

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115592.D
 Acq On : 16 Jul 2019 12:40
 Operator : HP/JU
 Sample : PB121412BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121412BS

Manual Integrations
 APPROVED

mohammad
 7/17/2019 12:05:37 PM

Quant Time: Jul 16 17:00:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	188815	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	760832	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	375974	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	725725	20.00	ng	0.00
76) Chrysene-d12	14.04	240	461011	20.00	ng	0.00
87) Perylene-d12	15.51	264	338685	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1357521	117.60	ng	0.02
7) Phenol-d6	6.52	99	1795757	122.60	ng	0.00
23) Nitrobenzene-d5	7.45	82	972699	74.34	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	477233	108.75	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1796118	83.62	ng	0.00
79) Terphenyl-d14	12.99	244	1866996	74.73	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.80	88	209171	36.327	ng	97
3) Pyridine	3.53	79	509886	32.639	ng	99
4) n-Nitrosodimethylamine	3.48	42	228786	40.369	ng	98
6) Aniline	6.55	93	574639	28.191	ng	98
8) 2-Chlorophenol	6.67	128	563409	42.452	ng	96
9) Benzaldehyde	6.43	77	71869	7.852	ng	99
10) Phenol	6.53	94	705728	41.505	ng	86
11) bis(2-Chloroethyl)ether	6.62	93	538205	41.575	ng	98
12) 1,3-Dichlorobenzene	6.83	146	520880	34.908	ng	99
13) 1,4-Dichlorobenzene	6.90	146	532850	35.791	ng	98
14) 1,2-Dichlorobenzene	7.06	146	495966	36.442	ng	96
15) Benzyl Alcohol	7.02	79	436493	37.566	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.16	45	610471	35.819	ng	98
17) 2-Methylphenol	7.13	107	422951	36.980	ng	99
18) Hexachloroethane	7.40	117	187152	33.868	ng	98
19) n-Nitroso-di-n-propylamine	7.30	70	340508	35.645	ng	99
20) 3+4-Methylphenols	7.29	107	497264	36.603	ng	95
22) Acetophenone	7.29	105	671114	39.045	ng	# 94
24) Nitrobenzene	7.46	77	531479	37.659	ng	97
25) Isophorone	7.70	82	995872	38.036	ng	100
26) 2-Nitrophenol	7.78	139	279904	38.532	ng	95
27) 2,4-Dimethylphenol	7.82	122	467522	43.014	ng	98
28) bis(2-Chloroethoxy)methane	7.91	93	597790	37.216	ng	99
29) 2,4-Dichlorophenol	8.02	162	438594	38.801	ng	98
30) 1,2,4-Trichlorobenzene	8.10	180	475896	37.245	ng	98
31) Naphthalene	8.19	128	1432750	38.883	ng	97
32) Benzoic acid	7.95	122	349824	39.219	ng	99
33) 4-Chloroaniline	8.23	127	335592	20.561	ng	99
34) Hexachlorobutadiene	8.31	225	268189	36.601	ng	98
35) Caprolactam	8.60	113	136998m	39.221	ng	
36) 4-Chloro-3-methylphenol	8.72	107	458611	39.113	ng	99
37) 2-Methylnaphthalene	8.88	142	968435	39.649	ng	97
38) 1-Methylnaphthalene	8.98	142	916803	39.518	ng	97
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	443441	39.167	ng	98

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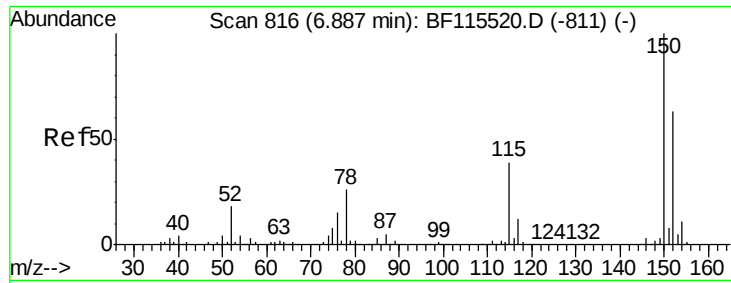
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.04	237	363947	56.352	ng	100
43) 2,4,6-Trichlorophenol	9.16	196	314983	38.043	ng	98
44) 2,4,5-Trichlorophenol	9.20	196	333074	39.281	ng	99
46) 1,1'-Biphenyl	9.35	154	1189579	40.471	ng	98
47) 2-Chloronaphthalene	9.37	162	951860	38.892	ng	98
48) 2-Nitroaniline	9.46	65	277321	36.609	ng	99
49) Acenaphthylene	9.79	152	1391368	38.367	ng	98
50) Dimethylphthalate	9.65	163	1085704	38.381	ng	99
51) 2,6-Dinitrotoluene	9.70	165	250356	38.945	ng	89
52) Acenaphthene	9.96	154	989602	42.267	ng	98
53) 3-Nitroaniline	9.87	138	182479	24.840	ng	99
54) 2,4-Dinitrophenol	9.98	184	256936	77.848	ng	# 91
55) Dibenzofuran	10.13	168	1264833	38.040	ng	100
56) 4-Nitrophenol	10.03	139	385081	68.742	ng	97
57) 2,4-Dinitrotoluene	10.10	165	335521	40.287	ng	98
58) Fluorene	10.47	166	935678	39.364	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.25	232	293272	41.375	ng	97
60) Diethylphthalate	10.35	149	1046328	39.478	ng	99
61) 4-Chlorophenyl-phenylether	10.46	204	481683	36.542	ng	98
62) 4-Nitroaniline	10.49	138	245991	34.910	ng	100
63) Azobenzene	10.62	77	1001745	38.967	ng	98
65) 4,6-Dinitro-2-methylphenol	10.52	198	166230	37.490	ng	98
66) n-Nitrosodiphenylamine	10.58	169	867674	38.436	ng	98
67) 4-Bromophenyl-phenylether	10.95	248	317425	38.275	ng	97
68) Hexachlorobenzene	11.02	284	355424	37.528	ng	# 94
69) Atrazine	11.10	200	262380	35.429	ng	98
70) Pentachlorophenol	11.22	266	413204	71.332	ng	100
71) Phenanthrene	11.43	178	1419333	38.154	ng	98
72) Anthracene	11.49	178	1434533	37.314	ng	100
73) Carbazole	11.63	167	1277715	37.900	ng	99
74) Di-n-butylphthalate	11.96	149	1570379	37.816	ng	99
75) Fluoranthene	12.62	202	1476643	37.564	ng	99
77) Benzidine	12.73	184	295818	18.113	ng	99
78) Pyrene	12.84	202	1451467	37.161	ng	98
80) Butylbenzylphthalate	13.46	149	671212	40.312	ng	97
81) Benzo(a)anthracene	14.03	228	1136681	37.426	ng	97
82) 3,3'-Dichlorobenzidine	13.99	252	342161	31.691	ng	100
83) Chrysene	14.07	228	1189446	39.013	ng	99
84) Bis(2-ethylhexyl)phthalate	14.02	149	836636	40.565	ng	99
85) Di-n-octyl phthalate	14.63	149	1343592	40.944	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	927517	35.808	ng	99
88) Benzo(b)fluoranthene	15.08	252	1069696	49.049	ng	100
89) Benzo(k)fluoranthene	15.12	252	956946	49.217	ng	96
90) Benzo(a)pyrene	15.45	252	923470	49.267	ng	99
91) Dibenzo(a,h)anthracene	17.00	278	789916	48.003	ng	98
92) Benzo(g,h,i)perylene	17.43	276	763379	46.515	ng	98

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



#1

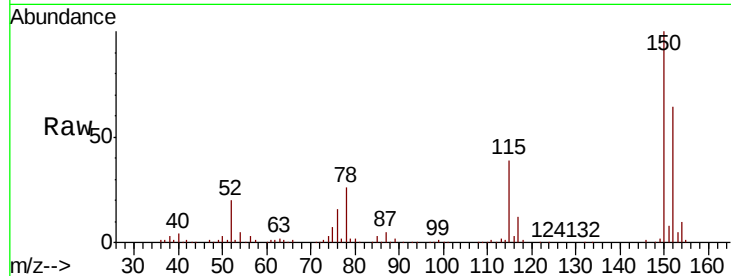
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	129.7	194.5
115	61.6	48.2	72.4

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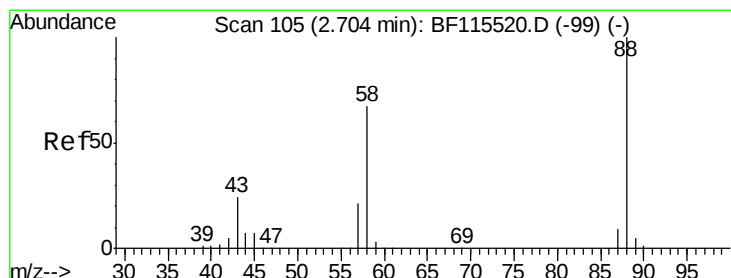
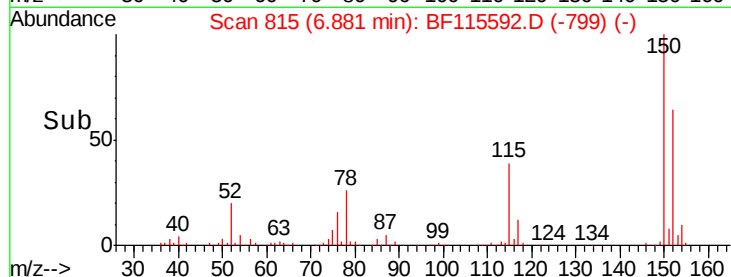
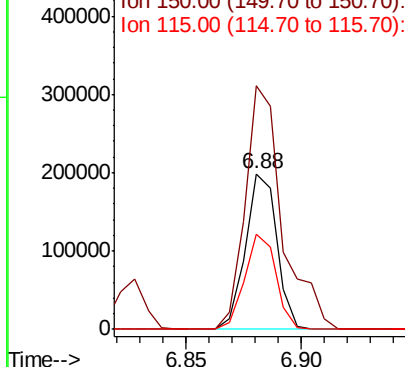


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

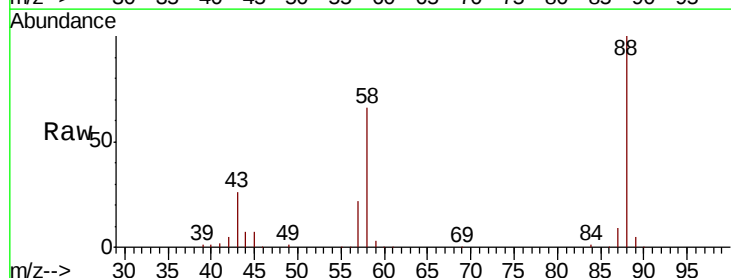
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 36.327 ng
RT: 2.80 min Scan# 121
Delta R.T. 0.09 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.2	52.6	79.0
43	26.1	19.1	28.7

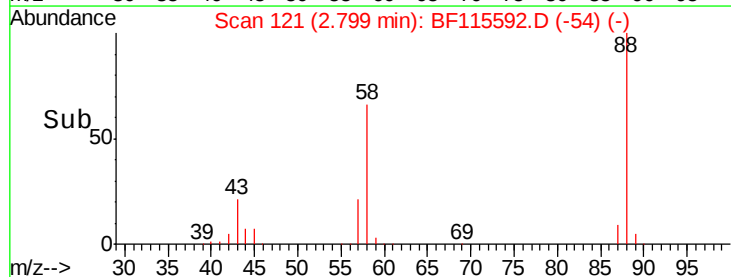
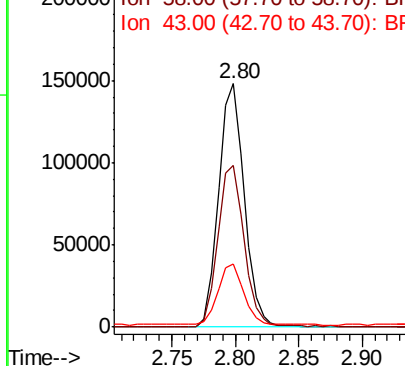


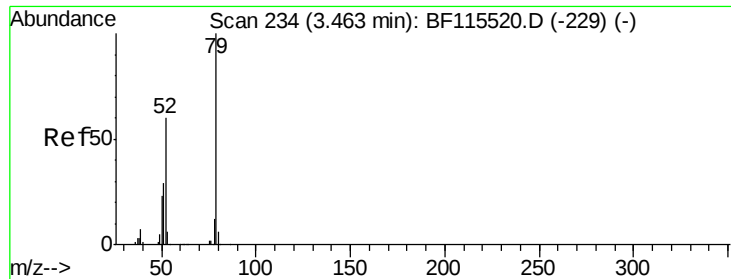
Abundance

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: 32.639 ng

RT: 3.53 min Scan# 246

Delta R.T. 0.07 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

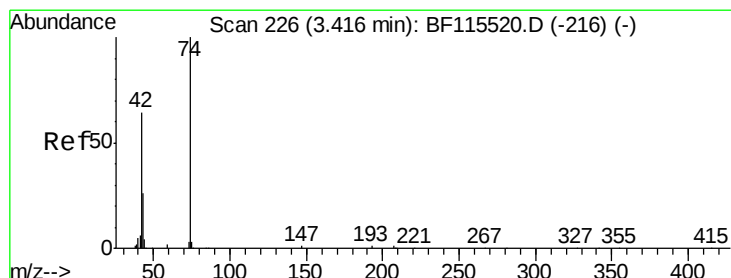
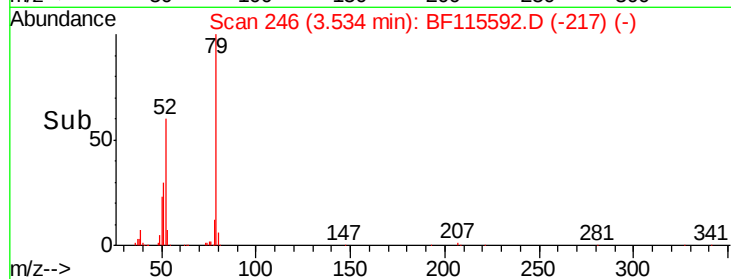
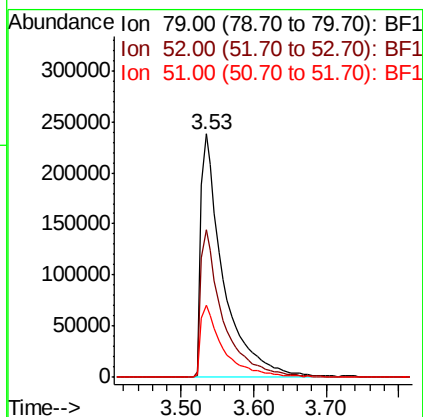
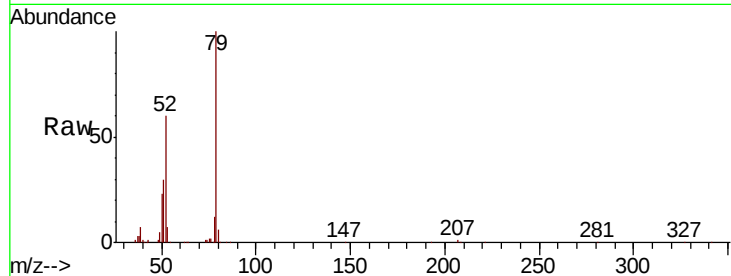
ClientSampleId :

PB121412BS

Tot Ion:	79	Resp:	509886
Ion	Ratio	Lower	Upper
79	100		
52	60.5	47.8	71.6
51	29.6	23.8	35.8

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#4

n-Nitrosodimethylamine

Concen: 40.369 ng

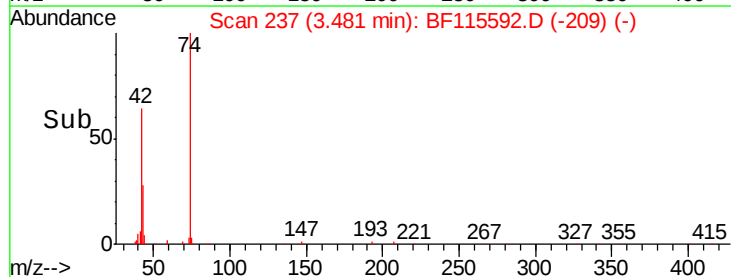
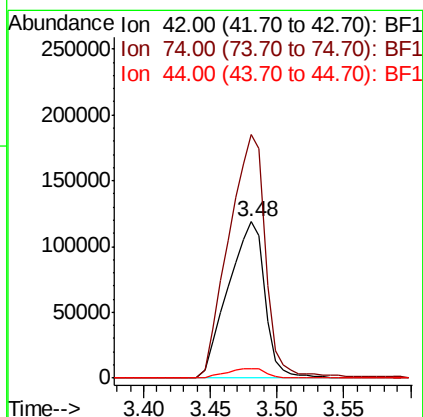
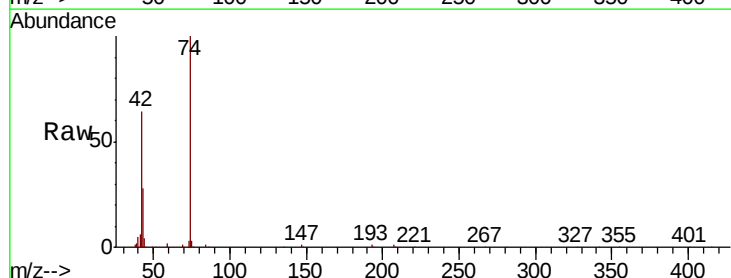
RT: 3.48 min Scan# 237

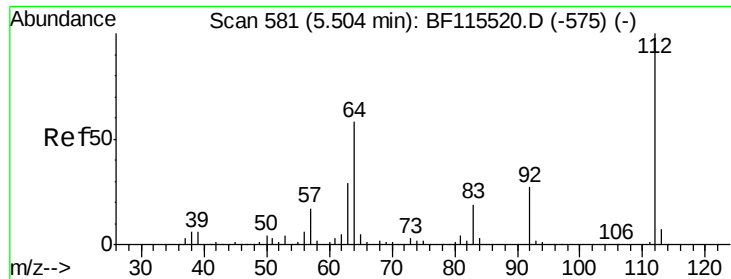
Delta R.T. 0.06 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Tgt Ion:	42	Resp:	228786
Ion	Ratio	Lower	Upper
42	100		
74	156.0	127.5	191.3
44	6.4	5.0	7.6





#5

2-Fluorophenol

Concen: 117.602 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.02 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB121412BS

Tot Ion:112 Resp: 1357521

Ion Ratio Lower Upper

112 100

64 56.2 46.8 70.2

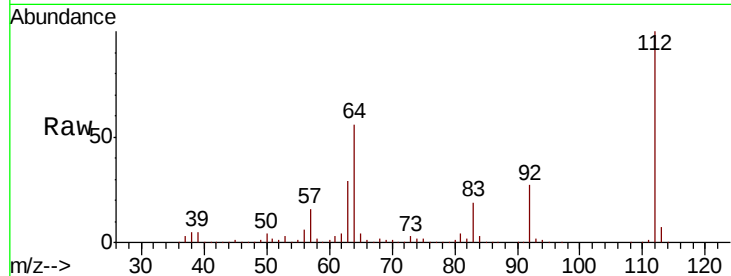
63 28.7 24.1 36.1

Manual Integrations

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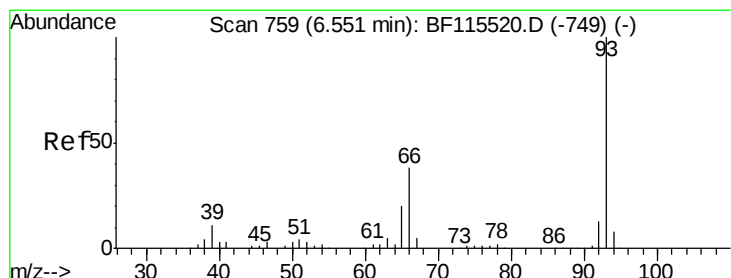
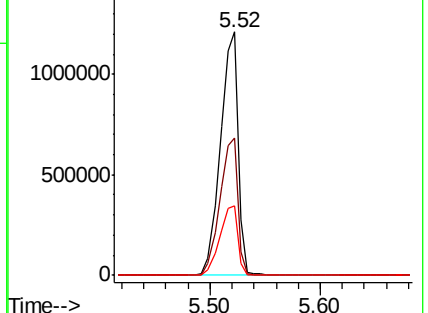
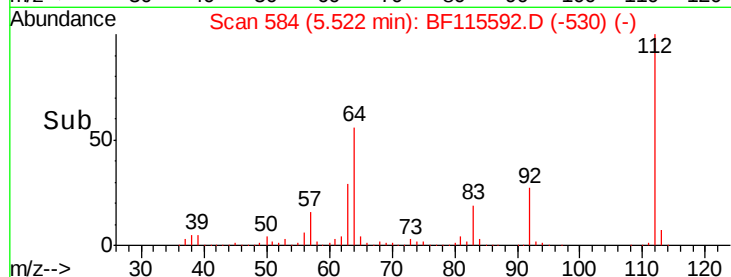
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 28.191 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

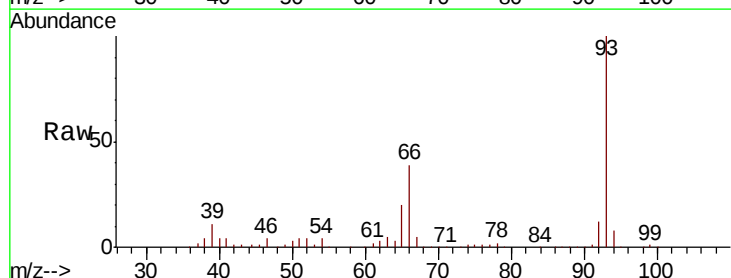
Tgt Ion: 93 Resp: 574639

Ion Ratio Lower Upper

93 100

66 38.5 31.7 47.5

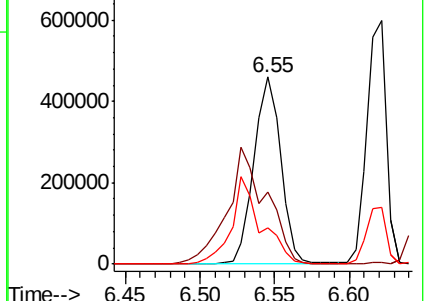
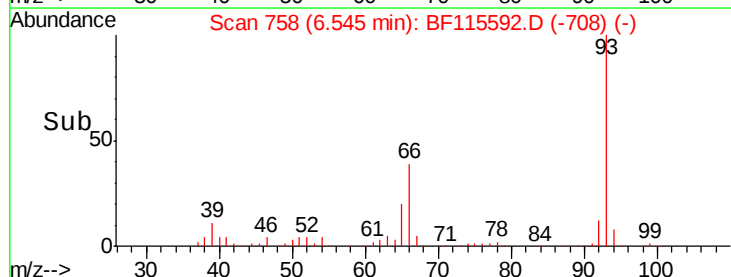
65 19.6 16.2 24.2

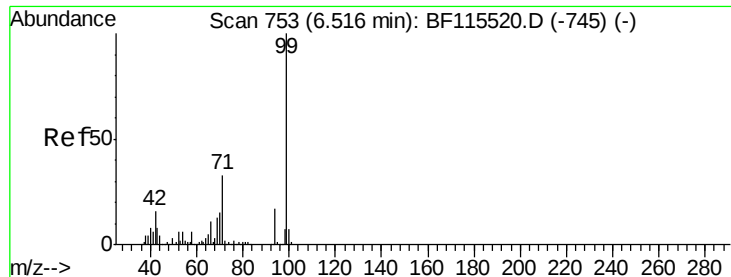


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 122.601 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB121412BS

Tot Ion: 99 Resp: 1795757

Ion Ratio Lower Upper

99 100

42 16.6 13.6 20.4

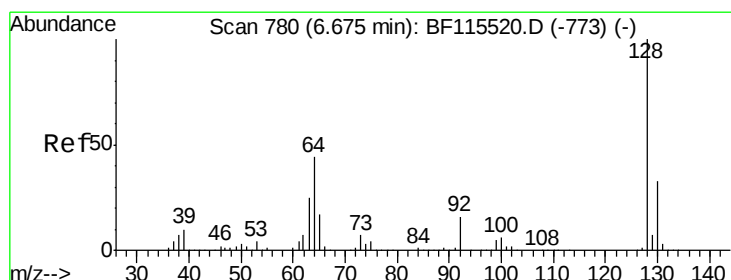
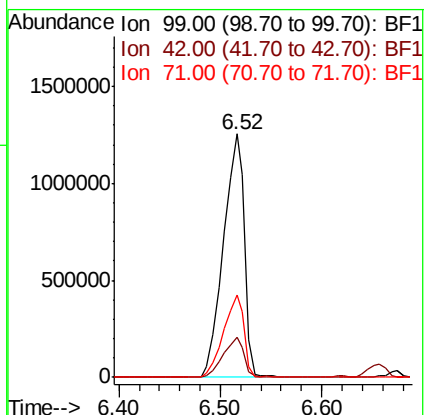
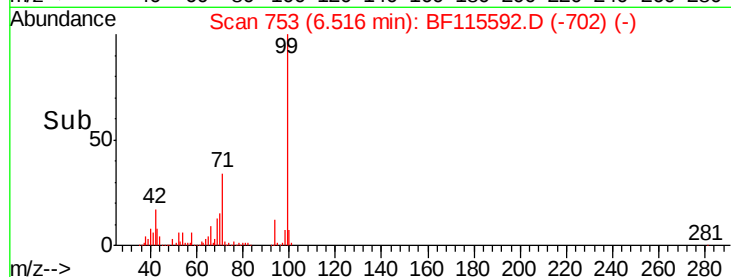
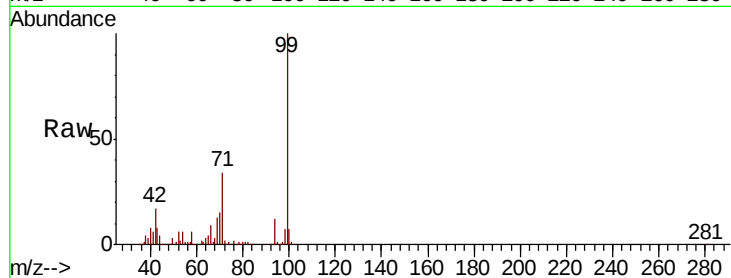
71 34.0 28.5 42.7

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#8

2-Chlorophenol

Concen: 42.452 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

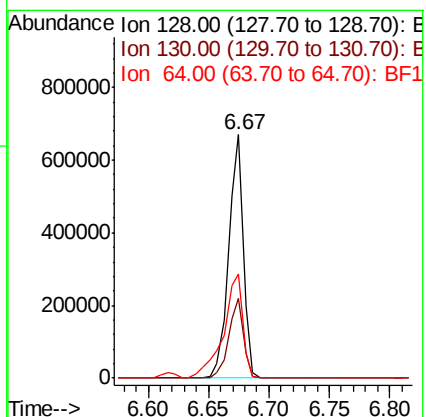
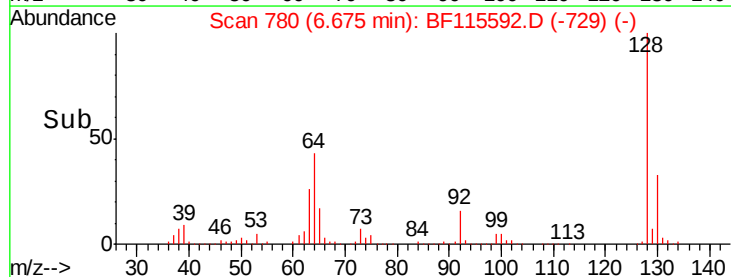
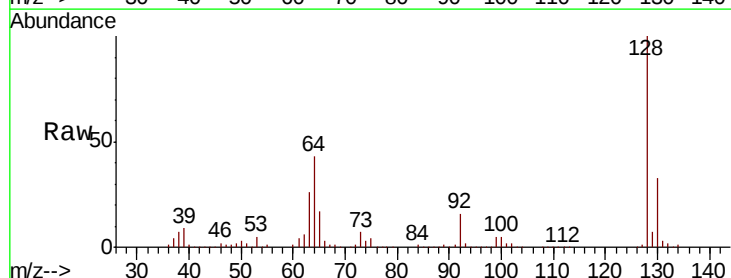
Tgt Ion: 128 Resp: 563409

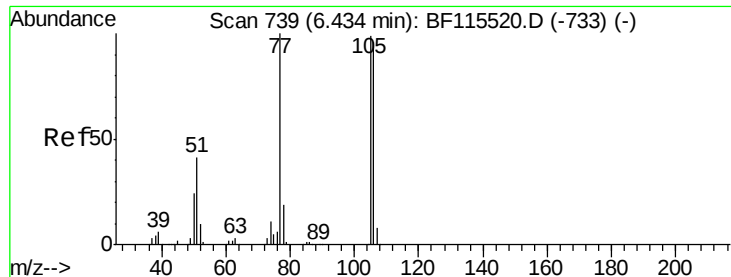
Ion Ratio Lower Upper

128 100

130 32.8 12.8 52.8

64 42.7 26.8 66.8





#9

Benzaldehyde

Concen: 7.852 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

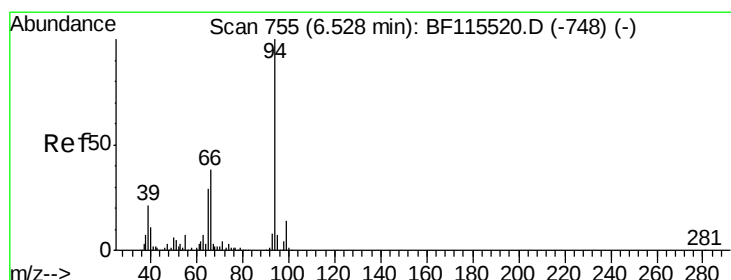
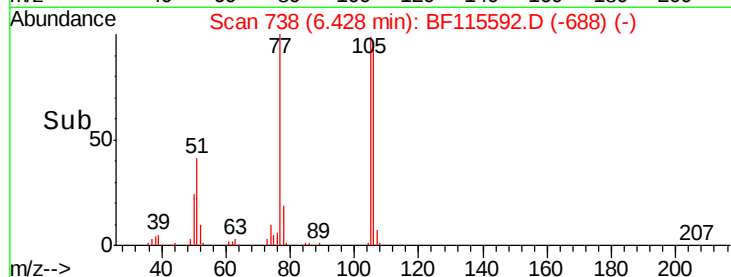
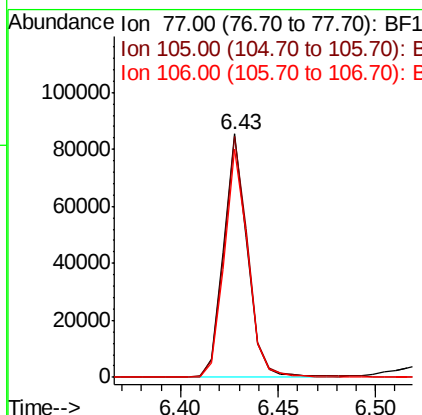
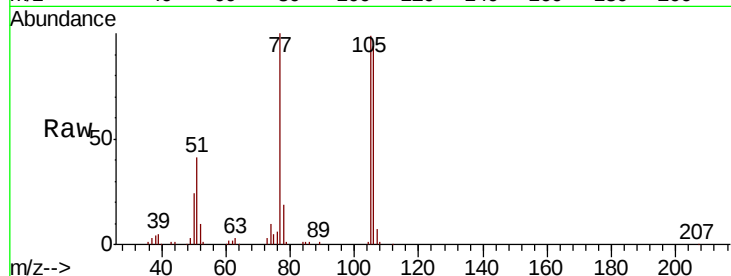
ClientSampled :

PB121412BS

Tot Ion	Ratio	Lower	Upper
77	100		
105	99.0	78.8	118.8
106	93.8	75.6	115.6

Manual Integrations
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#10

Phenol

Concen: 41.505 ng

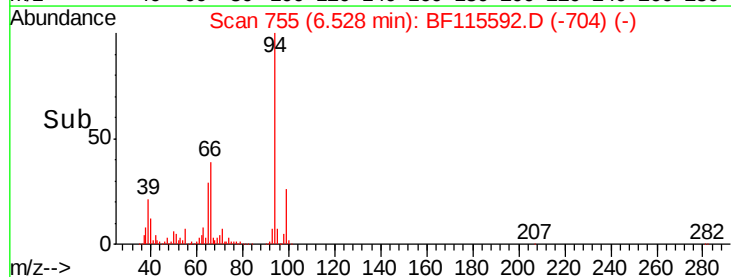
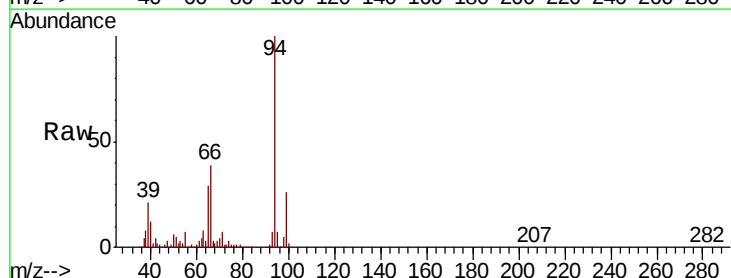
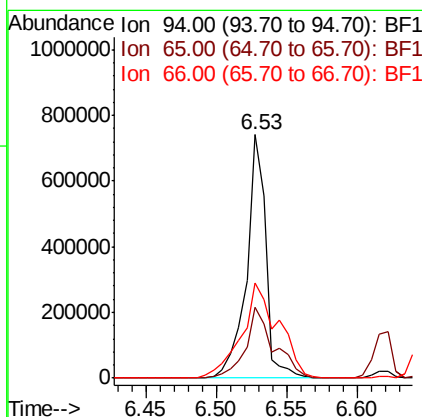
RT: 6.53 min Scan# 755

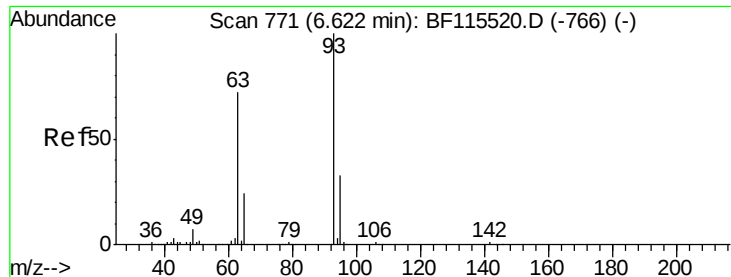
Delta R.T. 0.00 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.1	14.5	54.5
66	39.0	31.3	71.3





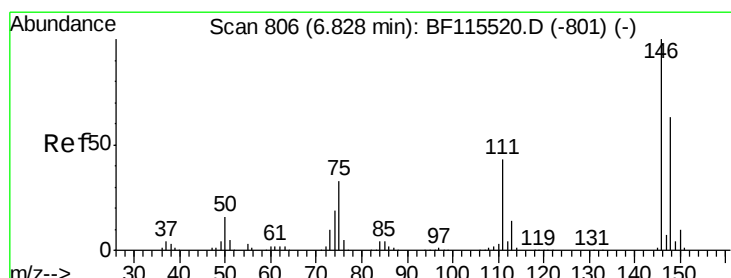
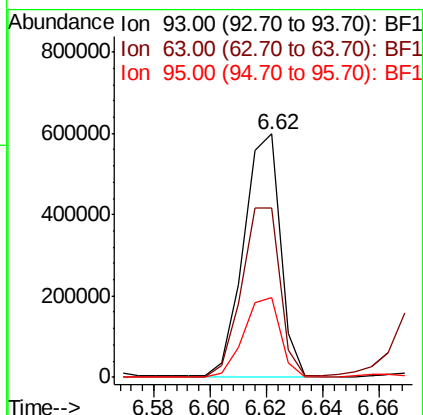
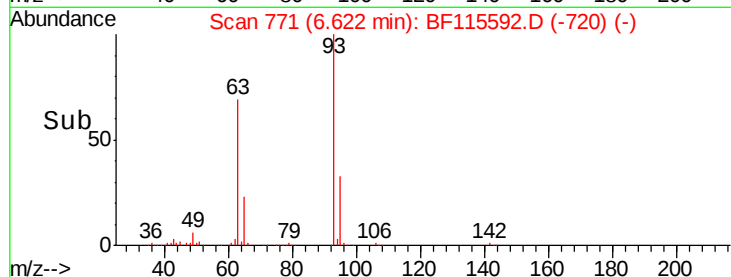
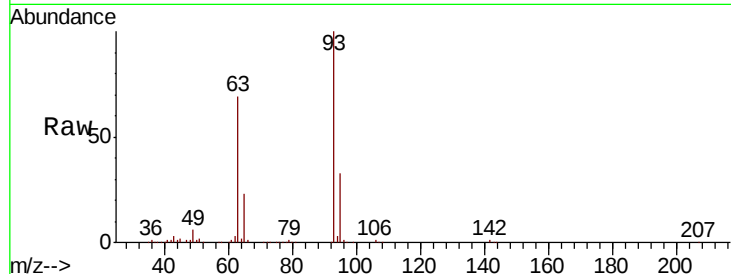
#11
bis(2-Chloroethyl)ether
Concen: 41.575 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.00 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion:	93	Resp:	538205
Ion Ratio	Lower	Upper	
93	100		
63	69.3	52.2	92.2
95	32.8	12.9	52.9

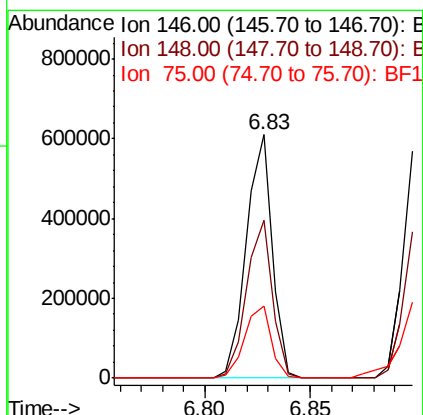
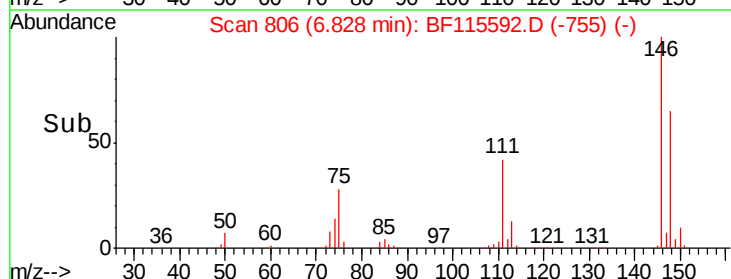
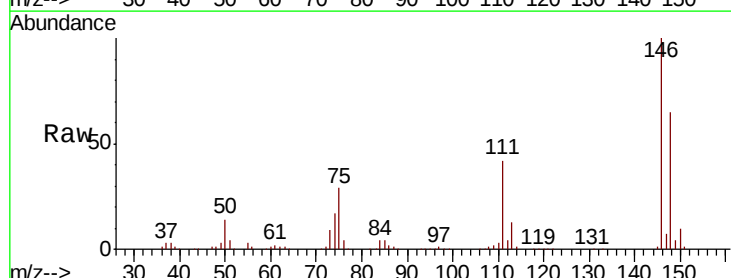
Manual Integrations
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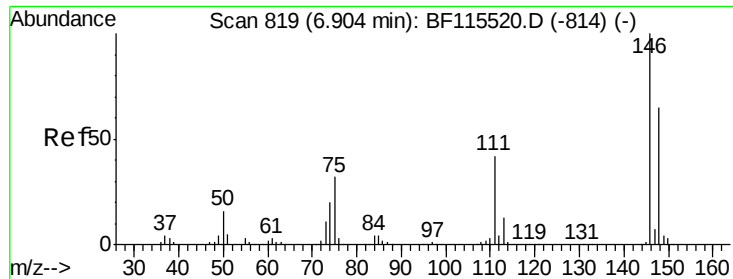
mohammad
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#12
1,3-Dichlorobenzene
Concen: 34.908 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion:	146	Resp:	520880
Ion Ratio	Lower	Upper	
146	100		
148	64.7	52.1	78.1
75	29.4	24.9	37.3





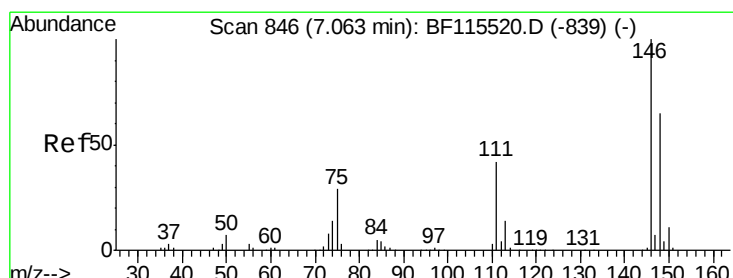
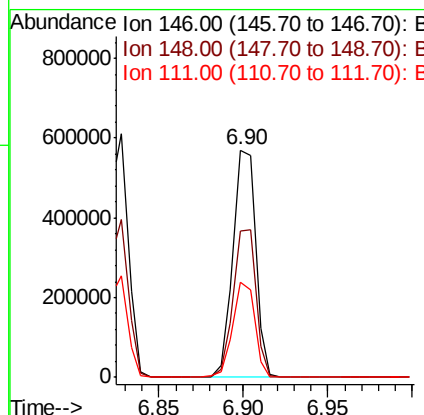
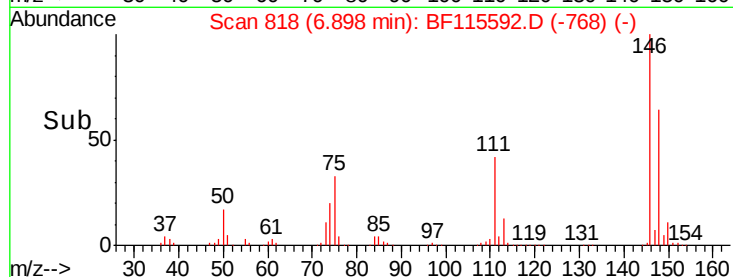
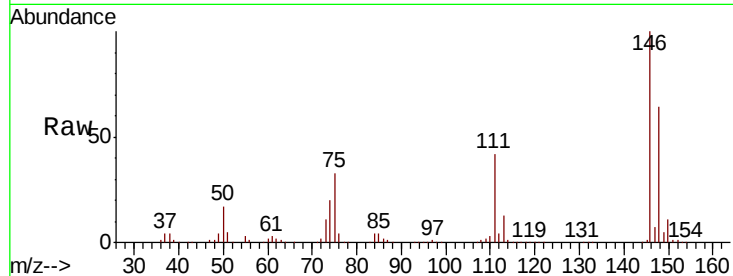
#13
1,4-Dichlorobenzene
Concen: 35.791 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		532850		
148	64.3	51.8		77.6	
111	41.8	35.5		53.3	

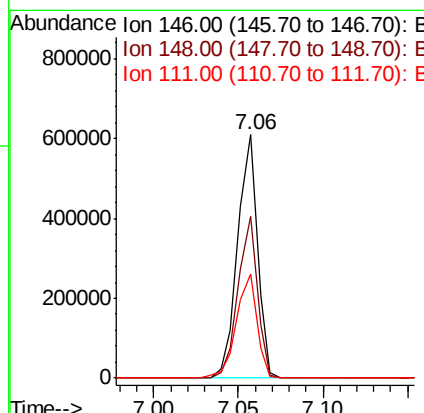
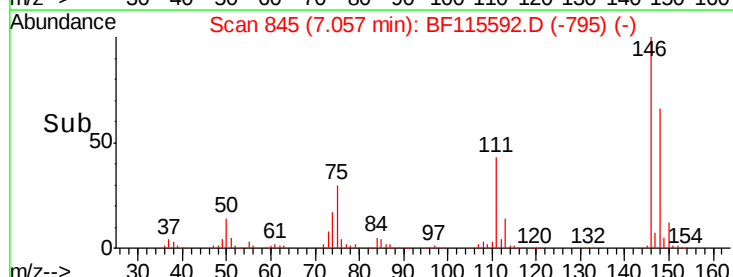
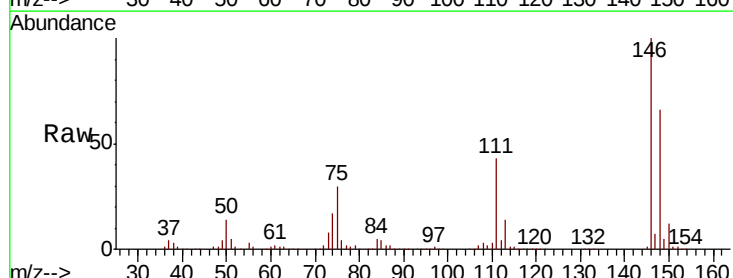
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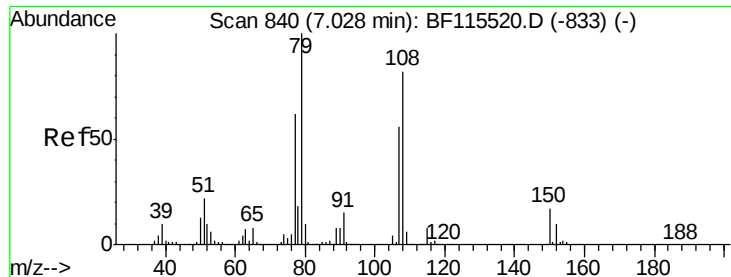
mohammad
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#14
1,2-Dichlorobenzene
Concen: 36.442 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		495966		
148	66.4	51.1		76.7	
111	43.0	37.6		56.4	





#15

Benzyl Alcohol

Concen: 37.566 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

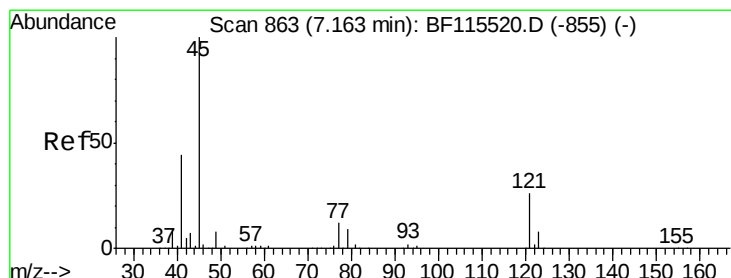
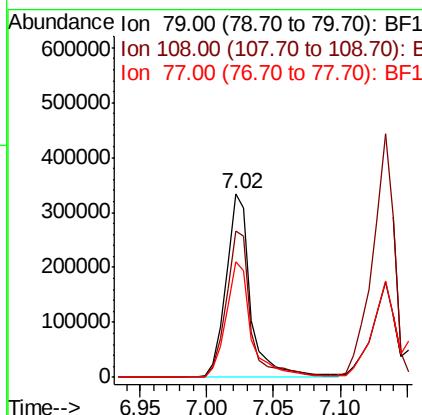
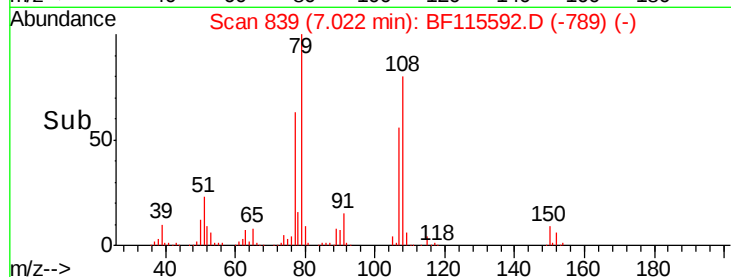
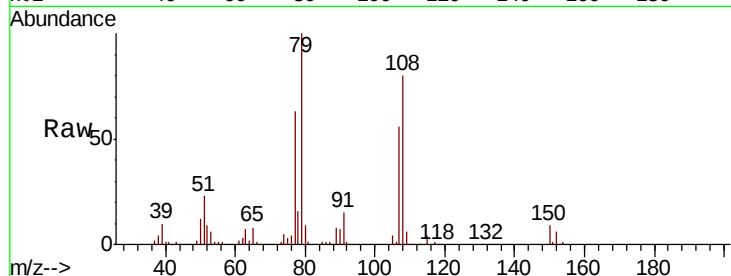
ClientSampleId :

PB121412BS

Tot Ion:	79	Resp:	436493
Ion Ratio	Lower	Upper	
79	100		
108	79.9	64.2	96.4
77	62.7	51.8	77.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 35.819 ng

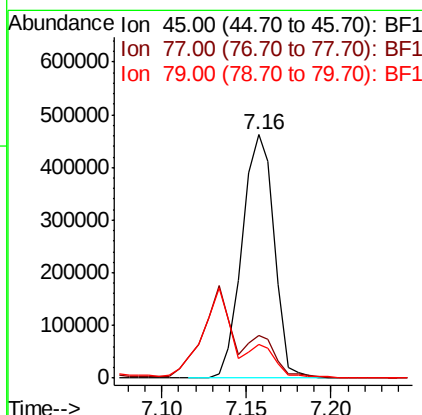
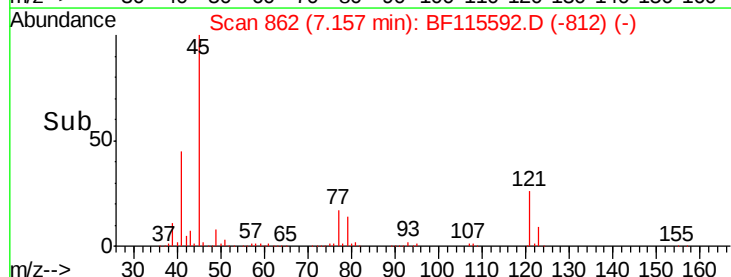
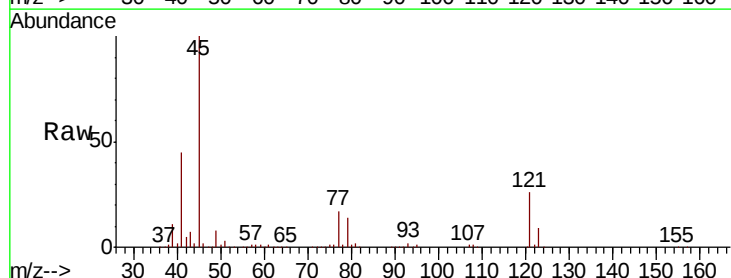
RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Tgt Ion:	45	Resp:	610471
Ion Ratio	Lower	Upper	
45	100		
77	17.3	0.0	38.1
79	13.6	0.0	34.1





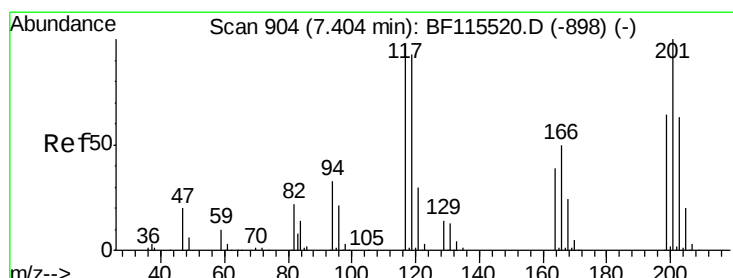
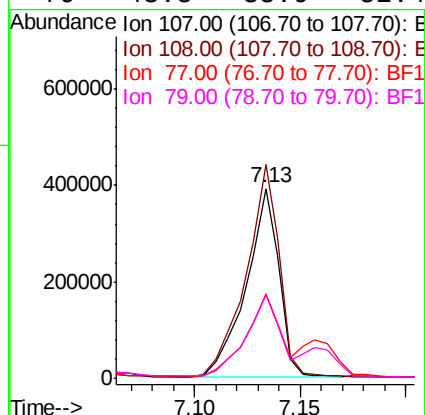
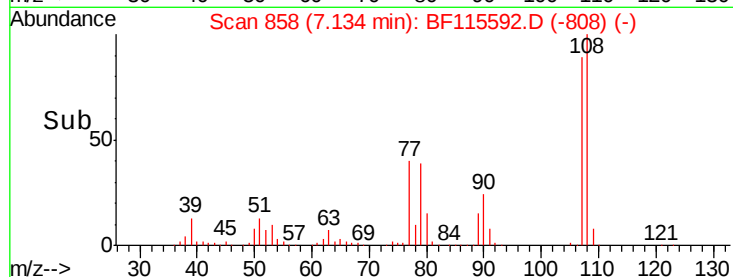
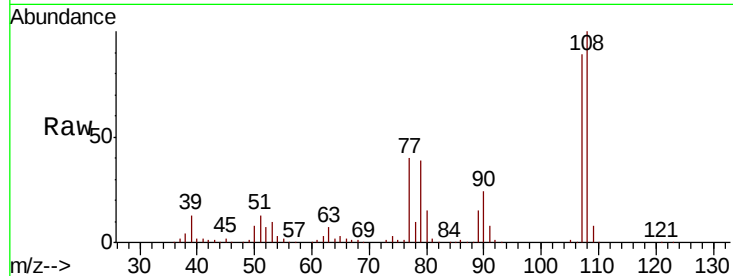
#17
2-Methylphenol
Concen: 36.980 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Lower	Upper
107	100		
108	112.8	89.4	134.2
77	44.6	35.7	53.5
79	43.8	35.0	52.4

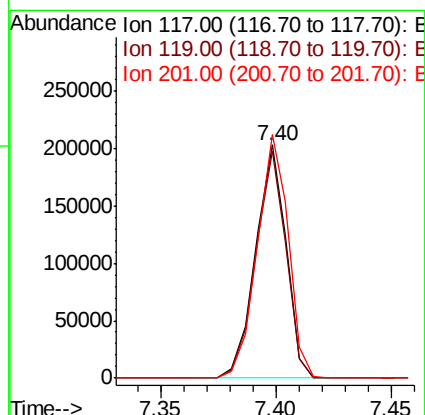
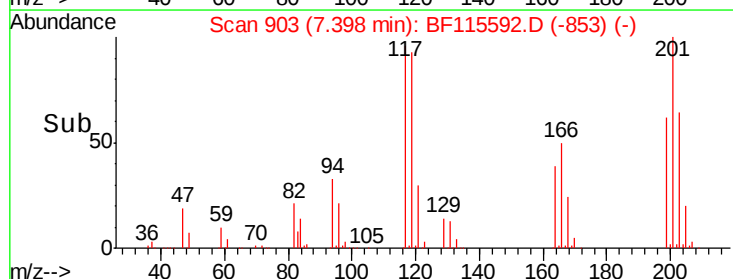
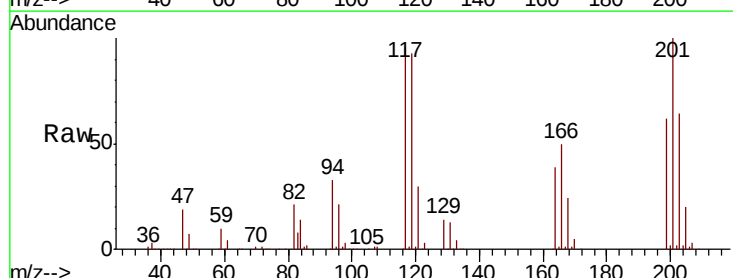
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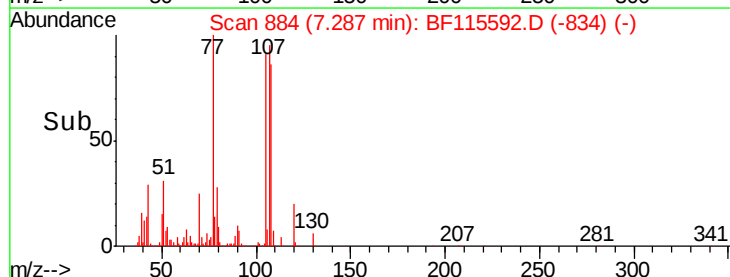
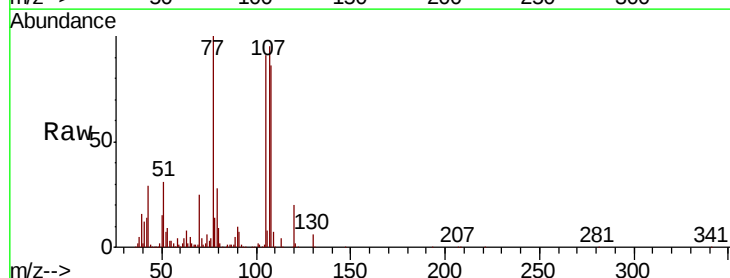
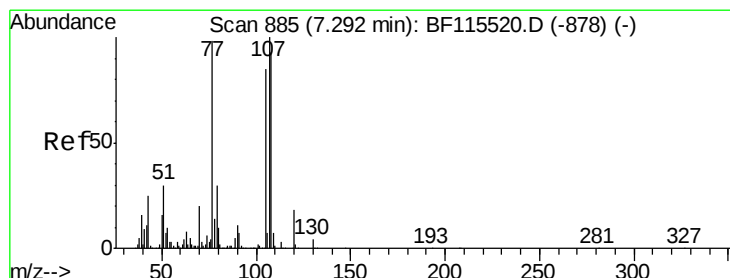
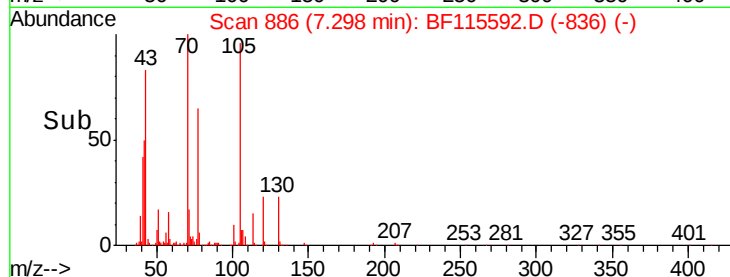
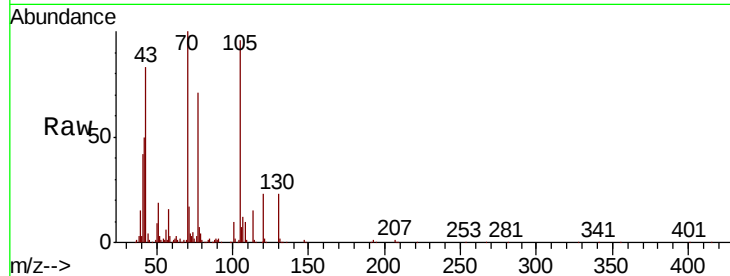
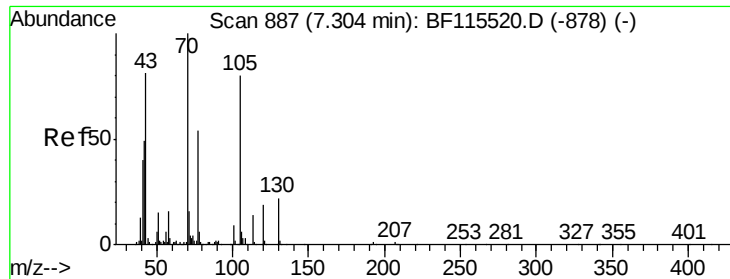
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#18
Hexachloroethane
Concen: 33.868 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.7	116.5
201	104.4	86.0	129.0





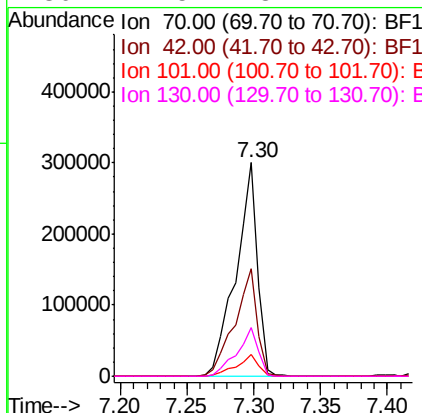
#19
n-Nitroso-di-n-propylamine
Concen: 35.645 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	50.1	39.6	59.4
101	10.0	8.1	12.1
130	22.5	18.2	27.2

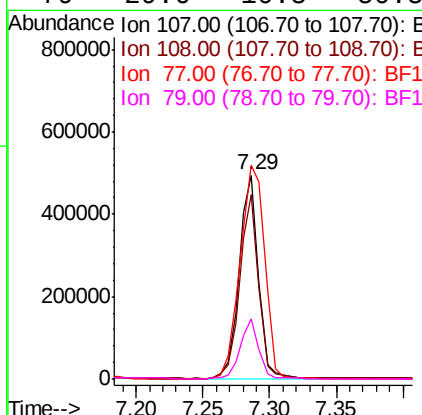
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#20
3+4-Methylphenols
Concen: 36.603 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.3	72.9	112.9
77	104.9	77.6	117.6
79	29.6	10.5	50.5





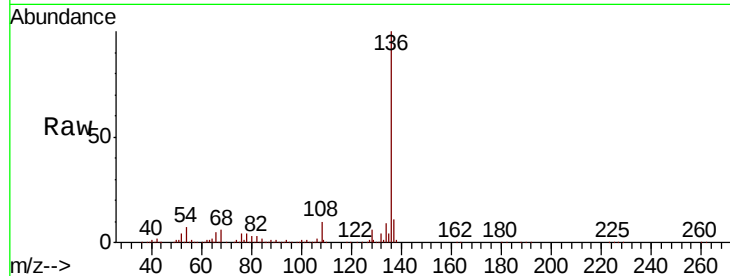
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	9.0	13.4	
54	6.8	5.6	8.4	
68	6.2	5.0	7.6	

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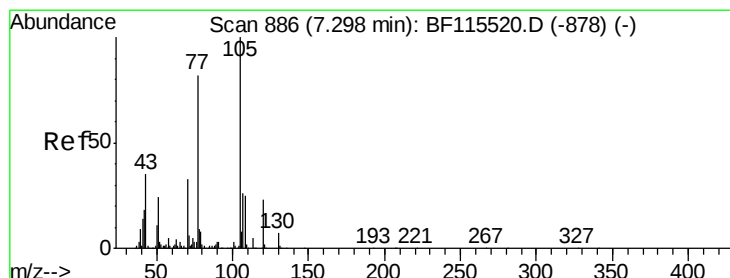
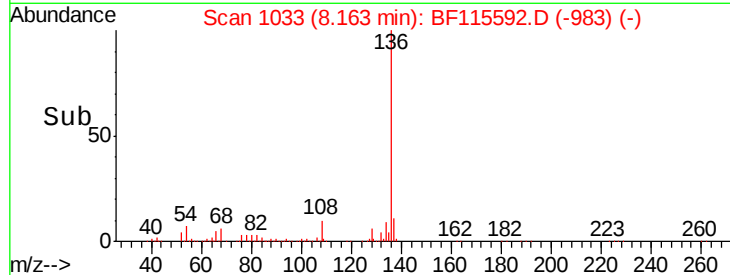
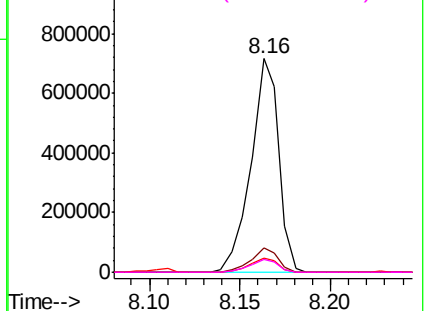
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 39.045 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.8	3.5	5.3#	
51	26.5	25.6	38.4	
120	22.5	17.9	26.9	

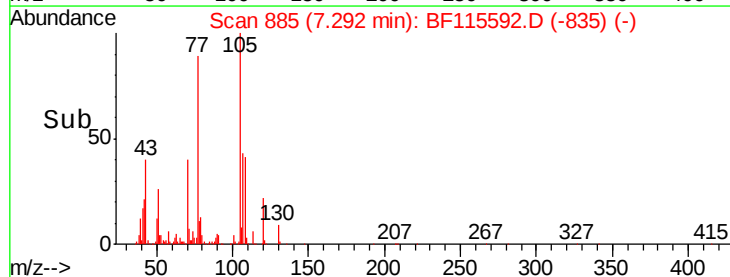
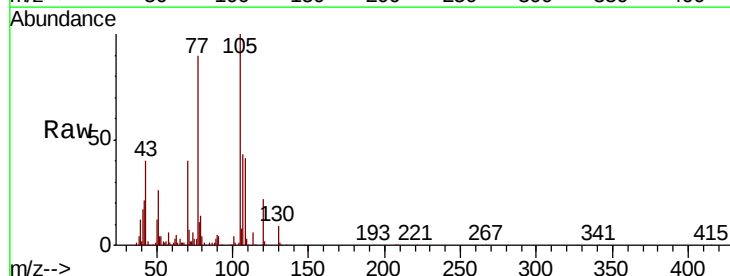
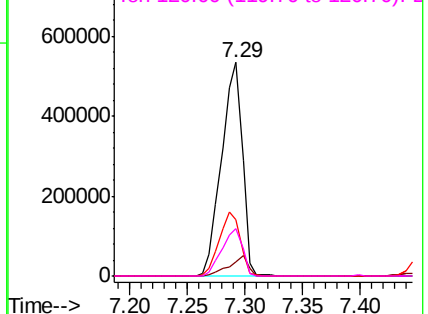
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





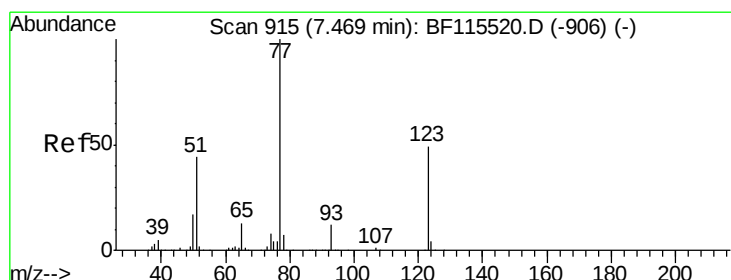
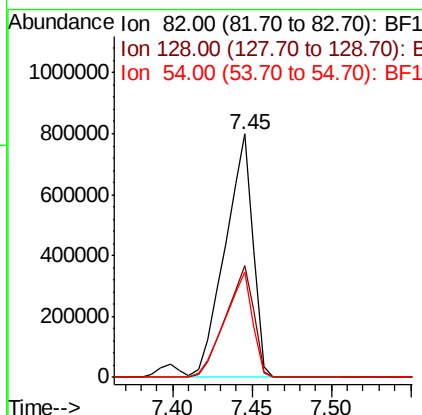
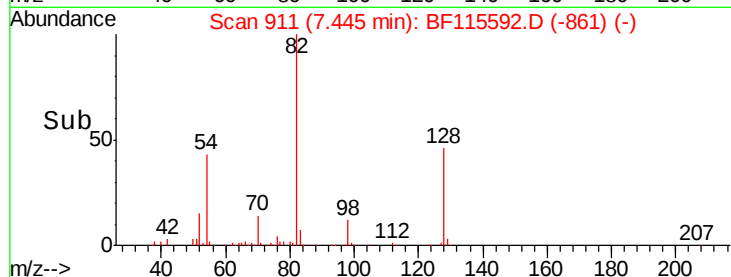
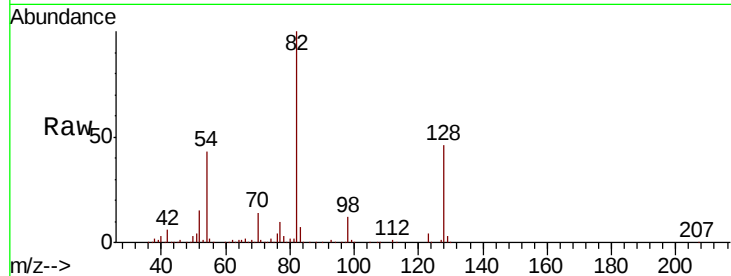
#23
Nitrobenzene-d5
Concen: 74.339 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	972699		
128	46.1		38.6	57.8
54	43.4		35.6	53.4

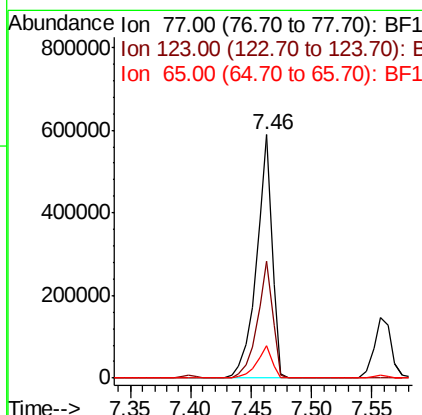
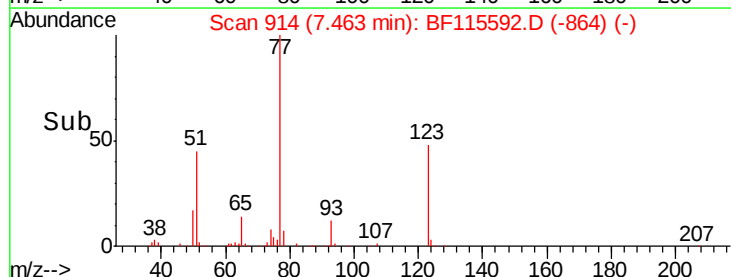
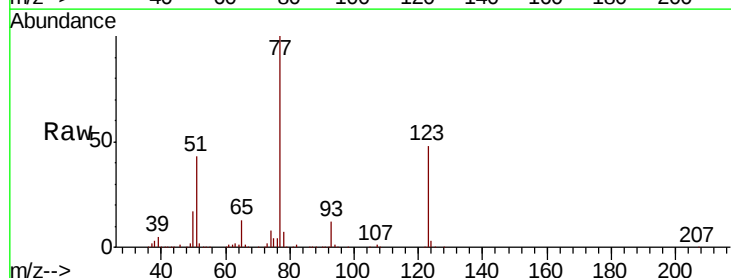
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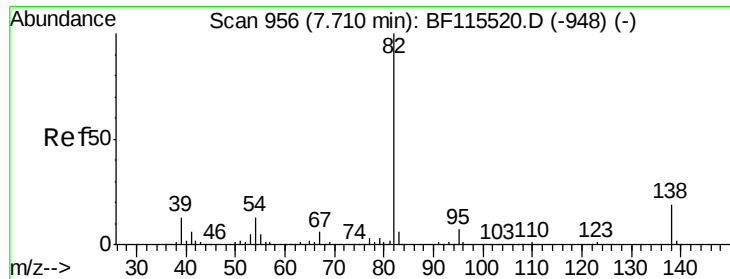
mohammad
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#24
Nitrobenzene
Concen: 37.659 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	531479		
123	48.0		40.0	60.0
65	13.1		11.0	16.4





#25

Isophorone

Concen: 38.036 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB121412BS

Tot Ion: 82 Resp: 995872

Ion Ratio Lower Upper

82 100

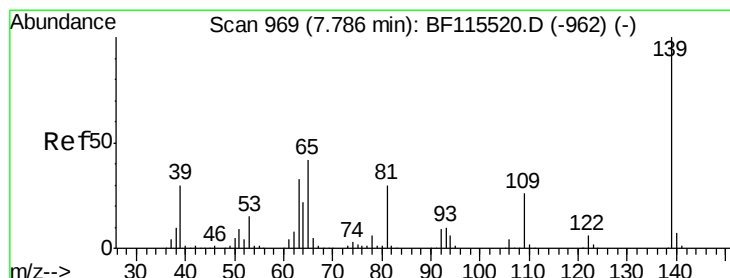
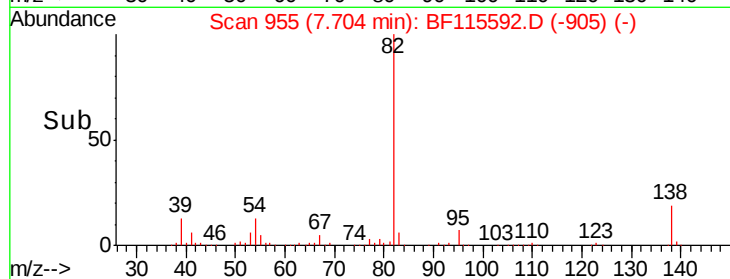
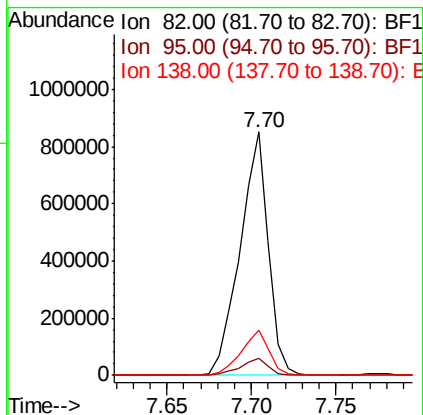
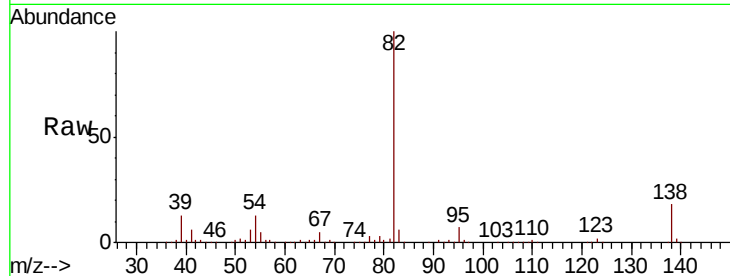
95 6.8 5.5 8.3

138 18.5 14.9 22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 38.532 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

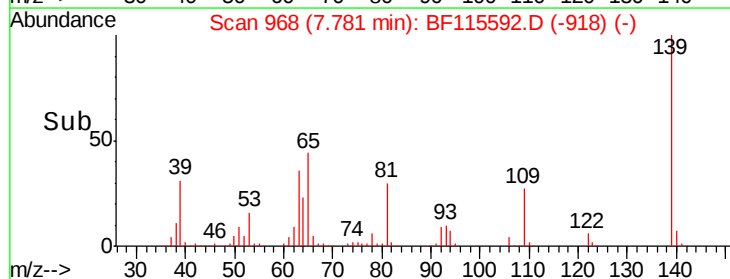
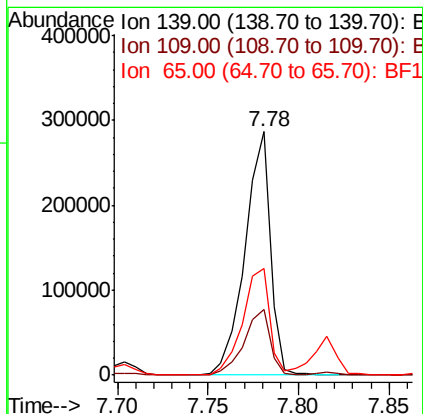
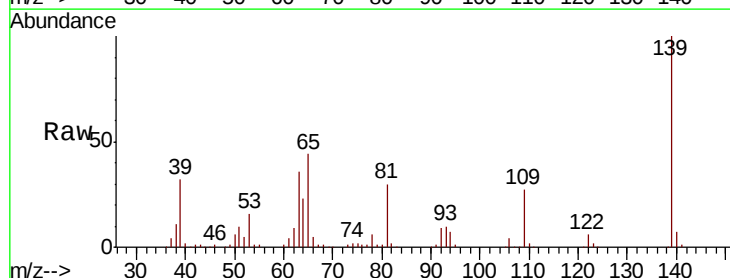
Tgt Ion: 139 Resp: 279904

Ion Ratio Lower Upper

139 100

109 27.0 23.3 34.9

65 43.8 37.9 56.9





#27

2,4-Dimethylphenol

Concen: 43.014 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

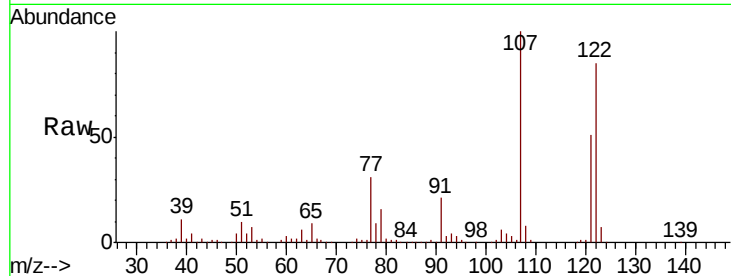
ClientSampleId :

PB121412BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		467522		
107	117.8	92.9	139.3		
121	59.9	46.9	70.3		

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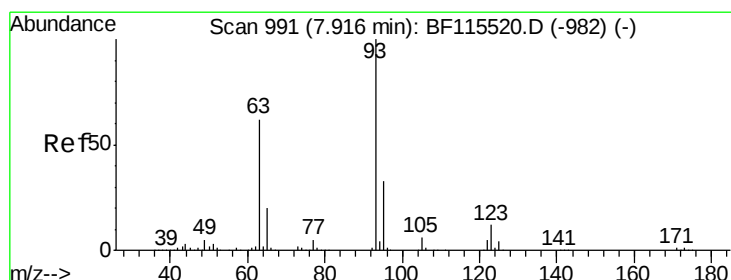
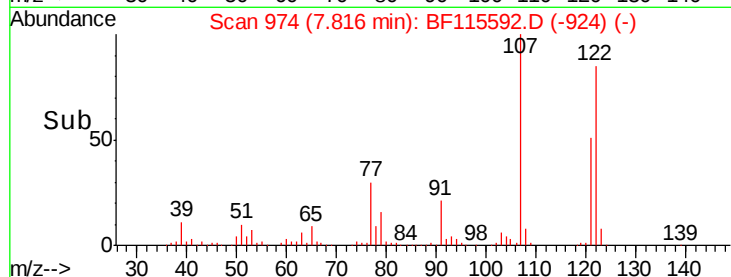
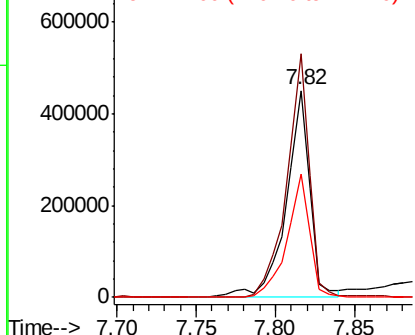


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 37.216 ng

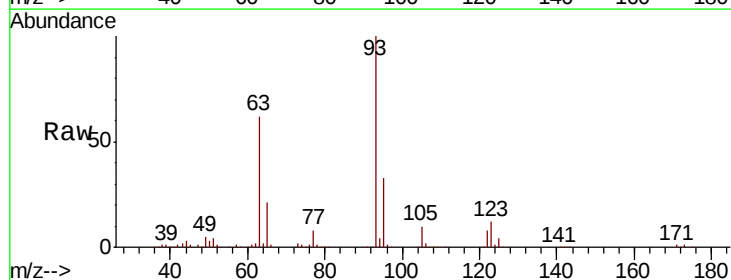
RT: 7.91 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF115592.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		597790		
95	33.0	27.0	40.4		
123	12.1	9.9	14.9		

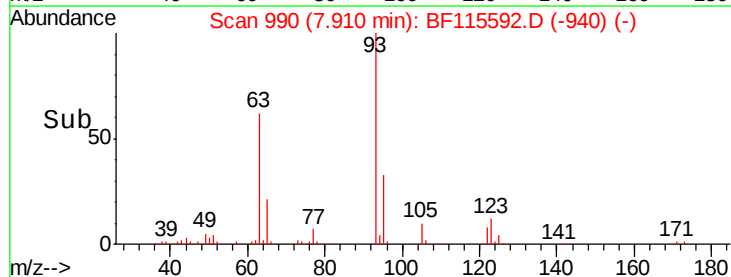
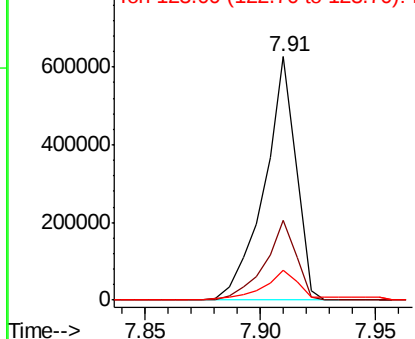


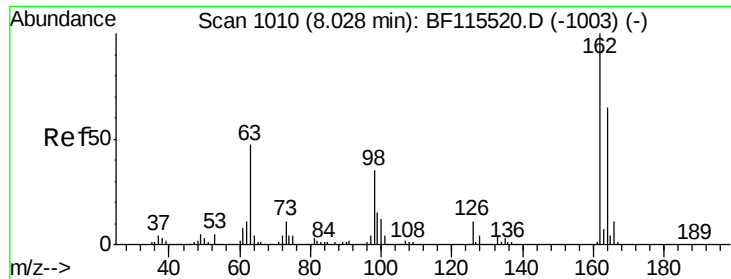
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 38.801 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

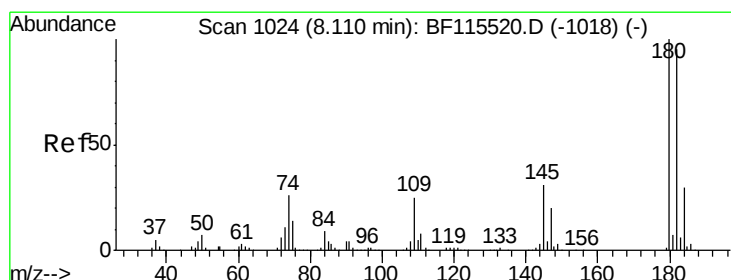
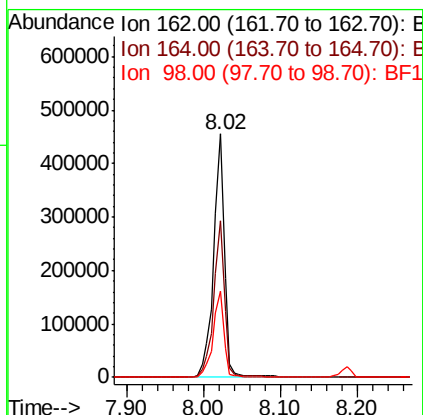
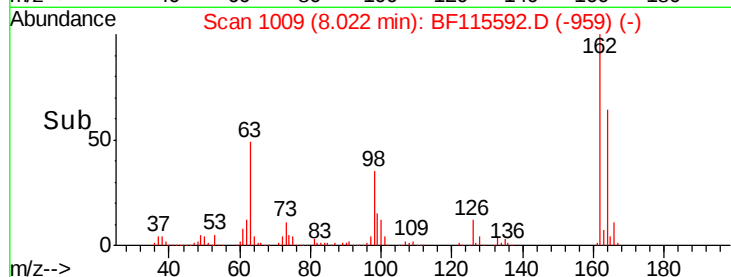
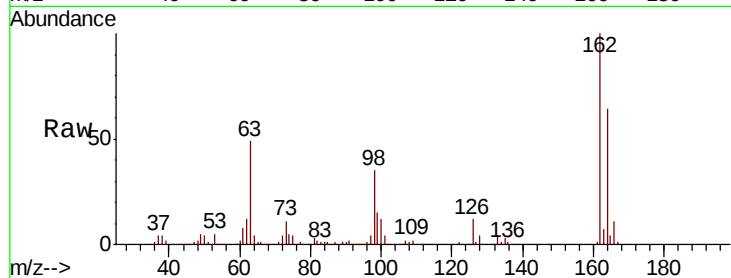
ClientSampleId :

PB121412BS

Tot Ion:	162	Resp:	438594
Ion Ratio	Lower	Upper	
162	100		
164	64.2	44.9	84.9
98	35.5	17.7	57.7

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#30

1,2,4-Trichlorobenzene

Concen: 37.245 ng

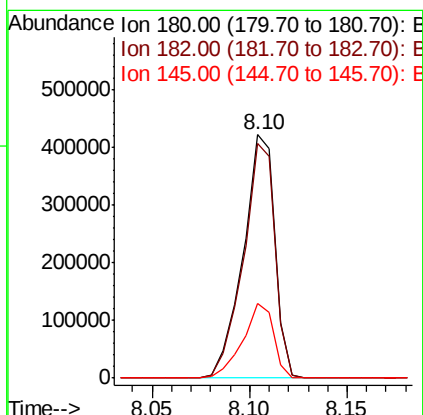
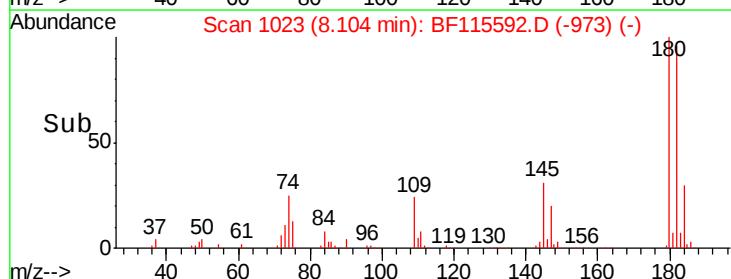
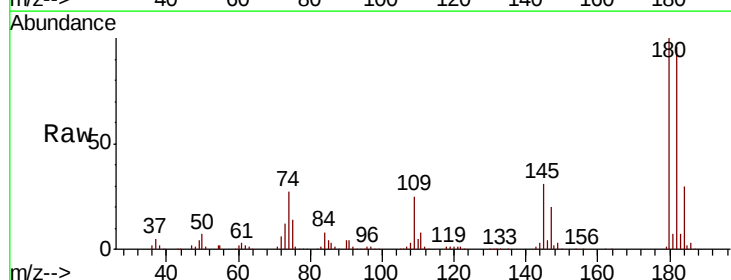
RT: 8.10 min Scan# 1023

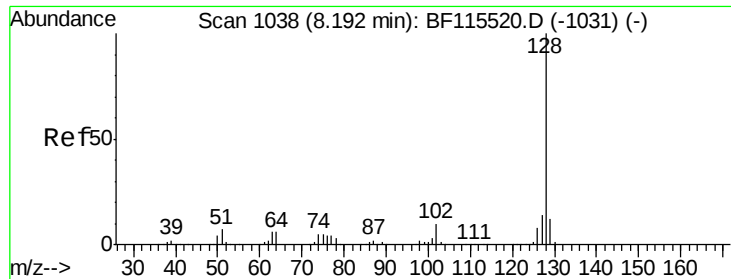
Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Tgt Ion:	180	Resp:	475896
Ion Ratio	Lower	Upper	
180	100		
182	96.2	75.0	112.6
145	30.8	25.1	37.7





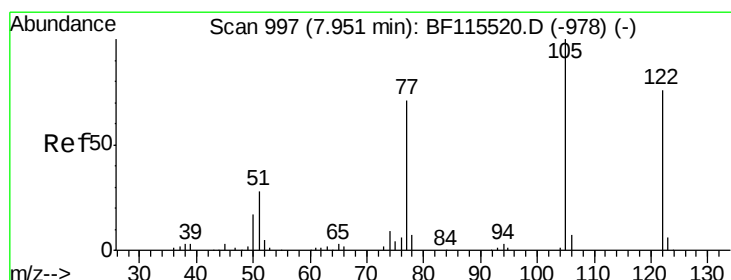
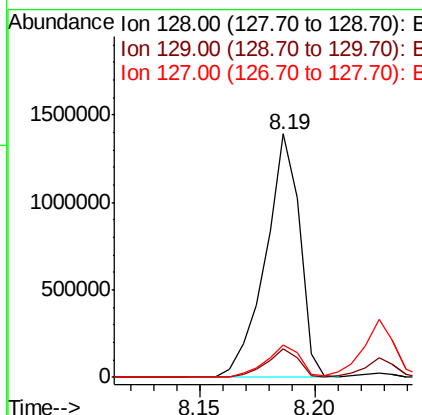
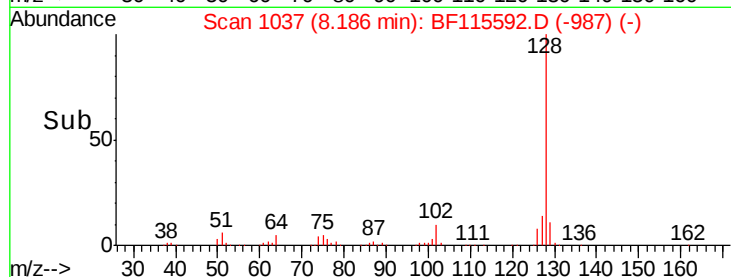
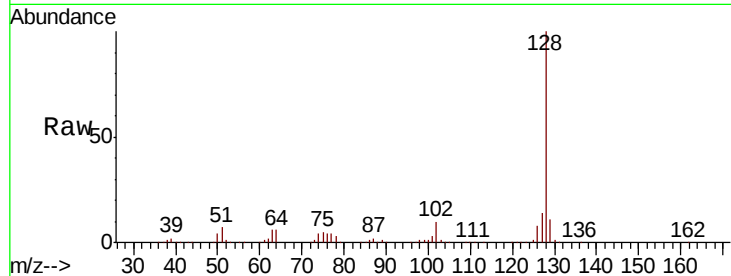
#31
Naphthalene
Concen: 38.883 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.9	14.9
127	13.5	12.1	18.1

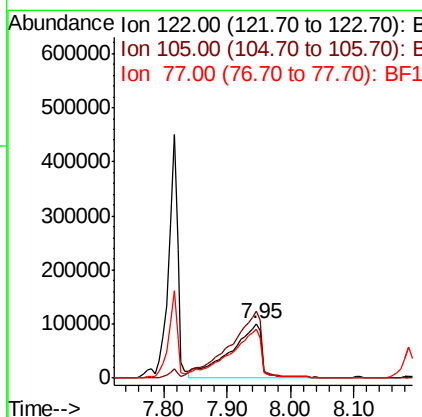
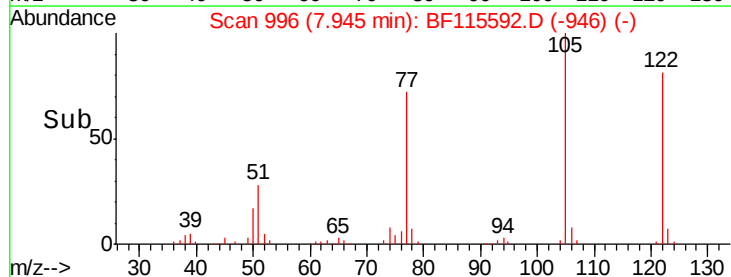
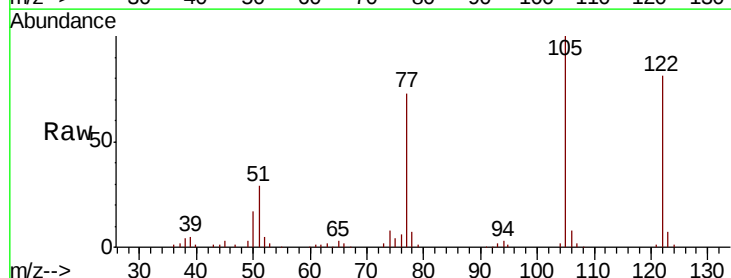
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#32
Benzoic acid
Concen: 39.219 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
122	100		
105	124.0	102.5	142.5
77	90.0	70.2	110.2





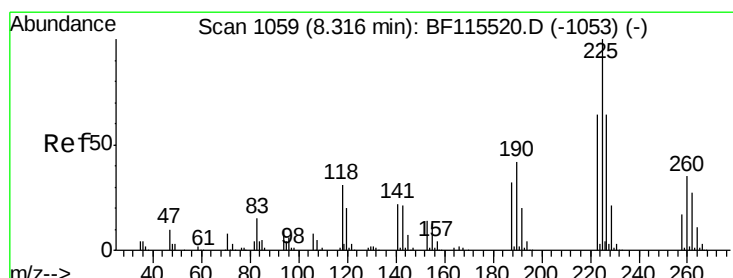
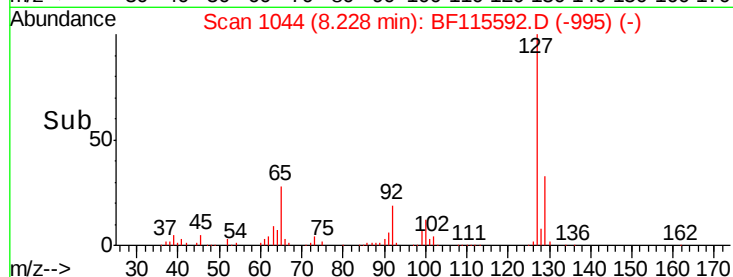
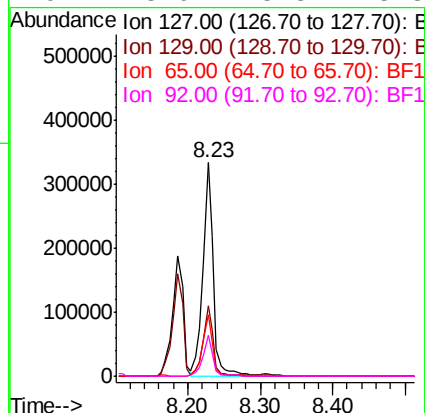
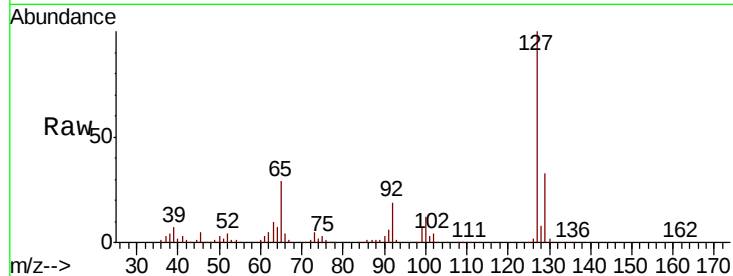
#33
4-Chloroaniline
Concen: 20.561 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleID :
PB121412BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.7	26.6	39.8		
65	28.9	23.7	35.5		
92	18.9	15.8	23.8		

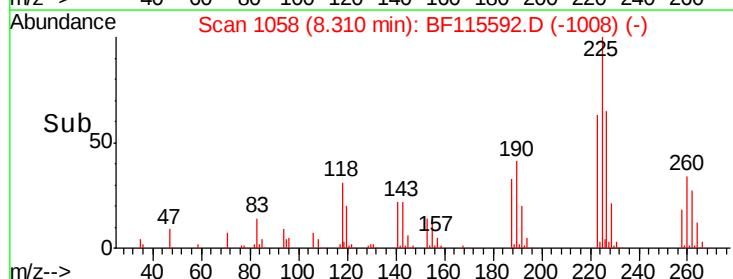
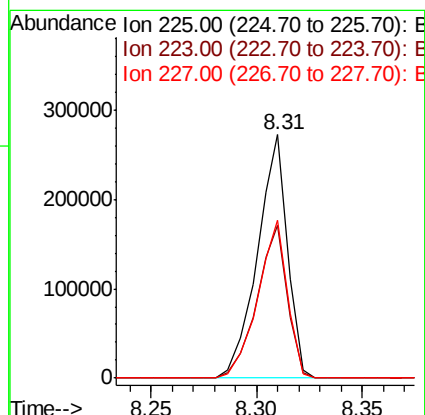
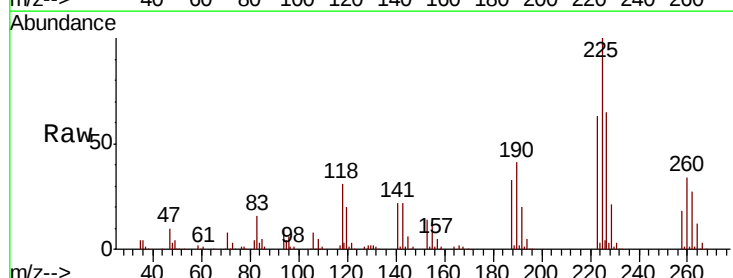
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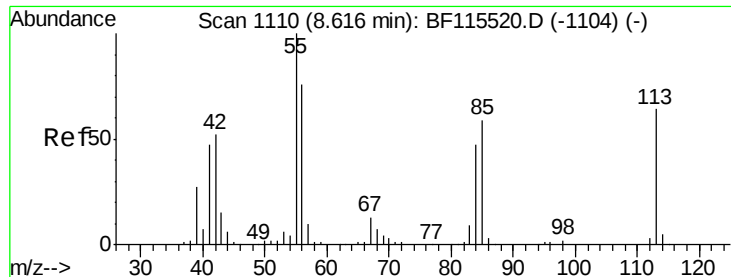
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#34
Hexachlorobutadiene
Concen: 36.601 ng
RT: 8.31 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.7	50.9	76.3		
227	64.9	50.7	76.1		





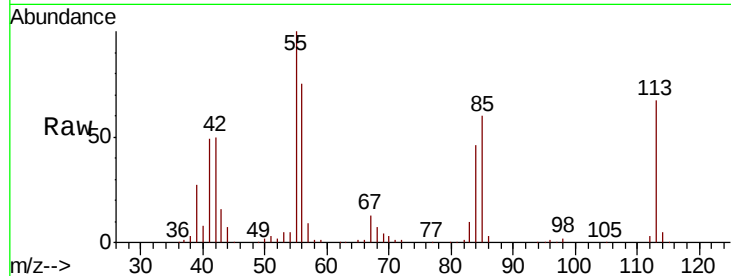
#35
Caprolactam
Concen: 39.221 ng/ml
RT: 8.60 min Scan# 1108
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

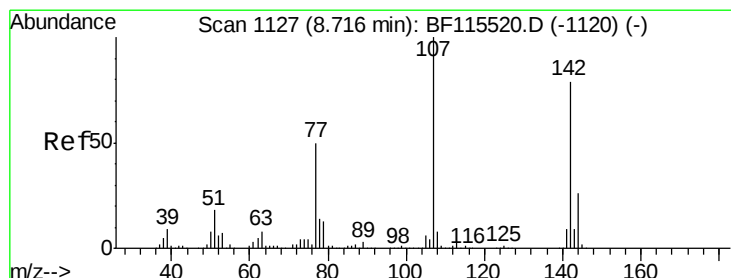
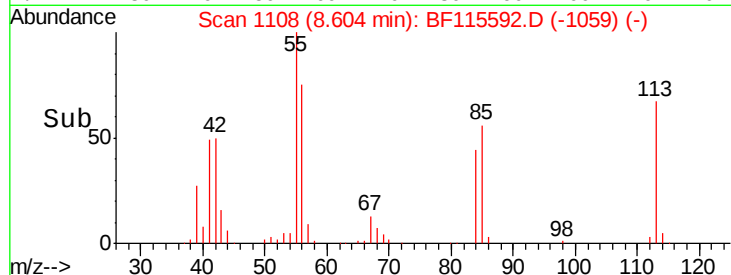
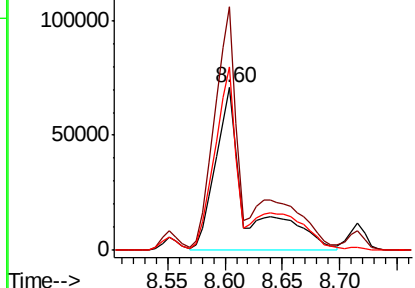
Tot Ion	Ratio	Lower	Upper
113	100		
55	149.5	126.9	166.9
56	112.8	90.3	130.3

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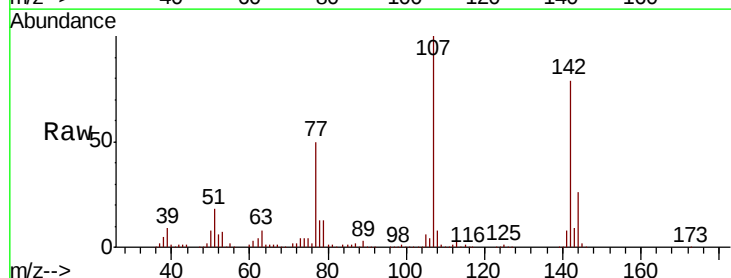


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

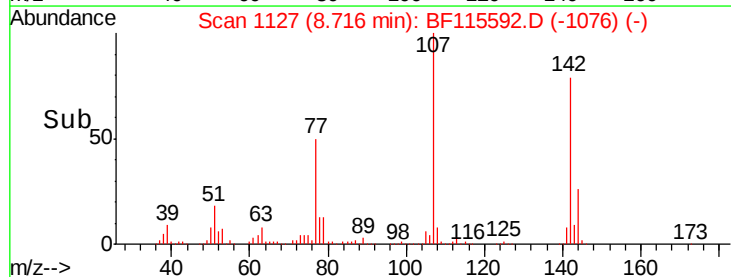
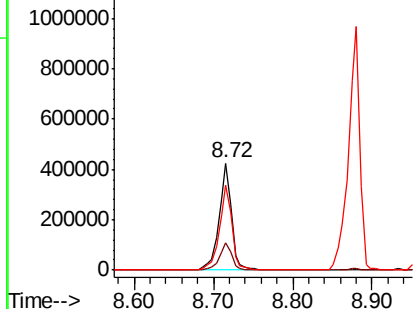


#36
4-Chloro-3-methylphenol
Concen: 39.113 ng/ml
RT: 8.72 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.6	30.8
142	79.4	63.1	94.7



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





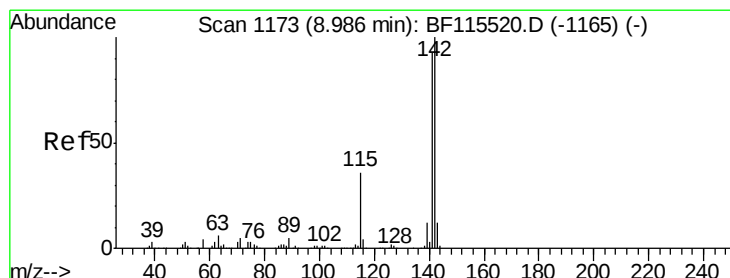
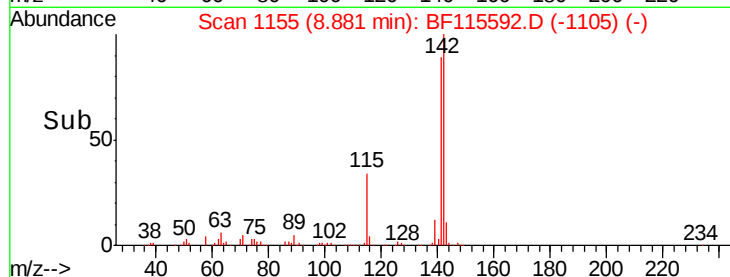
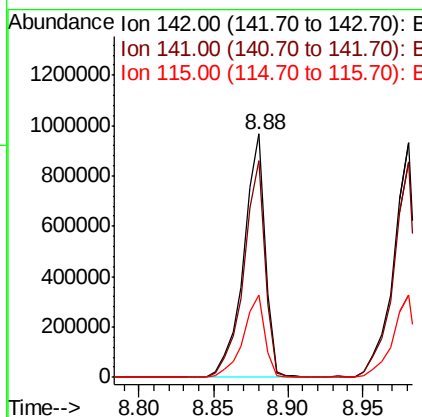
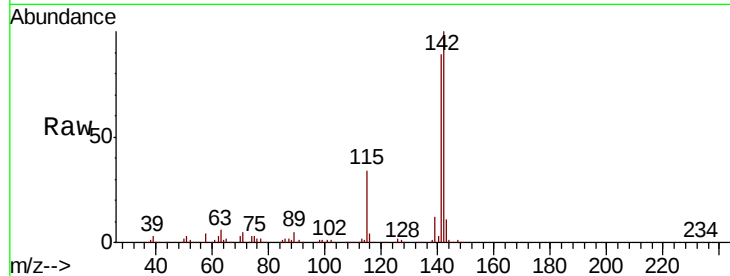
#37
2-Methylnaphthalene
Concen: 39.649 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.0	108.0
115	33.8	29.9	44.9

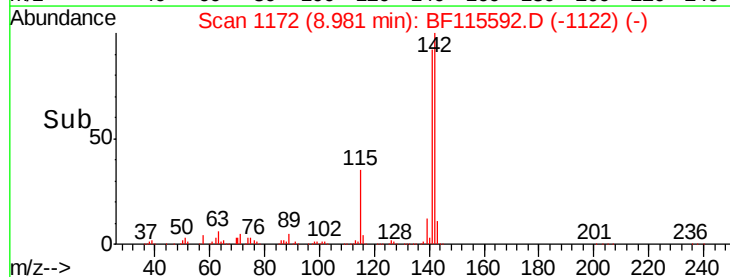
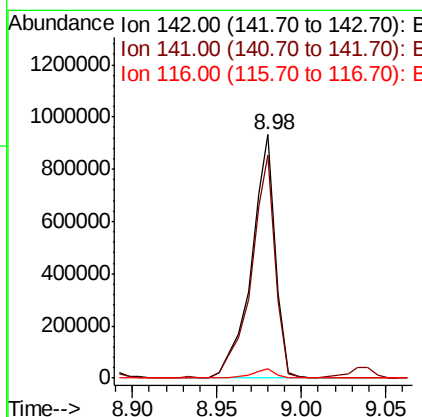
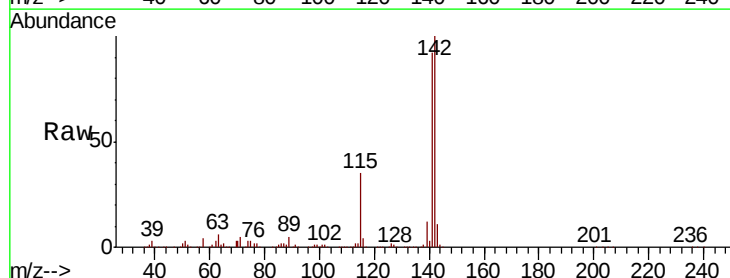
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#38
1-Methylnaphthalene
Concen: 39.518 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	75.3	112.9
116	3.7	3.3	4.9





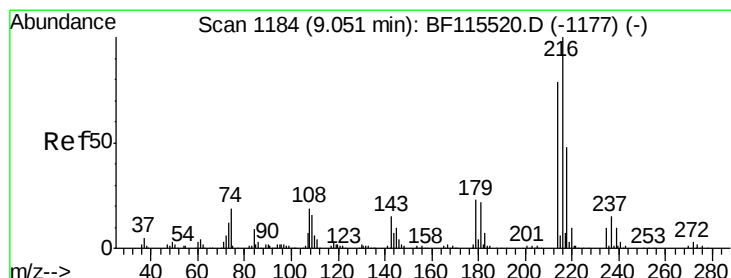
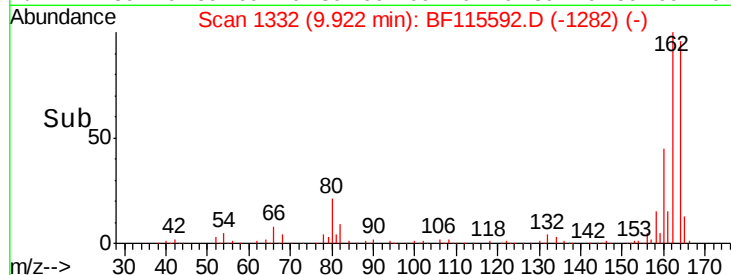
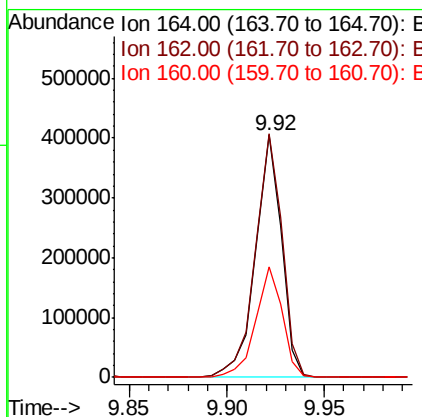
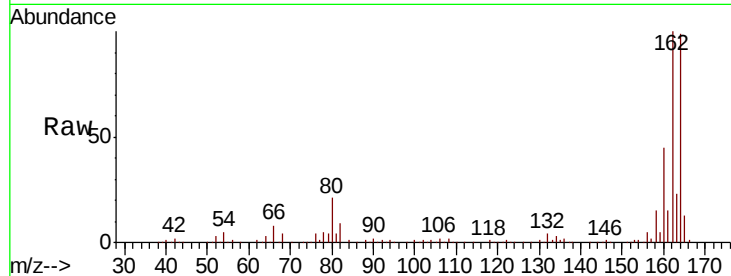
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampled :
PB121412BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.9	124.3
160	45.5	36.8	55.2

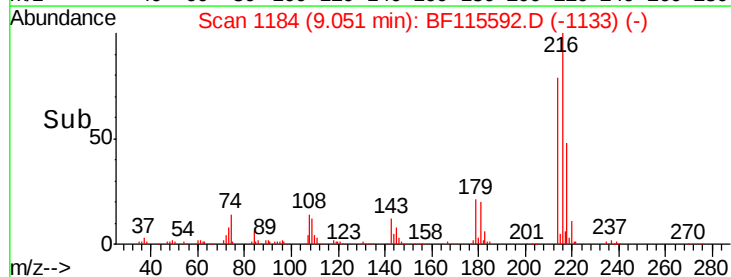
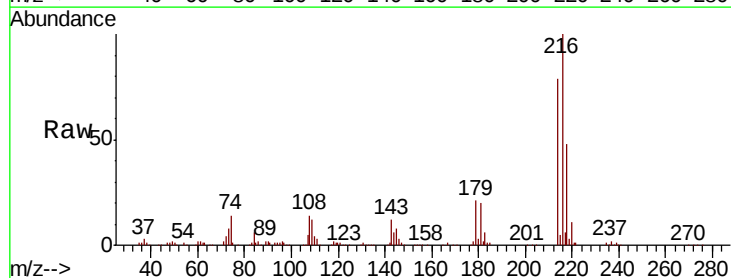
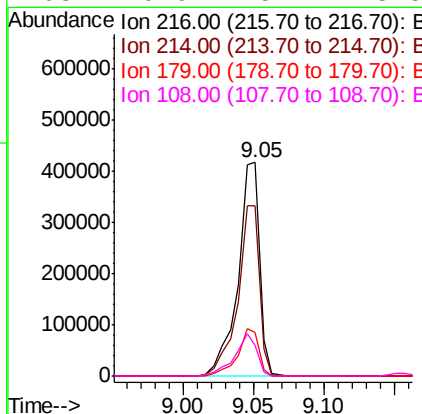
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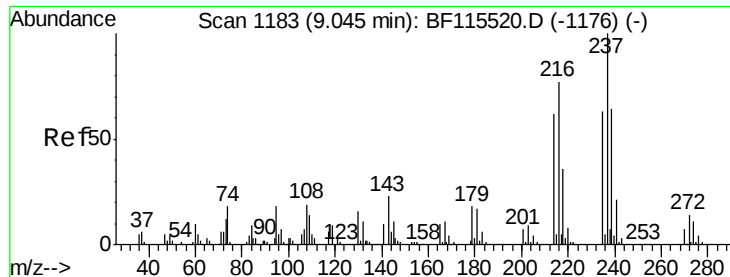
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.167 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.7	65.1	97.7
179	21.6	18.3	27.5
108	19.9	15.7	23.5





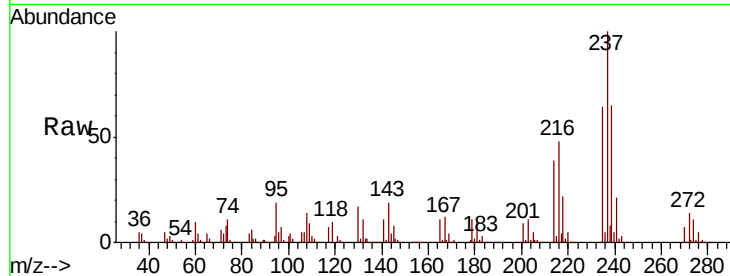
#41
 Hexachlorocyclopentadiene
 Concen: 56.352 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB121412BS

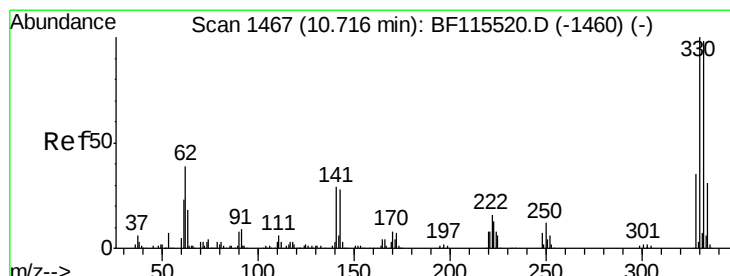
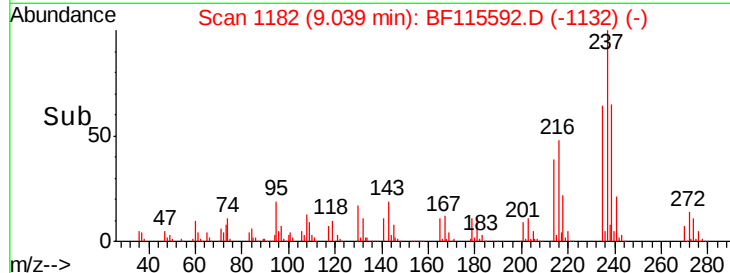
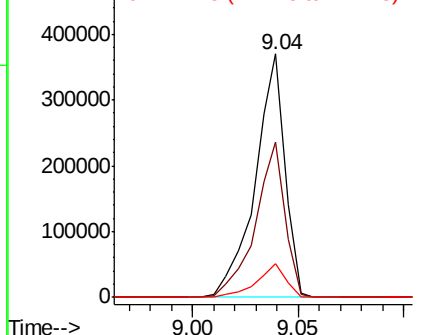
Tot Ion:	237	Resp:	363947
Ion Ratio	Lower	Upper	
237	100		
235	63.5	43.6	83.6
272	14.0	0.0	33.9

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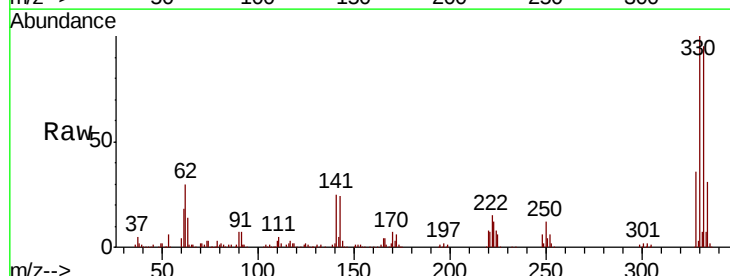


Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

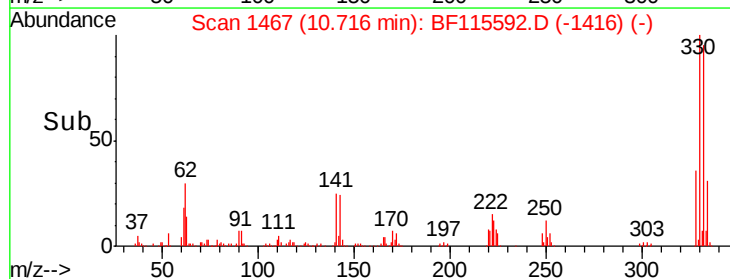
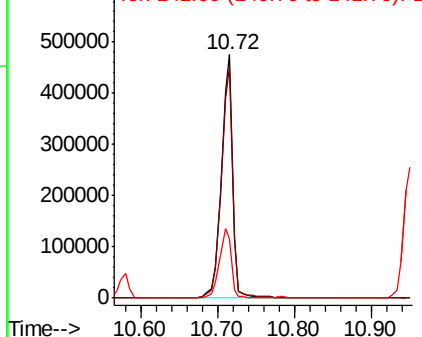


#42
 2,4,6-Tribromophenol
 Concen: 108.746 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Tgt Ion:	330	Resp:	477233
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.4	116.2
141	30.3	22.4	33.6



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





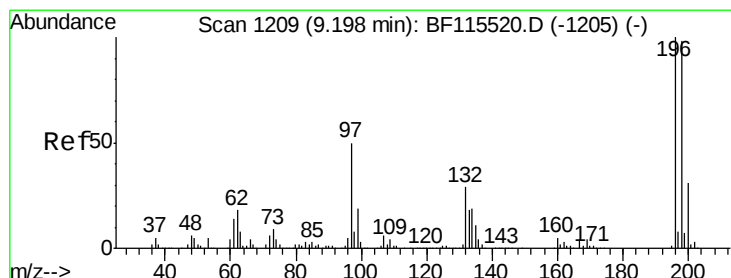
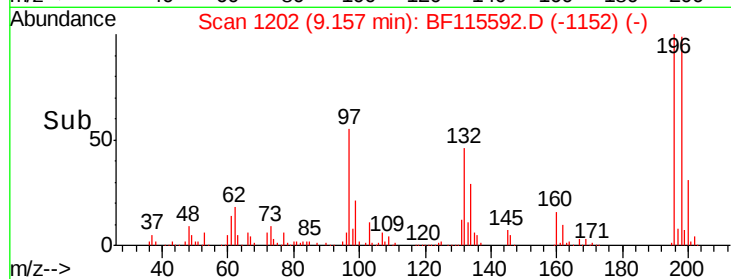
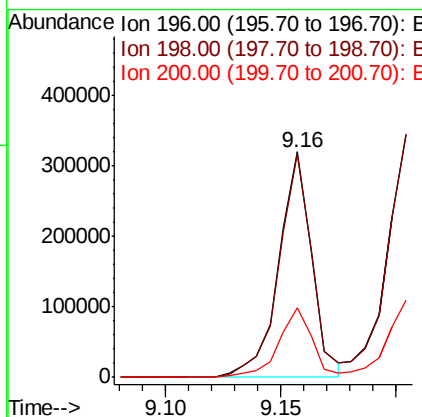
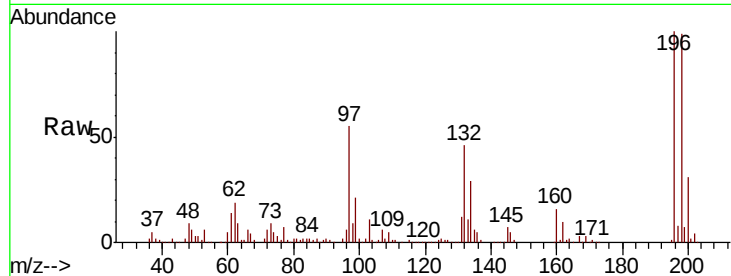
#43
 2,4,6-Trichlorophenol
 Concen: 38.043 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB121412BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	314983		
198	98.7	80.6	121.0	
200	30.8	25.8	38.6	

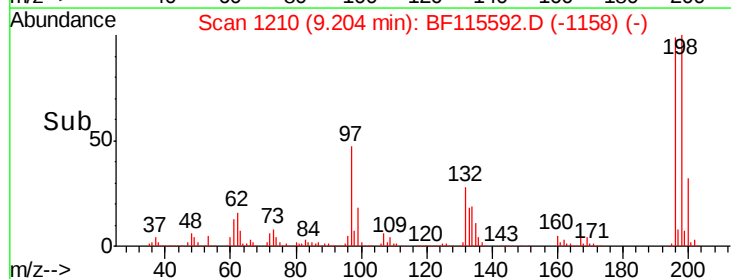
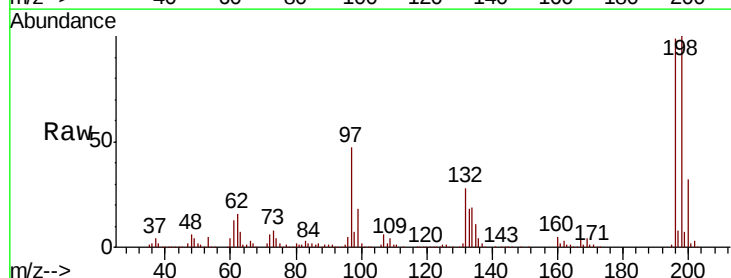
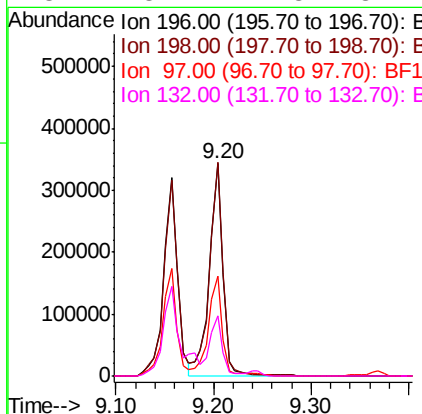
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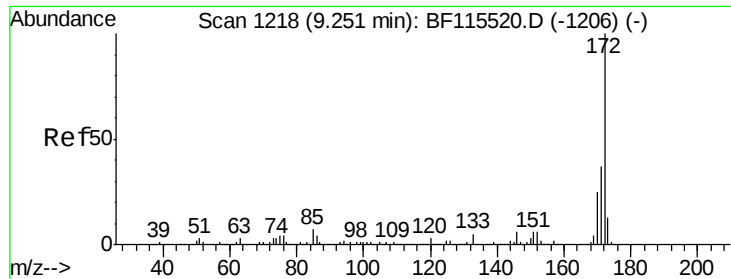
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 39.281 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	333074		
198	100.7	79.6	119.4	
97	47.0	37.8	56.6	
132	28.2	22.8	34.2	





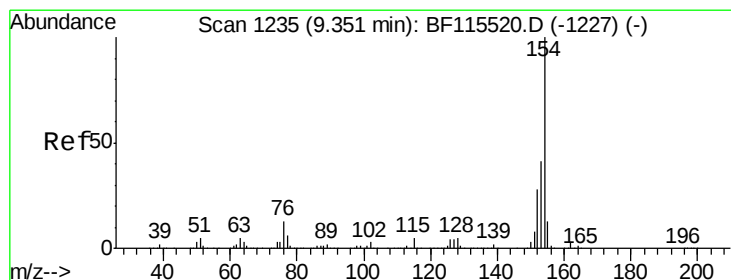
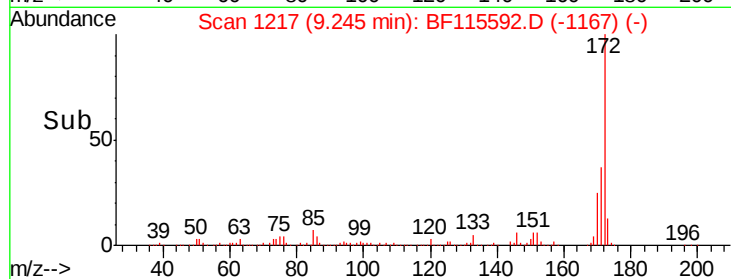
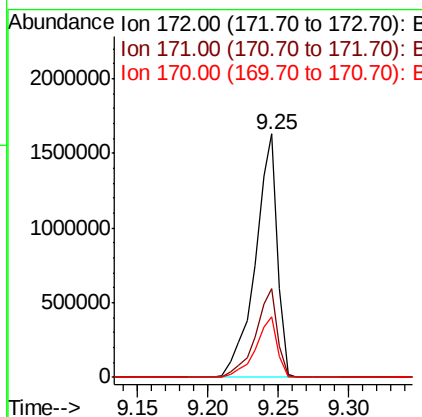
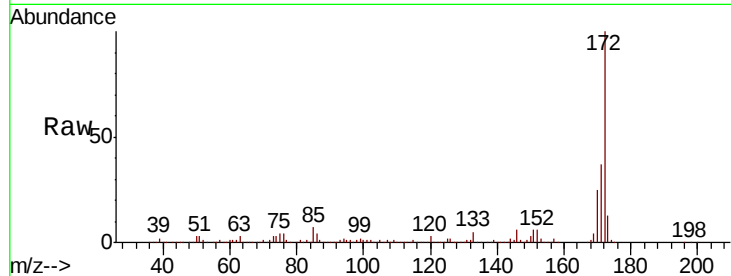
#45
2-Fluorobiphenyl
Concen: 83.615 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.6	30.6	46.0	
170	25.0	20.5	30.7	

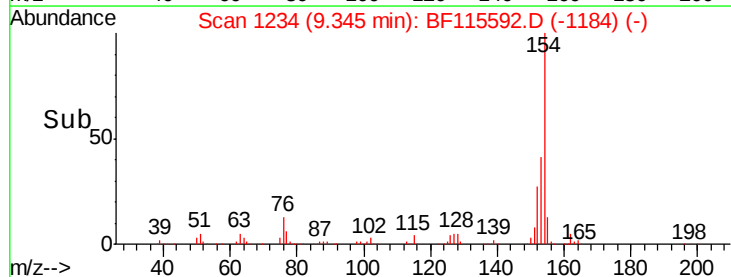
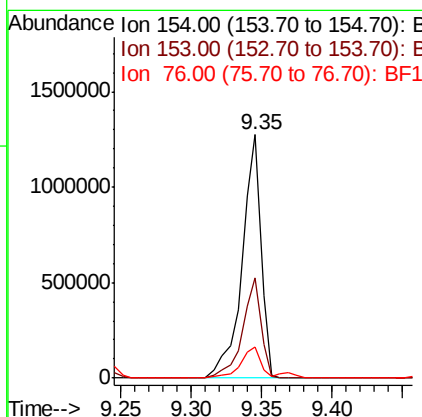
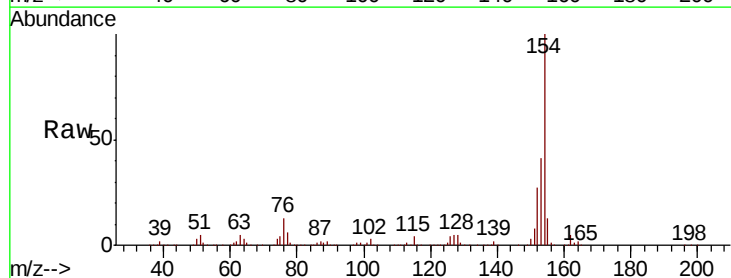
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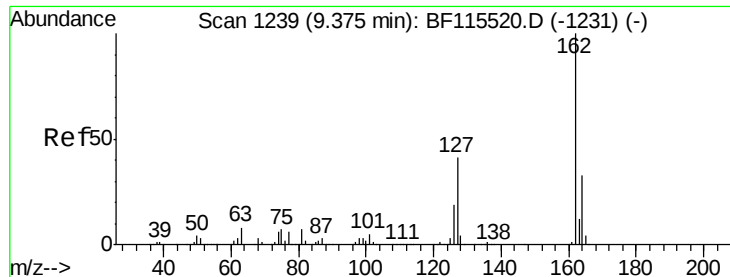
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#46
1,1'-Biphenyl
Concen: 40.471 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	41.1	22.6	62.6	
76	12.7	0.0	33.4	





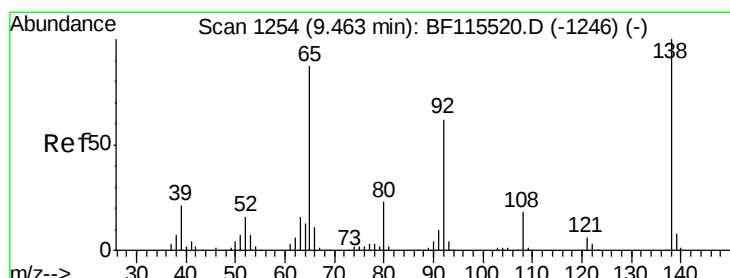
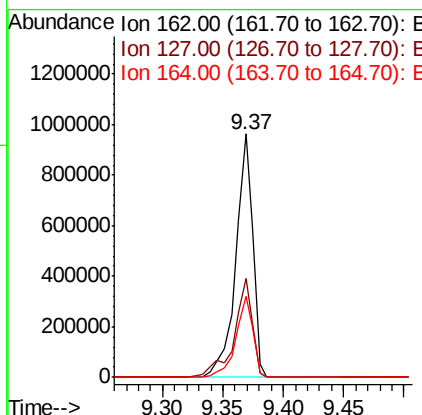
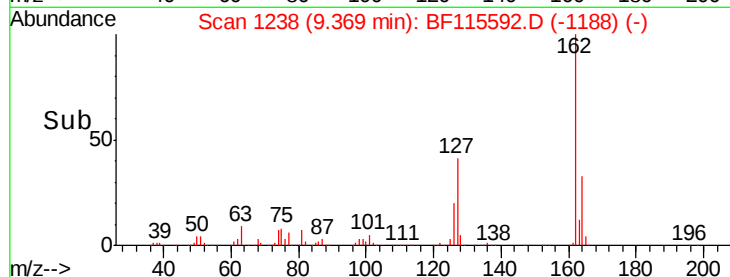
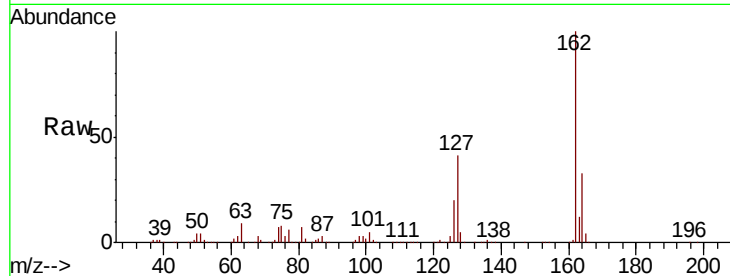
#47
2-Chloronaphthalene
Concen: 38.892 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	40.6	34.1	51.1	
164	33.5	27.4	41.2	

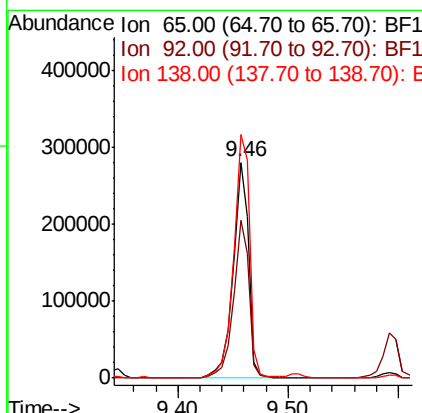
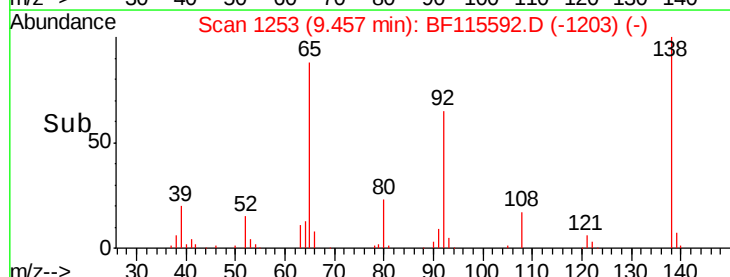
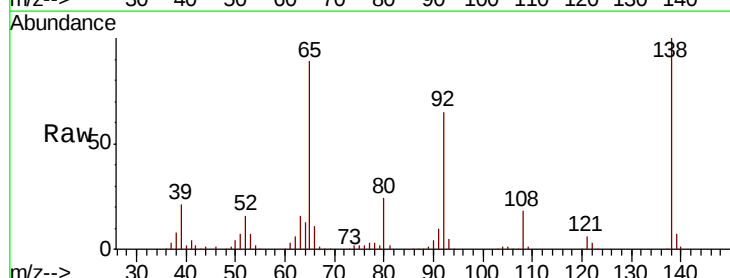
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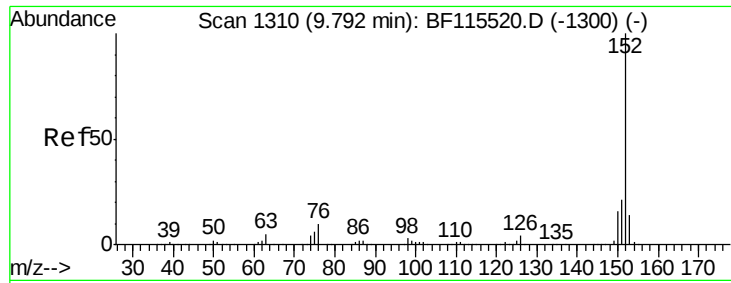
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#48
2-Nitroaniline
Concen: 36.609 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	73.1	57.8	86.6	
138	112.7	91.2	136.8	





#49

Acenaphthylene

Concen: 38.367 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB121412BS

Tot Ion:152 Resp: 1391368

Ion Ratio Lower Upper

152 100

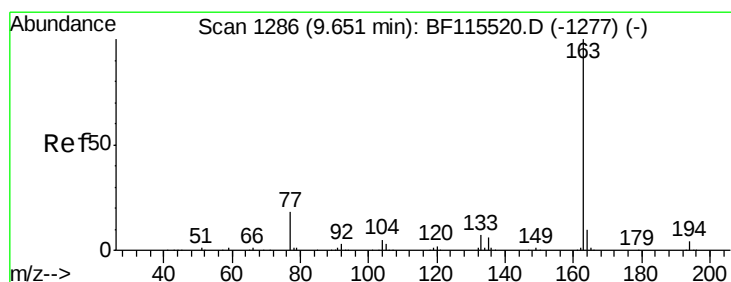
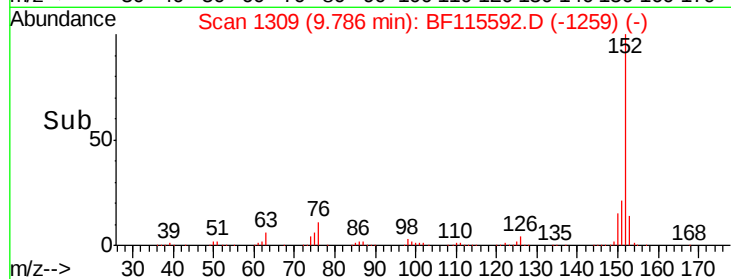
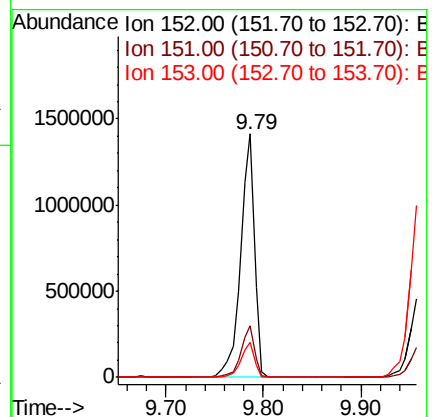
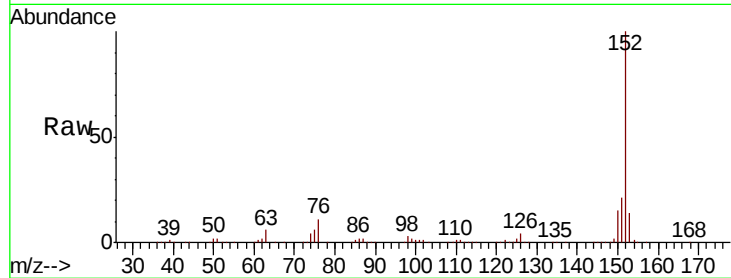
151 21.1 17.7 26.5

153 14.1 12.0 18.0

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#50

Dimethylphthalate

Concen: 38.381 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

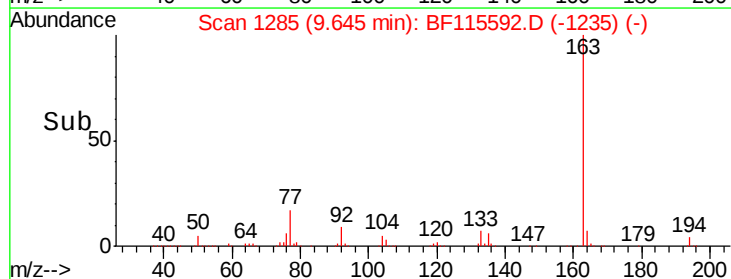
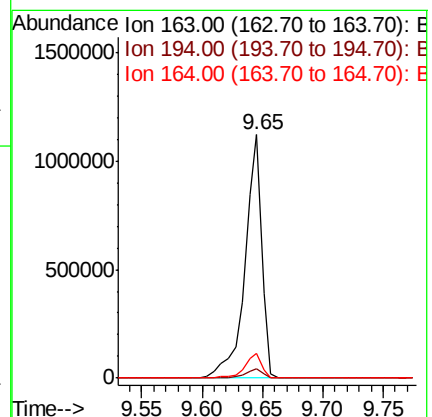
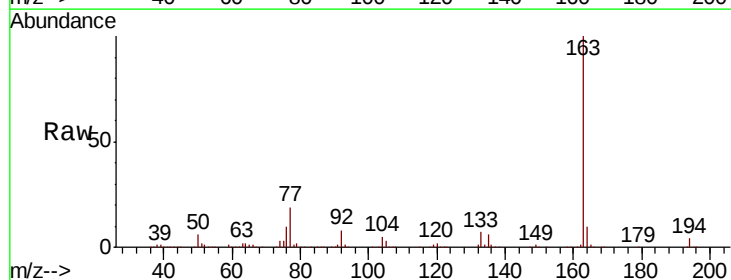
Tgt Ion:163 Resp: 1085704

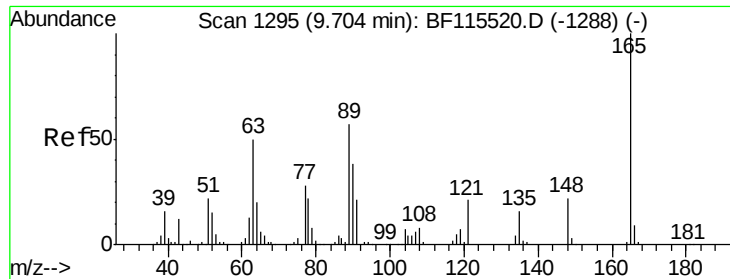
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.2 8.7 13.1





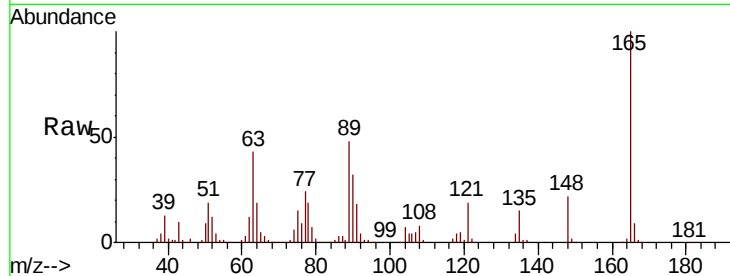
#51
 2,6-Dinitrotoluene
 Concen: 38.945 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Instrument :
 BNA_F
 ClientSampled :
 PB121412BS

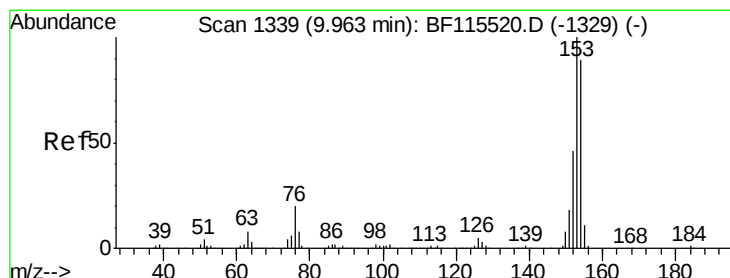
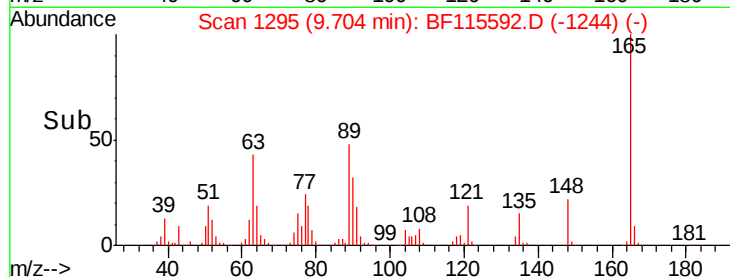
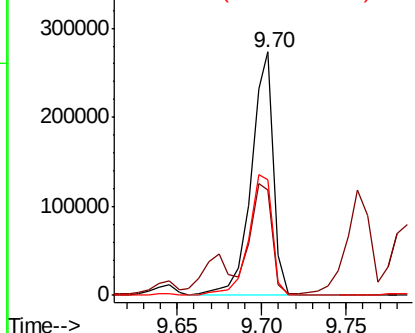
Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	43.1	40.6	61.0
89	47.6	43.9	65.9

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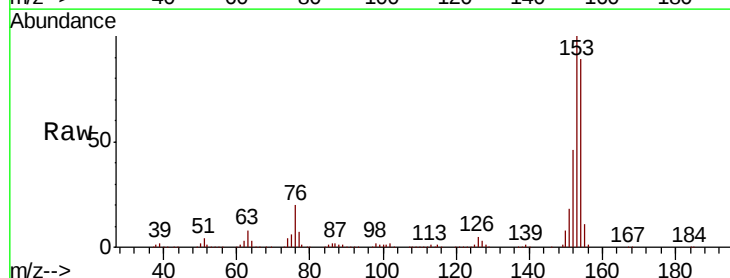


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

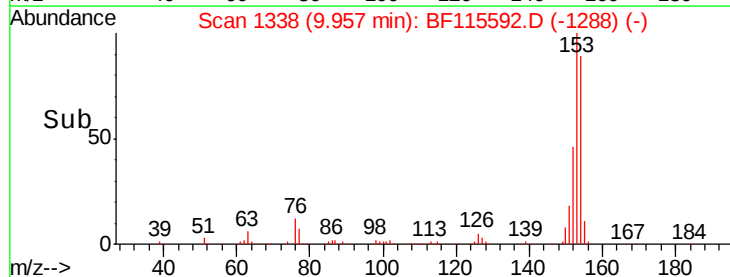
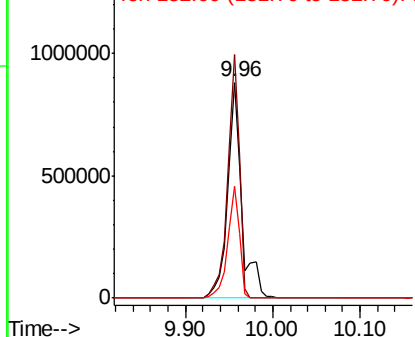


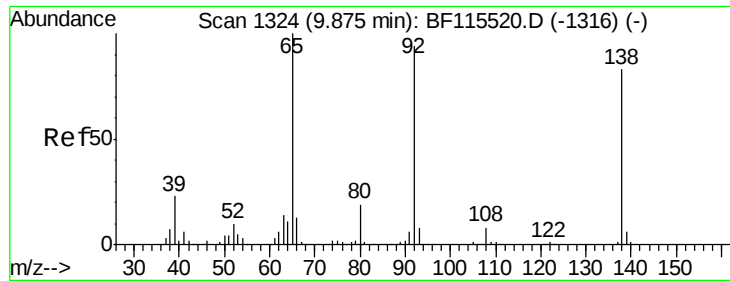
#52
 Acenaphthene
 Concen: 42.267 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	112.8	88.6	133.0
152	51.8	42.3	63.5



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





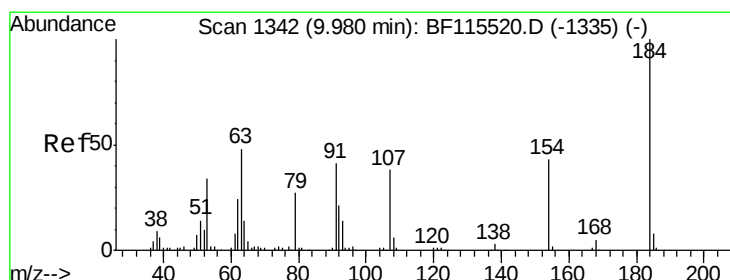
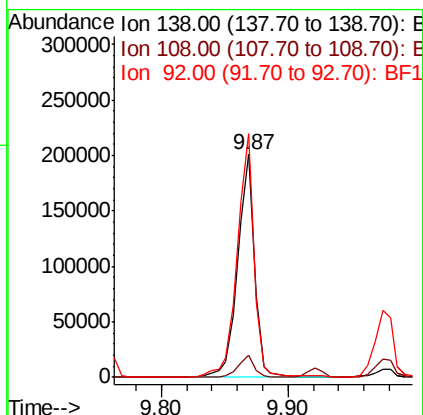
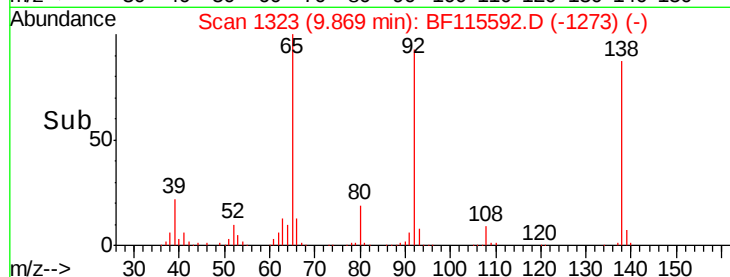
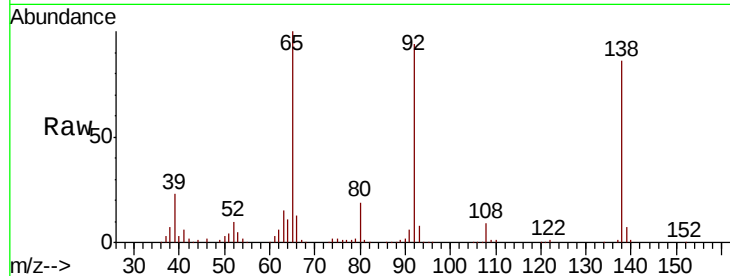
#53
3-Nitroaniline
Concen: 24.840 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.4	12.6
92	109.3	88.0	132.0

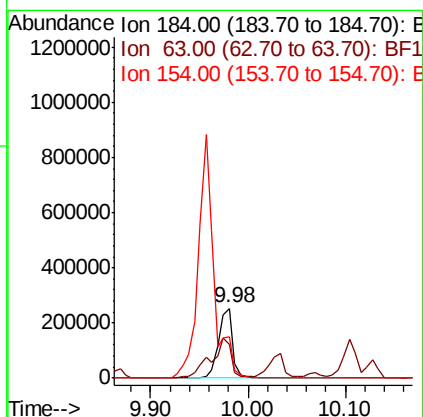
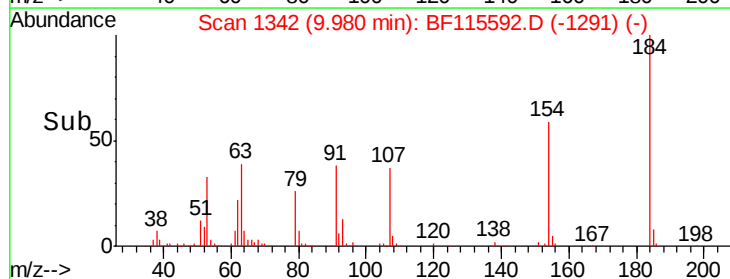
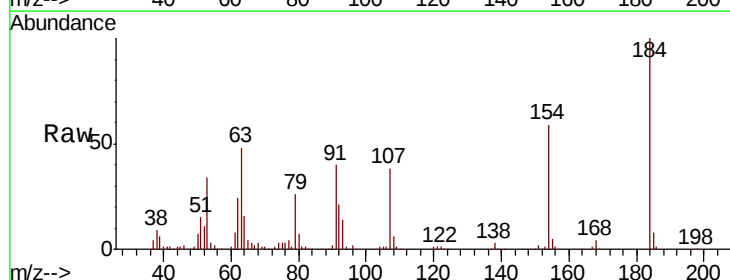
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#54
2,4-Dinitrophenol
Concen: 77.848 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
184	100		
63	48.4	48.7	73.1#
154	59.4	48.6	73.0





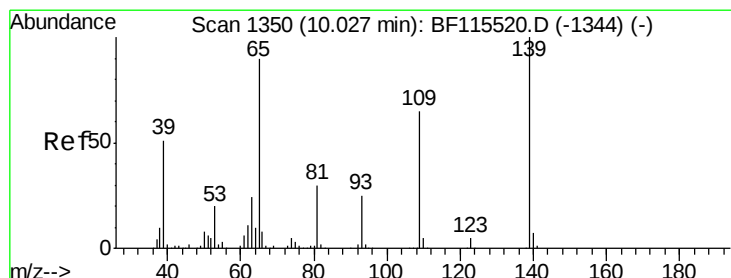
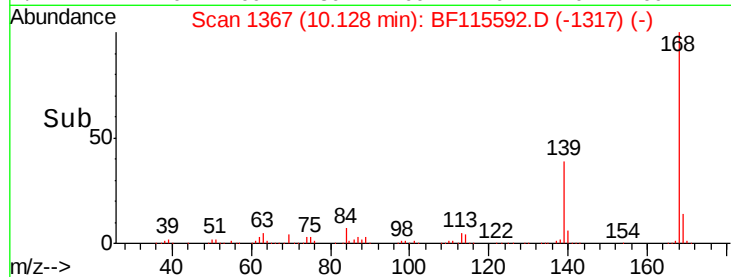
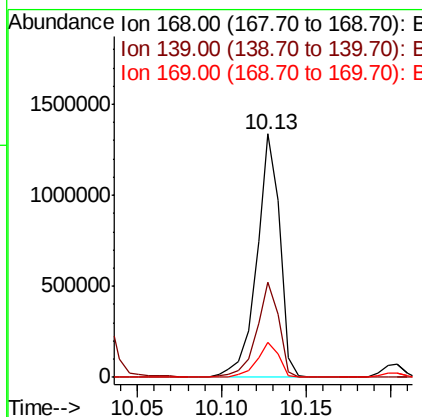
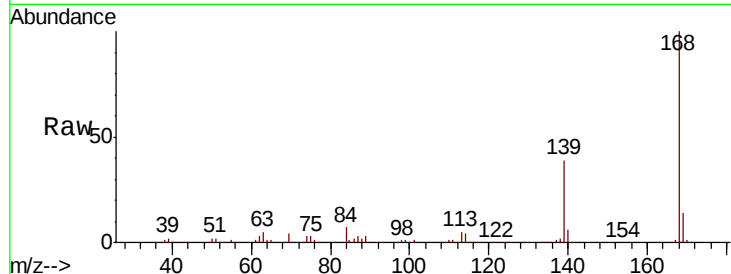
#55
Dibenzenofuran
Concen: 38.040 ng
RT: 10.13 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion:168 Resp: 1264833
Ion Ratio Lower Upper
168 100
139 39.2 31.1 46.7
169 14.1 11.1 16.7

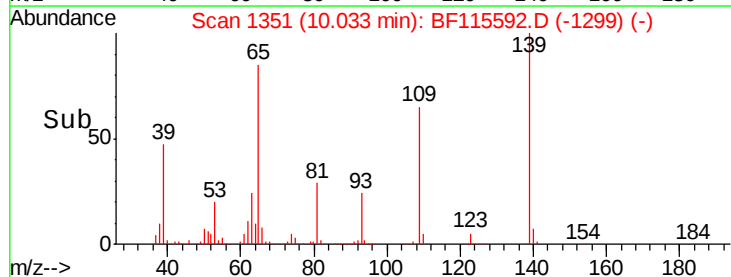
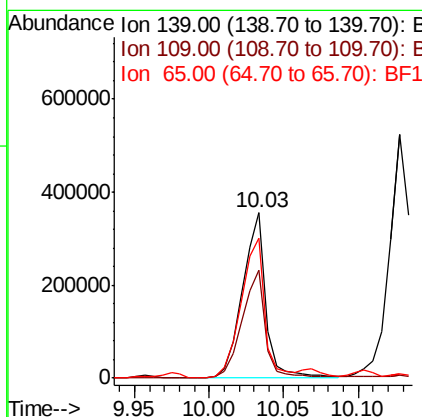
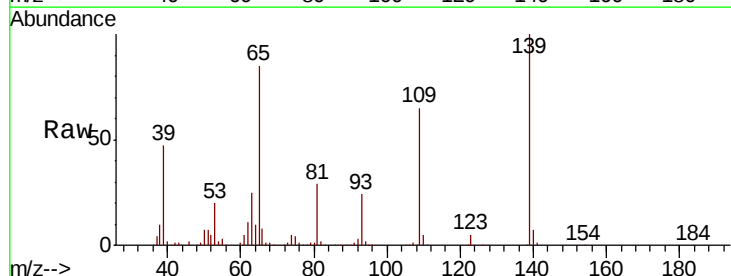
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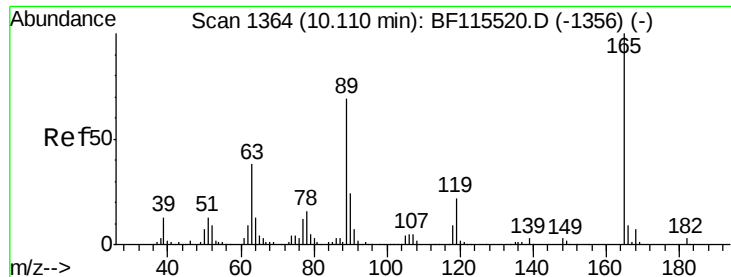
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#56
4-Nitrophenol
Concen: 68.742 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion:139 Resp: 385081
Ion Ratio Lower Upper
139 100
109 64.9 46.4 86.4
65 84.8 68.9 108.9





#57

2,4-Dinitrotoluene

Concen: 40.287 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

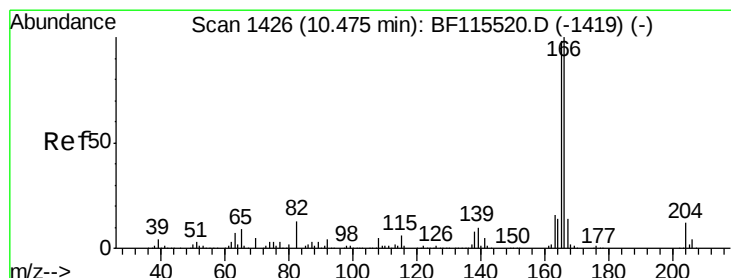
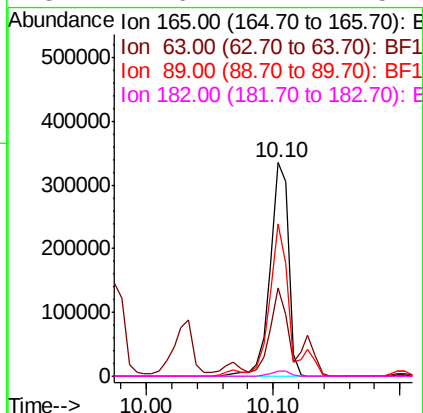
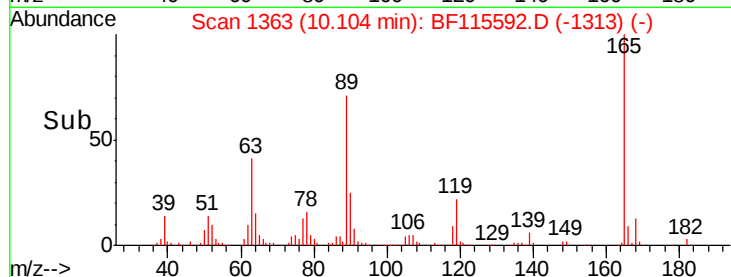
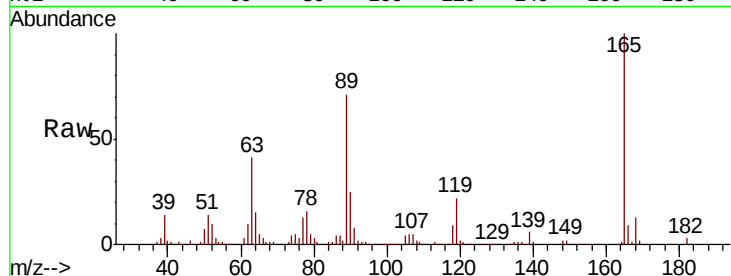
ClientSampleId :

PB121412BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	41.4	34.9	52.3	
89	71.2	57.5	86.3	
182	2.6	2.2	3.4	

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#58

Fluorene

Concen: 39.364 ng

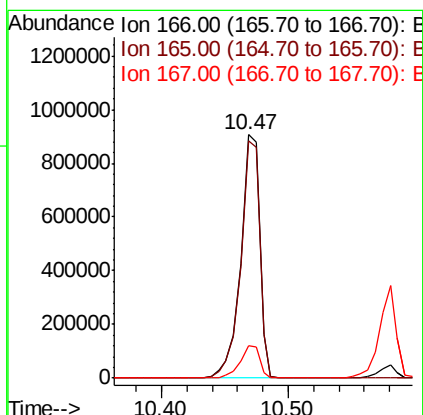
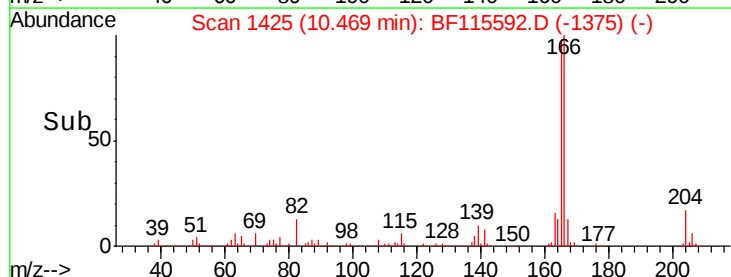
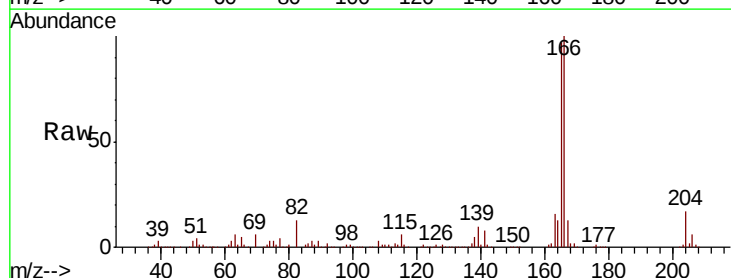
RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.3	79.8	119.6	
167	13.5	11.2	16.8	





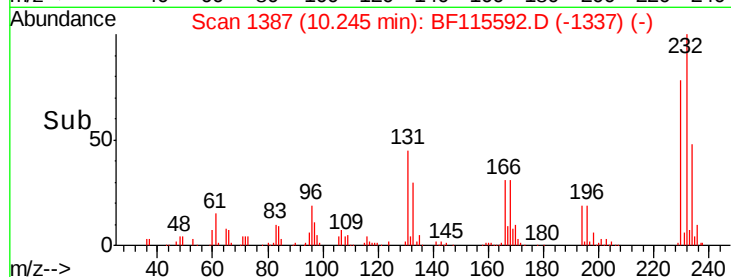
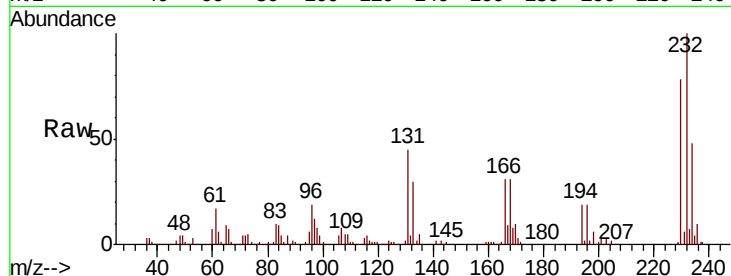
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.375 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	293272		
131	43.9		35.9	53.9
130	2.0		1.8	2.6
166	28.8		24.8	37.2

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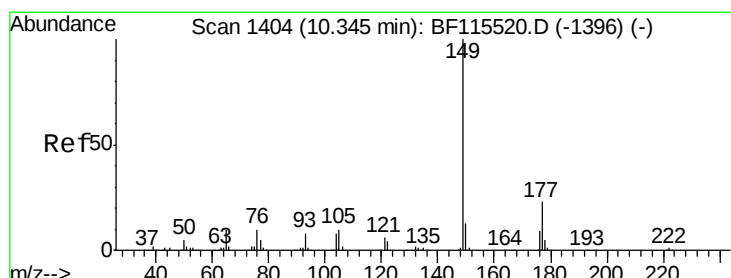
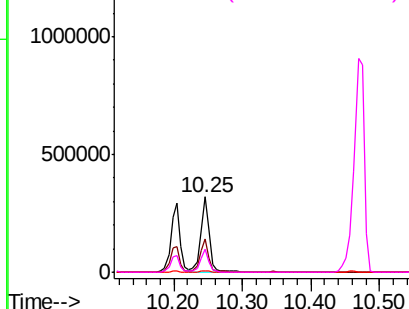
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

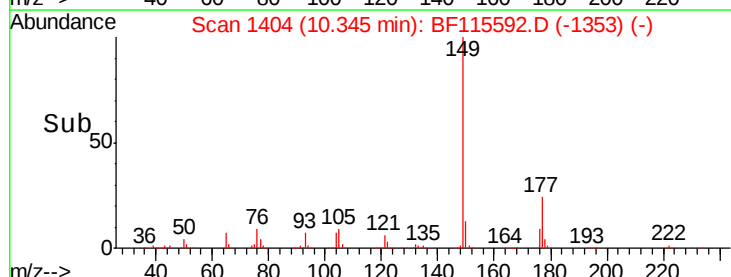
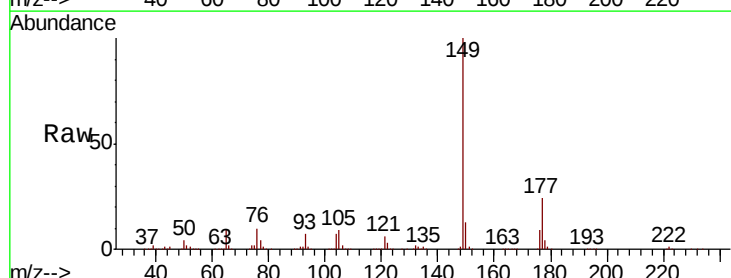
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 39.478 ng
RT: 10.35 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1046328		
177	23.9		19.5	29.3
150	12.8		10.4	15.6

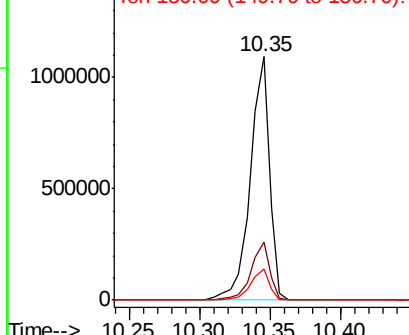


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





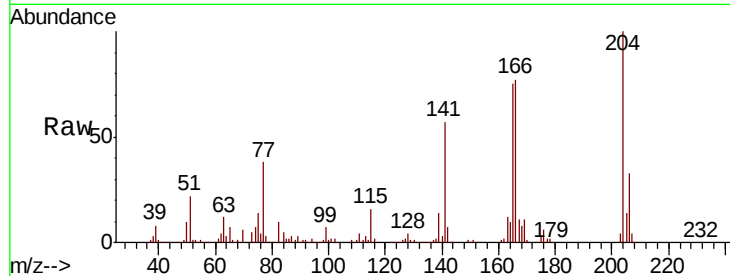
#61
 4-Chlorophenyl-phenylether
 Concen: 36.542 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB121412BS

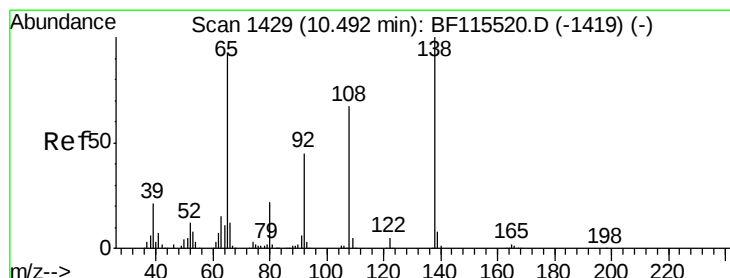
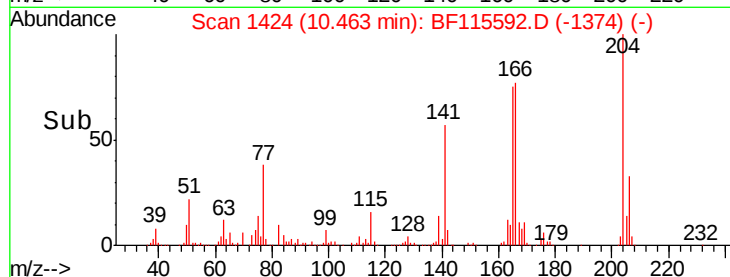
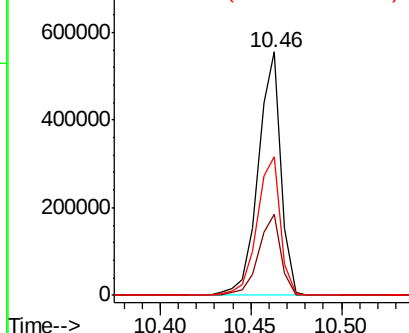
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.7	40.1
141	57.0	44.2	66.2

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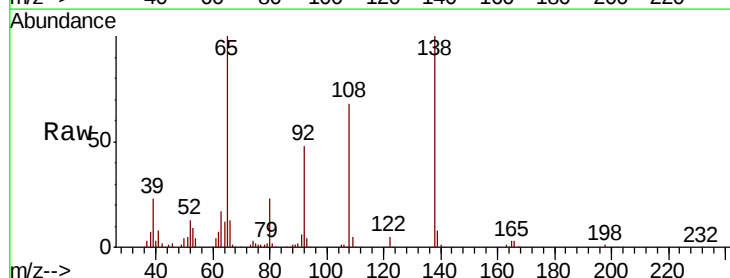


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

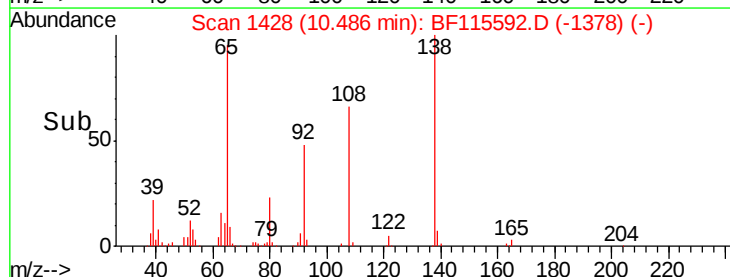
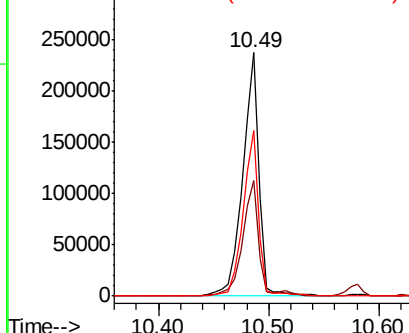


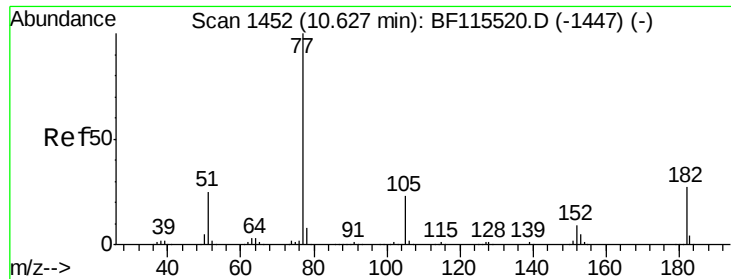
#62
 4-Nitroaniline
 Concen: 34.910 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.7	27.1	67.1
108	67.9	48.0	88.0



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





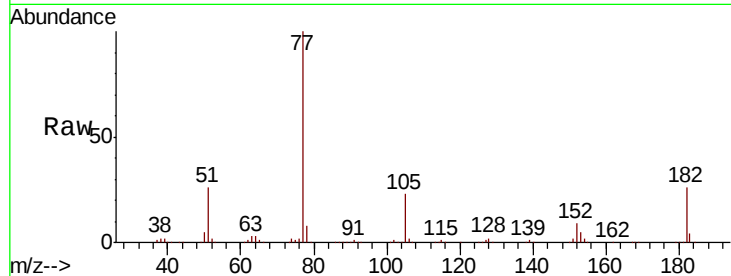
#63
Azobenzene
Concen: 38.967 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

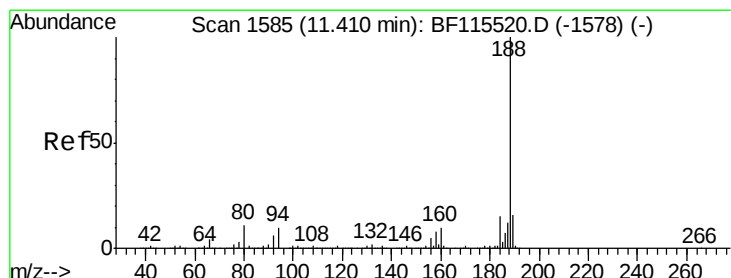
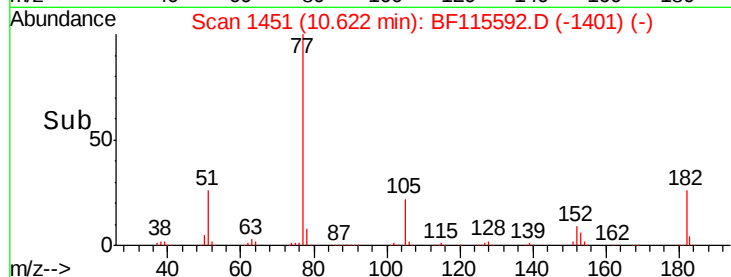
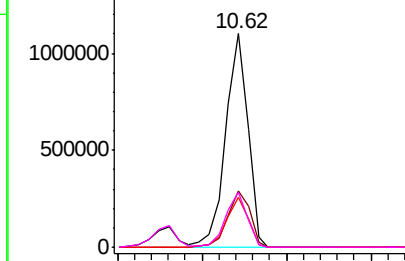
Tot Ion	Ratio	Lower	Upper
77	100		
182	26.2	6.9	46.9
105	23.3	3.9	43.9
51	25.7	7.3	47.3

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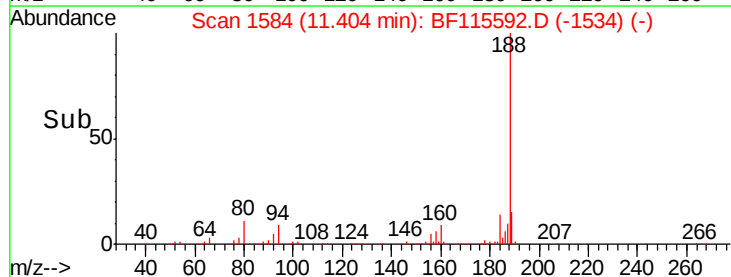
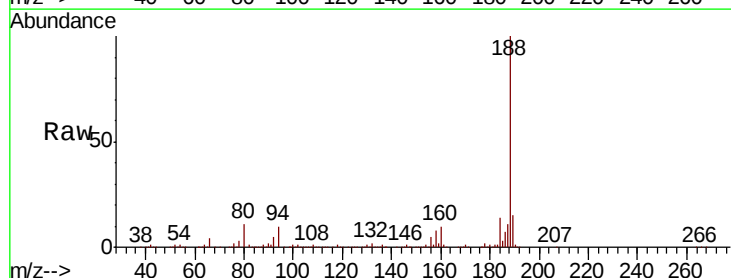
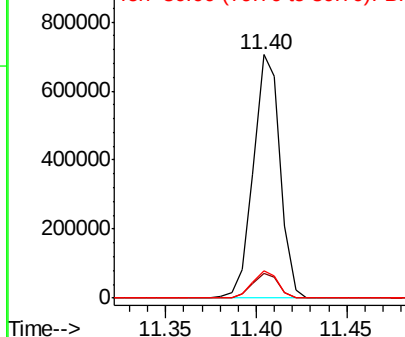
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

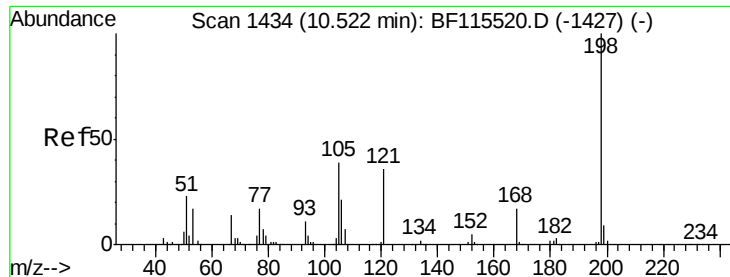


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	11.0	8.6	13.0

Abundance Ion 188.00 (187.70 to 188.70): E
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: 37.490 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB121412BS

Tot Ion:198 Resp: 166230

Ion Ratio Lower Upper

198 100

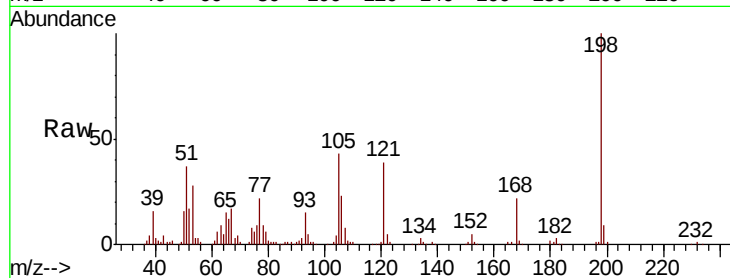
51 37.0 19.1 59.1

105 43.0 23.6 63.6

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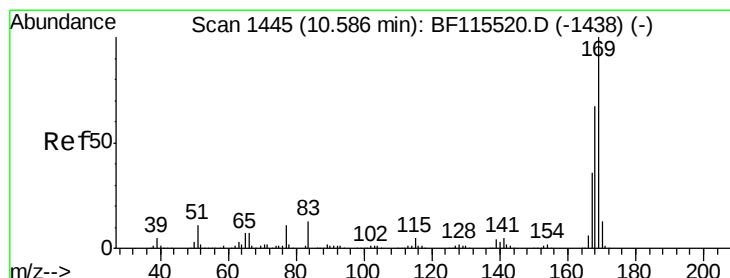
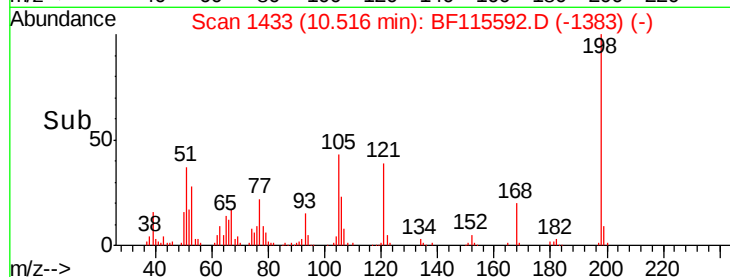
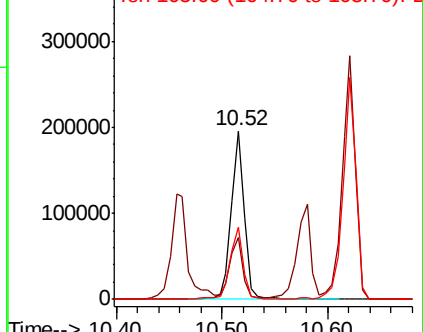
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 38.436 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

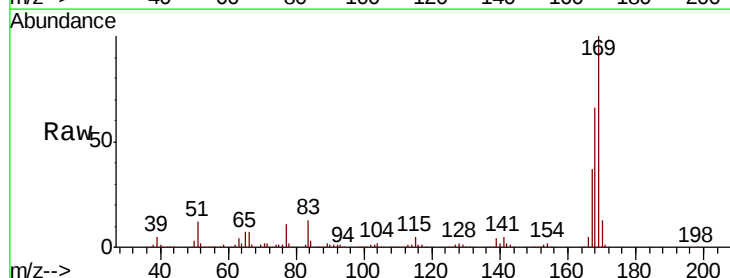
Tgt Ion:169 Resp: 867674

Ion Ratio Lower Upper

169 100

168 66.1 54.3 81.5

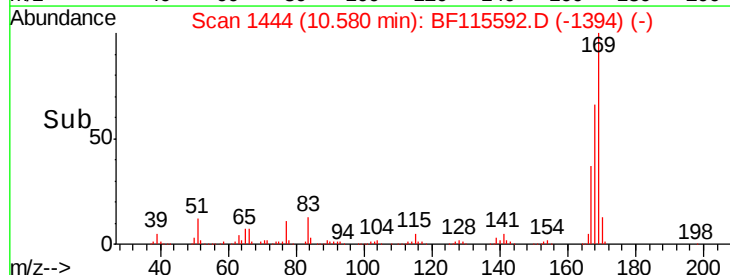
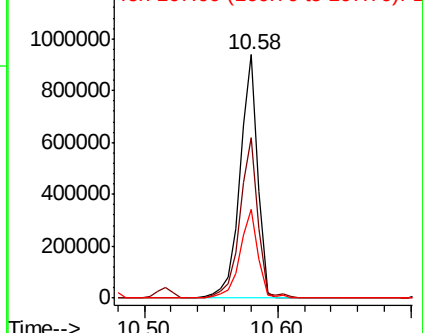
167 36.6 30.2 45.2

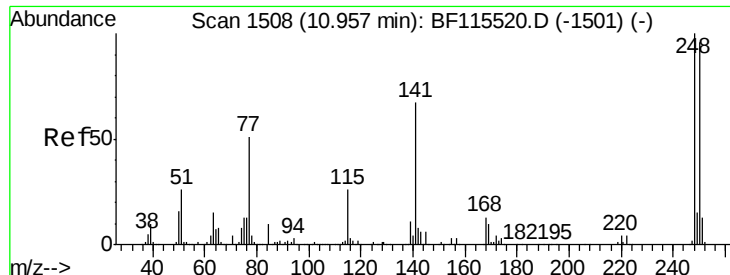


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





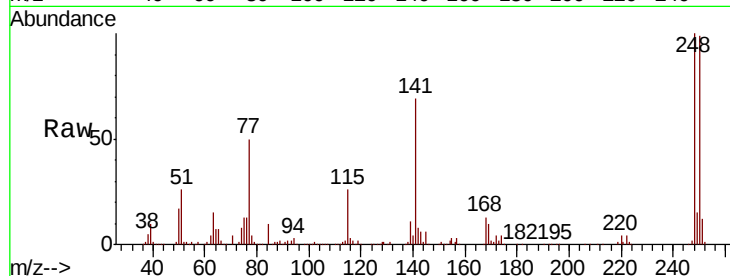
#67
 4-Bromophenyl-phenylether
 Concen: 38.275 ng
 RT: 10.95 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Instrument :
 BNA_F
 ClientSampleID :
 PB121412BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.1	78.0	117.0
141	68.6	57.7	86.5

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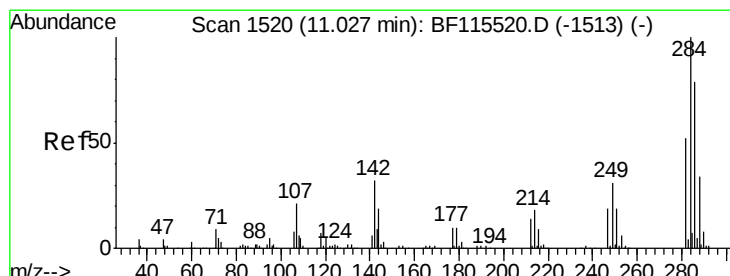
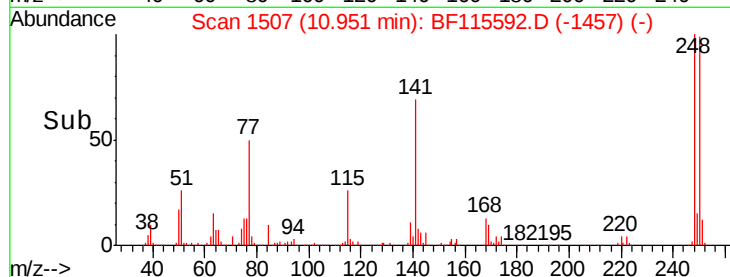
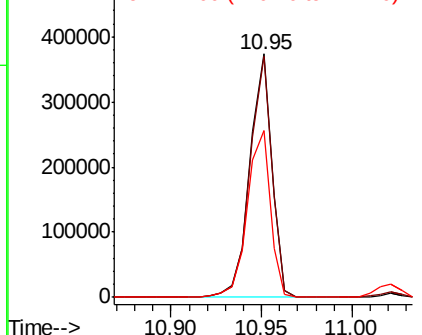


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 37.528 ng
 RT: 11.02 min Scan# 1519
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

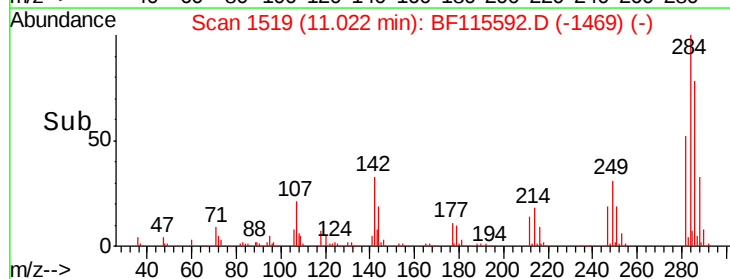
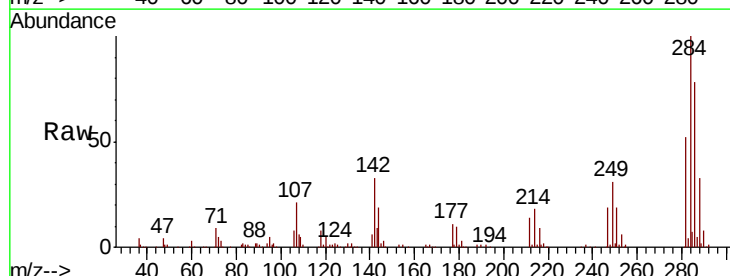
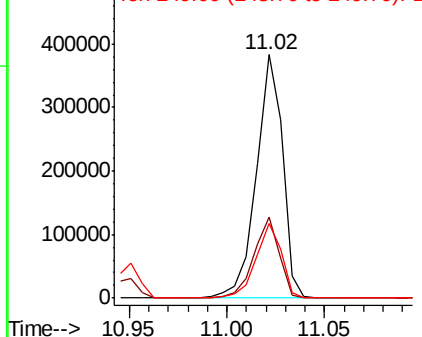
Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.3	22.2	33.2#
249	30.6	23.4	35.2

Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





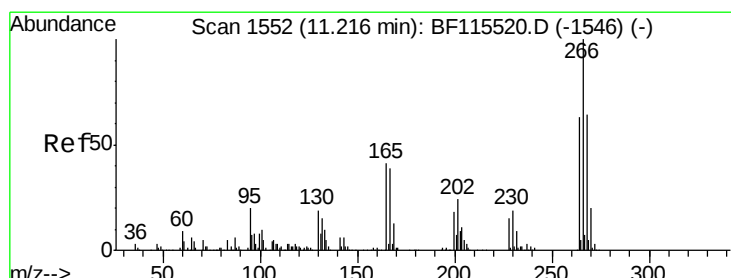
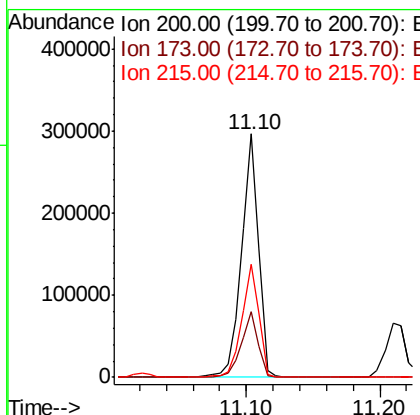
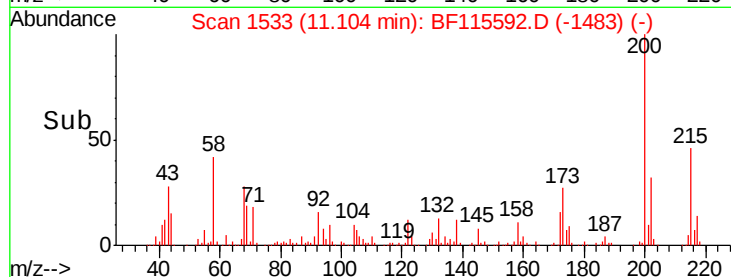
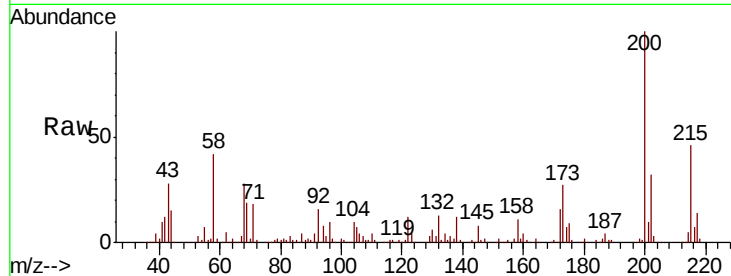
#69
Atrazine
Concen: 35.429 ng
RT: 11.10 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.7	6.9	46.9
215	46.4	27.9	67.9

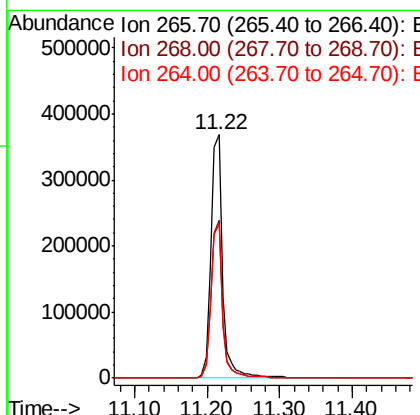
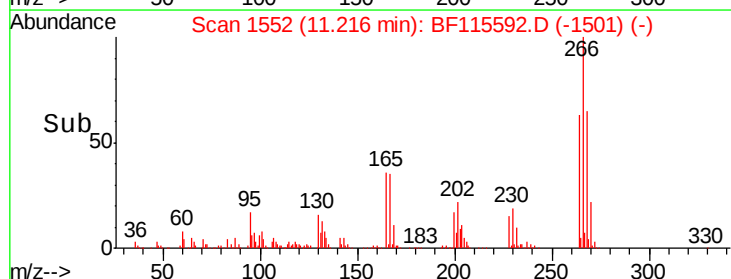
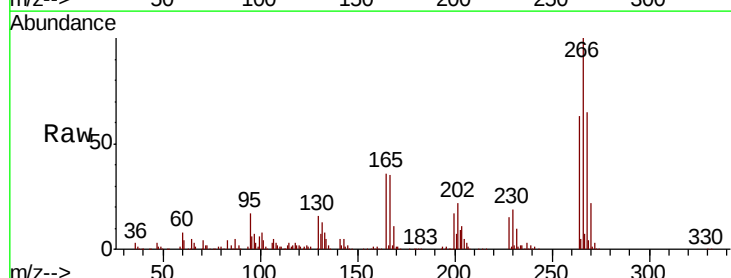
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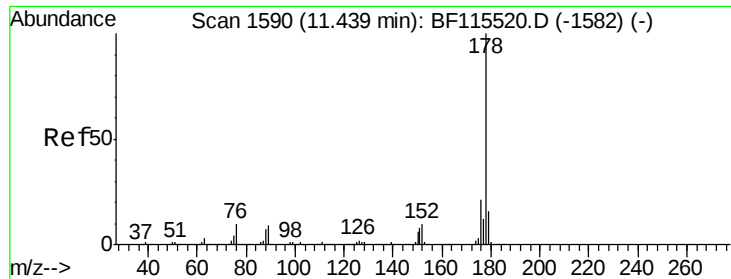
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#70
Pentachlorophenol
Concen: 71.332 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	64.9	51.6	77.4
264	63.4	50.6	76.0





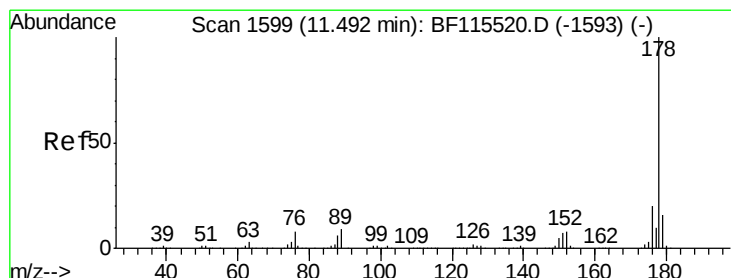
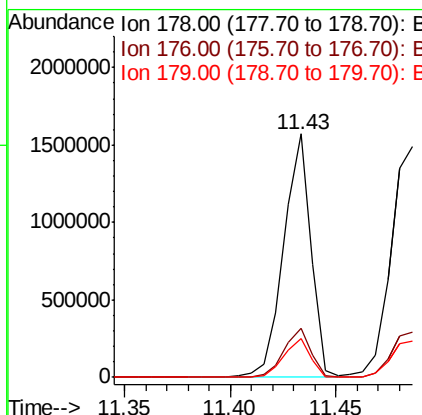
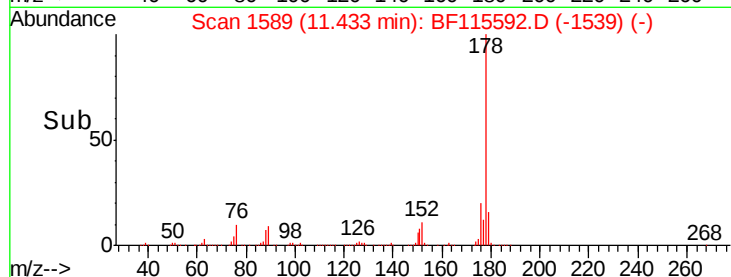
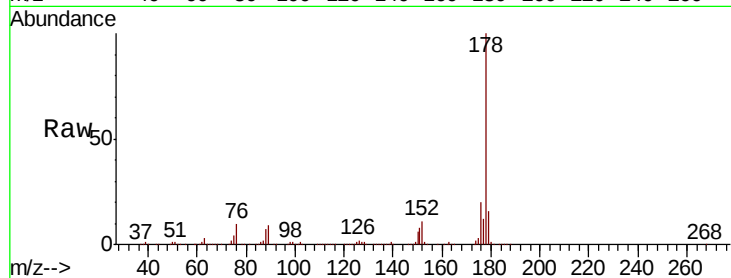
#71
Phenanthrene
Concen: 38.154 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion:178 Resp: 1419333
Ion Ratio Lower Upper
178 100
176 20.3 17.2 25.8
179 16.0 13.5 20.3

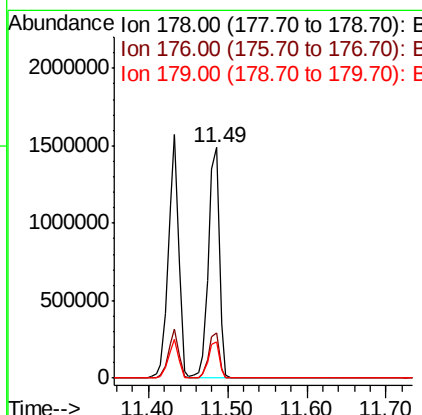
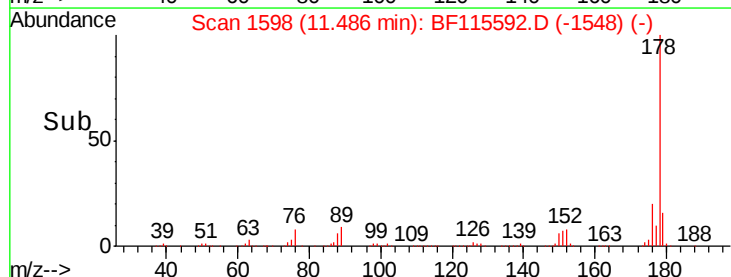
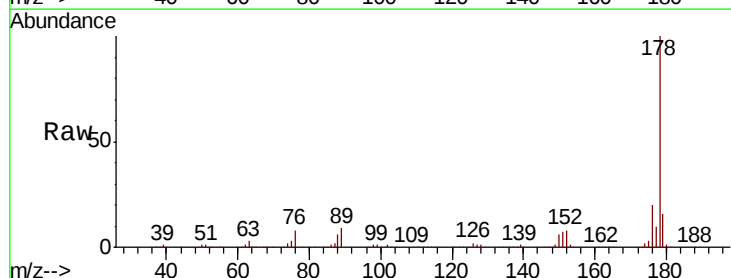
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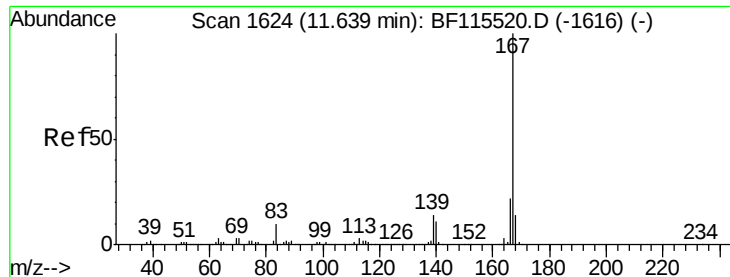
mohammad
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#72
Anthracene
Concen: 37.314 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion:178 Resp: 1434533
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.8 12.7 19.1





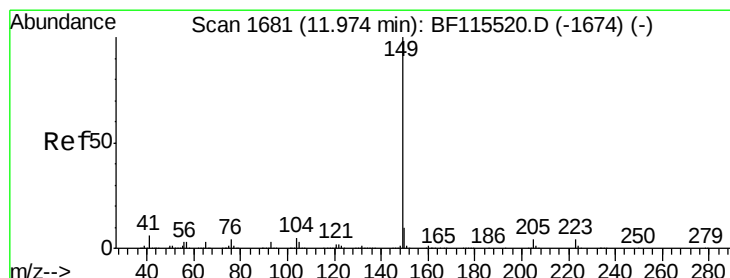
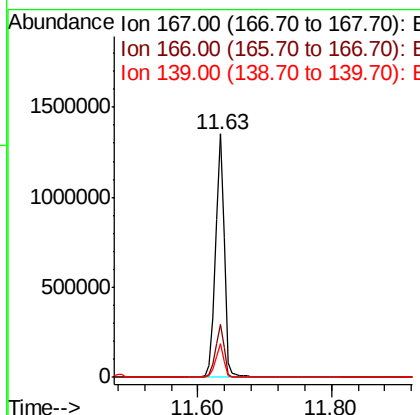
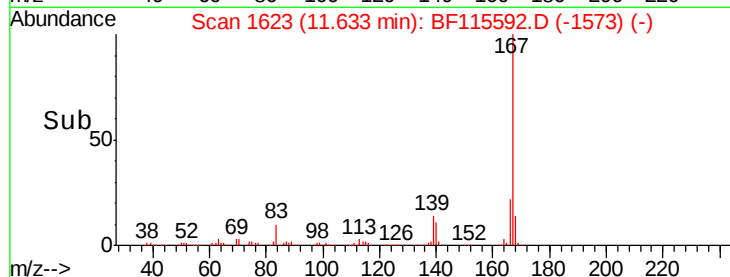
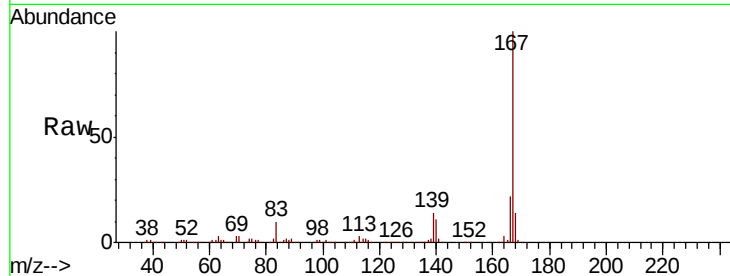
#73
 Carbazole
 Concen: 37.900 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB121412BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.1	27.1
139	13.9	11.3	16.9

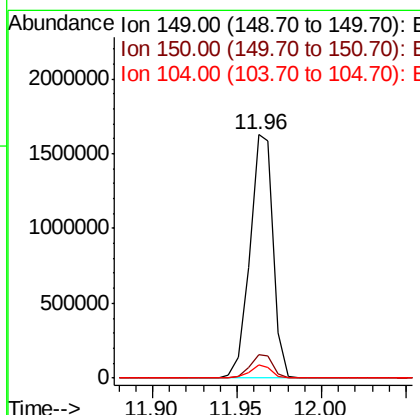
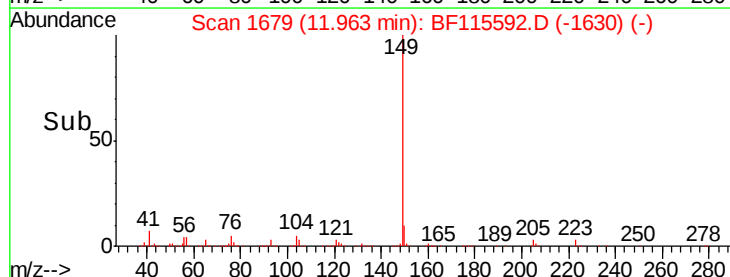
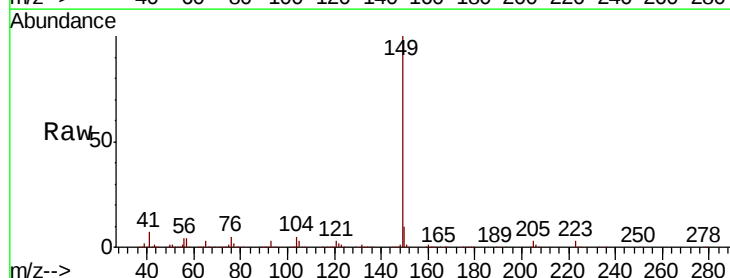
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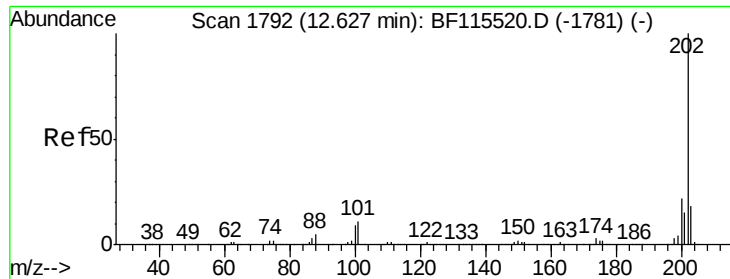
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#74
 Di-n-butylphthalate
 Concen: 37.816 ng
 RT: 11.96 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.2	3.8	5.8





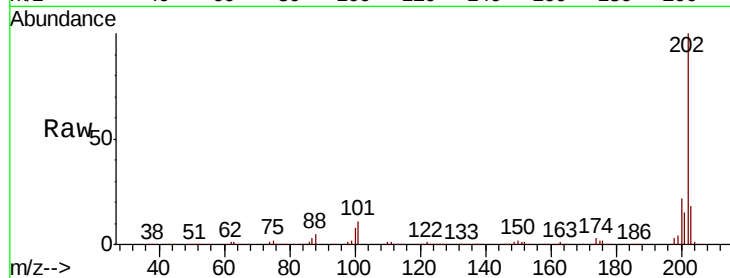
#75
 Fluoranthene
 Concen: 37.564 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB121412BS

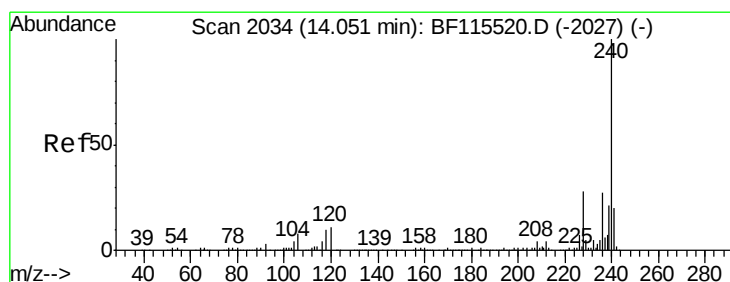
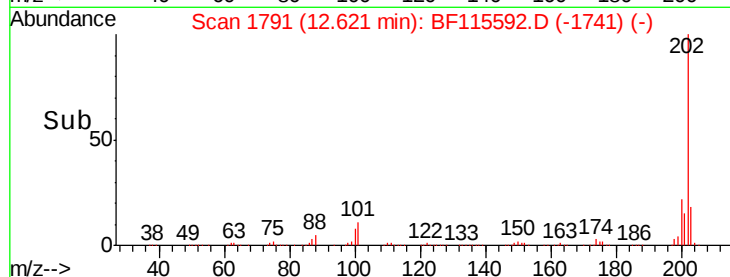
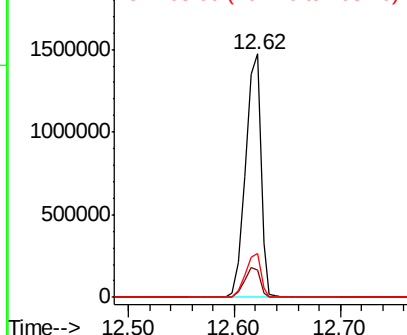
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.4
203	17.9	0.0	38.1

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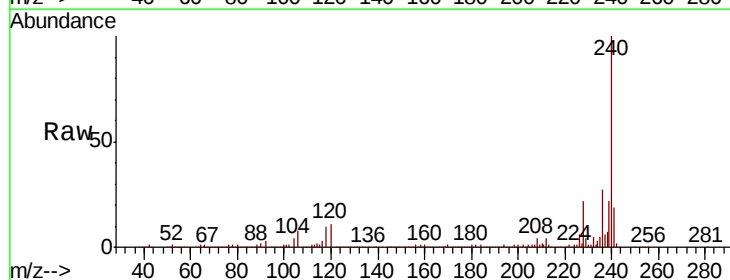


Abundance Ion 202.00 (201.70 to 202.70): E
 2000000
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

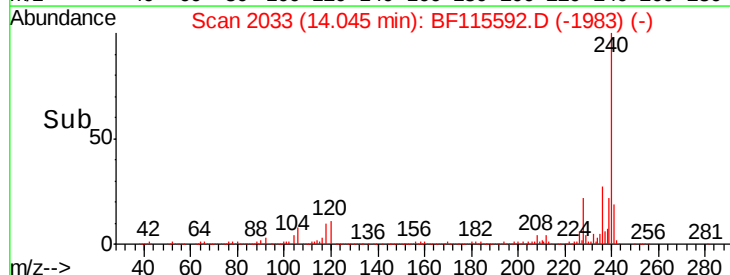
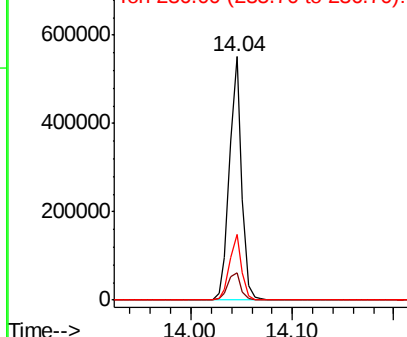


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.6	13.0
236	27.1	21.3	31.9



Abundance Ion 240.00 (239.70 to 240.70): E
 600000
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 18.113 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

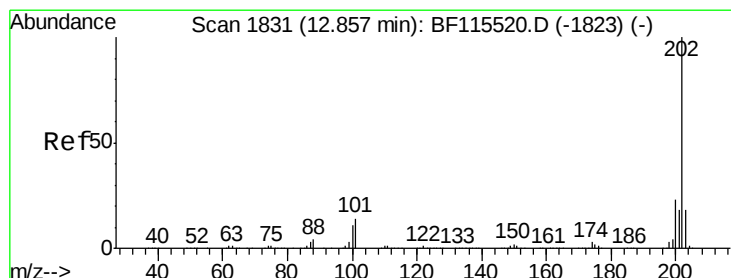
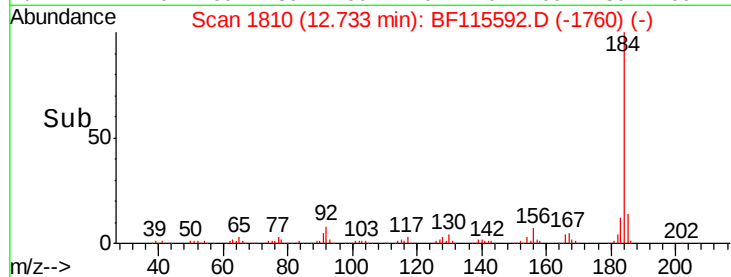
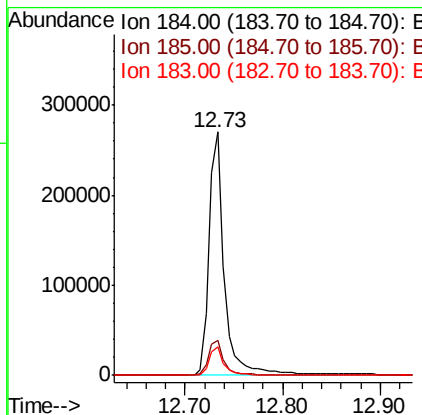
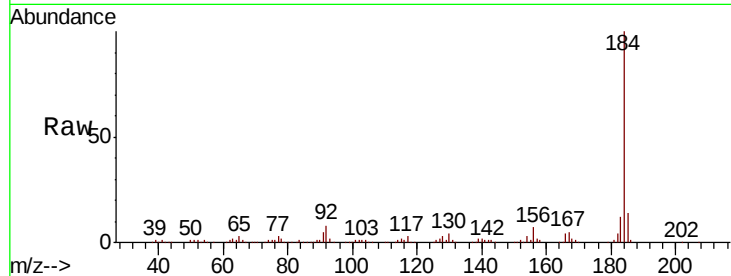
ClientSampleId :

PB121412BS

Tot Ion:	184	Resp:	295818
Ion Ratio	Lower	Upper	
184	100		
185	14.3	12.0	18.0
183	11.6	9.3	13.9

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#78

Pyrene

Concen: 37.161 ng

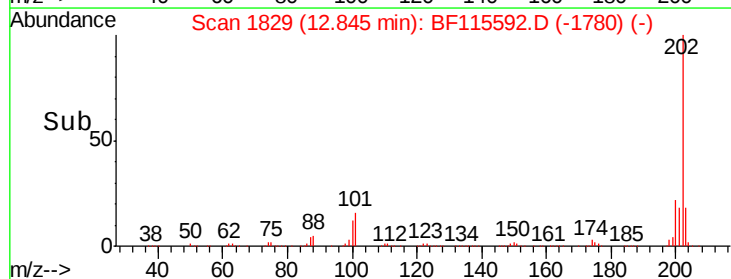
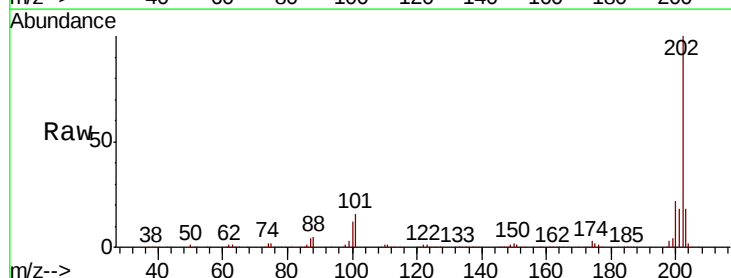
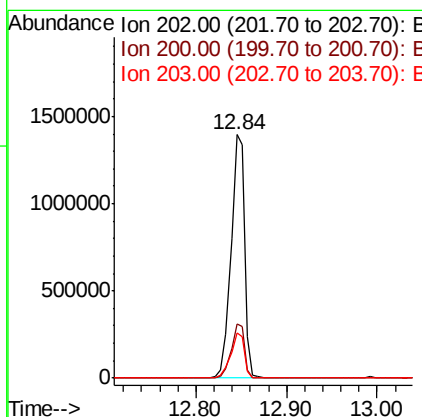
RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Tgt Ion:	202	Resp:	1451467
Ion Ratio	Lower	Upper	
202	100		
200	22.3	18.7	28.1
203	18.5	15.2	22.8





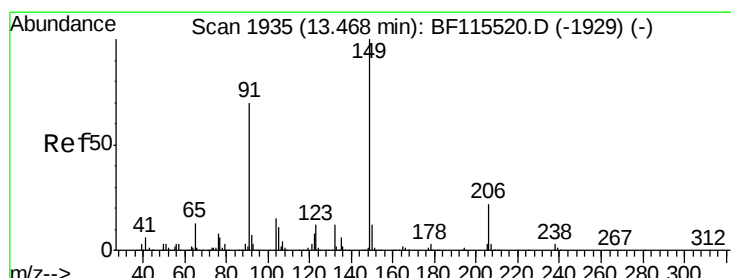
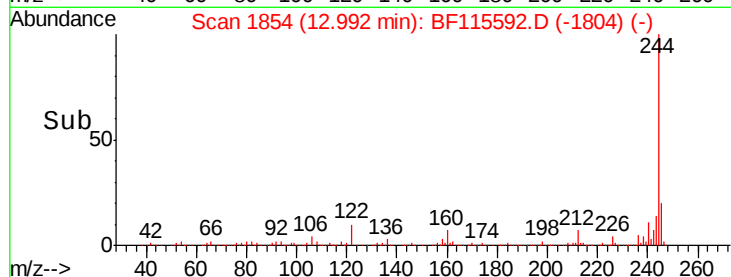
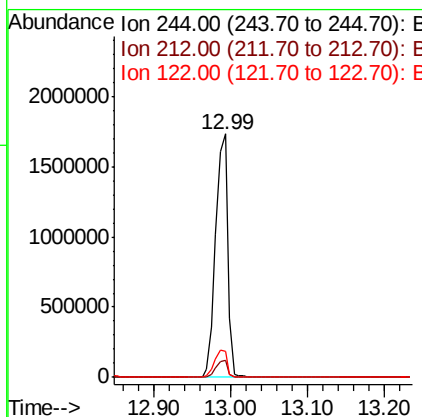
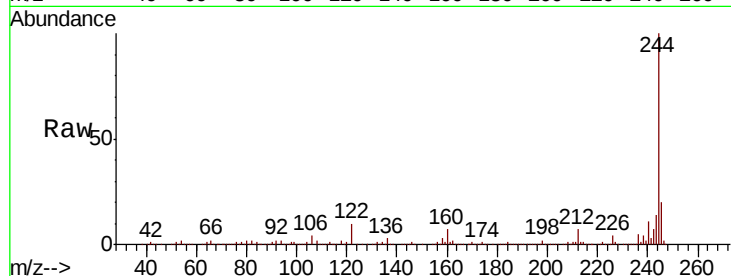
#79
 Terphenyl-d14
 Concen: 74.725 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB121412BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	10.5	8.6	12.8

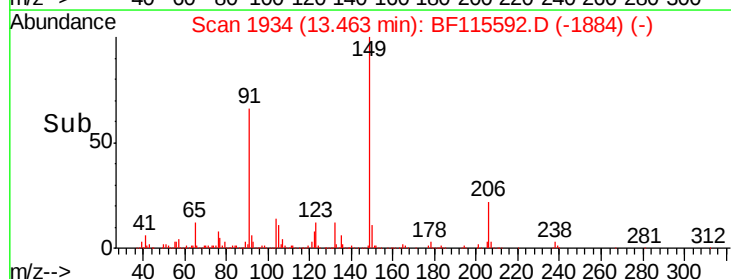
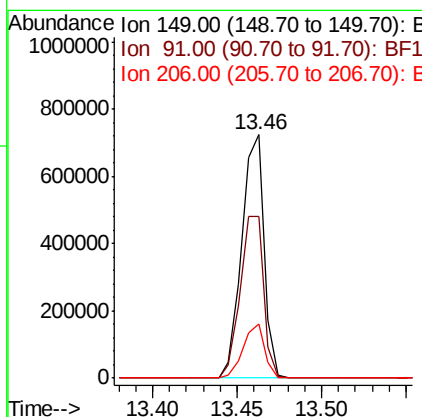
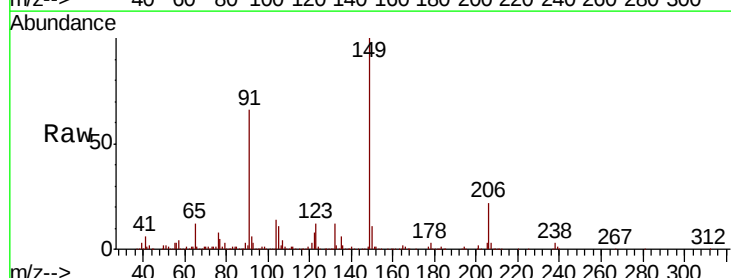
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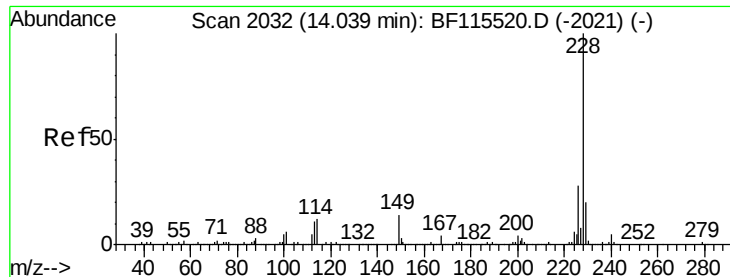
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#80
 Butylbenzylphthalate
 Concen: 40.312 ng
 RT: 13.46 min Scan# 1934
 Delta R.T. -0.01 min
 Lab File: BF115592.D
 Acq: 16 Jul 2019 12:40

Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.2	55.8	83.8
206	22.5	18.2	27.2





#81

Benzo(a)anthracene

Concen: 37.426 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB121412BS

Tot Ion:228 Resp: 1136681

Ion Ratio Lower Upper

228 100

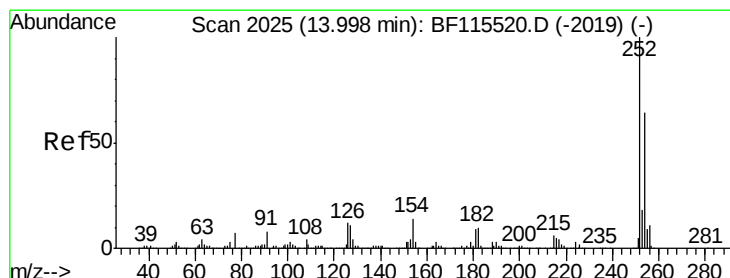
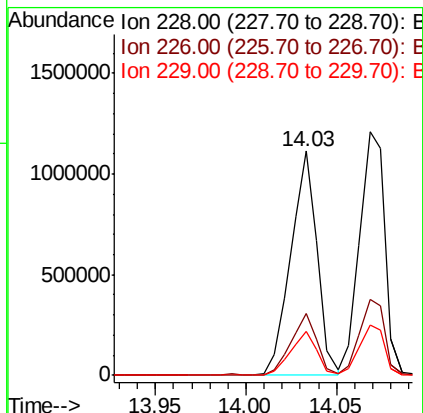
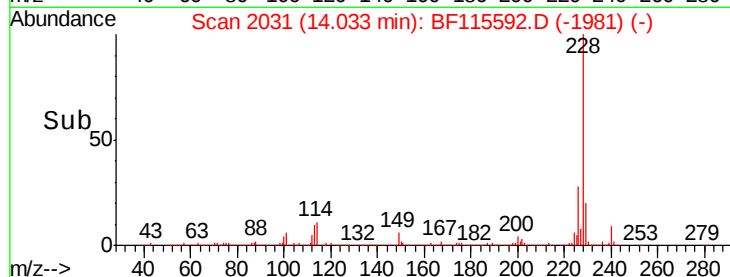
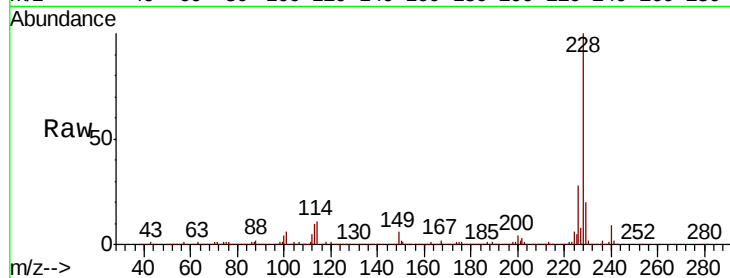
226 27.5 23.4 35.0

229 19.9 17.2 25.8

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#82

3,3'-Dichlorobenzidine

Concen: 31.691 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

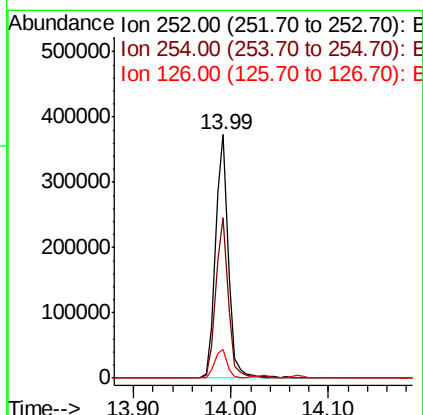
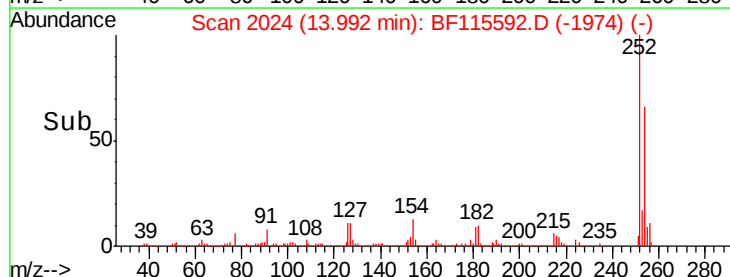
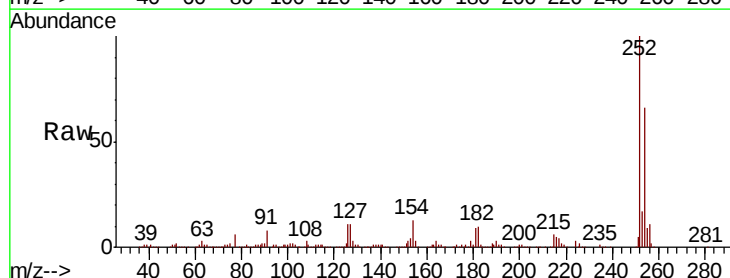
Tgt Ion:252 Resp: 342161

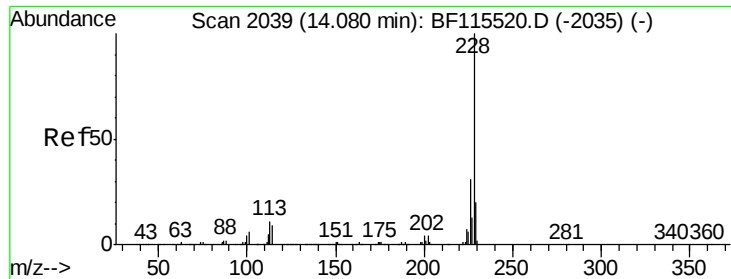
Ion Ratio Lower Upper

252 100

254 66.0 52.9 79.3

126 11.5 9.9 14.9





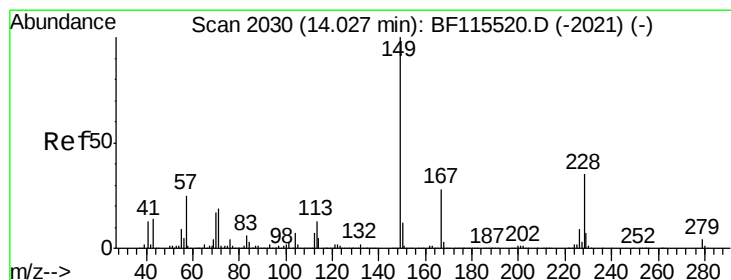
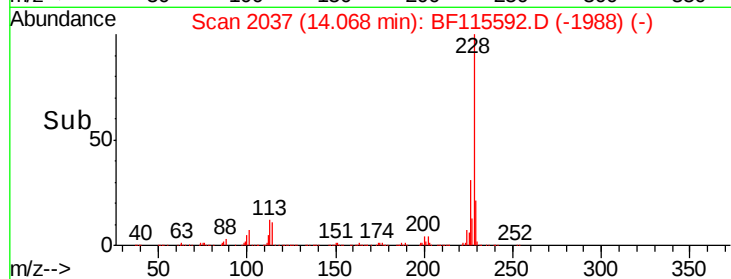
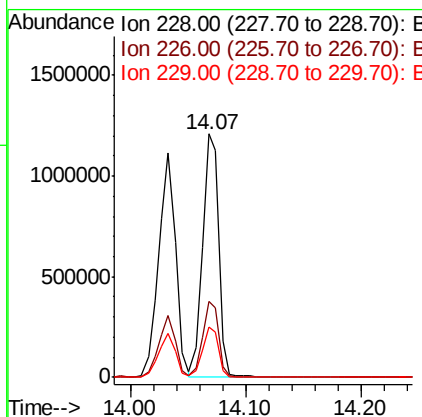
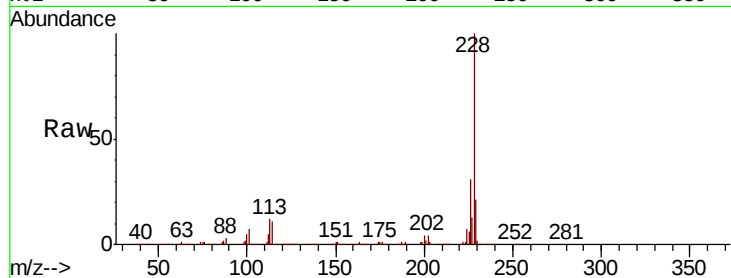
#83
Chrysene
Concen: 39.013 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion:228 Resp: 1189446
Ion Ratio Lower Upper
228 100
226 31.3 25.7 38.5
229 20.8 16.6 25.0

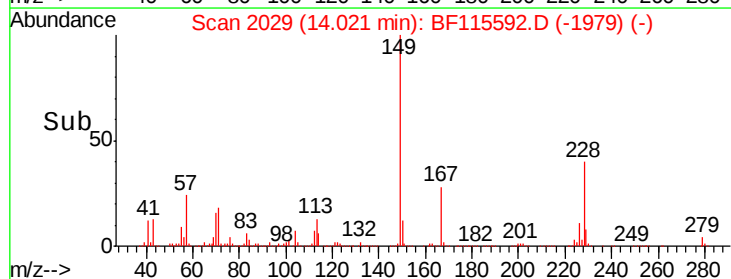
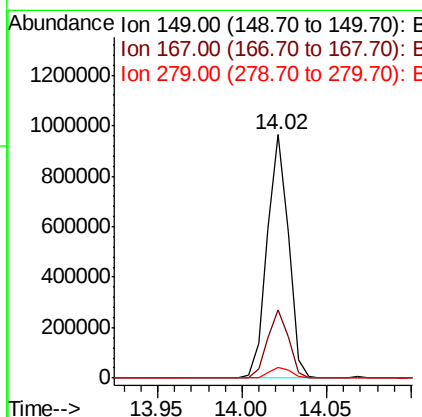
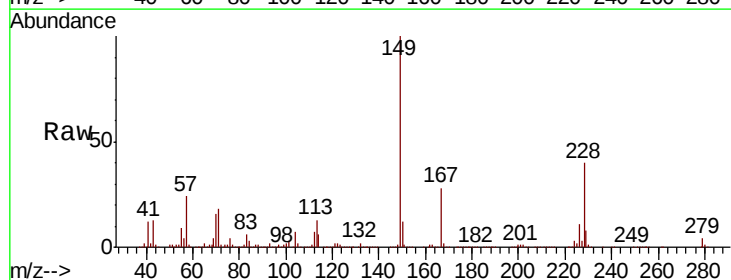
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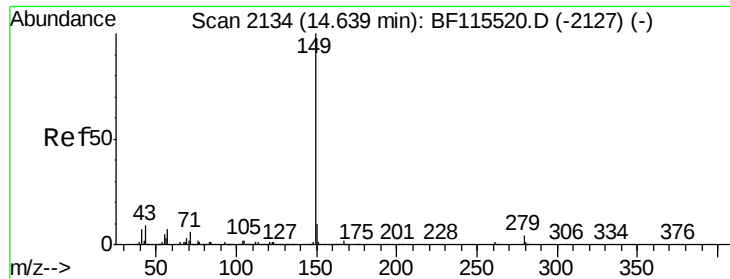
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#84
Bis(2-ethylhexyl)phthalate
Concen: 40.565 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion:149 Resp: 836636
Ion Ratio Lower Upper
149 100
167 28.1 23.0 34.4
279 4.3 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 40.944 ng

RT: 14.63 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

Instrument :

BNA_F

ClientSampleId :

PB121412BS

Tot Ion:149 Resp: 1343592

Ion Ratio Lower Upper

149 100

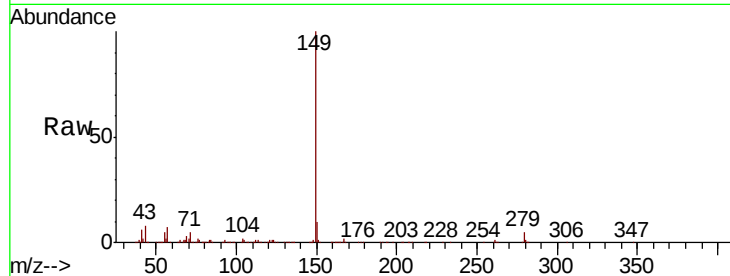
167 1.6 1.4 2.0

43 8.3 7.2 10.8

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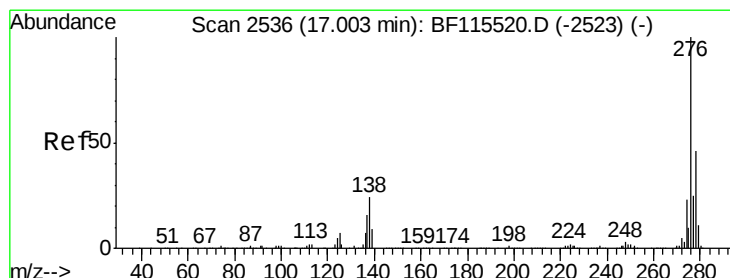
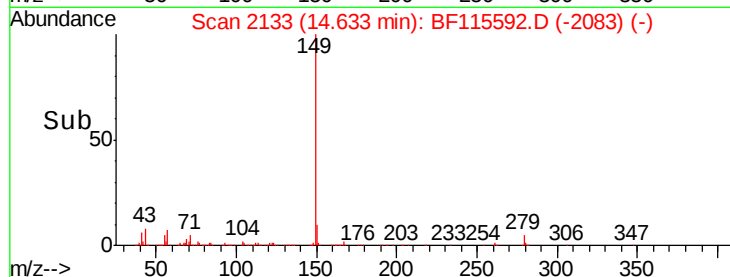
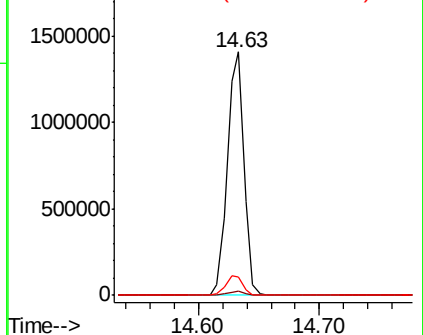
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 35.808 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.02 min

Lab File: BF115592.D

Acq: 16 Jul 2019 12:40

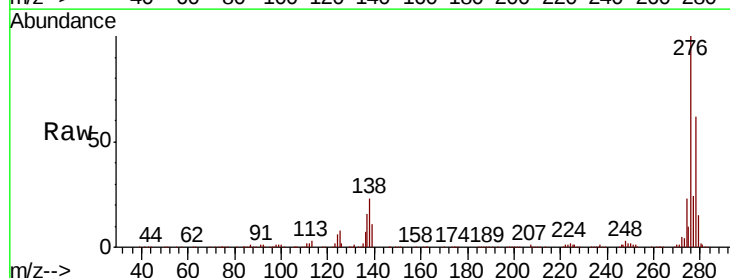
Tgt Ion:276 Resp: 927517

Ion Ratio Lower Upper

276 100

138 25.4 20.2 30.2

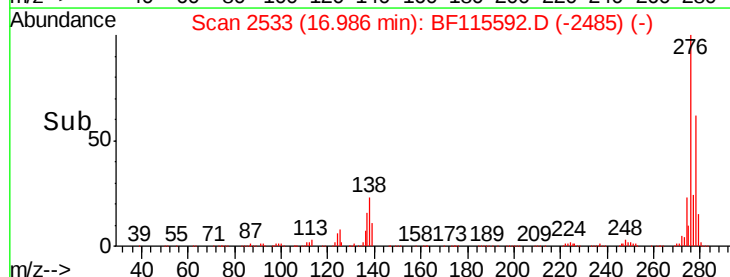
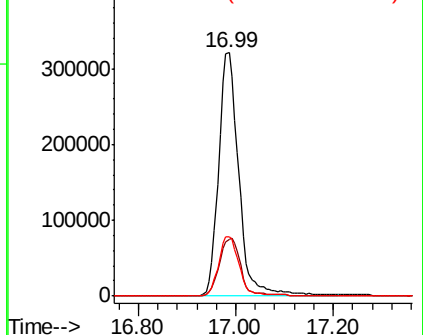
277 25.1 20.4 30.6

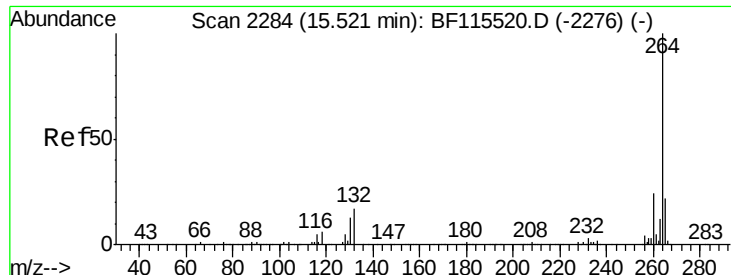


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





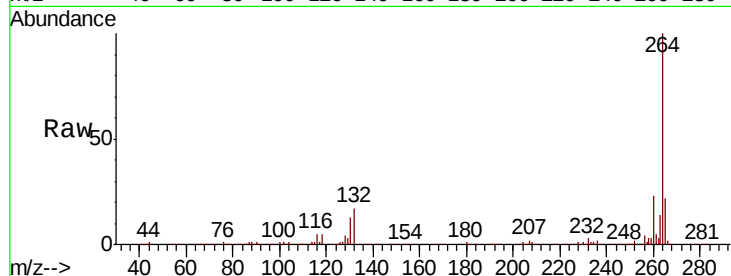
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.8	29.8
265	21.8	17.7	26.5

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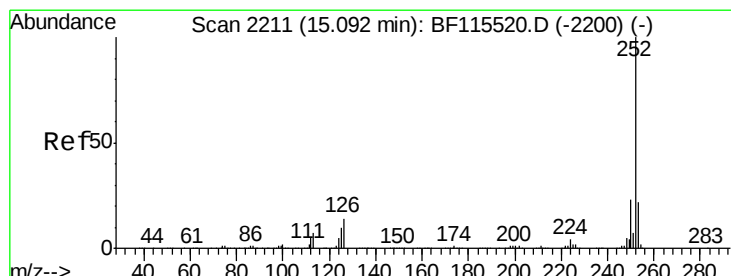
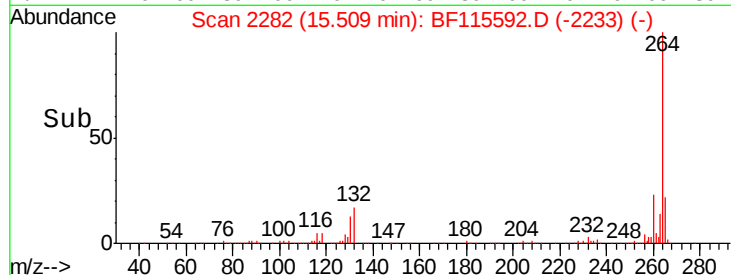
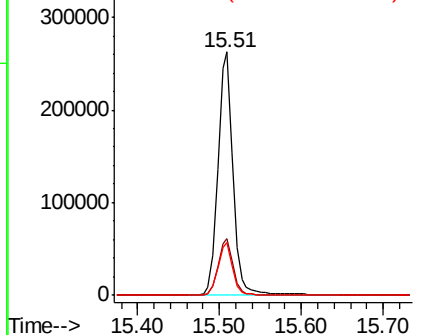


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 49.049 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

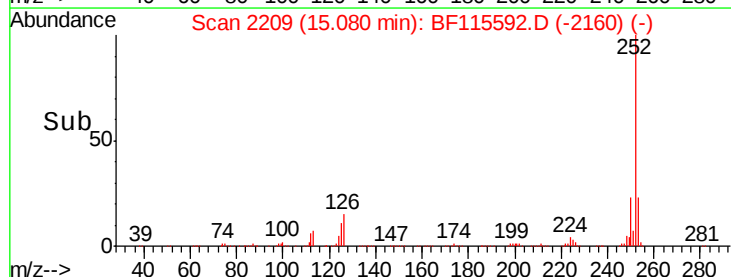
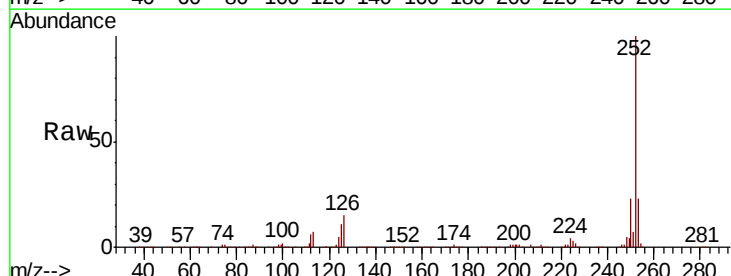
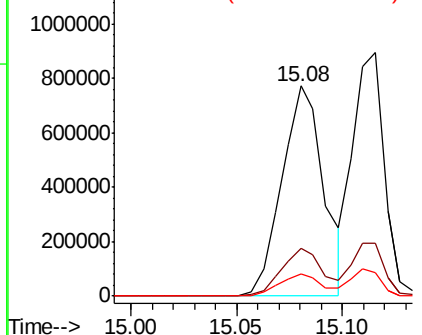
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	10.8	9.0	13.4

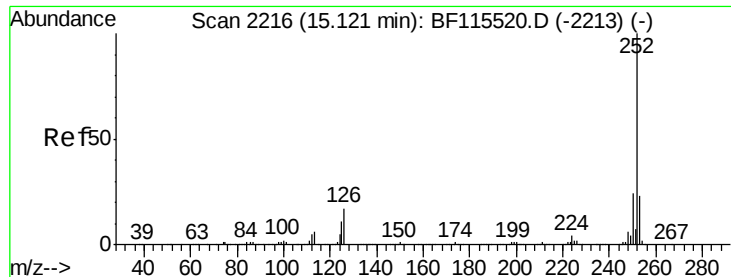
Abundance

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





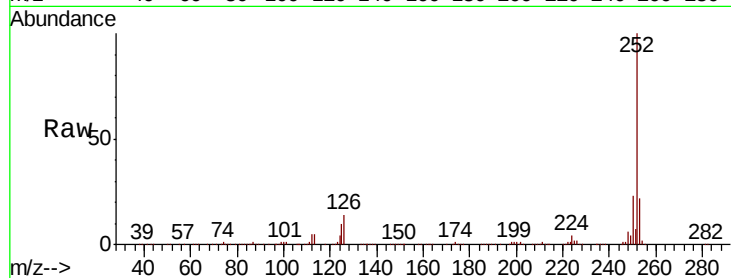
#89
Benzo(k)fluoranthene
Concen: 49.217 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.6	28.0
125	9.7	9.0	13.6

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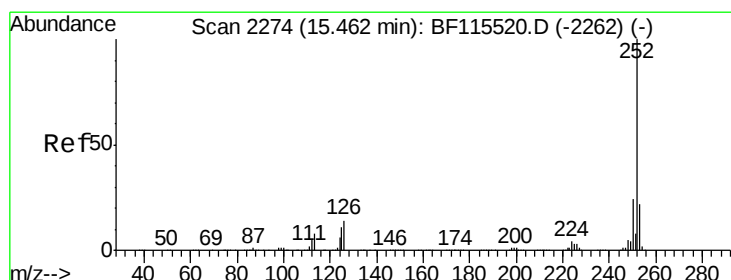
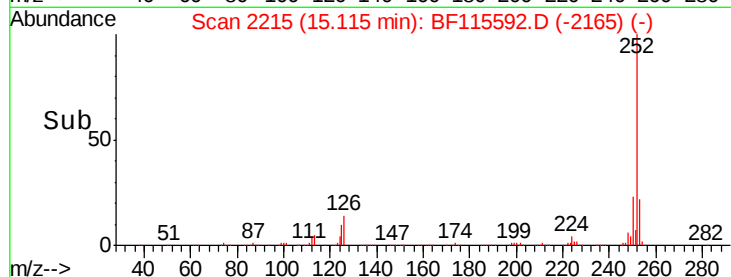
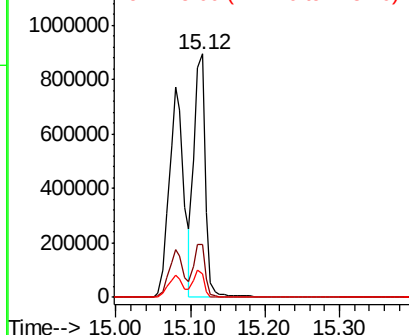


Abundance

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: 49.267 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

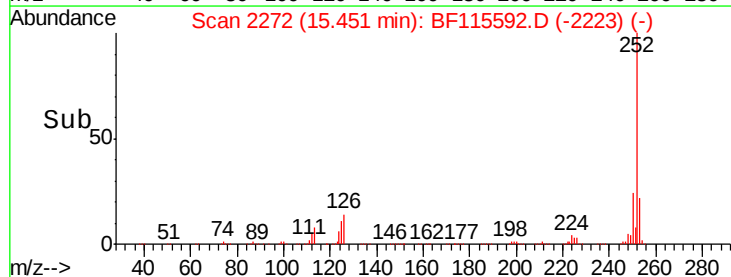
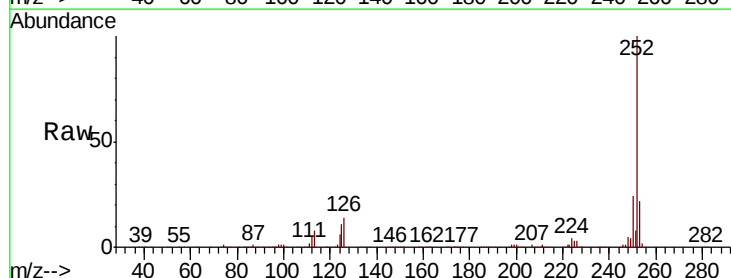
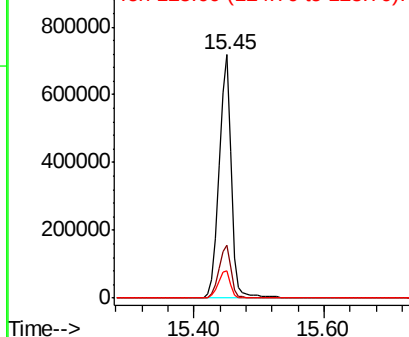
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	11.0	9.1	13.7

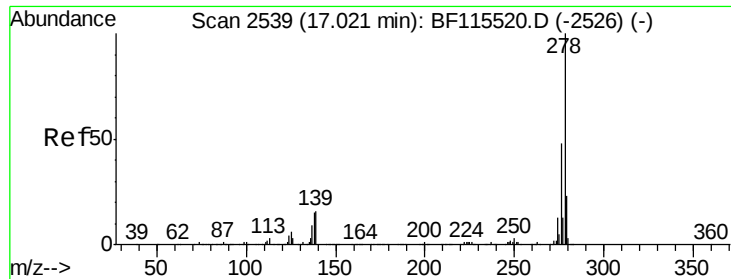
Abundance

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





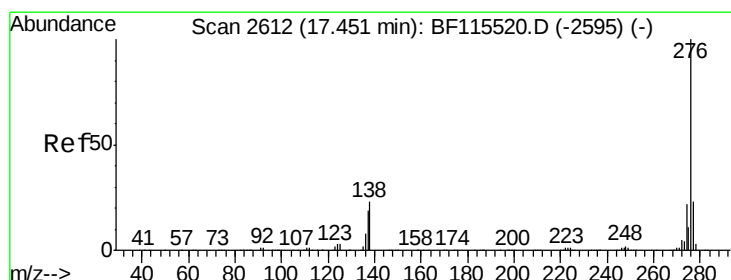
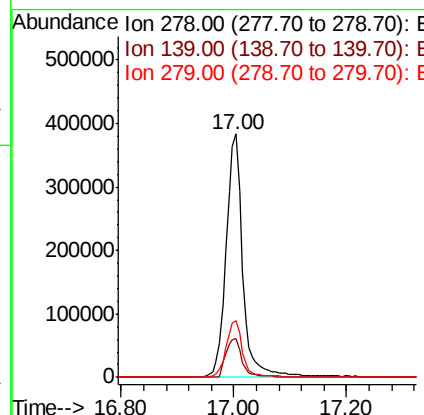
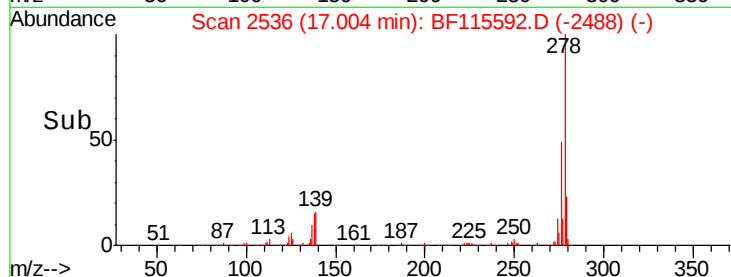
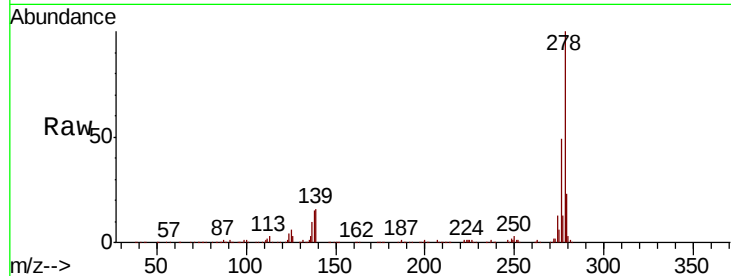
#91
Dibenzo(a,h)anthracene
Concen: 48.003 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.02 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Instrument :
BNA_F
ClientSampleId :
PB121412BS

Tot Ion:278	Resp:	789916
Ion Ratio	Lower	Upper
278 100		
139 16.1	13.1	19.7
279 23.2	19.6	29.4

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#92
Benzo(g,h,i)perylene
Concen: 46.515 ng
RT: 17.43 min Scan# 2608
Delta R.T. -0.02 min
Lab File: BF115592.D
Acq: 16 Jul 2019 12:40

Tgt Ion:276	Resp:	763379
Ion Ratio	Lower	Upper
276 100		
277 24.8	19.0	28.4
138 22.6	17.2	25.8

