

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114866.D
 Acq On : 6 Jun 2019 16:55
 Operator : HP/JU
 Sample : PB120321BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB120321BS

Manual Integrations
 APPROVED

mohammad
 6/7/2019 2:11:33 PM

Quant Time: Jun 07 02:12:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	385934	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1513548	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	751068	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1390575	20.00	ng	0.00
76) Chrysene-d12	13.80	240	738670	20.00	ng	0.00
87) Perylene-d12	15.17	264	816519	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	2473153	111.97	ng	0.02
7) Phenol-d6	6.32	99	3015559	112.21	ng	0.01
23) Nitrobenzene-d5	7.23	82	1954409	79.49	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	891636	110.16	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	3582899	89.36	ng	0.00
79) Terphenyl-d14	12.76	244	3439776	90.56	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.40	88	420131	39.841	ng	99
3) Pyridine	3.07	79	1172994	40.475	ng	99
4) n-Nitrosodimethylamine	3.02	42	456132	43.004	ng	100
6) Aniline	6.33	93	1106713	29.021	ng	# 64
8) 2-Chlorophenol	6.46	128	1153498	45.201	ng	98
9) Benzaldehyde	6.21	77	320215	17.177	ng	100
10) Phenol	6.33	94	1270271	41.332	ng	97
11) bis(2-Chloroethyl)ether	6.41	93	1050195	43.784	ng	97
12) 1,3-Dichlorobenzene	6.61	146	1227646	41.284	ng	99
13) 1,4-Dichlorobenzene	6.69	146	1244509	41.593	ng	99
14) 1,2-Dichlorobenzene	6.84	146	1171688	43.359	ng	99
15) Benzyl Alcohol	6.82	79	912038	44.876	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.95	45	1493850	43.547	ng	100
17) 2-Methylphenol	6.93	107	970308	44.483	ng	98
18) Hexachloroethane	7.18	117	461923	41.016	ng	98
19) n-Nitroso-di-n-propylamine	7.10	70	762675	42.870	ng	98
20) 3+4-Methylphenols	7.09	107	1089885	45.300	ng	95
22) Acetophenone	7.08	105	1526536	45.810	ng	# 97
24) Nitrobenzene	7.25	77	1165900	45.773	ng	100
25) Isophorone	7.50	82	2223688	45.748	ng	99
26) 2-Nitrophenol	7.57	139	670334	48.590	ng	96
27) 2,4-Dimethylphenol	7.62	122	1074896	51.263	ng	98
28) bis(2-Chloroethoxy)methane	7.71	93	1409032	45.348	ng	99
29) 2,4-Dichlorophenol	7.82	162	1039933	47.140	ng	99
30) 1,2,4-Trichlorobenzene	7.90	180	1122065	44.329	ng	99
31) Naphthalene	7.97	128	3207027	47.065	ng	100
32) Benzoic acid	7.76	122	828798	54.270	ng	97
33) 4-Chloroaniline	8.02	127	771471	23.733	ng	98
34) Hexachlorobutadiene	8.10	225	608977	42.317	ng	99
35) Caprolactam	8.40	113	314609m	43.657	ng	
36) 4-Chloro-3-methylphenol	8.51	107	1043351	47.530	ng	98
37) 2-Methylnaphthalene	8.66	142	2238275	47.358	ng	100
38) 1-Methylnaphthalene	8.76	142	2117638	47.246	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.83	216	924807	42.727	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.83	237	1148073	87.457	nq	100
43) 2,4,6-Trichlorophenol	8.95	196	764712	45.436	nq	99
44) 2,4,5-Trichlorophenol	8.99	196	765582	45.167	nq	99
46) 1,1'-Biphenyl	9.13	154	2570884	46.185	nq	98
47) 2-Chloronaphthalene	9.15	162	2056991	43.488	nq	99
48) 2-Nitroaniline	9.25	65	608272	43.093	nq	97
49) Acenaphthylene	9.56	152	3113796	45.395	nq	100
50) Dimethylphthalate	9.43	163	2437222	44.430	nq	99
51) 2,6-Dinitrotoluene	9.49	165	585614	45.394	nq	94
52) Acenaphthene	9.73	154	1907453	42.451	nq	99
53) 3-Nitroaniline	9.65	138	453255	30.076	nq	96
54) 2,4-Dinitrophenol	9.76	184	574130	98.349	nq	99
55) Dibenzofuran	9.91	168	2721073	43.550	nq	98
56) 4-Nitrophenol	9.83	139	985362	89.229	nq	94
57) 2,4-Dinitrotoluene	9.89	165	743315	45.834	nq	91
58) Fluorene	10.25	166	1895323	47.929	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.03	232	635066	45.731	nq	99
60) Diethylphthalate	10.13	149	2398119	43.567	nq	100
61) 4-Chlorophenyl-phenylether	10.24	204	969411	40.509	nq	100
62) 4-Nitroaniline	10.27	138	625594	42.798	nq	98
63) Azobenzene	10.40	77	2133817	45.541	nq	98
65) 4,6-Dinitro-2-methylphenol	10.30	198	341222	47.238	nq	93
66) n-Nitrosodiphenylamine	10.36	169	1933316	45.979	nq	100
67) 4-Bromophenyl-phenylether	10.73	248	680965	43.117	nq	98
68) Hexachlorobenzene	10.80	284	727348	42.080	nq	99
69) Atrazine	10.89	200	641947	43.897	nq	99
70) Pentachlorophenol	10.99	266	829264	82.991	nq	99
71) Phenanthrene	11.20	178	2924505	44.054	nq	99
72) Anthracene	11.25	178	3030048	43.371	nq	100
73) Carbazole	11.40	167	2701830	45.113	nq	100
74) Di-n-butylphthalate	11.74	149	3386830	42.996	nq	100
75) Fluoranthene	12.38	202	2882970	41.726	nq	98
77) Benzidine	12.50	184	1461272	39.960	nq	96
78) Pyrene	12.60	202	2924558	45.639	nq	100
80) Butylbenzylphthalate	13.23	149	1529101	47.254	nq	98
81) Benzo(a)anthracene	13.79	228	2447600	42.999	nq	100
82) 3,3'-Dichlorobenzidine	13.75	252	771778	33.437	nq	99
83) Chrysene	13.83	228	2425481	43.802	nq	99
84) Bis(2-ethylhexyl)phthalate	13.80	149	1851118	45.240	nq	100
85) Di-n-octyl phthalate	14.40	149	3187269	45.842	nq	99
86) Indeno(1,2,3-cd)pyrene	16.49	276	2426426	38.404	nq	99
88) Benzo(b)fluoranthene	14.79	252	2505509	48.201	nq	99
89) Benzo(k)fluoranthene	14.82	252	2006761	45.460	nq	98
90) Benzo(a)pyrene	15.13	252	2140304	47.571	nq	100
91) Dibenzo(a,h)anthracene	16.51	278	2008537	47.140	nq	99
92) Benzo(g,h,i)perylene	16.89	276	2069260	48.294	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

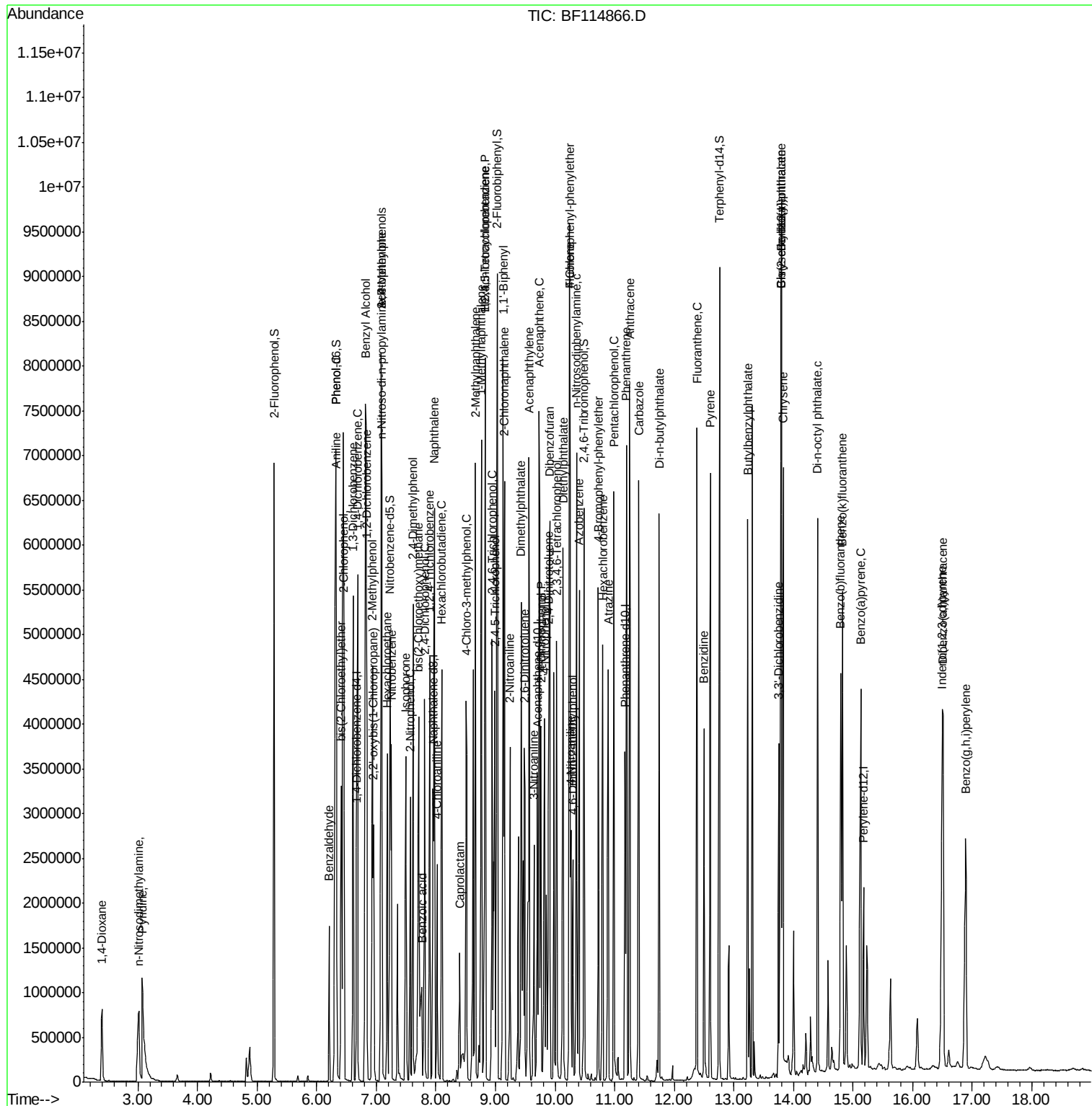
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
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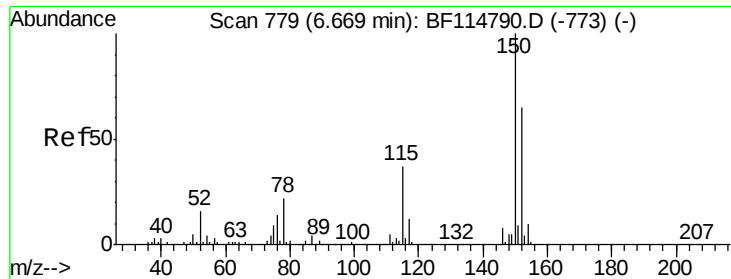
Instrument :
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ClientSampleId :
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#1

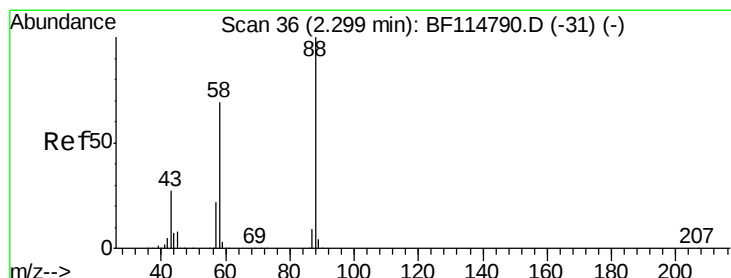
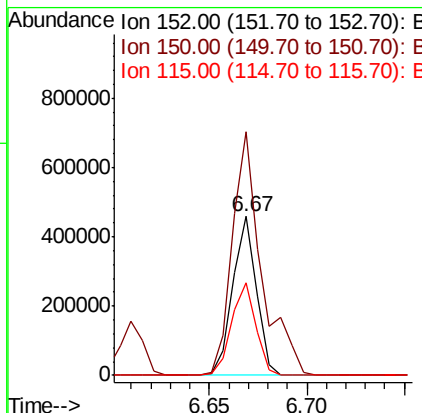
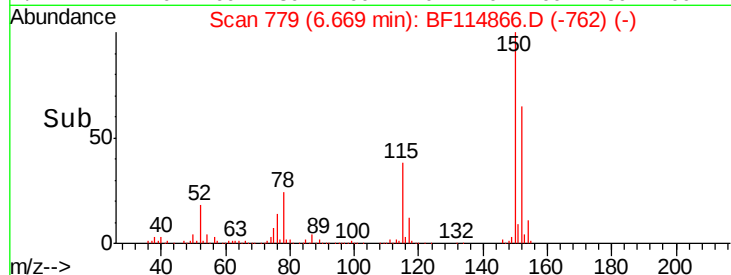
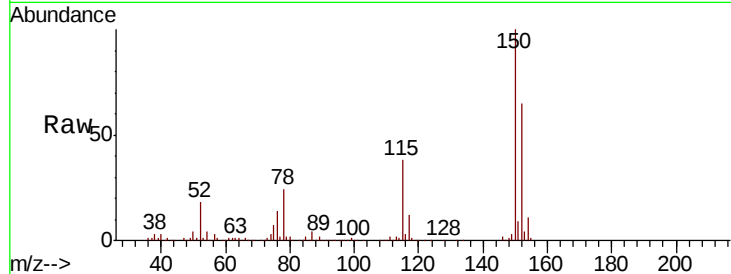
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.0	186.0
115	58.2	46.3	69.5

Manual Integrations
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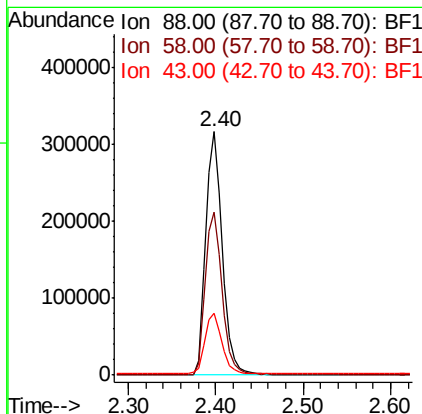
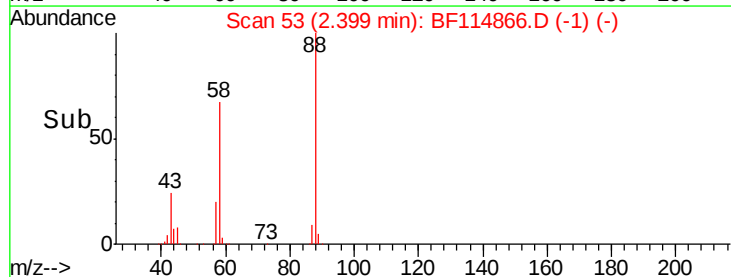
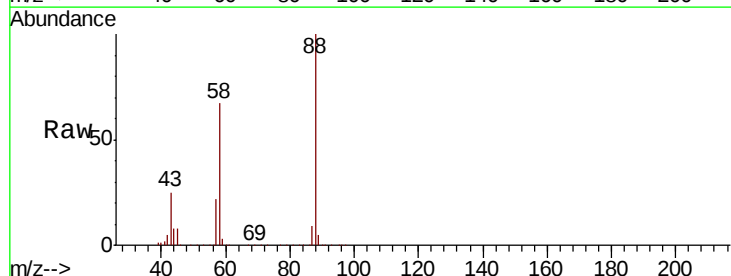
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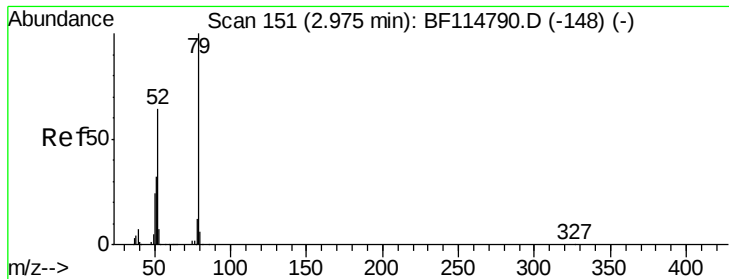


#2

1,4-Dioxane
Concen: 39.841 ng
RT: 2.40 min Scan# 53
Delta R.T. 0.10 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.9	53.8	80.8
43	25.8	20.7	31.1





#3

Pvridine

Concen: 40.475 ng

RT: 3.07 min Scan# 168

Delta R.T. 0.10 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

ClientSampleId :

PB120321BS

Tot Ion: 79 Resp: 1172994

Ion Ratio Lower Upper

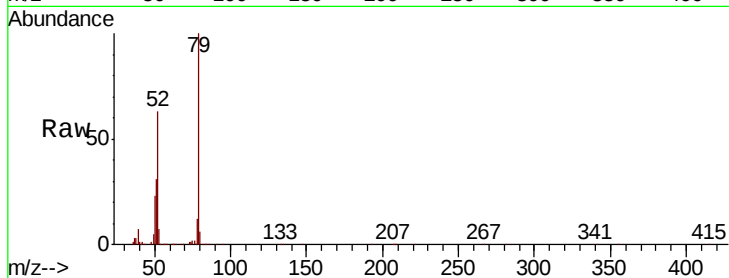
79 100

52 63.3 51.0 76.4

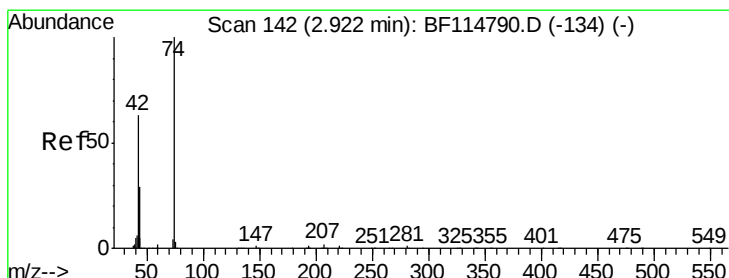
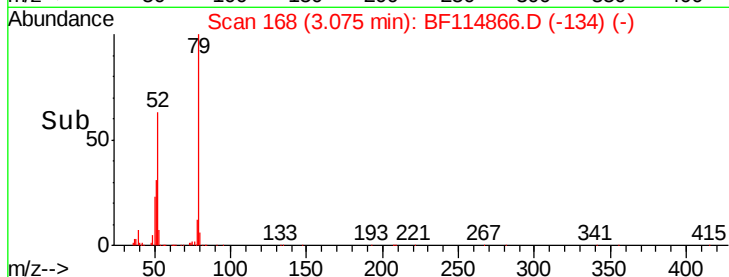
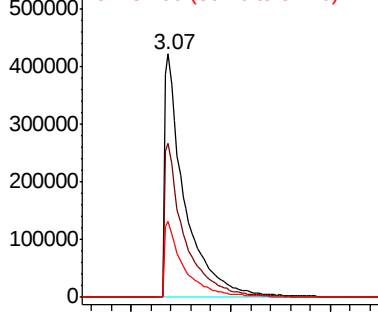
51 31.0 25.7 38.5

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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 43.004 ng

RT: 3.02 min Scan# 158

Delta R.T. 0.09 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

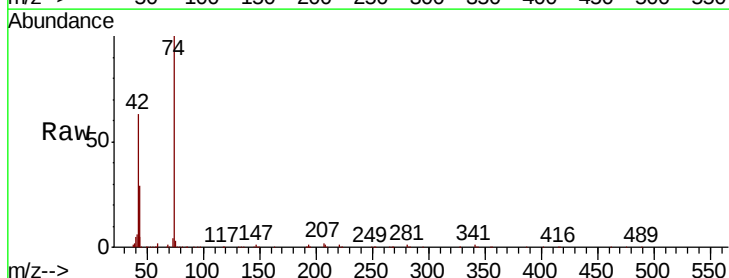
Tgt Ion: 42 Resp: 456132

Ion Ratio Lower Upper

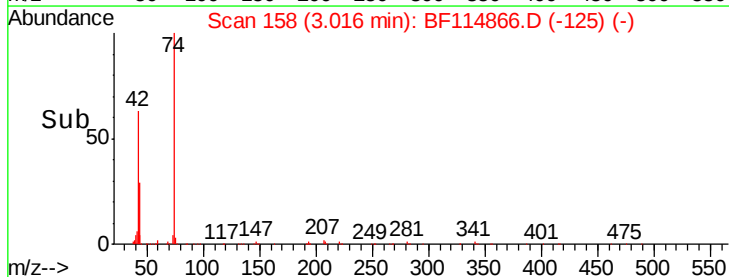
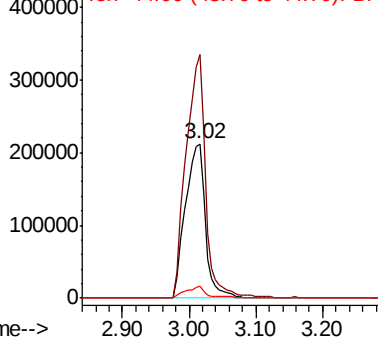
42 100

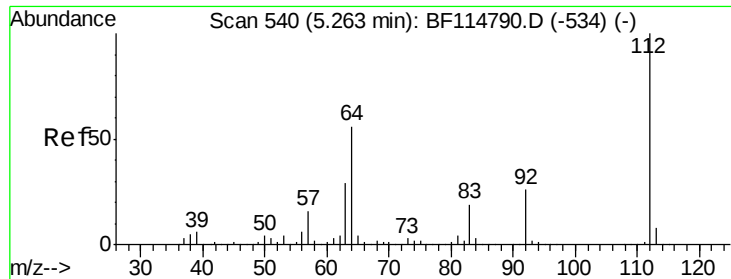
74 157.7 126.2 189.2

44 7.5 5.9 8.9



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 111.974 ng

RT: 5.29 min Scan# 544

Delta R.T. 0.02 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

ClientSampled :

PB120321BS

Tot Ion:112 Resp: 2473153

Ion Ratio Lower Upper

112 100

64 56.2 44.6 66.8

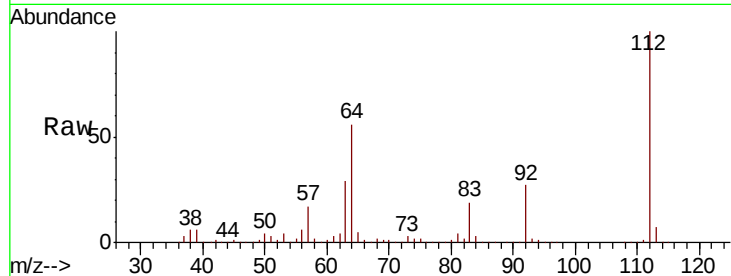
63 28.9 23.0 34.4

Manual Integrations

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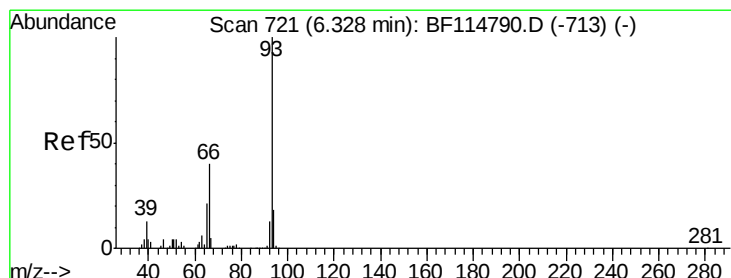
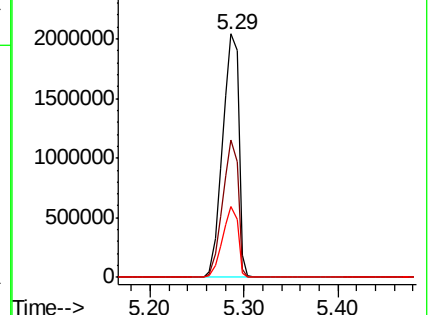
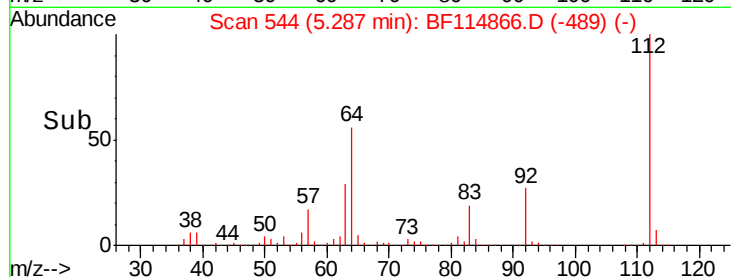
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 29.021 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

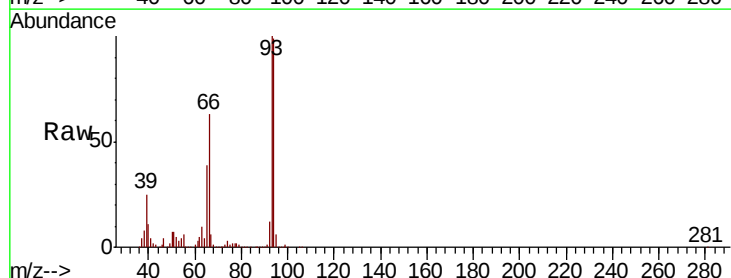
Tgt Ion: 93 Resp: 1106713

Ion Ratio Lower Upper

93 100

66 63.0 32.8 49.2#

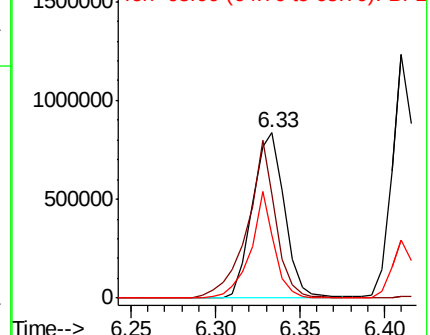
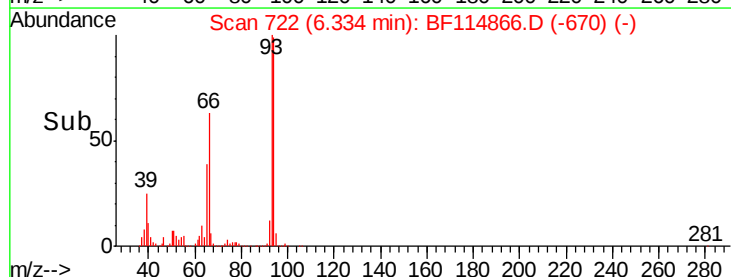
65 38.5 16.9 25.3#

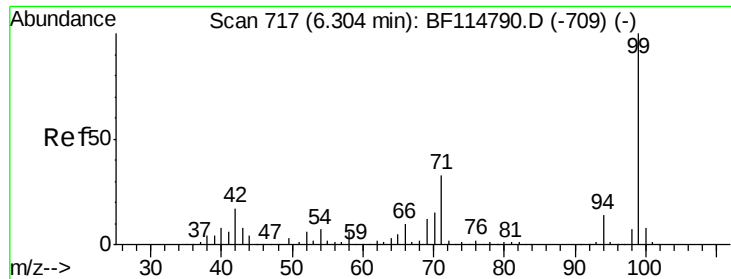


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 112.206 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

ClientSampled :

PB120321BS

Tot Ion: 99 Resp: 3015559

Ion Ratio Lower Upper

99 100

42 17.2 13.3 19.9

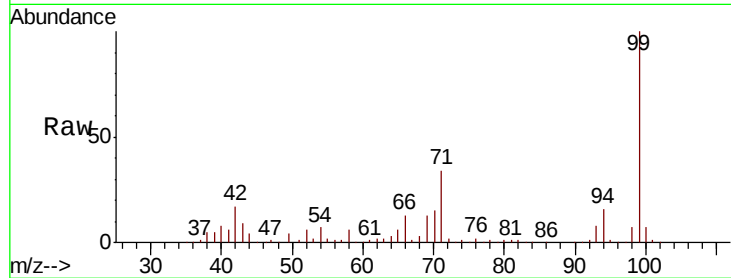
71 33.9 26.3 39.5

Manual Integrations

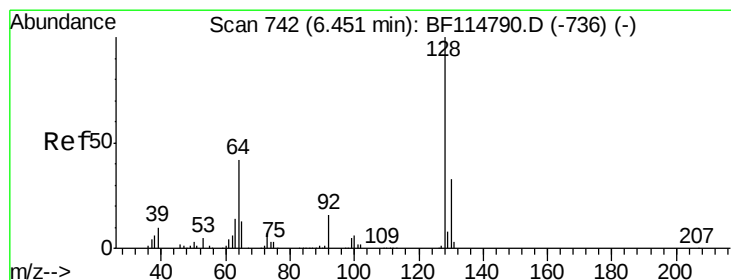
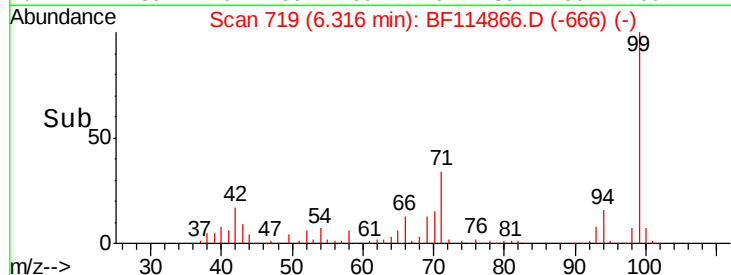
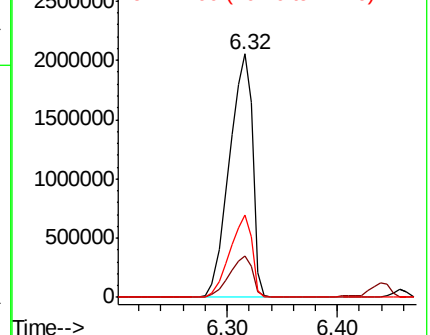
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 45.201 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

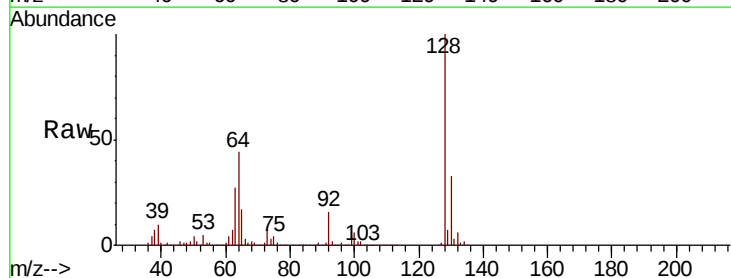
Tgt Ion:128 Resp: 1153498

Ion Ratio Lower Upper

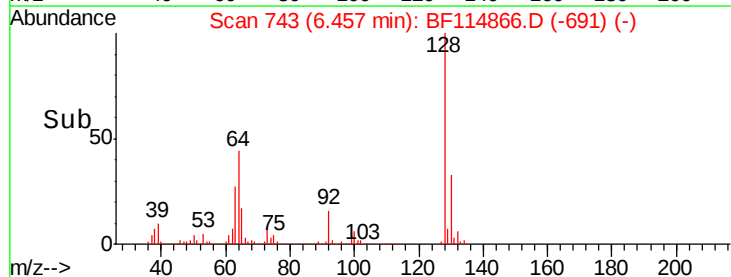
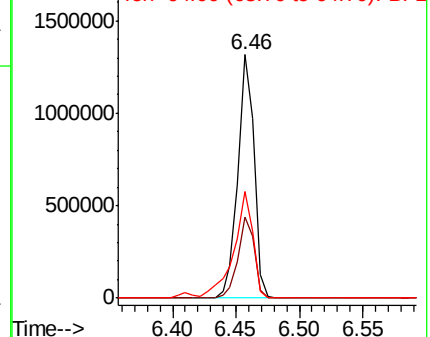
128 100

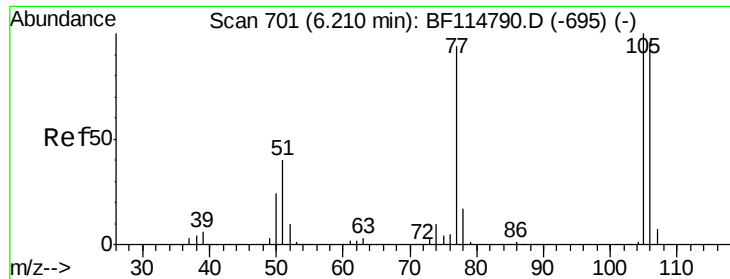
130 33.4 12.7 52.7

64 43.7 22.5 62.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 17.177 ng

RT: 6.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

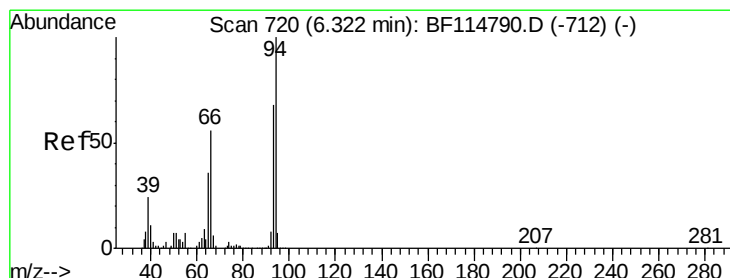
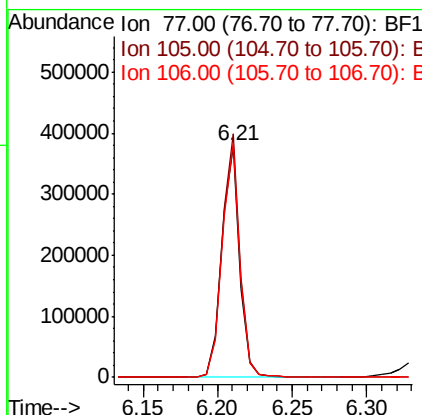
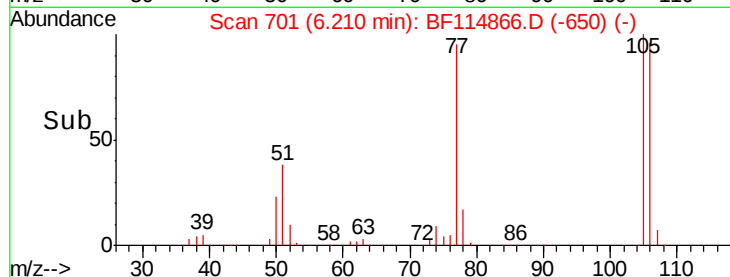
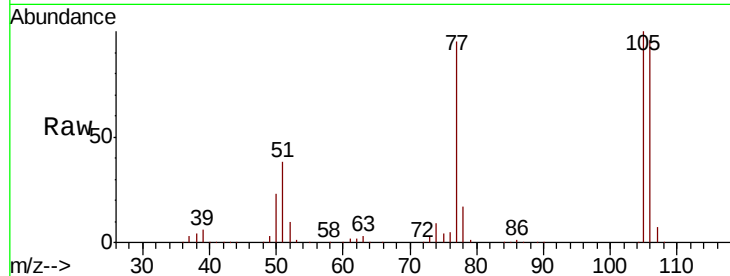
ClientSampleID :

PB120321BS

Tot Ion	77	Resp	320215
Ion	Ratio	Lower	Upper
77	100		
105	105.5	85.8	125.8
106	101.7	81.6	121.6

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#10

Phenol

Concen: 41.332 ng

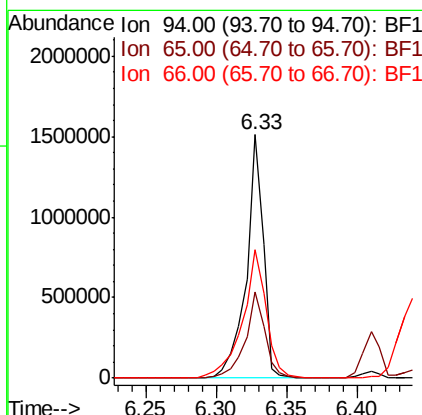
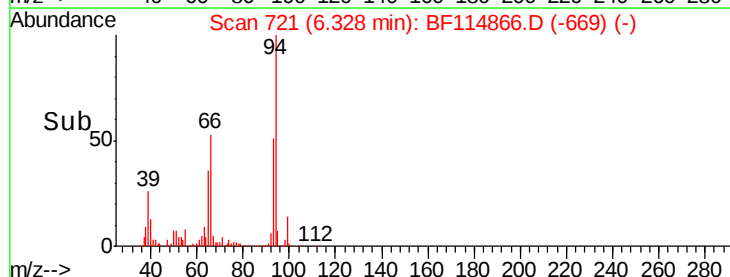
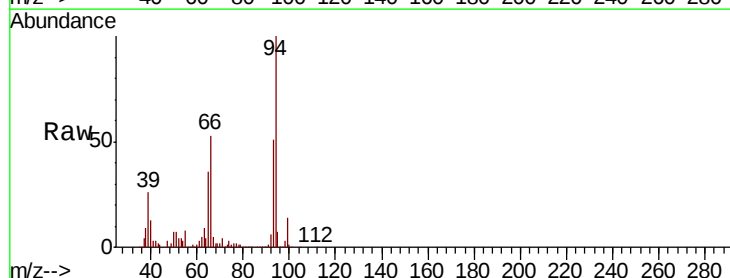
RT: 6.33 min Scan# 721

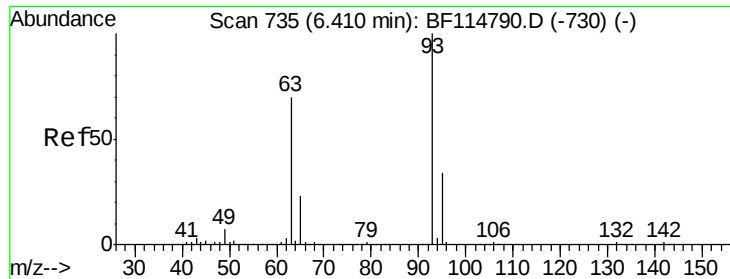
Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Tgt Ion	94	Resp	1270271
Ion	Ratio	Lower	Upper
94	100		
65	35.6	16.1	56.1
66	53.0	36.3	76.3





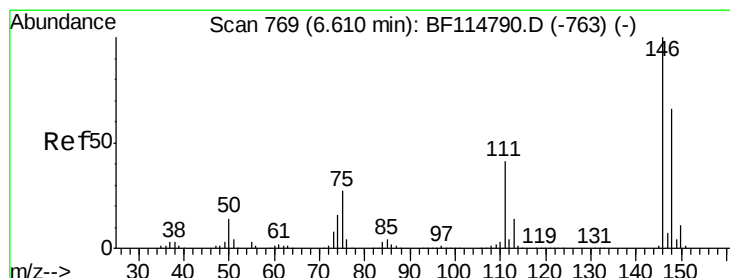
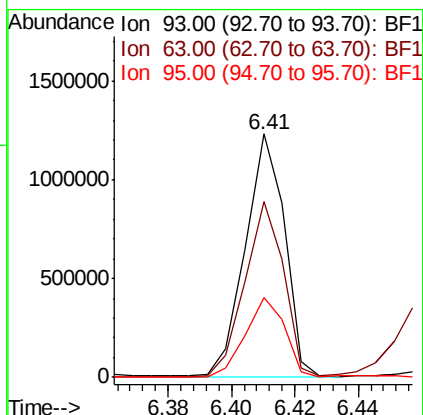
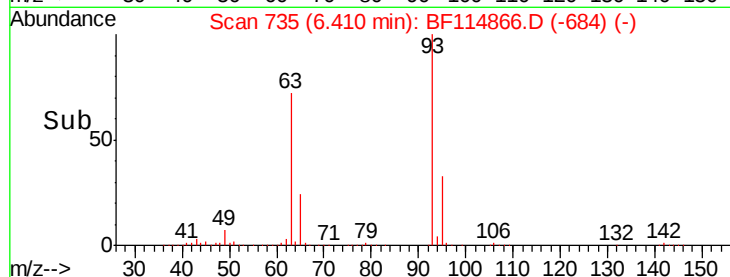
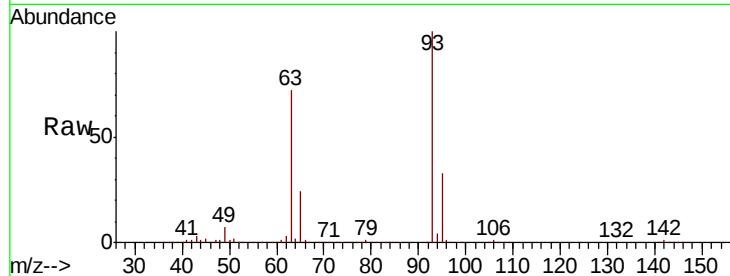
#11
bis(2-Chloroethyl)ether
Concen: 43.784 ng
RT: 6.41 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion: 93 Resp: 1050195
Ion Ratio Lower Upper
93 100
63 72.4 49.6 89.6
95 33.0 13.6 53.6

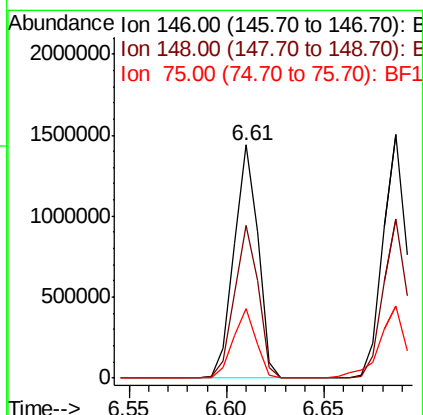
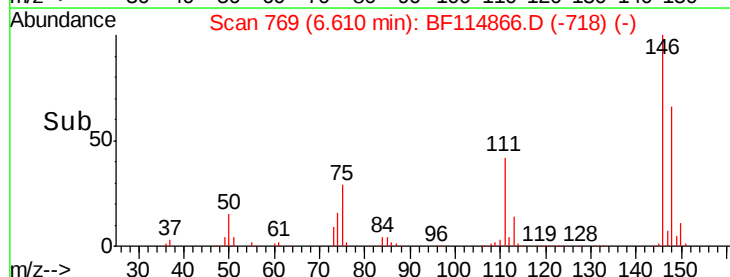
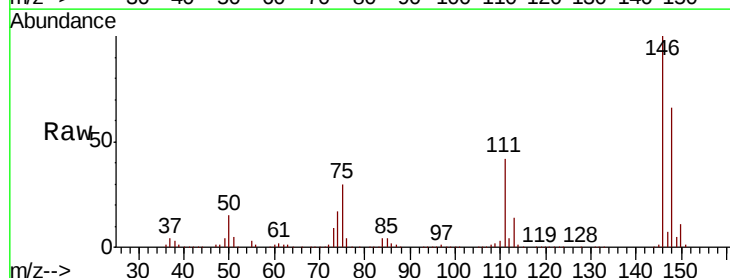
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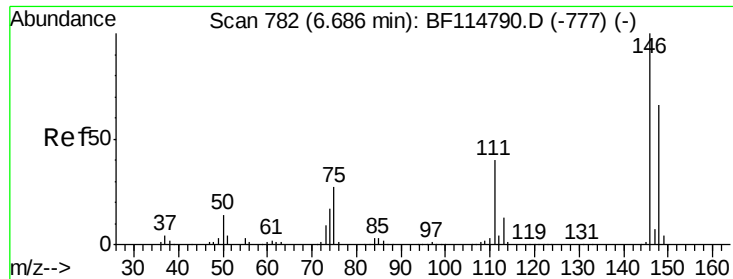
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#12
1,3-Dichlorobenzene
Concen: 41.284 ng
RT: 6.61 min Scan# 769
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion: 146 Resp: 1227646
Ion Ratio Lower Upper
146 100
148 65.7 52.7 79.1
75 29.6 22.0 33.0





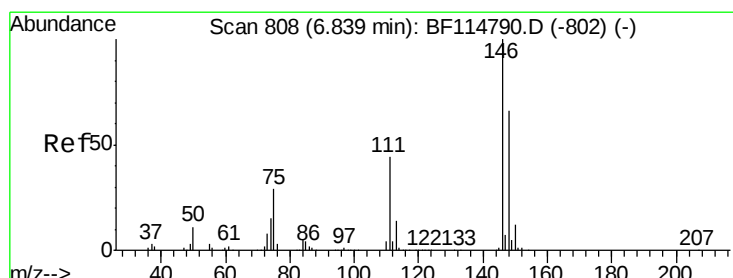
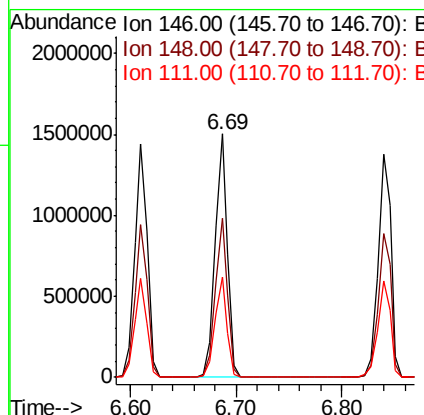
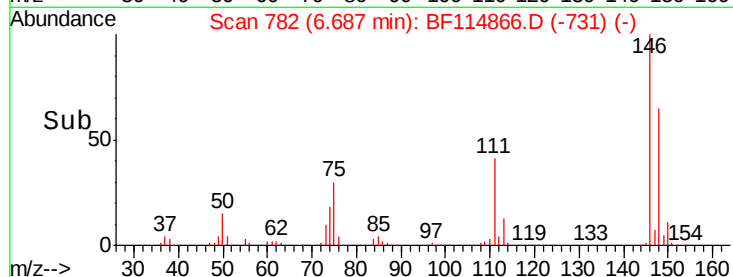
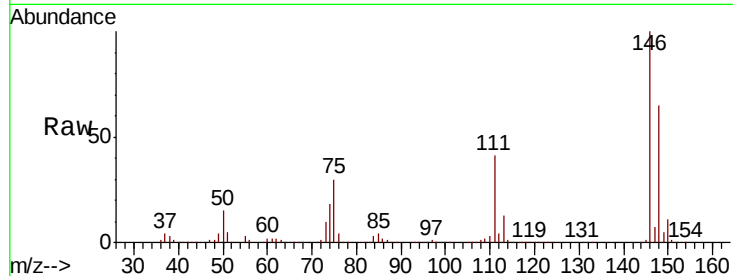
#13
1,4-Dichlorobenzene
Concen: 41.593 ng
RT: 6.69 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion:146 Resp: 1244509
Ion Ratio Lower Upper
146 100
148 65.1 53.0 79.4
111 41.2 32.2 48.4

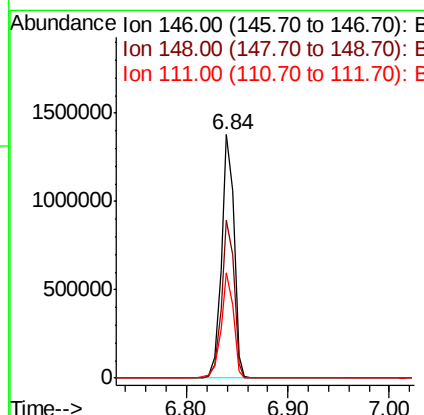
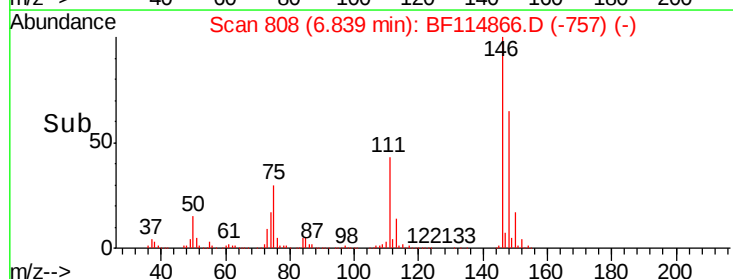
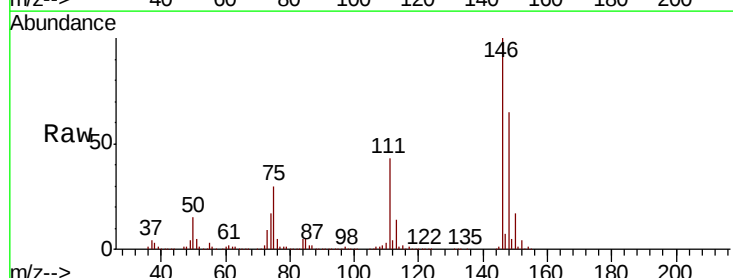
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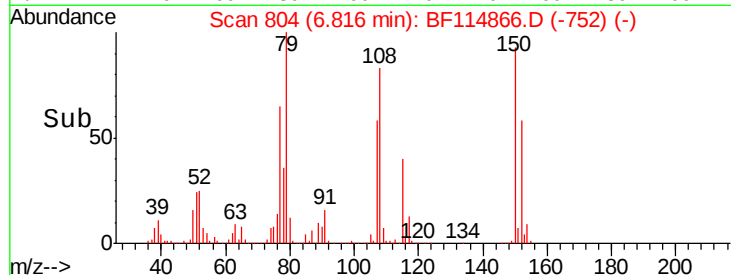
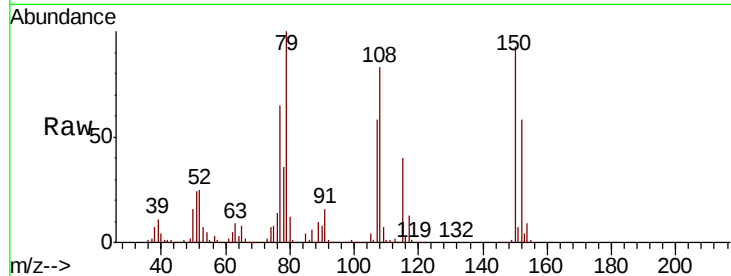
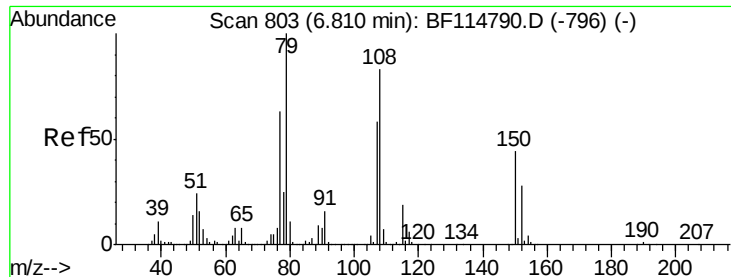
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#14
1,2-Dichlorobenzene
Concen: 43.359 ng
RT: 6.84 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion:146 Resp: 1171688
Ion Ratio Lower Upper
146 100
148 64.6 52.5 78.7
111 43.4 34.8 52.2





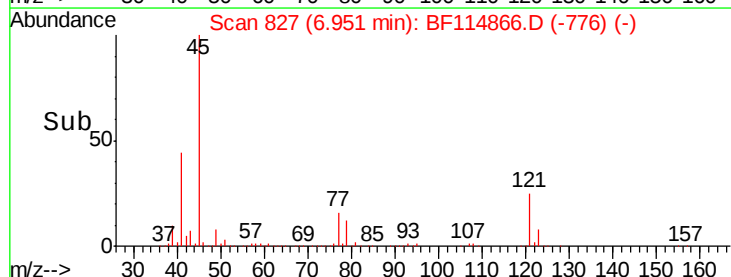
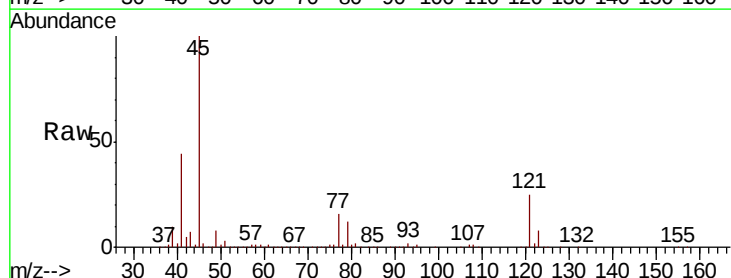
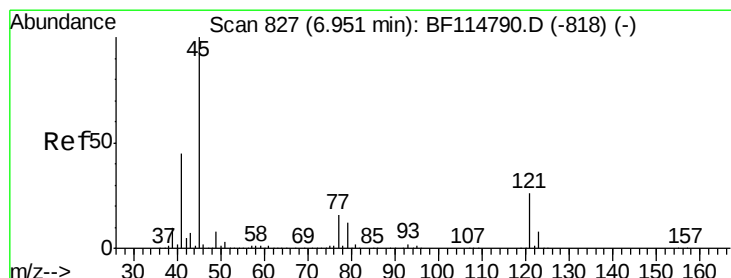
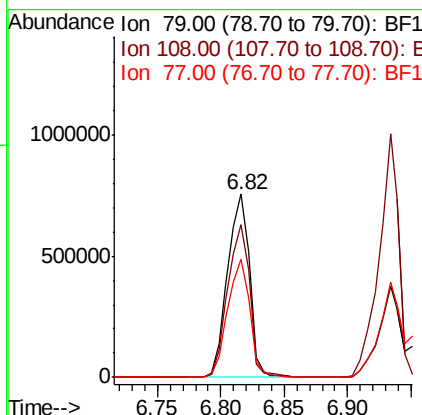
#15
Benzyl Alcohol
Concen: 44.876 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	83.1	66.8	100.2	
77	64.8	50.6	76.0	

Instrument :
BNA_F
ClientSampled :
PB120321BS

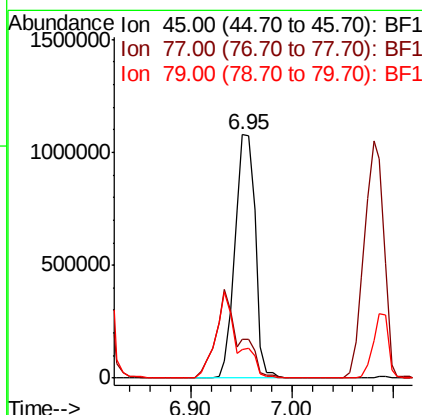
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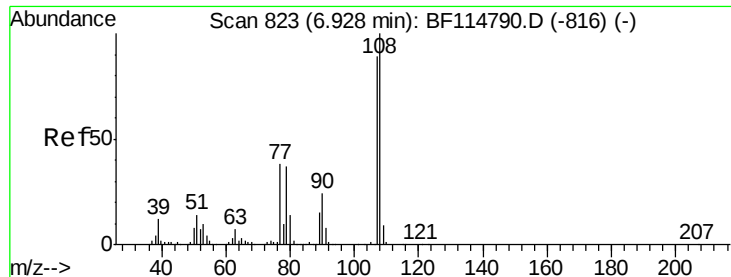
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.547 ng
RT: 6.95 min Scan# 827
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	15.7	0.0	35.8	
79	11.9	0.0	32.0	





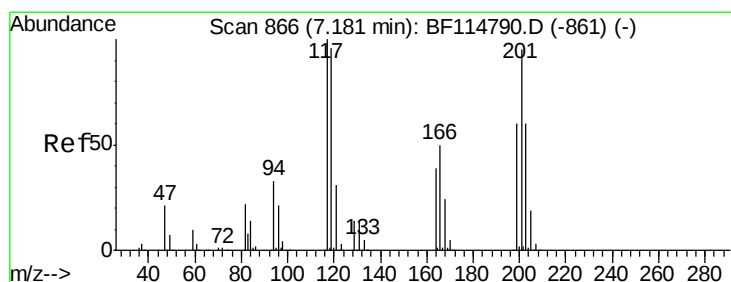
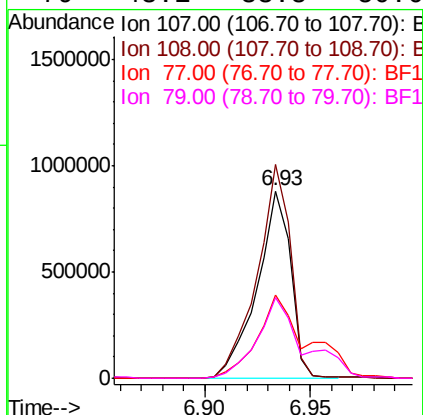
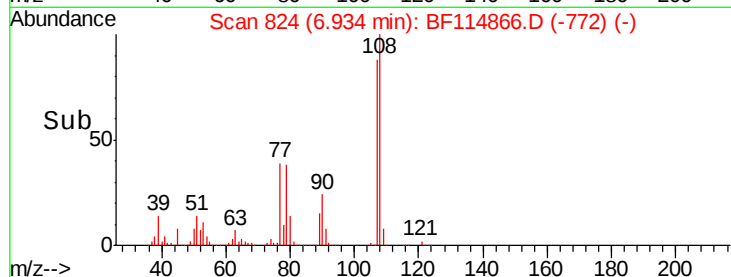
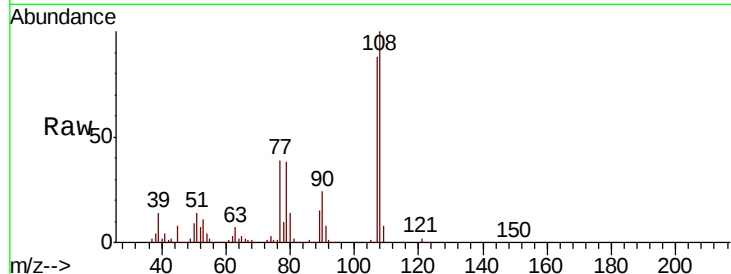
#17
2-Methylphenol
Concen: 44.483 ng
RT: 6.93 min Scan# 824
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.2	90.2	135.2	
77	44.6	34.5	51.7	
79	43.1	33.8	50.6	

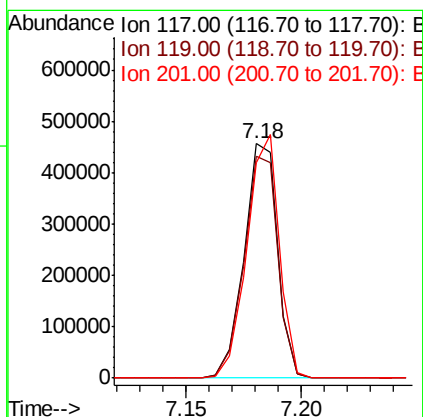
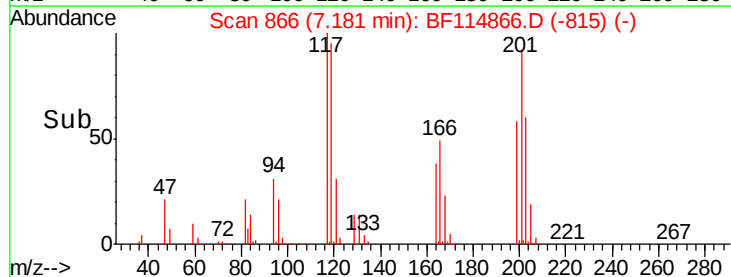
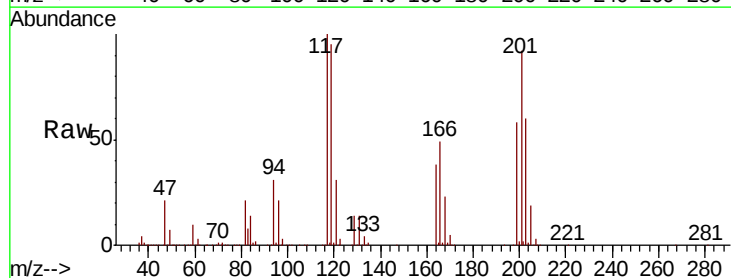
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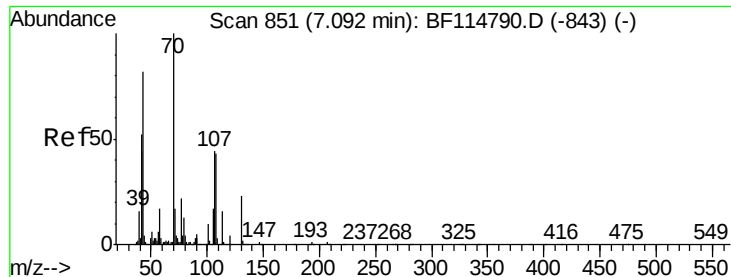
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#18
Hexachloroethane
Concen: 41.016 ng
RT: 7.18 min Scan# 866
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.9	77.0	115.4	
201	92.2	76.0	114.0	





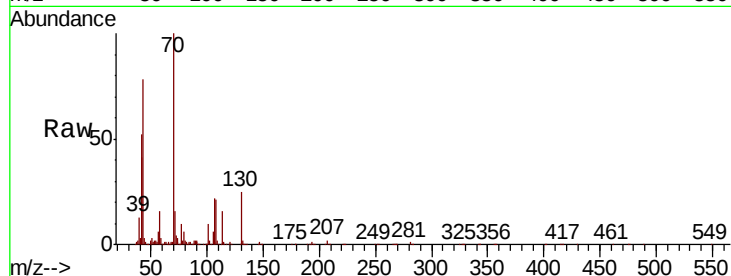
#19
n-Nitroso-di-n-propylamine
Concen: 42.870 ng
RT: 7.10 min Scan# 852
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	51.8	41.8	62.8	
101	10.3	8.2	12.4	
130	25.1	18.5	27.7	

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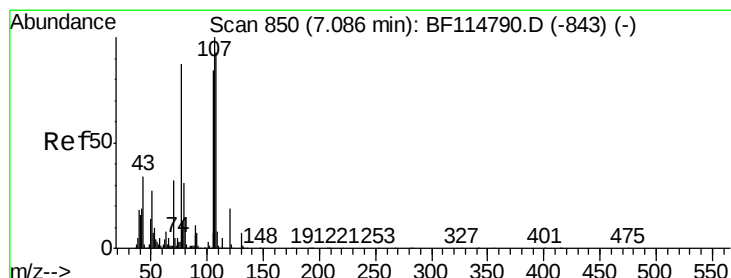
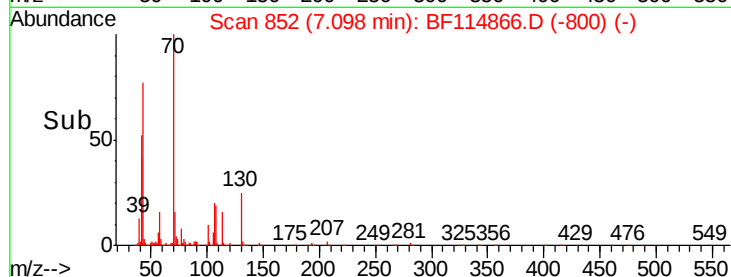
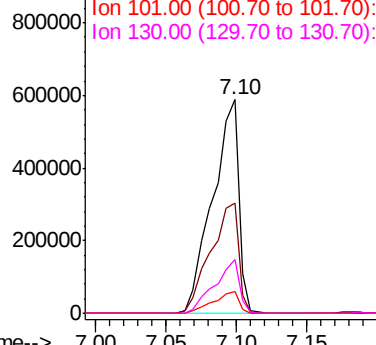
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20
3+4-Methylphenols
Concen: 45.300 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.9	73.5	113.5	
77	92.3	67.2	107.2	
79	27.3	10.6	50.6	

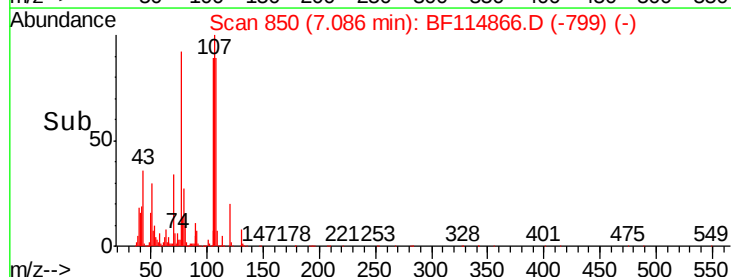
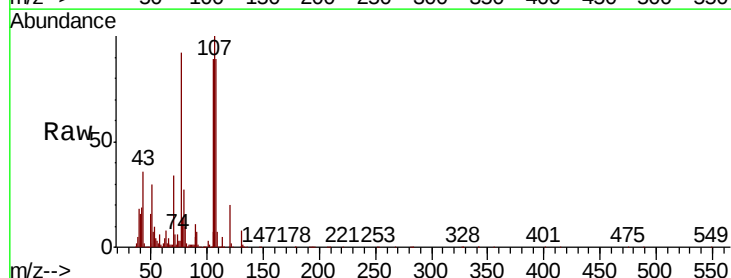
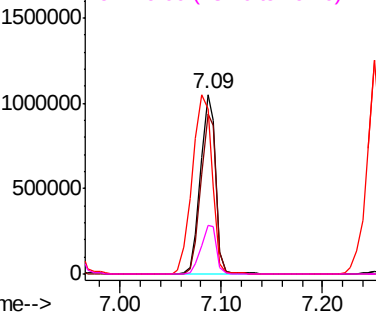
Abundance

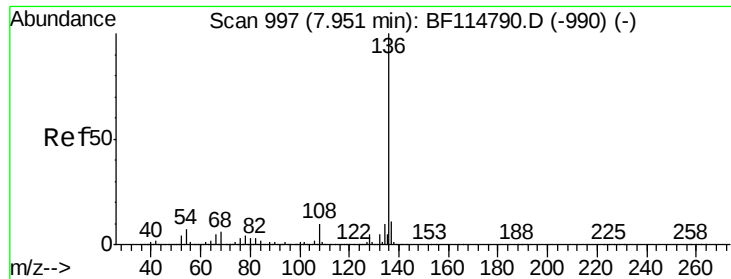
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





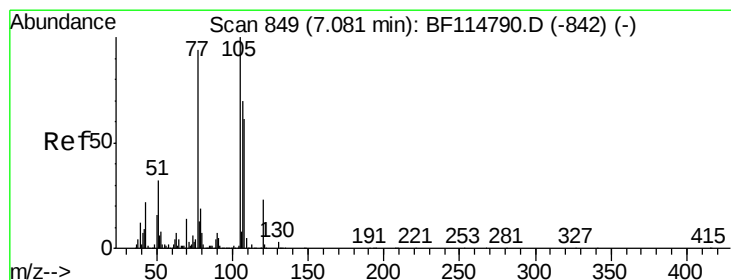
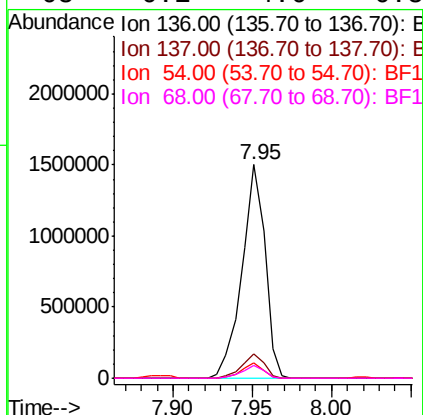
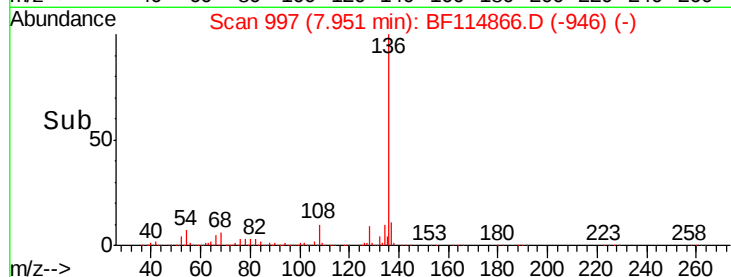
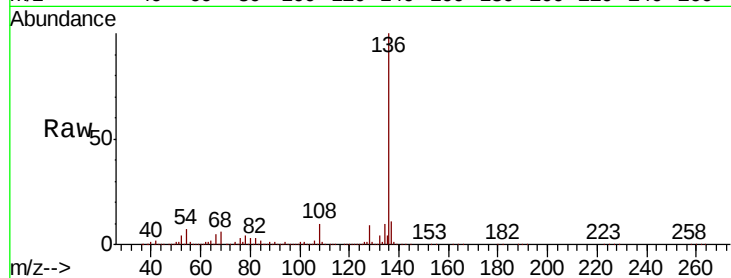
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1513548		
137	11.4		9.1	13.7	
54	7.0		5.4	8.0	
68	6.1		4.6	6.8	

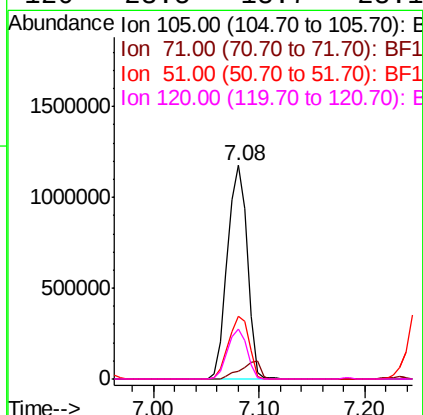
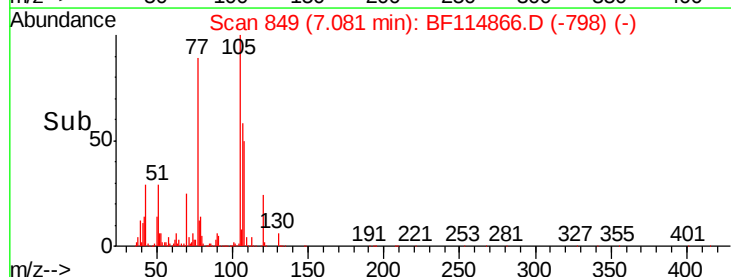
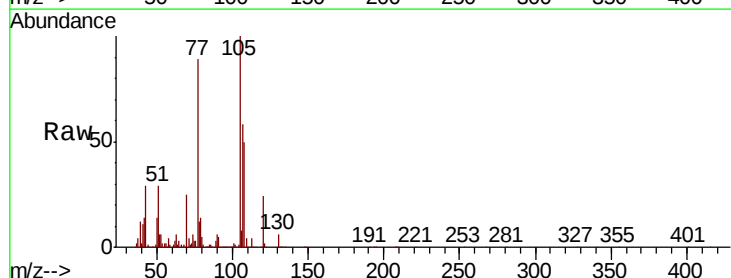
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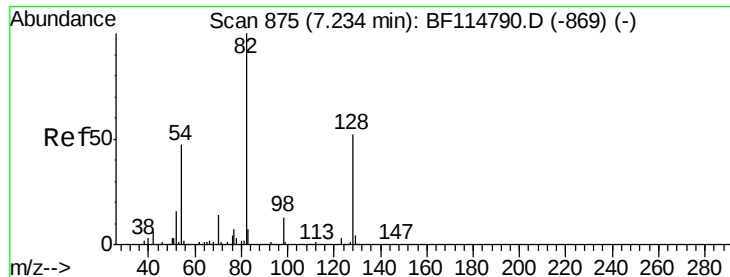
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#22
Acetophenone
Concen: 45.810 ng
RT: 7.08 min Scan# 849
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		1526536		
71	3.9		2.0	3.0#	
51	29.3		25.4	38.0	
120	23.5		18.7	28.1	





#23

Nitrobenzene-d5

Concen: 79.489 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.00 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

ClientSampleId :

PB120321BS

Tot Ion: 82 Resp: 1954409

Ion Ratio Lower Upper

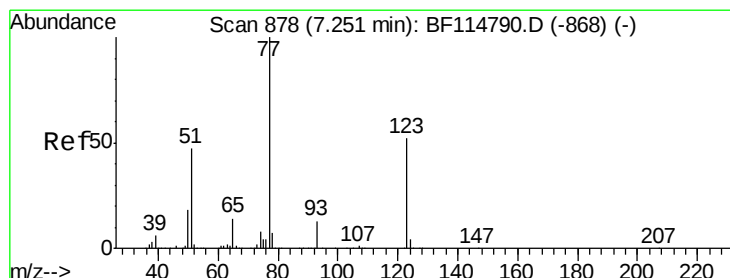
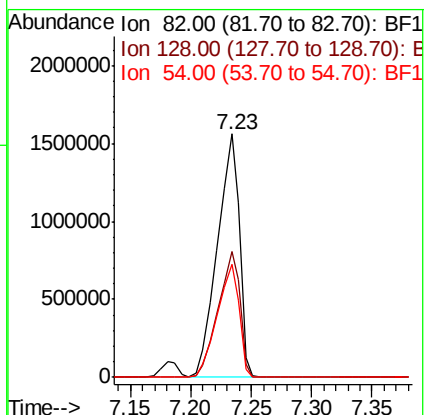
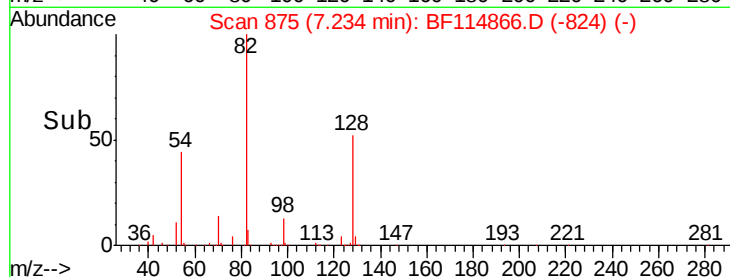
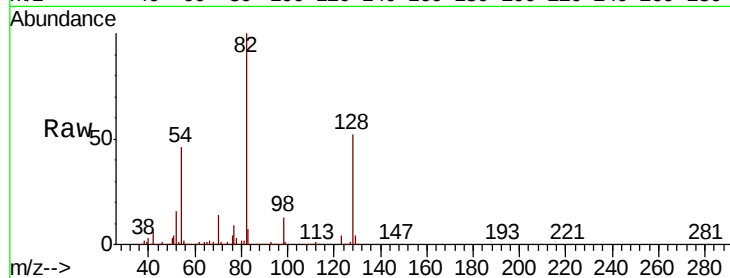
82 100

128 51.6 41.8 62.6

54 46.2 37.9 56.9

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#24

Nitrobenzene

Concen: 45.773 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

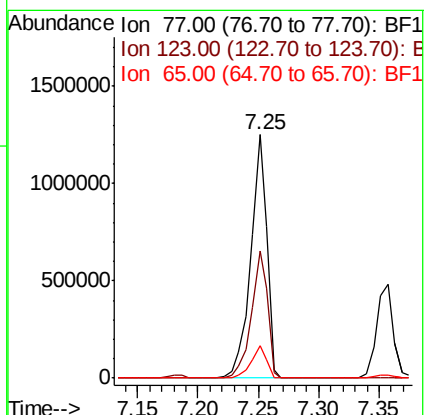
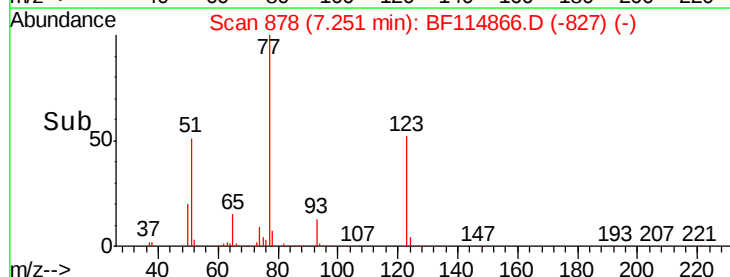
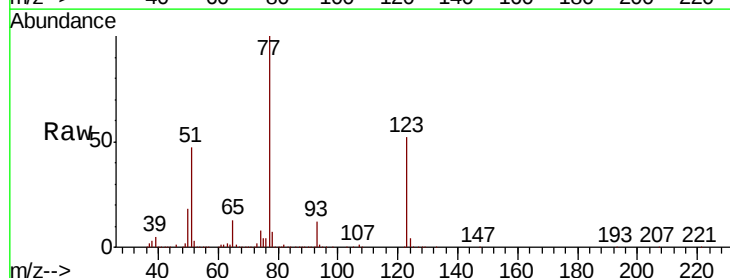
Tgt Ion: 77 Resp: 1165900

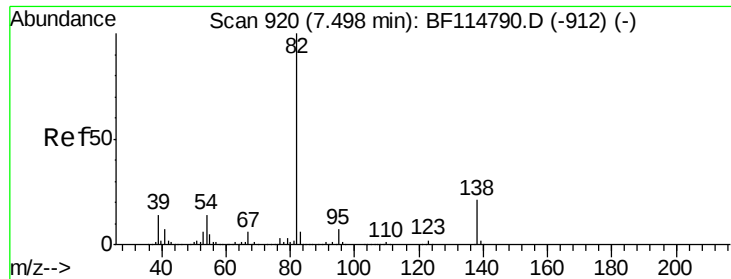
Ion Ratio Lower Upper

77 100

123 52.3 41.5 62.3

65 13.5 10.8 16.2





#25

Isophorone

Concen: 45.748 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.00 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

ClientSampleId :

PB120321BS

Tot Ion: 82 Resp: 2223688

Ion Ratio Lower Upper

82 100

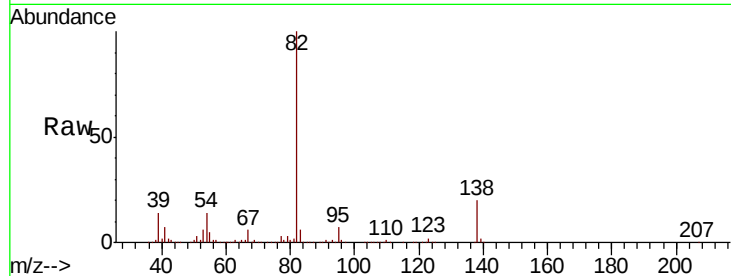
95 6.9 5.8 8.8

138 20.4 16.9 25.3

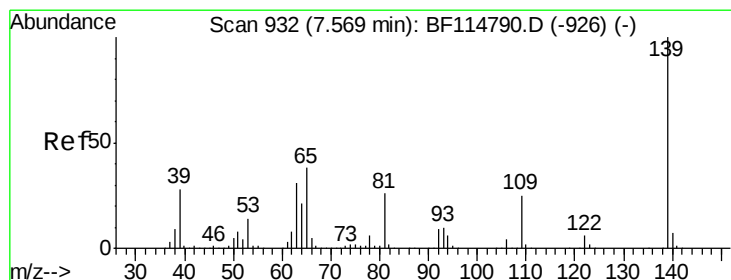
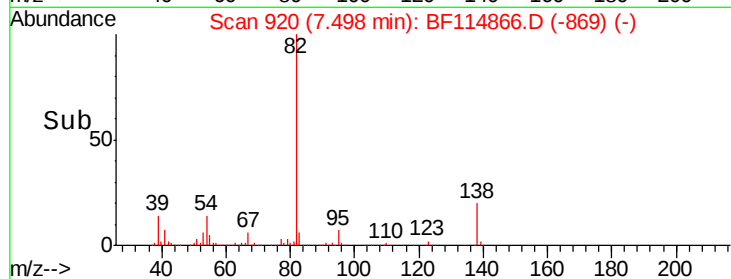
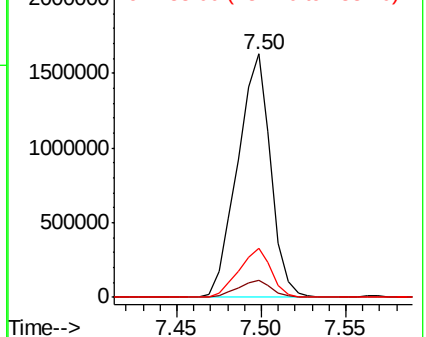
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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 48.590 ng

RT: 7.57 min Scan# 932

Delta R.T. 0.00 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

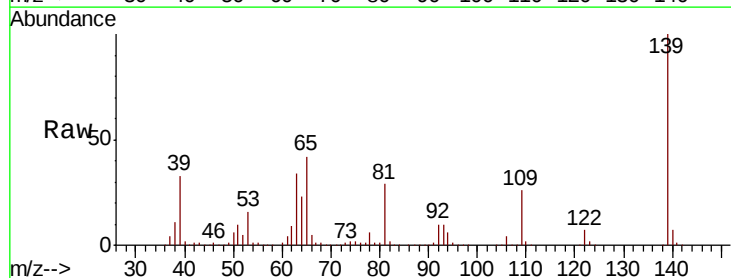
Tgt Ion: 139 Resp: 670334

Ion Ratio Lower Upper

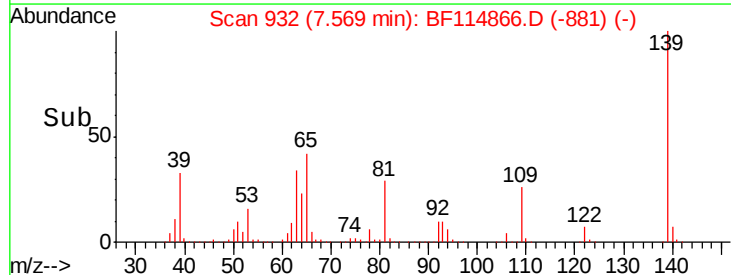
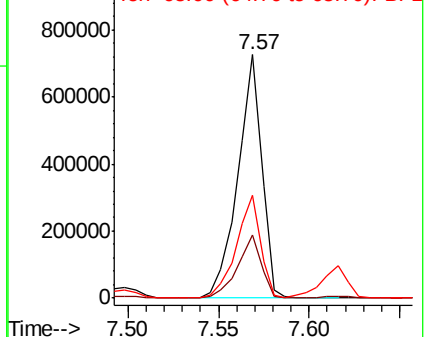
139 100

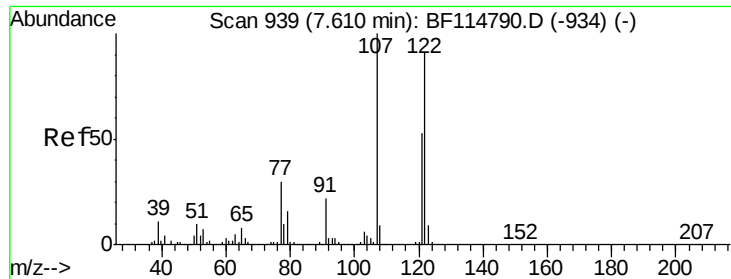
109 25.9 20.4 30.6

65 42.2 30.5 45.7



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





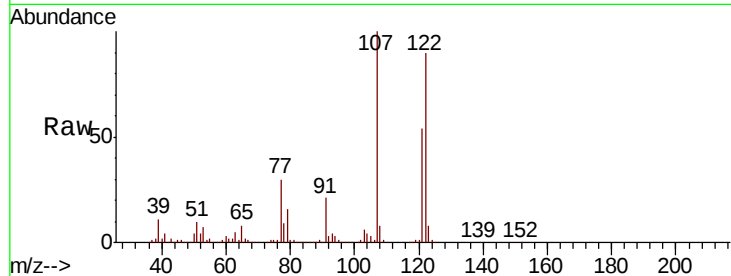
#27
2,4-Dimethylphenol
Concen: 51.263 ng
RT: 7.62 min Scan# 940
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

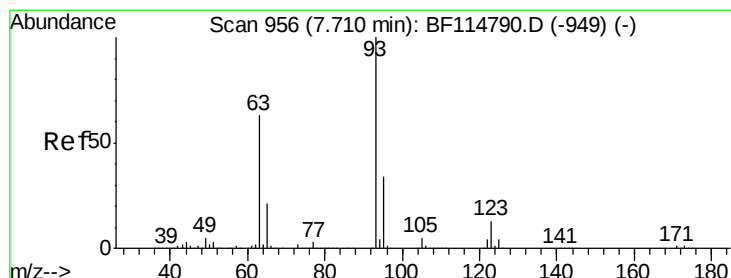
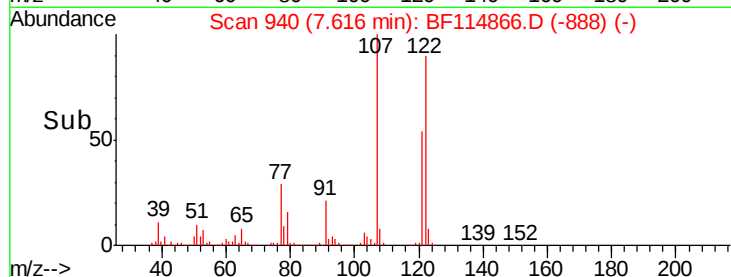
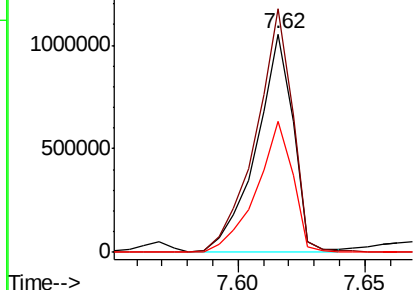
Tot Ion:122 Resp: 1074896
Ion Ratio Lower Upper
122 100
107 111.6 87.9 131.9
121 59.8 46.4 69.6

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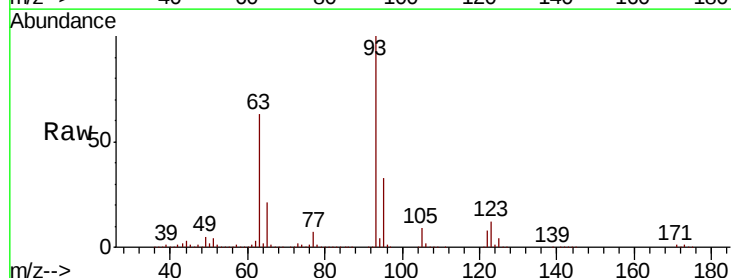


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

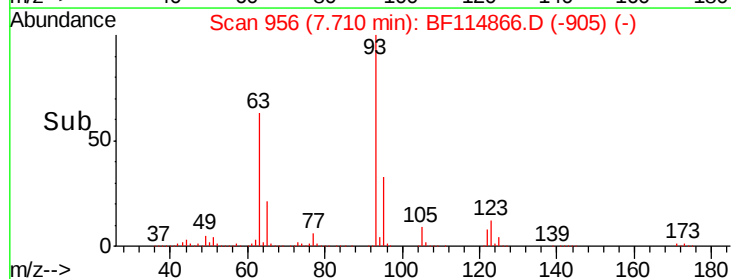
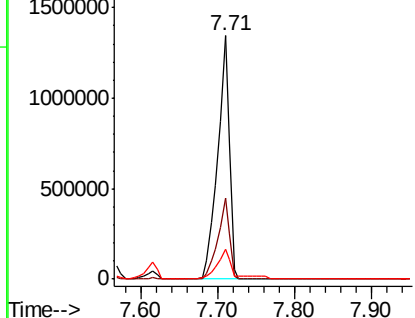


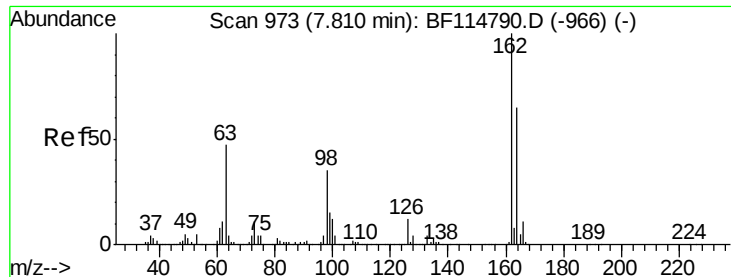
#28
bis(2-Chloroethoxy)methane
Concen: 45.348 ng
RT: 7.71 min Scan# 956
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion: 93 Resp: 1409032
Ion Ratio Lower Upper
93 100
95 33.3 26.9 40.3
123 12.5 10.4 15.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





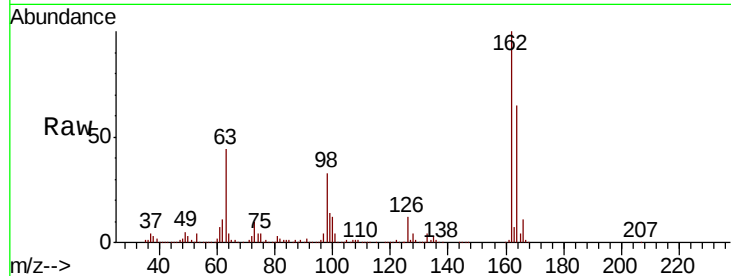
#29
2,4-Dichlorophenol
Concen: 47.140 ng
RT: 7.82 min Scan# 974
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.2	45.1	85.1
98	33.0	14.6	54.6

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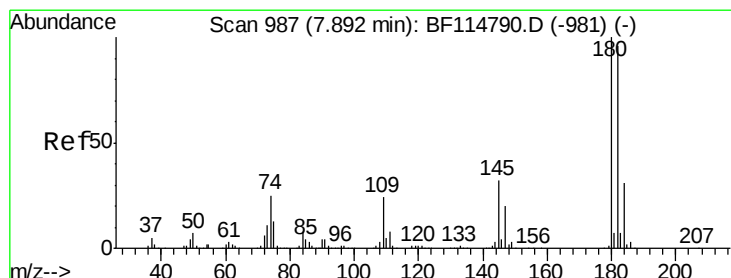
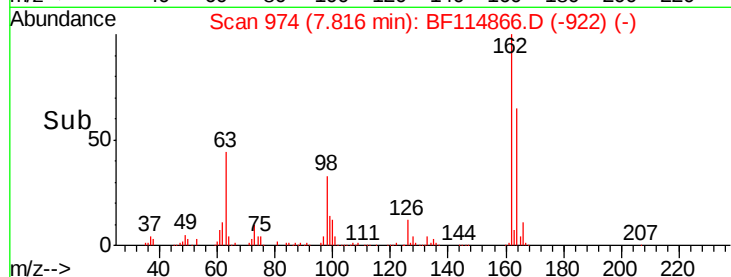
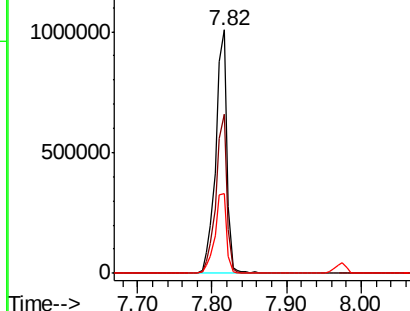


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 44.329 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

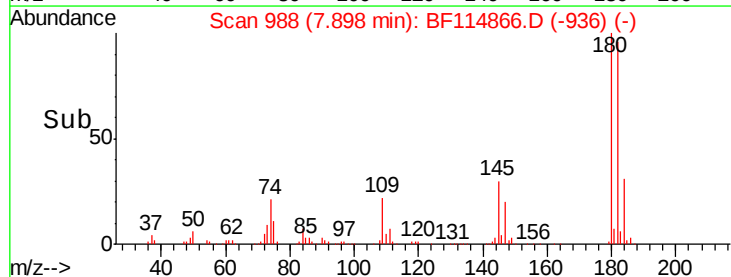
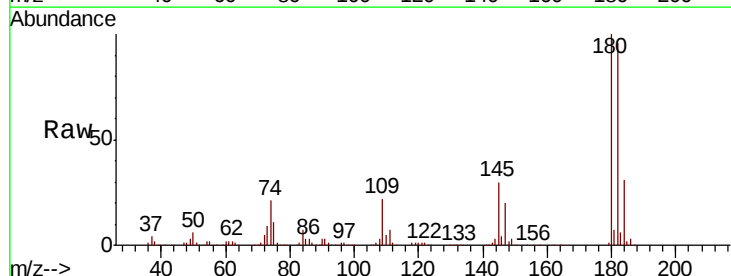
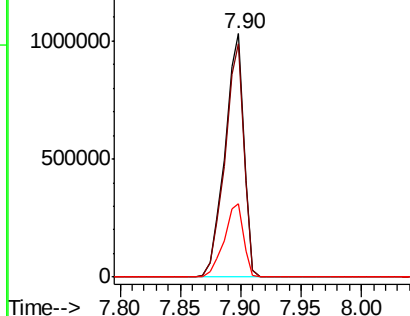
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
145	30.1	25.8	38.8

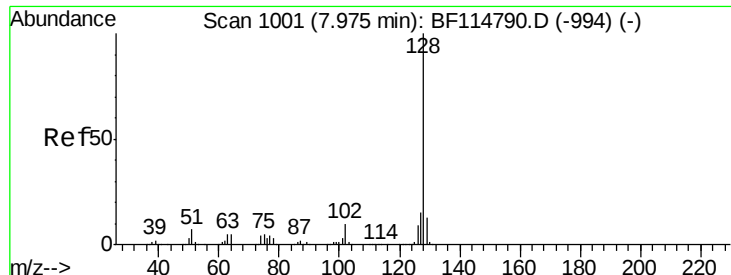
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





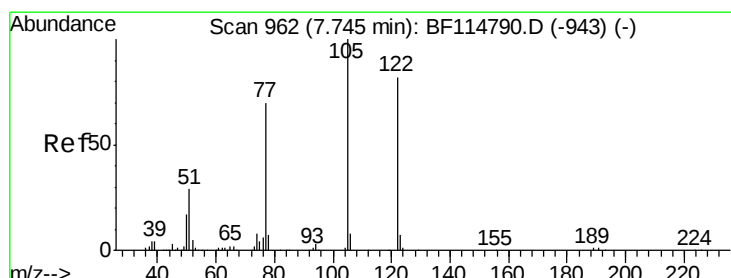
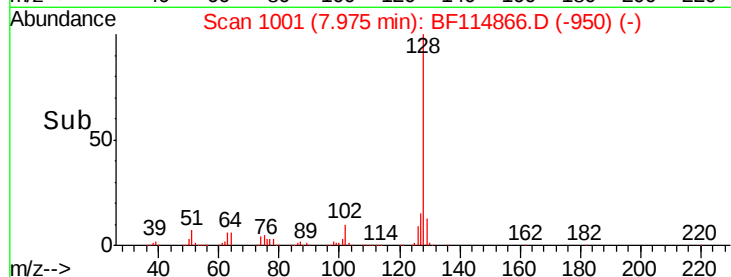
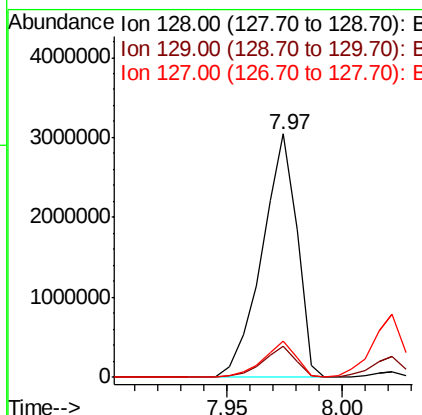
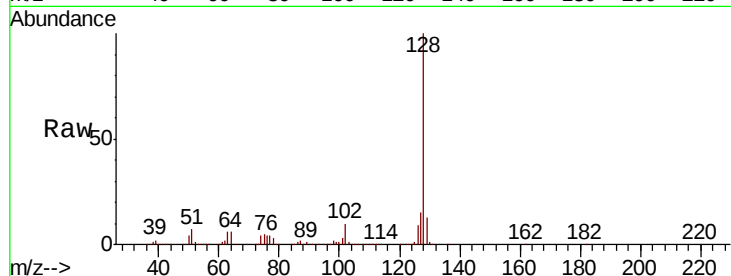
#31
Naphthalene
Concen: 47.065 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.6	10.0	15.0
127	14.9	12.2	18.2

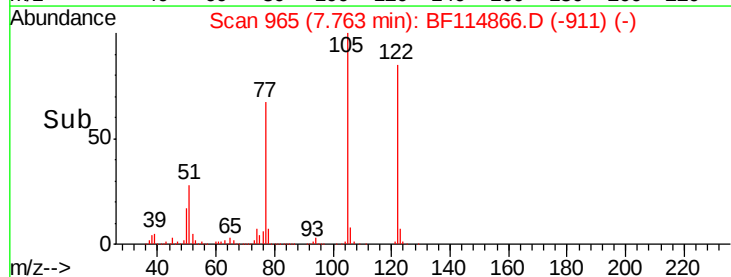
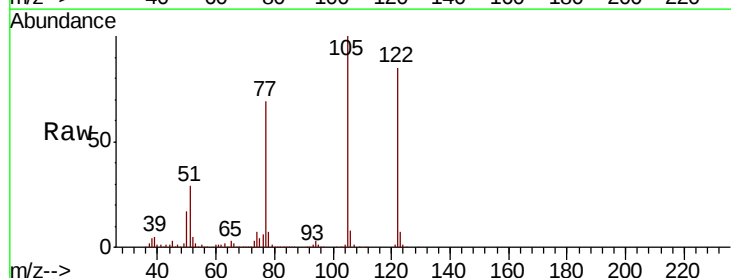
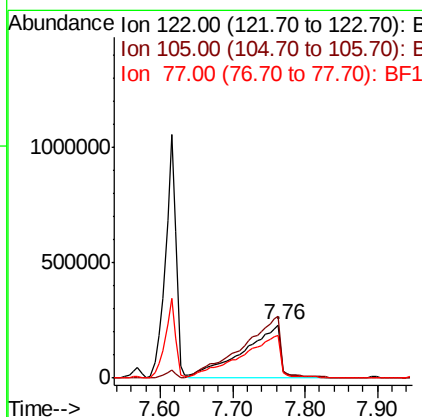
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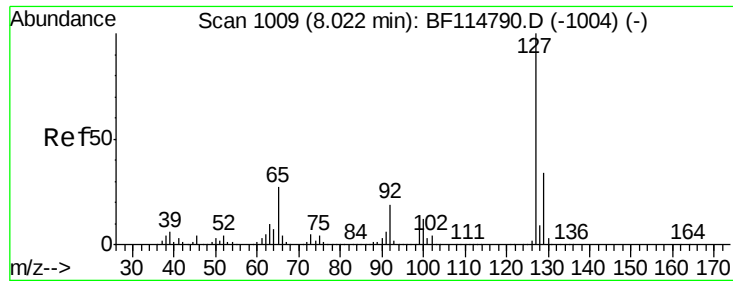
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#32
Benzoic acid
Concen: 54.270 ng
RT: 7.76 min Scan# 965
Delta R.T. 0.02 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Lower	Upper
122	100		
105	117.3	98.7	138.7
77	80.5	64.8	104.8





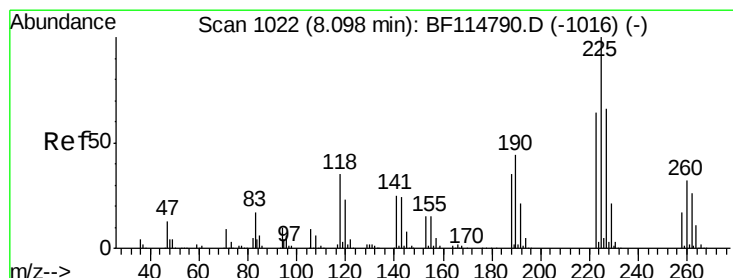
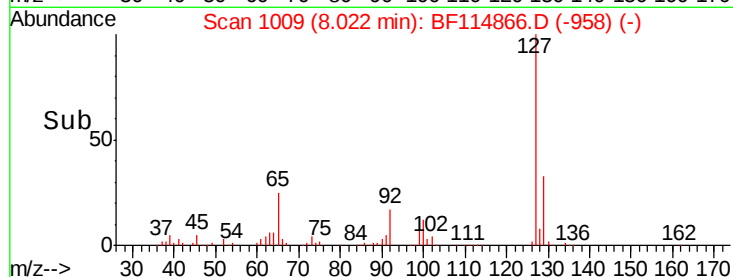
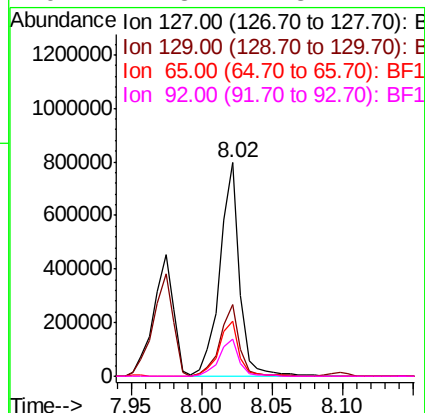
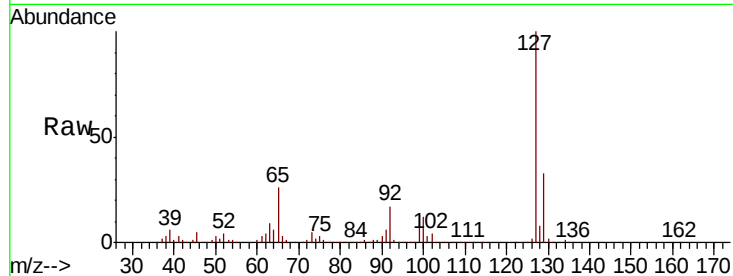
#33
4-Chloroaniline
Concen: 23.733 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		771471		
129	33.3	26.9	40.3		
65	26.0	21.7	32.5		
92	17.3	14.8	22.2		

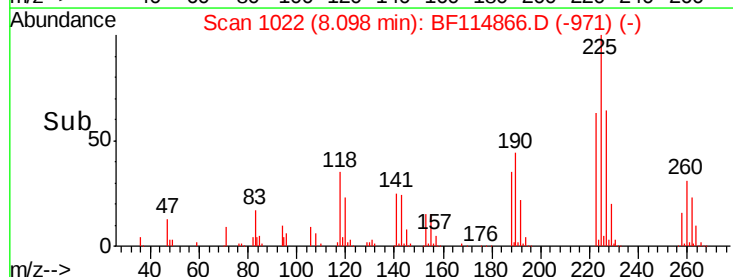
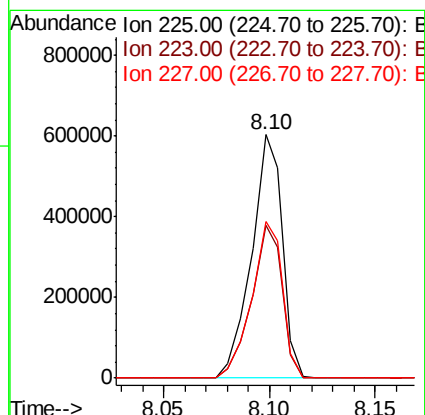
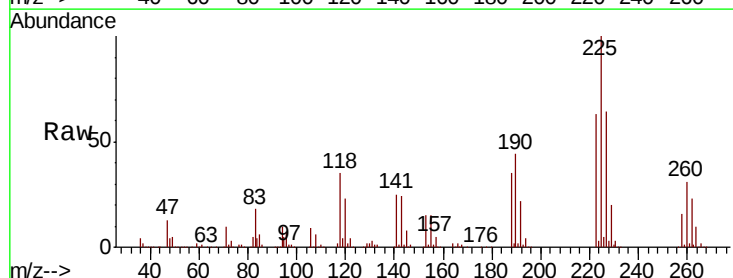
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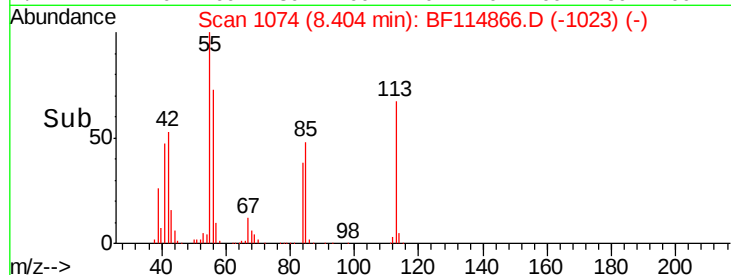
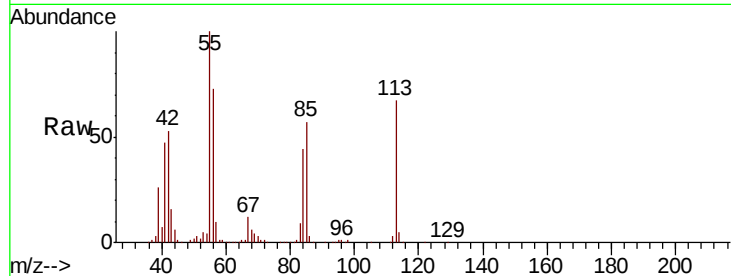
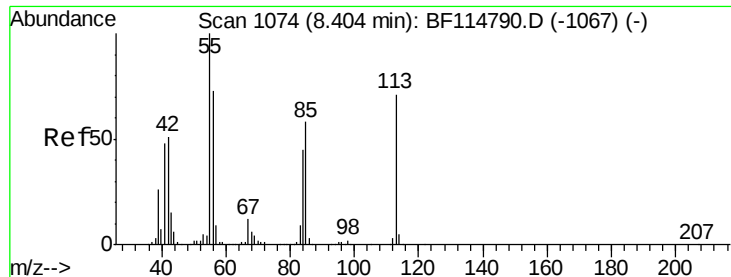
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#34
Hexachlorobutadiene
Concen: 42.317 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		608977		
223	62.7	51.0	76.6		
227	64.4	52.6	78.8		





#35

Caprolactam

Concen: 43.657 ng/ml

RT: 8.40 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Tot Ion:	113	Resp:	314609
Ion Ratio	Lower	Upper	
113	100		
55	149.9	121.1	161.1
56	109.3	82.6	122.6

Instrument :

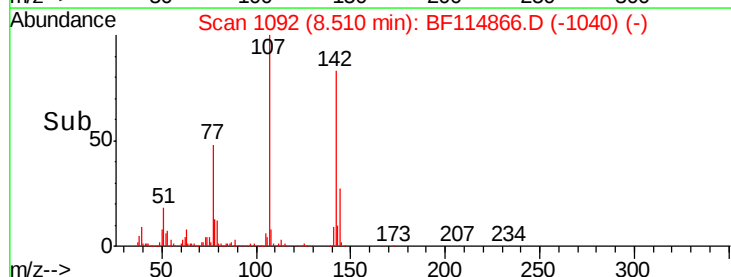
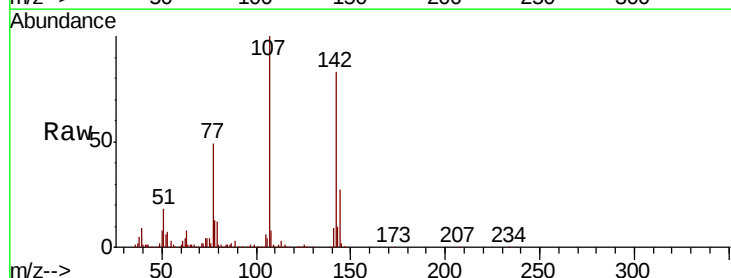
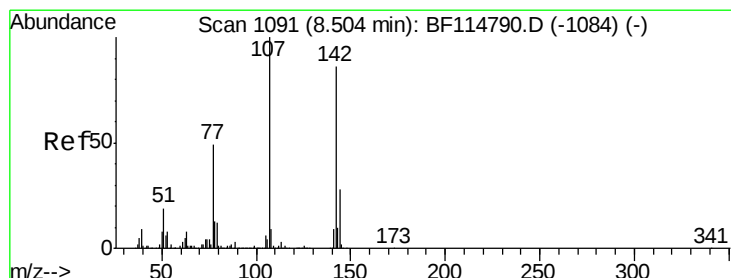
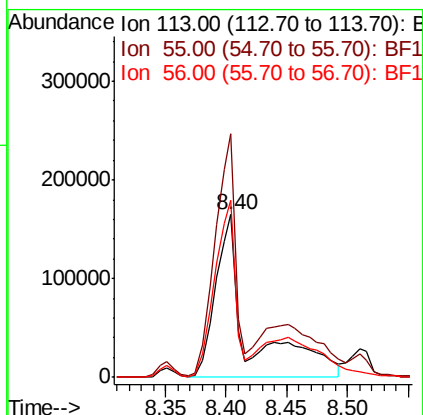
BNA_F

ClientSampleId :

PB120321BS

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#36

4-Chloro-3-methylphenol

Concen: 47.530 ng/ml

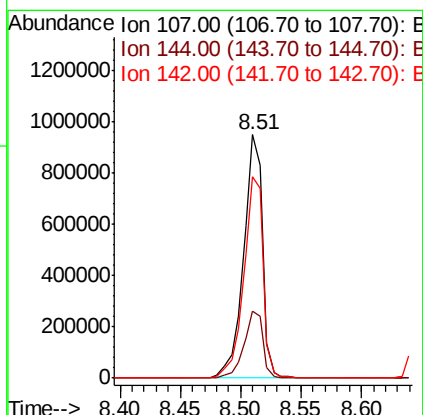
RT: 8.51 min Scan# 1092

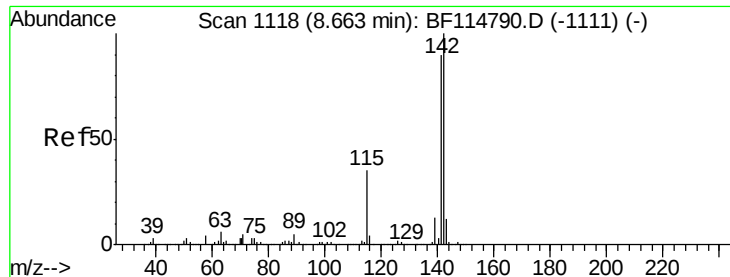
Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Tgt Ion:	107	Resp:	1043351
Ion Ratio	Lower	Upper	
107	100		
144	27.4	22.1	33.1
142	82.6	68.4	102.6





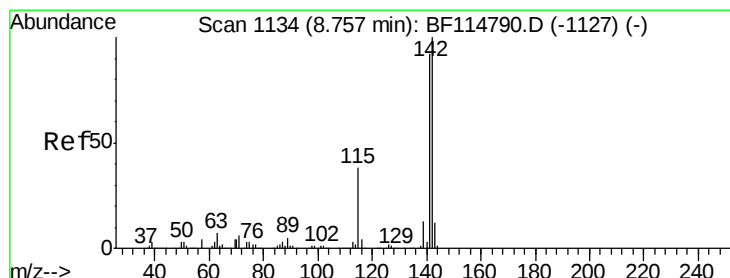
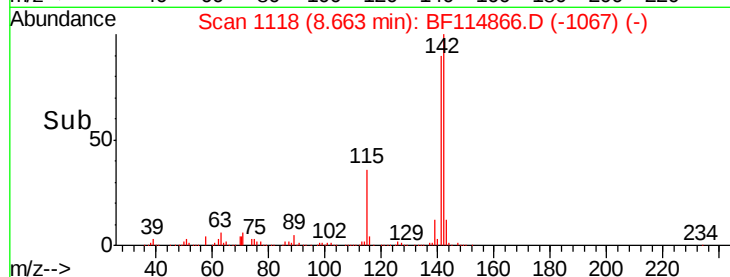
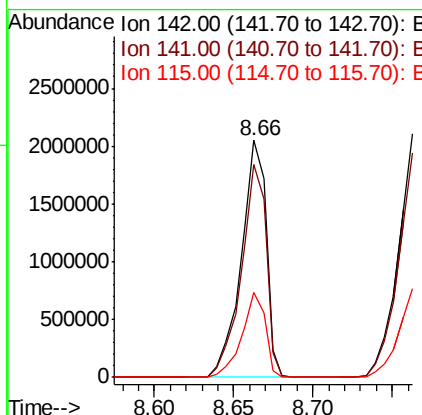
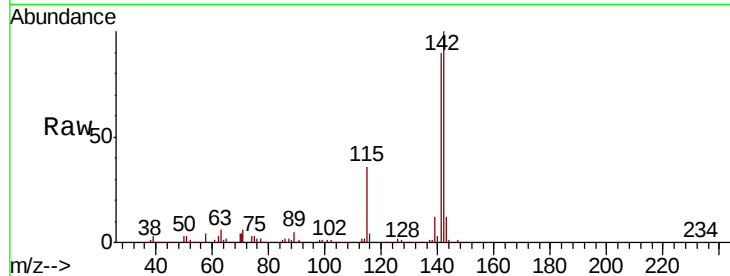
#37
2-Methylnaphthalene
Concen: 47.358 ng
RT: 8.66 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion:142 Resp: 2238275
Ion Ratio Lower Upper
142 100
141 89.7 71.6 107.4
115 35.7 28.2 42.4

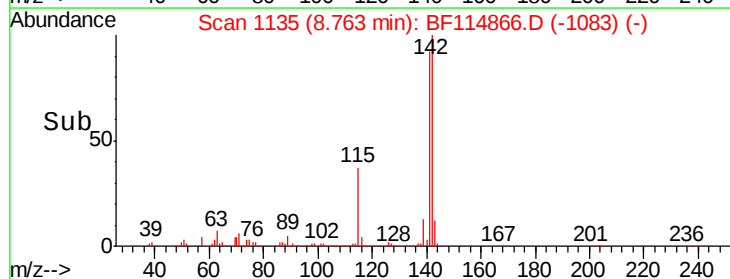
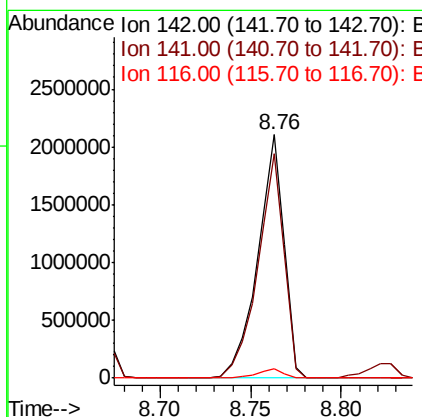
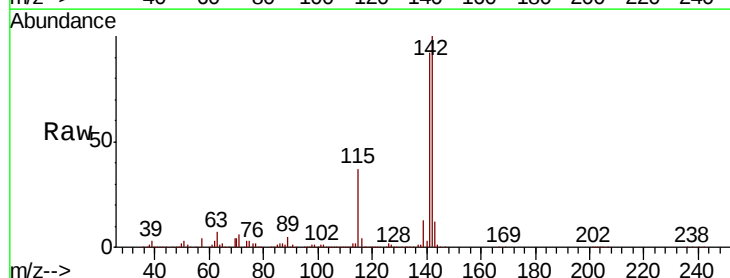
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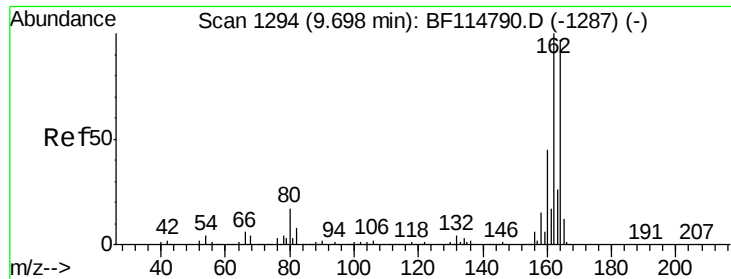
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#38
1-Methylnaphthalene
Concen: 47.246 ng
RT: 8.76 min Scan# 1135
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion:142 Resp: 2117638
Ion Ratio Lower Upper
142 100
141 92.0 73.8 110.6
116 4.0 3.3 4.9





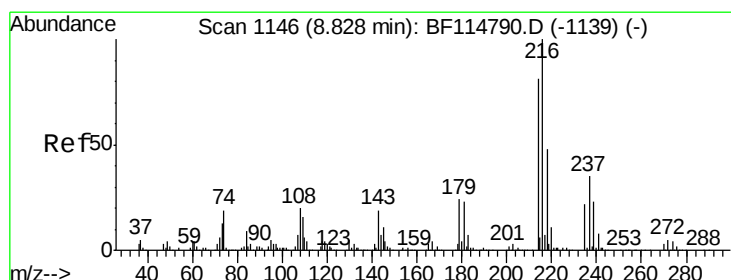
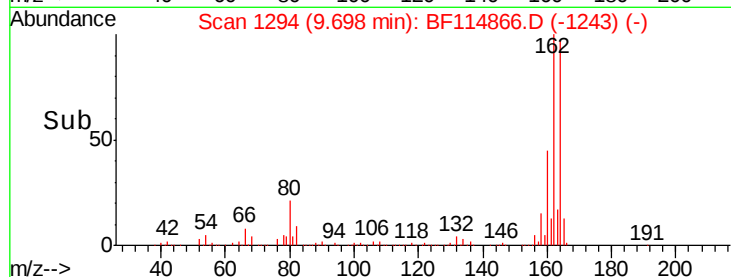
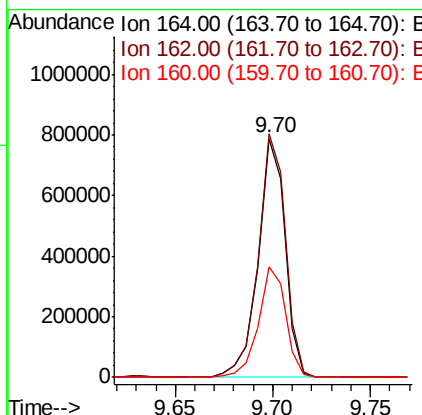
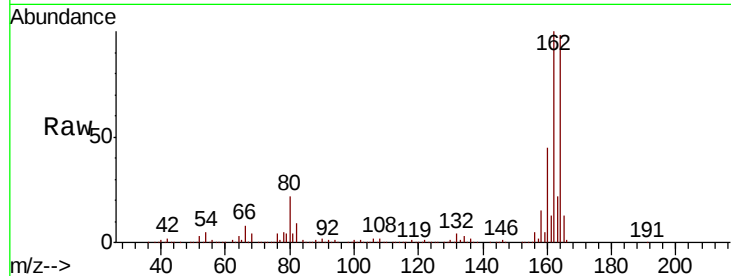
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampled :
PB120321BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.3	123.5
160	46.1	36.7	55.1

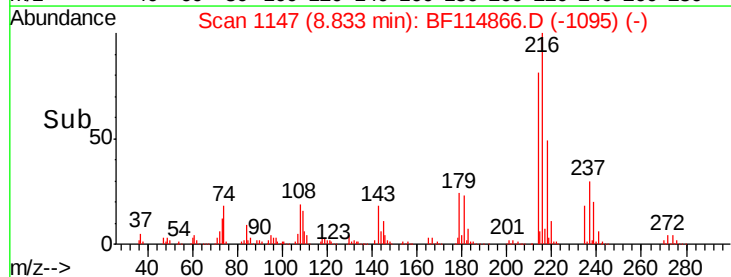
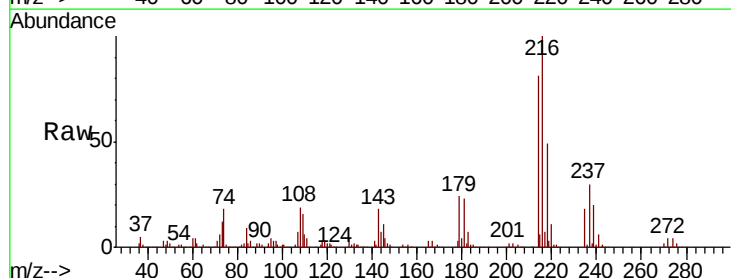
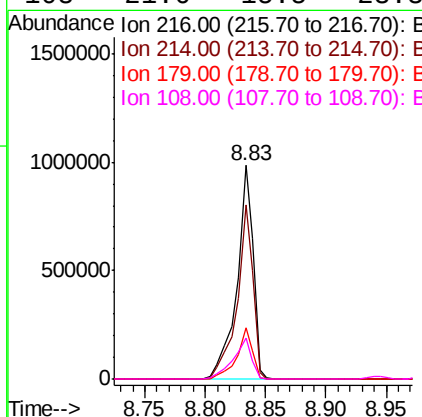
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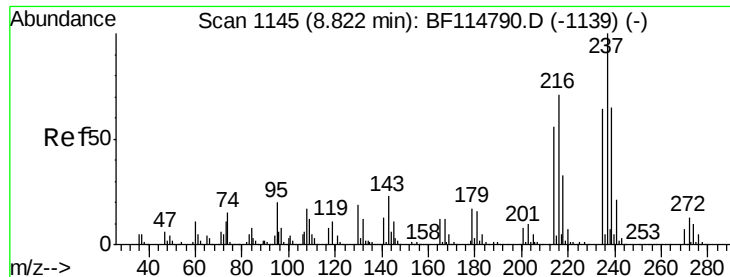
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.727 ng
RT: 8.83 min Scan# 1147
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.4	95.2
179	23.0	18.3	27.5
108	21.6	15.5	23.3





#41

Hexachlorocyclopentadiene

Concen: 87.457 ng

RT: 8.83 min Scan# 1146

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

ClientSampleId :

PB120321BS

Tot Ion:237 Resp: 1148073

Ion Ratio Lower Upper

237 100

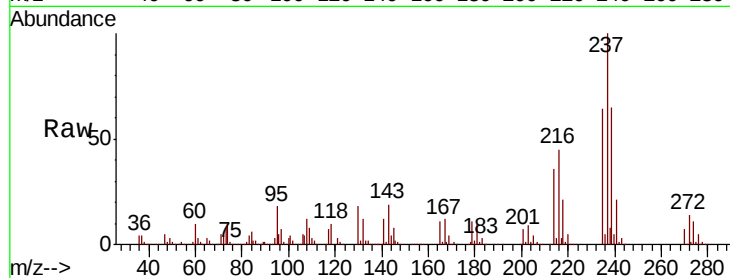
235 63.9 44.0 84.0

272 13.5 0.0 33.4

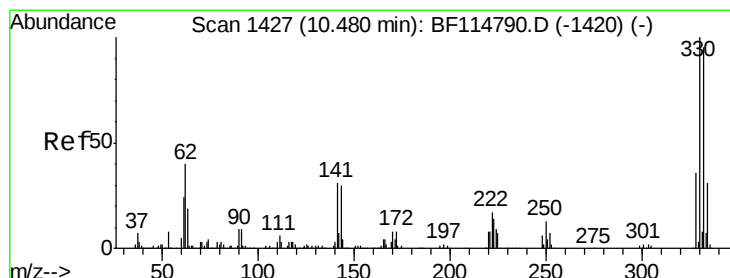
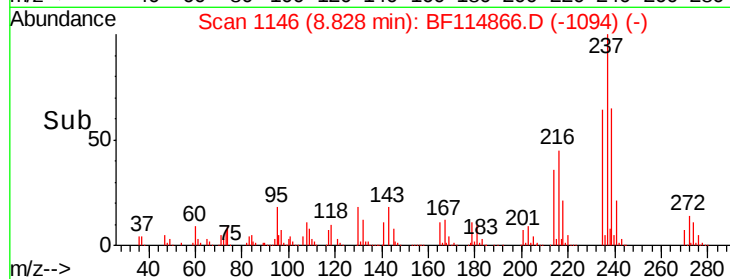
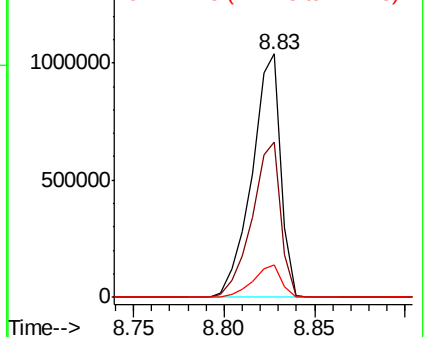
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 110.161 ng

RT: 10.49 min Scan# 1428

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

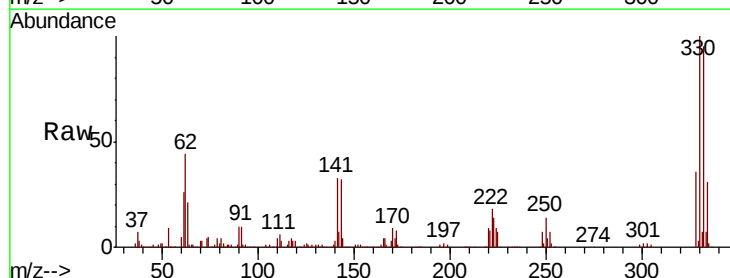
Tgt Ion:330 Resp: 891636

Ion Ratio Lower Upper

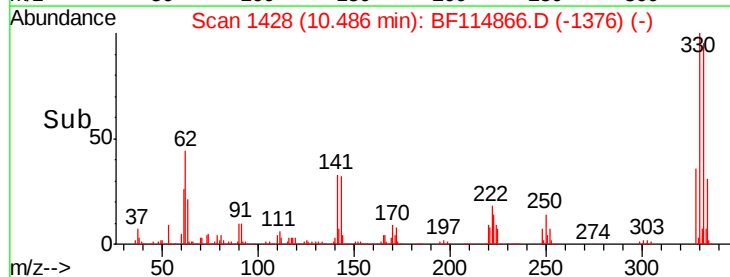
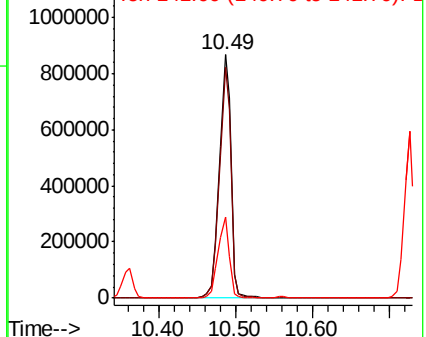
330 100

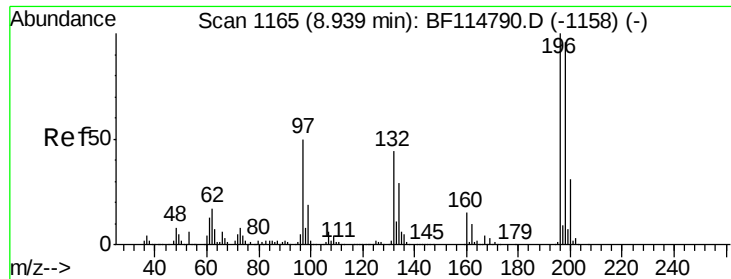
332 95.0 77.3 115.9

141 32.5 26.2 39.4



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





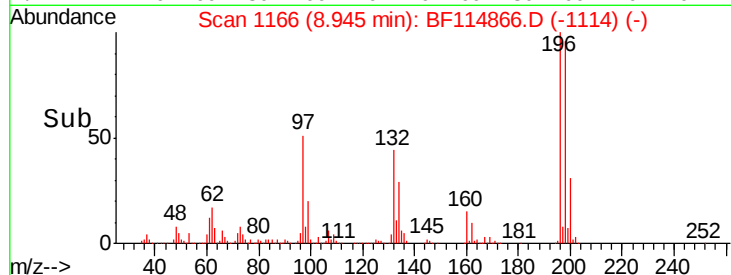
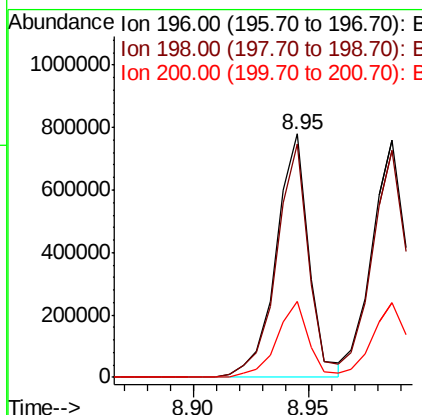
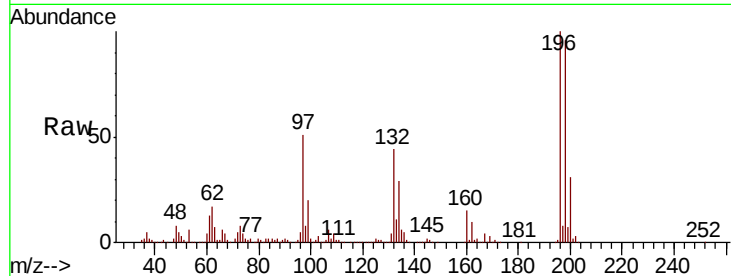
#43
 2,4,6-Trichlorophenol
 Concen: 45.436 ng
 RT: 8.95 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: BF114866.D
 Acq: 6 Jun 2019 16:55

Instrument :
 BNA_F
 ClientSampled :
 PB120321BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	764712		
198	95.7	77.1	115.7	
200	31.4	24.6	36.8	

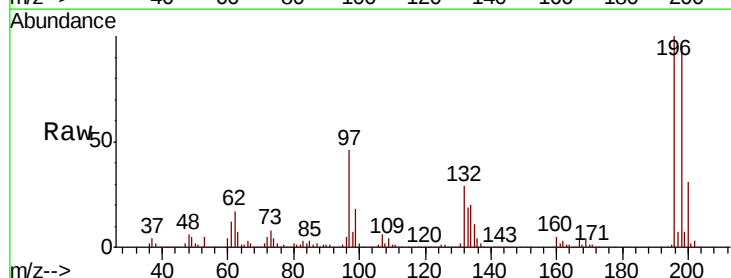
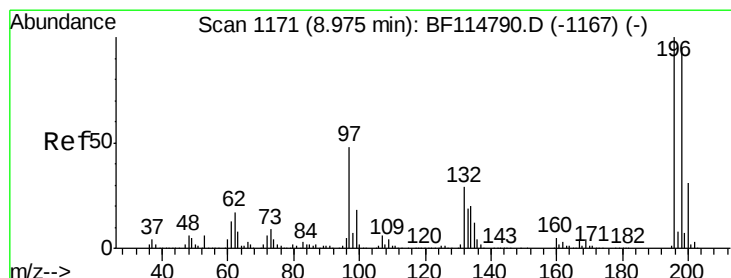
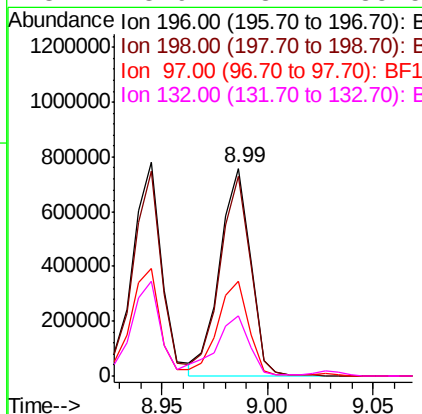
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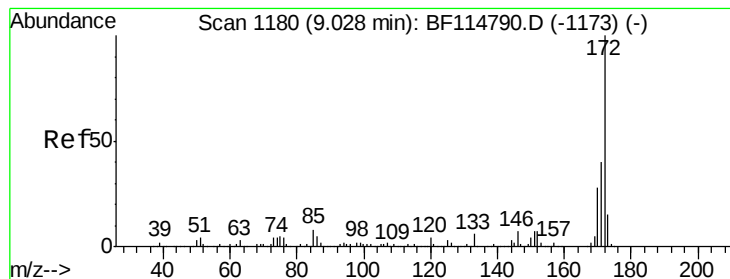
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#44
 2,4,5-Trichlorophenol
 Concen: 45.167 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: BF114866.D
 Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	765582		
198	95.9	76.2	114.4	
97	45.9	38.2	57.4	
132	28.9	23.7	35.5	





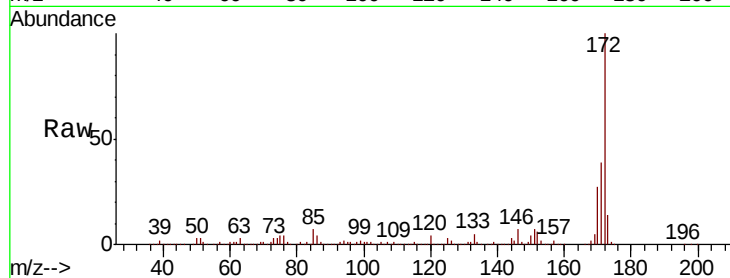
#45
2-Fluorobiphenyl
Concen: 89.363 ng
RT: 9.03 min Scan# 1181
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.9	32.3	48.5
170	26.8	22.4	33.6

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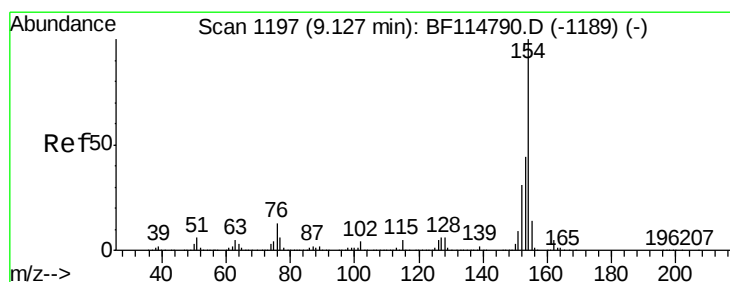
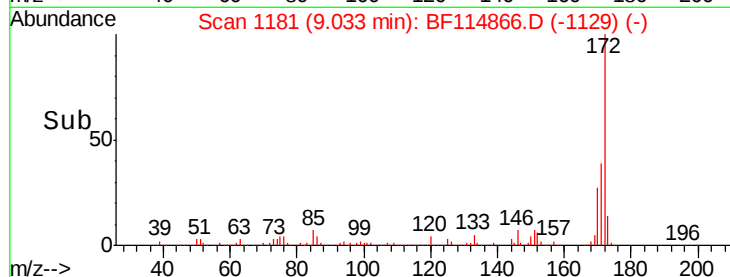
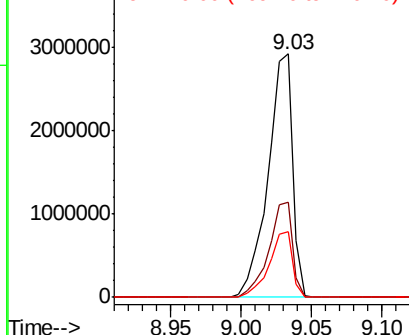


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 46.185 ng
RT: 9.13 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

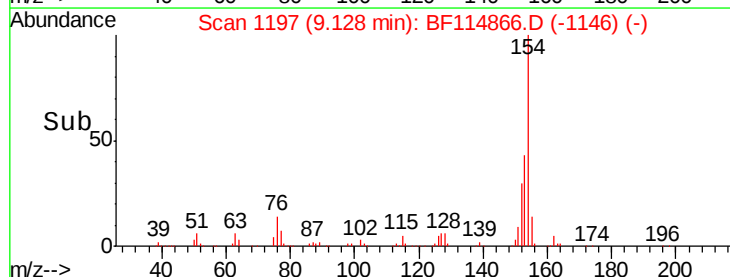
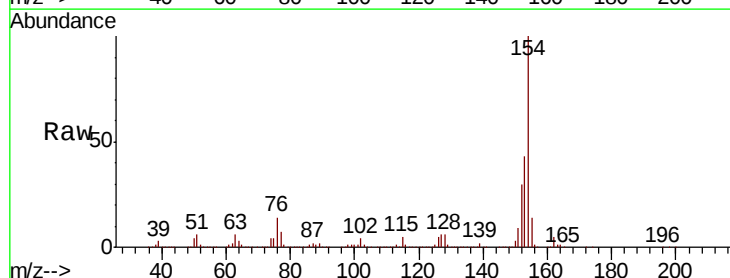
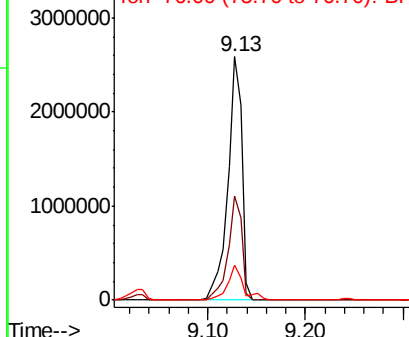
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.7	23.9	63.9
76	14.4	0.0	33.2

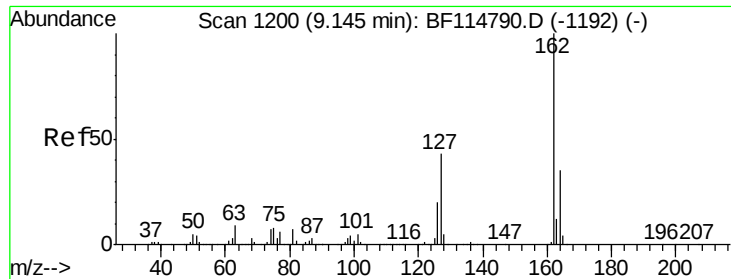
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





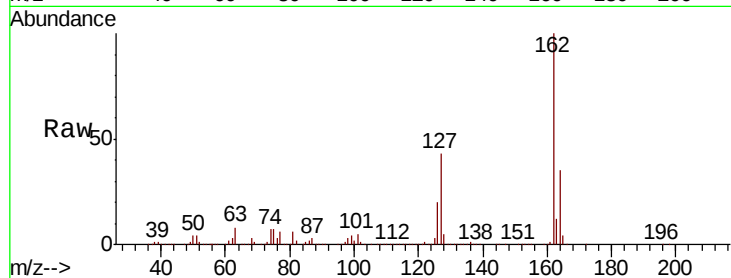
#47
2-Chloronaphthalene
Concen: 43.488 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampled :
PB120321BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.6	34.6	51.8
164	34.9	27.8	41.8

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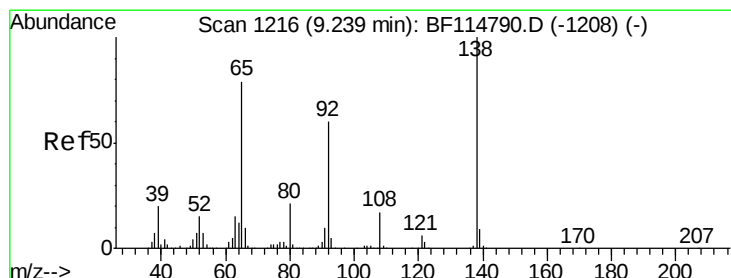
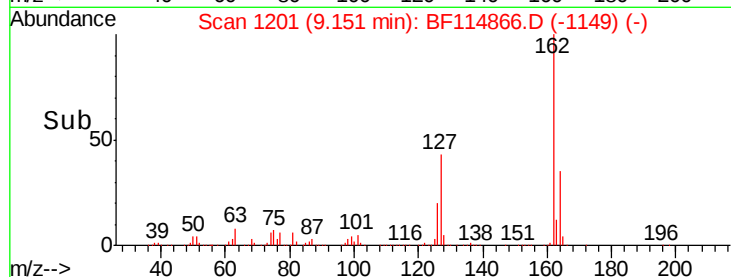
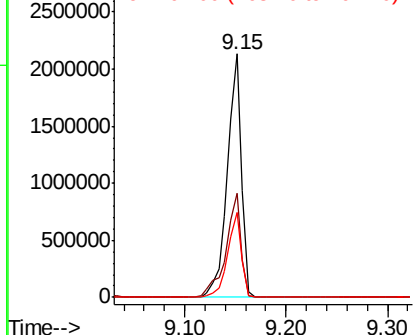


Abundance

Ion 162.00 (161.70 to 162.70): E

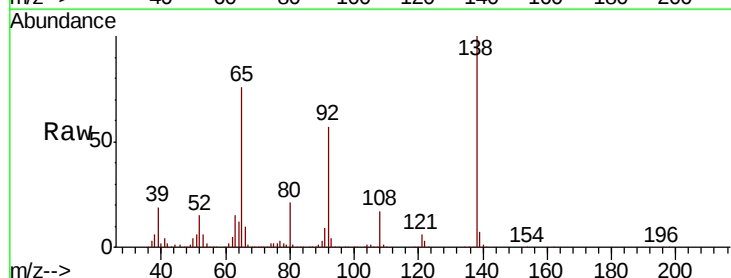
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 43.093 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	74.9	60.4	90.6
138	130.9	101.2	151.8

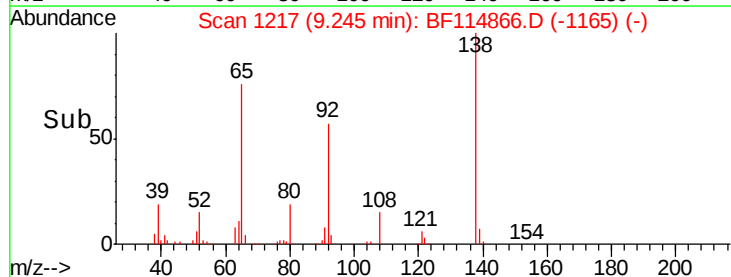
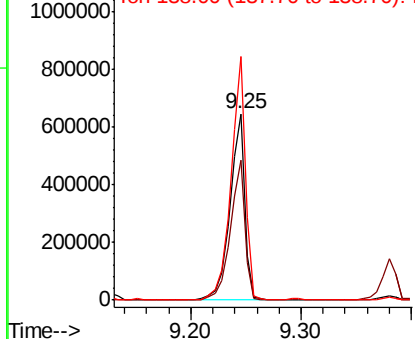


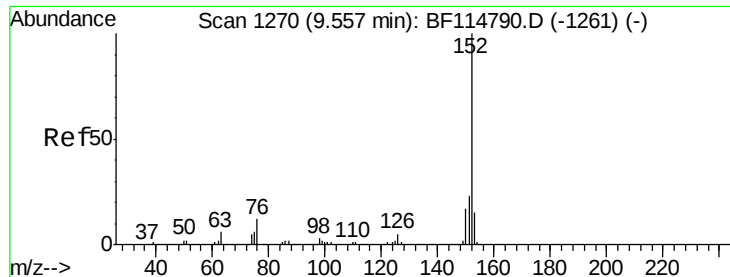
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.395 ng

RT: 9.56 min Scan# 1271

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

ClientSampleId :

PB120321BS

Tot Ion:152 Resp: 3113796

Ion Ratio Lower Upper

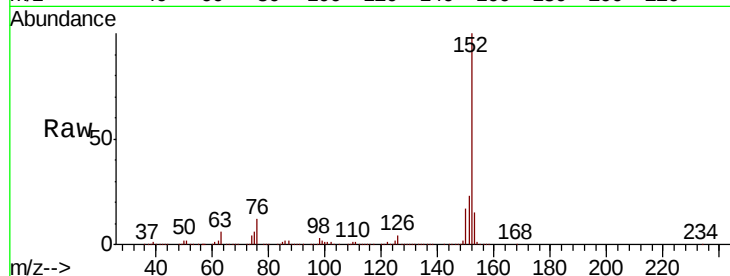
152 100

151 23.0 18.3 27.5

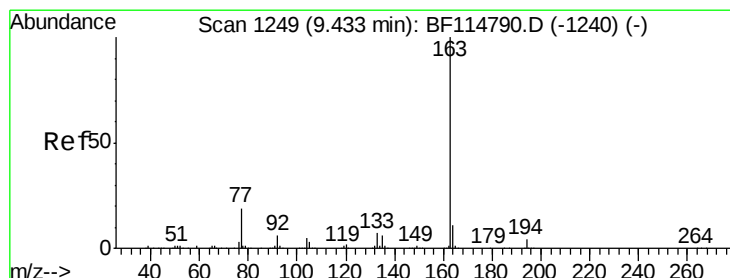
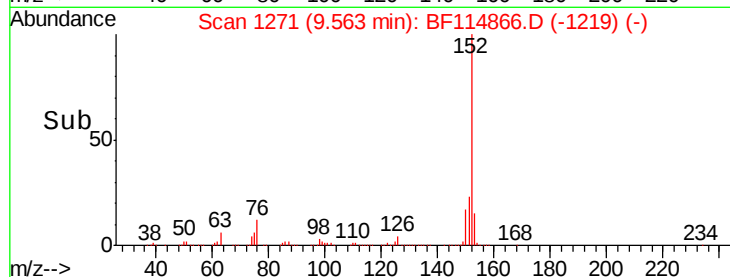
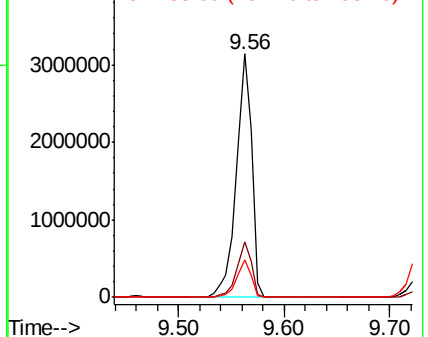
153 15.5 12.3 18.5

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 44.430 ng

RT: 9.43 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

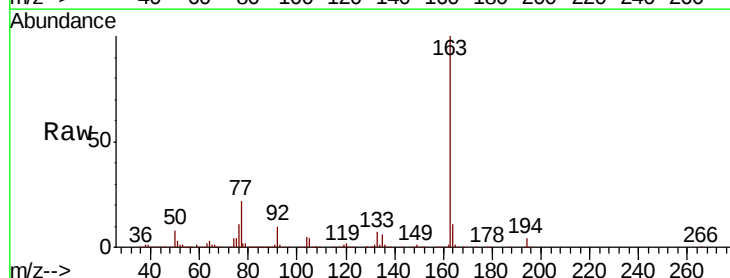
Tgt Ion:163 Resp: 2437222

Ion Ratio Lower Upper

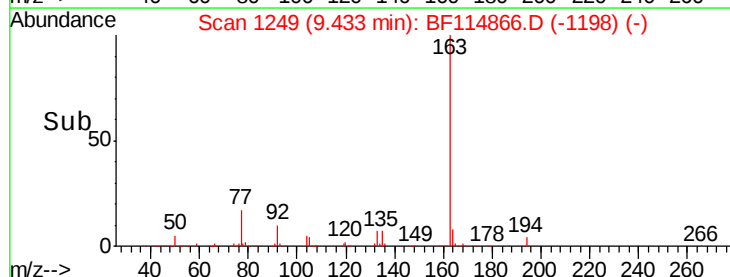
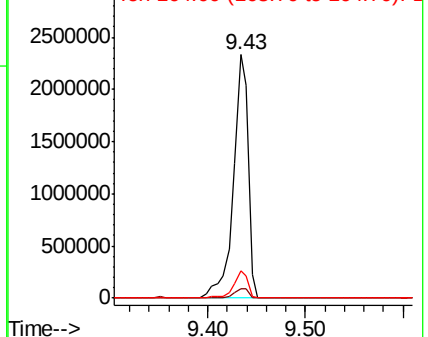
163 100

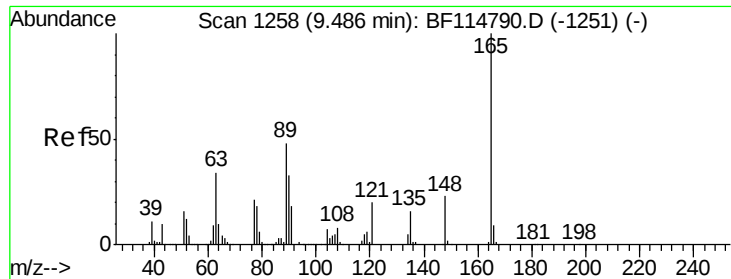
194 4.1 3.4 5.2

164 11.4 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





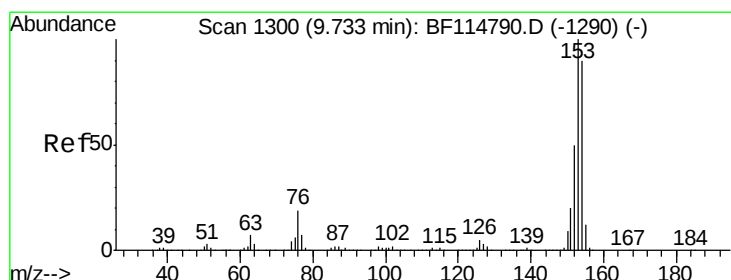
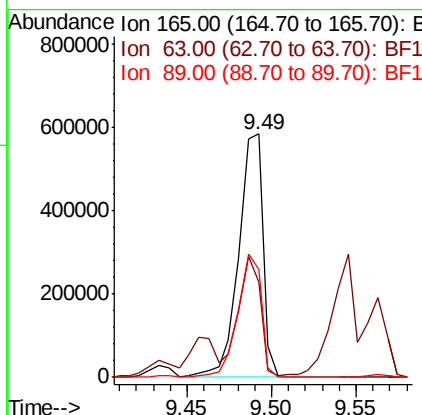
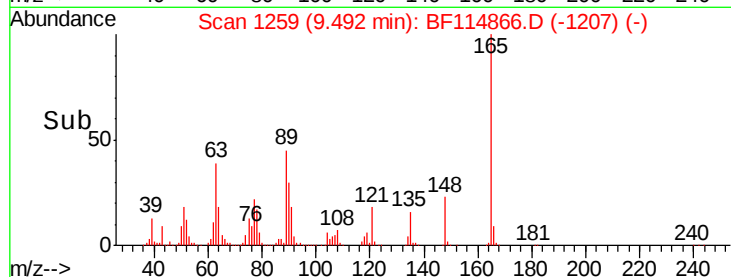
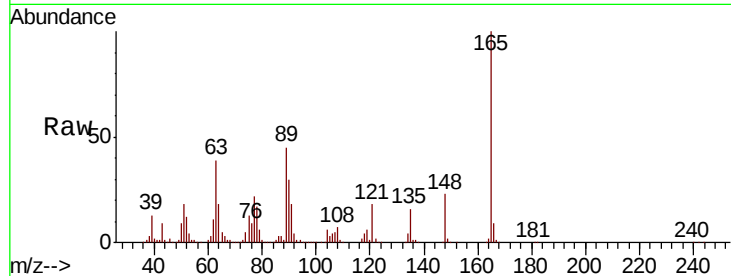
#51
2,6-Dinitrotoluene
Concen: 45.394 ng
RT: 9.49 min Scan# 1259
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	585614		
63	39.3		35.1	52.7
89	44.6		38.2	57.2

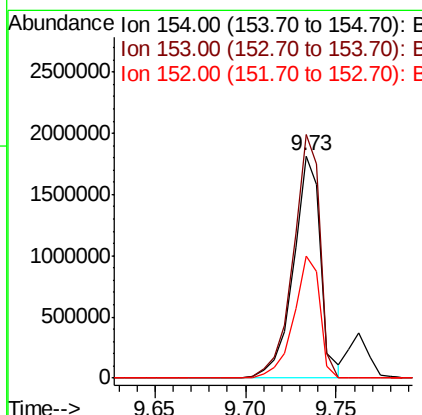
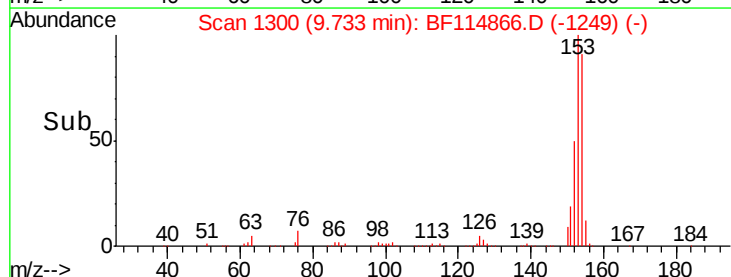
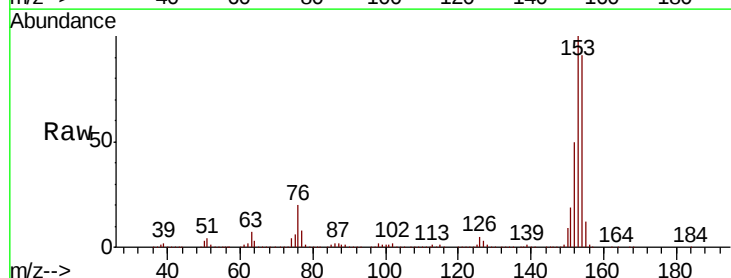
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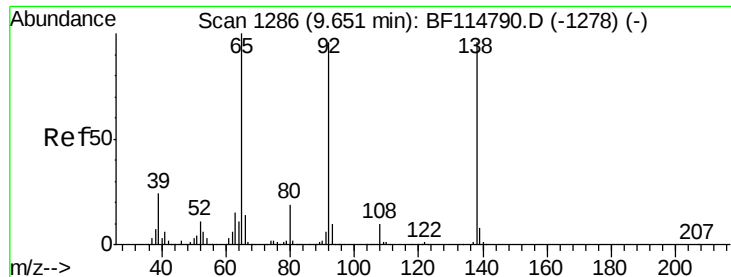
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#52
Acenaphthene
Concen: 42.451 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1907453		
153	109.5		88.5	132.7
152	54.8		44.1	66.1





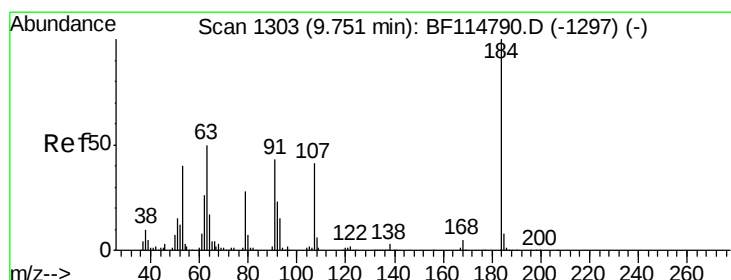
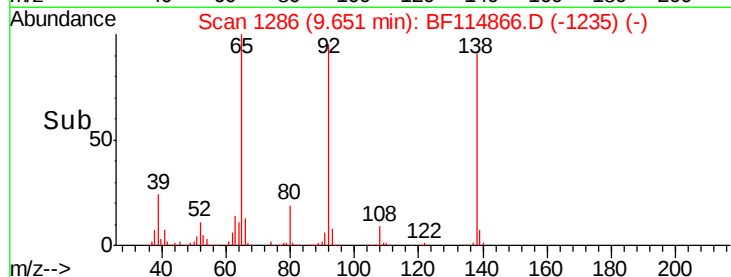
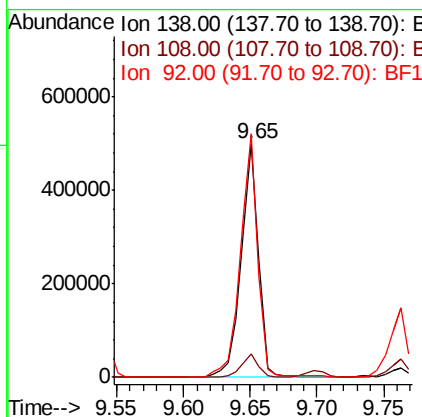
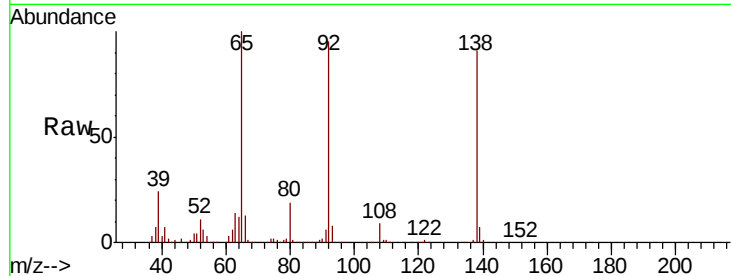
#53
3-Nitroaniline
Concen: 30.076 ng
RT: 9.65 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.9	11.9
92	104.1	79.9	119.9

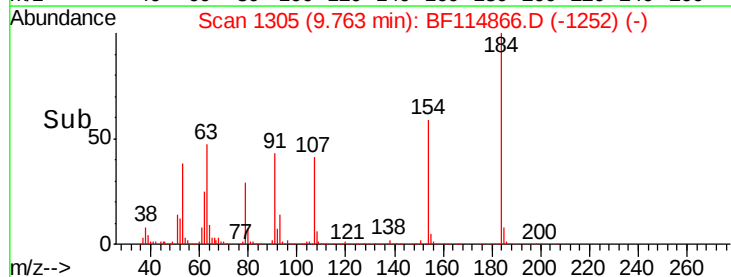
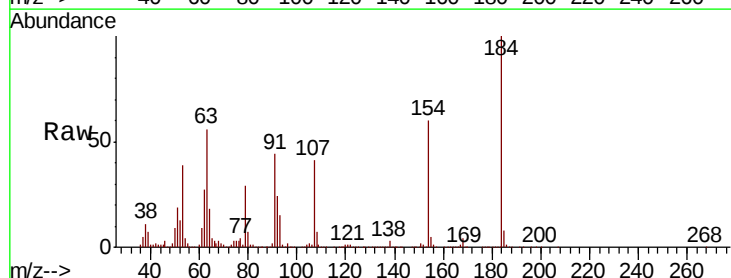
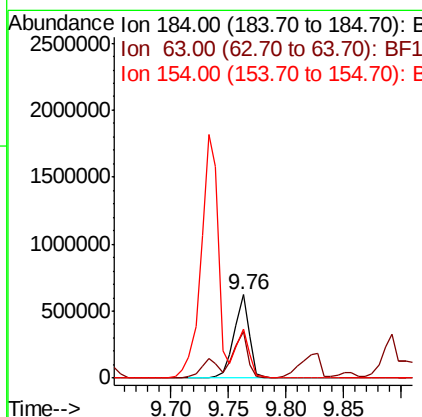
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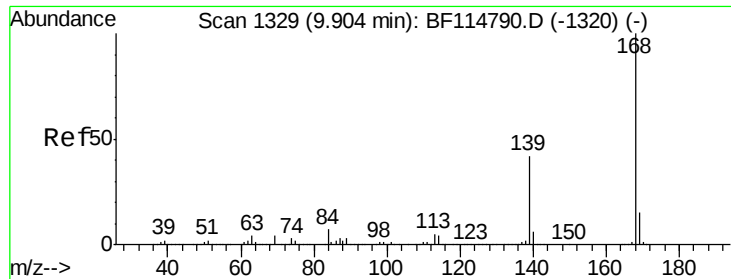
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#54
2,4-Dinitrophenol
Concen: 98.349 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Lower	Upper
184	100		
63	56.1	44.1	66.1
154	59.5	48.1	72.1





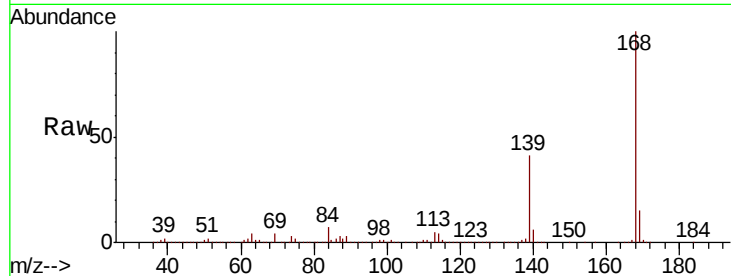
#55
Dibenzofuran
Concen: 43.550 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

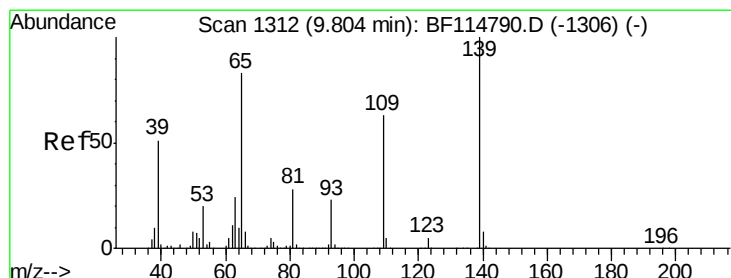
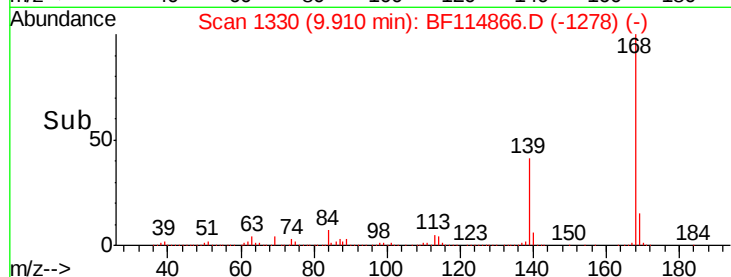
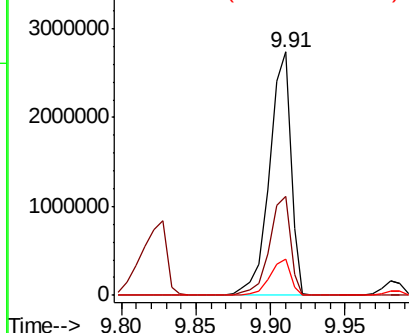
Tot Ion:168 Resp: 2721073
Ion Ratio Lower Upper
168 100
139 40.8 33.8 50.6
169 14.8 11.9 17.9

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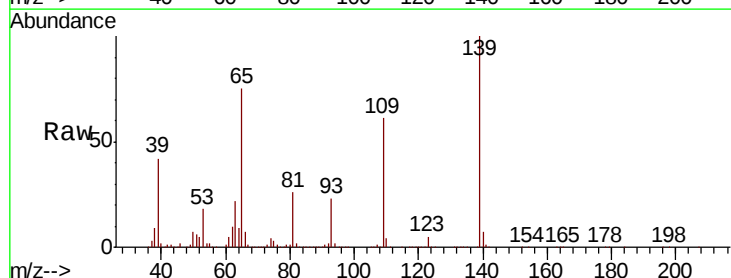


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

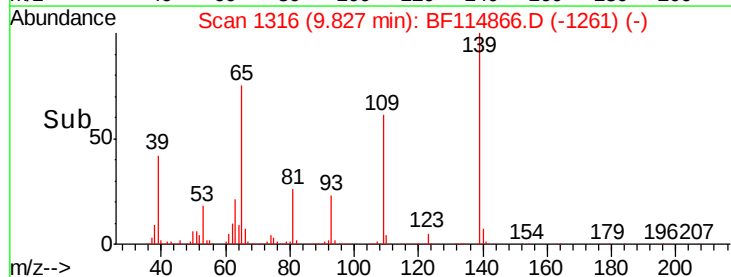
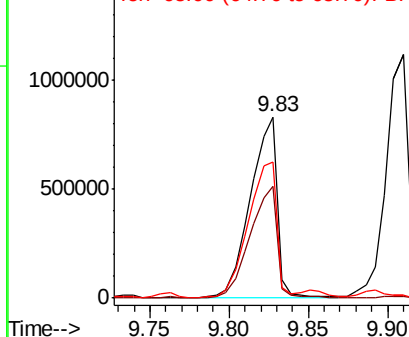


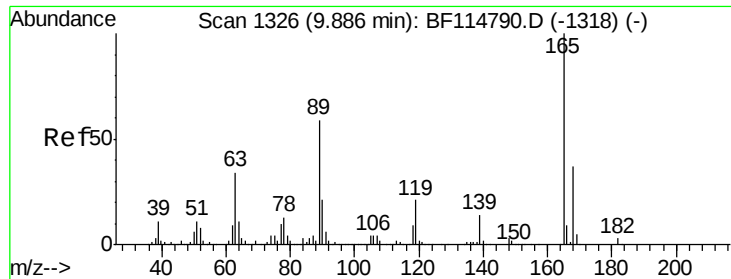
#56
4-Nitrophenol
Concen: 89.229 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.02 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion:139 Resp: 985362
Ion Ratio Lower Upper
139 100
109 61.2 43.5 83.5
65 75.3 63.2 103.2



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





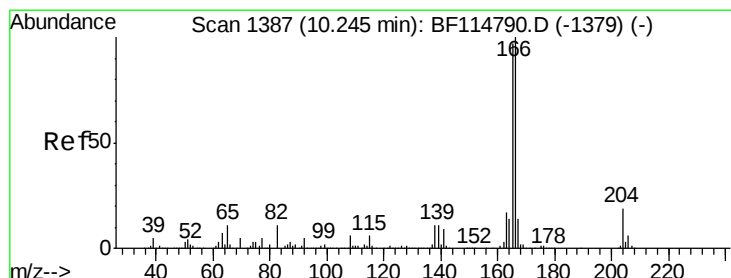
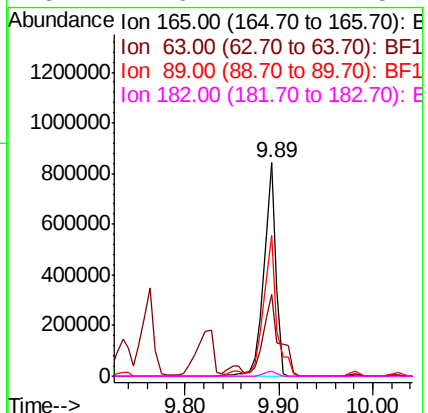
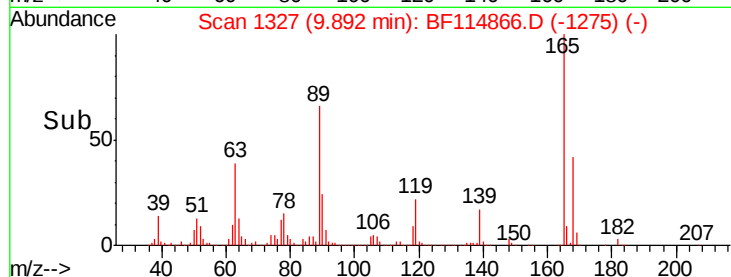
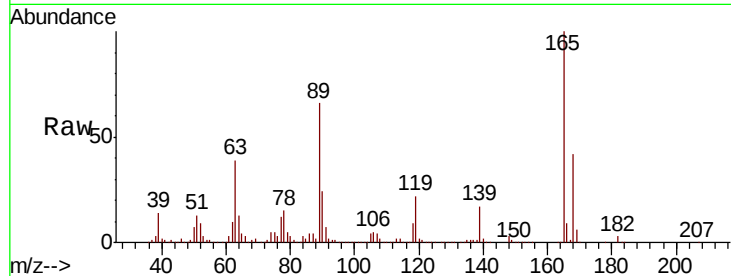
#57
2,4-Dinitrotoluene
Concen: 45.834 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	743315		
63	38.6	27.0	40.4	
89	65.8	47.0	70.6	
182	2.6	2.2	3.2	

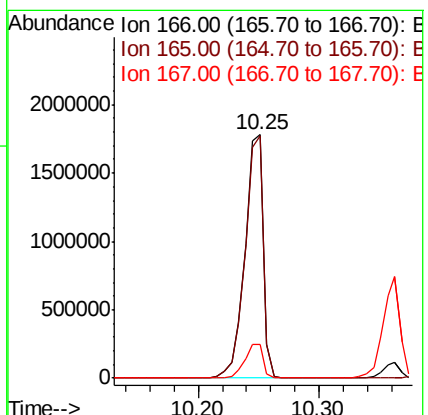
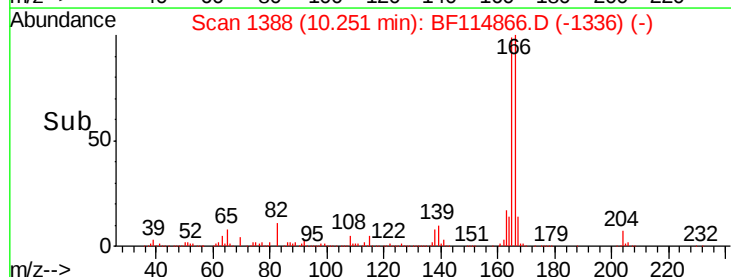
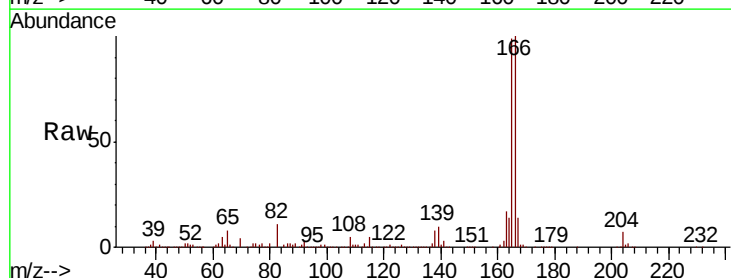
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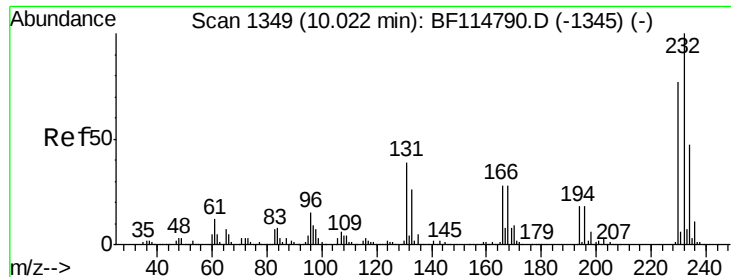
mohammad
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#58
Fluorene
Concen: 47.929 ng
RT: 10.25 min Scan# 1388
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1895323		
165	99.4	77.9	116.9	
167	13.6	11.3	16.9	





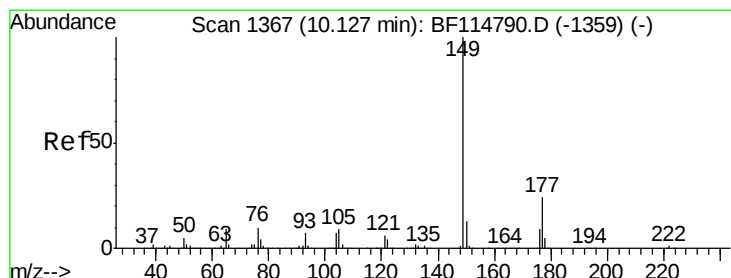
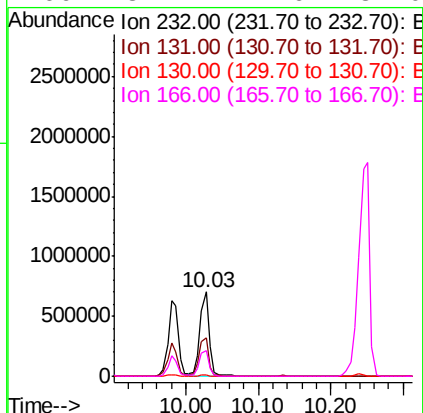
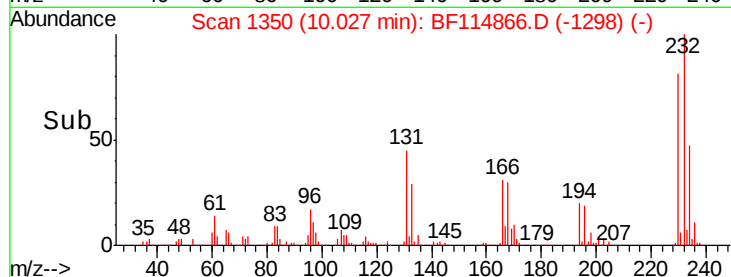
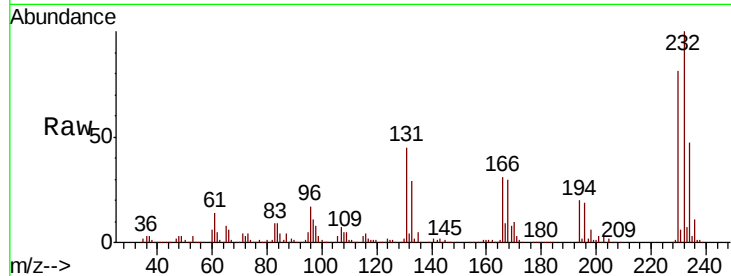
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.731 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.3	36.8	55.2
130	2.2	1.8	2.6
166	31.2	24.6	37.0

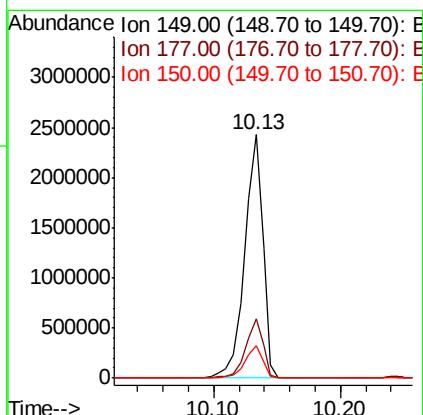
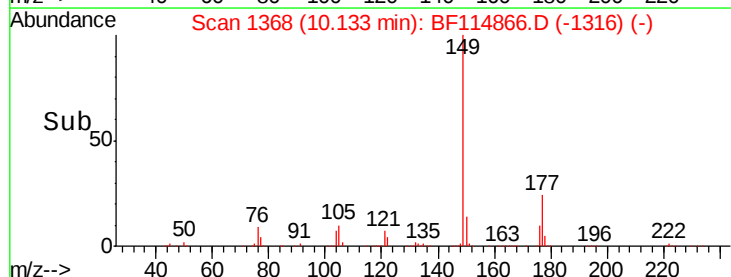
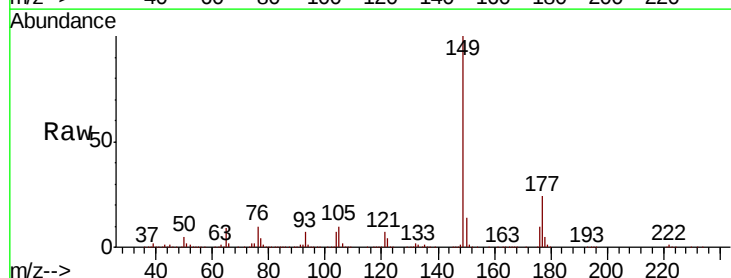
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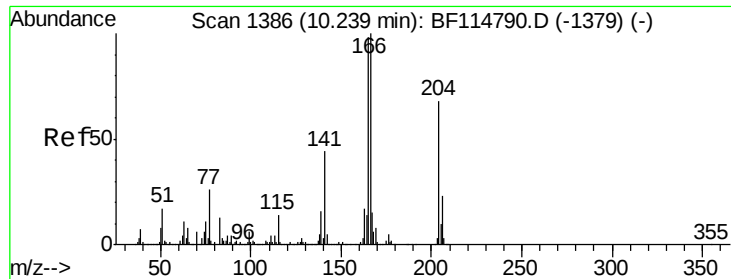
mohammad
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#60
Diethylphthalate
Concen: 43.567 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.2	19.3	28.9
150	13.5	10.7	16.1





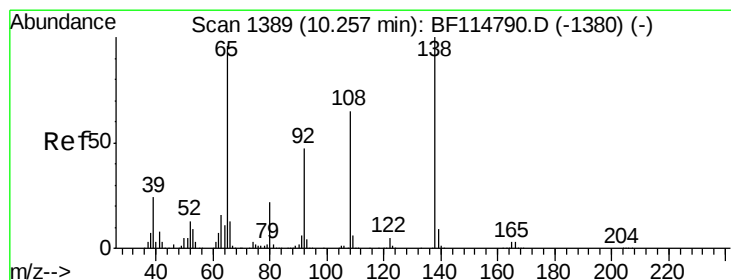
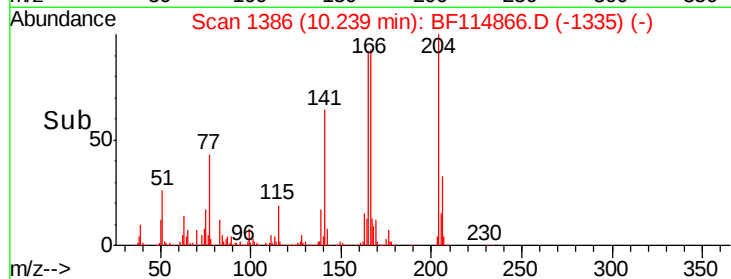
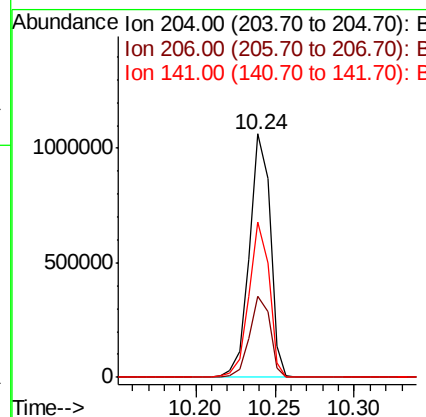
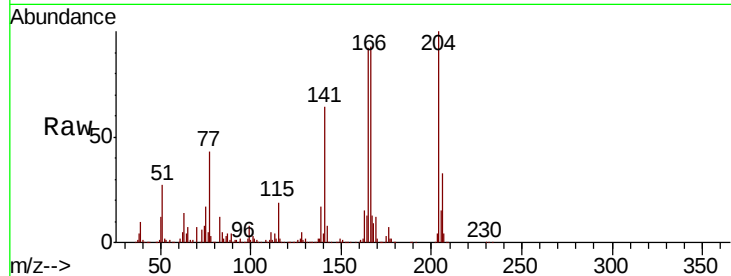
#61
4-Chlorophenyl-phenylether
Concen: 40.509 ng
RT: 10.24 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampled :
PB120321BS

Tot Ion	Ratio	Resp Lower	Upper
204	100		
206	33.0	26.5	39.7
141	64.0	51.0	76.4

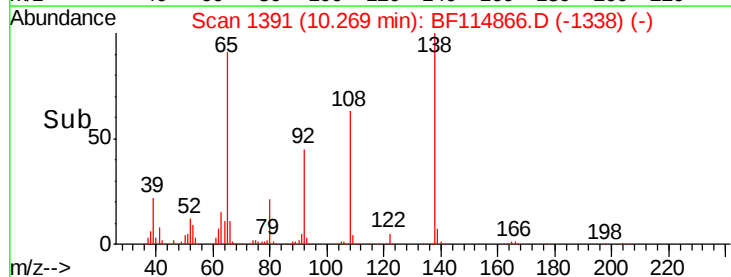
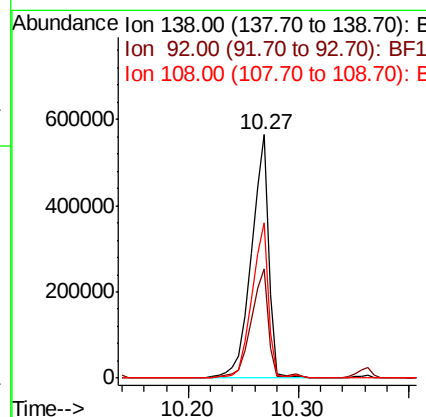
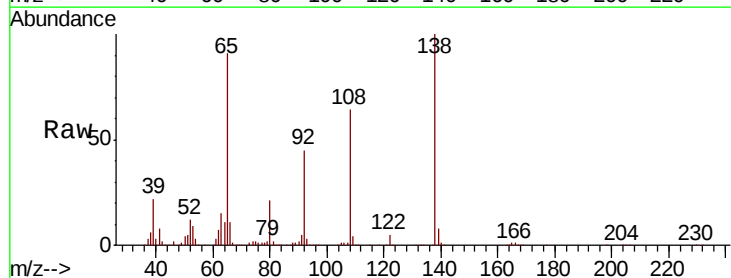
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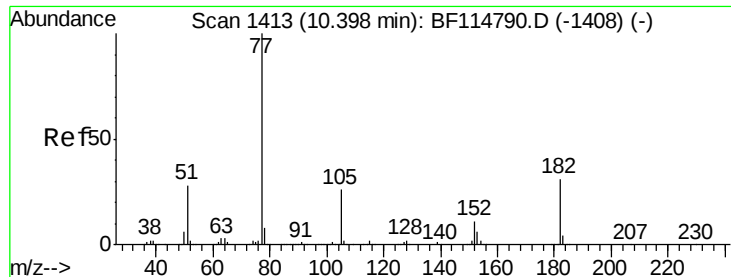
mohammad
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#62
4-Nitroaniline
Concen: 42.798 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Resp Lower	Upper
138	100		
92	45.1	26.5	66.5
108	63.5	45.4	85.4





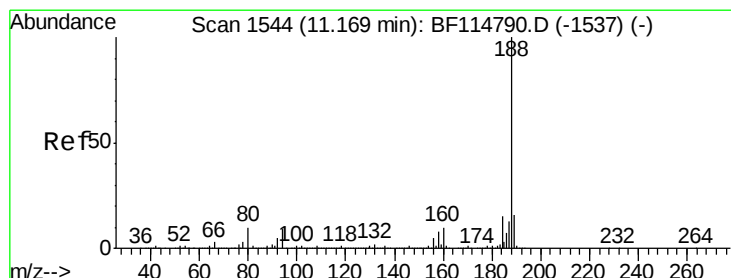
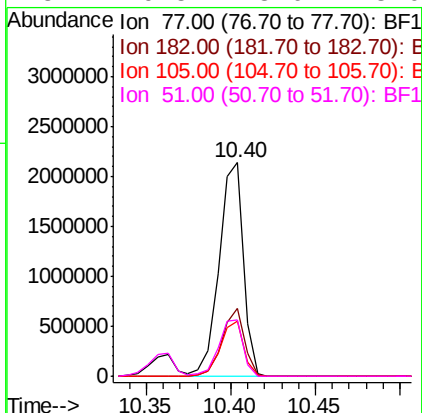
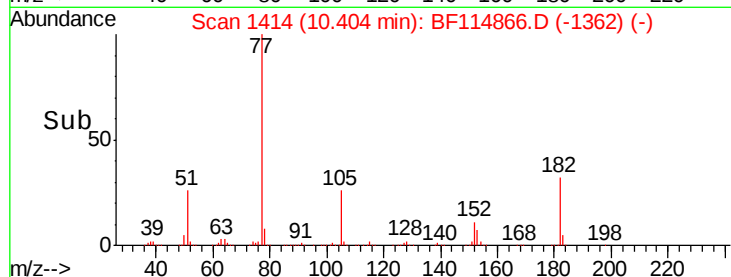
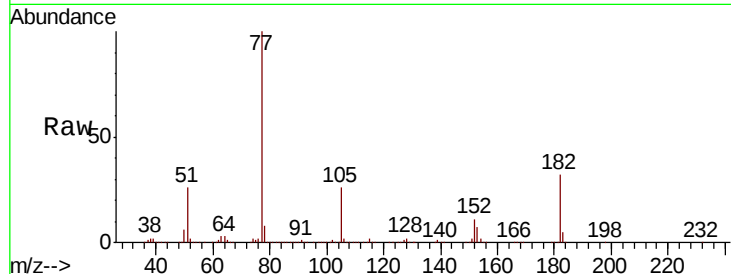
#63
Azobenzene
Concen: 45.541 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Lower	Upper
77	100		
182	32.1	11.2	51.2
105	25.8	5.7	45.7
51	26.5	8.0	48.0

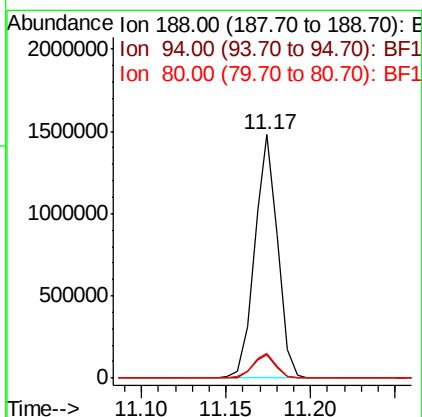
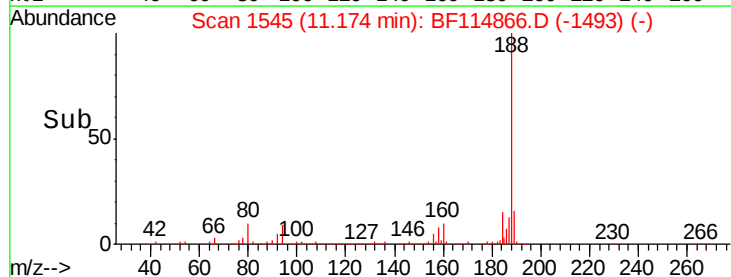
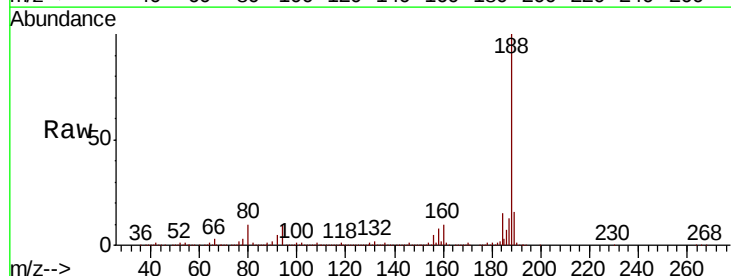
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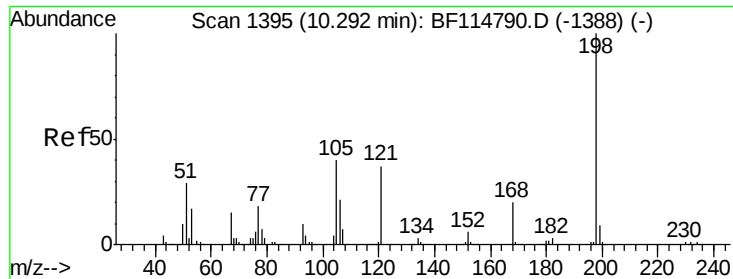
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.6	11.4
80	10.2	8.3	12.5





#65

4,6-Dinitro-2-methylphenol

Concen: 47.238 ng

RT: 10.30 min Scan# 1396

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

ClientSampleId :

PB120321BS

Tot Ion:198 Resp: 341222
Ion Ratio Lower Upper

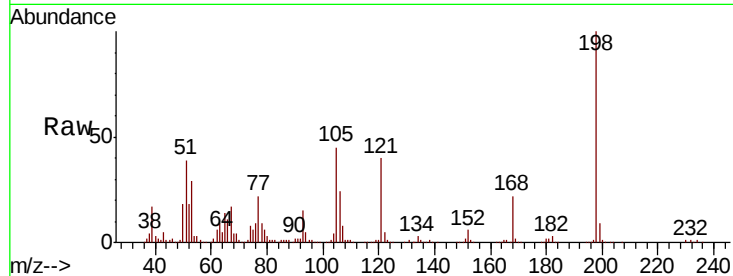
198 100

51 39.4 14.9 54.9

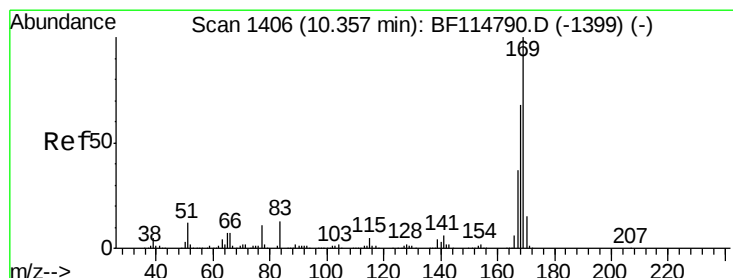
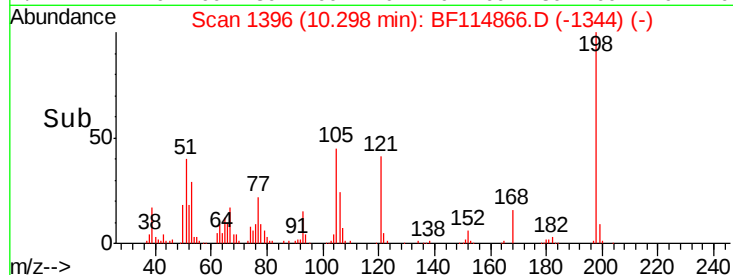
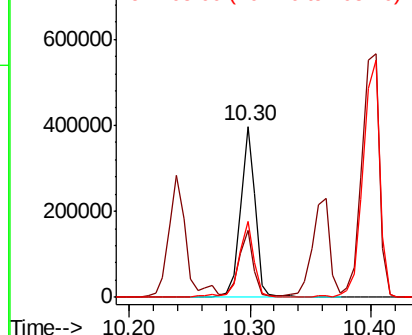
105 44.7 21.0 61.0

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Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 45.979 ng

RT: 10.36 min Scan# 1407

Delta R.T. 0.01 min

Lab File: BF114866.D

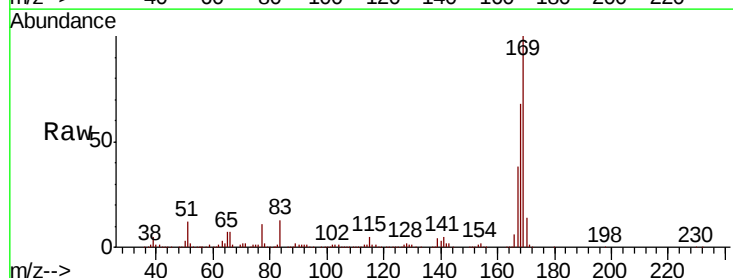
Acq: 6 Jun 2019 16:55

Tgt Ion:169 Resp: 1933316
Ion Ratio Lower Upper

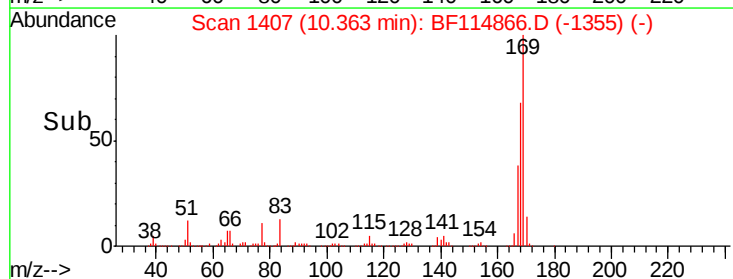
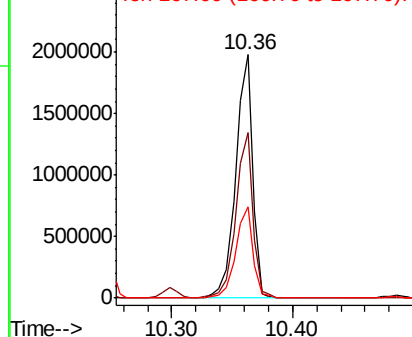
169 100

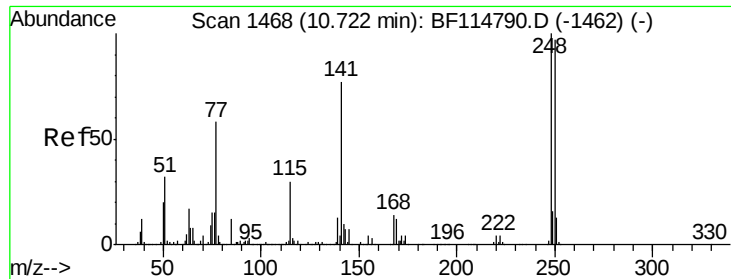
168 68.2 54.3 81.5

167 37.6 29.9 44.9



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





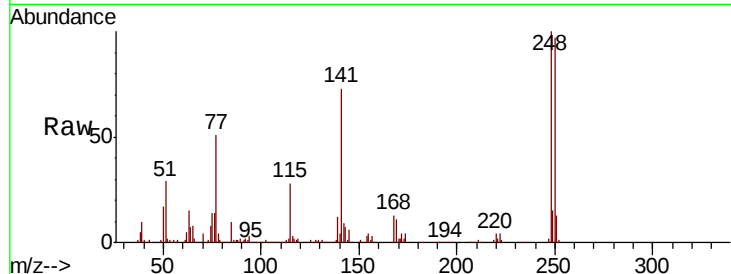
#67
4-Bromophenyl-phenylether
Concen: 43.117 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampled :
PB120321BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.5	116.3
141	73.1	61.8	92.8

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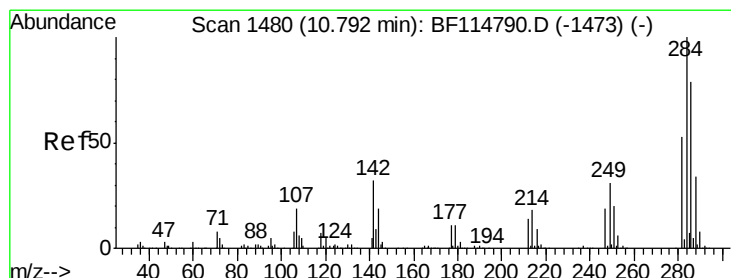
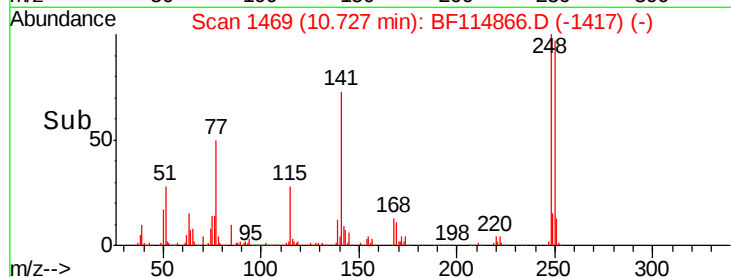
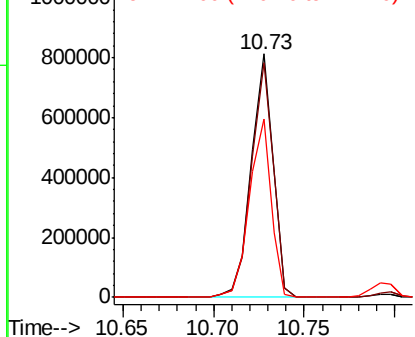


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 42.080 ng
RT: 10.80 min Scan# 1481
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

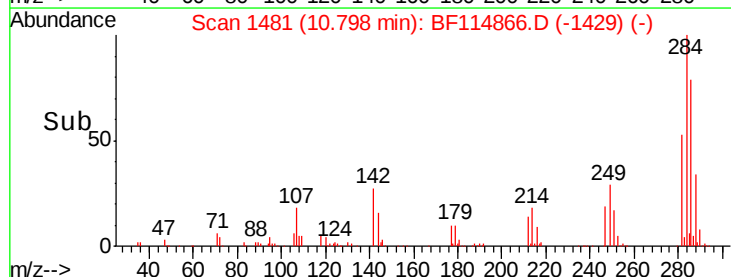
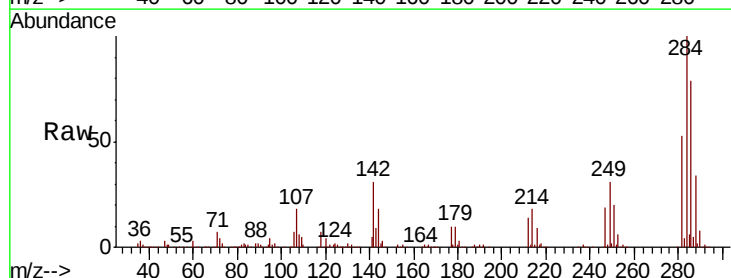
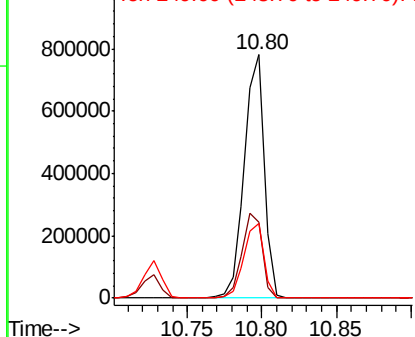
Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.0	25.3	37.9
249	30.6	24.9	37.3

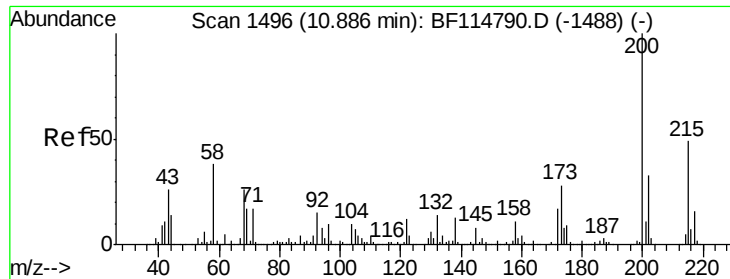
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





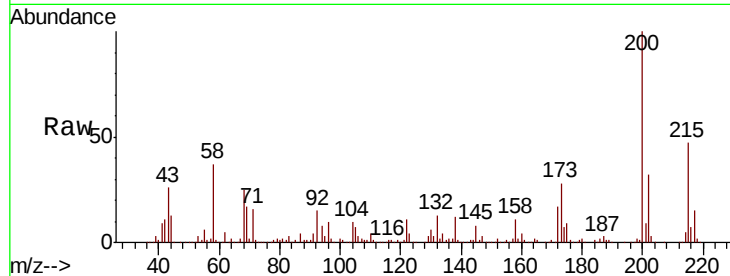
#69
Atrazine
Concen: 43.897 ng
RT: 10.89 min Scan# 1497
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.8	8.0	48.0
215	47.5	28.7	68.7

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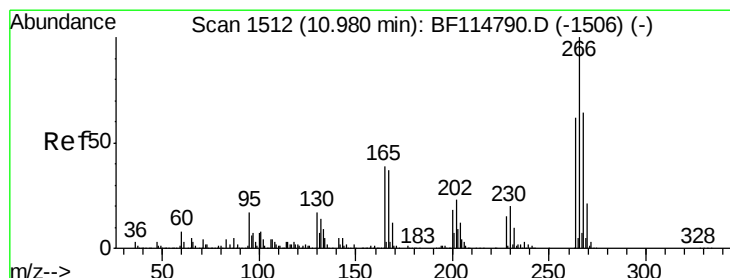
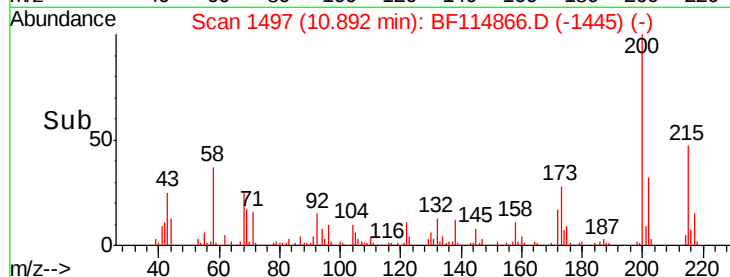
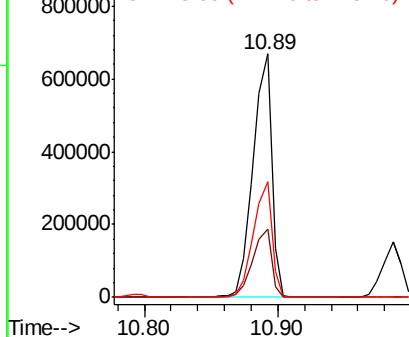


Abundance

Ion 200.00 (199.70 to 200.70): E

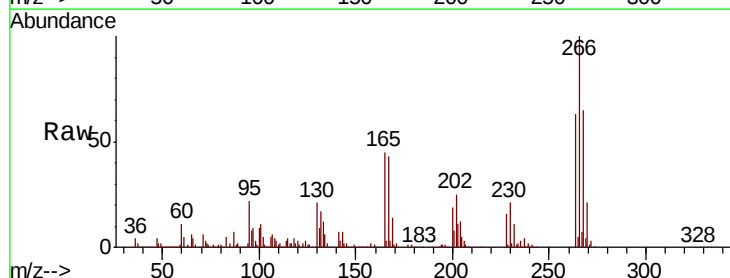
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 82.991 ng
RT: 10.99 min Scan# 1513
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.0	51.0	76.6
264	63.1	49.6	74.4

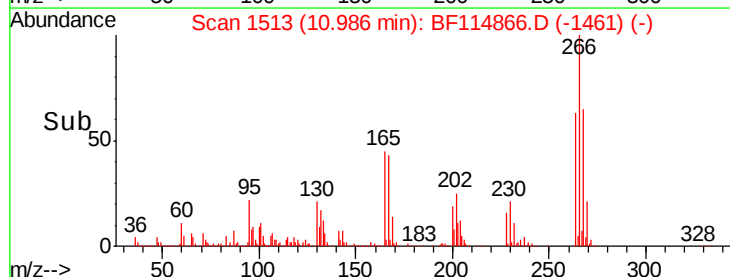
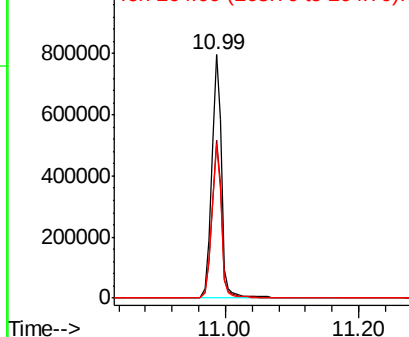


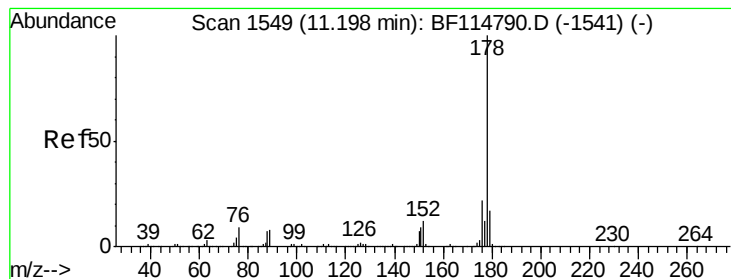
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 44.054 ng

RT: 11.20 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

ClientSampleId :

PB120321BS

Tot Ion:178 Resp: 2924505

Ion Ratio Lower Upper

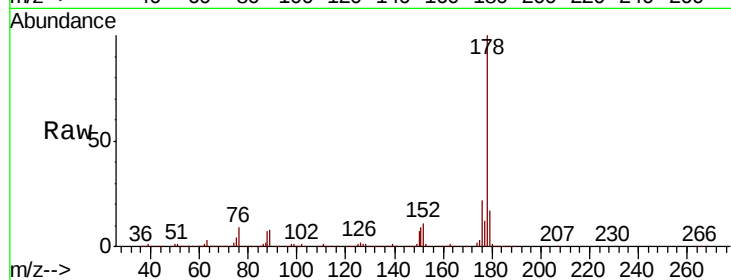
178 100

176 21.6 17.7 26.5

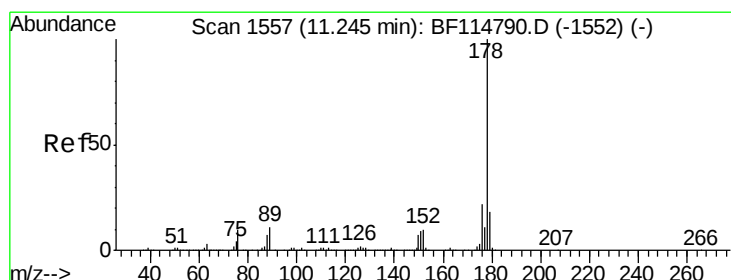
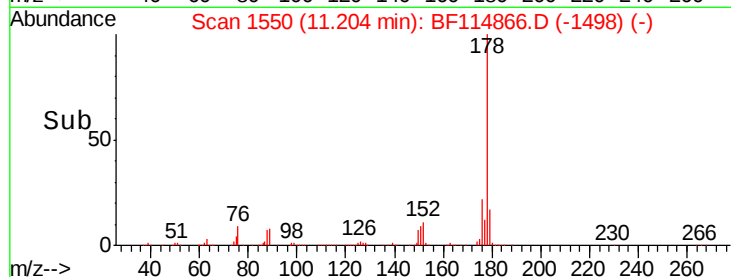
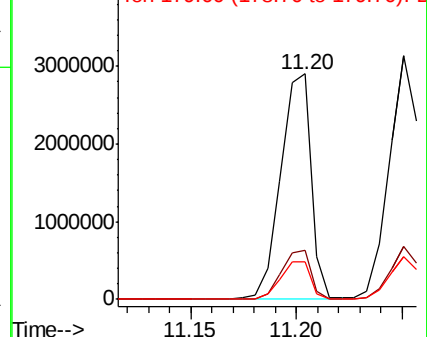
179 16.8 13.7 20.5

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 43.371 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

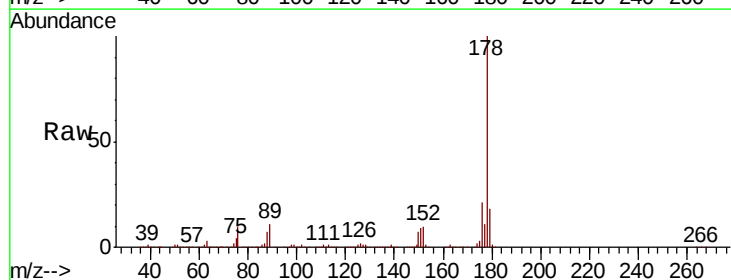
Tgt Ion:178 Resp: 3030048

Ion Ratio Lower Upper

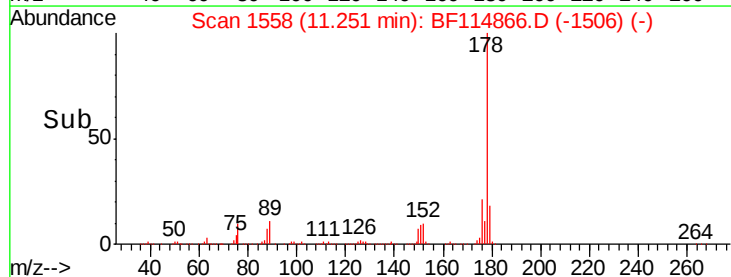
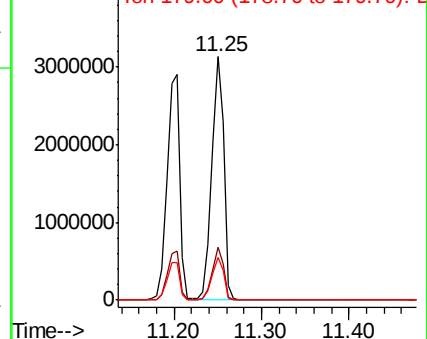
178 100

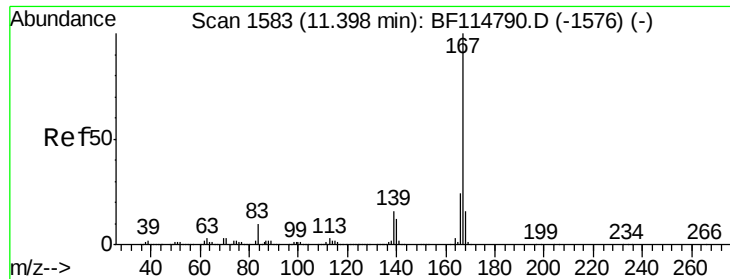
176 21.5 17.4 26.0

179 17.6 14.2 21.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





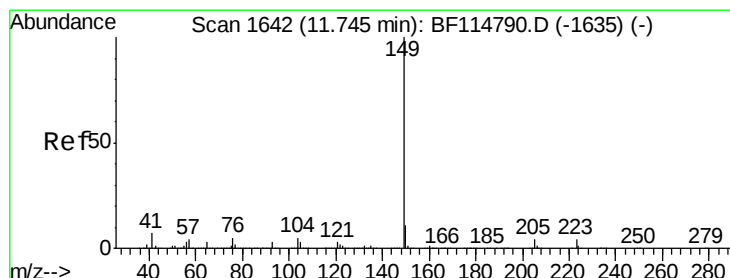
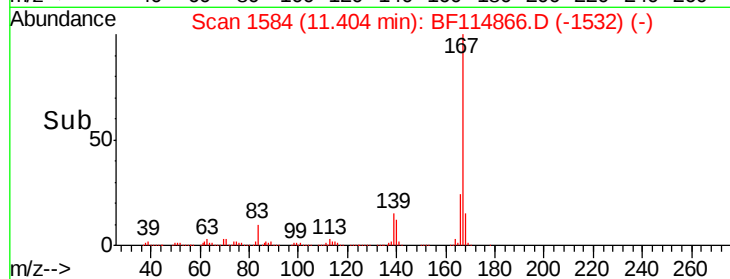
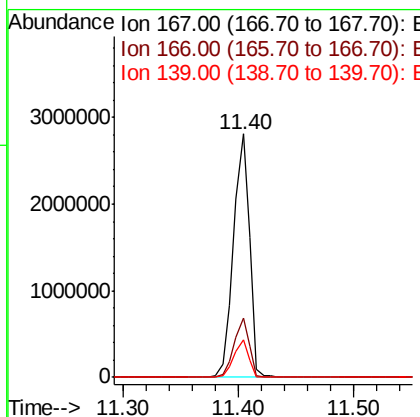
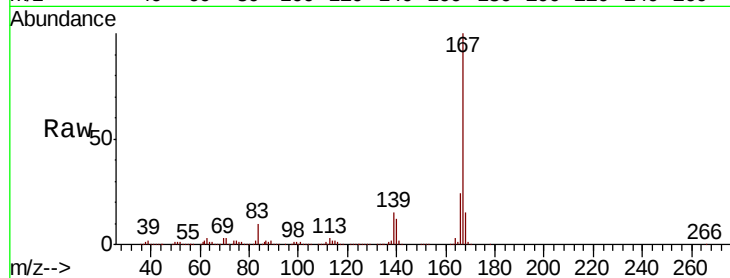
#73
 Carbazole
 Concen: 45.113 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: BF114866.D
 Acq: 6 Jun 2019 16:55

Instrument :
 BNA_F
 ClientSampleId :
 PB120321BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.2	19.1	28.7
139	15.4	12.4	18.6

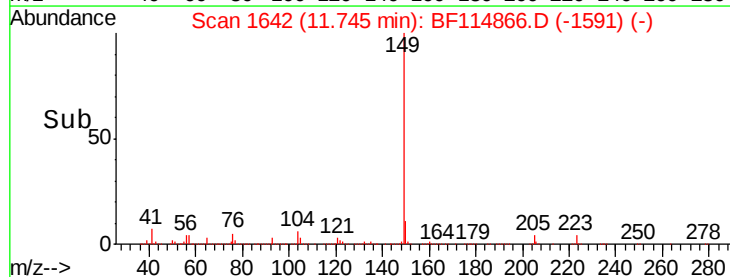
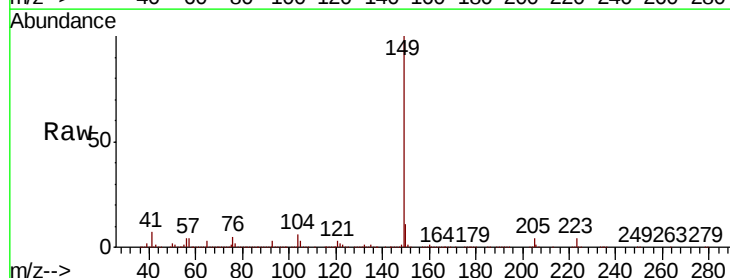
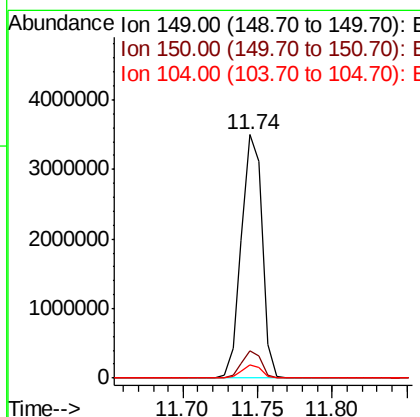
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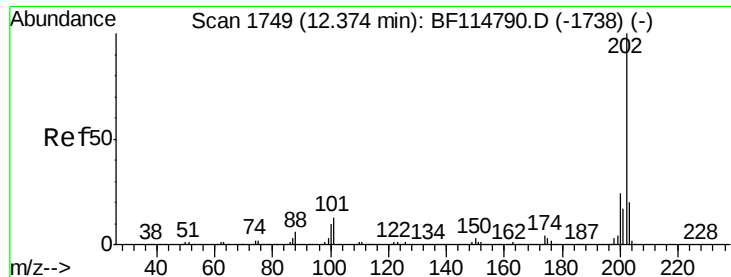
mohammad
 6/7/2019 2:11:33 PM



#74
 Di-n-butylphthalate
 Concen: 42.996 ng
 RT: 11.74 min Scan# 1642
 Delta R.T. 0.00 min
 Lab File: BF114866.D
 Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.0	8.9	13.3
104	5.6	4.3	6.5





#75

Fluoranthene

Concen: 41.726 ng

RT: 12.38 min Scan# 1750

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

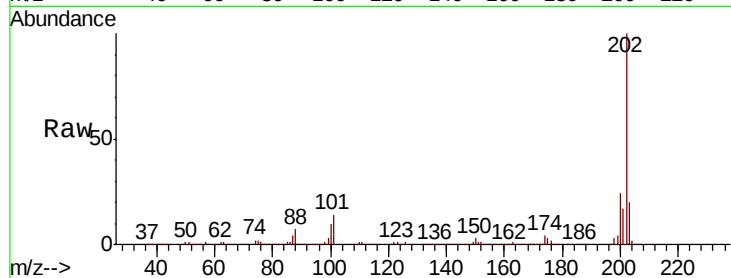
ClientSampleId :

PB120321BS

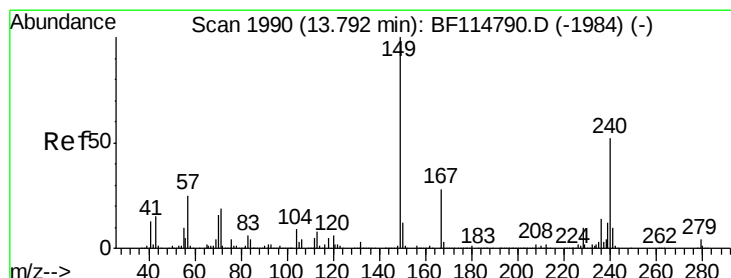
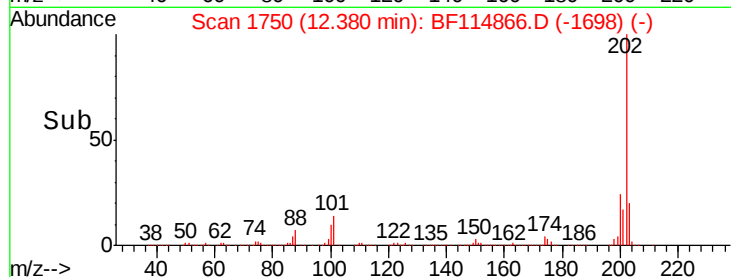
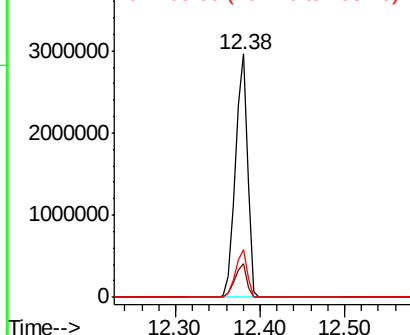
Tot Ion:	202	Resp:	2882970
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	32.8
203	19.7	0.2	40.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

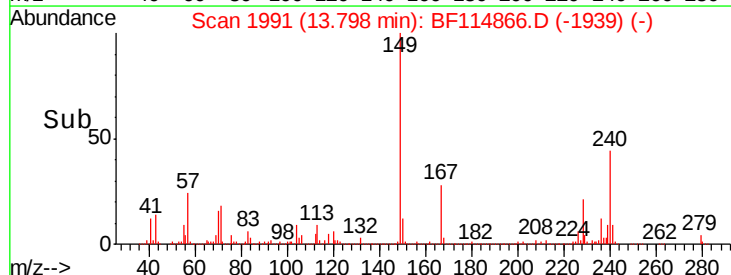
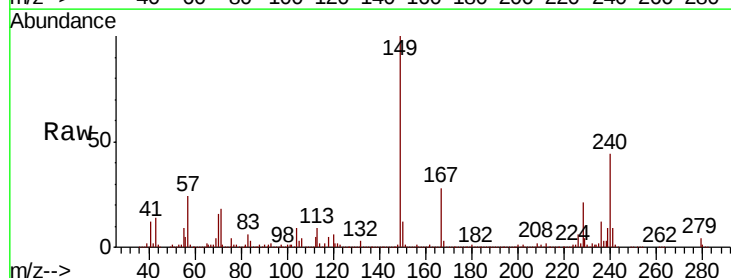
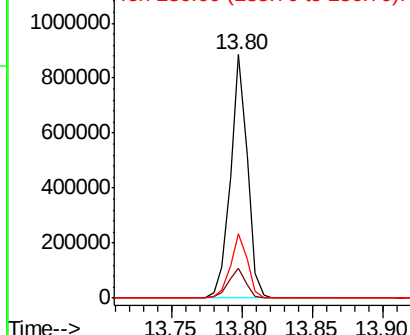
Delta R.T. 0.01 min

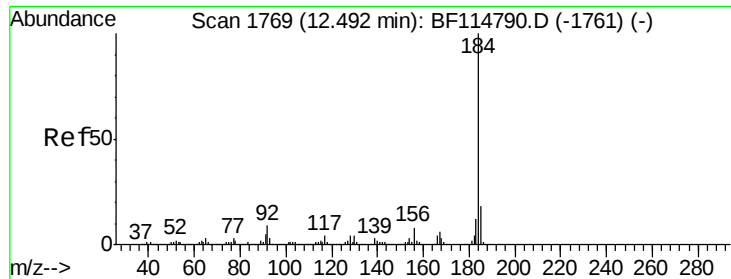
Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Tgt Ion:	240	Resp:	738670
Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.0	13.4
236	26.6	21.4	32.0

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 39.960 ng

RT: 12.50 min Scan# 1770

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

ClientSampleId :

PB120321BS

Tot Ion:184 Resp: 1461272

Ion Ratio Lower Upper

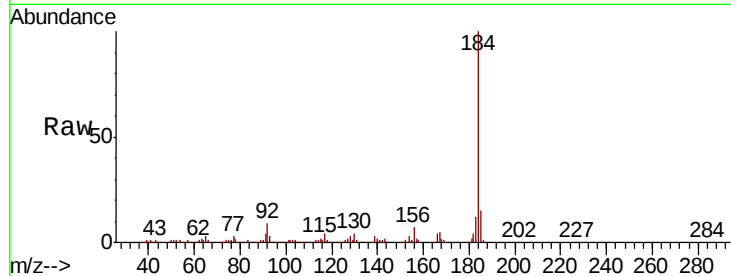
184 100

185 15.0 14.1 21.1

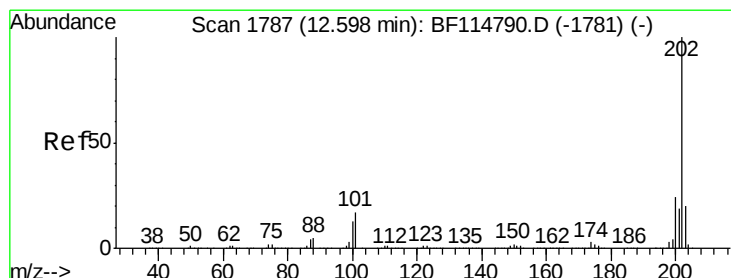
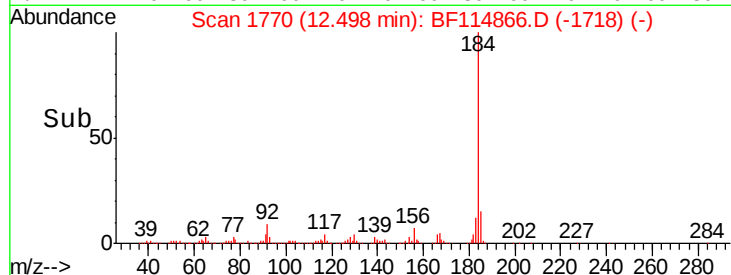
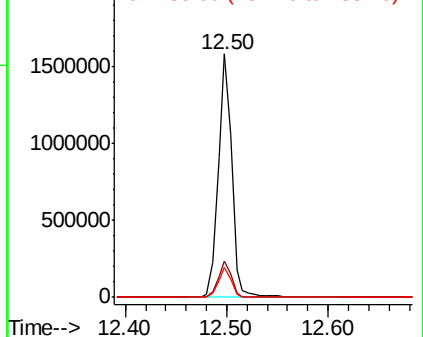
183 12.1 9.9 14.9

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 45.639 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

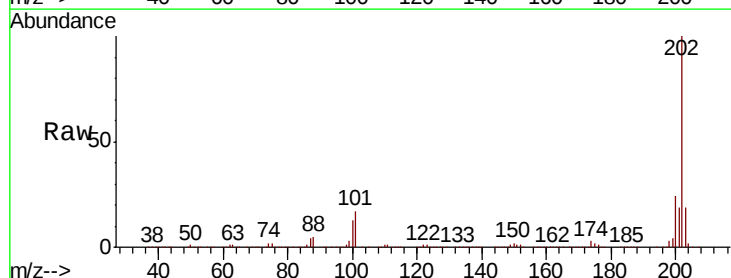
Tgt Ion:202 Resp: 2924558

Ion Ratio Lower Upper

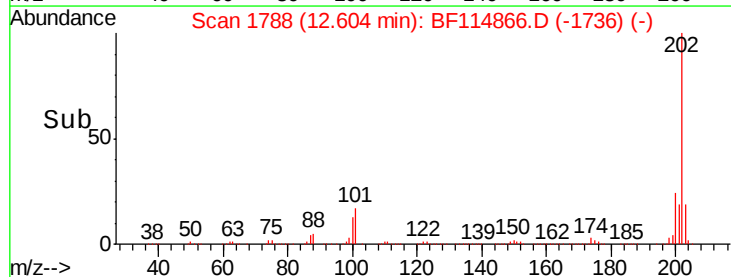
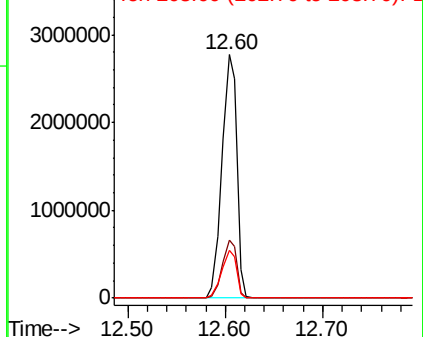
202 100

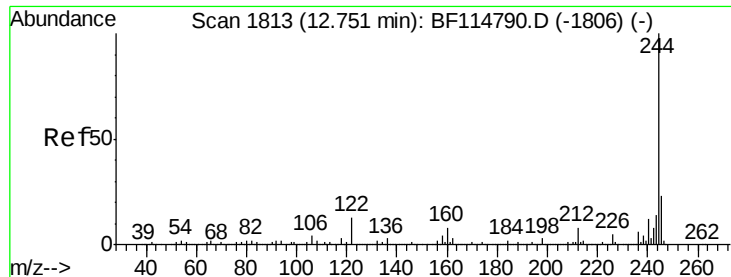
200 24.0 19.2 28.8

203 19.5 15.9 23.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





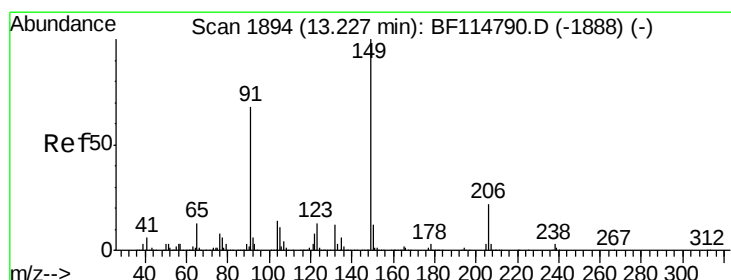
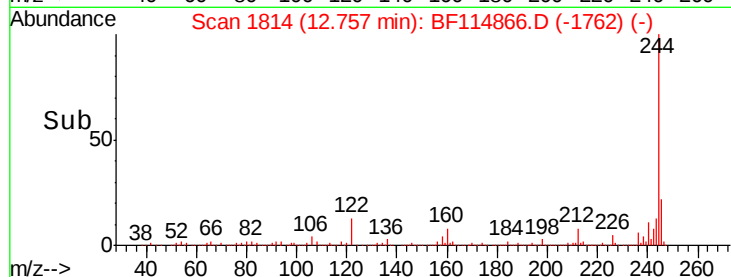
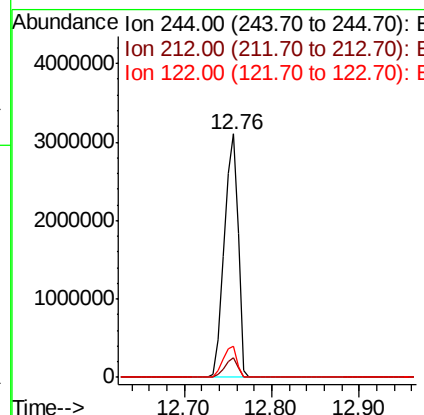
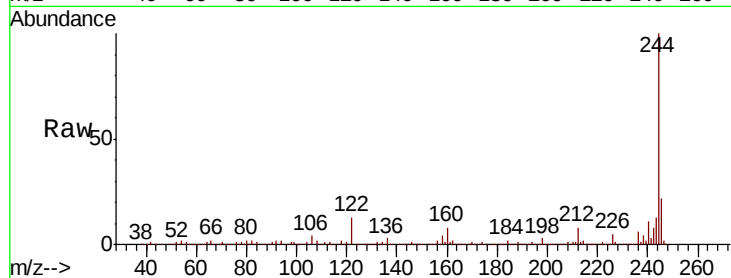
#79
 Terphenyl-d14
 Concen: 90.562 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: BF114866.D
 Acq: 6 Jun 2019 16:55

Instrument :
 BNA_F
 ClientSampleId :
 PB120321BS

Tot Ion:244 Resp: 3439776
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.5 9.7
 122 12.8 10.5 15.7

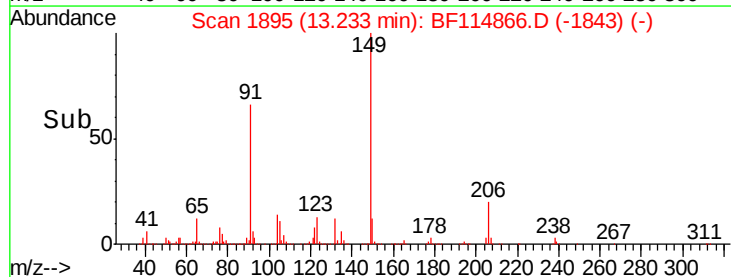
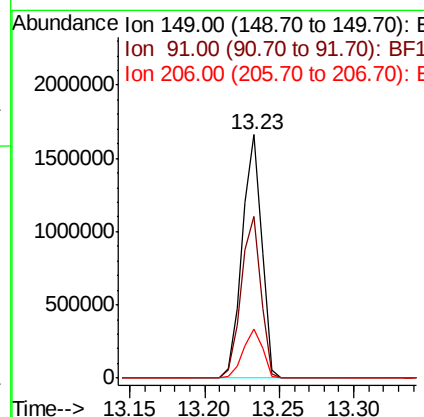
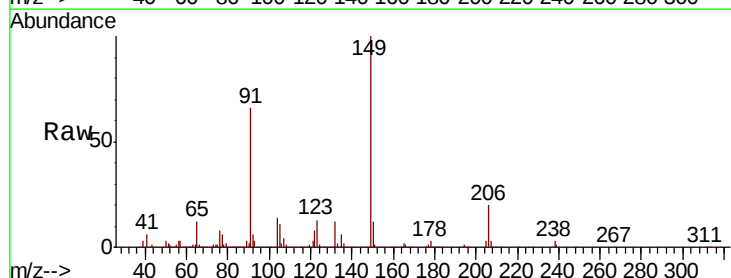
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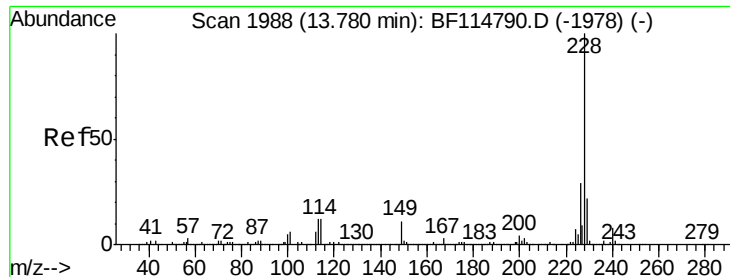
mohammad
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#80
 Butylbenzylphthalate
 Concen: 47.254 ng
 RT: 13.23 min Scan# 1895
 Delta R.T. 0.01 min
 Lab File: BF114866.D
 Acq: 6 Jun 2019 16:55

Tgt Ion:149 Resp: 1529101
 Ion Ratio Lower Upper
 149 100
 91 66.4 54.6 82.0
 206 20.4 17.2 25.8





#81

Benzo(a)anthracene

Concen: 42.999 ng

RT: 13.79 min Scan# 1989

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

ClientSampleId :

PB120321BS

Tot Ion:228 Resp: 2447600

Ion Ratio Lower Upper

228 100

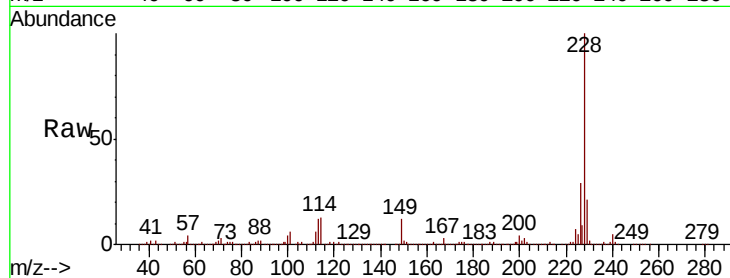
226 29.1 23.4 35.2

229 21.4 17.4 26.0

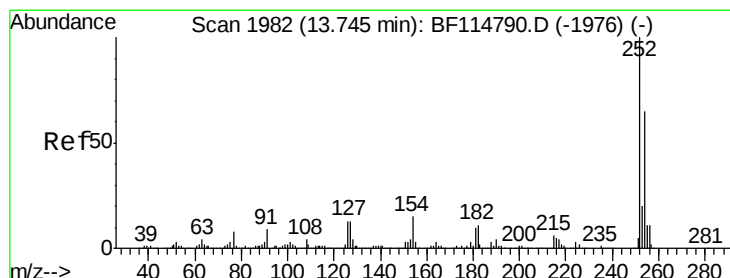
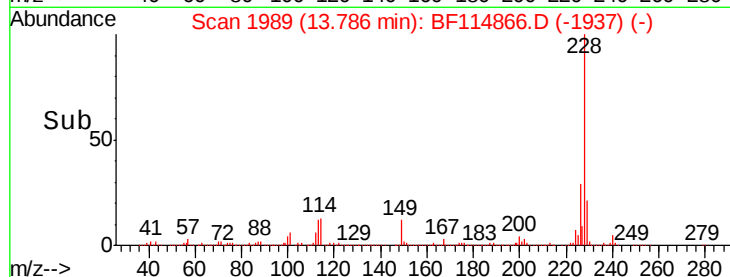
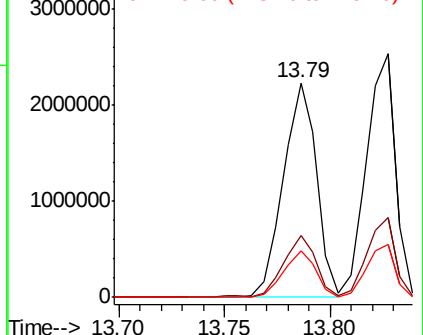
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 33.437 ng

RT: 13.75 min Scan# 1983

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

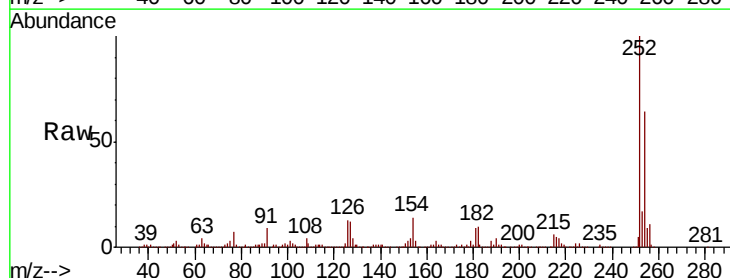
Tgt Ion:252 Resp: 771778

Ion Ratio Lower Upper

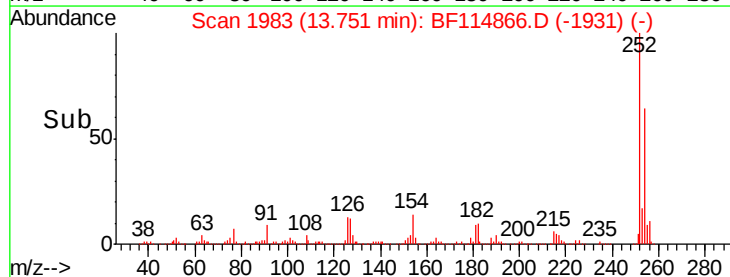
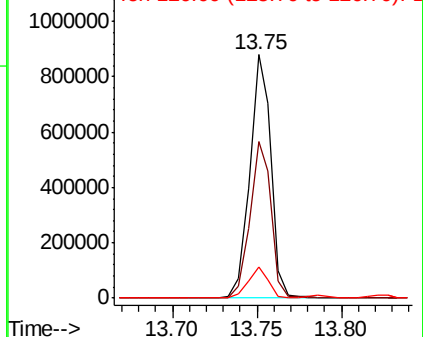
252 100

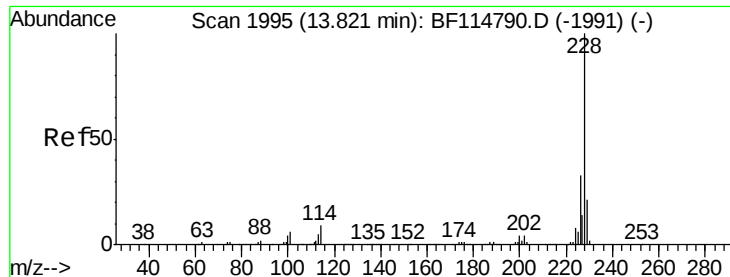
254 64.4 51.9 77.9

126 13.0 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





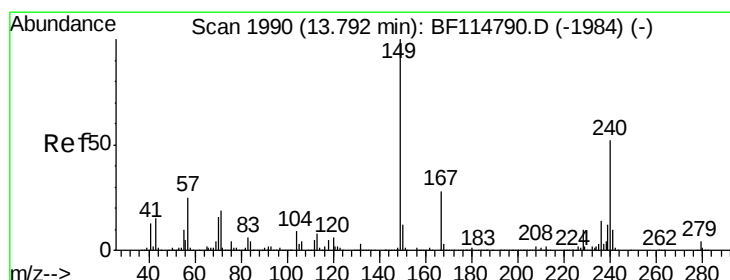
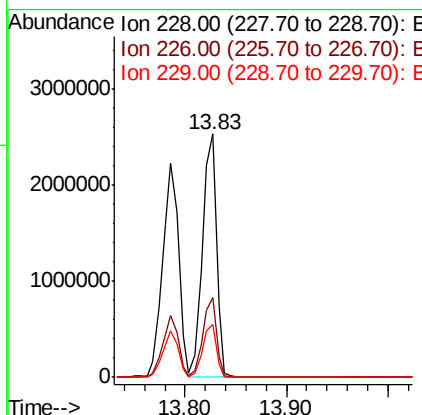
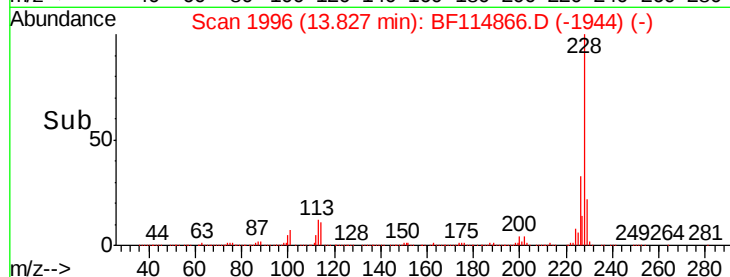
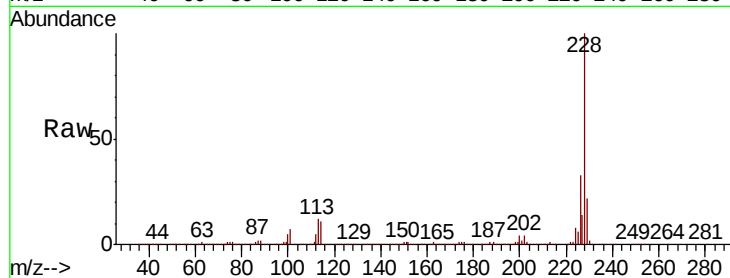
#83
Chrysene
Concen: 43.802 ng
RT: 13.83 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.0	26.0	39.0
229	21.5	17.1	25.7

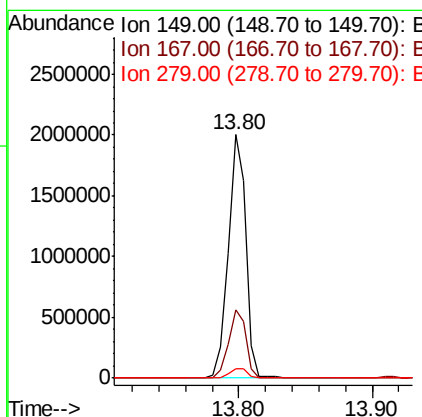
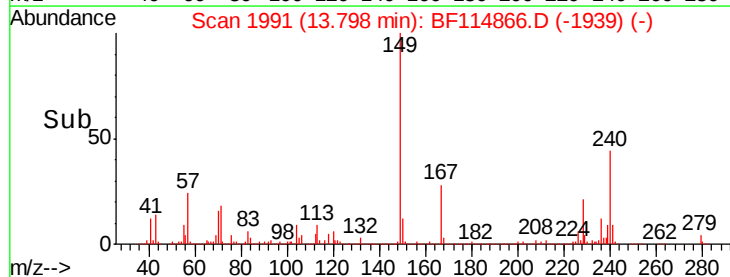
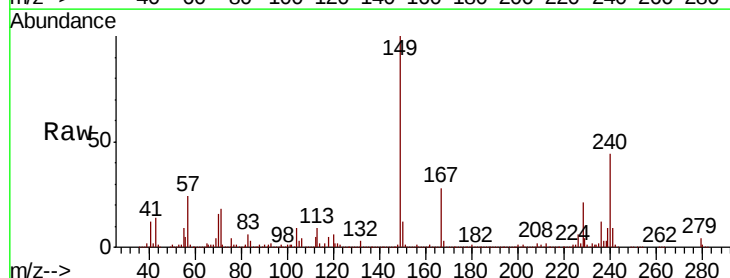
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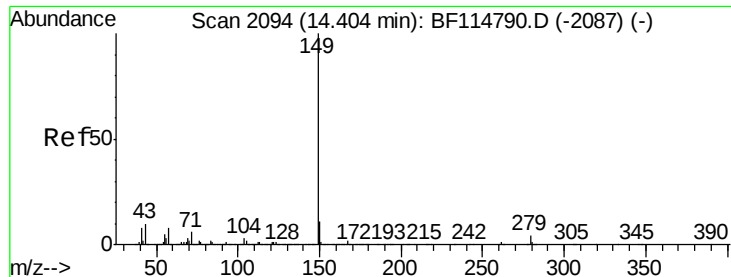
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 45.240 ng
RT: 13.80 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.7	34.1
279	4.0	3.1	4.7





#85

Di-n-octyl phthalate

Concen: 45.842 ng

RT: 14.40 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

Instrument :

BNA_F

ClientSampleId :

PB120321BS

Tot Ion:149 Resp: 3187269

Ion Ratio Lower Upper

149 100

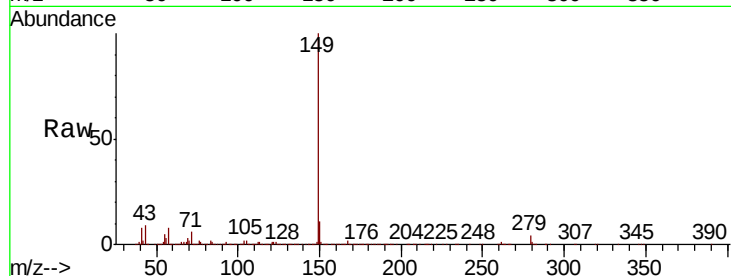
167 1.7 1.4 2.0

43 8.5 7.0 10.6

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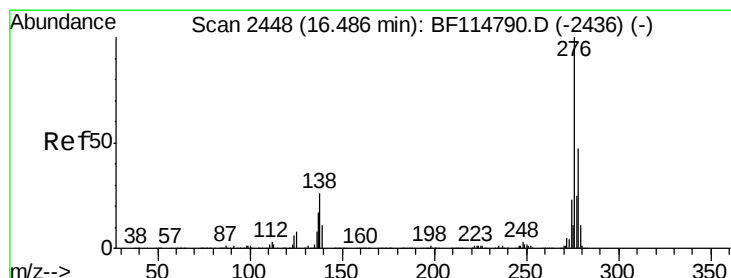
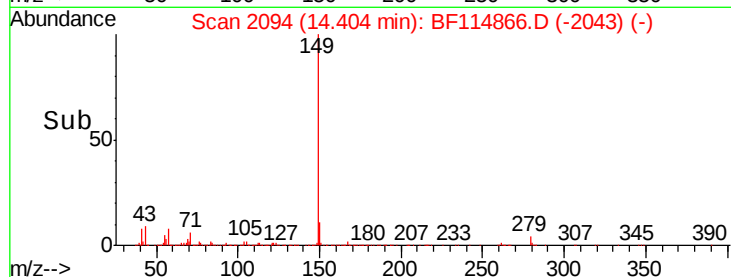
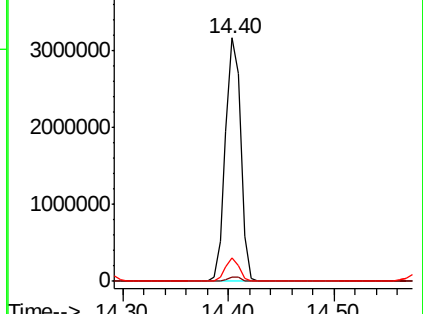
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 38.404 ng

RT: 16.49 min Scan# 2449

Delta R.T. 0.01 min

Lab File: BF114866.D

Acq: 6 Jun 2019 16:55

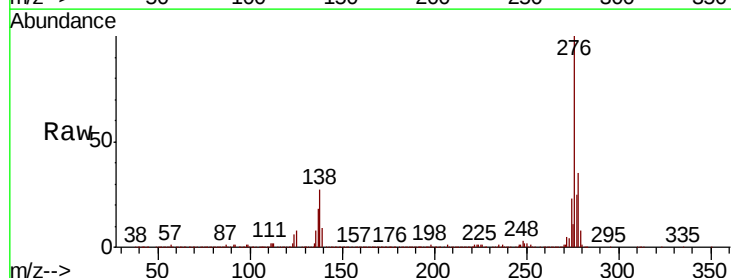
Tgt Ion:276 Resp: 2426426

Ion Ratio Lower Upper

276 100

138 28.9 22.2 33.4

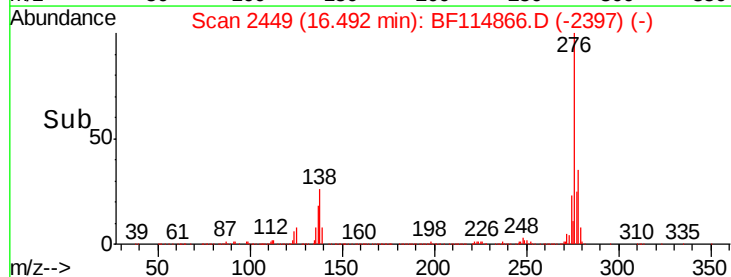
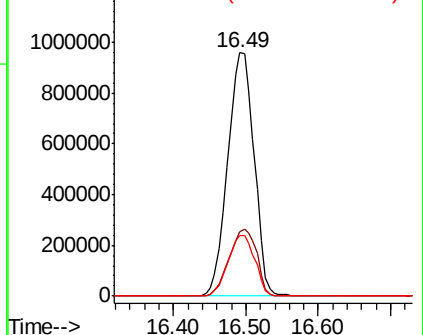
277 25.5 20.6 30.8

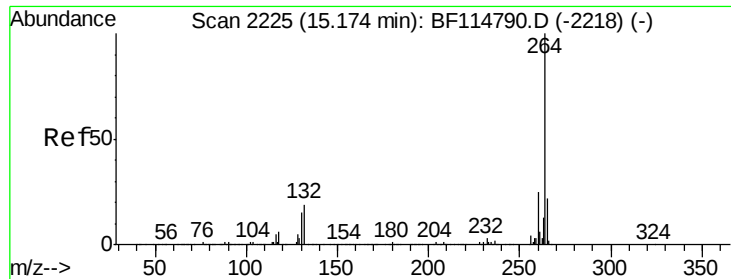


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





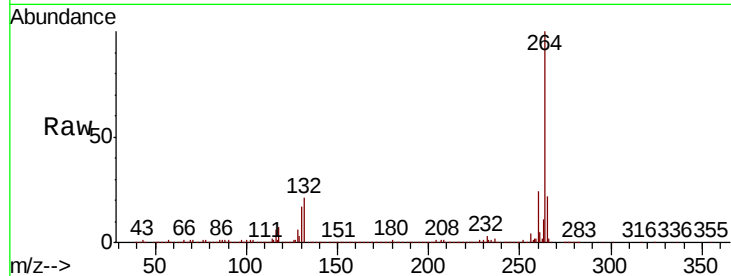
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.1	30.1
265	21.8	17.7	26.5

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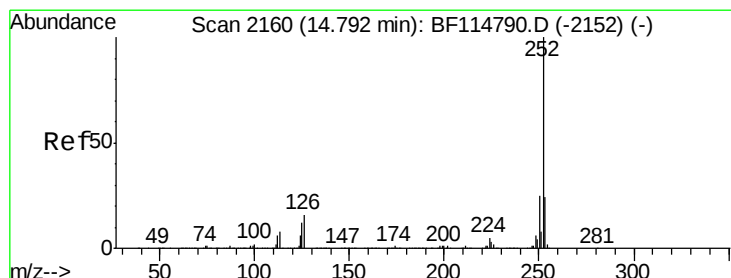
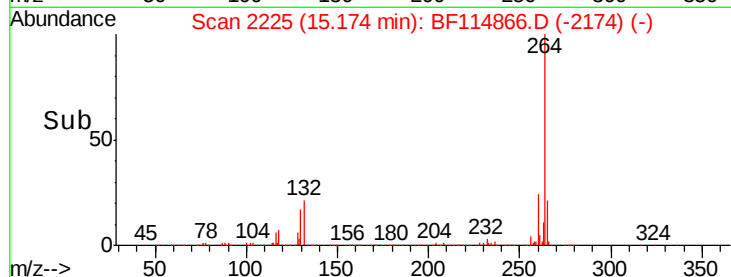
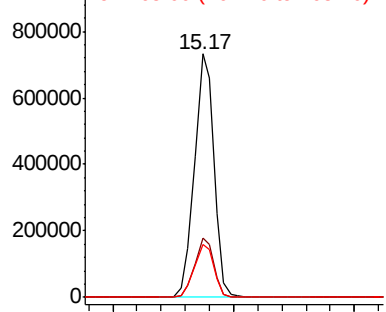


Abundance

Ion 264.00 (263.70 to 264.70): E

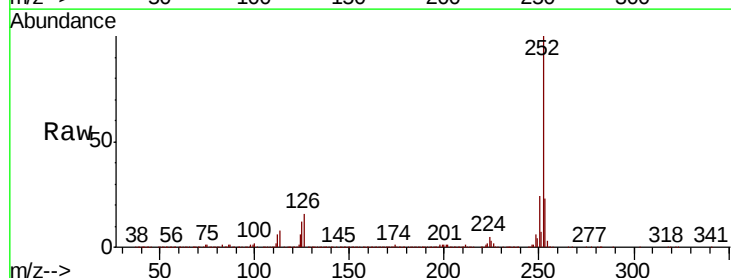
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 48.201 ng
RT: 14.79 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.0	28.6
125	12.4	9.4	14.0

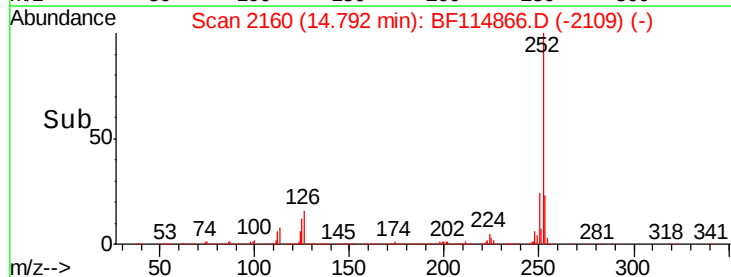
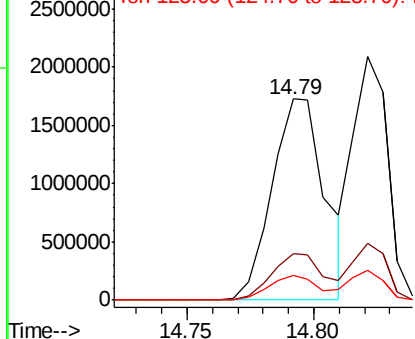


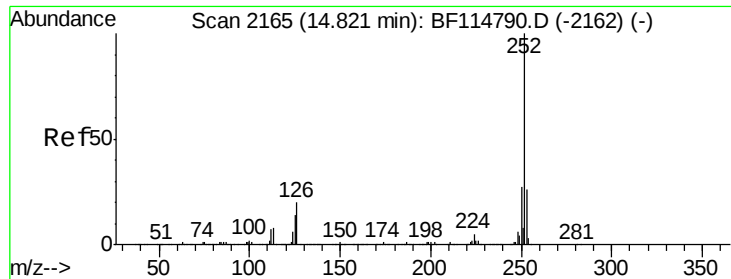
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





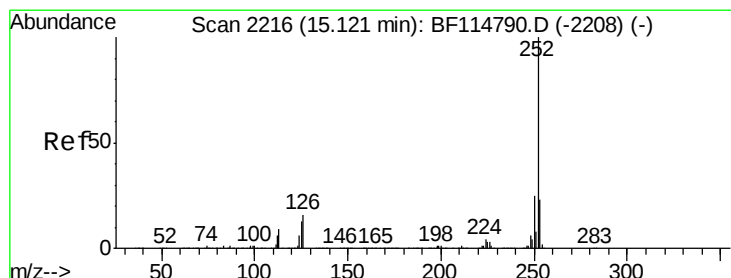
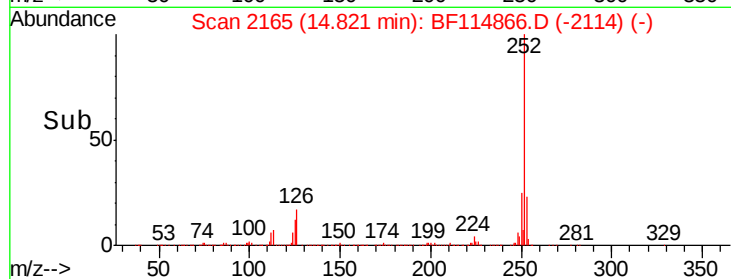
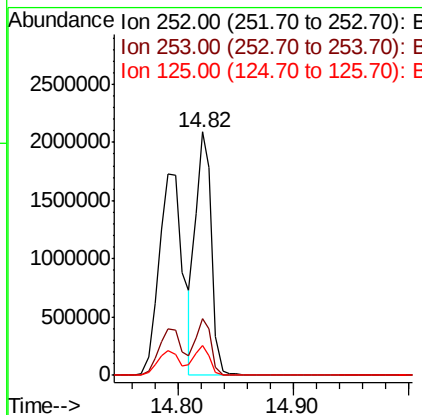
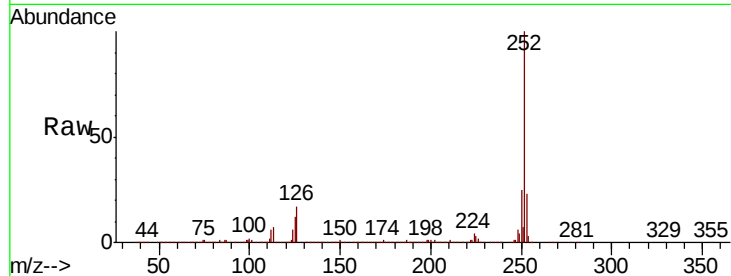
#89
Benzo(k)fluoranthene
Concen: 45.460 ng
RT: 14.82 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampled :
PB120321BS

Tot Ion:252 Resp: 2006761
Ion Ratio Lower Upper
252 100
253 23.2 19.3 28.9
125 12.1 10.1 15.1

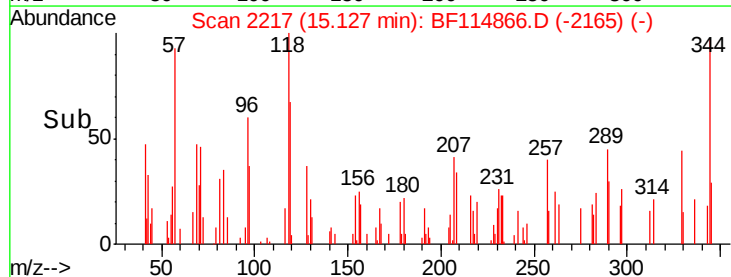
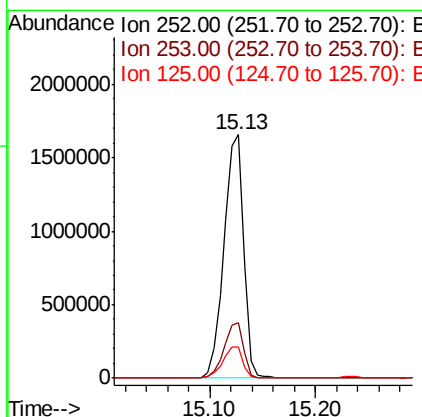
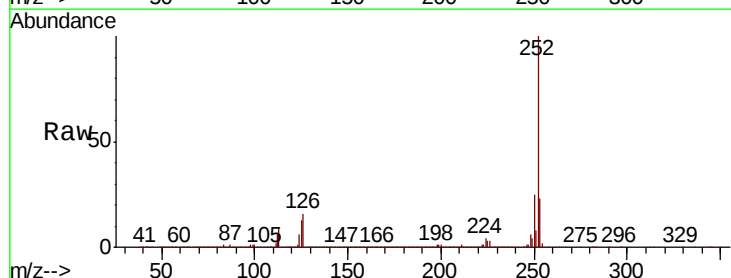
Manual Integrations
APPROVED

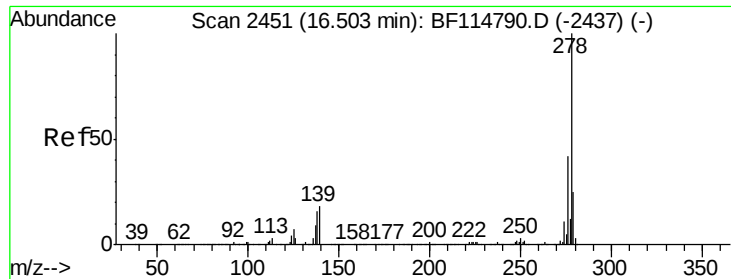
mohammad
6/7/2019 2:11:33 PM



#90
Benzo(a)pyrene
Concen: 47.571 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion:252 Resp: 2140304
Ion Ratio Lower Upper
252 100
253 23.0 18.5 27.7
125 12.6 10.1 15.1





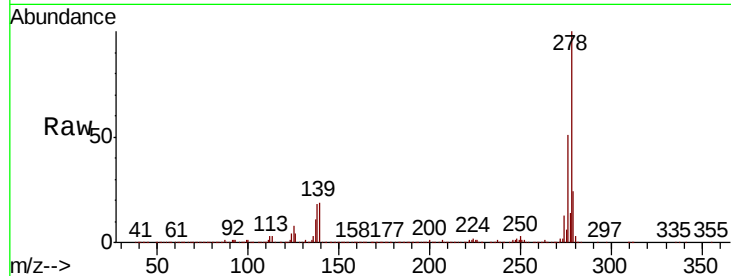
#91
Dibenzo(a,h)anthracene
Concen: 47.140 ng
RT: 16.51 min Scan# 2452
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Instrument :
BNA_F
ClientSampleId :
PB120321BS

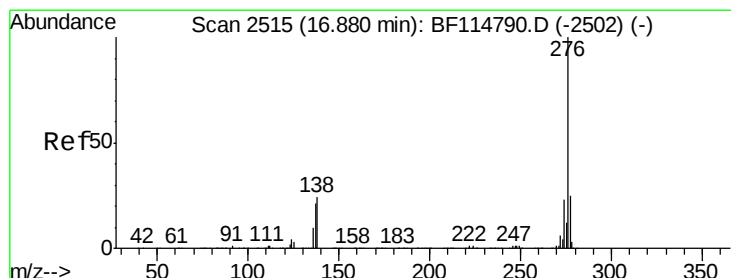
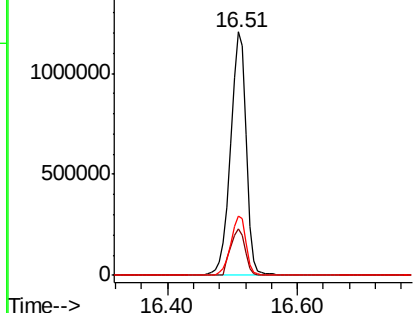
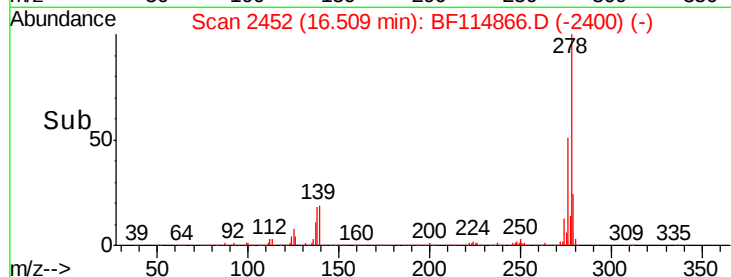
Tot Ion:278 Resp: 2008537
Ion Ratio Lower Upper
278 100
139 19.0 14.6 22.0
279 24.4 20.1 30.1

Manual Integrations
APPROVED

mohammad
6/7/2019 2:11:33 PM

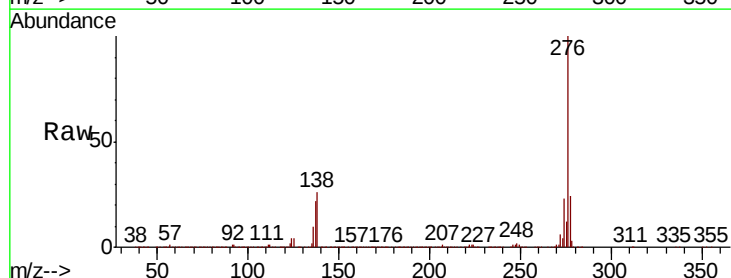


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 48.294 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.01 min
Lab File: BF114866.D
Acq: 6 Jun 2019 16:55

Tgt Ion:276 Resp: 2069260
Ion Ratio Lower Upper
276 100
277 24.3 19.8 29.6
138 25.5 19.4 29.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

