

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114657.D
 Acq On : 30 May 2019 13:34
 Operator : HP/JU
 Sample : PB118819BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB118819BS

Manual Integrations
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mohammad
 6/3/2019 8:47:05 AM

Quant Time: May 30 14:49:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 14:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	498435	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1983387	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	969105	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	1768932	20.00	ng	0.00
76) Chrysene-d12	13.82	240	1086179	20.00	ng	0.00
87) Perylene-d12	15.21	264	1171165	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	2890397	101.81	ng	0.03
7) Phenol-d6	6.34	99	3560706	104.08	ng	0.01
23) Nitrobenzene-d5	7.26	82	2539150	79.87	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	976215	105.72	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	4263251	73.09	ng	0.00
79) Terphenyl-d14	12.78	244	4238879	73.37	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	467464	34.313	ng	98
3) Pyridine	3.17	79	1291835	32.582	ng	98
4) n-Nitrosodimethylamine	3.12	42	533712	33.264	ng	96
6) Aniline	6.36	93	1167347	22.590	ng	95
8) 2-Chlorophenol	6.48	128	1180209	35.998	ng	96
9) Benzaldehyde	6.23	77	367463	18.826	ng	99
10) Phenol	6.35	94	1378372	33.353	ng	94
11) bis(2-Chloroethyl)ether	6.44	93	1106831	35.014	ng	96
12) 1,3-Dichlorobenzene	6.63	146	1269314	33.982	ng	96
13) 1,4-Dichlorobenzene	6.71	146	1270964	33.917	ng	98
14) 1,2-Dichlorobenzene	6.87	146	1174402	34.424	ng	100
15) Benzyl Alcohol	6.84	79	957271	35.573	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.98	45	1626887	33.555	ng	99
17) 2-Methylphenol	6.96	107	999001	36.026	ng	99
18) Hexachloroethane	7.21	117	481948	33.969	ng	97
19) n-Nitroso-di-n-propylamine	7.12	70	808349	34.232	ng	99
20) 3+4-Methylphenols	7.11	107	1111772	34.089	ng	# 87
22) Acetophenone	7.10	105	1568257	37.110	ng	97
24) Nitrobenzene	7.27	77	1206228	35.719	ng	98
25) Isophorone	7.52	82	2253517	35.322	ng	100
26) 2-Nitrophenol	7.59	139	633344	38.529	ng	99
27) 2,4-Dimethylphenol	7.64	122	1101630	40.296	ng	97
28) bis(2-Chloroethoxy)methane	7.73	93	1418089	34.917	ng	99
29) 2,4-Dichlorophenol	7.83	162	1023175	36.770	ng	98
30) 1,2,4-Trichlorobenzene	7.92	180	1132288	35.716	ng	100
31) Naphthalene	8.00	128	3253628	35.614	ng	99
32) Benzoic acid	7.77	122	764500	43.054	ng	98
33) 4-Chloroaniline	8.05	127	790352	18.158	ng	98
34) Hexachlorobutadiene	8.13	225	615759	34.963	ng	99
35) Caprolactam	8.42	113	310795m	33.096	ng	
36) 4-Chloro-3-methylphenol	8.53	107	1023675	36.683	ng	96
37) 2-Methylnaphthalene	8.69	142	2263694	37.293	ng	98
38) 1-Methylnaphthalene	8.79	142	2159130	37.543	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	929696	36.024	ng	99

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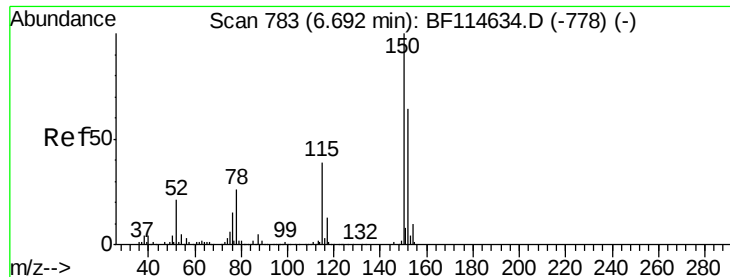
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	1081220	63.398	nq	98
43) 2,4,6-Trichlorophenol	8.96	196	748575	36.863	nq	99
44) 2,4,5-Trichlorophenol	9.00	196	736327	36.337	nq	99
46) 1,1'-Biphenyl	9.15	154	2580550	35.872	nq	100
47) 2-Chloronaphthalene	9.17	162	2106878	35.704	nq	100
48) 2-Nitroaniline	9.26	65	613282	33.678	nq	99
49) Acenaphthylene	9.59	152	3150001	34.553	nq	98
50) Dimethylphthalate	9.46	163	2331679	34.529	nq	100
51) 2,6-Dinitrotoluene	9.51	165	565218	36.021	nq	98
52) Acenaphthene	9.76	154	2170590	38.824	nq	99
53) 3-Nitroaniline	9.67	138	407034	21.195	nq	97
54) 2,4-Dinitrophenol	9.78	184	506577	81.847	nq	97
55) Dibenzofuran	9.93	168	2779182	34.922	nq	98
56) 4-Nitrophenol	9.84	139	980774	68.916	nq	95
57) 2,4-Dinitrotoluene	9.91	165	747526	37.120	nq	92
58) Fluorene	10.27	166	1906174	35.474	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.05	232	617776	37.245	nq	100
60) Diethylphthalate	10.16	149	2345115	34.002	nq	99
61) 4-Chlorophenyl-phenylether	10.26	204	952180	35.417	nq	99
62) 4-Nitroaniline	10.29	138	579546	30.969	nq	98
63) Azobenzene	10.42	77	2174032	34.333	nq	99
65) 4,6-Dinitro-2-methylphenol	10.32	198	307631	39.220	nq	81
66) n-Nitrosodiphenylamine	10.38	169	1923472	36.803	nq	99
67) 4-Bromophenyl-phenylether	10.75	248	680497	35.873	nq	99
68) Hexachlorobenzene	10.82	284	729112	35.486	nq	98
69) Atrazine	10.91	200	589840	35.820	nq	99
70) Pentachlorophenol	11.00	266	826499	69.783	nq	98
71) Phenanthrene	11.22	178	2988434	33.118	nq	99
72) Anthracene	11.27	178	3069309	33.608	nq	98
73) Carbazole	11.42	167	2765170	34.451	nq	100
74) Di-n-butylphthalate	11.77	149	3298652	33.825	nq	99
75) Fluoranthene	12.40	202	3071625	32.874	nq	99
77) Benzidine	12.52	184	1119228	25.024	nq	99
78) Pyrene	12.63	202	3093844	33.672	nq	99
80) Butylbenzylphthalate	13.26	149	1526281	33.053	nq	100
81) Benzo(a)anthracene	13.81	228	2776689	33.266	nq	99
82) 3,3'-Dichlorobenzidine	13.77	252	885992	27.486	nq	100
83) Chrysene	13.84	228	2695563	33.801	nq	100
84) Bis(2-ethylhexyl)phthalate	13.82	149	1852704	32.454	nq	100
85) Di-n-octyl phthalate	14.43	149	3297807	33.248	nq	99
86) Indeno(1,2,3-cd)pyrene	16.53	276	2747354	34.397	nq	99
88) Benzo(b)fluoranthene	14.82	252	3088665	41.872	nq	99
89) Benzo(k)fluoranthene	14.85	252	2380798	37.134	nq	99
90) Benzo(a)pyrene	15.16	252	2653405	40.947	nq	98
91) Dibenzo(a,h)anthracene	16.55	278	2269430	39.632	nq	99
92) Benzo(g,h,i)perylene	16.93	276	2238988	40.286	nq	99

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



#1

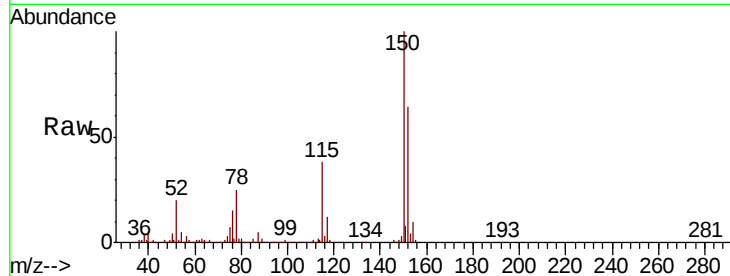
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
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ClientSampleId :
PB118819BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.4	186.6
115	60.3	48.7	73.1

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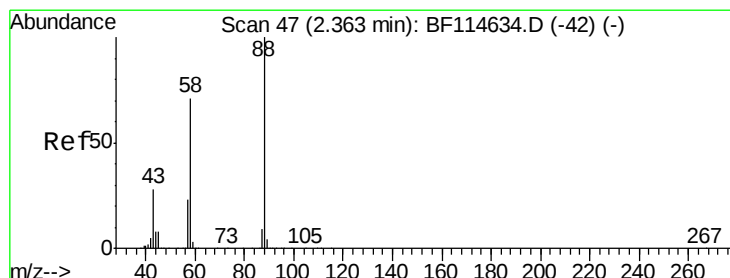
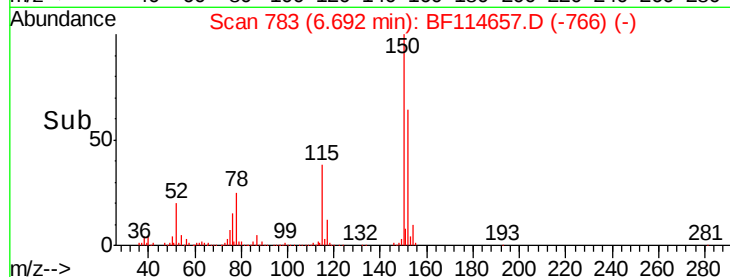
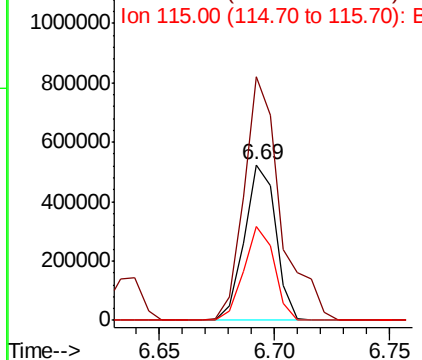


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

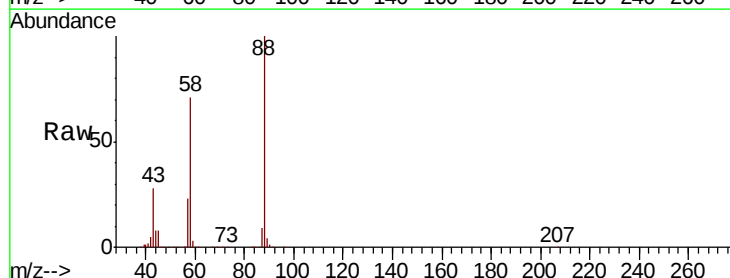
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 34.313 ng
RT: 2.49 min Scan# 69
Delta R.T. 0.13 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.0	57.2	85.8
43	26.9	22.6	33.8

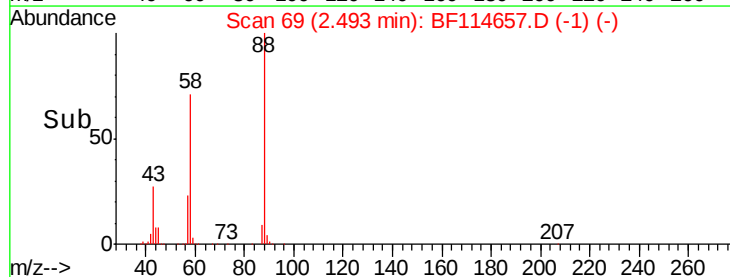
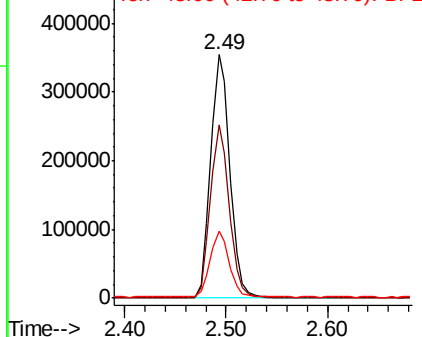


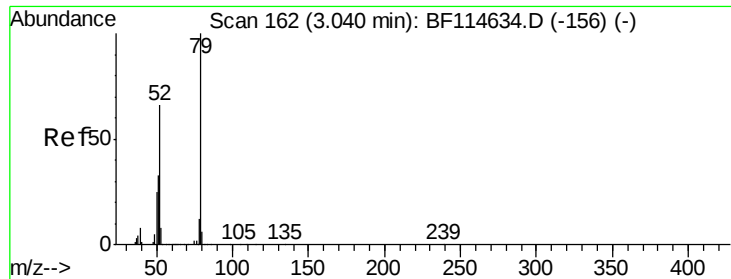
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 32.582 ng

RT: 3.17 min Scan# 184

Delta R.T. 0.13 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

ClientSampleId :

PB118819BS

Tot Ion: 79 Resp: 1291835

Ion Ratio Lower Upper

79 100

52 64.4 52.8 79.2

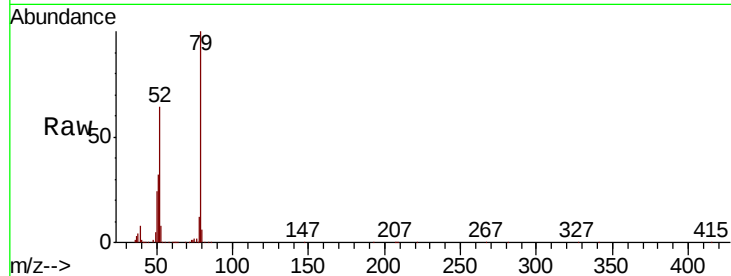
51 32.0 26.3 39.5

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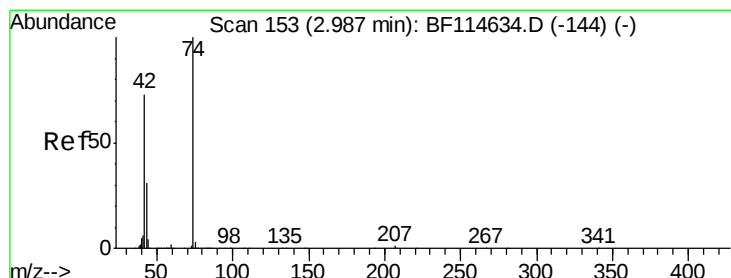
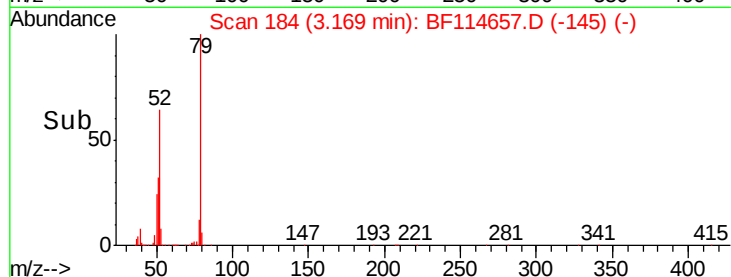
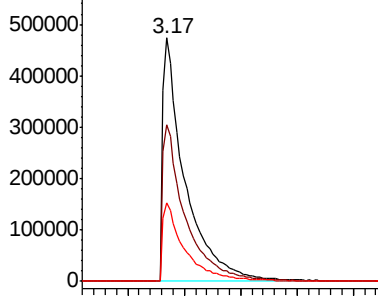
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Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 33.264 ng

RT: 3.12 min Scan# 175

Delta R.T. 0.13 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Tgt Ion: 42 Resp: 533712

Ion Ratio Lower Upper

42 100

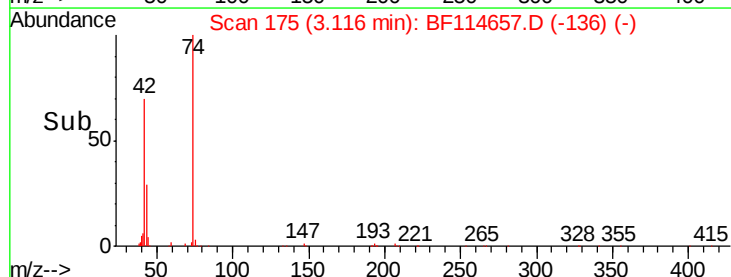
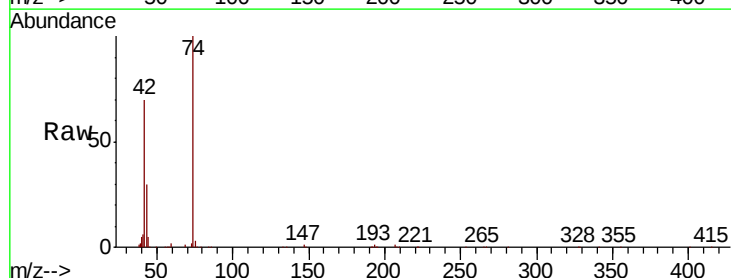
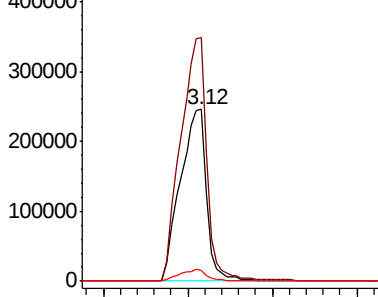
74 141.9 110.0 165.0

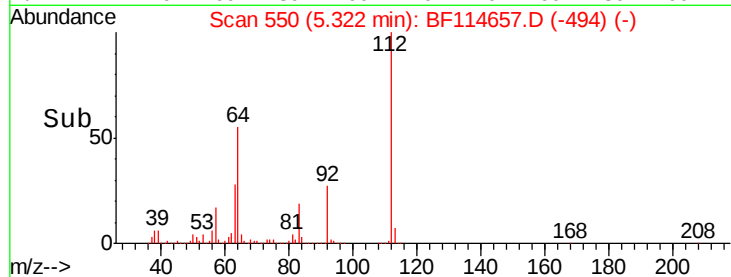
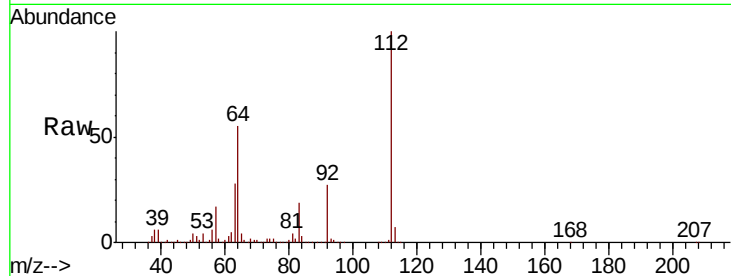
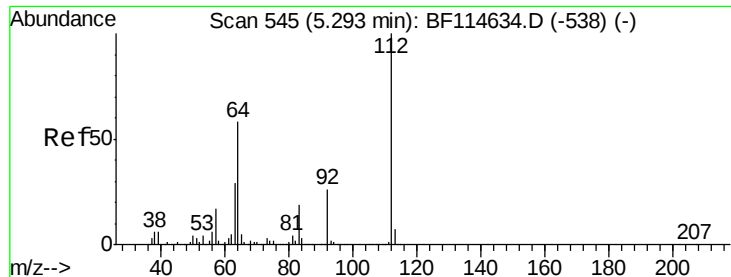
44 6.5 5.6 8.4

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: 101.813 ng

RT: 5.32 min Scan# 550

Delta R.T. 0.03 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Tot Ion:	112	Resp:	2890397
Ion	Ratio	Lower	Upper
112	100		
64	54.9	46.1	69.1
63	28.5	23.4	35.2

Instrument :

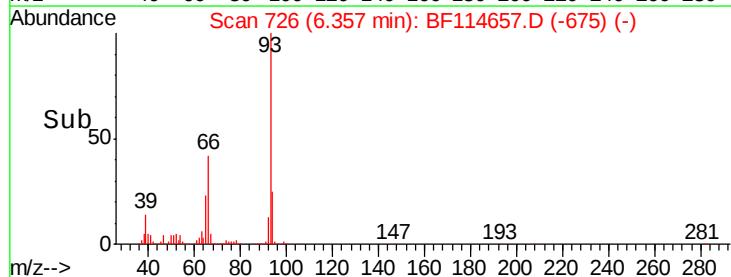
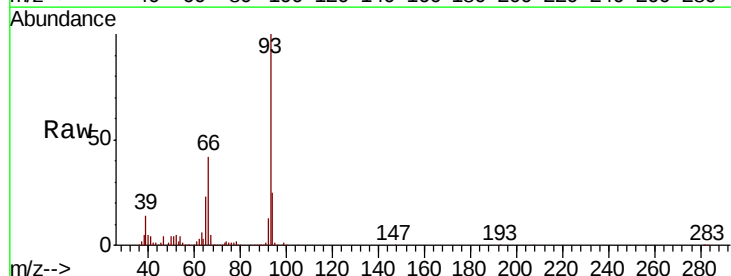
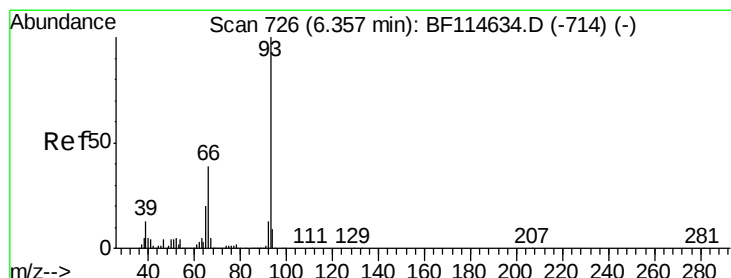
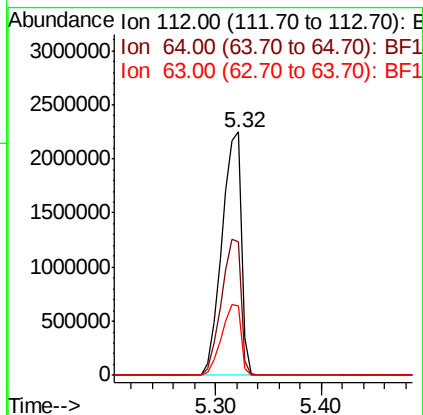
BNA_F

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#6

Aniline

Concen: 22.590 ng

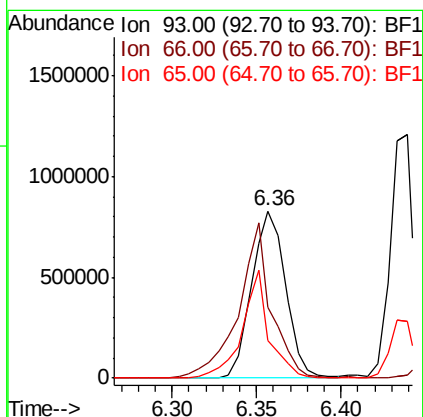
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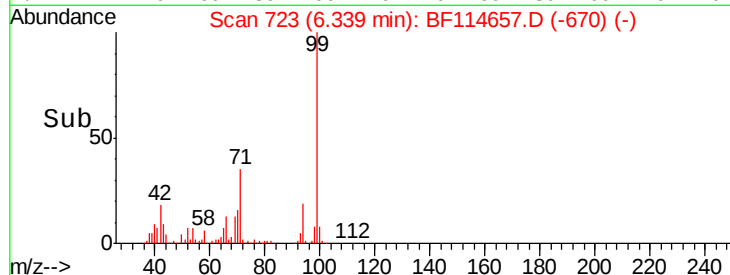
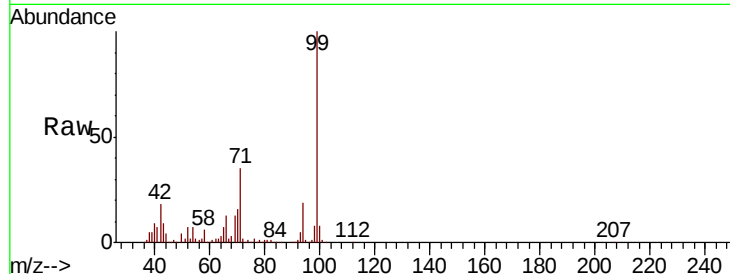
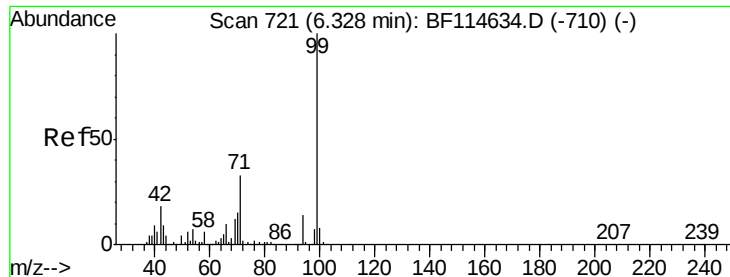
Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Tgt Ion:	93	Resp:	1167347
Ion	Ratio	Lower	Upper
93	100		
66	42.2	31.4	47.2
65	22.8	16.2	24.2





#7

Phenol-d6

Concen: 104.083 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Tot Ion:	99	Resp:	3560706
Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.7	22.1
71	34.9	26.6	40.0

Instrument :

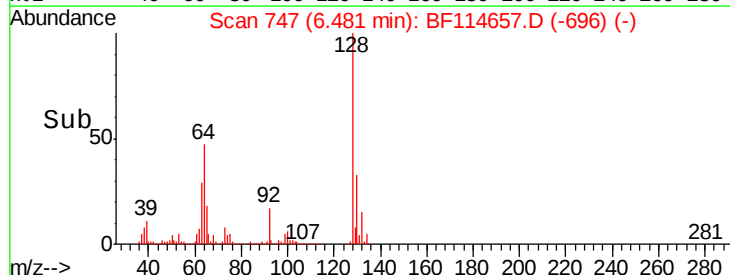
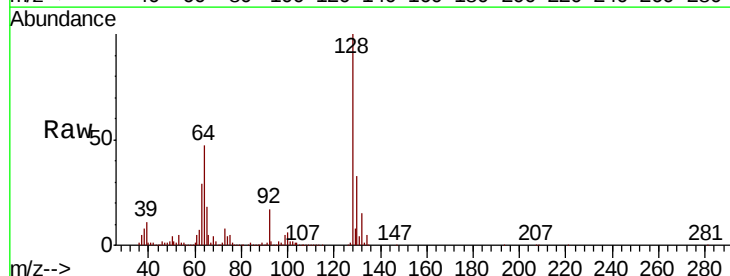
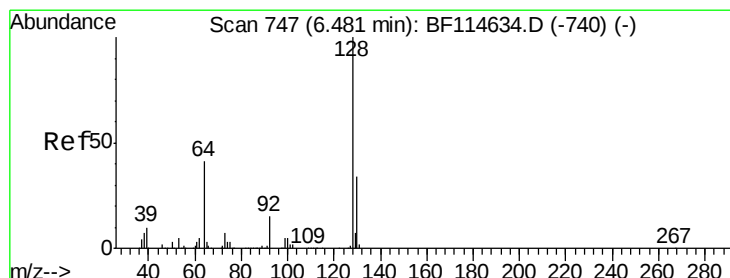
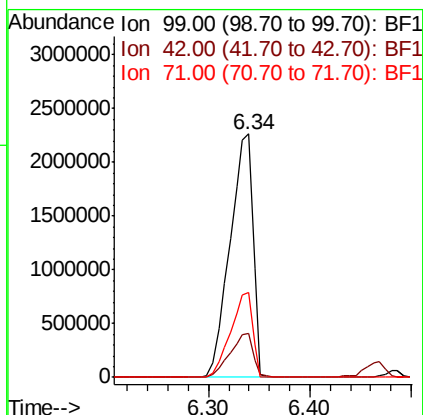
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#8

2-Chlorophenol

Concen: 35.998 ng

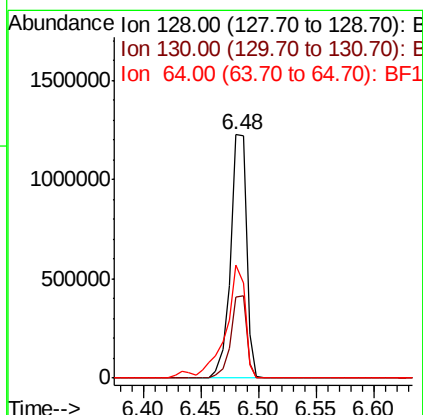
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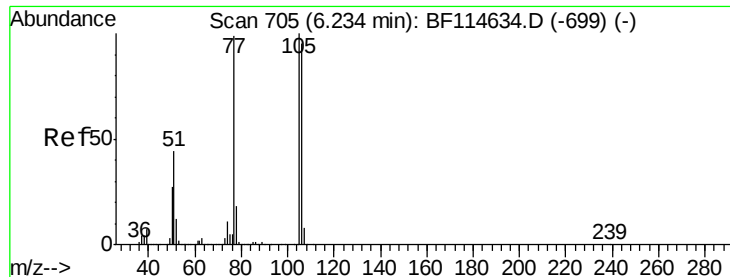
Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Tgt Ion:	128	Resp:	1180209
Ion	Ratio	Lower	Upper
128	100		
130	33.4	13.9	53.9
64	46.6	22.0	62.0





#9

Benzaldehyde

Concen: 18.826 ng

RT: 6.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

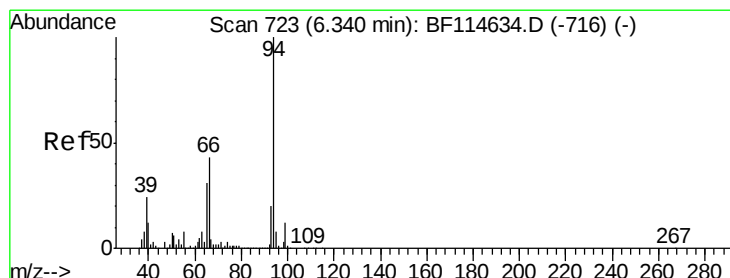
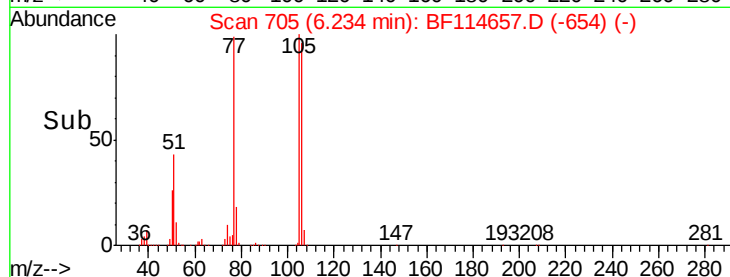
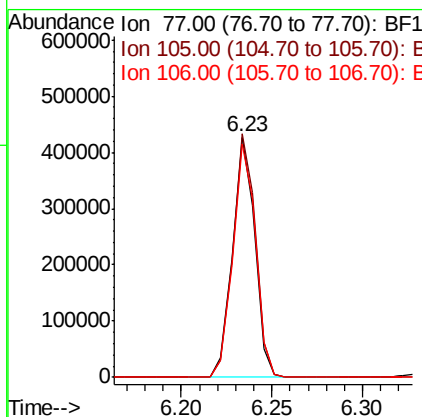
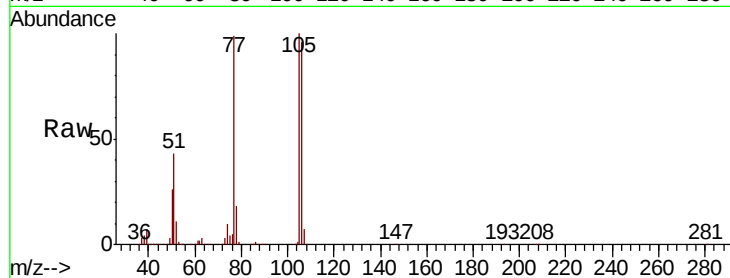
ClientSampleId :

PB118819BS

Tot Ion:	77	Resp:	367463
Ion Ratio	Lower	Upper	
77	100		
105	101.4	80.8	120.8
106	97.3	76.2	116.2

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#10

Phenol

Concen: 33.353 ng

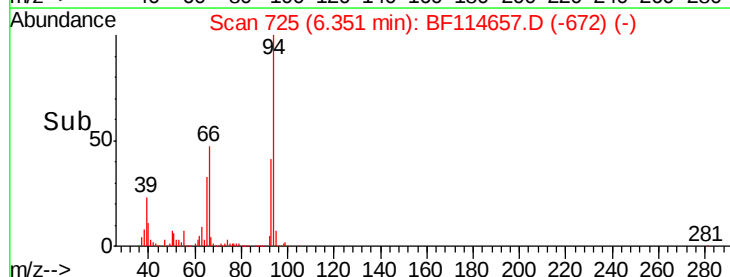
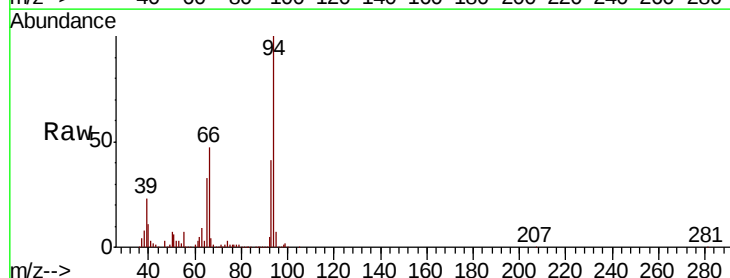
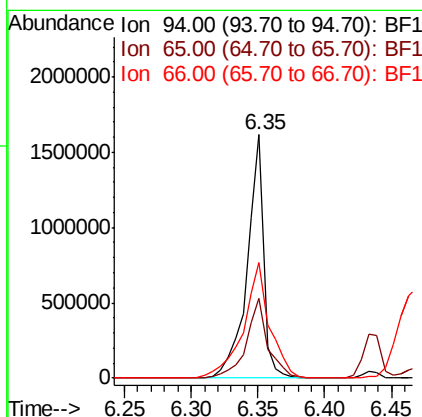
RT: 6.35 min Scan# 725

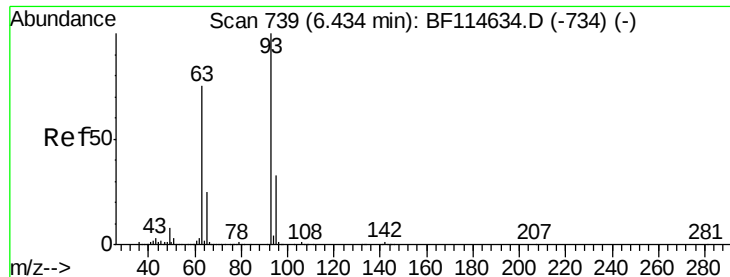
Delta R.T. 0.01 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Tgt Ion:	94	Resp:	1378372
Ion Ratio	Lower	Upper	
94	100		
65	32.9	11.0	51.0
66	47.5	23.0	63.0





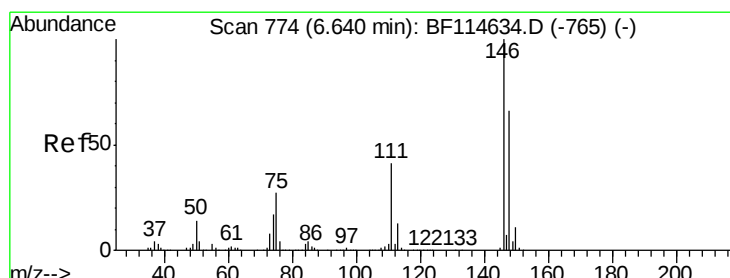
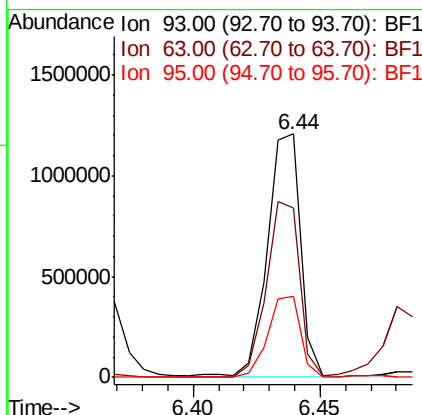
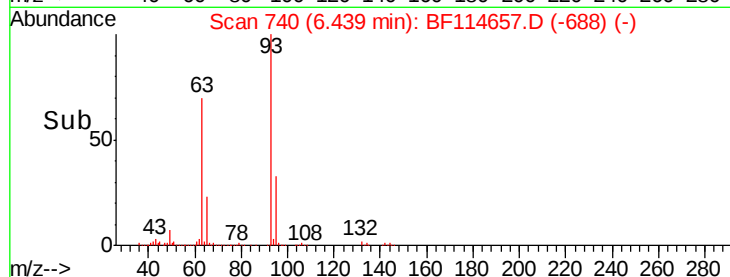
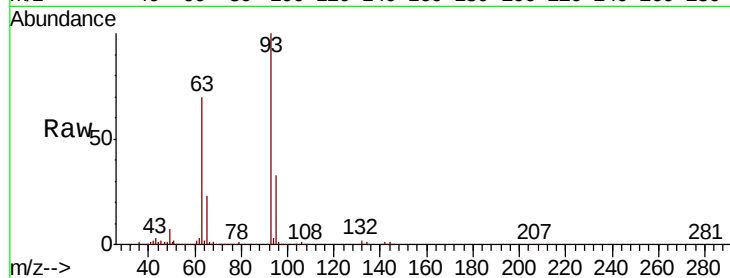
#11
bis(2-Chloroethyl)ether
Concen: 35.014 ng
RT: 6.44 min Scan# 740
Delta R.T. 0.01 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	69.6	55.0	95.0
95	33.4	13.5	53.5

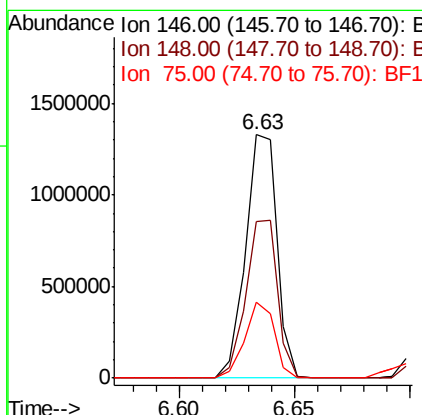
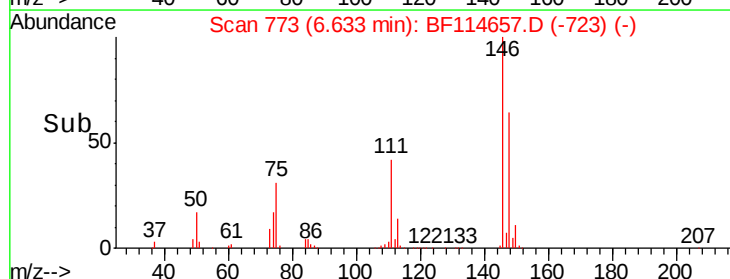
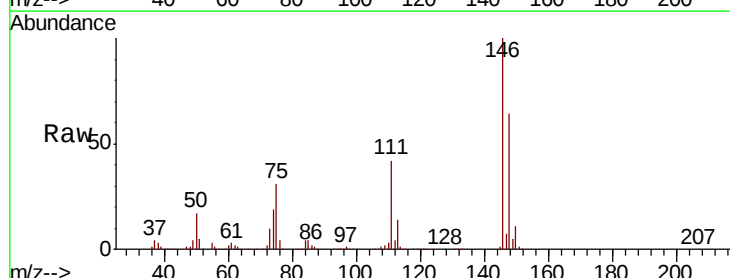
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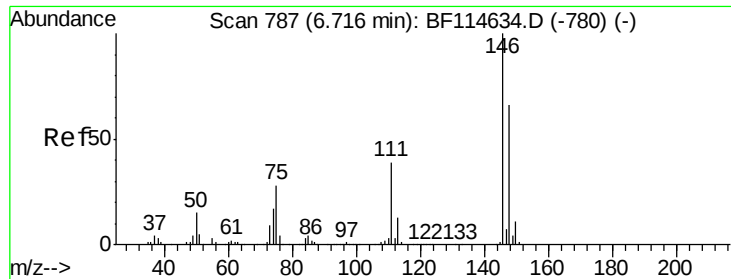
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#12
1,3-Dichlorobenzene
Concen: 33.982 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.9	79.3
75	31.1	22.0	33.0





#13

1,4-Dichlorobenzene

Concen: 33.917 ng

RT: 6.71 min Scan# 786

Delta R.T. -0.01 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

ClientSampleId :

PB118819BS

Tot Ion:146 Resp: 1270964

Ion Ratio Lower Upper

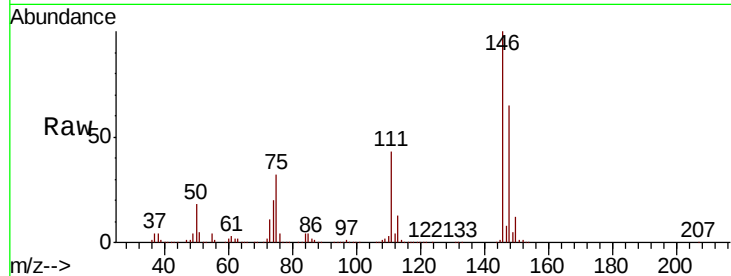
146 100

148 65.5 52.5 78.7

111 42.5 31.4 47.2

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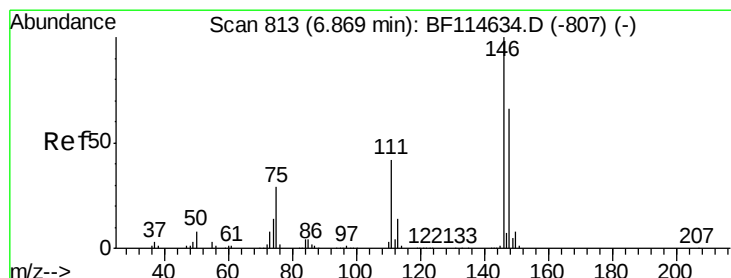
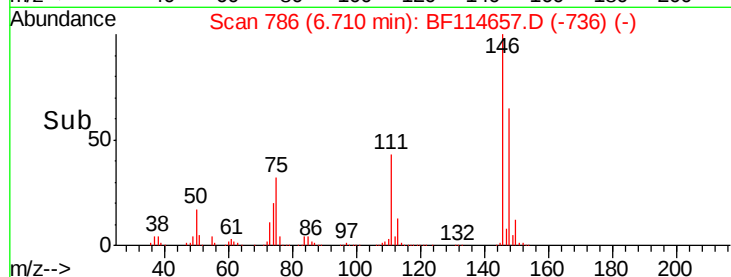
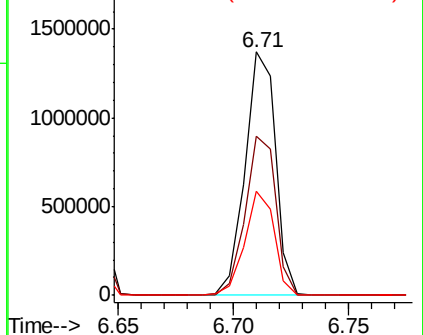


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 34.424 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

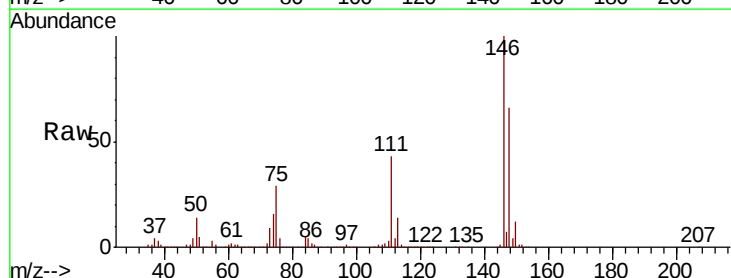
Tgt Ion:146 Resp: 1174402

Ion Ratio Lower Upper

146 100

148 65.9 52.6 79.0

111 42.6 34.1 51.1

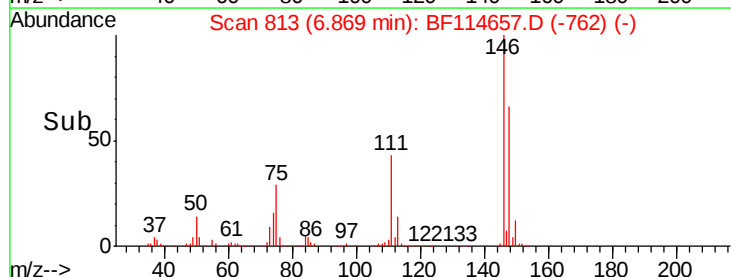
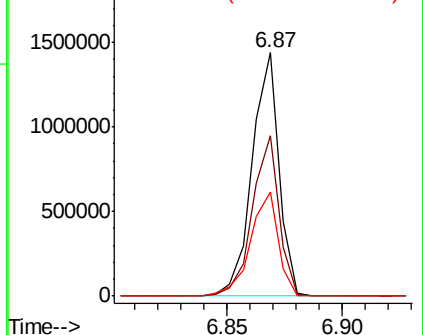


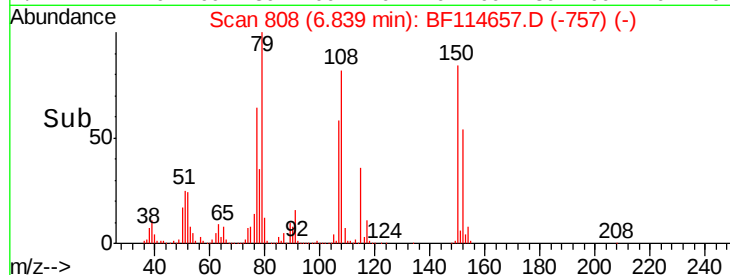
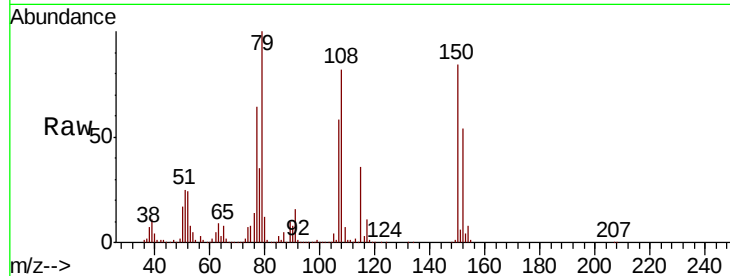
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





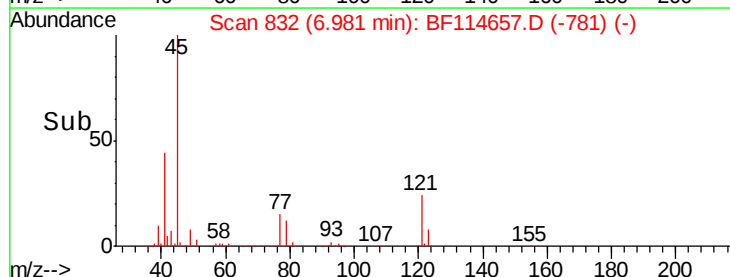
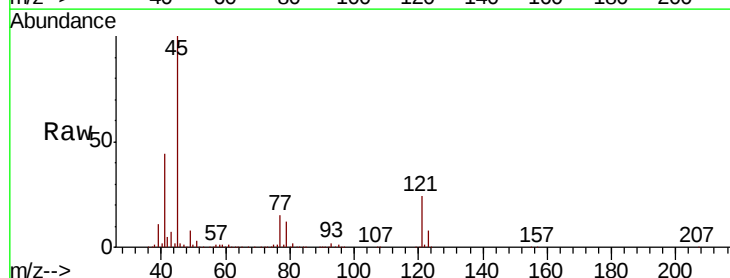
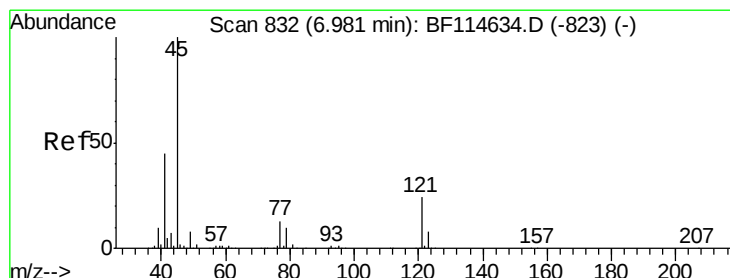
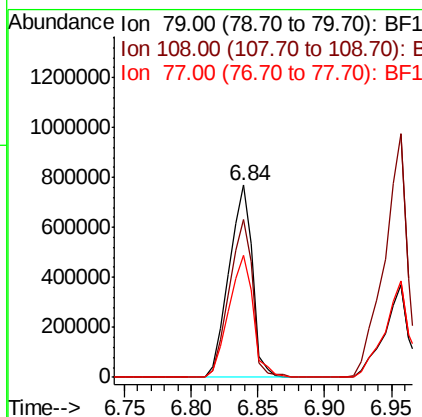
#15
Benzyl Alcohol
Concen: 35.573 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tot Ion: 79 Resp: 957271
Ion Ratio Lower Upper
79 100
108 82.2 67.8 101.8
77 63.5 50.7 76.1

Instrument :
BNA_F
ClientSampleId :
PB118819BS

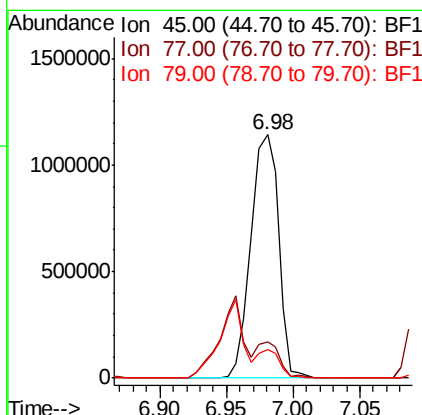
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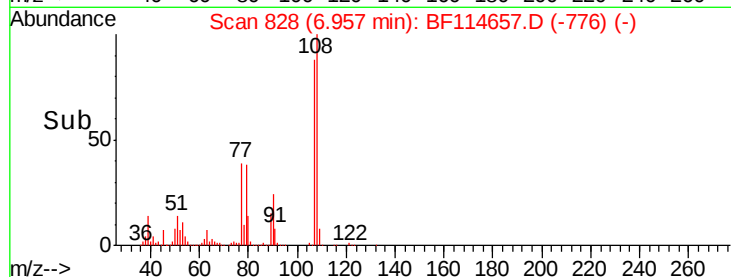
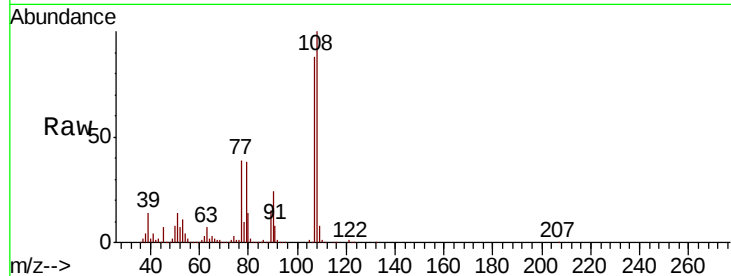
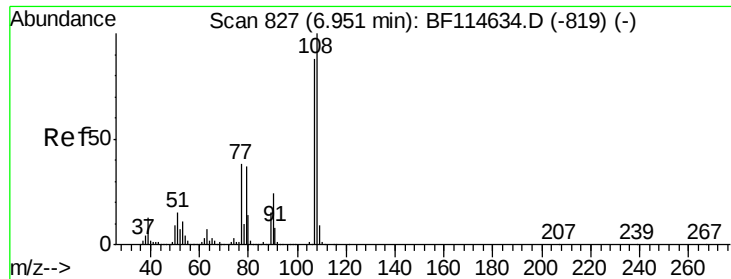
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.555 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion: 45 Resp: 1626887
Ion Ratio Lower Upper
45 100
77 14.9 0.0 34.7
79 11.7 0.0 31.3





#17

2-Methylphenol

Concen: 36.026 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.01 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Tot Ion:	107	Resp:	999001
Ion Ratio	Lower	Upper	
107	100		
108	113.0	91.1	136.7
77	44.6	34.9	52.3
79	43.0	33.8	50.6

Instrument :

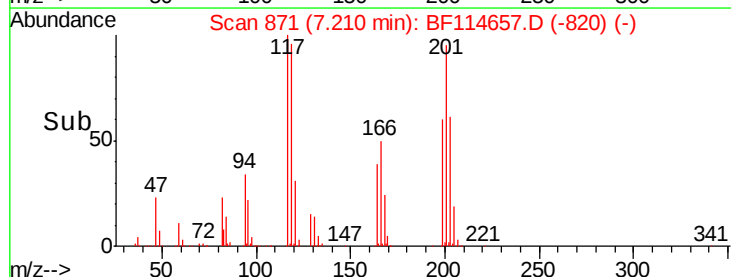
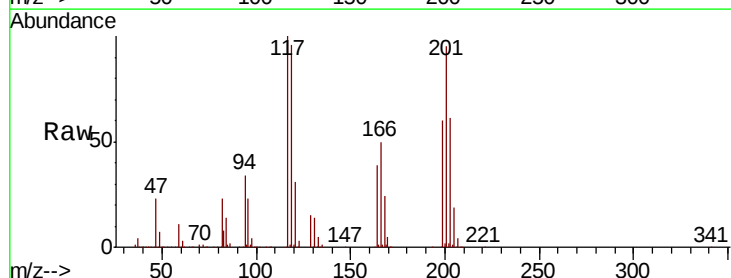
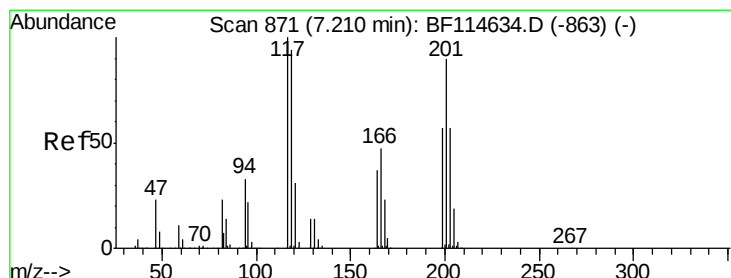
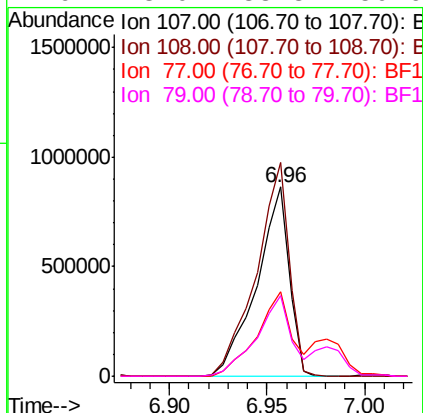
BNA_F

ClientSampleId :

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#18

Hexachloroethane

Concen: 33.969 ng

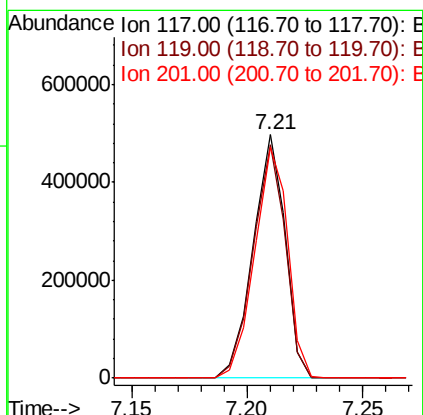
RT: 7.21 min Scan# 871

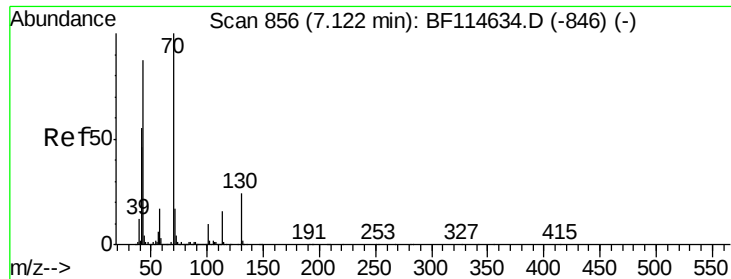
Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Tgt Ion:	117	Resp:	481948
Ion Ratio	Lower	Upper	
117	100		
119	95.6	75.6	113.4
201	94.6	71.7	107.5





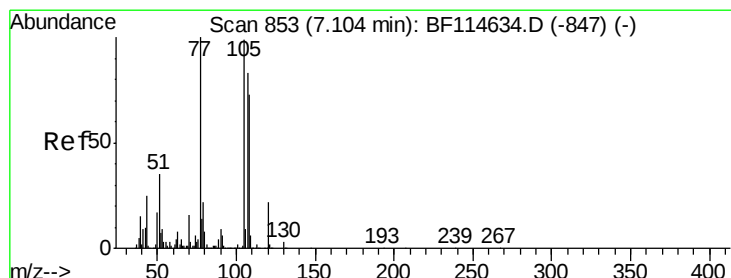
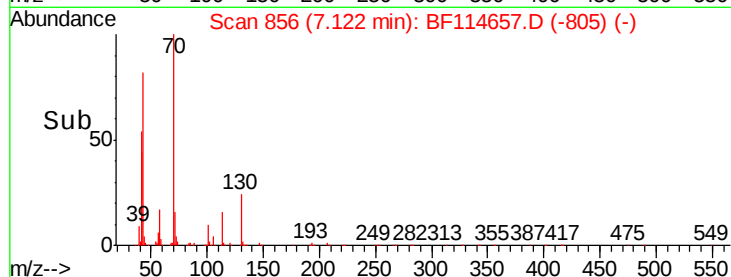
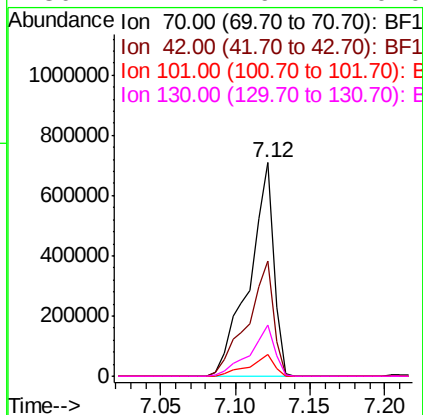
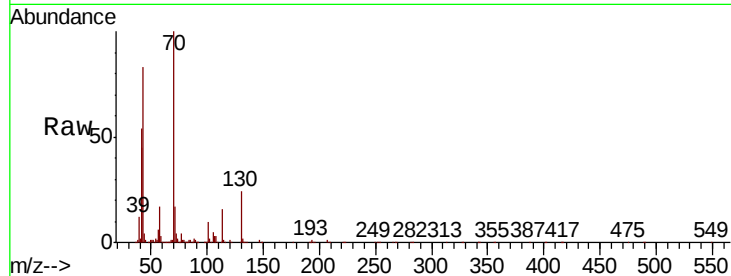
#19
n-Nitroso-di-n-propylamine
Concen: 34.232 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	54.1	44.4	66.6	
101	10.2	8.2	12.4	
130	24.1	19.4	29.0	

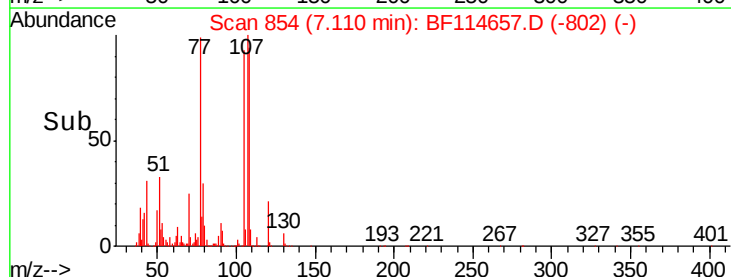
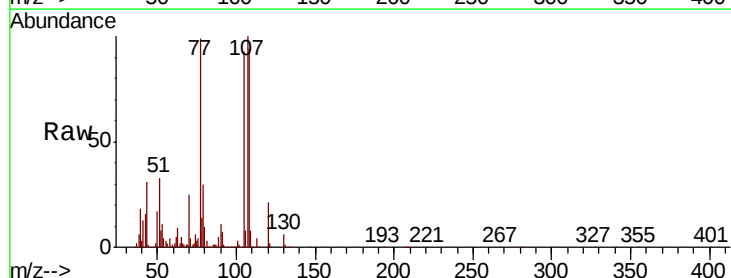
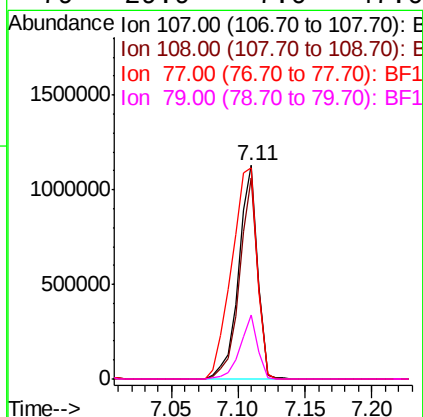
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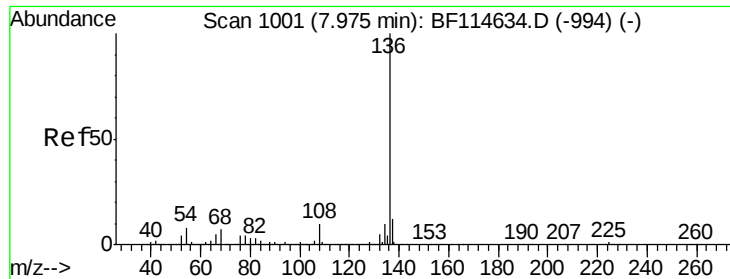
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#20
3+4-Methylphenols
Concen: 34.089 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	93.9	68.6	108.6	
77	98.6	100.5	140.5#	
79	29.9	7.0	47.0	





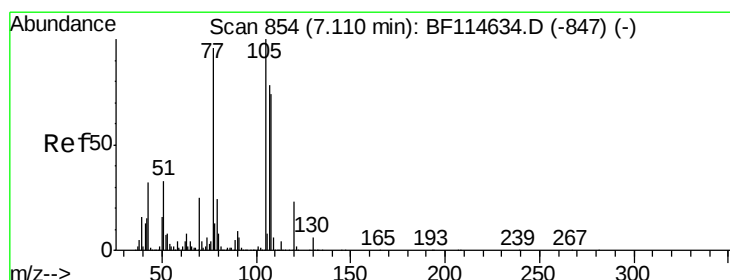
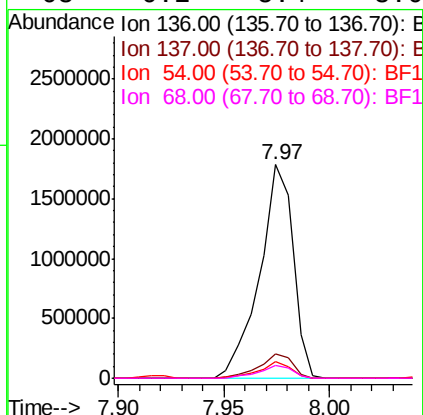
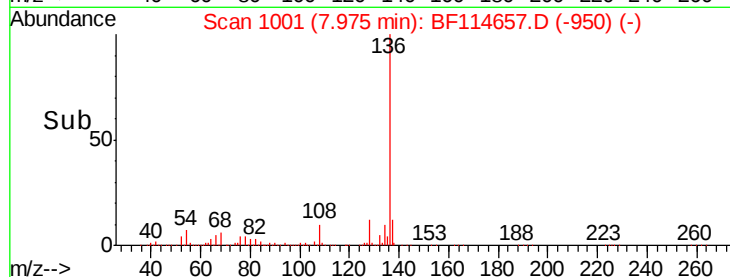
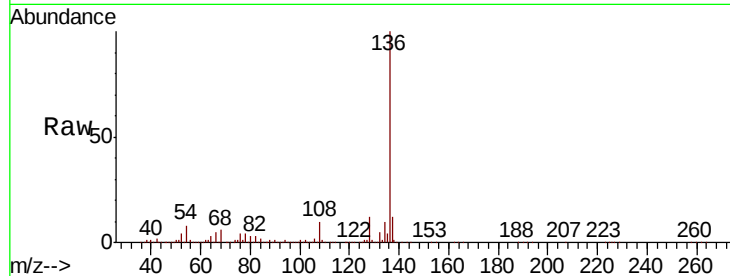
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleID :
PB118819BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1983387		
137	11.6	9.3	13.9		
54	7.5	6.3	9.5		
68	6.2	5.4	8.0		

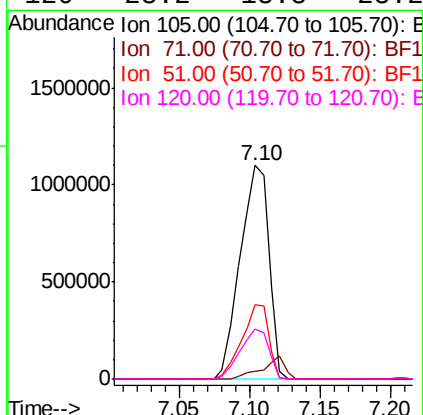
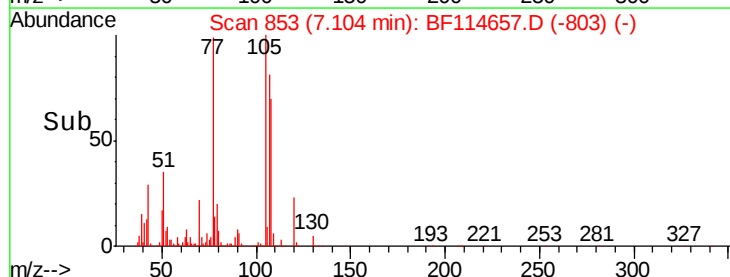
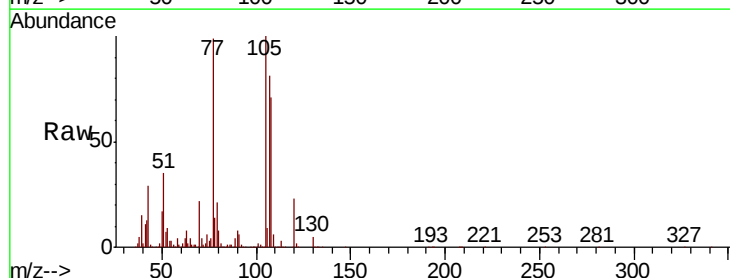
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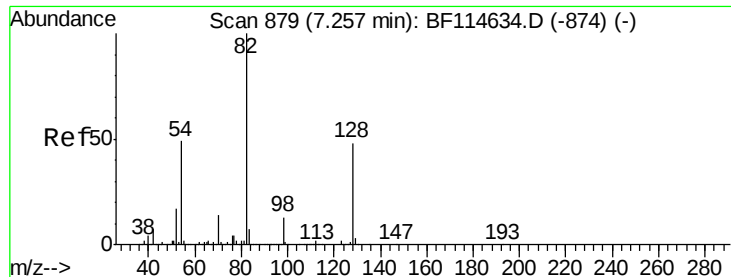
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#22
Acetophenone
Concen: 37.110 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		1568257		
71	3.6	3.6	5.4		
51	34.7	26.0	39.0		
120	23.2	18.8	28.2		





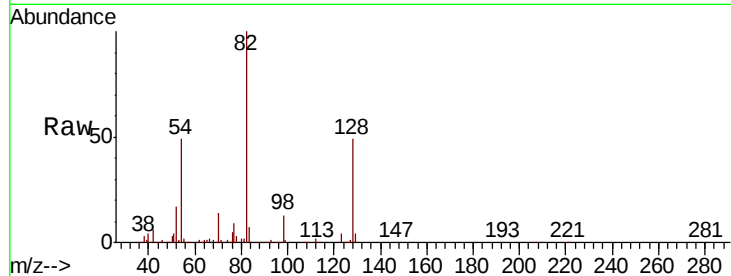
#23
Nitrobenzene-d5
Concen: 79.871 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

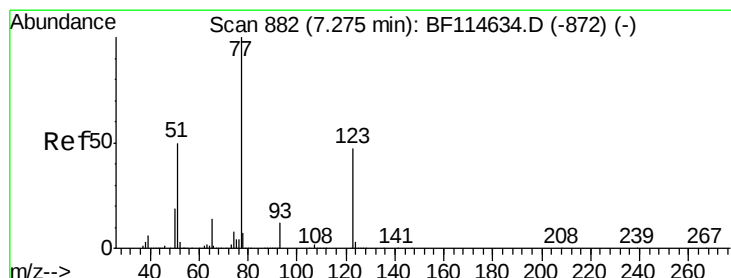
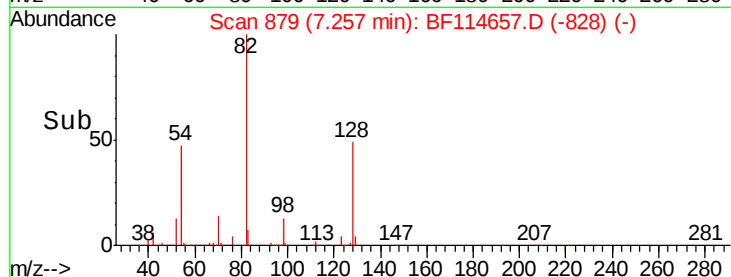
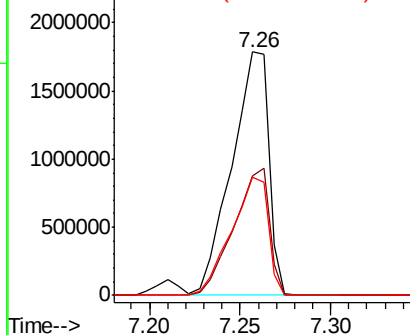
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.3	38.5	57.7
54	48.6	39.1	58.7

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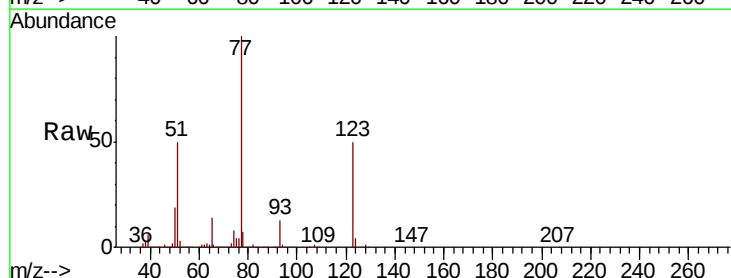


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

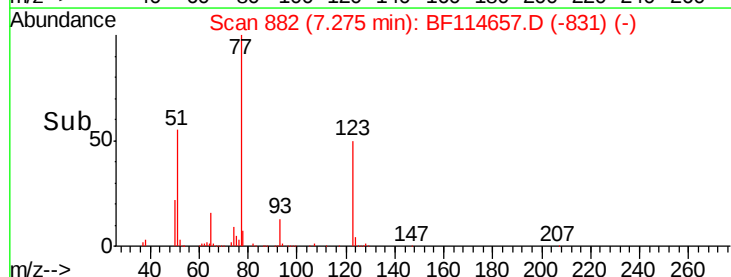
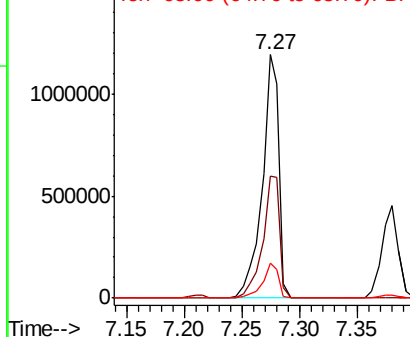


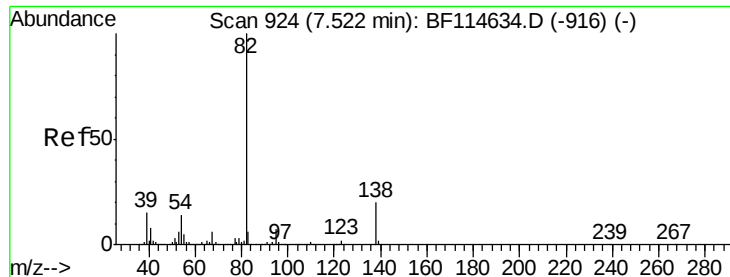
#24
Nitrobenzene
Concen: 35.719 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.1	38.5	57.7
65	14.1	11.2	16.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 35.322 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

ClientSampleId :

PB118819BS

Tot Ion: 82 Resp: 2253517

Ion Ratio Lower Upper

82 100

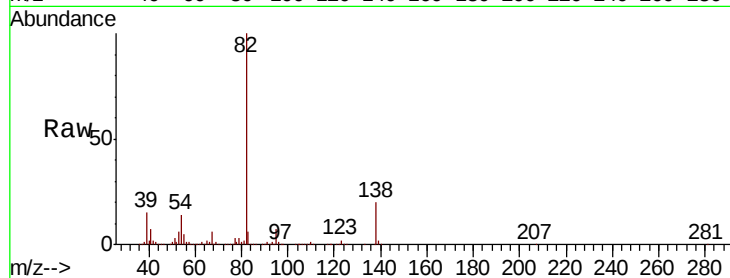
95 6.9 5.6 8.4

138 19.9 15.9 23.9

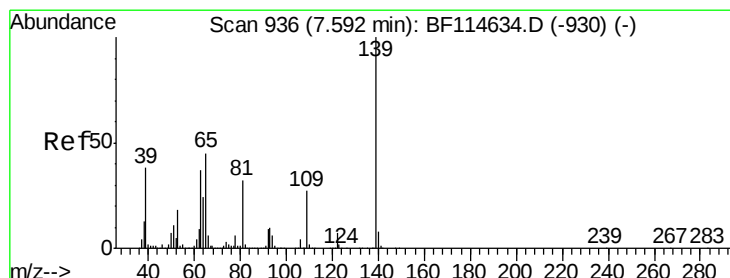
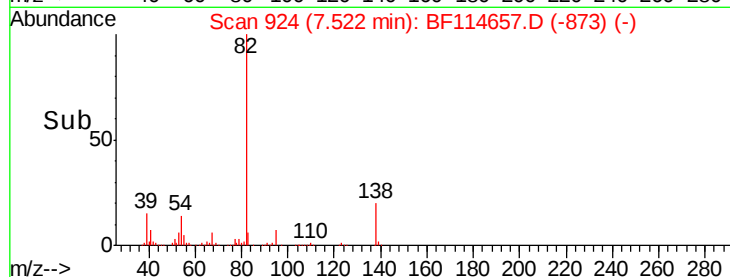
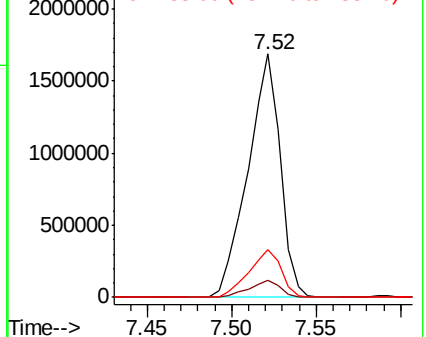
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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 38.529 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

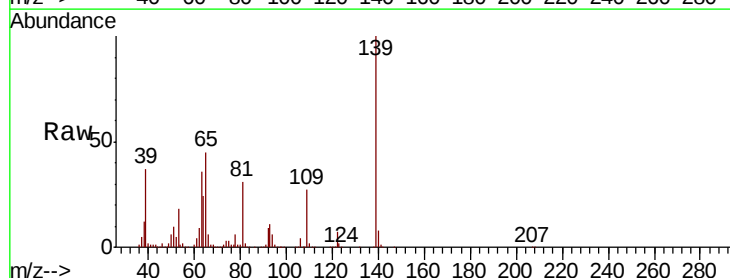
Tgt Ion: 139 Resp: 633344

Ion Ratio Lower Upper

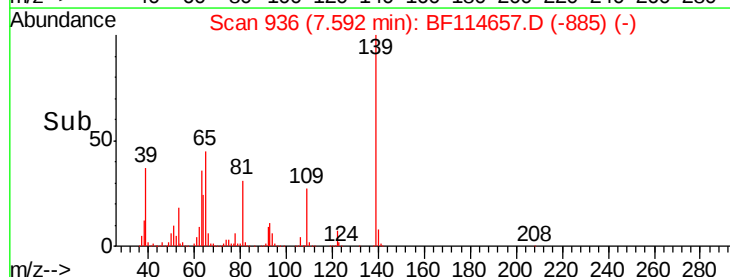
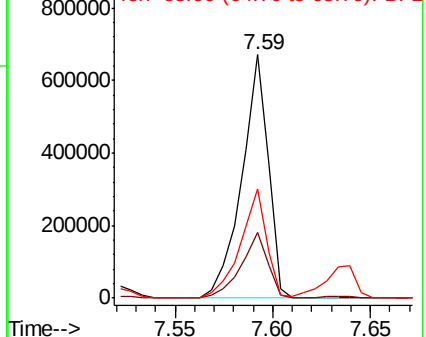
139 100

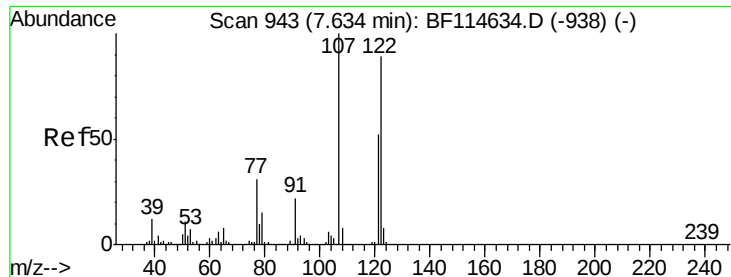
109 26.9 21.7 32.5

65 44.9 36.3 54.5



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





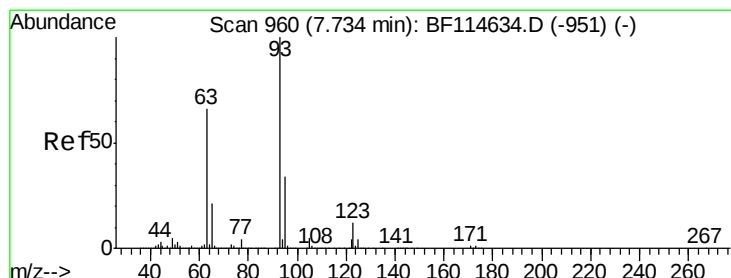
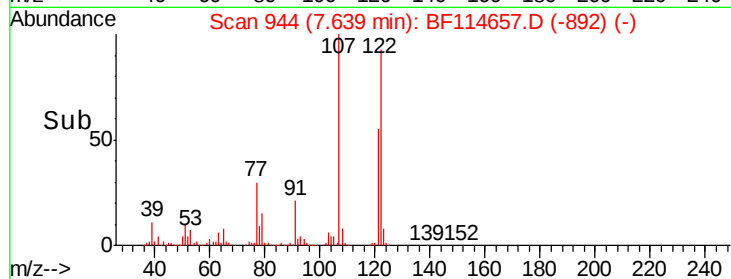
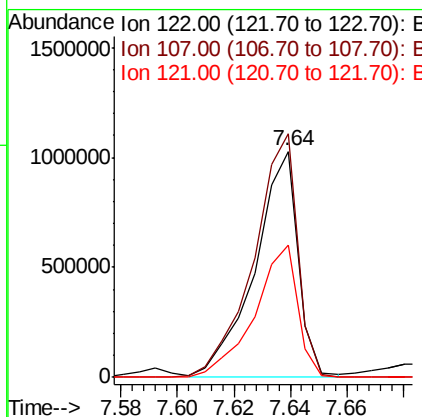
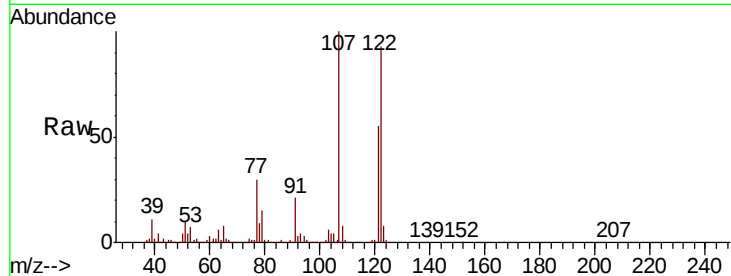
#27
 2,4-Dimethylphenol
 Concen: 40.296 ng
 RT: 7.64 min Scan# 944
 Delta R.T. 0.01 min
 Lab File: BF114657.D
 Acq: 30 May 2019 13:34

Instrument :
 BNA_F
 ClientSampled :
 PB118819BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	107.6	89.3	133.9
121	58.7	46.8	70.2

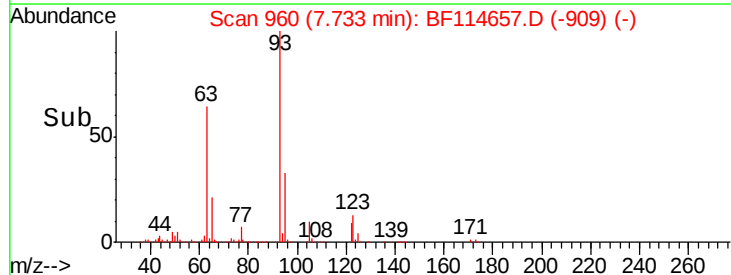
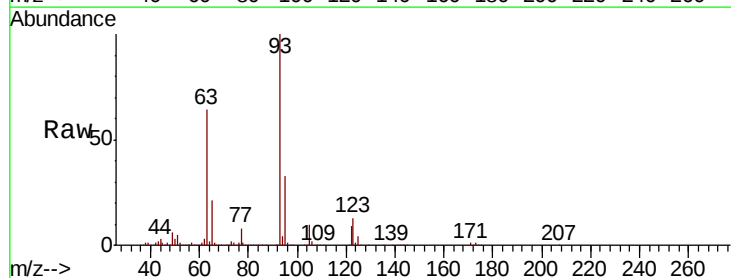
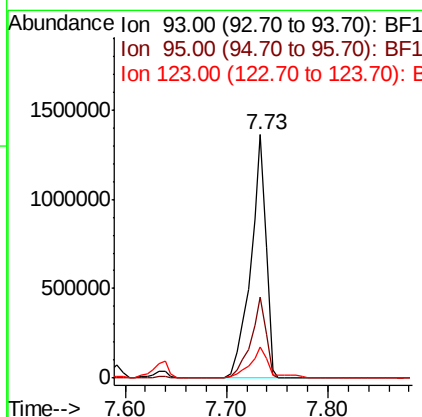
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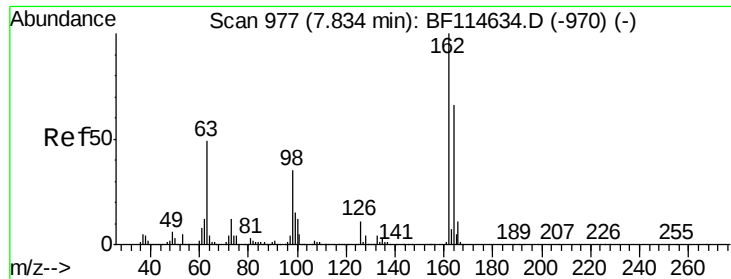
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 34.917 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.00 min
 Lab File: BF114657.D
 Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	27.0	40.4
123	12.9	10.2	15.2





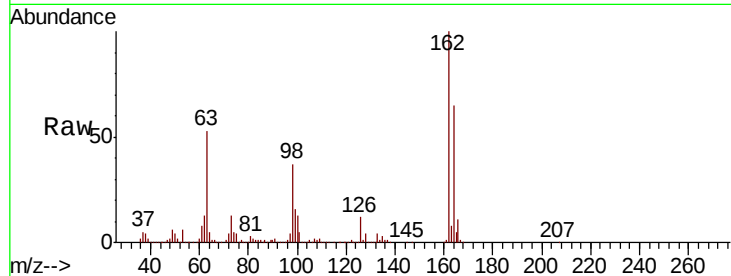
#29
2,4-Dichlorophenol
Concen: 36.770 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleID :
PB118819BS

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.5	45.8	85.8
98	37.3	14.9	54.9

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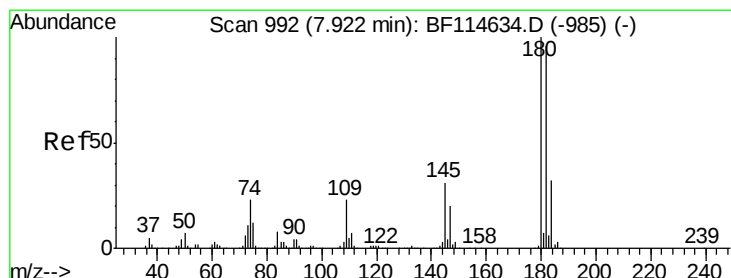
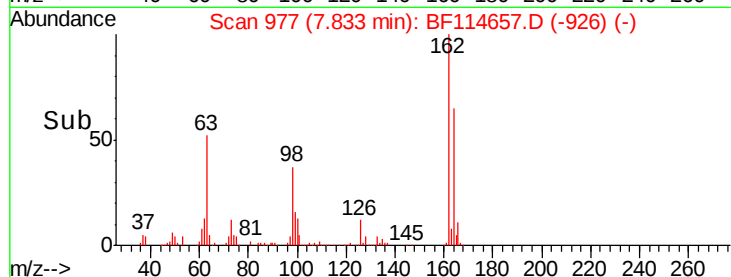
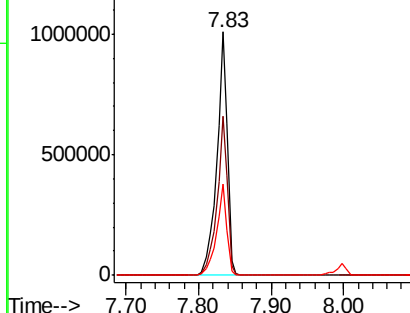


Abundance

Ion 162.00 (161.70 to 162.70): E

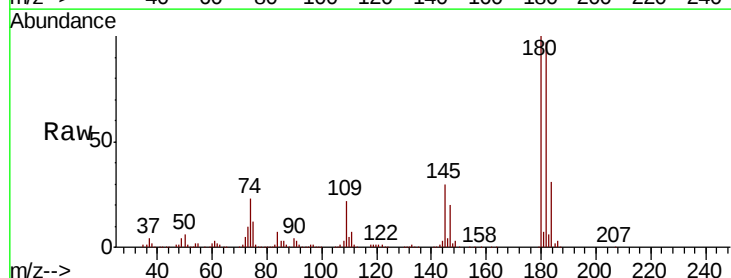
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 35.716 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.9	115.3
145	30.5	24.5	36.7

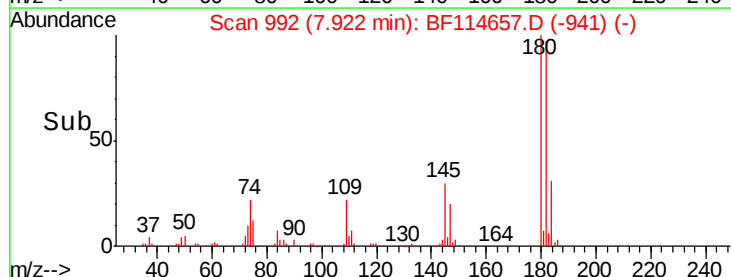
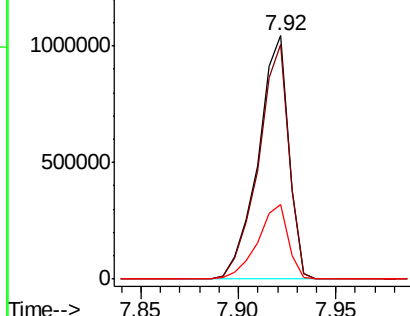


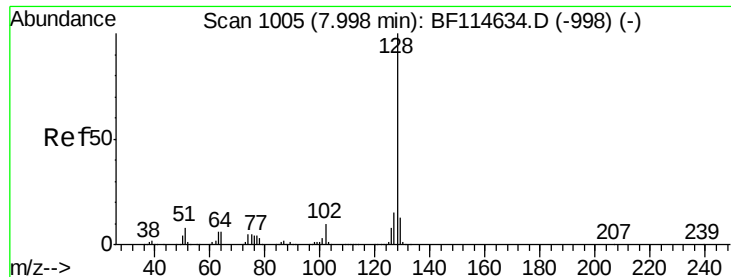
Abundance

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





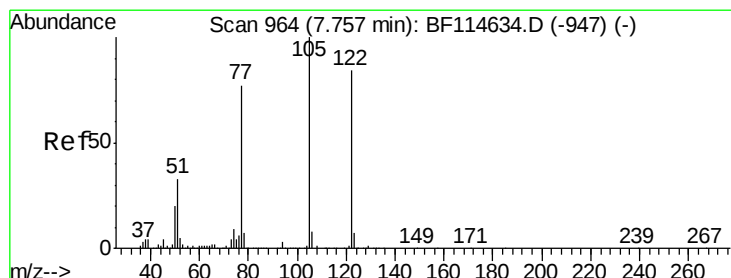
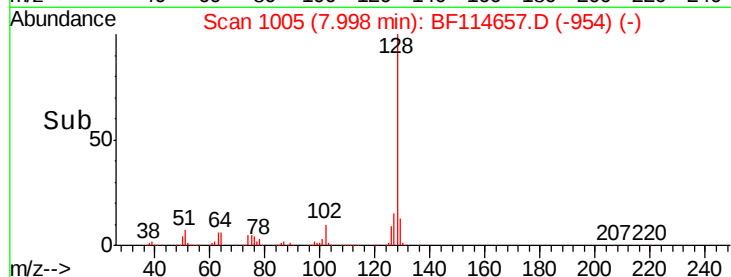
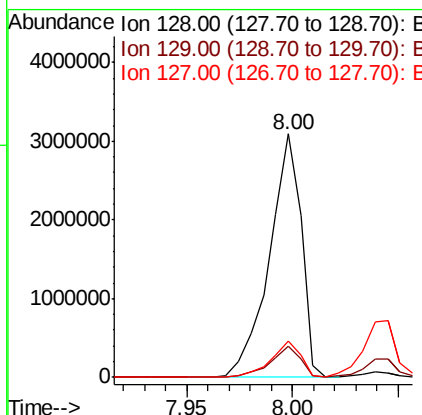
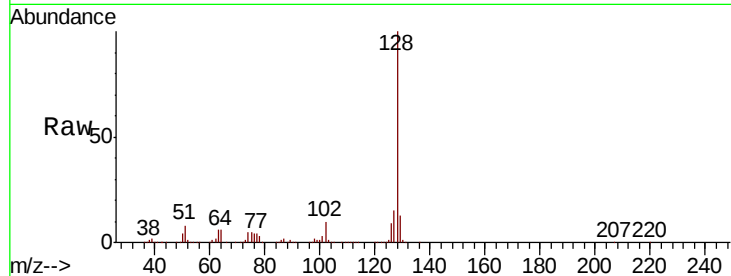
#31
Naphthalene
Concen: 35.614 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.0	10.2	15.2
127	15.1	11.9	17.9

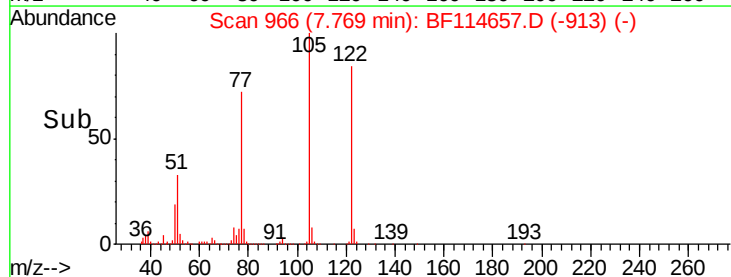
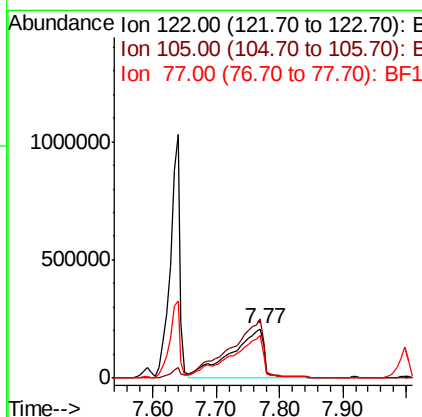
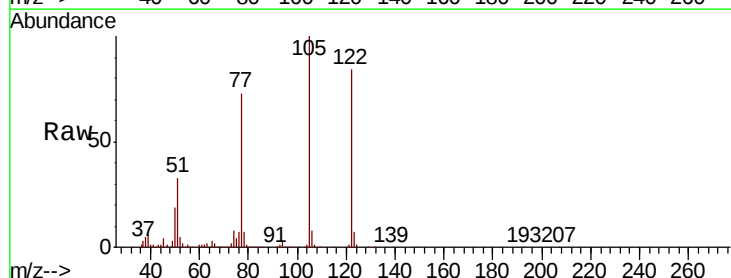
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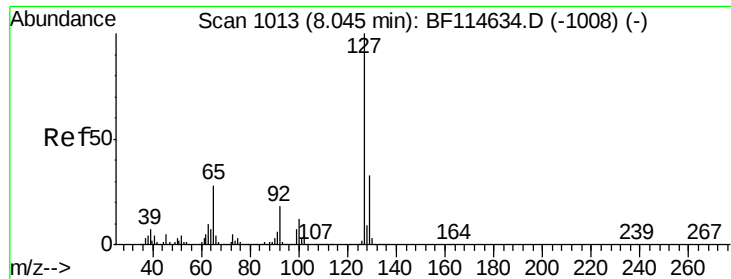
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#32
Benzoic acid
Concen: 43.054 ng
RT: 7.77 min Scan# 966
Delta R.T. 0.01 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.6	98.3	138.3
77	87.4	70.7	110.7





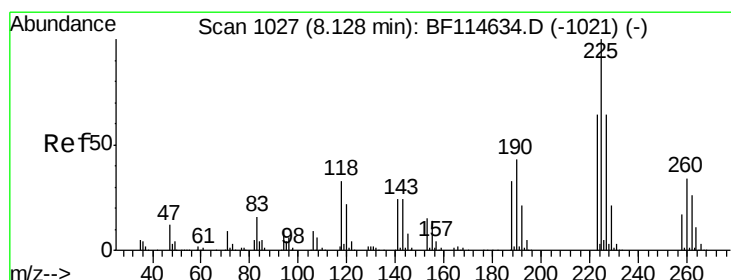
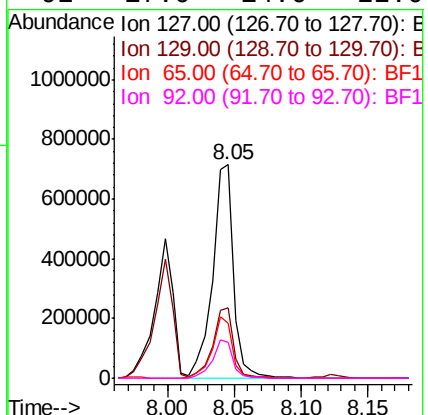
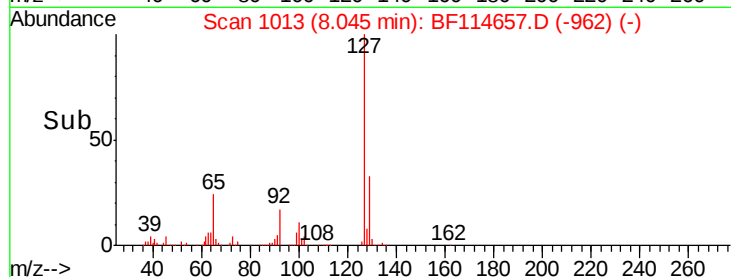
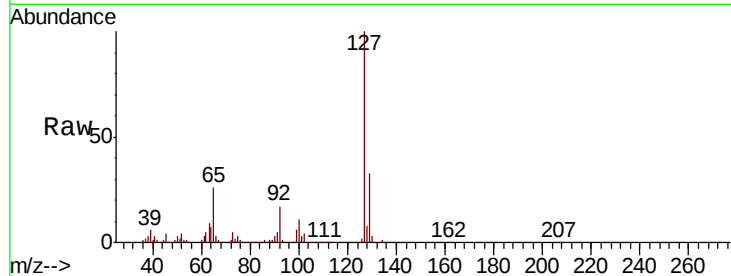
#33
4-Chloroaniline
Concen: 18.158 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		790352		
129	33.0	26.7	40.1		
65	25.8	22.5	33.7		
92	17.0	14.6	22.0		

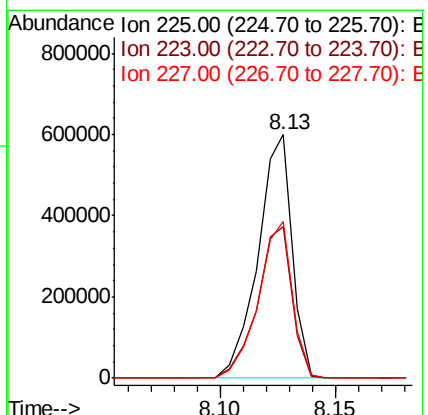
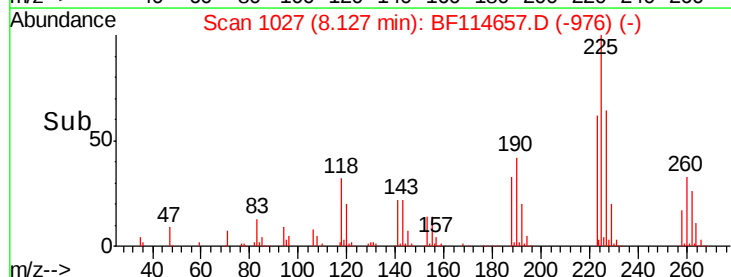
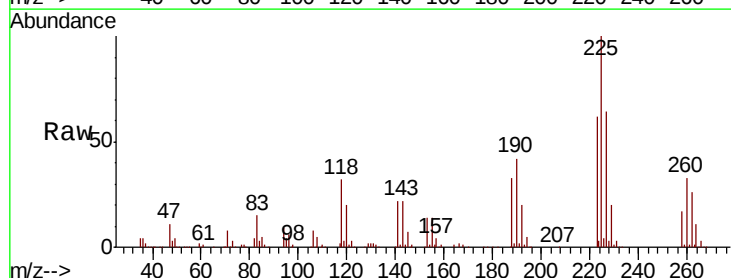
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#34
Hexachlorobutadiene
Concen: 34.963 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		615759		
223	62.3	50.9	76.3		
227	64.1	51.3	76.9		





#35

Caprolactam

Concen: 33.096 ng/ml

RT: 8.42 min Scan# 1076

Delta R.T. -0.01 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

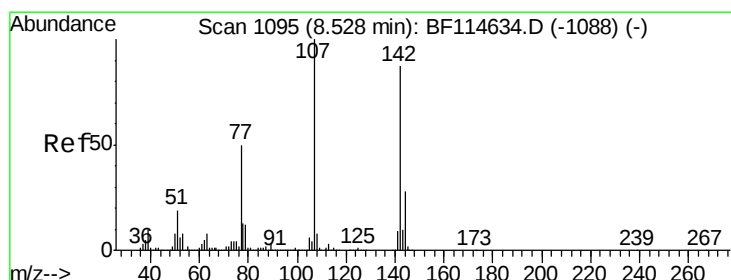
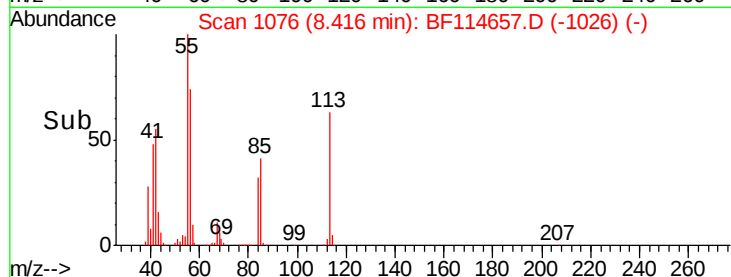
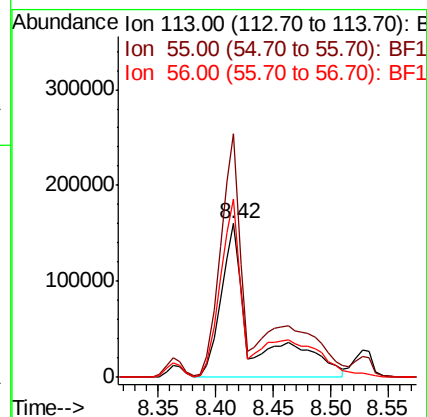
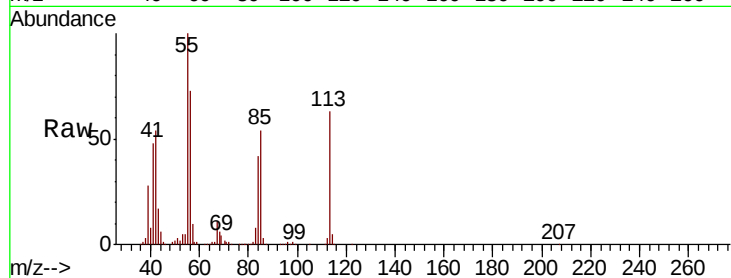
ClientSampleId :

PB118819BS

Tot Ion:	113	Resp:	310795
Ion Ratio	Lower	Upper	
113	100		
55	158.4	136.4	176.4
56	116.4	97.0	137.0

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#36

4-Chloro-3-methylphenol

Concen: 36.683 ng/ml

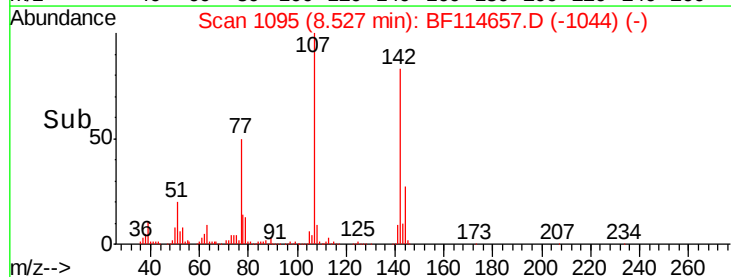
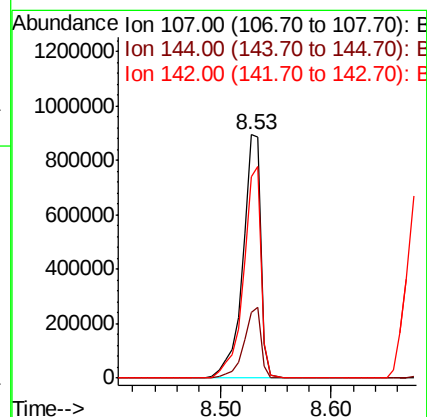
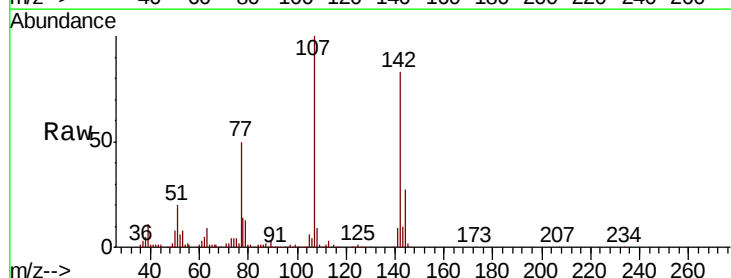
RT: 8.53 min Scan# 1095

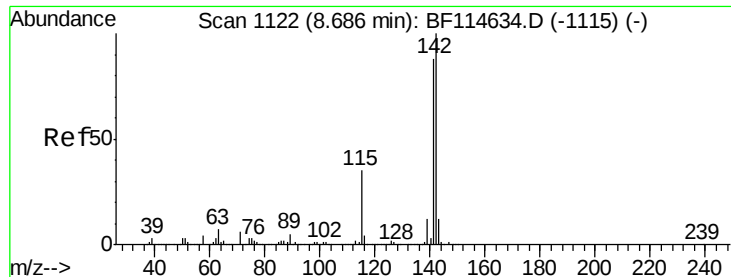
Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Tgt Ion:	107	Resp:	1023675
Ion Ratio	Lower	Upper	
107	100		
144	27.0	22.5	33.7
142	82.9	69.8	104.6





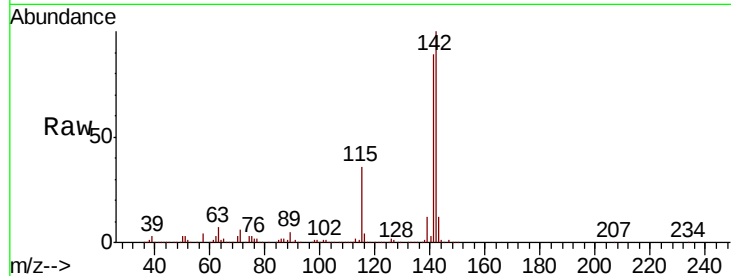
#37
2-Methylnaphthalene
Concen: 37.293 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.3	105.5
115	35.8	28.0	42.0

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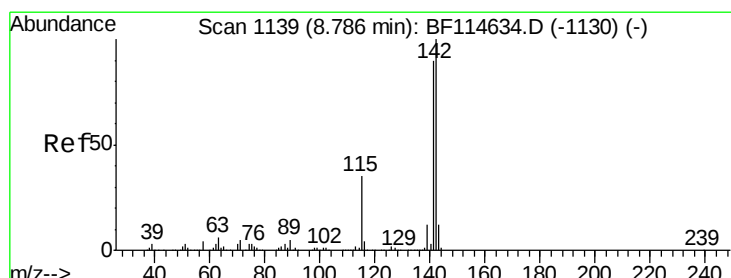
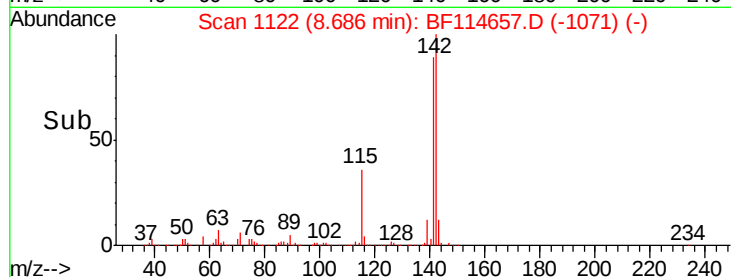
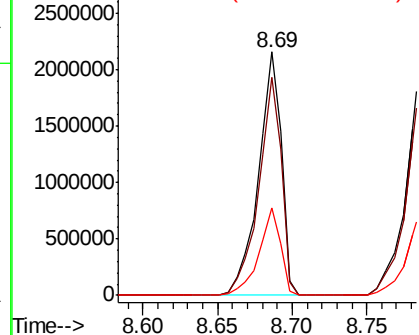


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 37.543 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

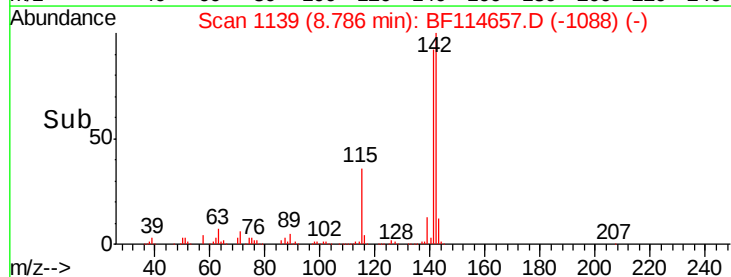
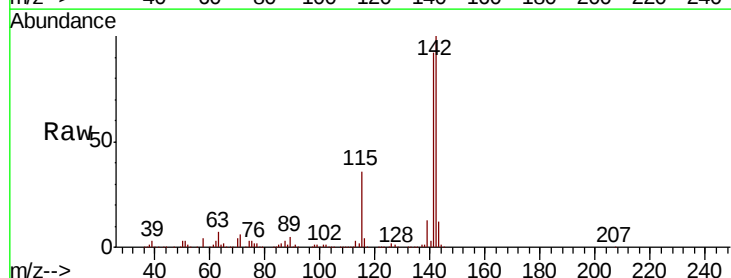
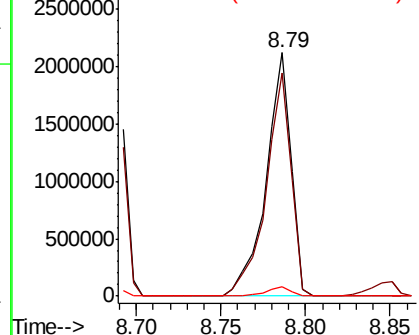
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.3	108.5
116	4.0	3.0	4.4

Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





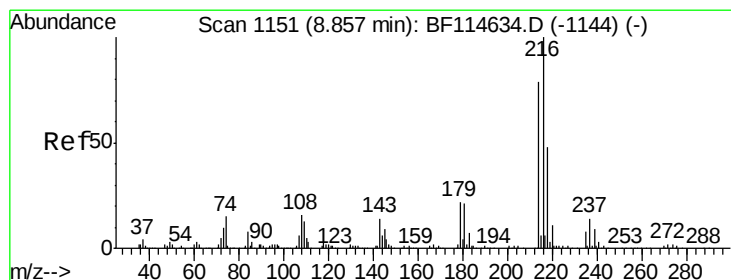
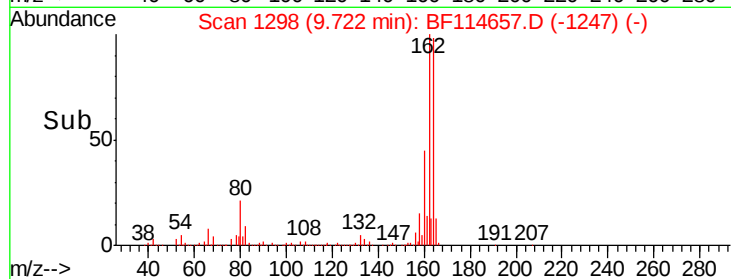
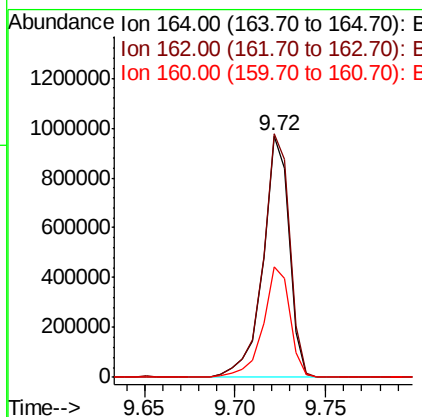
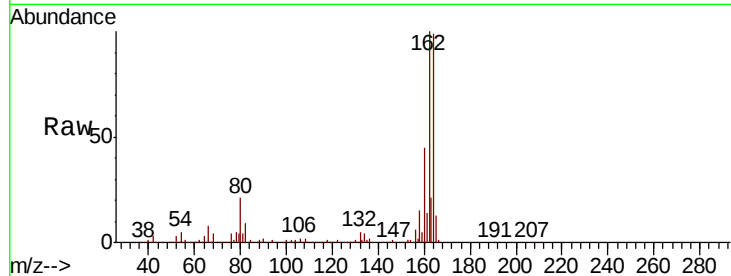
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100	969105		
162	100.8	81.4	122.2	
160	45.7	36.6	54.8	

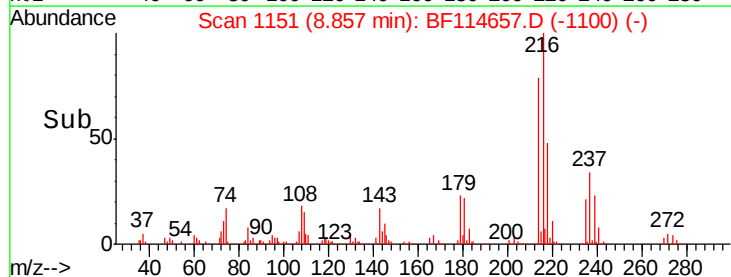
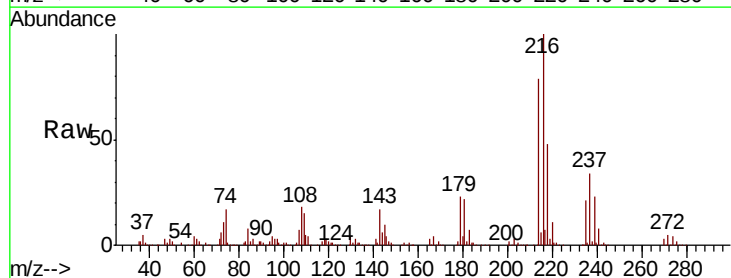
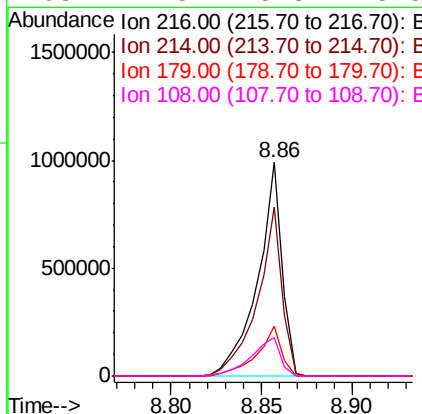
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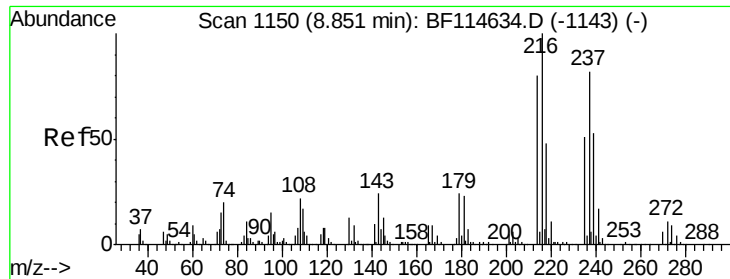
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.024 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	929696		
214	79.2	63.2	94.8	
179	22.6	17.9	26.9	
108	21.5	15.8	23.8	





#41

Hexachlorocyclopentadiene

Concen: 63.398 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

ClientSampleId :

PB118819BS

Tot Ion:237 Resp: 1081220

Ion Ratio Lower Upper

237 100

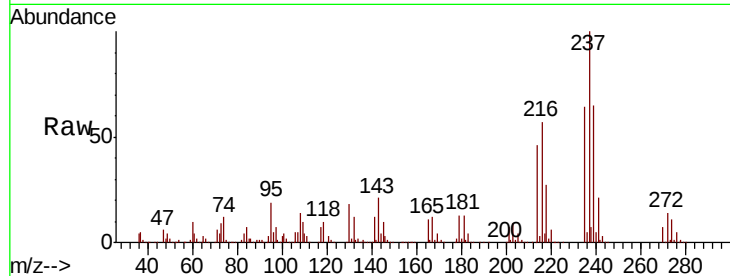
235 64.4 42.8 82.8

272 13.8 0.0 33.7

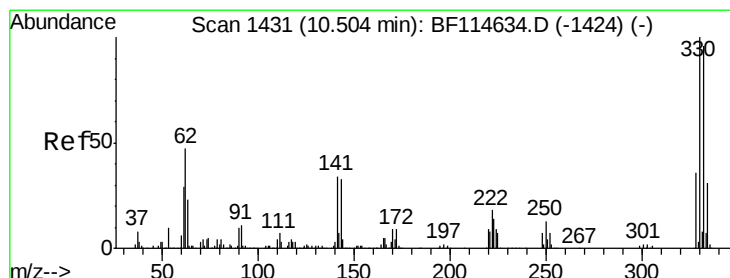
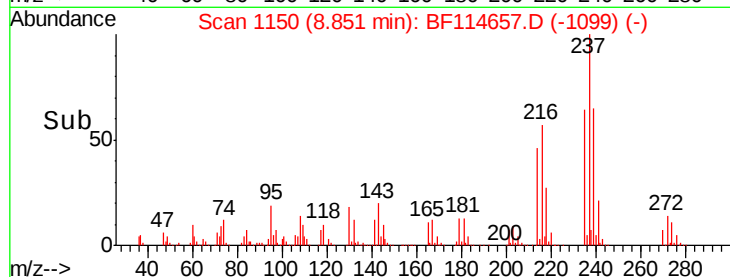
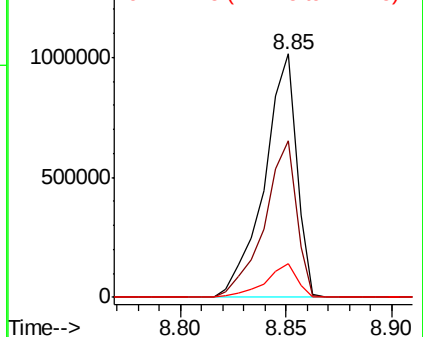
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 105.719 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

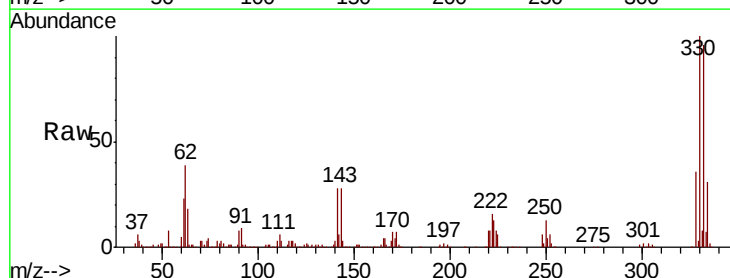
Tgt Ion:330 Resp: 976215

Ion Ratio Lower Upper

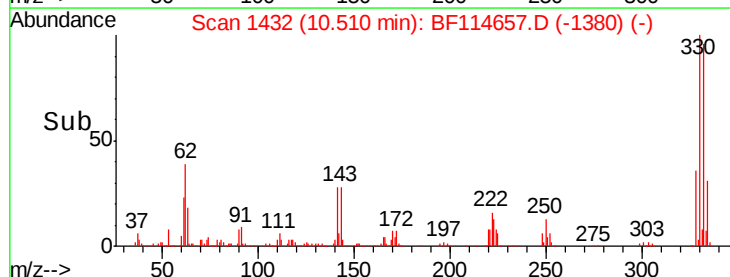
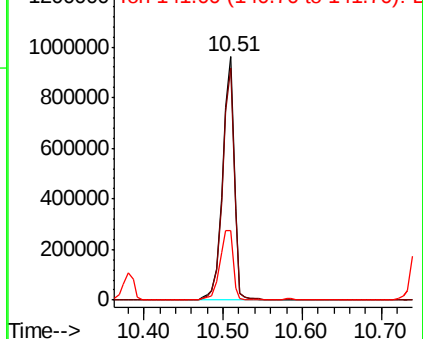
330 100

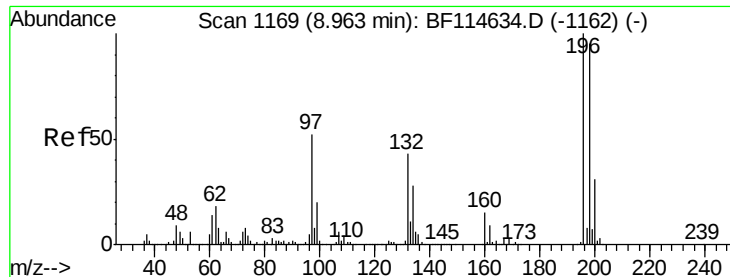
332 96.0 75.8 113.8

141 32.8 27.8 41.8



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





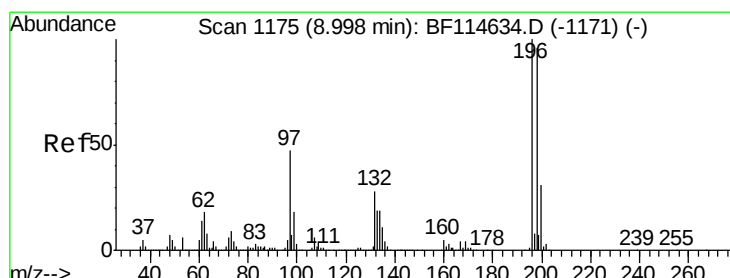
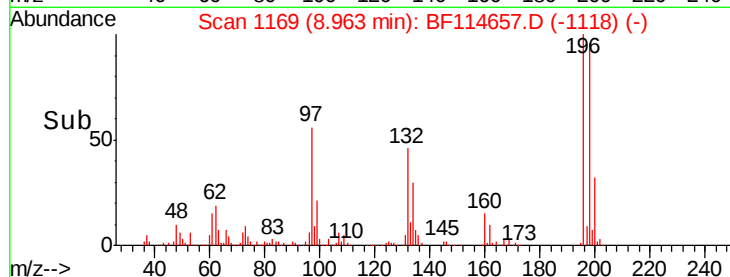
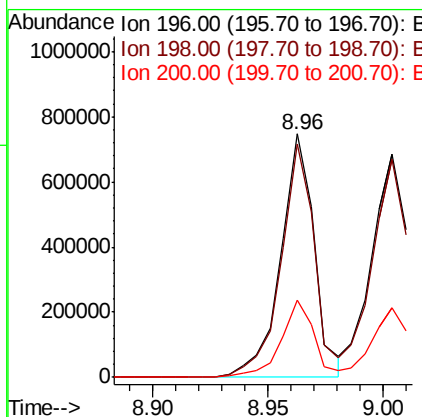
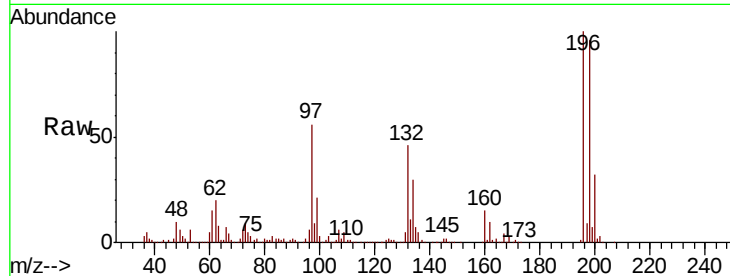
#43
 2,4,6-Trichlorophenol
 Concen: 36.863 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF114657.D
 Acq: 30 May 2019 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB118819BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	748575		
198	95.7	76.1	114.1	
200	31.6	24.7	37.1	

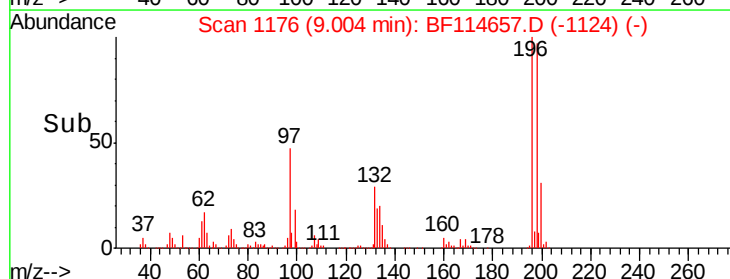
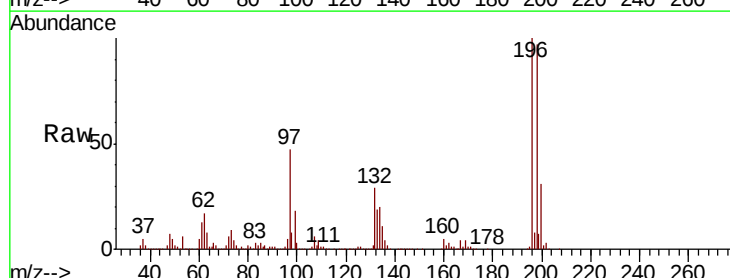
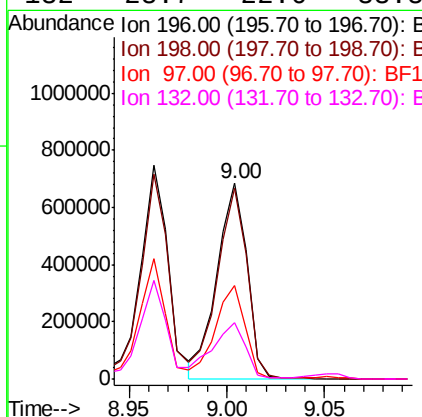
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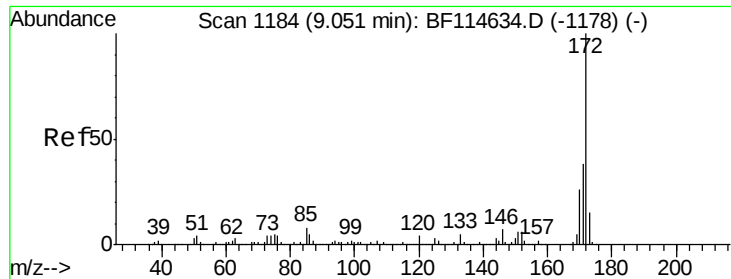
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 36.337 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: BF114657.D
 Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	736327		
198	97.5	76.8	115.2	
97	47.5	37.8	56.8	
132	28.7	22.6	33.8	





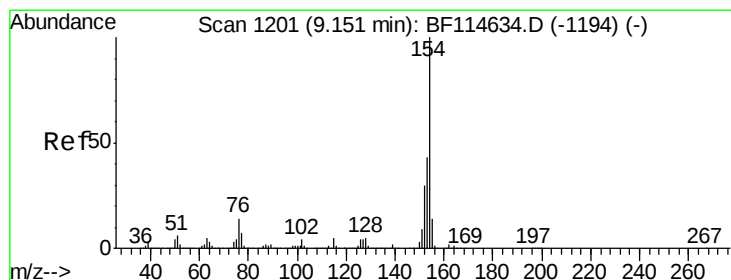
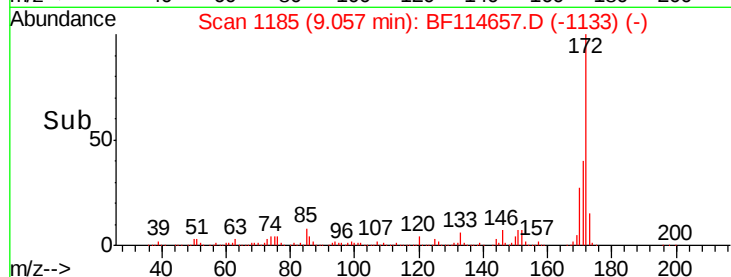
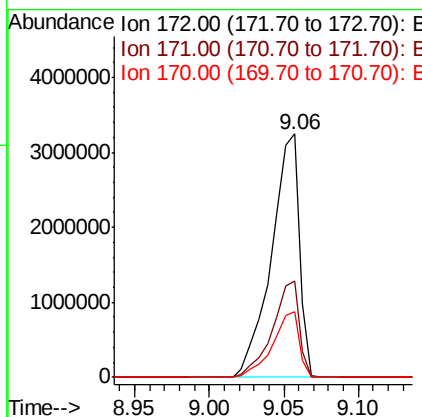
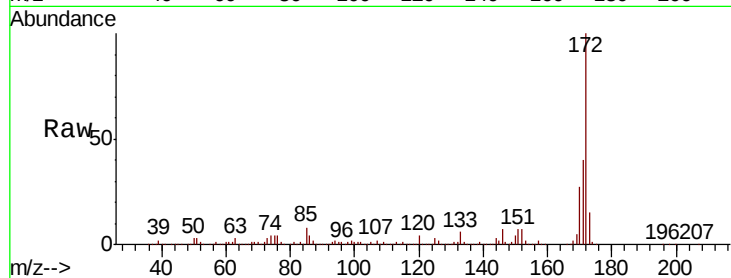
#45
2-Fluorobiphenyl
Concen: 73.087 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.01 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.5	30.6	45.8
170	27.1	20.7	31.1

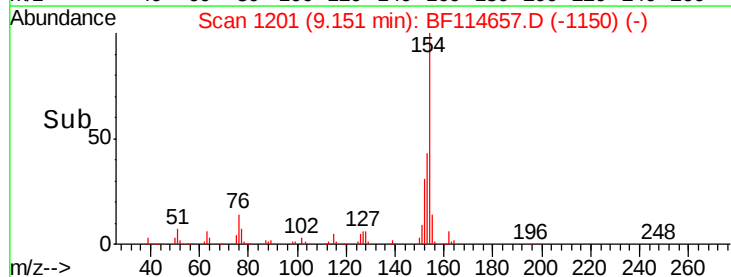
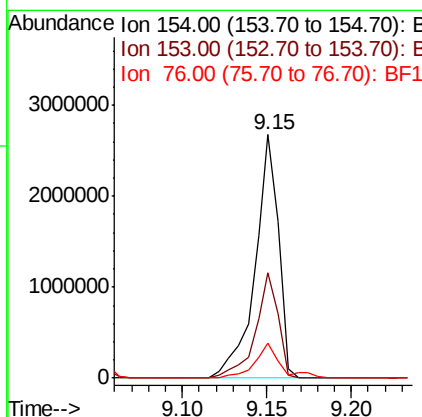
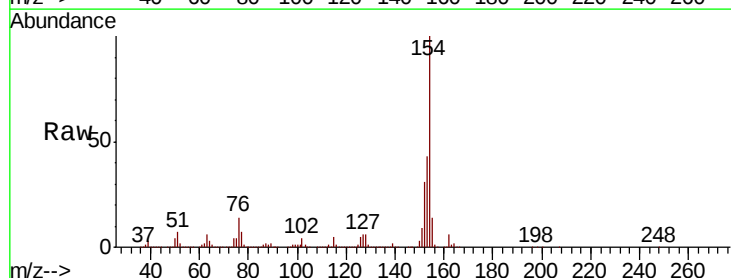
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#46
1,1'-Biphenyl
Concen: 35.872 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.2	23.0	63.0
76	14.4	0.0	33.9





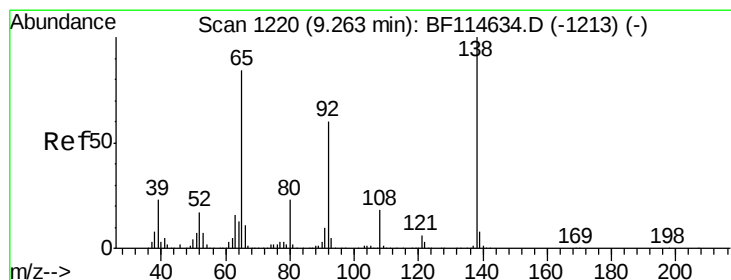
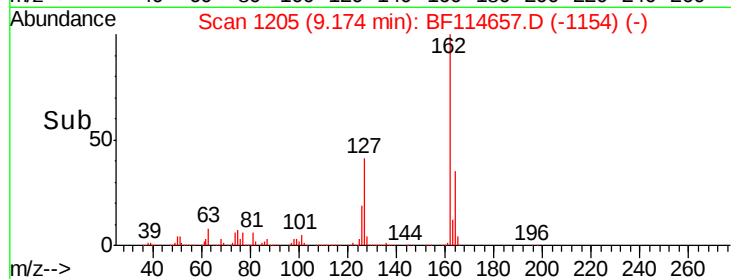
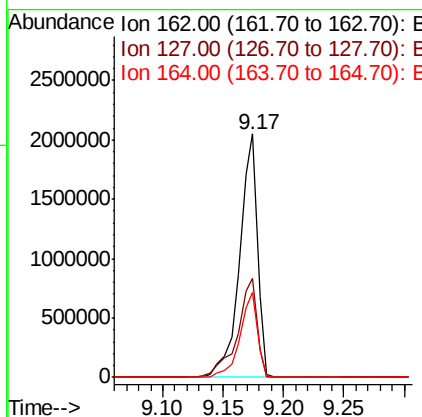
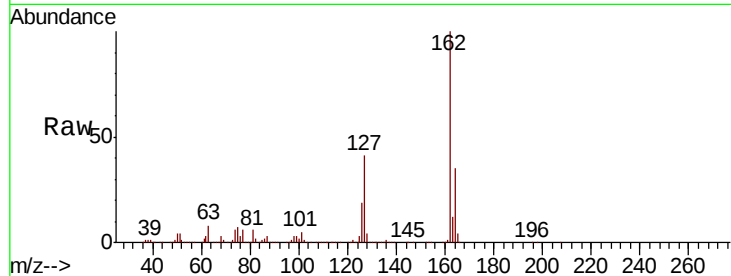
#47
2-Chloronaphthalene
Concen: 35.704 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.2	48.2
164	34.6	27.8	41.6

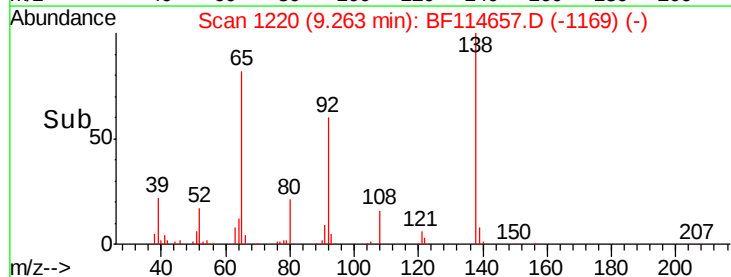
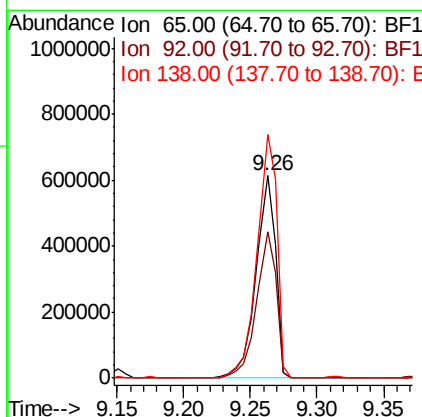
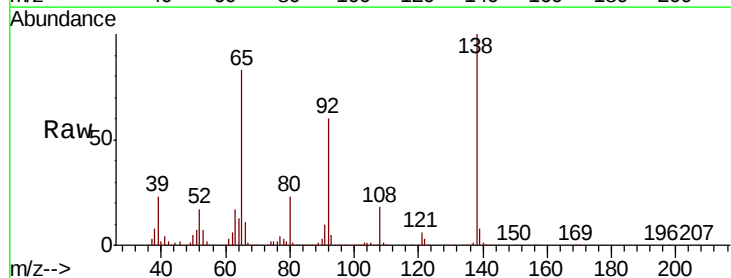
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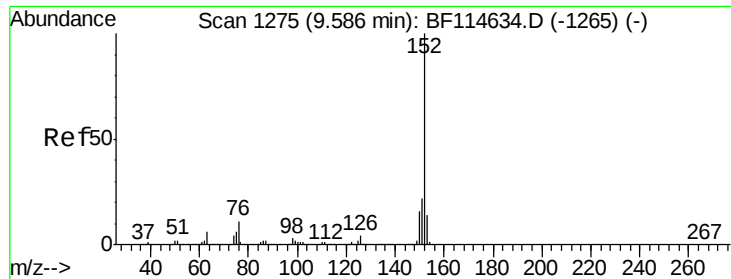
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#48
2-Nitroaniline
Concen: 33.678 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.3	57.1	85.7
138	120.2	95.8	143.6





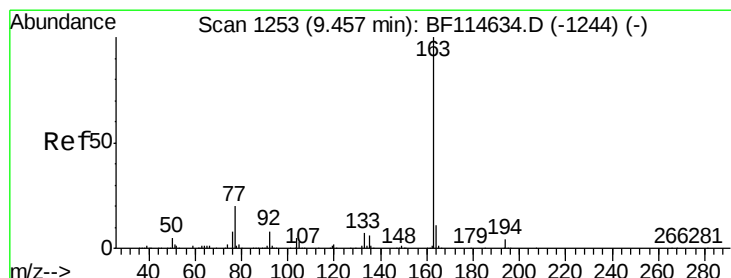
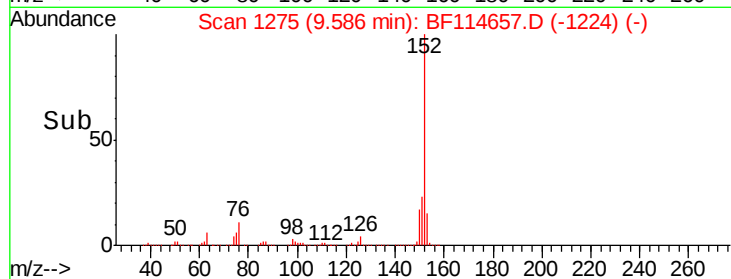
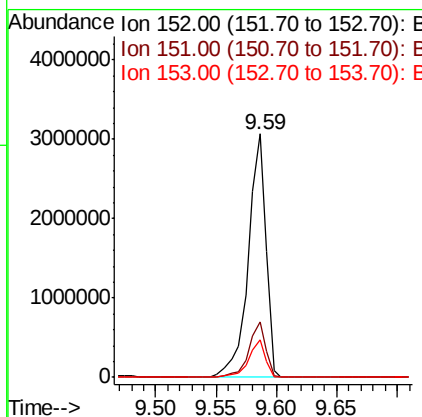
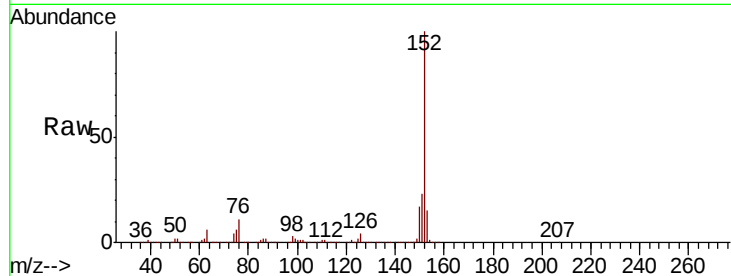
#49
Acenaphthylene
Concen: 34.553 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.8	17.5	26.3
153	15.3	11.6	17.4

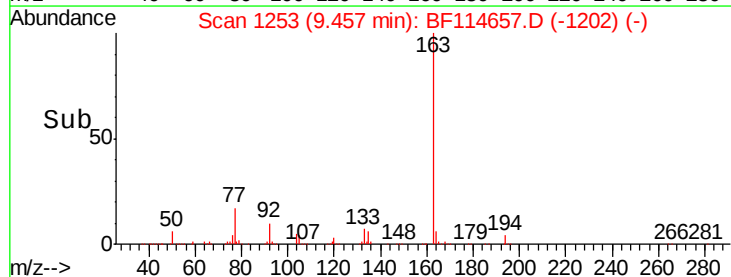
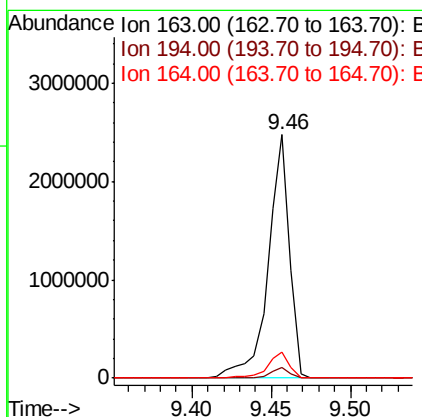
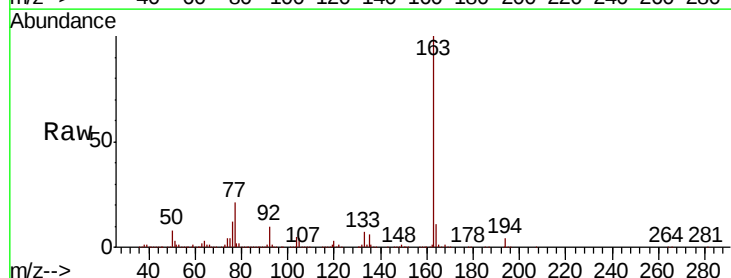
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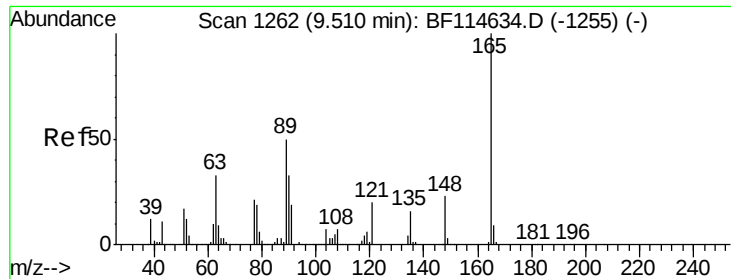
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#50
Dimethylphthalate
Concen: 34.529 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.9	8.6	13.0





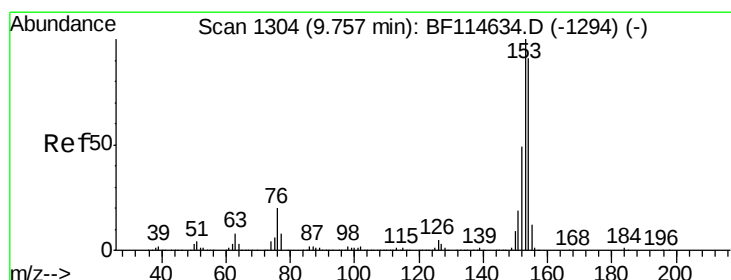
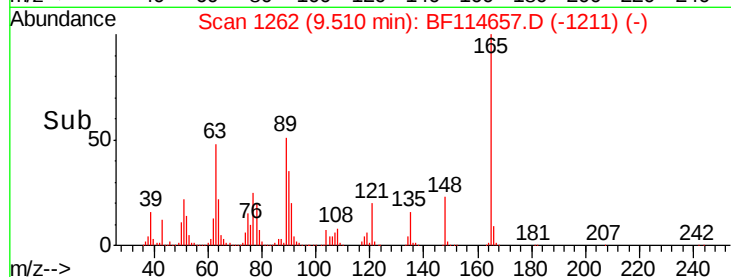
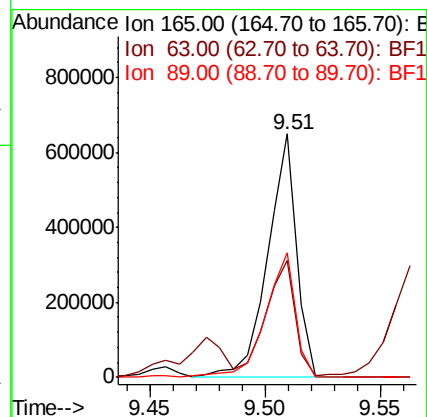
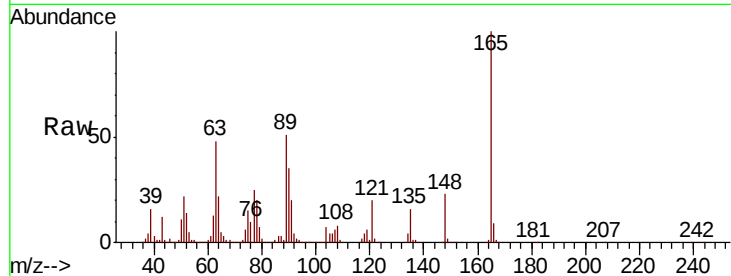
#51
 2,6-Dinitrotoluene
 Concen: 36.021 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: BF114657.D
 Acq: 30 May 2019 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB118819BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	565218		
63	48.1	36.6	54.8	
89	51.0	40.2	60.4	

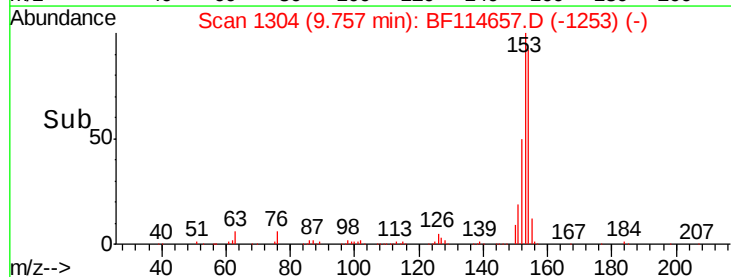
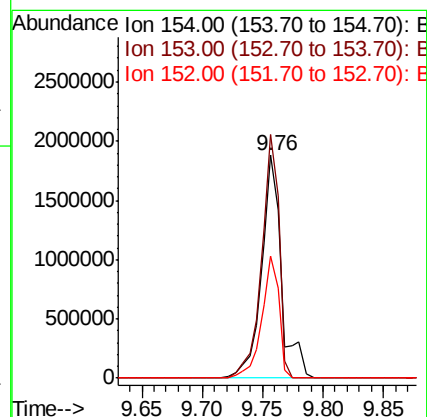
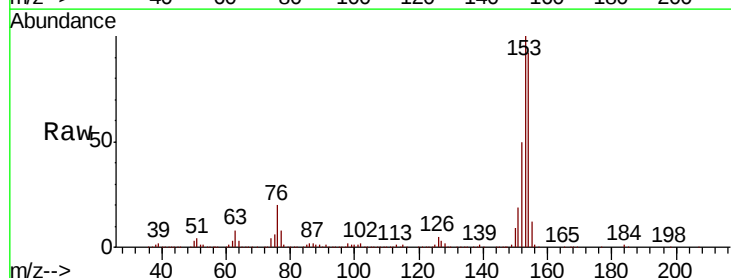
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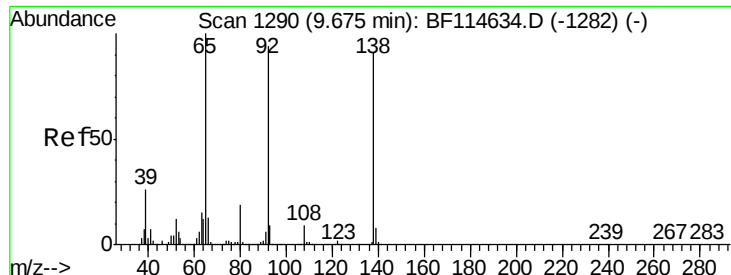
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#52
 Acenaphthene
 Concen: 38.824 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF114657.D
 Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	2170590		
153	109.1	88.4	132.6	
152	54.6	43.4	65.0	





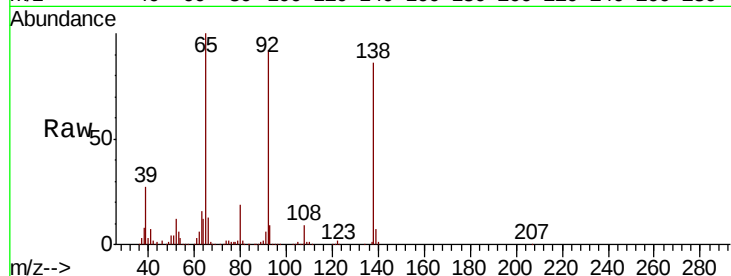
#53
3-Nitroaniline
Concen: 21.195 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.3	12.5
92	107.3	83.1	124.7

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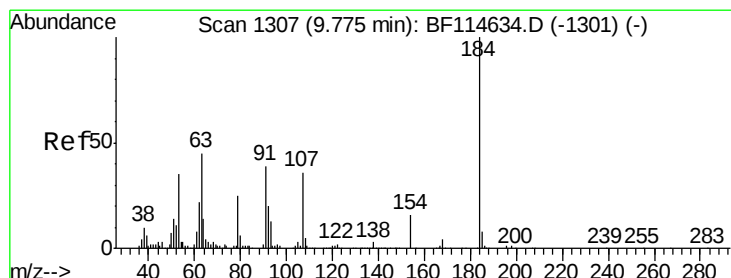
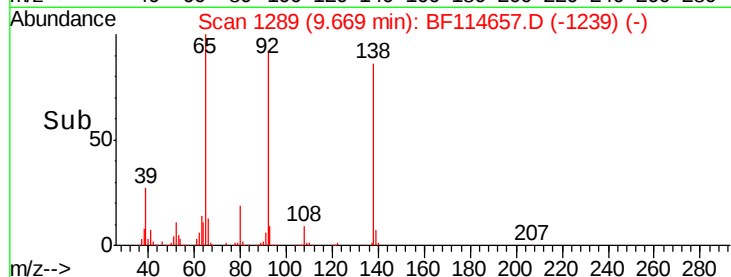
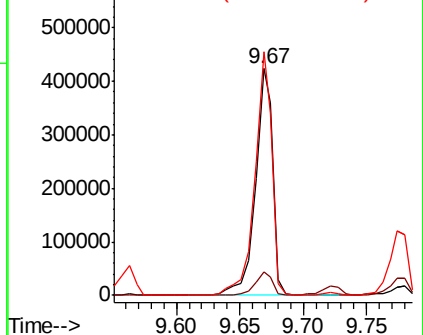


Abundance

Ion 138.00 (137.70 to 138.70): E

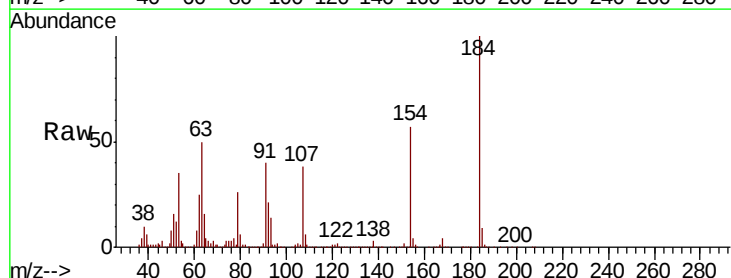
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 81.847 ng
RT: 9.78 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
184	100		
63	49.5	38.8	58.2
154	57.1	43.7	65.5

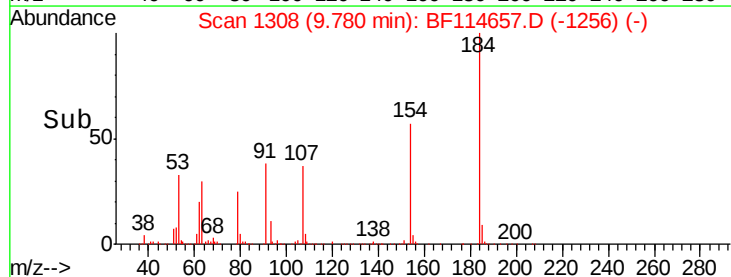
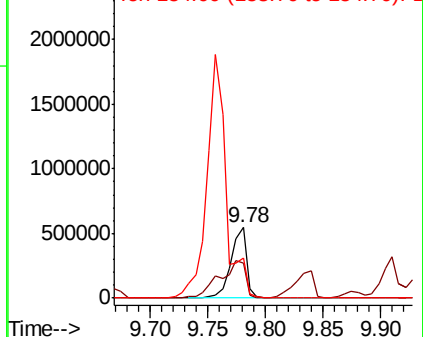


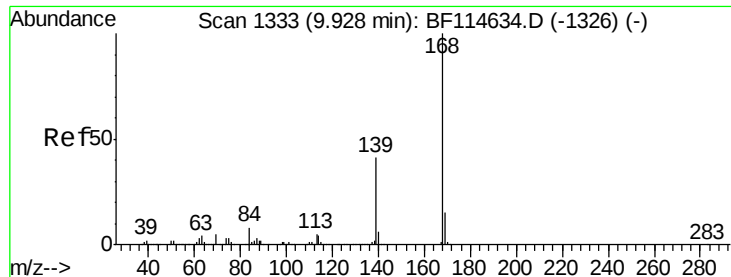
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





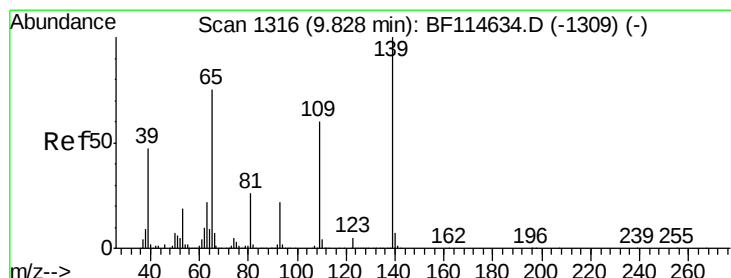
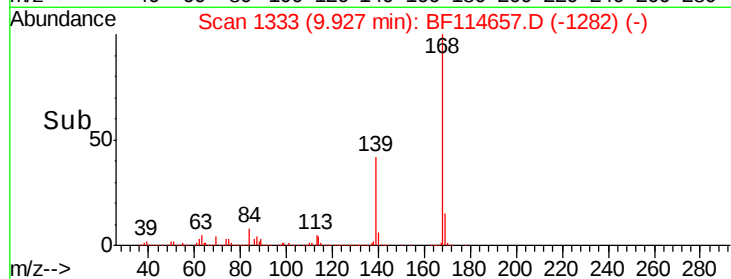
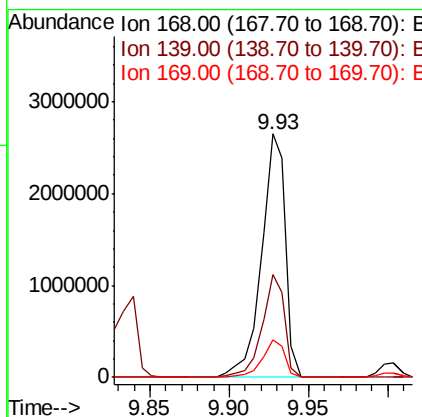
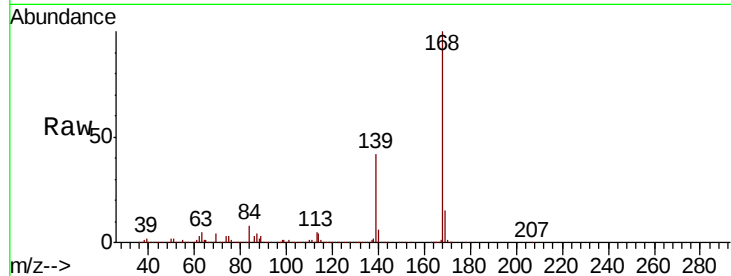
#55
Dibenzenofuran
Concen: 34.922 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.0	32.6	48.8
169	15.2	11.8	17.8

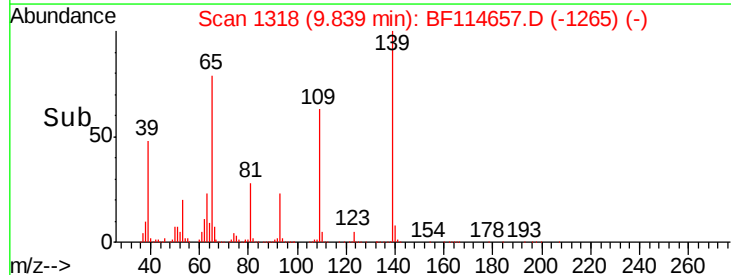
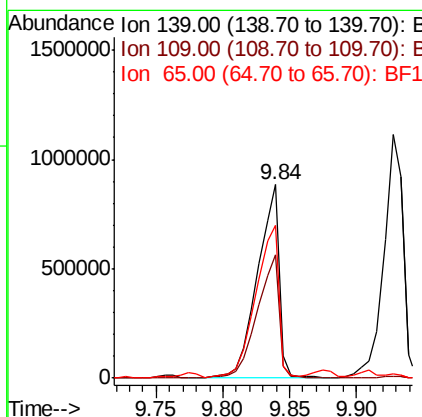
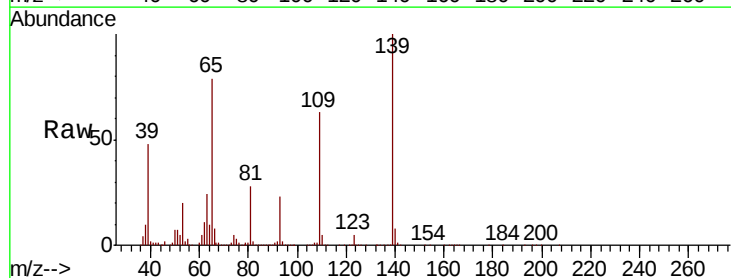
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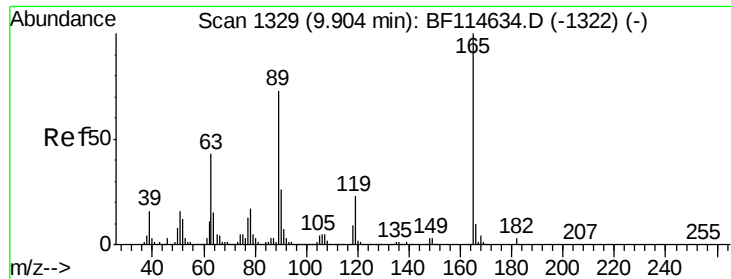
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#56
4-Nitrophenol
Concen: 68.916 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
139	100		
109	63.3	40.4	80.4
65	79.2	54.7	94.7





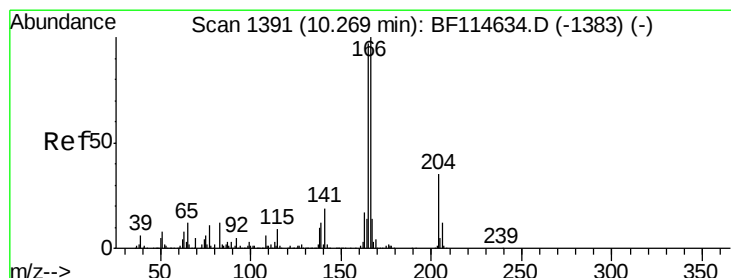
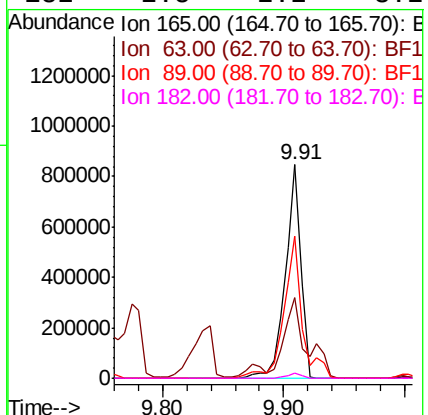
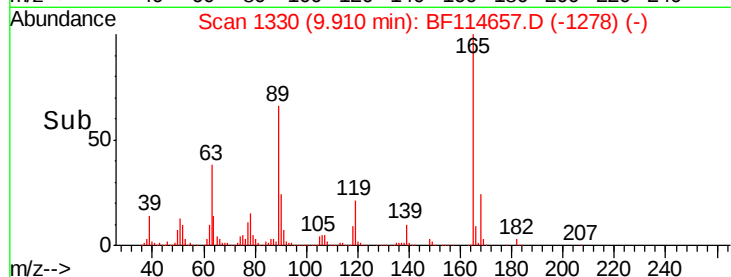
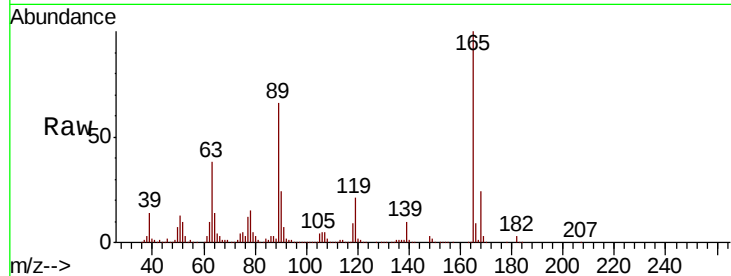
#57
 2,4-Dinitrotoluene
 Concen: 37.120 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: BF114657.D
 Acq: 30 May 2019 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB118819BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		747526		
63	38.0		34.8	52.2	
89	66.4		58.5	87.7	
182	2.5		2.2	3.2	

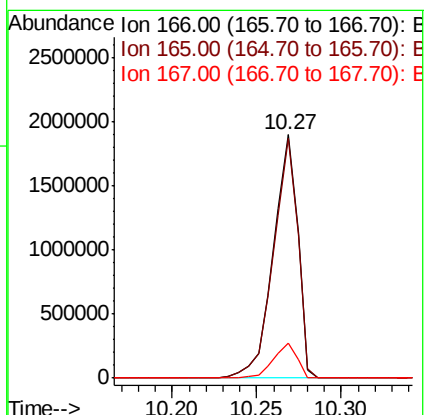
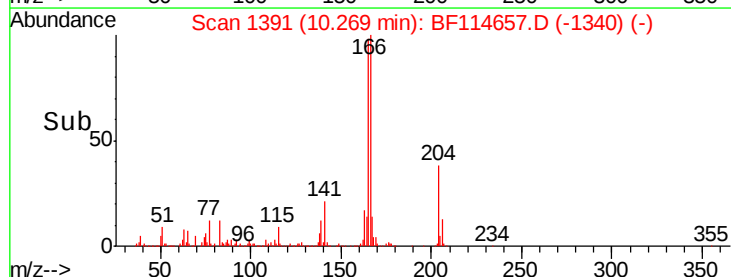
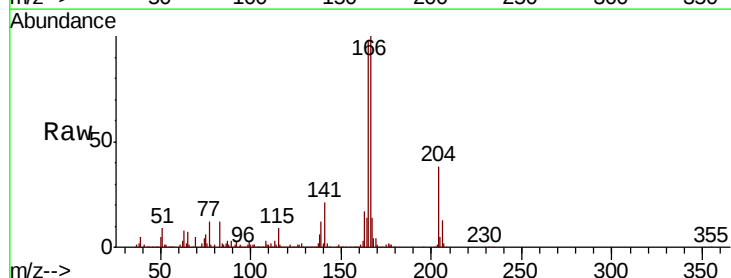
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#58
 Fluorene
 Concen: 35.474 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: BF114657.D
 Acq: 30 May 2019 13:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1906174		
165	98.3		77.6	116.4	
167	14.2		11.2	16.8	





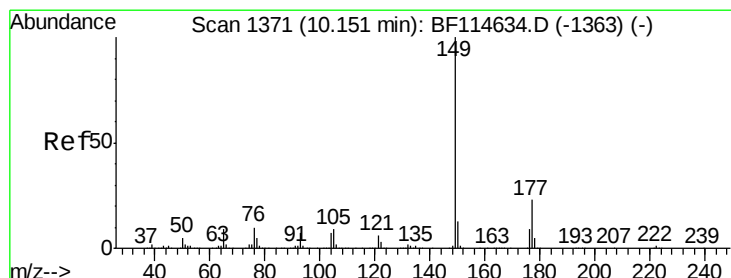
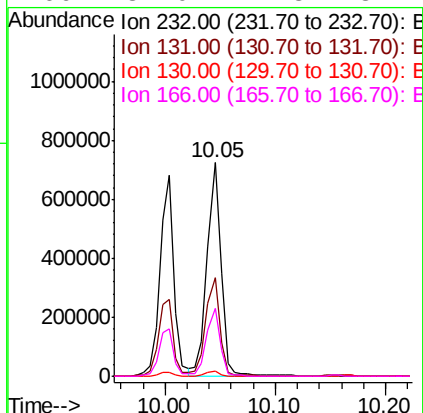
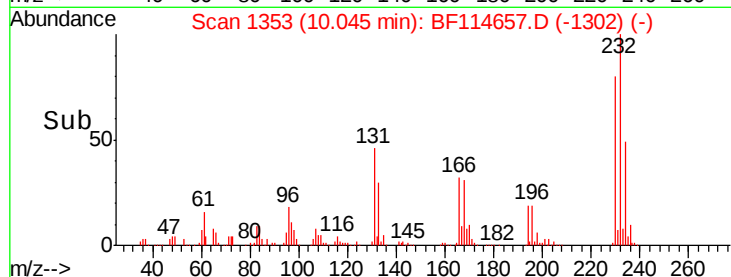
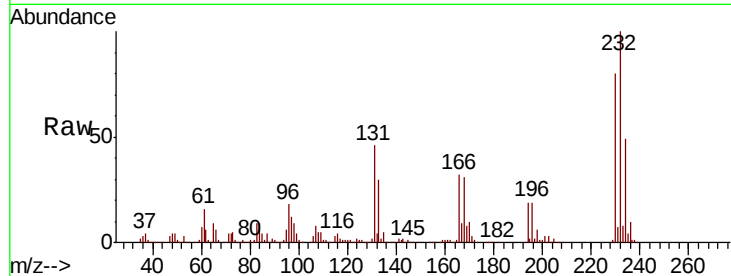
#59
2,3,4,6-Tetrachlorophenol
Concen: 37.245 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.4	37.2	55.8
130	2.4	1.8	2.8
166	31.0	24.8	37.2

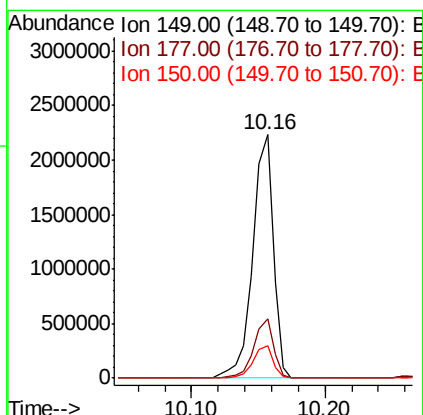
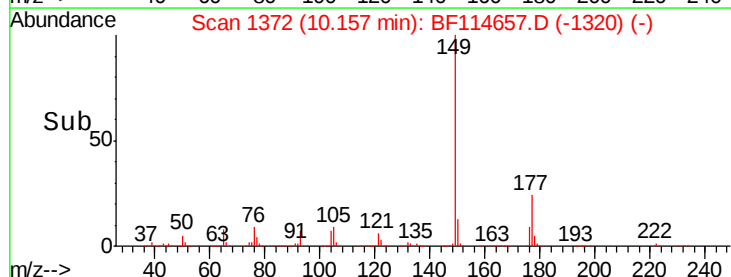
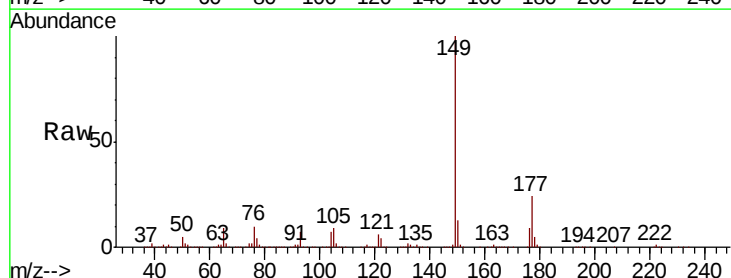
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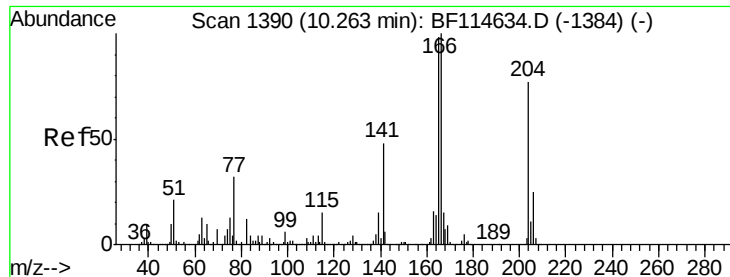
mohammad
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#60
Diethylphthalate
Concen: 34.002 ng
RT: 10.16 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.2	18.6	28.0
150	13.2	10.6	15.8





#61

4-Chlorophenyl-phenylether

Concen: 35.417 ng

RT: 10.26 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

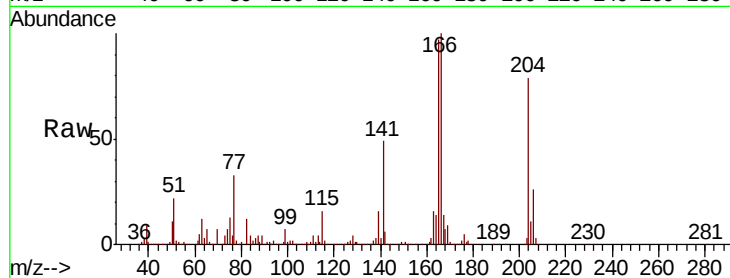
ClientSampled :

PB118819BS

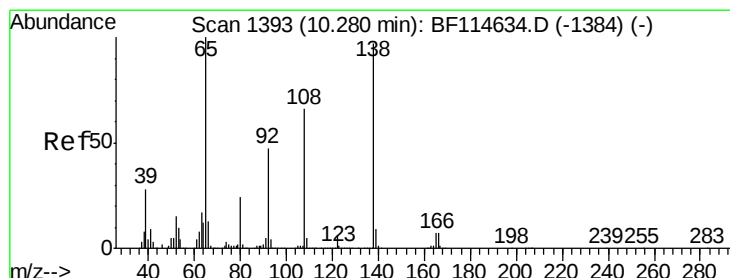
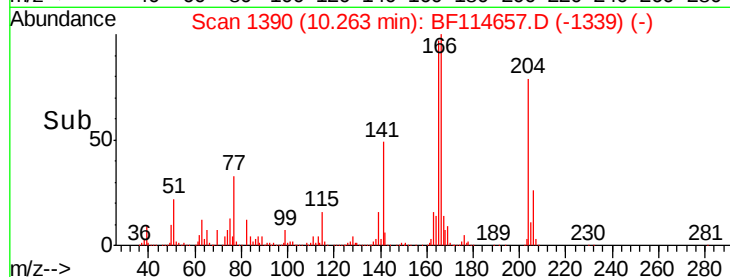
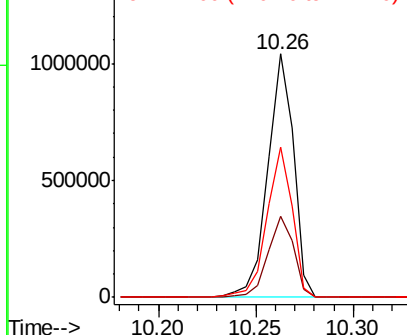
Tot Ion:	204	Resp:	952180
Ion Ratio	Lower	Upper	
204	100		
206	33.3	26.4	39.6
141	61.7	50.0	75.0

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Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 30.969 ng

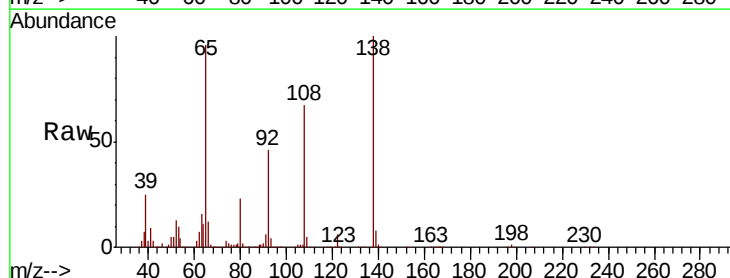
RT: 10.29 min Scan# 1394

Delta R.T. 0.01 min

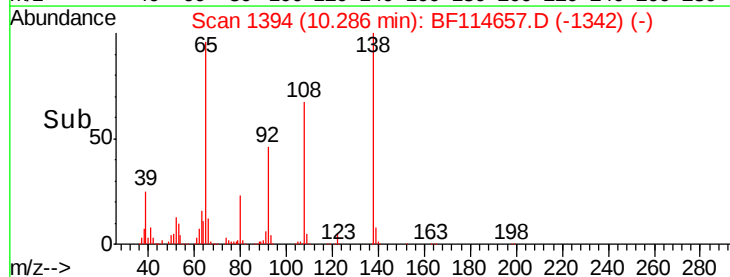
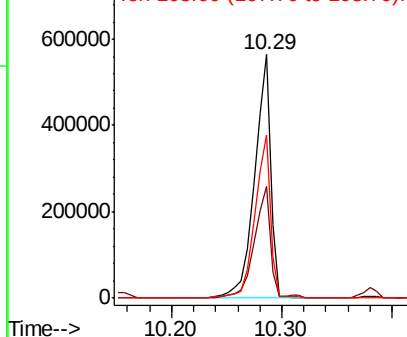
Lab File: BF114657.D

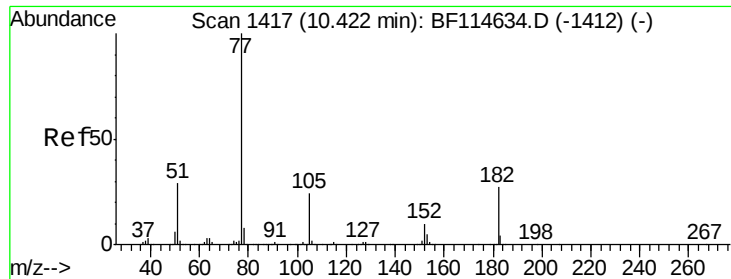
Acq: 30 May 2019 13:34

Tgt Ion:	138	Resp:	579546
Ion Ratio	Lower	Upper	
138	100		
92	46.1	28.0	68.0
108	67.0	48.4	88.4



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 34.333 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

ClientSampleId :

PB118819BS

Tot Ion: 77 Resp: 2174032

Ion Ratio Lower Upper

77 100

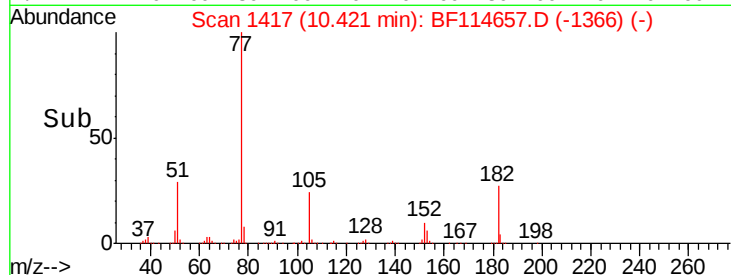
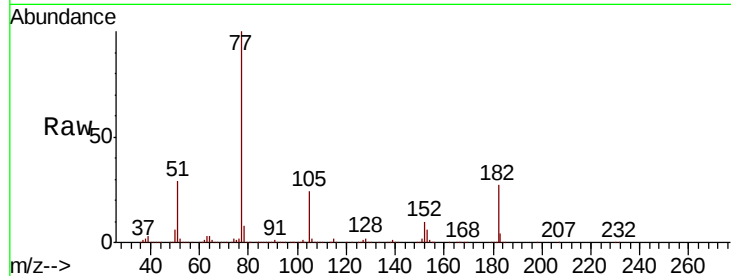
182 27.3 7.0 47.0

105 24.3 3.7 43.7

51 28.9 9.1 49.1

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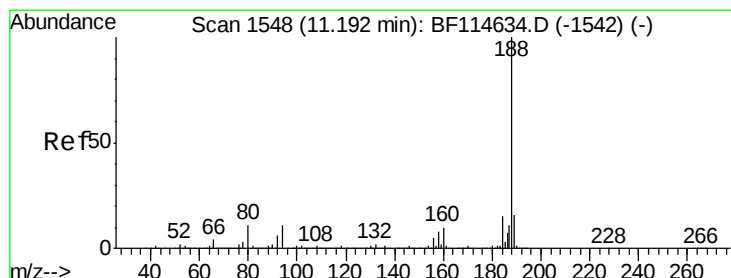
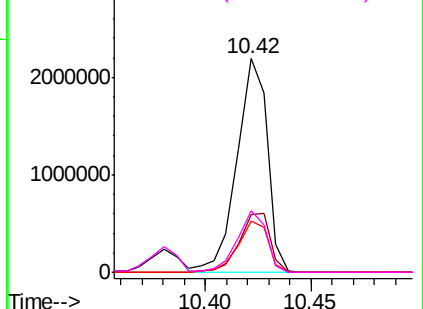


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. 0.01 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

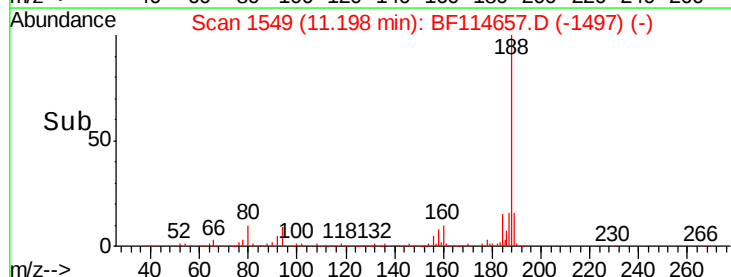
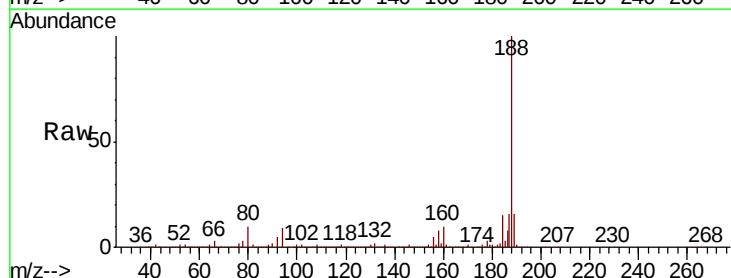
Tgt Ion: 188 Resp: 1768932

Ion Ratio Lower Upper

188 100

94 9.4 8.6 13.0

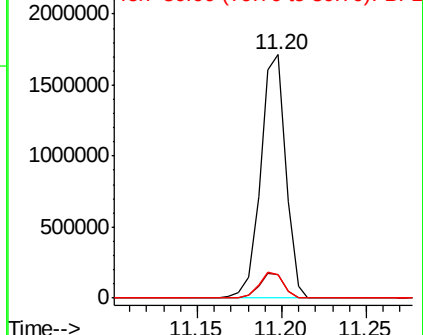
80 9.8 9.0 13.6

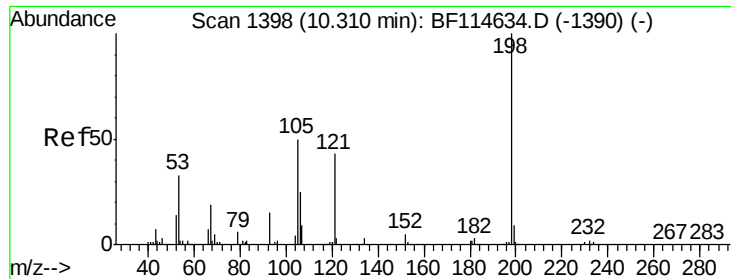


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 39.220 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.01 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

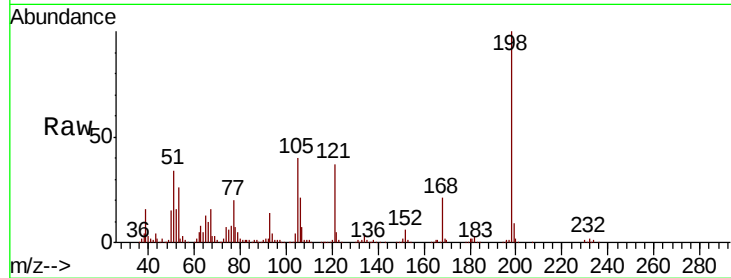
ClientSampleId :

PB118819BS

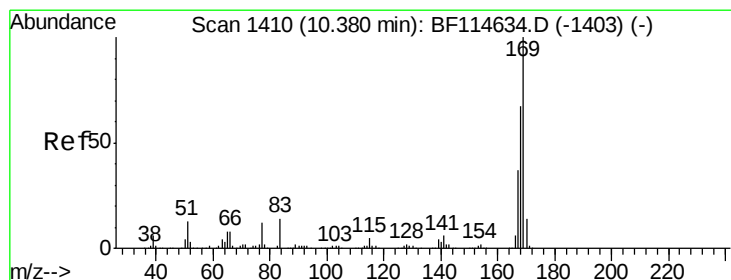
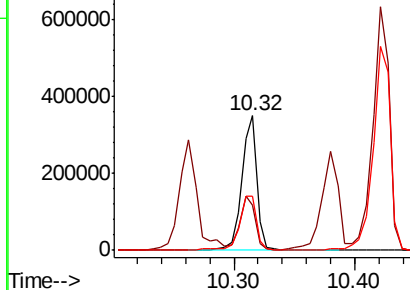
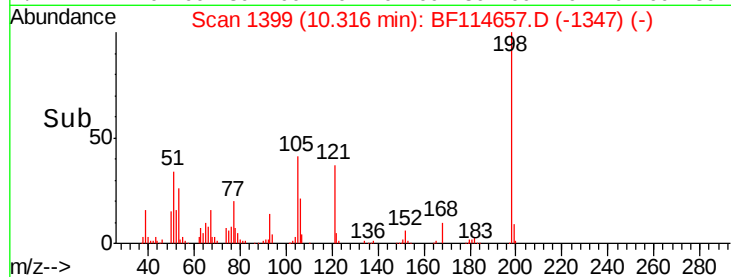
Tot Ion:	198	Resp:	307631
Ion Ratio	Lower	Upper	
198	100		
51	33.7	29.0	69.0
105	39.8	30.4	70.4

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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: 36.803 ng

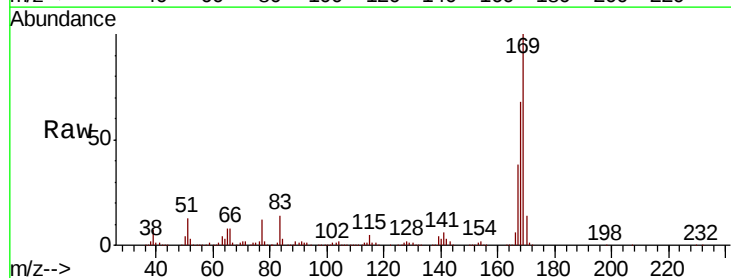
RT: 10.38 min Scan# 1410

Delta R.T. -0.00 min

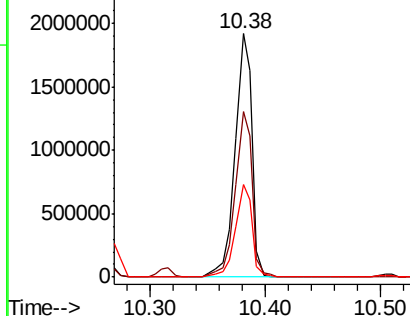
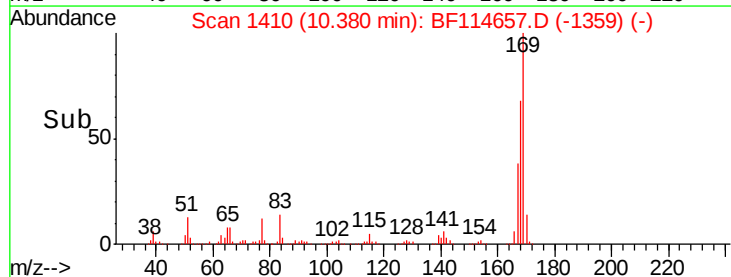
Lab File: BF114657.D

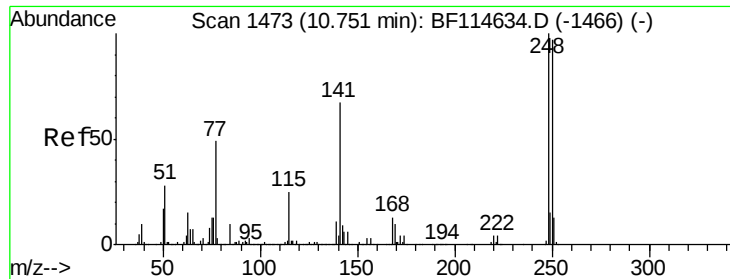
Acq: 30 May 2019 13:34

Tgt Ion:	169	Resp:	1923472
Ion Ratio	Lower	Upper	
169	100		
168	67.9	53.8	80.8
167	38.0	29.8	44.6



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





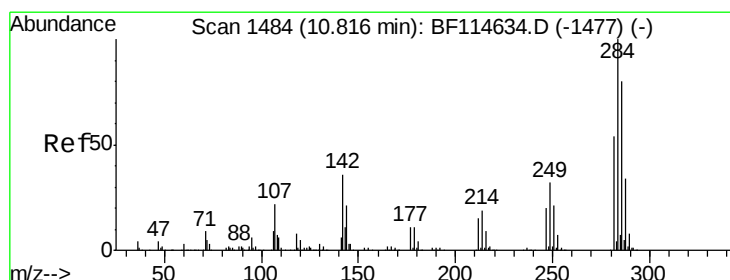
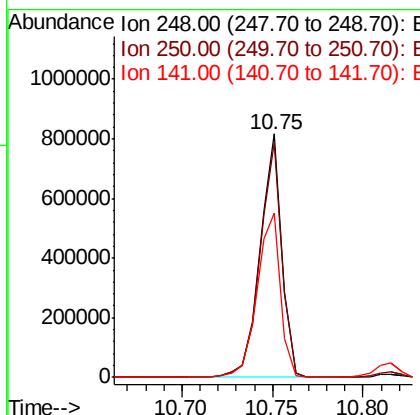
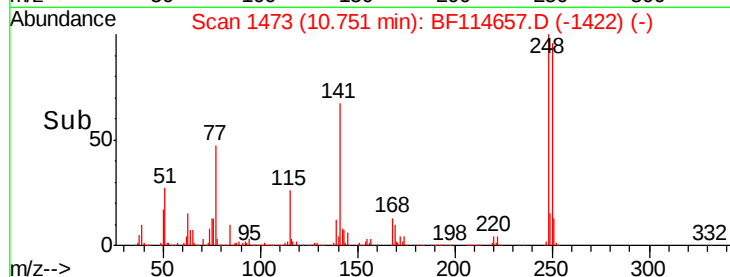
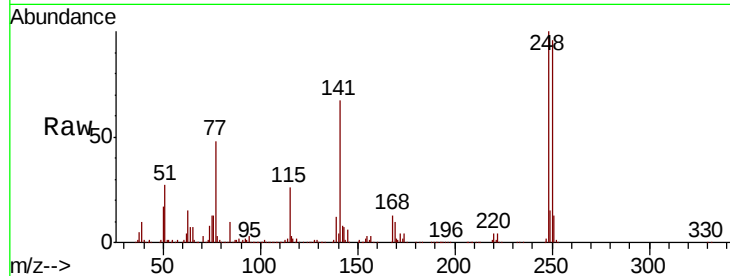
#67
4-Bromophenyl-phenylether
Concen: 35.873 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampled :
PB118819BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.3	78.0	117.0
141	67.3	53.8	80.8

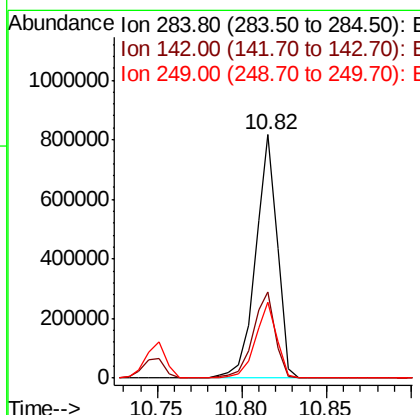
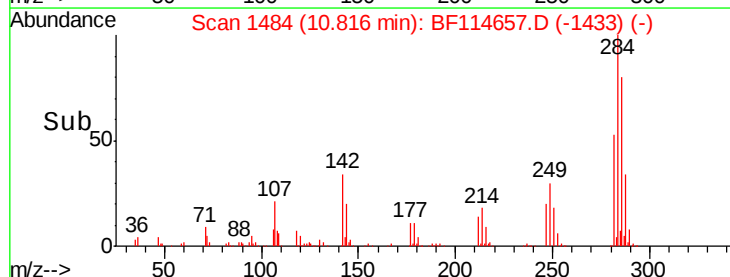
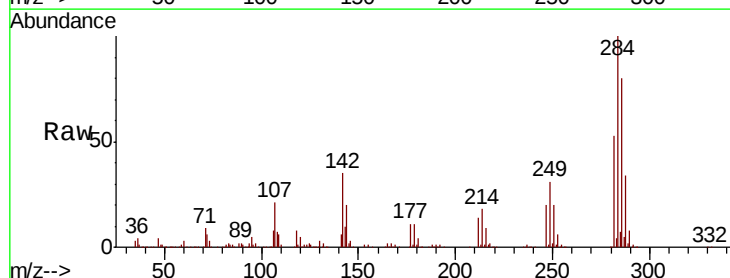
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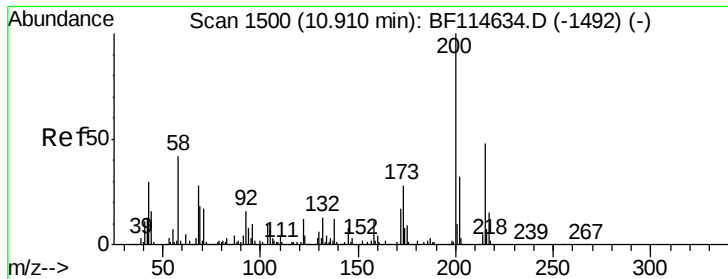
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#68
Hexachlorobenzene
Concen: 35.486 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.2	28.9	43.3
249	31.0	25.8	38.6





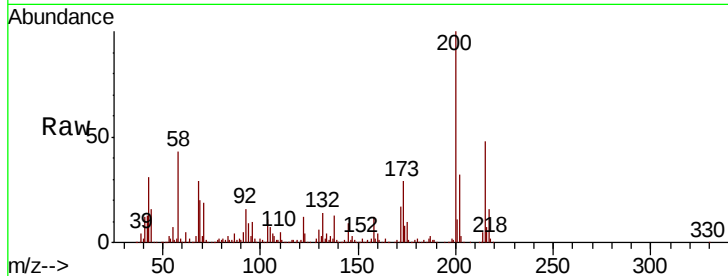
#69
Atrazine
Concen: 35.820 ng
RT: 10.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	589840		
173	28.6	7.9	47.9	
215	48.1	27.8	67.8	

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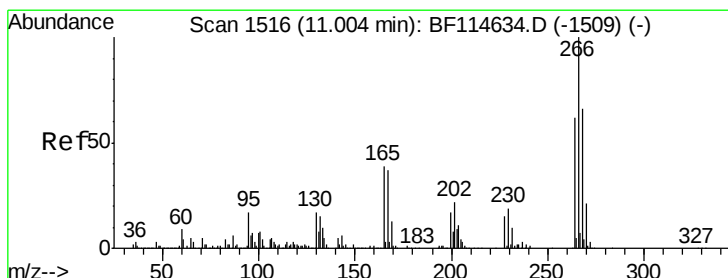
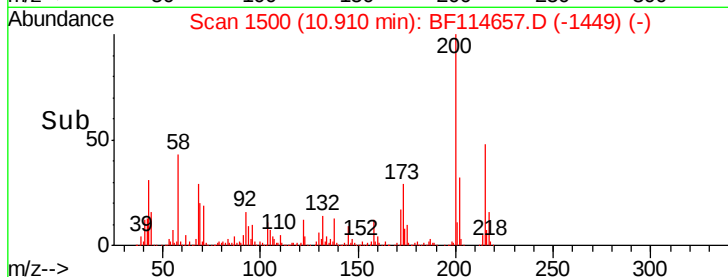
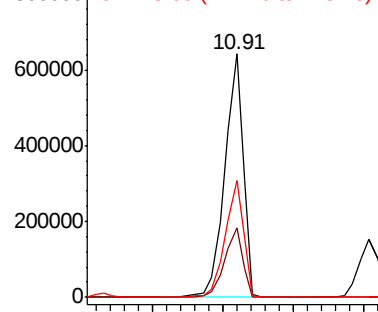


Abundance

Ion 200.00 (199.70 to 200.70): E

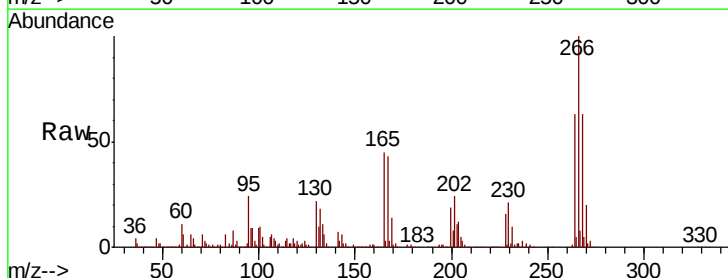
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 69.783 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	826499		
268	63.1	52.8	79.2	
264	62.8	49.9	74.9	

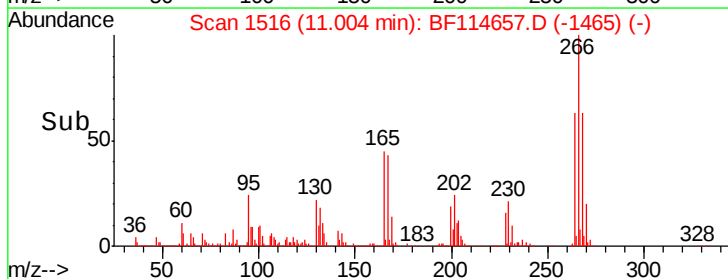
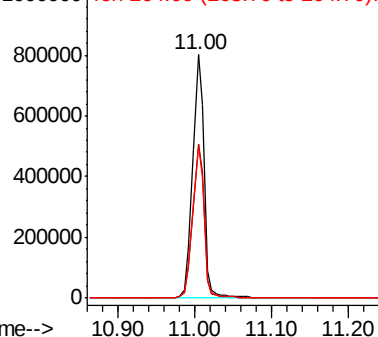


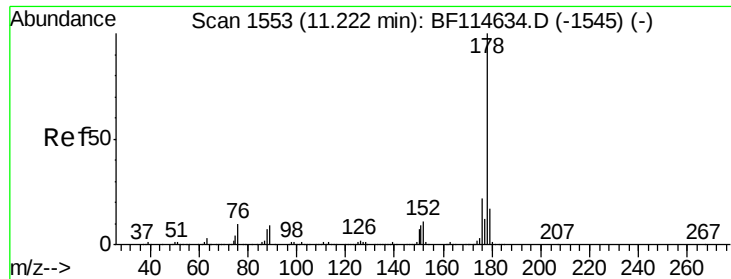
Abundance

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: 33.118 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

ClientSampleId :

PB118819BS

Tot Ion:178 Resp: 2988434

Ion Ratio Lower Upper

178 100

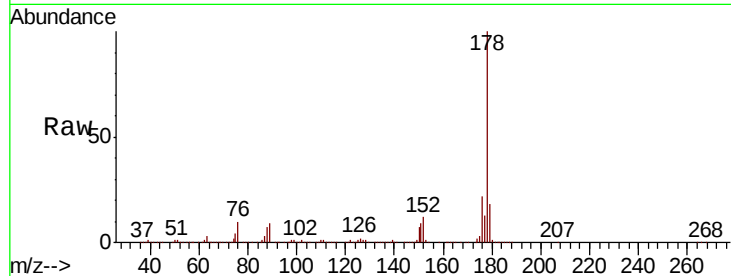
176 21.9 17.2 25.8

179 17.7 13.9 20.9

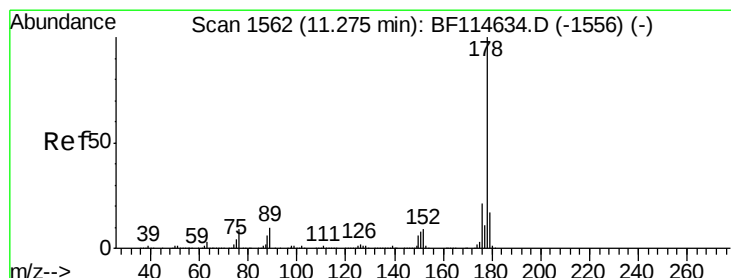
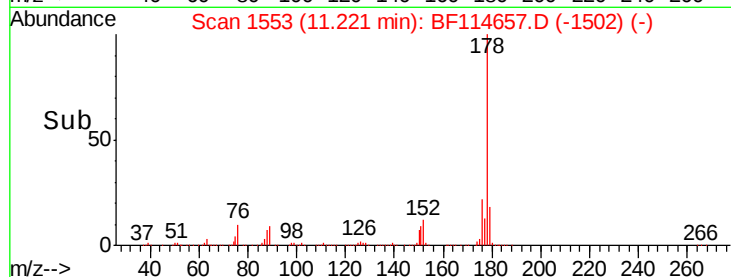
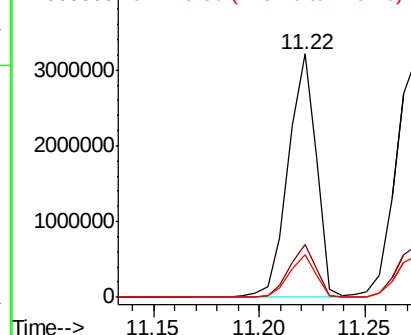
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 33.608 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

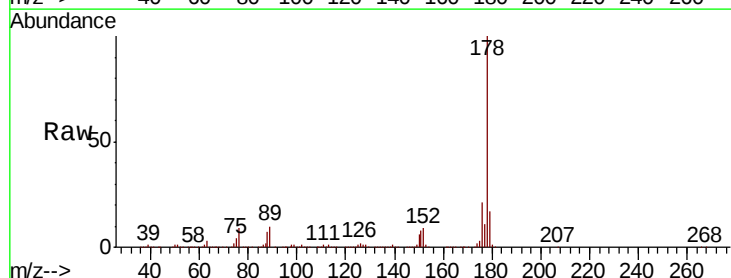
Tgt Ion:178 Resp: 3069309

Ion Ratio Lower Upper

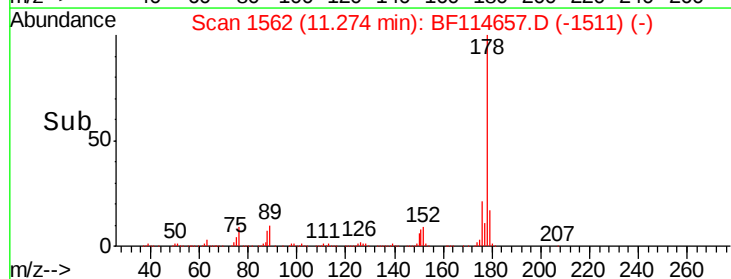
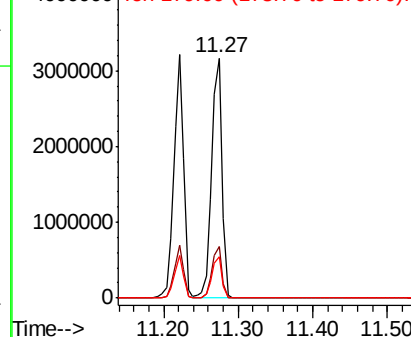
178 100

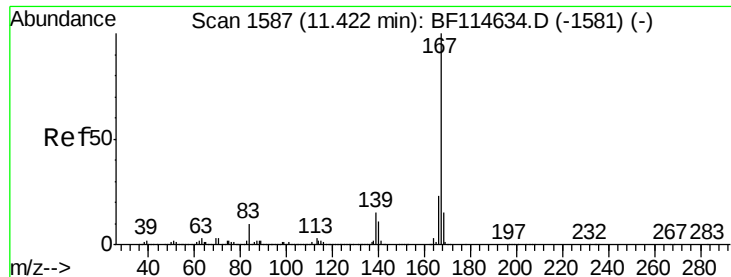
176 21.3 16.6 24.8

179 17.4 13.4 20.0



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





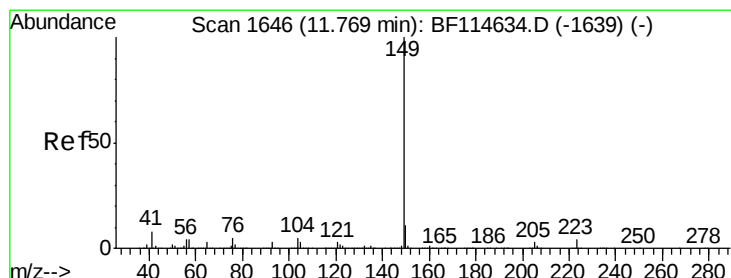
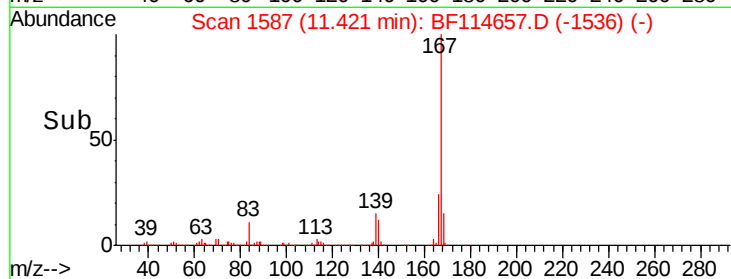
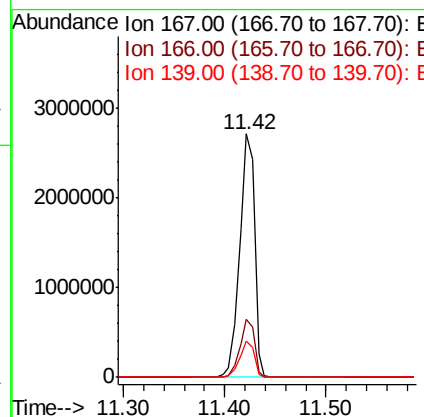
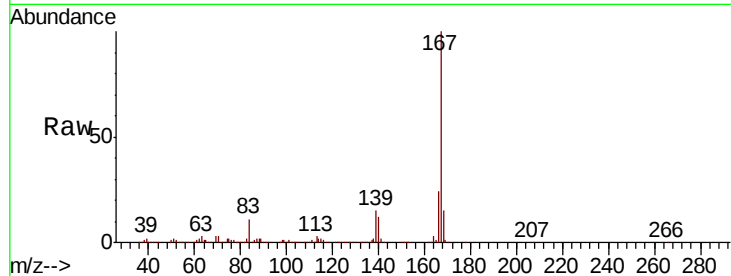
#73
 Carbazole
 Concen: 34.451 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: BF114657.D
 Acq: 30 May 2019 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB118819BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.6	18.7	28.1
139	15.0	11.8	17.8

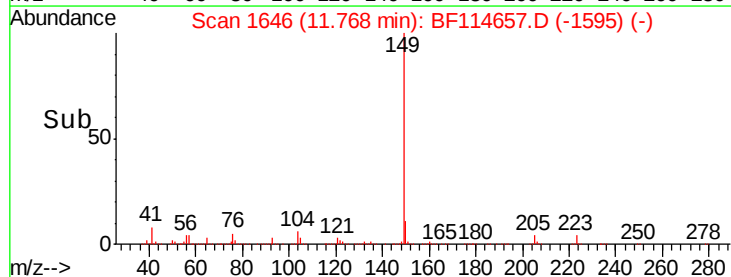
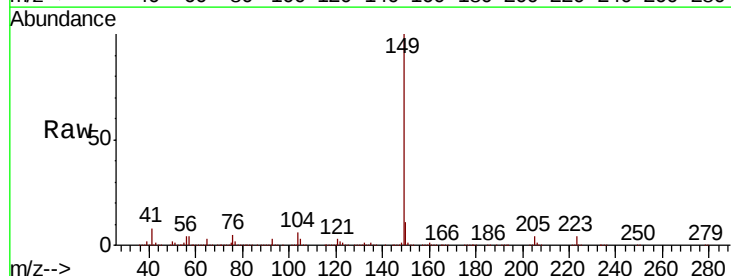
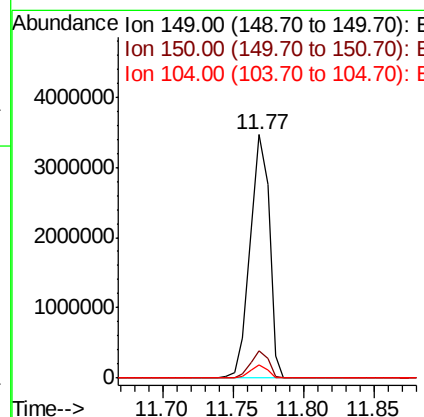
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#74
 Di-n-butylphthalate
 Concen: 33.825 ng
 RT: 11.77 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: BF114657.D
 Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.1	8.6	12.8
104	5.6	4.3	6.5





#75

Fluoranthene

Concen: 32.874 ng

RT: 12.40 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

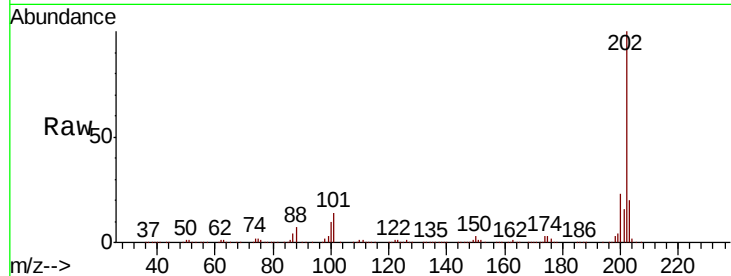
ClientSampleId :

PB118819BS

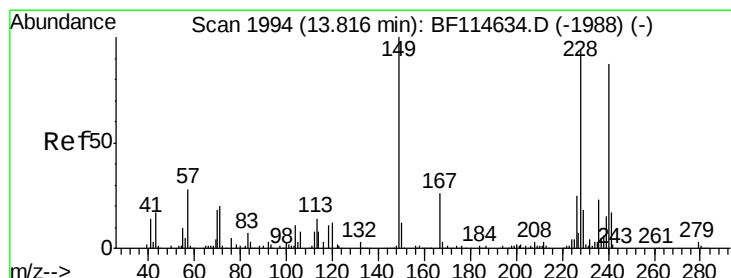
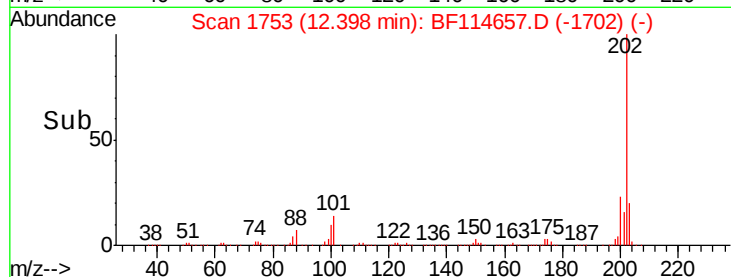
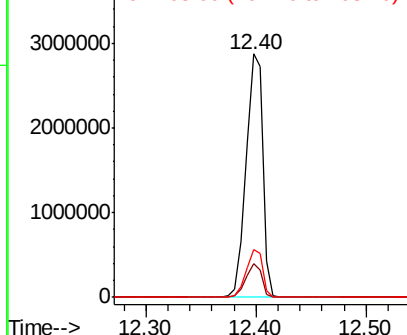
Tot Ion:	202	Resp:	3071625
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	33.9
203	19.8	0.0	39.1

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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

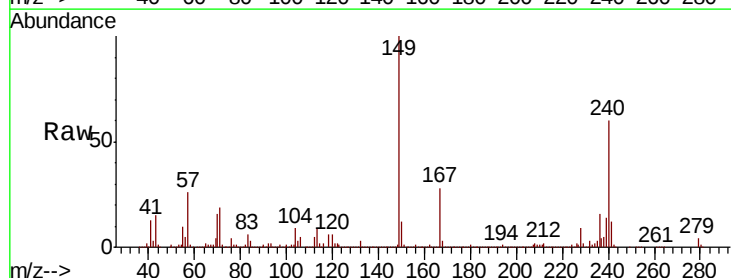
RT: 13.82 min Scan# 1995

Delta R.T. 0.01 min

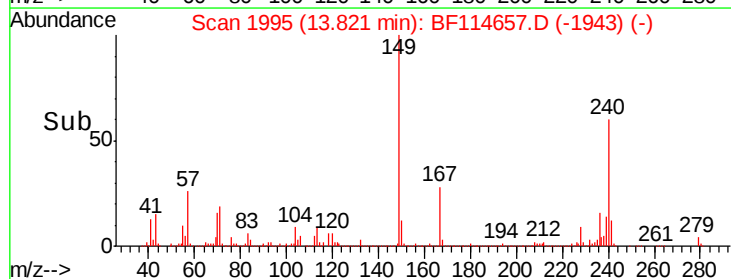
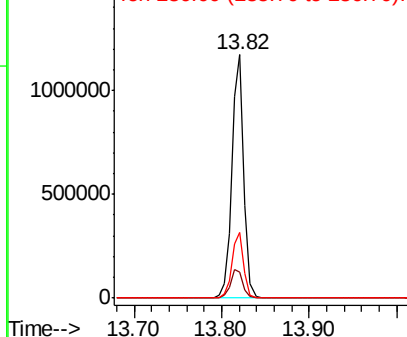
Lab File: BF114657.D

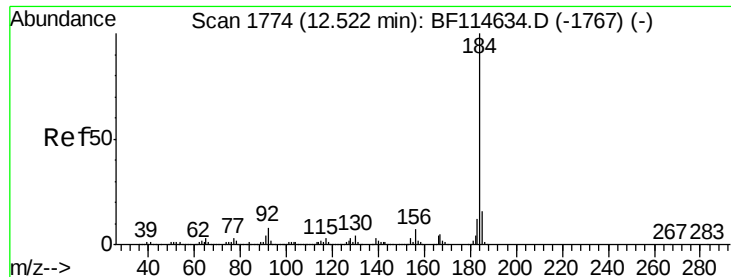
Acq: 30 May 2019 13:34

Tgt Ion:	240	Resp:	1086179
Ion Ratio	Lower	Upper	
240	100		
120	10.7	11.2	16.8#
236	27.1	21.2	31.8



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: 25.024 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

ClientSampleId :

PB118819BS

Tot Ion:184 Resp: 1119228

Ion Ratio Lower Upper

184 100

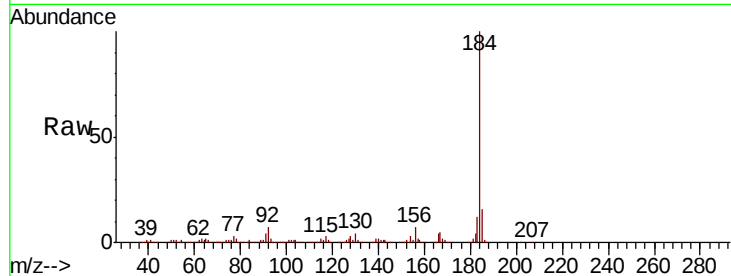
185 16.3 12.6 18.8

183 11.8 9.4 14.2

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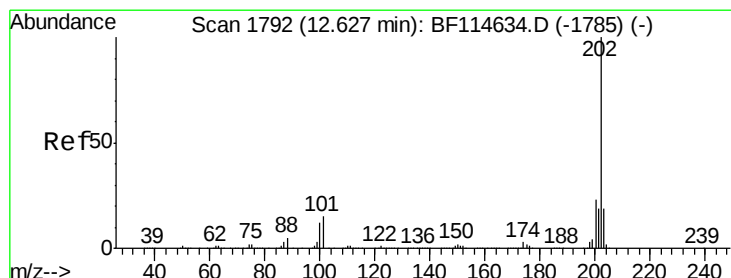
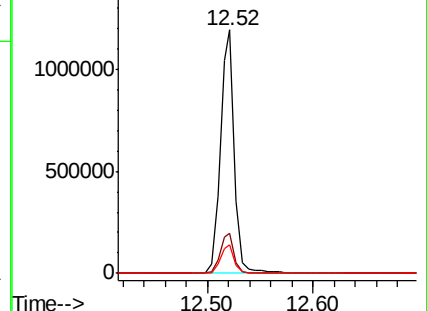
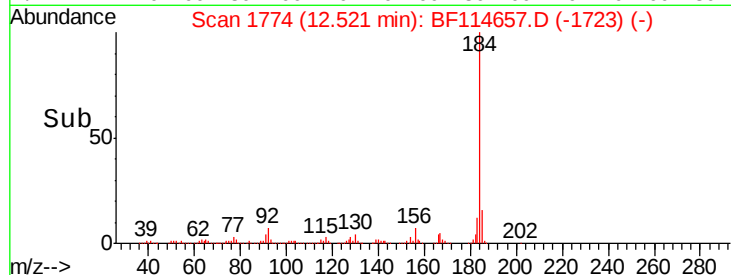
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 33.672 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

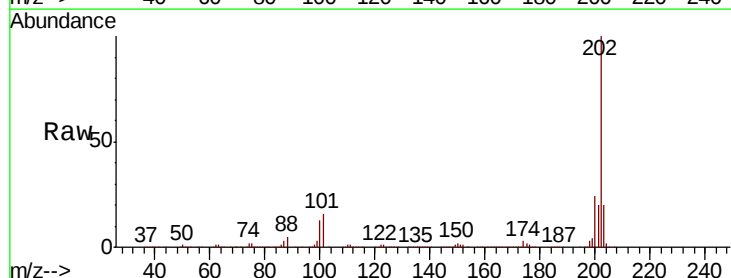
Tgt Ion:202 Resp: 3093844

Ion Ratio Lower Upper

202 100

200 24.1 18.6 28.0

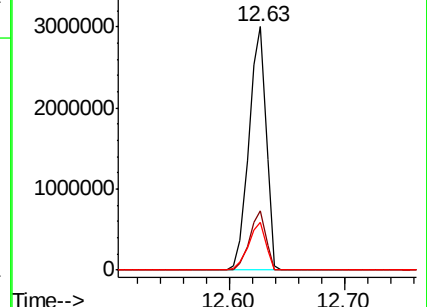
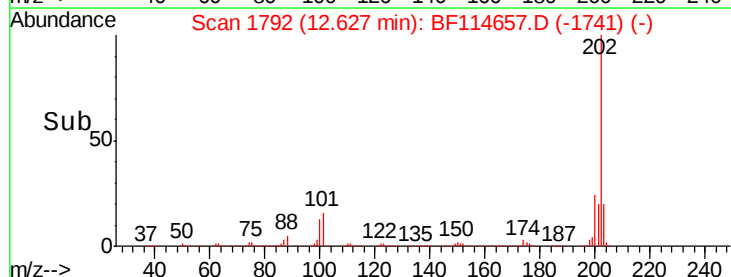
203 19.8 15.4 23.2

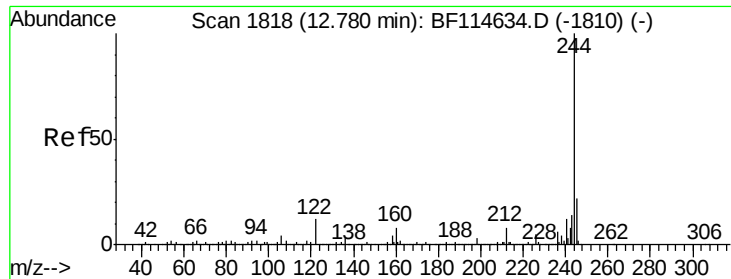


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 73.374 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

ClientSampleId :

PB118819BS

Tot Ion:244 Resp: 4238879

Ion Ratio Lower Upper

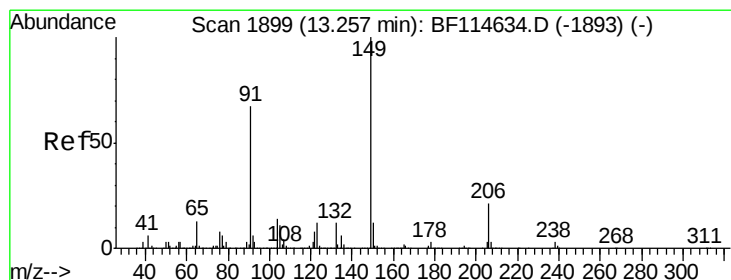
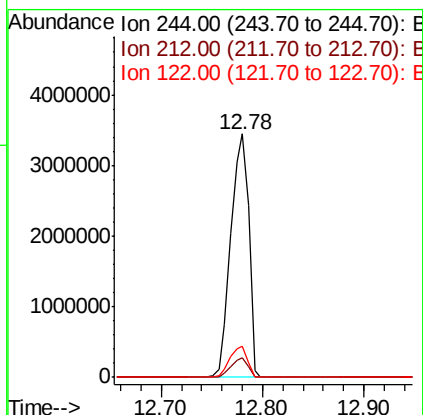
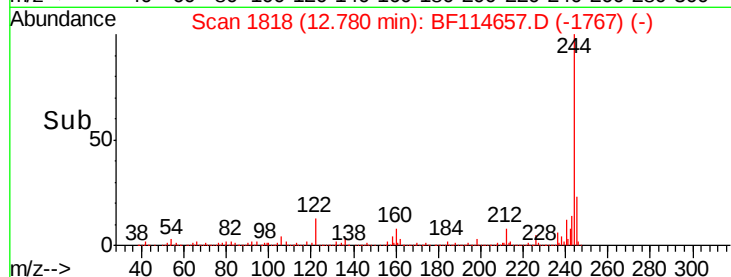
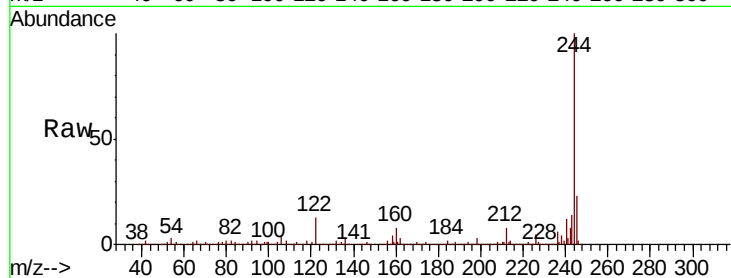
244 100

212 8.0 6.1 9.1

122 12.6 9.8 14.8

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#80

Butylbenzylphthalate

Concen: 33.053 ng

RT: 13.26 min Scan# 1899

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

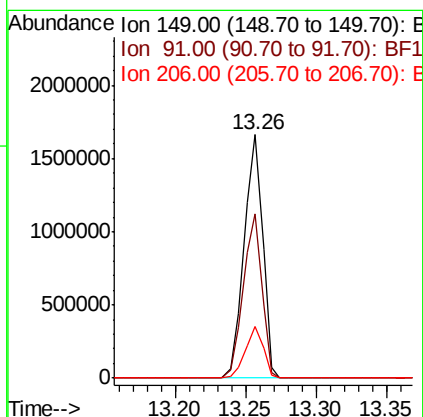
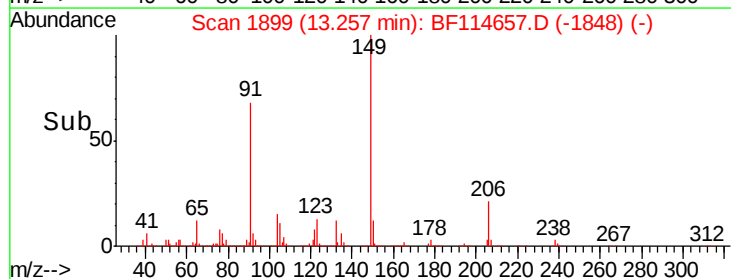
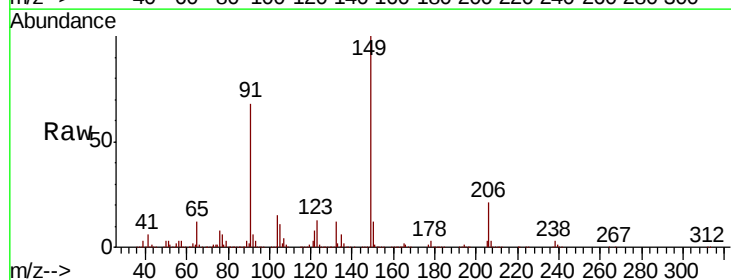
Tgt Ion:149 Resp: 1526281

Ion Ratio Lower Upper

149 100

91 67.7 53.8 80.8

206 21.4 16.9 25.3





#81

Benzo(a)anthracene

Concen: 33.266 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

ClientSampleId :

PB118819BS

Tot Ion:228 Resp: 2776689

Ion Ratio Lower Upper

228 100

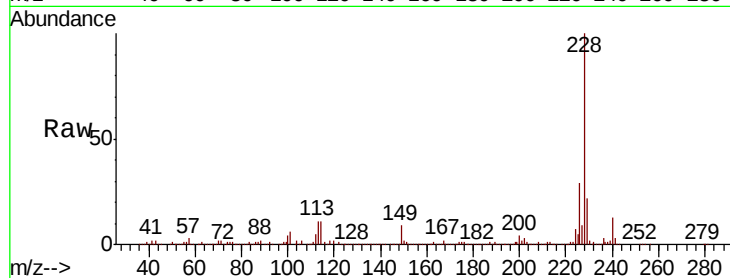
226 29.1 23.0 34.6

229 21.6 17.0 25.4

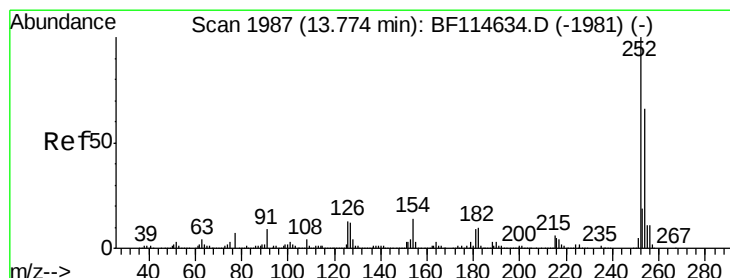
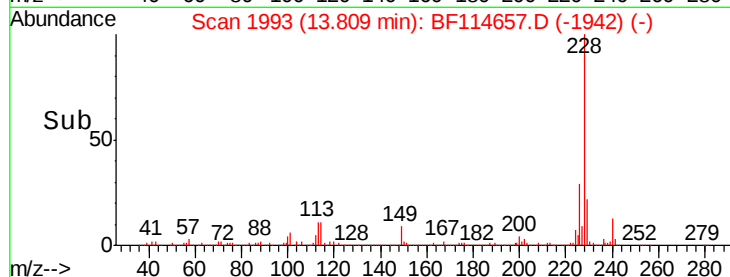
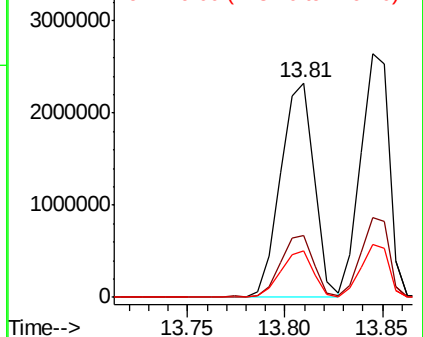
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 27.486 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

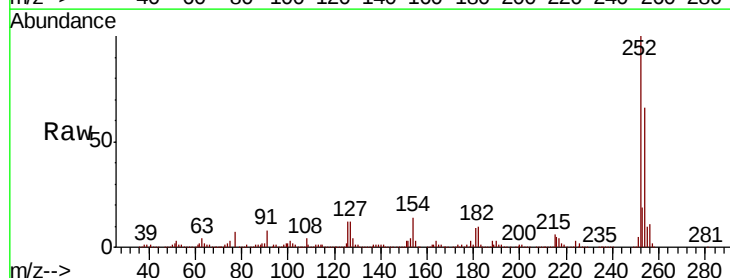
Tgt Ion:252 Resp: 885992

Ion Ratio Lower Upper

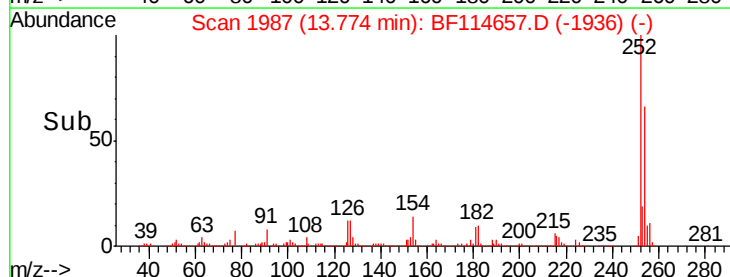
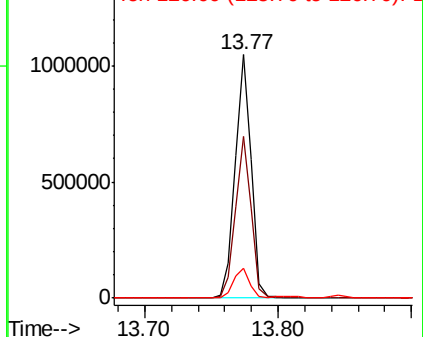
252 100

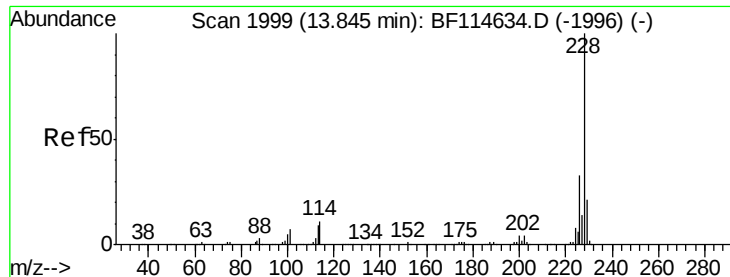
254 66.4 53.1 79.7

126 12.0 10.2 15.2



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





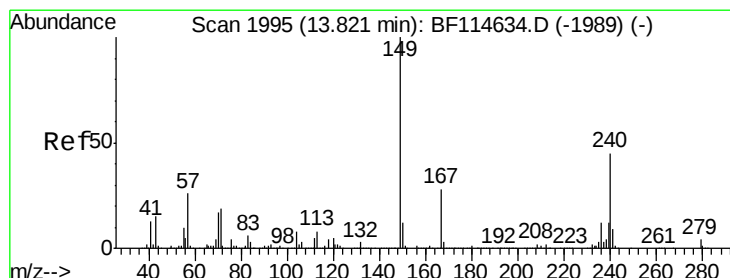
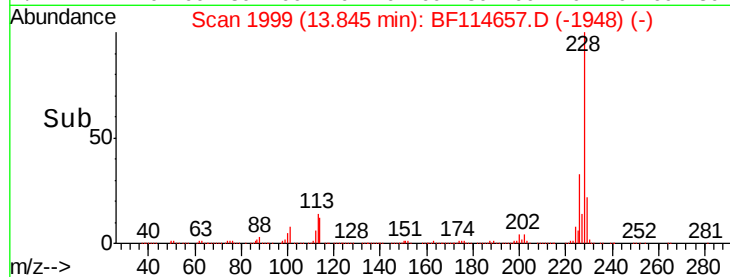
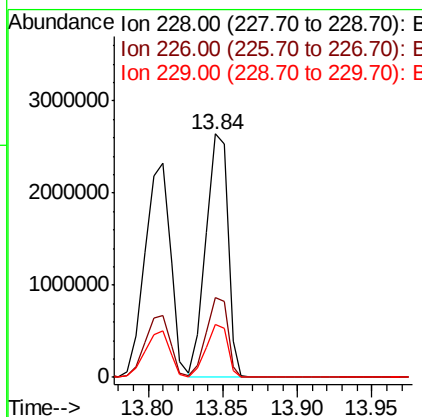
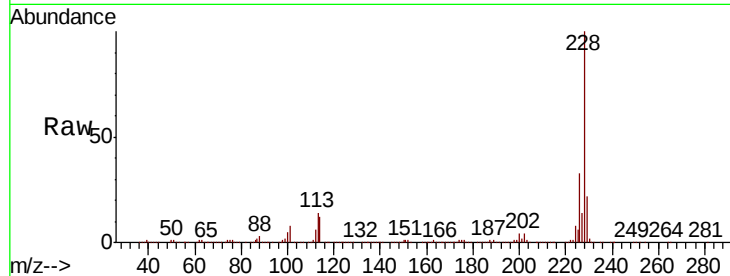
#83
Chrysene
Concen: 33.801 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.8	26.4	39.6
229	21.8	17.1	25.7

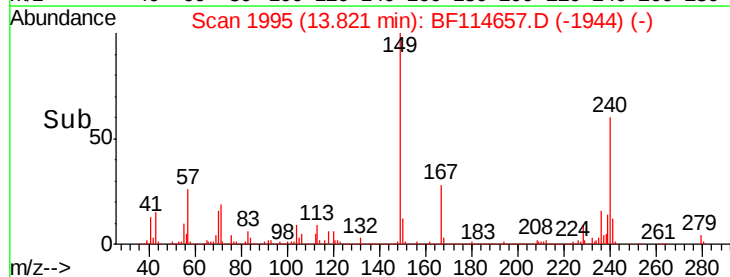
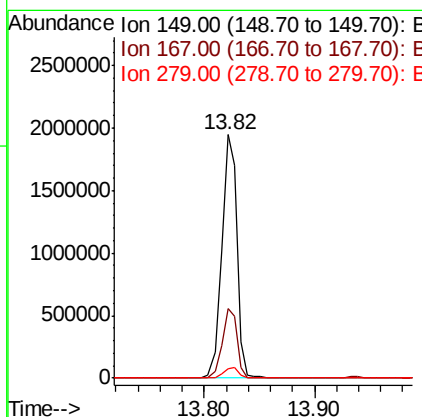
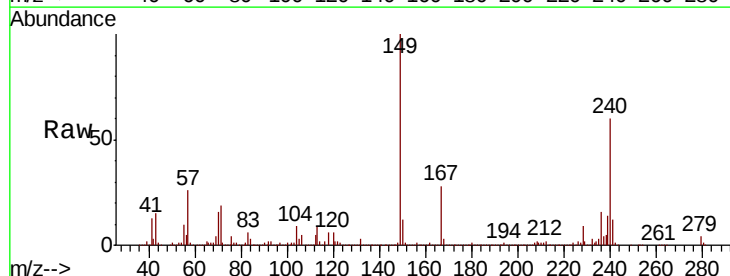
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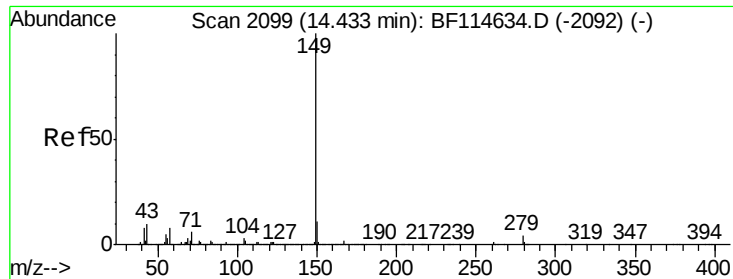
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 32.454 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.6	33.8
279	3.8	3.0	4.4





#85

Di-n-octyl phthalate

Concen: 33.248 ng

RT: 14.43 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

ClientSampleId :

PB118819BS

Tot Ion:149 Resp: 3297807

Ion Ratio Lower Upper

149 100

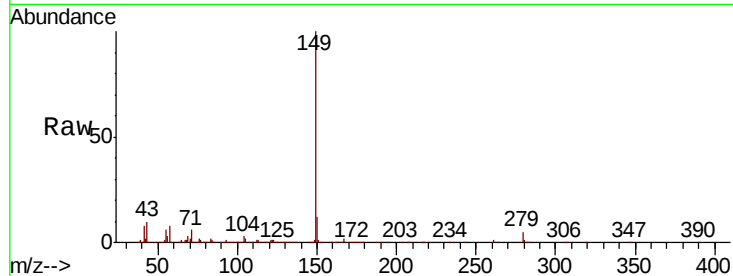
167 1.7 1.3 1.9

43 9.5 8.0 12.0

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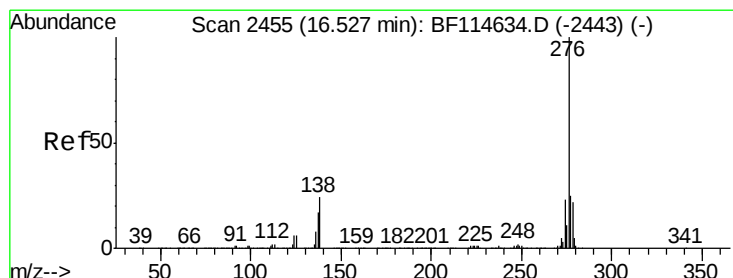
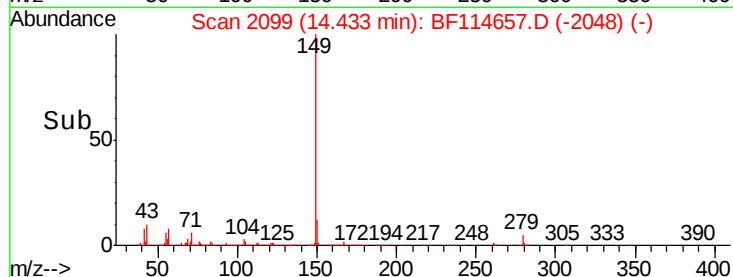
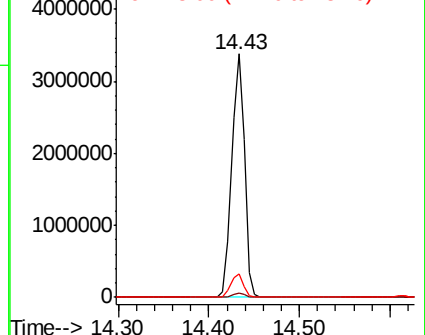
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 34.397 ng

RT: 16.53 min Scan# 2456

Delta R.T. 0.01 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

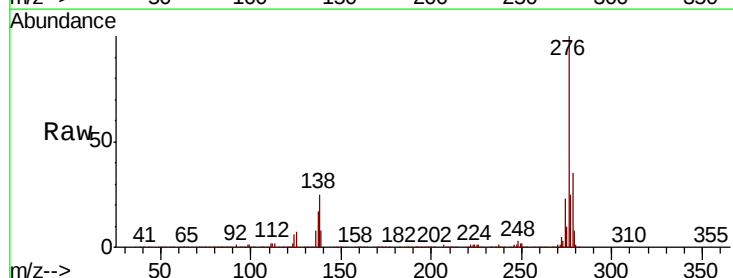
Tgt Ion:276 Resp: 2747354

Ion Ratio Lower Upper

276 100

138 28.2 23.0 34.6

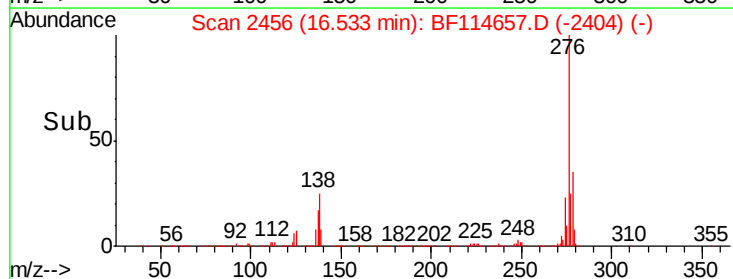
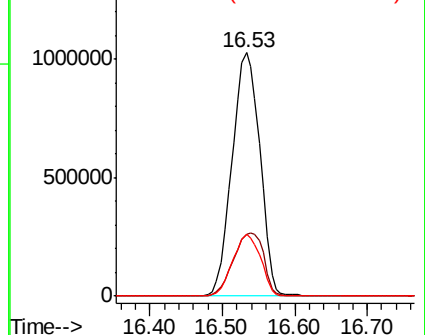
277 25.5 20.5 30.7

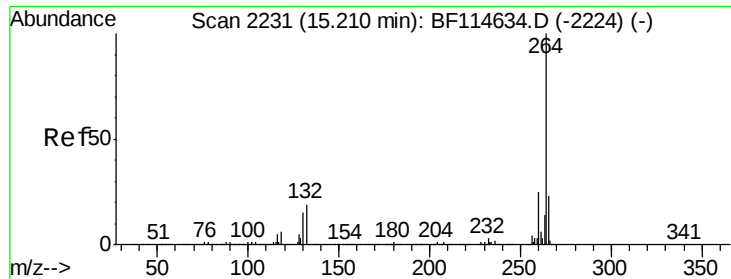


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.21 min Scan# 2231

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

Instrument :

BNA_F

ClientSampleId :

PB118819BS

Tot Ion:264 Resp: 1171165

Ion Ratio Lower Upper

264 100

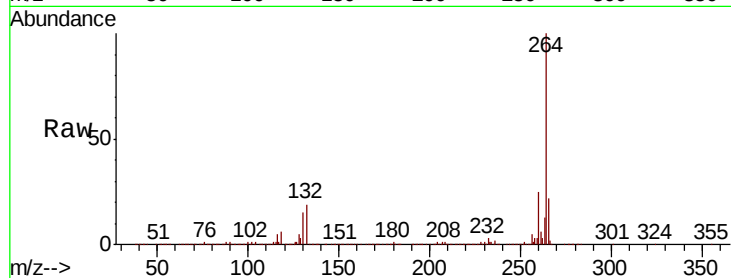
260 24.9 19.7 29.5

265 22.0 18.1 27.1

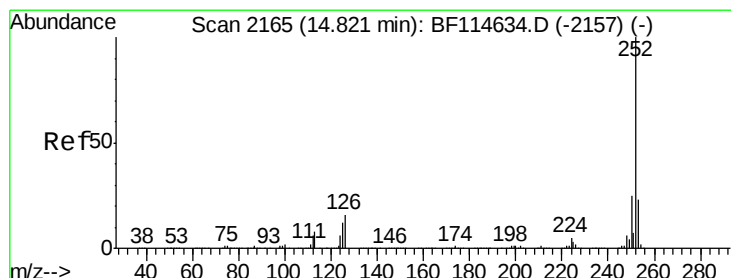
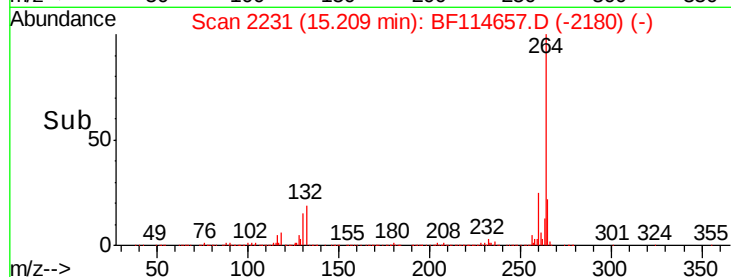
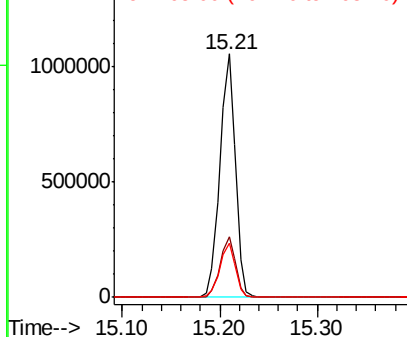
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 41.872 ng

RT: 14.82 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BF114657.D

Acq: 30 May 2019 13:34

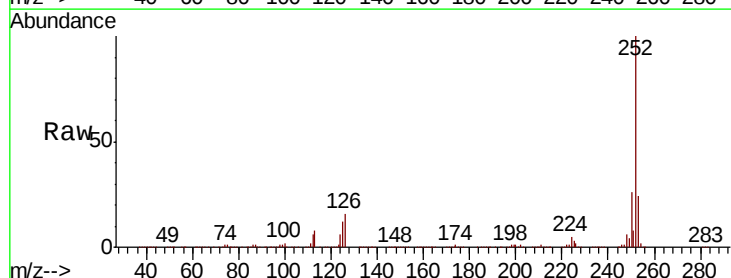
Tgt Ion:252 Resp: 3088665

Ion Ratio Lower Upper

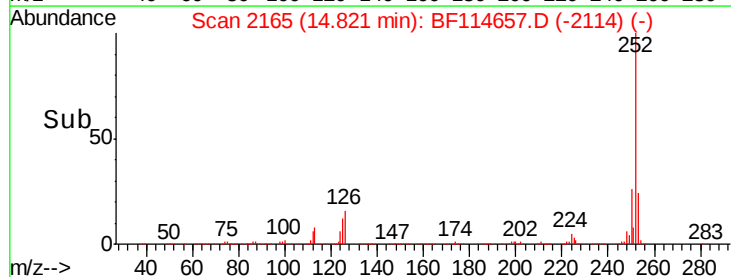
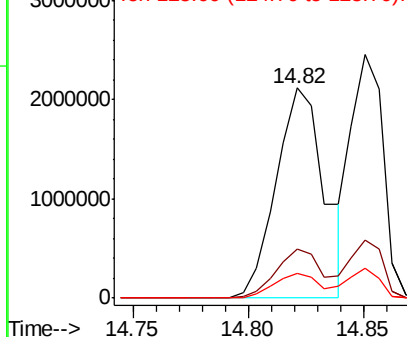
252 100

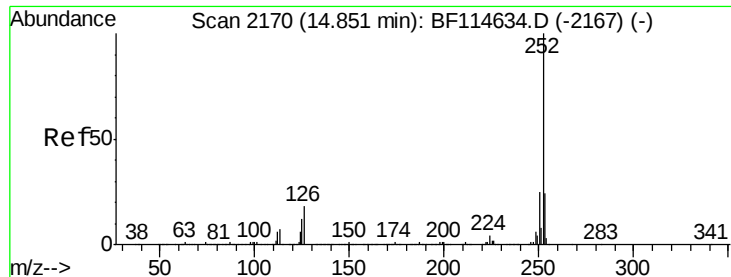
253 23.7 18.7 28.1

125 12.0 9.4 14.2



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





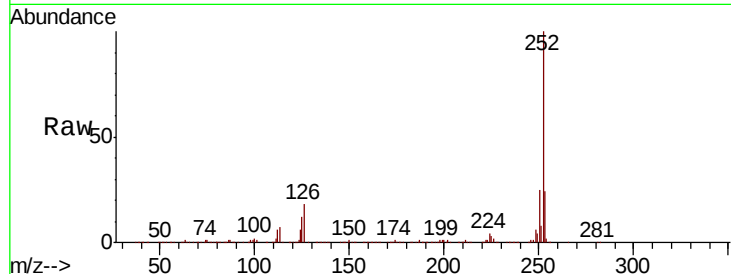
#89
Benzo(k)fluoranthene
Concen: 37.134 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.9	28.3
125	12.4	9.5	14.3

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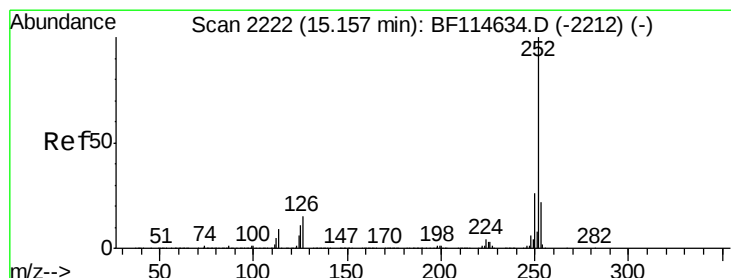
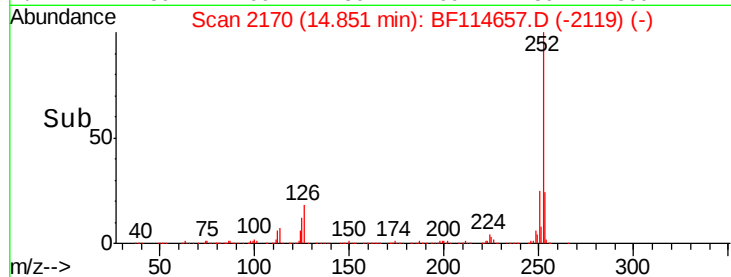
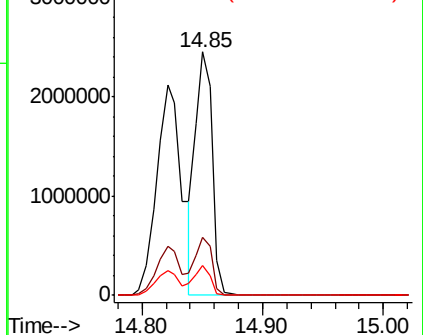


Abundance

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



#90
Benzo(a)pyrene
Concen: 40.947 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

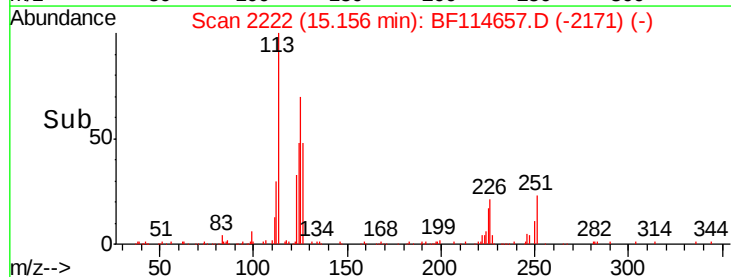
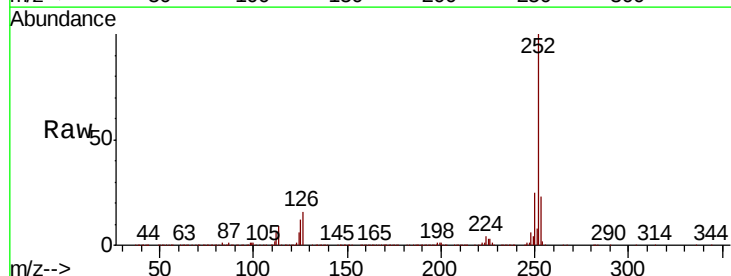
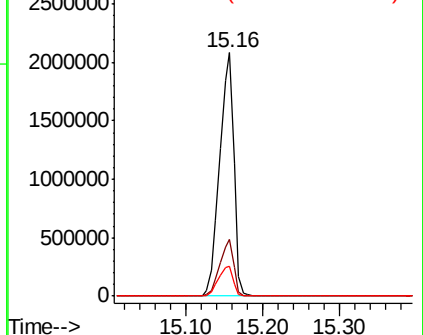
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	12.2	9.2	13.8

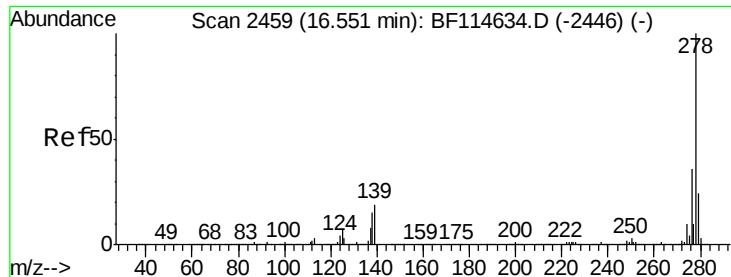
Abundance

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





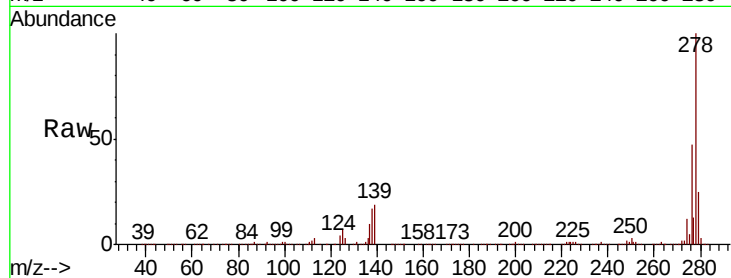
#91
Dibenzo(a,h)anthracene
Concen: 39.632 ng
RT: 16.55 min Scan# 2459
Delta R.T. -0.00 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Instrument :
BNA_F
ClientSampleId :
PB118819BS

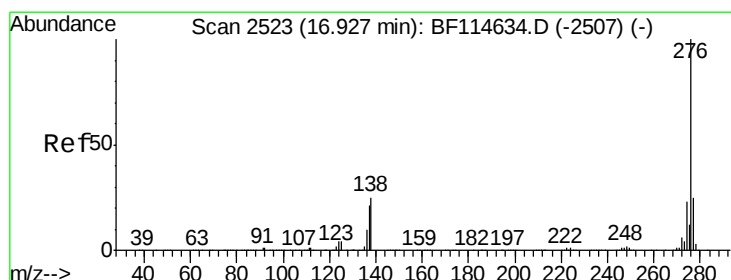
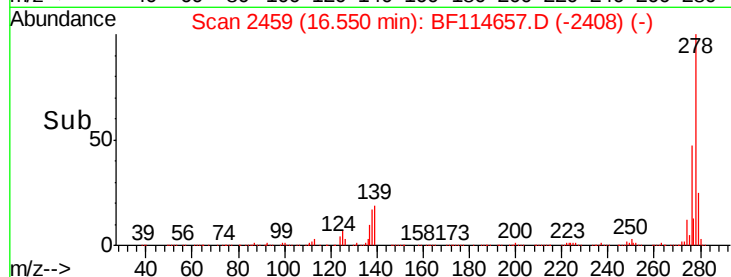
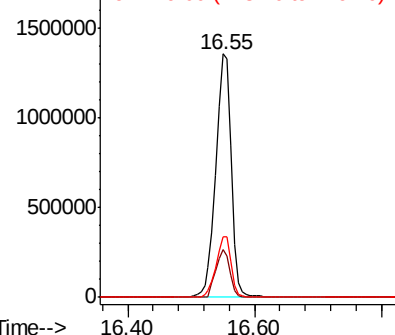
Tot Ion	Ratio	Lower	Upper
278	100		
139	19.4	14.9	22.3
279	24.7	19.5	29.3

Manual Integrations
APPROVED

mohammad
6/3/2019 8:47:05 AM



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: 40.286 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.01 min
Lab File: BF114657.D
Acq: 30 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.7	29.5
138	24.1	19.8	29.8

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

