

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117216.D
 Acq On : 24 Sep 2019 15:28
 Operator : JU
 Sample : PB123227BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 15:56:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	31621	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	135434	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	71100	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	119607	20.00	ng	0.00
76) Chrysene-d12	13.98	240	81383	20.00	ng	0.00
87) Perylene-d12	15.43	264	66805	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	234037	115.55	ng	0.01
7) Phenol-d6	6.46	99	307168	117.35	ng	0.00
23) Nitrobenzene-d5	7.38	82	179570	69.67	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	74543	125.44	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	341087	75.01	ng	0.00
79) Terphenyl-d14	12.92	244	340314	78.16	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	33244	39.226	ng	97
3) Pyridine	3.40	79	80999	34.917	ng	93
4) n-Nitrosodimethylamine	3.35	42	37727	47.391	ng	77
6) Aniline	6.47	93	109357	32.450	ng	# 14
8) 2-Chlorophenol	6.60	128	100645	46.062	ng	100
9) Benzaldehyde	6.36	77	54471	42.158	ng	98
10) Phenol	6.47	94	128575	44.558	ng	80
11) bis(2-Chloroethyl)ether	6.55	93	92112	43.433	ng	99
12) 1,3-Dichlorobenzene	6.76	146	101564	41.424	ng	99
13) 1,4-Dichlorobenzene	6.83	146	104661	41.829	ng	100
14) 1,2-Dichlorobenzene	6.99	146	98941	42.471	ng	99
15) Benzyl Alcohol	6.96	79	92785	46.225	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	82896	39.563	ng	68
17) 2-Methylphenol	7.07	107	82514	45.060	ng	# 90
18) Hexachloroethane	7.32	117	40275	41.841	ng	95
19) n-Nitroso-di-n-propylamine	7.23	70	73171	45.908	ng	# 91
20) 3+4-Methylphenols	7.23	107	107489	47.124	ng	# 87
22) Acetophenone	7.22	105	150604	43.768	ng	# 99
24) Nitrobenzene	7.40	77	112761	44.298	ng	98
25) Isophorone	7.63	82	203744	44.643	ng	99
26) 2-Nitrophenol	7.72	139	50022	45.750	ng	97
27) 2,4-Dimethylphenol	7.76	122	86671	49.987	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	116363	41.383	ng	99
29) 2,4-Dichlorophenol	7.96	162	80990	44.579	ng	98
30) 1,2,4-Trichlorobenzene	8.04	180	80075	40.796	ng	98
31) Naphthalene	8.12	128	287520	44.142	ng	99
32) Benzoic acid	7.90	122	44329	35.802	ng	96
33) 4-Chloroaniline	8.17	127	71781	24.847	ng	98
34) Hexachlorobutadiene	8.23	225	47565	42.713	ng	98
35) Caprolactam	8.54	113	15190	24.702	ng	90
36) 4-Chloro-3-methylphenol	8.66	107	98254	46.381	ng	98
37) 2-Methylnaphthalene	8.81	142	198062	45.156	ng	97
38) 1-Methylnaphthalene	8.91	142	181147	44.096	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	78295	42.645	ng	98

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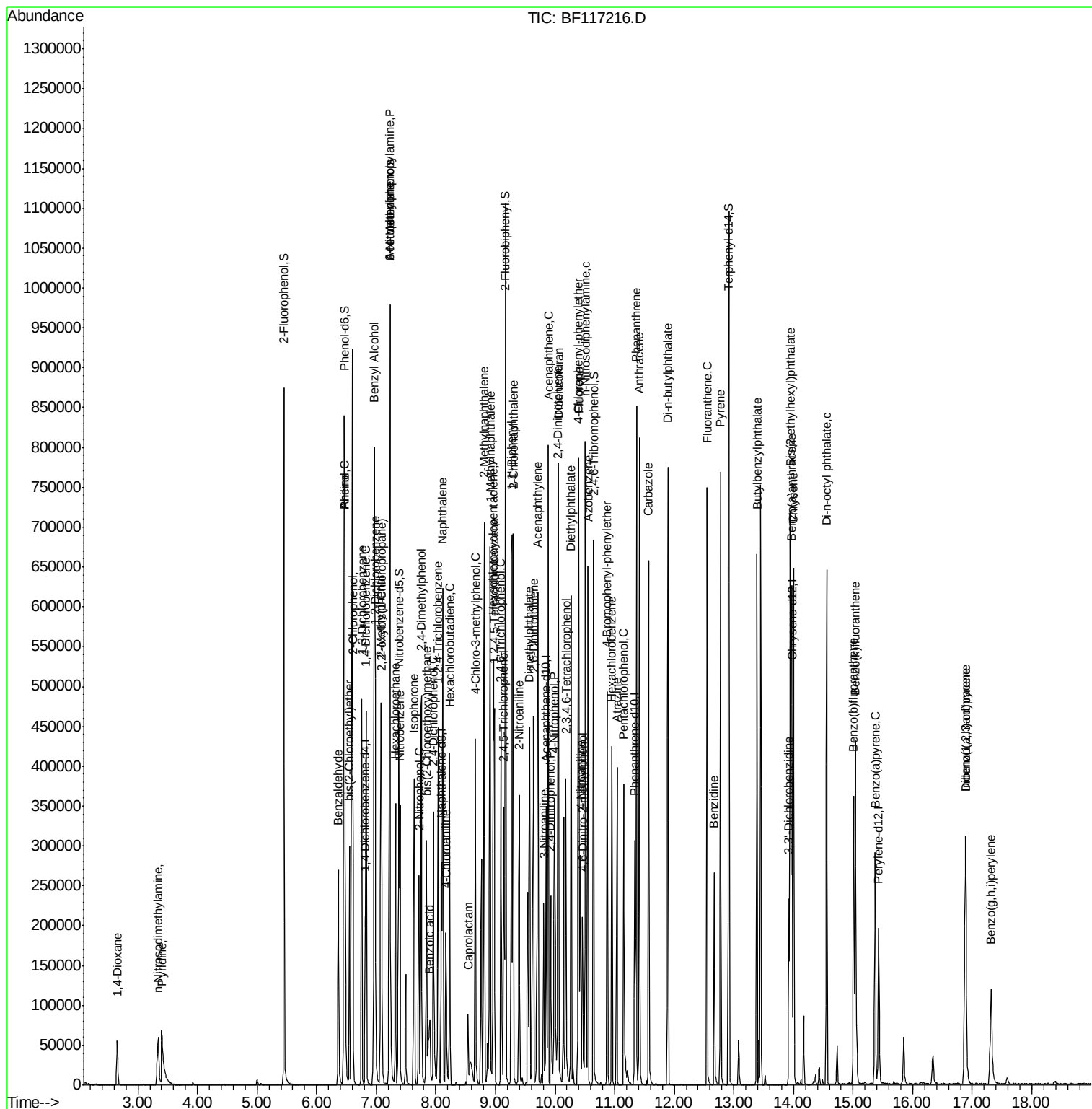
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	65381	80.508	ng	96
43) 2,4,6-Trichlorophenol	9.09	196	52199	41.895	ng	97
44) 2,4,5-Trichlorophenol	9.14	196	57378	43.103	ng	98
46) 1,1'-Biphenyl	9.27	154	238399	42.746	ng	97
47) 2-Chloronaphthalene	9.30	162	184419	41.899	ng	99
48) 2-Nitroaniline	9.40	65	60157	42.611	ng	95
49) Acenaphthylene	9.72	152	291497	44.208	ng	98
50) Dimethylphthalate	9.57	163	218200	43.343	ng	98
51) 2,6-Dinitrotoluene	9.64	165	47196	46.031	ng	91
52) Acenaphthene	9.89	154	168717	43.165	ng	99
53) 3-Nitroaniline	9.81	138	35542	27.475	ng	96
54) 2,4-Dinitrophenol	9.93	184	33048	75.261	ng	96
55) Dibenzofuran	10.06	168	262084	45.446	ng	98
56) 4-Nitrophenol	9.99	139	57211	68.237	ng	91
57) 2,4-Dinitrotoluene	10.05	165	64100	48.162	ng	# 87
58) Fluorene	10.40	166	213340	45.924	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.18	232	42877	42.090	ng	94
60) Diethylphthalate	10.27	149	225108	45.451	ng	99
61) 4-Chlorophenyl-phenylether	10.39	204	94063	46.799	ng	93
62) 4-Nitroaniline	10.43	138	52224	38.819	ng	86
63) Azobenzene	10.55	77	231613	45.787	ng	95
65) 4,6-Dinitro-2-methylphenol	10.46	198	25882	47.565	ng	91
66) n-Nitrosodiphenylamine	10.51	169	187824	45.470	ng	97
67) 4-Bromophenyl-phenylether	10.88	248	54682	44.767	ng	91
68) Hexachlorobenzene	10.96	284	55601	41.617	ng	96
69) Atrazine	11.04	200	50197	50.456	ng	97
70) Pentachlorophenol	11.15	266	48241	77.032	ng	97
71) Phenanthrene	11.36	178	294764	43.388	ng	99
72) Anthracene	11.42	178	309740	44.658	ng	99
73) Carbazole	11.57	167	278018	42.230	ng	99
74) Di-n-butylphthalate	11.89	149	354235	45.224	ng	99
75) Fluoranthene	12.55	202	298214	42.721	ng	98
77) Benzidine	12.67	184	115406	44.022	ng	98
78) Pyrene	12.78	202	302232	44.259	ng	99
80) Butylbenzylphthalate	13.39	149	138527	42.932	ng	99
81) Benzo(a)anthracene	13.97	228	225928	41.551	ng	97
82) 3,3'-Dichlorobenzidine	13.93	252	51699	29.506	ng	96
83) Chrysene	14.00	228	218435	41.190	ng	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	185924	44.690	ng	98
85) Di-n-octyl phthalate	14.56	149	283878	43.353	ng	100
86) Indeno(1,2,3-cd)pyrene	16.89	276	155819	40.274	ng	98
88) Benzo(b)fluoranthene	15.01	252	164740	40.711	ng	97
89) Benzo(k)fluoranthene	15.04	252	178263	46.504	ng	99
90) Benzo(a)pyrene	15.37	252	155883	43.899	ng	99
91) Dibenzo(a,h)anthracene	16.89	278	132795	46.944	ng	95
92) Benzo(g,h,i)perylene	17.32	276	126150	44.751	ng	95

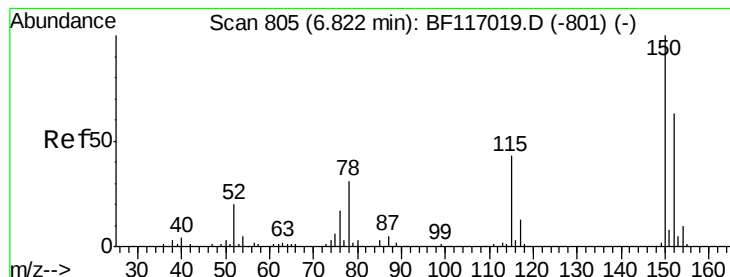
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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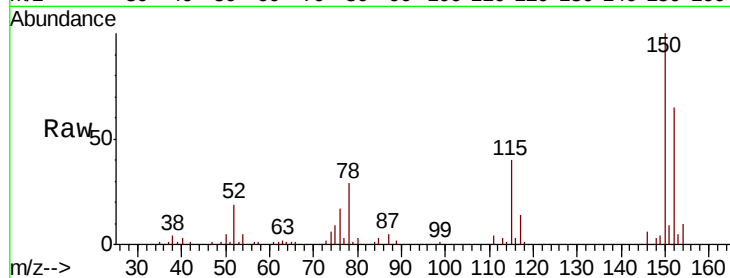


#1

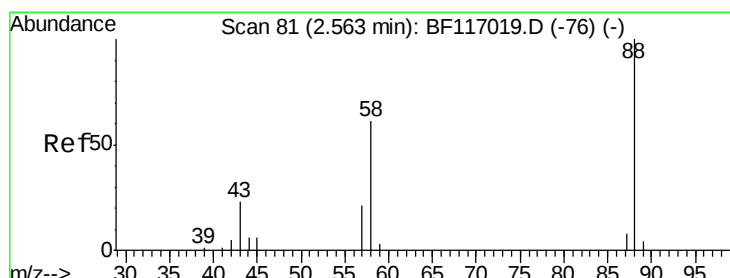
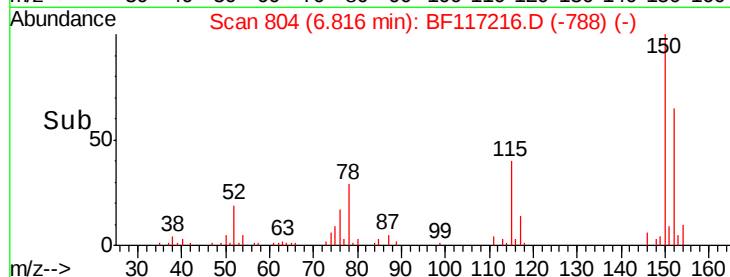
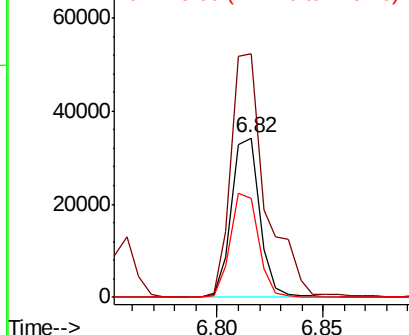
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 31621
Ion Ratio Lower Upper
152 100
150 153.0 127.5 191.3
115 61.8 55.0 82.4



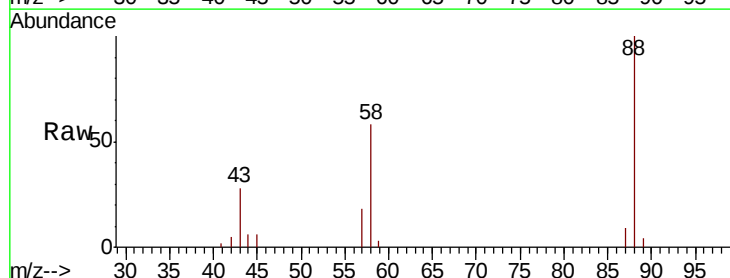
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



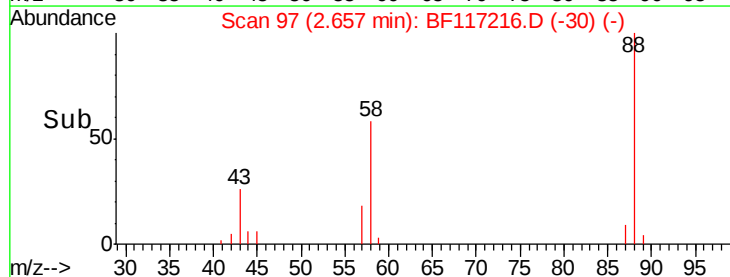
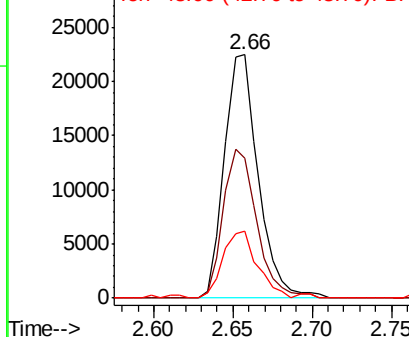
#2

1,4-Dioxane
Concen: 39.226 ng
RT: 2.66 min Scan# 97
Delta R.T. 0.09 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion: 88 Resp: 33244
Ion Ratio Lower Upper
88 100
58 61.0 49.3 73.9
43 28.1 18.8 28.2



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: 34.917 ng

RT: 3.40 min Scan# 223

Delta R.T. 0.09 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

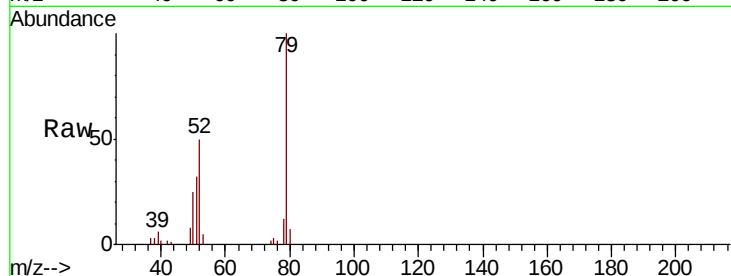
Tot Ion: 79 Resp: 80999

Ion Ratio Lower Upper

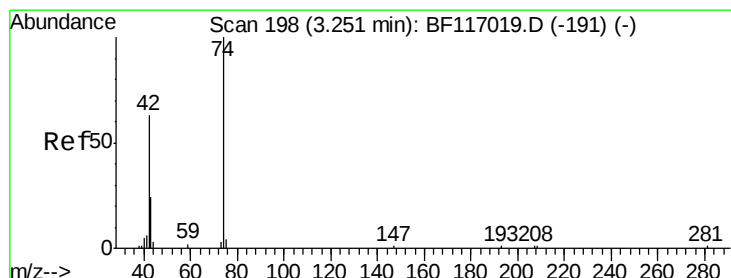
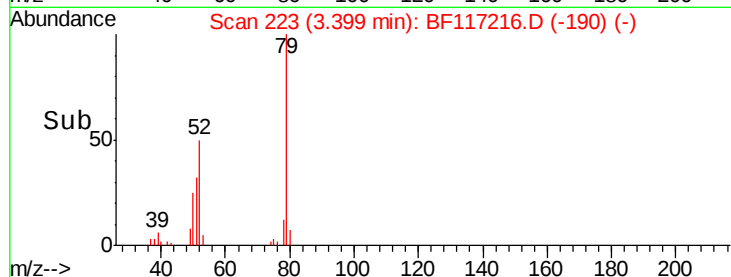
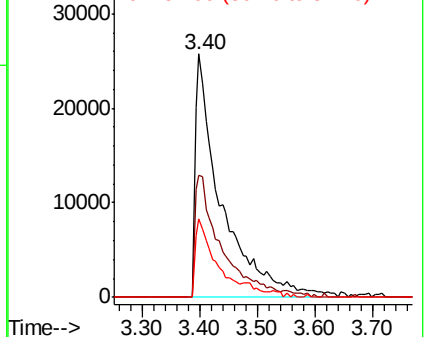
79 100

52 50.3 43.5 65.3

51 32.2 21.8 32.6



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



#4

n-Nitrosodimethylamine

Concen: 47.391 ng

RT: 3.35 min Scan# 214

Delta R.T. 0.09 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

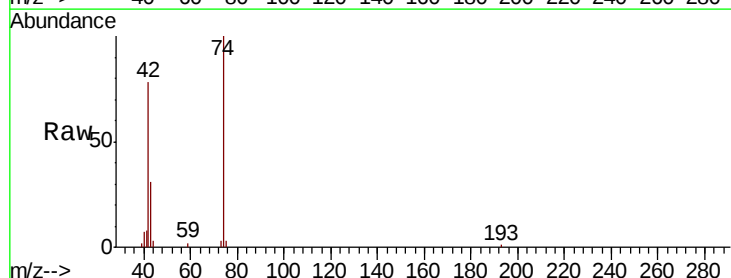
Tgt Ion: 42 Resp: 37727

Ion Ratio Lower Upper

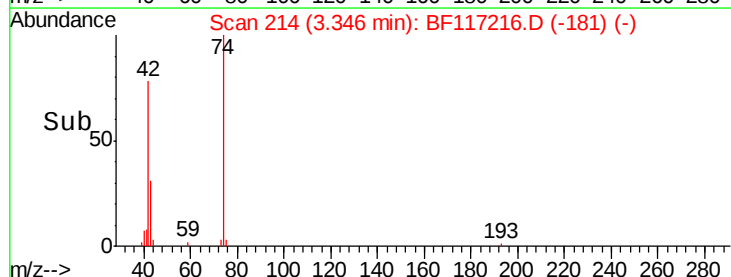
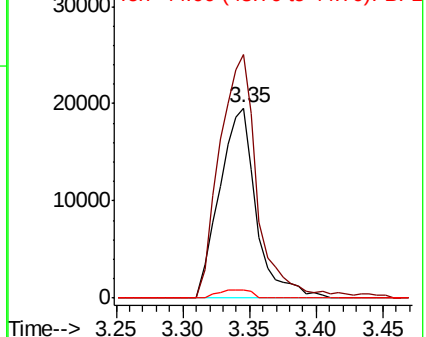
42 100

74 128.0 127.1 190.7

44 4.4 4.3 6.5



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





#5

2-Fluorophenol

Concen: 115.553 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

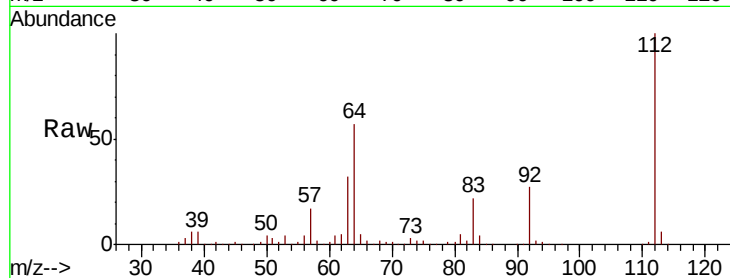
Tot Ion:112 Resp: 234037

Ion Ratio Lower Upper

112 100

64 56.7 45.7 68.5

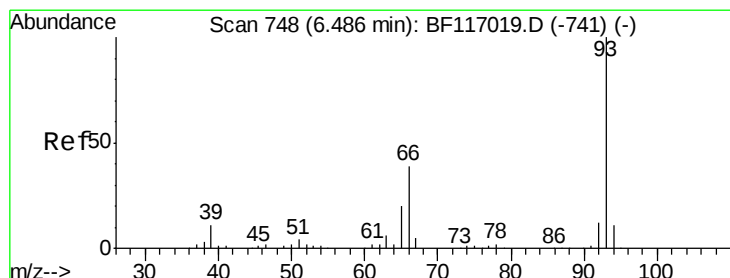
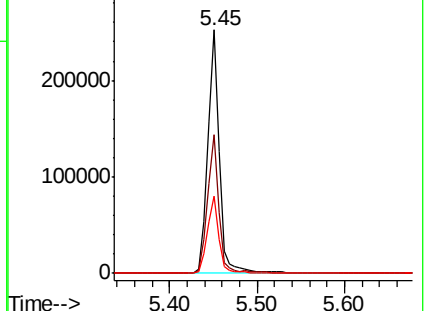
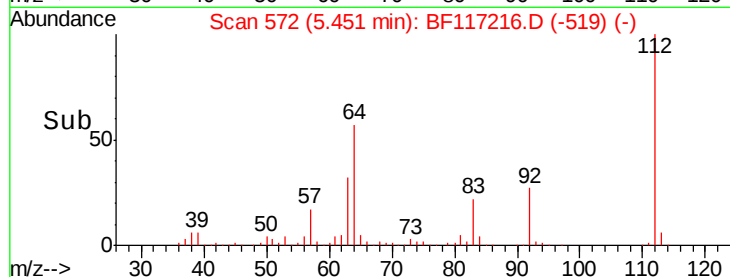
63 31.7 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 32.450 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

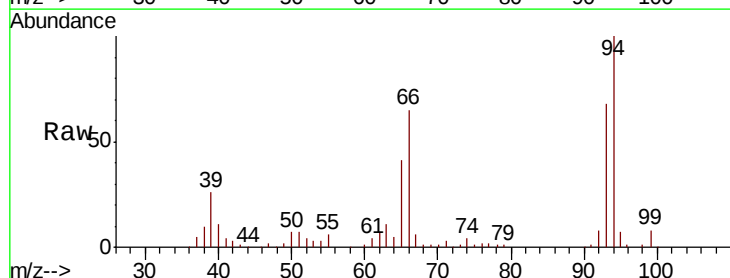
Tgt Ion: 93 Resp: 109357

Ion Ratio Lower Upper

93 100

66 95.2 32.6 49.0#

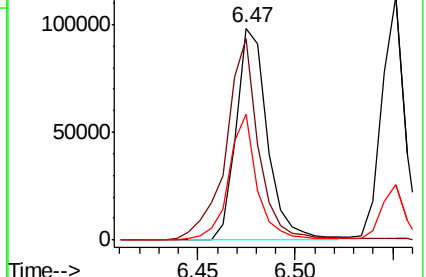
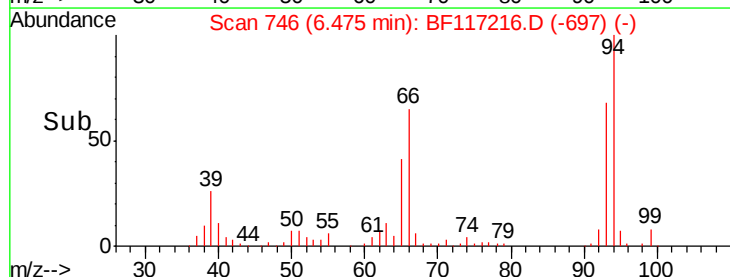
65 59.5 16.7 25.1#

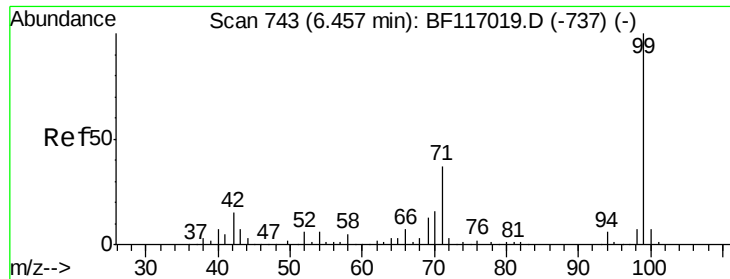


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 117.351 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

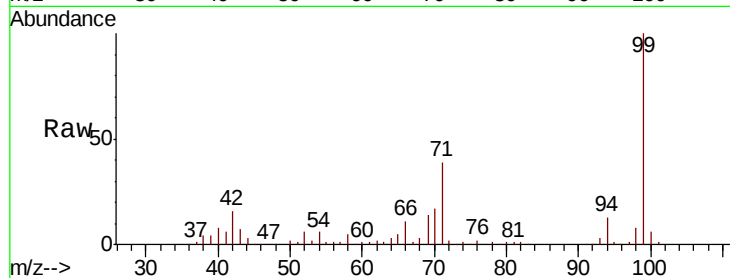
Tot Ion: 99 Resp: 307168

Ion Ratio Lower Upper

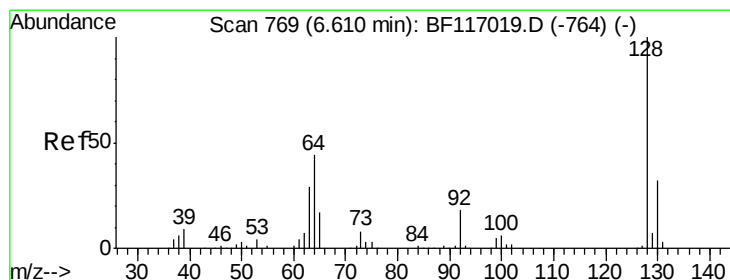
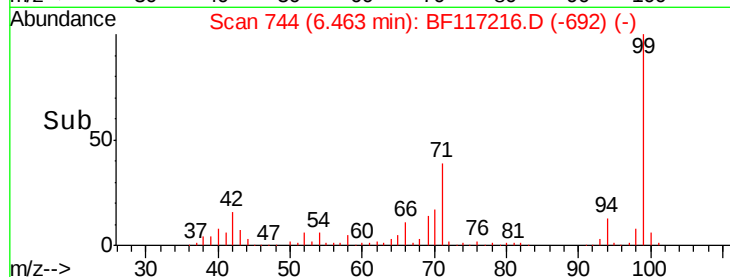
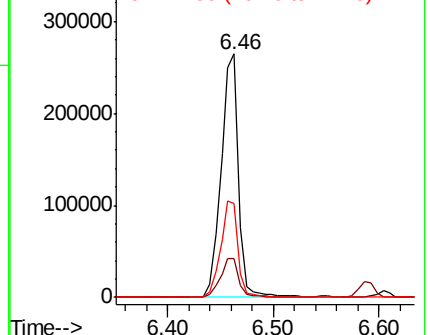
99 100

42 16.2 12.2 18.2

71 38.5 29.8 44.8



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



#8

2-Chlorophenol

Concen: 46.062 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

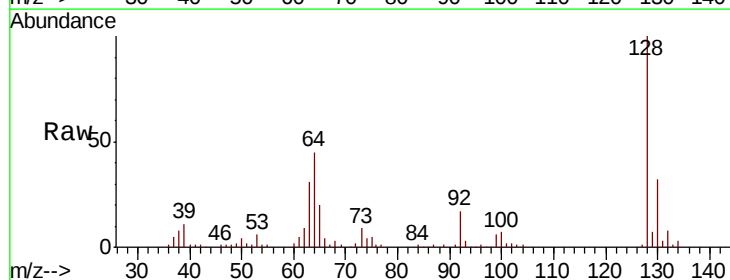
Tgt Ion: 128 Resp: 100645

Ion Ratio Lower Upper

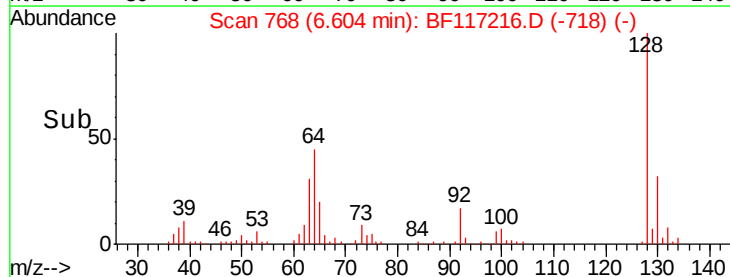
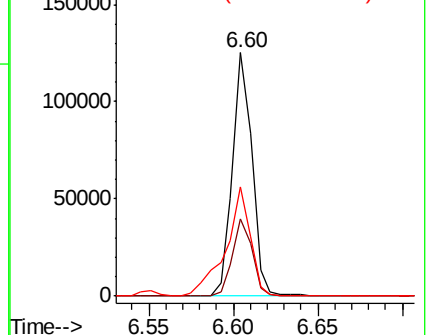
128 100

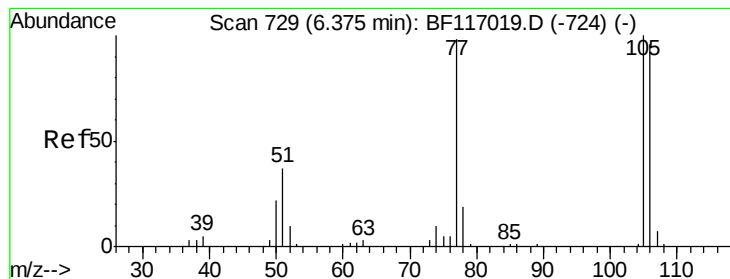
130 31.5 11.8 51.8

64 44.7 25.0 65.0



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





#9

Benzaldehyde

Concen: 42.158 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

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ClientSampleId :

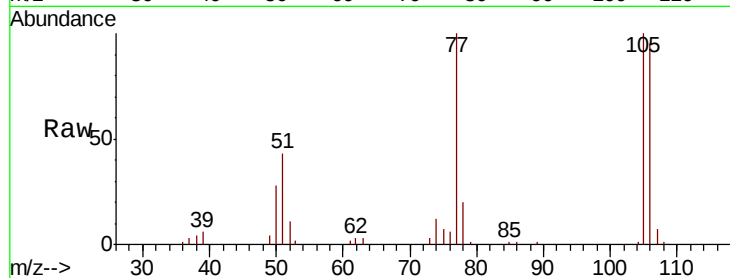
Tot Ion: 77 Resp: 54471

Ion Ratio Lower Upper

77 100

105 99.7 81.8 121.8

106 95.3 77.3 117.3

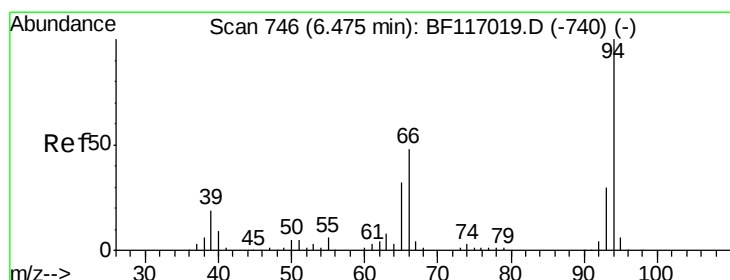
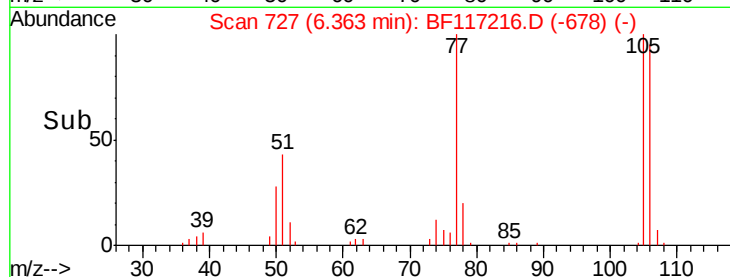
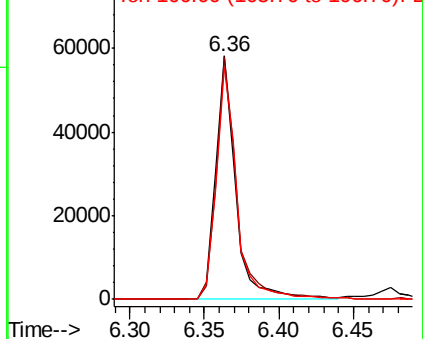


Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 44.558 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

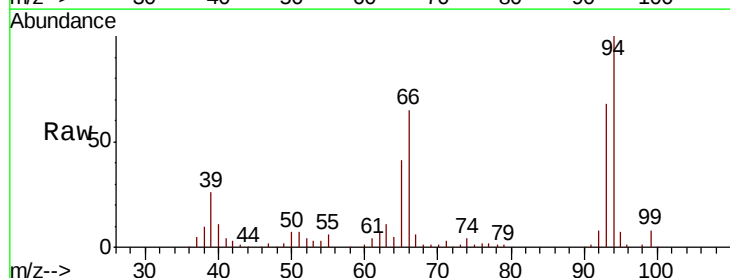
Tgt Ion: 94 Resp: 128575

Ion Ratio Lower Upper

94 100

65 40.7 12.5 52.5

66 65.1 28.9 68.9

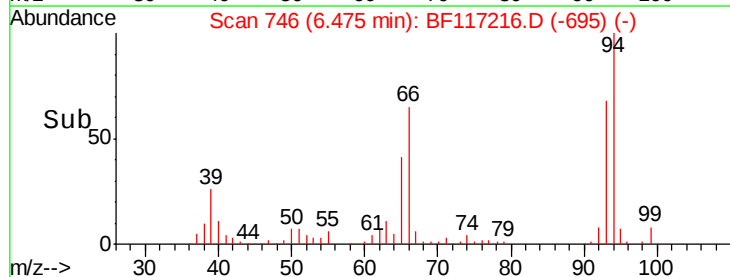
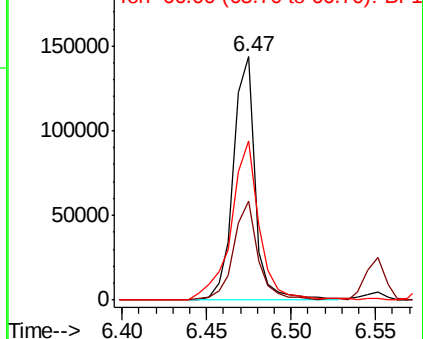


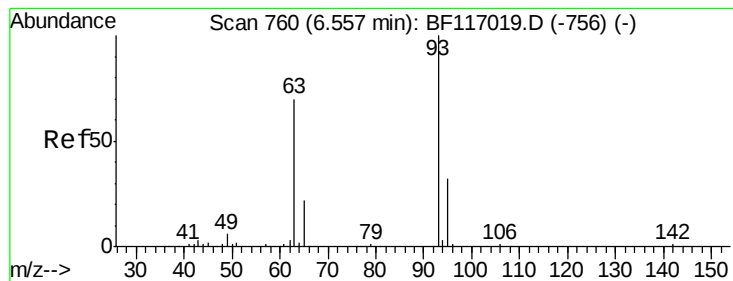
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

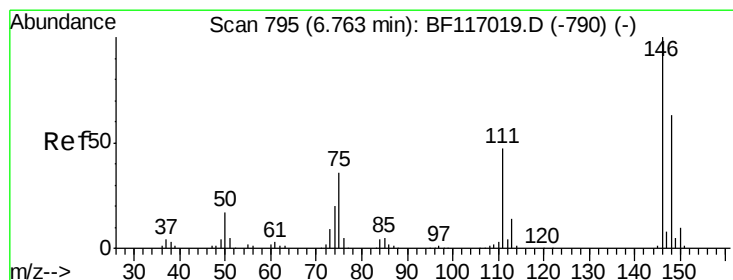
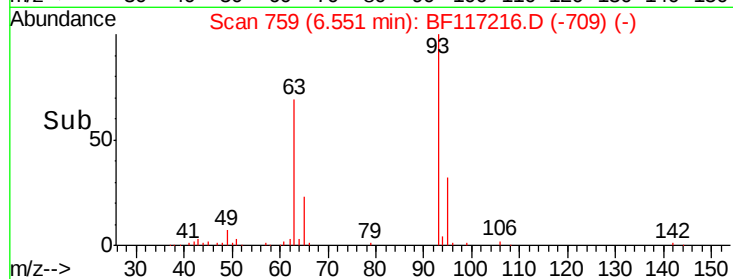
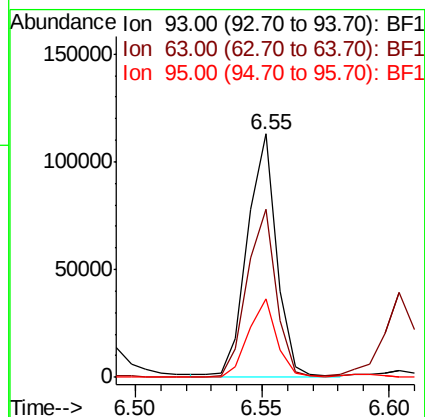
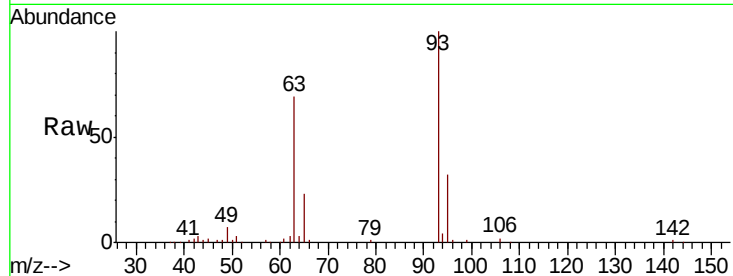




#11
 bis(2-Chloroethyl)ether
 Concen: 43.433 ng
 RT: 6.55 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

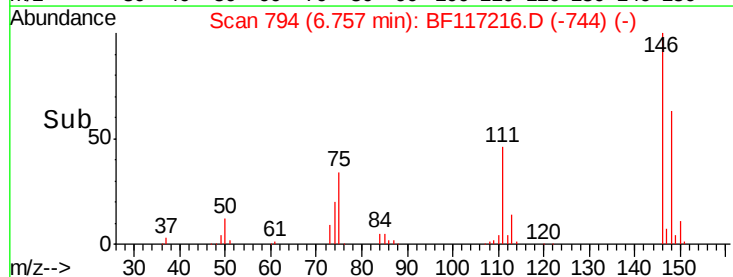
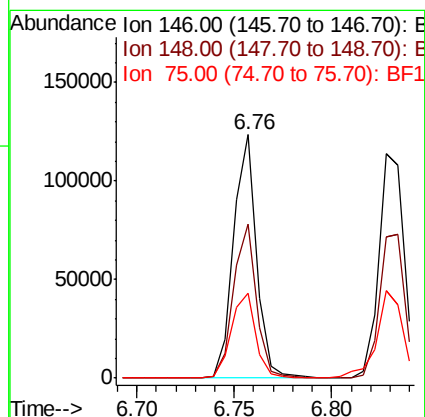
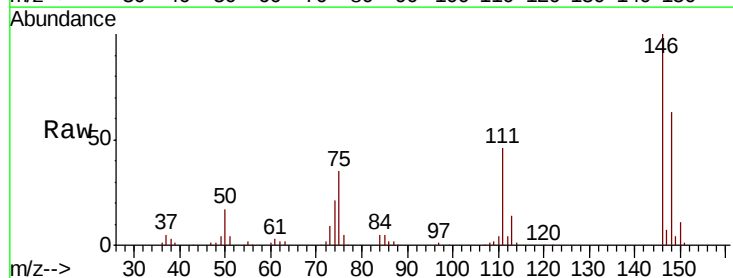
Instrument :
 BNA_F
 ClientSampled :

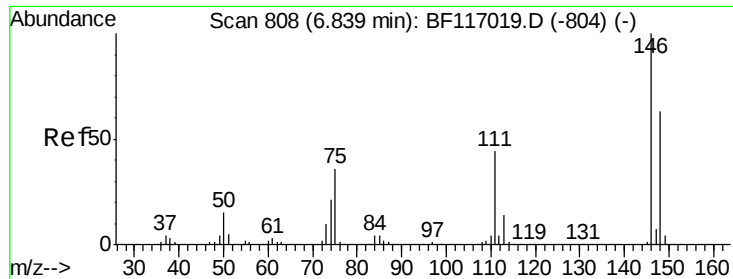
Tot Ion	93	Resp	92112
Ion Ratio	Lower	Upper	
93	100		
63	69.3	49.3	89.3
95	32.5	11.5	51.5



#12
 1,3-Dichlorobenzene
 Concen: 41.424 ng
 RT: 6.76 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Tgt Ion	146	Resp	101564
Ion Ratio	Lower	Upper	
146	100		
148	63.3	50.8	76.2
75	34.7	28.7	43.1

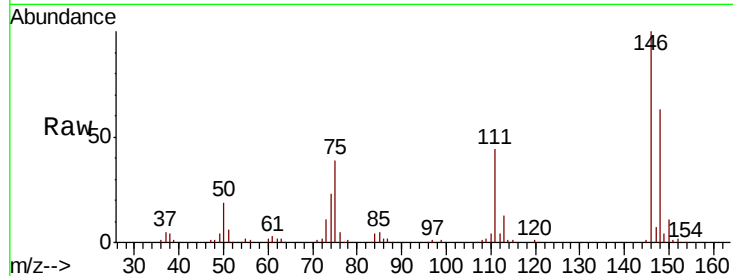




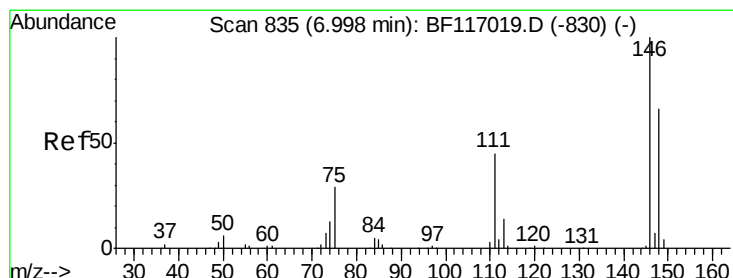
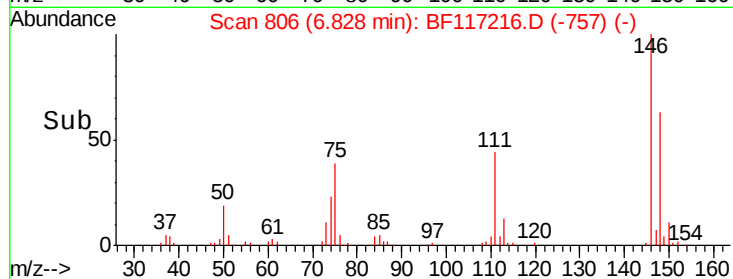
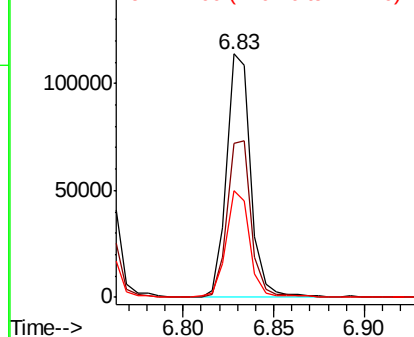
#13
 1,4-Dichlorobenzene
 Concen: 41.829 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:146 Resp: 104661
 Ion Ratio Lower Upper
 146 100
 148 63.2 50.6 76.0
 111 44.1 35.0 52.6

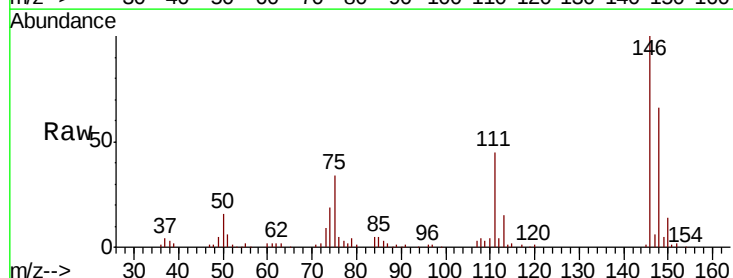


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

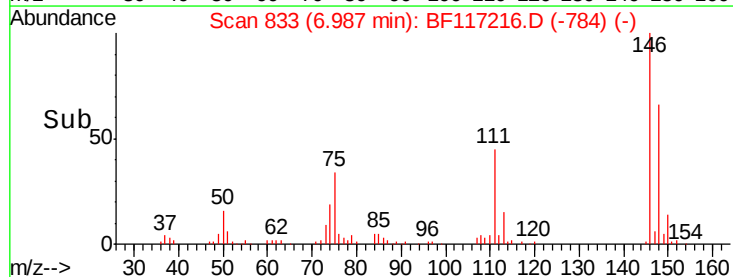
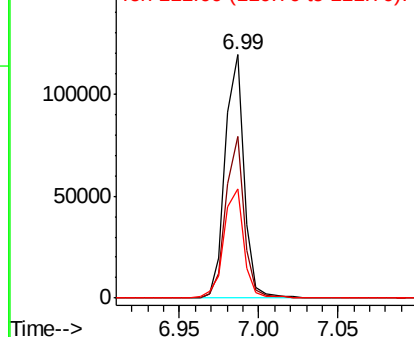


#14
 1,2-Dichlorobenzene
 Concen: 42.471 ng
 RT: 6.99 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Tgt Ion:146 Resp: 98941
 Ion Ratio Lower Upper
 146 100
 148 66.3 52.6 78.8
 111 44.7 36.2 54.2



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 46.225 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampled :

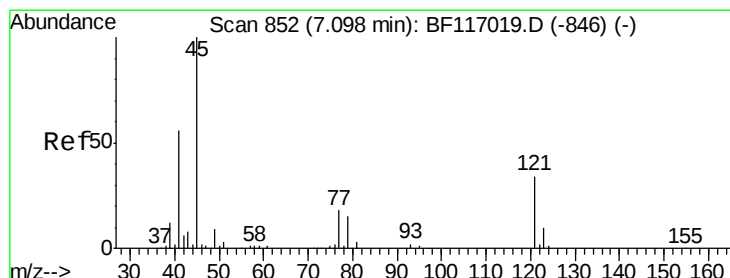
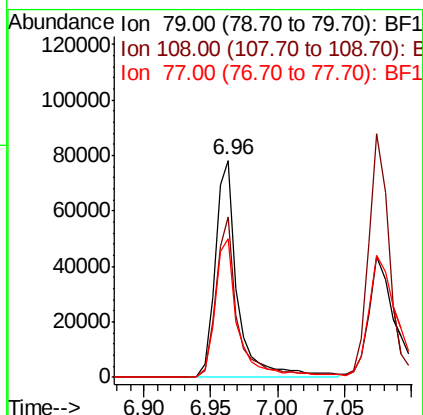
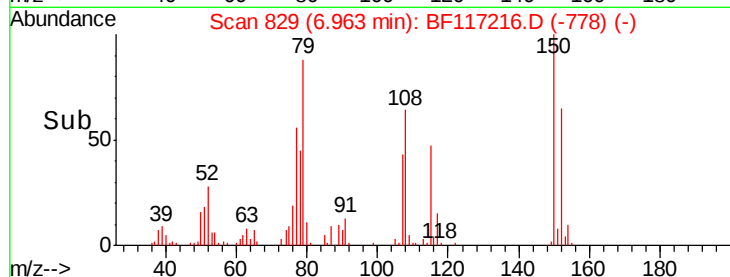
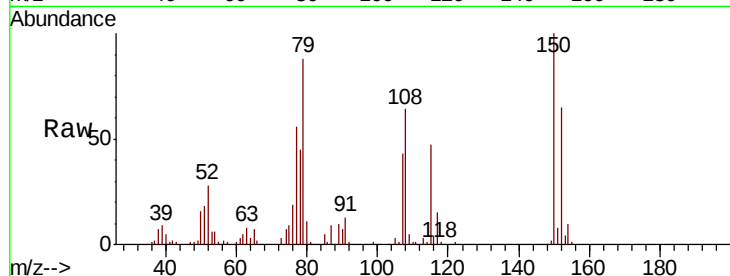
Tot Ion: 79 Resp: 92785

Ion Ratio Lower Upper

79 100

108 73.6 59.4 89.0

77 63.9 50.2 75.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.563 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

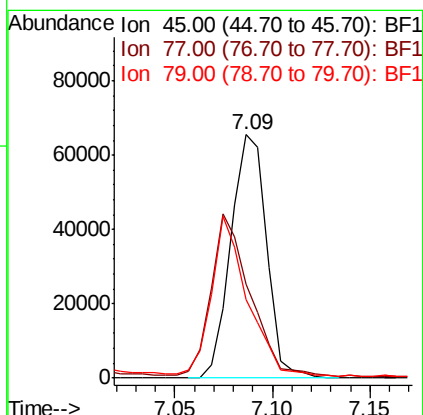
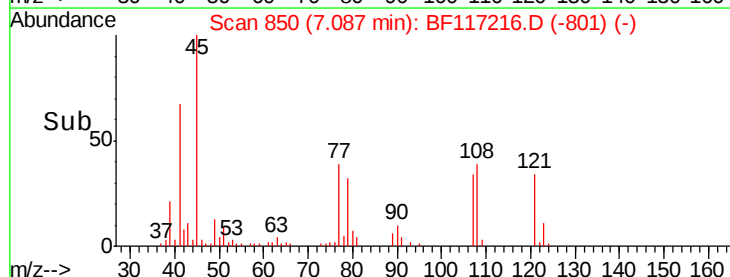
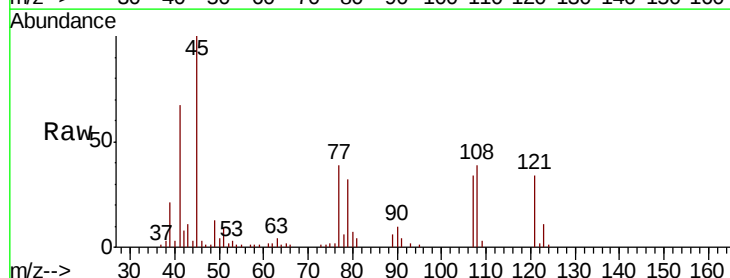
Tgt Ion: 45 Resp: 82896

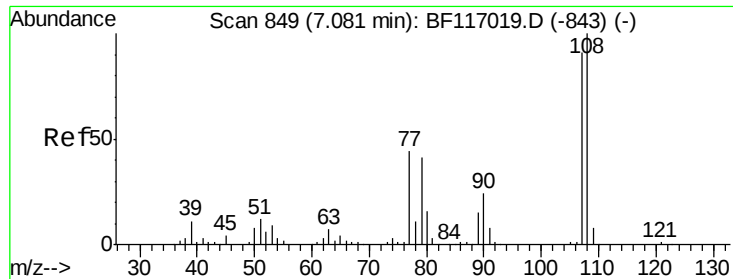
Ion Ratio Lower Upper

45 100

77 38.8 2.7 42.7

79 32.1 0.0 38.9

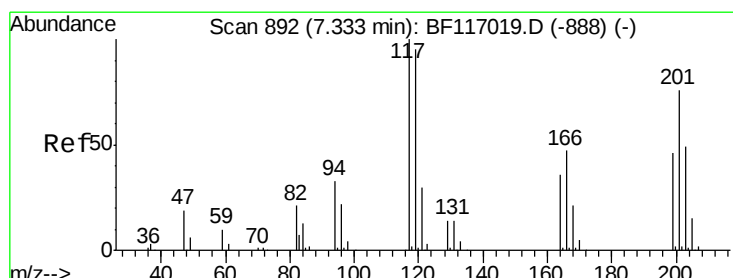
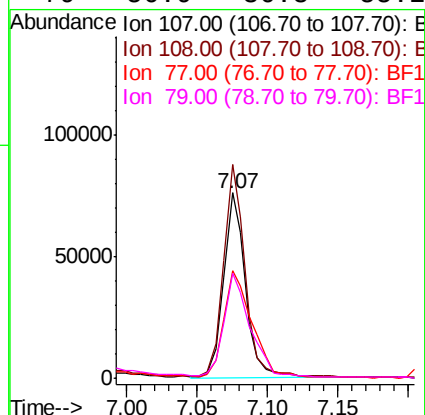
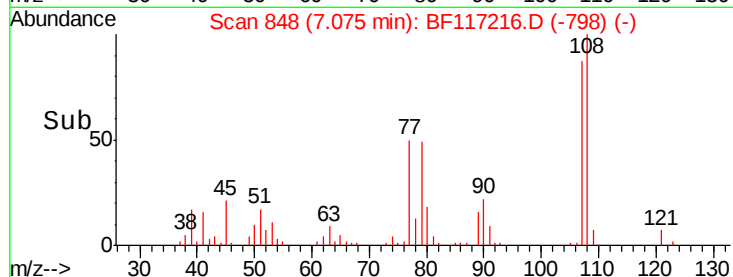
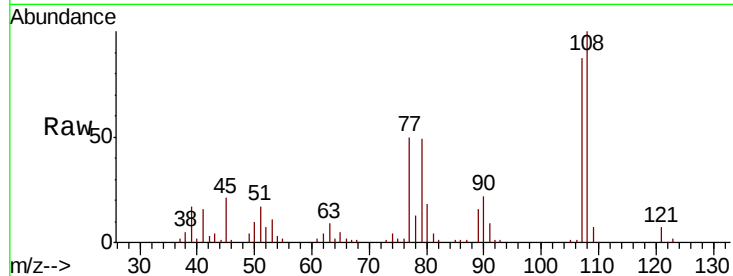




#17
2-Methylphenol
Concen: 45.060 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

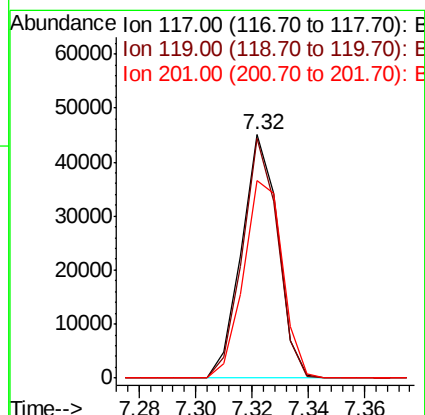
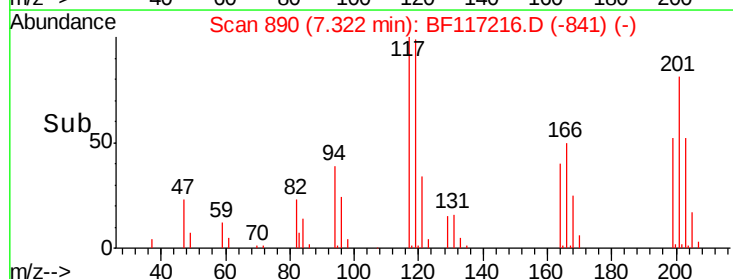
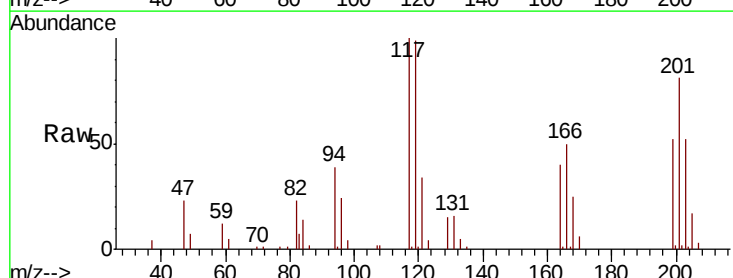
Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 82514
Ion Ratio Lower Upper
107 100
108 115.3 87.7 131.5
77 57.9 38.6 58.0
79 56.9 36.8 55.2#



#18
Hexachloroethane
Concen: 41.841 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion:117 Resp: 40275
Ion Ratio Lower Upper
117 100
119 98.6 75.8 113.8
201 81.2 60.9 91.3

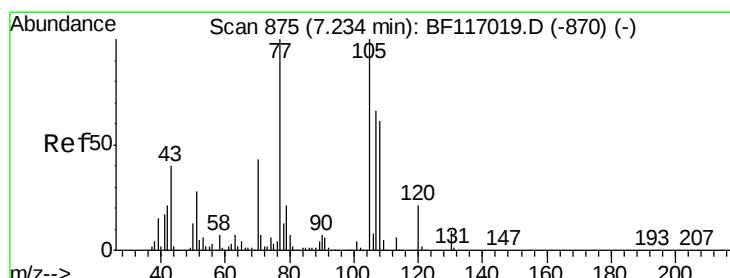
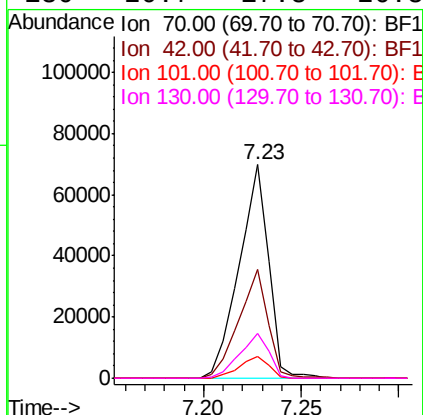
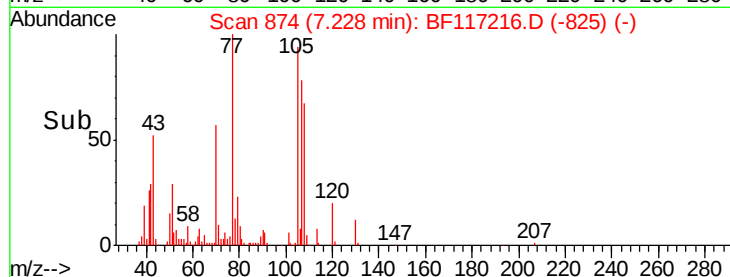
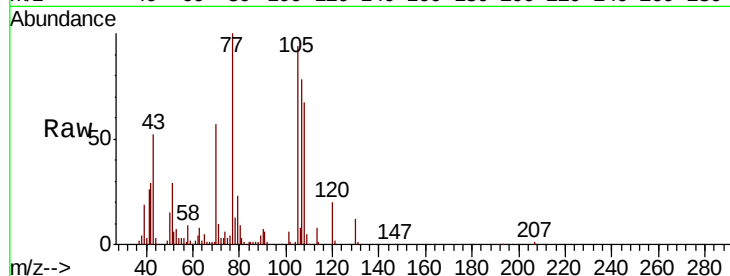




#19
n-Nitroso-di-n-propylamine
Concen: 45.908 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

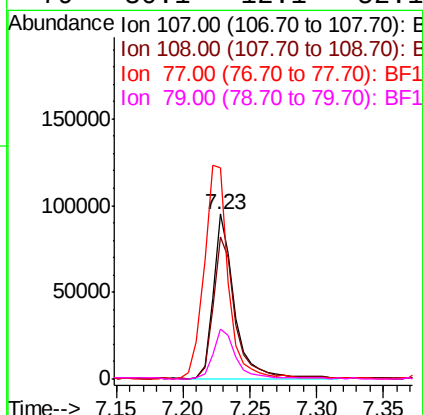
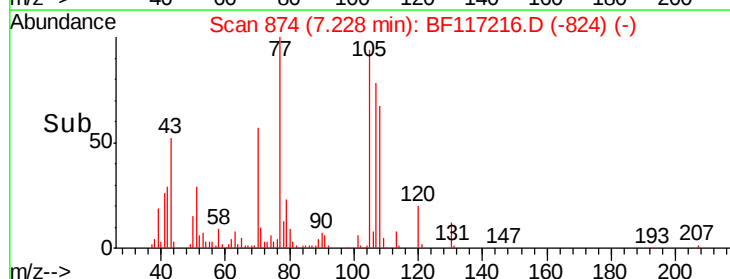
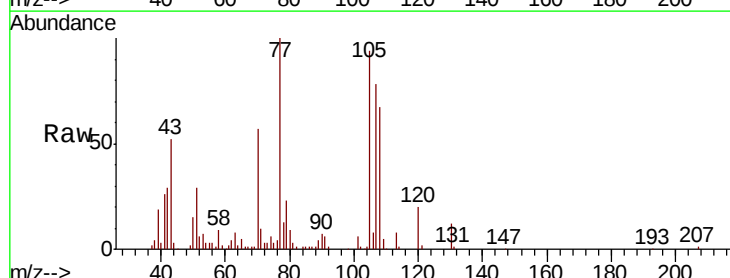
Instrument :
BNA_F
ClientSampled :

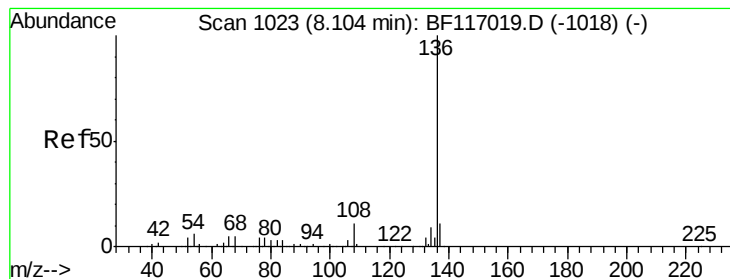
Tot Ion: 70 Resp: 73171
Ion Ratio Lower Upper
70 100
42 51.0 34.0 51.0#
101 10.5 7.8 11.6
130 20.7 17.8 26.8



#20
3+4-Methylphenols
Concen: 47.124 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion:107 Resp: 107489
Ion Ratio Lower Upper
107 100
108 86.2 72.6 112.6
77 128.4 132.1 172.1#
79 30.1 12.1 52.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 135434

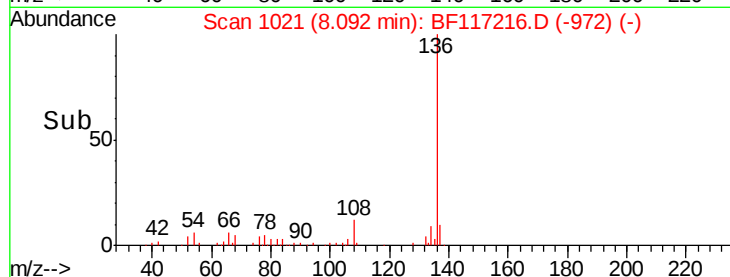
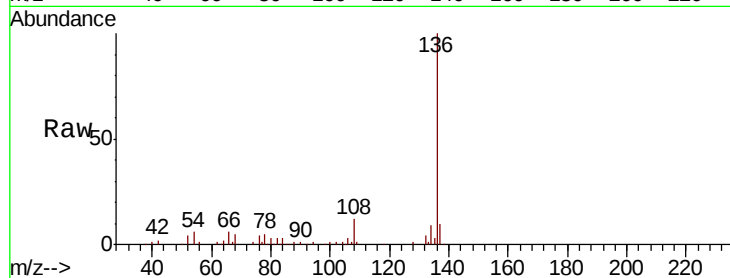
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 6.0 4.5 6.7

68 5.2 4.0 6.0

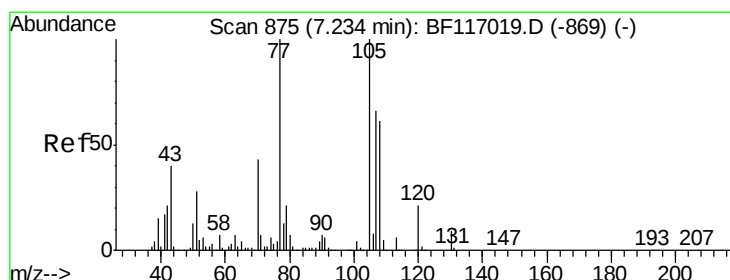
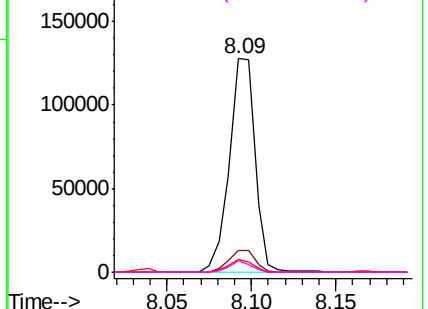


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.768 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Tgt Ion:105 Resp: 150604

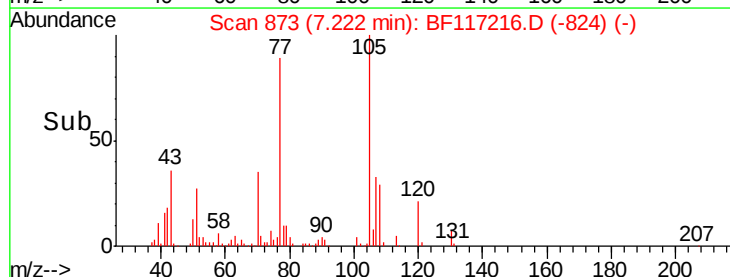
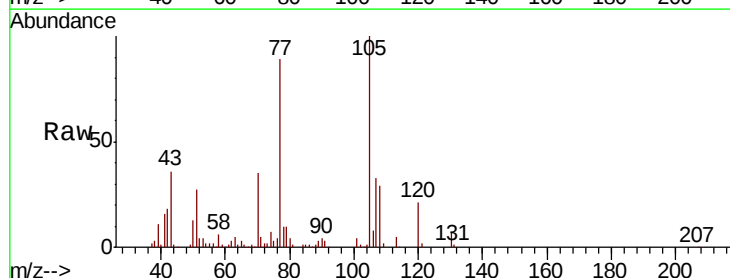
Ion Ratio Lower Upper

105 100

71 5.4 5.7 8.5#

51 27.3 22.1 33.1

120 21.5 17.1 25.7

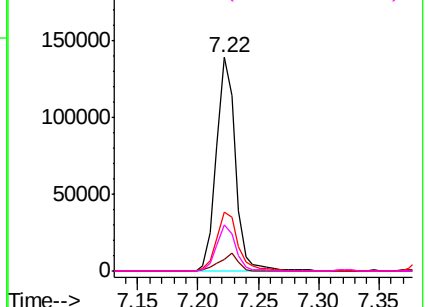


Abundance Ion 105.00 (104.70 to 105.70): E

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

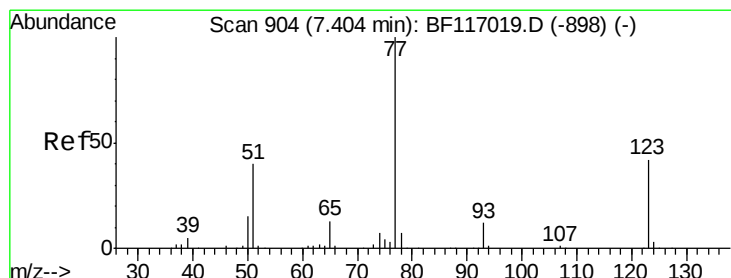
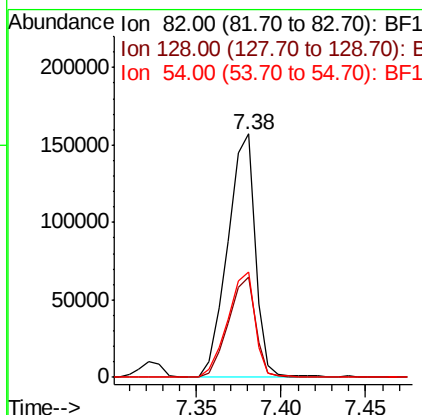
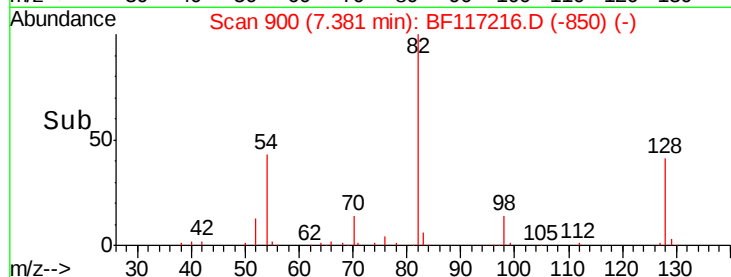
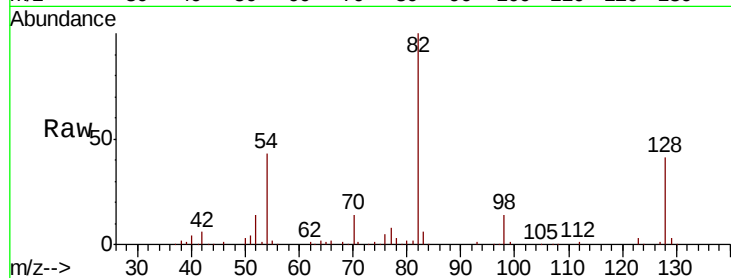




#23
Nitrobenzene-d5
Concen: 69.665 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

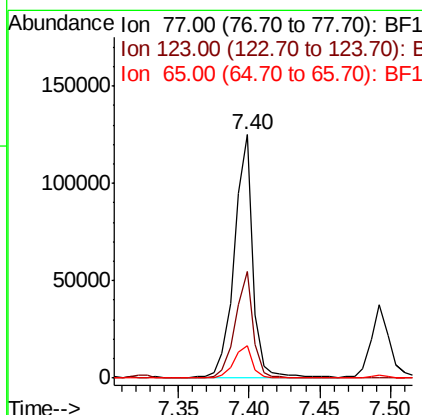
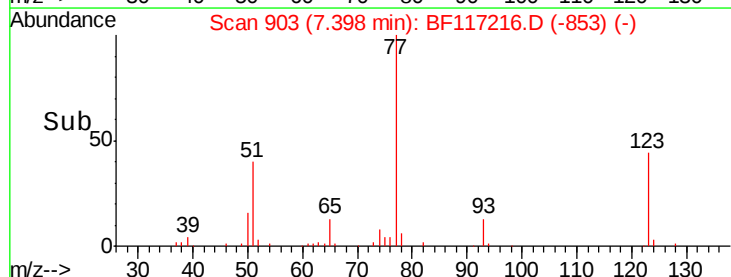
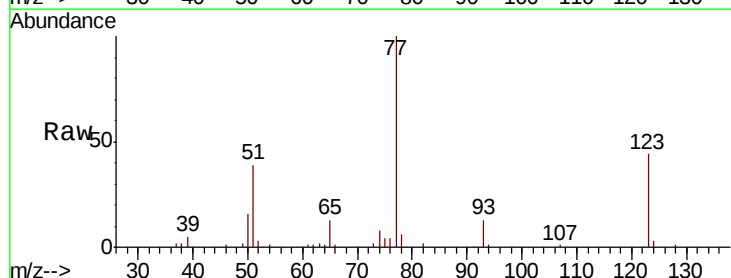
Instrument :
BNA_F
ClientSampleId :

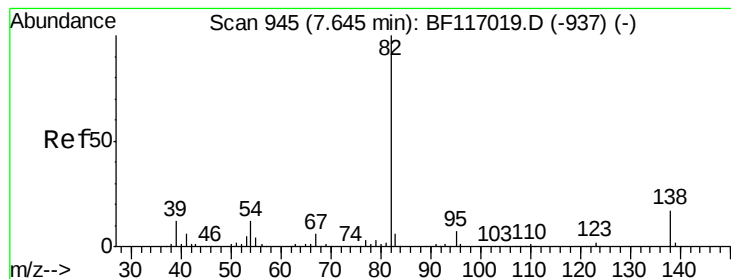
Tot Ion: 82 Resp: 179570
Ion Ratio Lower Upper
82 100
128 41.1 32.3 48.5
54 43.4 33.3 49.9



#24
Nitrobenzene
Concen: 44.298 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion: 77 Resp: 112761
Ion Ratio Lower Upper
77 100
123 43.7 33.5 50.3
65 13.2 10.5 15.7





#25

Isophorone

Concen: 44.643 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

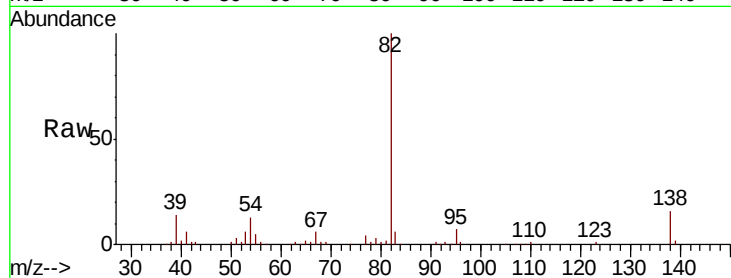
Tot Ion: 82 Resp: 203744

Ion Ratio Lower Upper

82 100

95 7.4 5.8 8.6

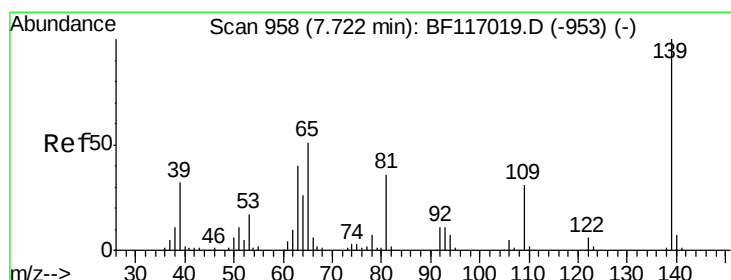
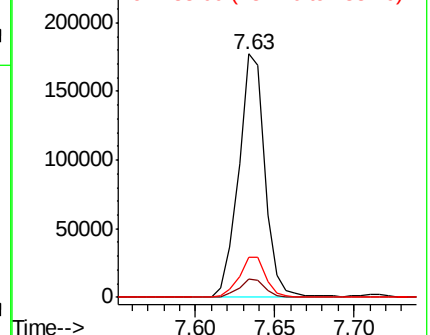
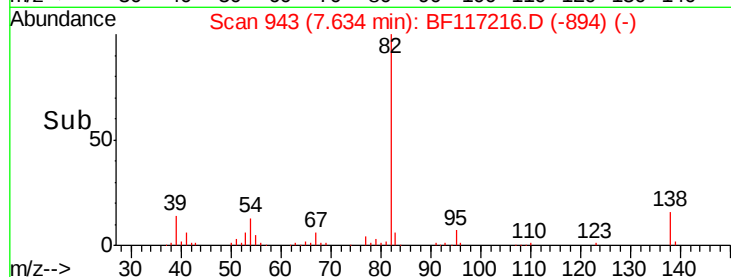
138 16.5 13.5 20.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 45.750 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

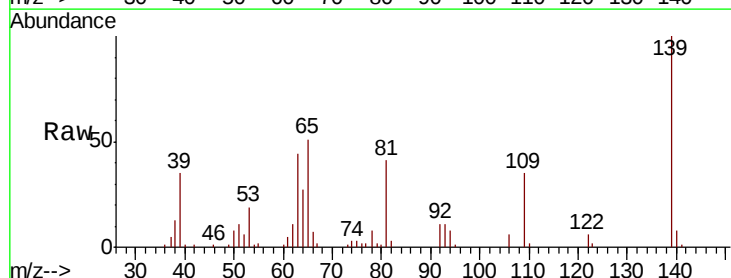
Tgt Ion: 139 Resp: 50022

Ion Ratio Lower Upper

139 100

109 34.7 24.6 36.8

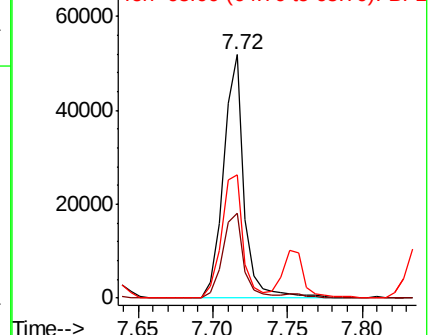
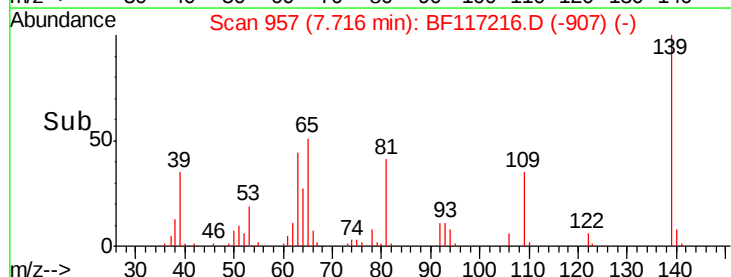
65 50.5 40.9 61.3

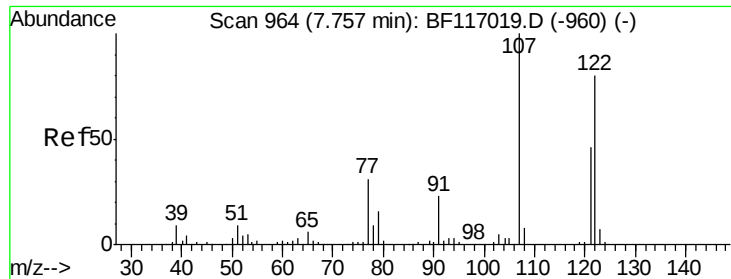


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 49.987 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.00 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

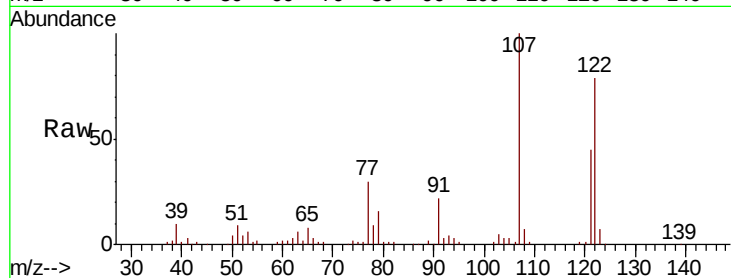
Tot Ion:122 Resp: 86671

Ion Ratio Lower Upper

122 100

107 126.7 98.9 148.3

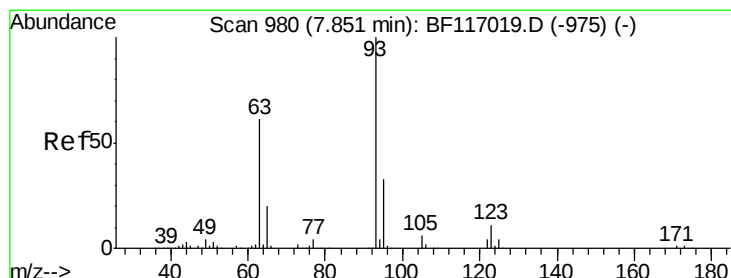
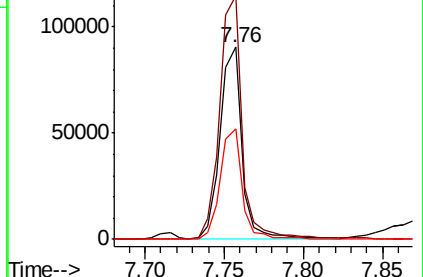
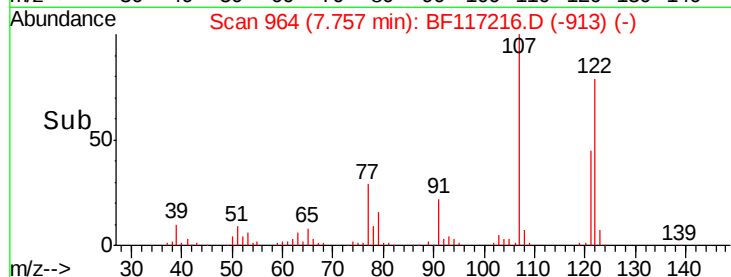
121 57.5 45.3 67.9



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: 41.383 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

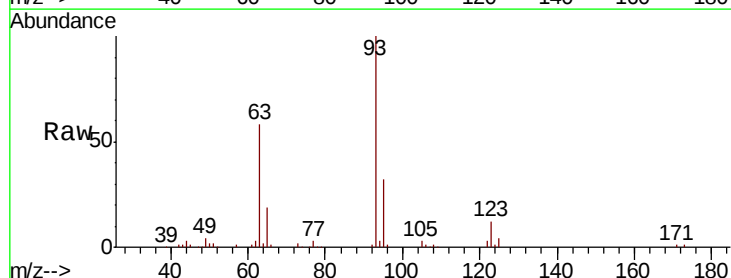
Tgt Ion: 93 Resp: 116363

Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.4

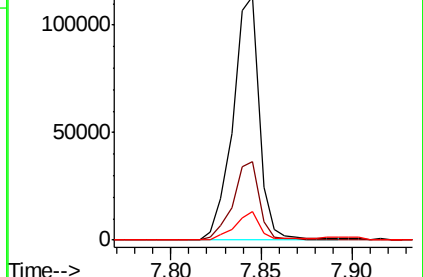
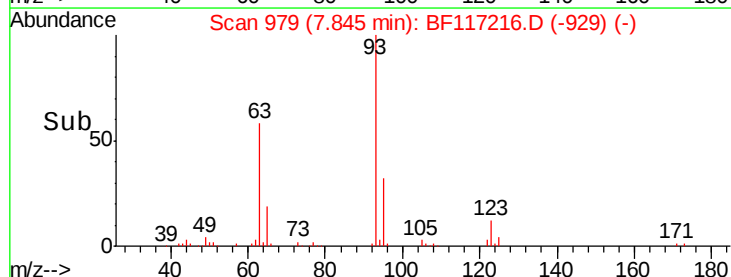
123 11.7 9.0 13.6

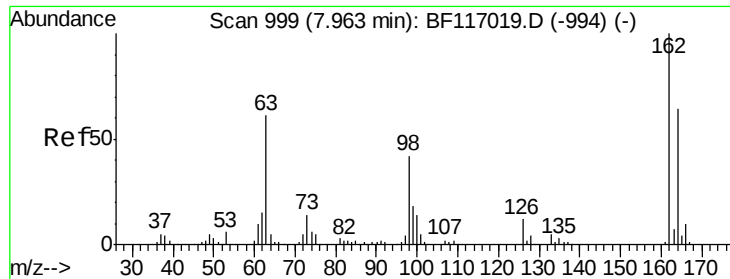


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

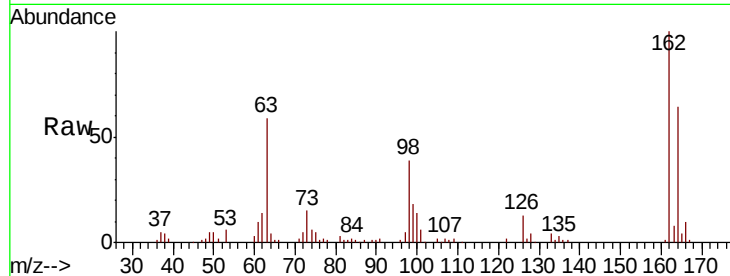




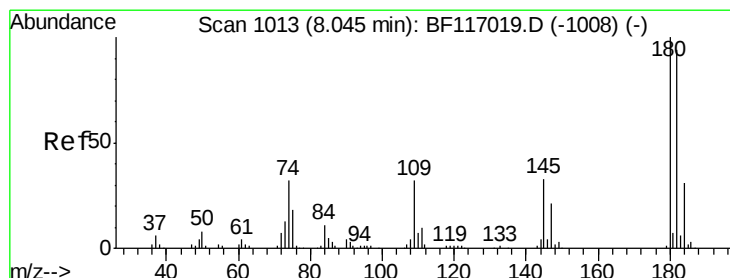
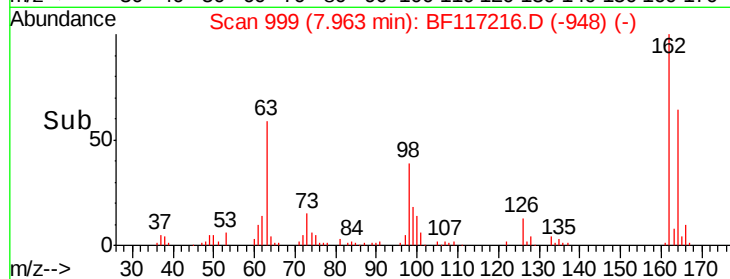
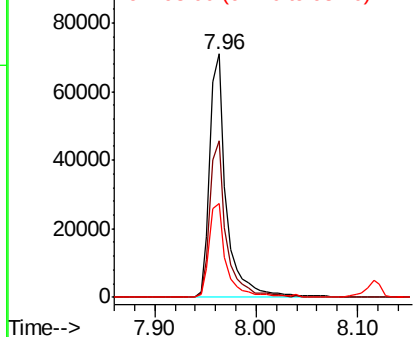
#29
 2,4-Dichlorophenol
 Concen: 44.579 ng
 RT: 7.96 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.1	43.8	83.8
98	38.6	22.1	62.1

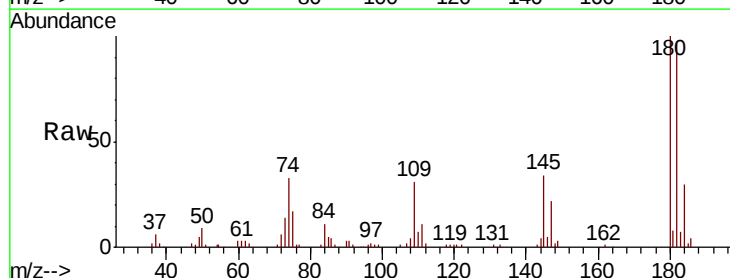


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

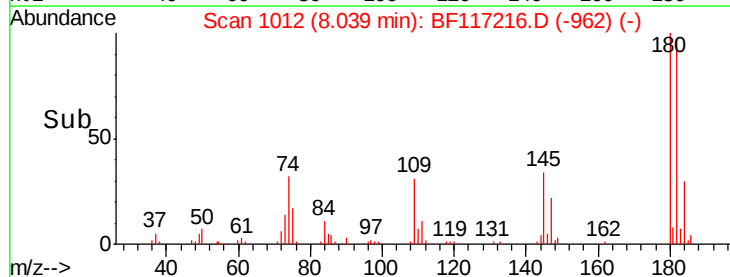
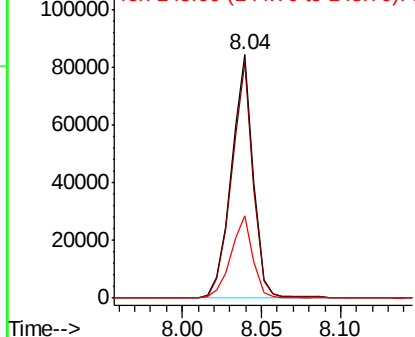


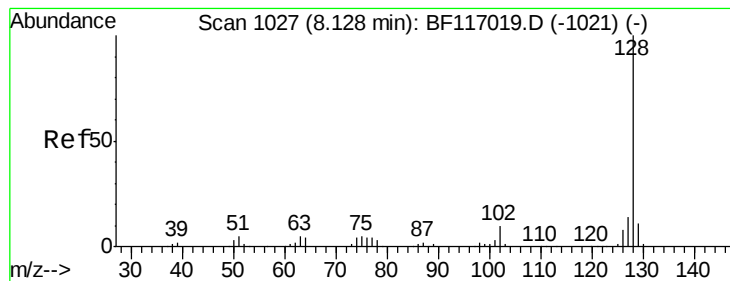
#30
 1,2,4-Trichlorobenzene
 Concen: 40.796 ng
 RT: 8.04 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.4	113.0
145	33.7	26.7	40.1



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 44.142 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

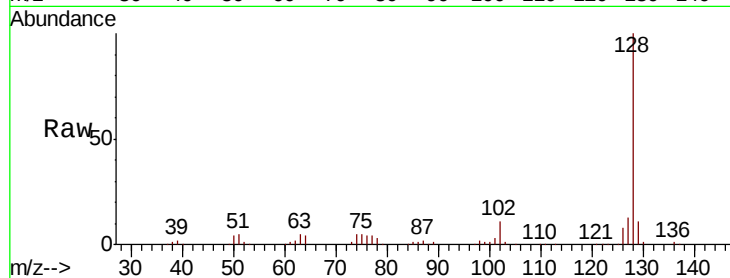
Tot Ion:128 Resp: 287520

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

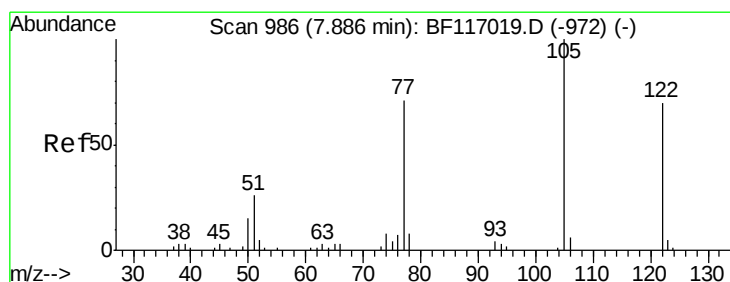
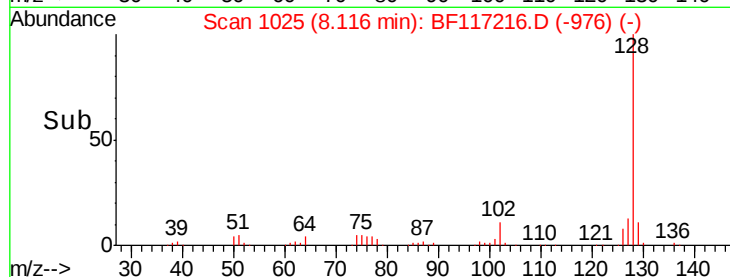
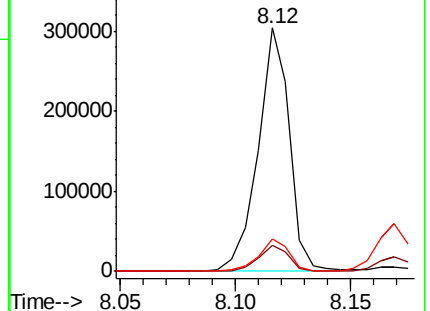
127 13.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 35.802 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.02 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

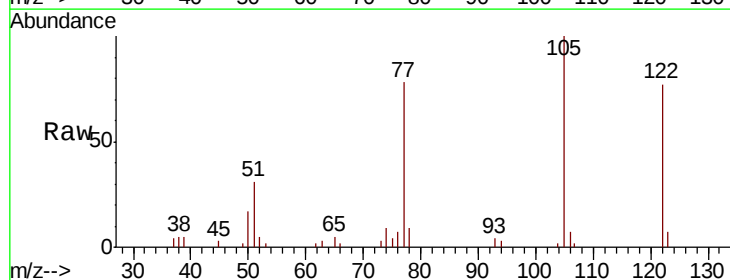
Tgt Ion:122 Resp: 44329

Ion Ratio Lower Upper

122 100

105 129.1 114.8 154.8

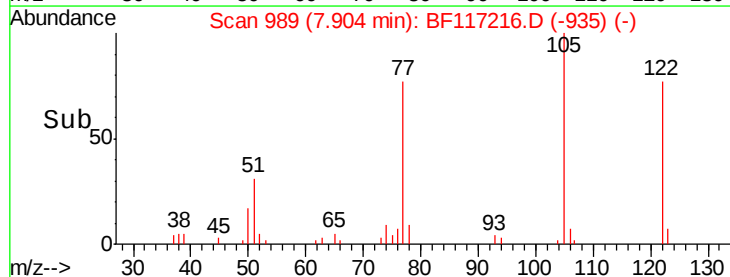
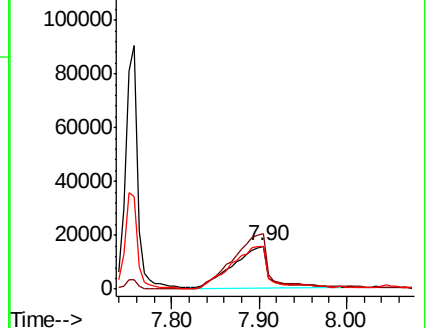
77 101.2 78.7 118.7

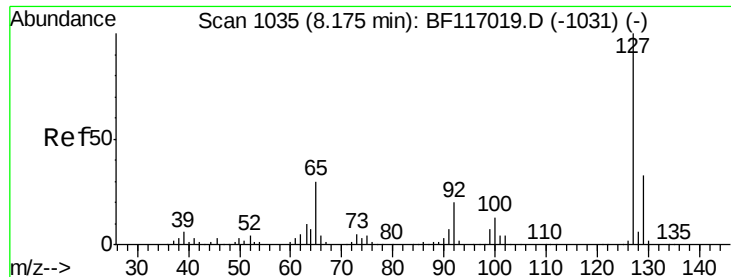


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

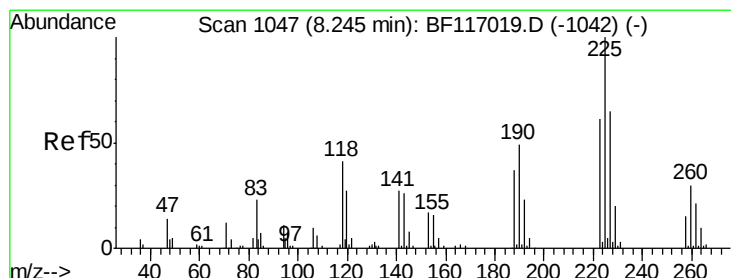
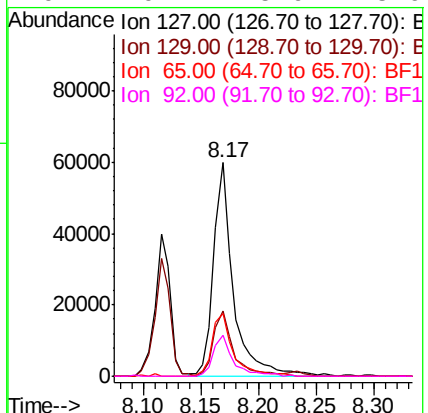
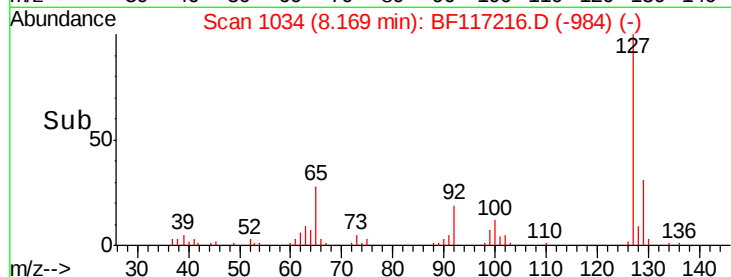
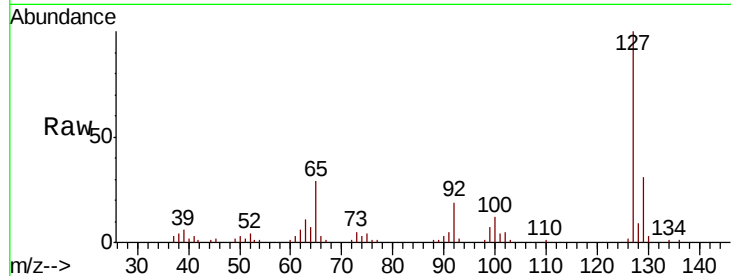




#33
4-Chloroaniline
Concen: 24.847 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

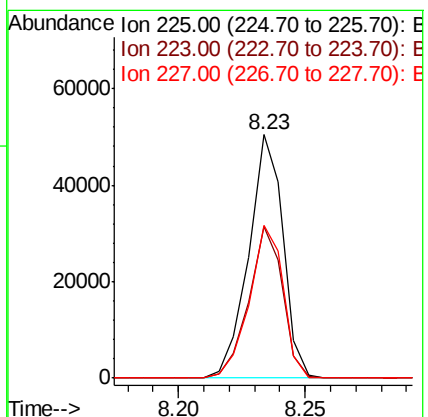
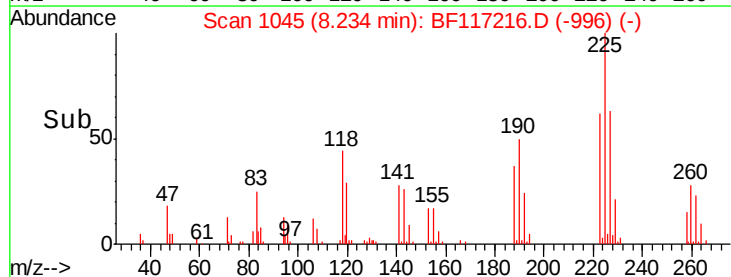
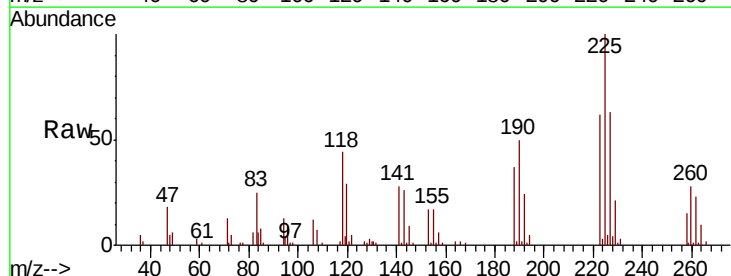
Instrument :
BNA_F
ClientSampled :

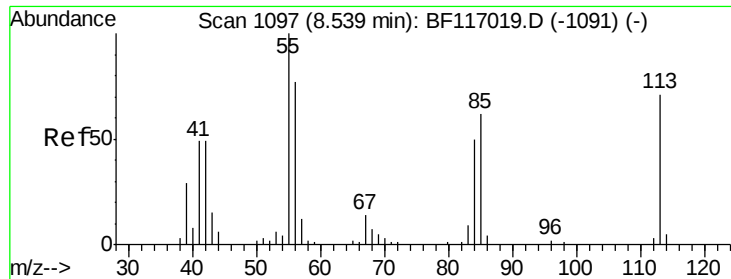
Tot Ion:127	Resp:	71781
Ion Ratio	Lower	Upper
127	100	
129	30.7	26.2 39.2
65	29.4	23.5 35.3
92	19.1	15.9 23.9



#34
Hexachlorobutadiene
Concen: 42.713 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion:225	Resp:	47565
Ion Ratio	Lower	Upper
225	100	
223	62.2	49.1 73.7
227	62.5	52.2 78.2

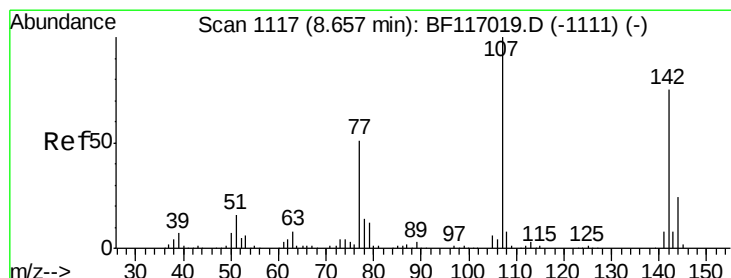
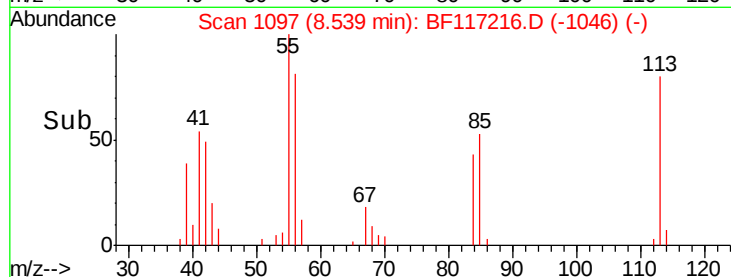
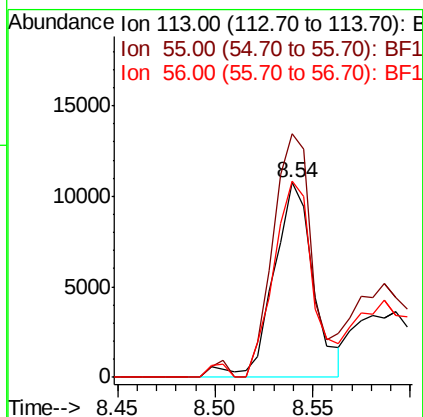
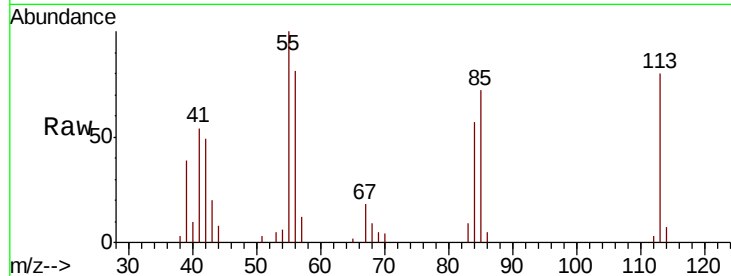




#35
 Caprolactam
 Concen: 24.702 ng
 RT: 8.54 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

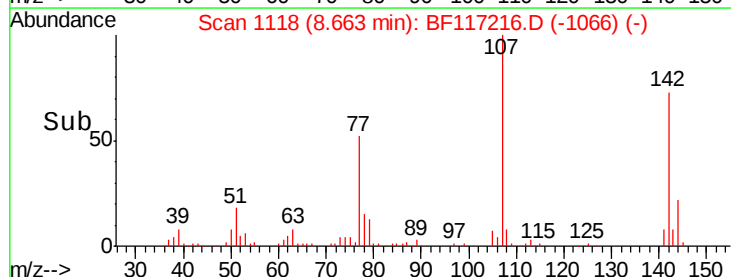
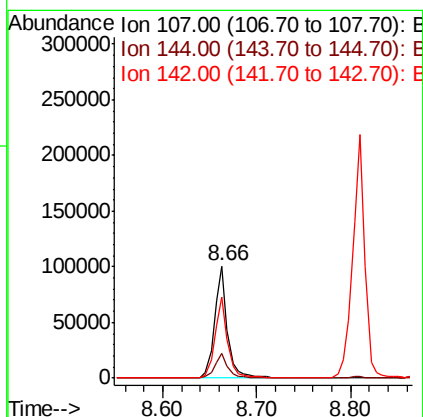
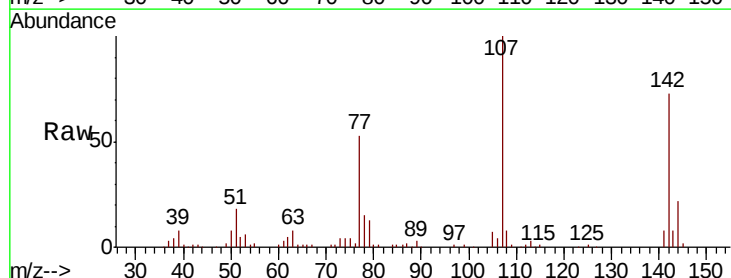
Instrument :
 BNA_F
 ClientSampled :

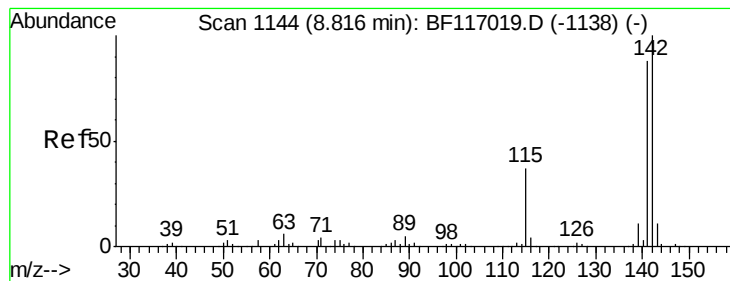
Tot Ion:113 Resp: 15190
 Ion Ratio Lower Upper
 113 100
 55 125.0 120.6 160.6
 56 101.0 88.8 128.8



#36
 4-Chloro-3-methylphenol
 Concen: 46.381 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. 0.01 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Tgt Ion:107 Resp: 98254
 Ion Ratio Lower Upper
 107 100
 144 22.3 19.2 28.8
 142 72.9 59.6 89.4





#37

2-Methylnaphthalene

Concen: 45.156 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

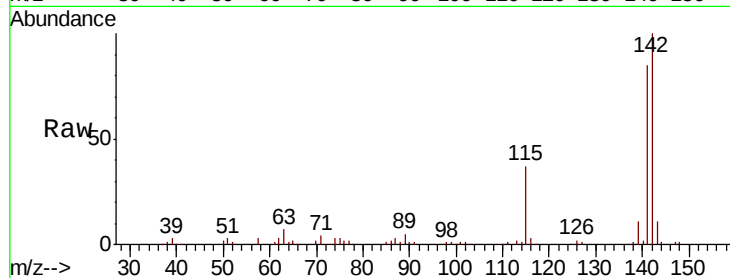
Tot Ion:142 Resp: 198062

Ion Ratio Lower Upper

142 100

141 84.9 70.7 106.1

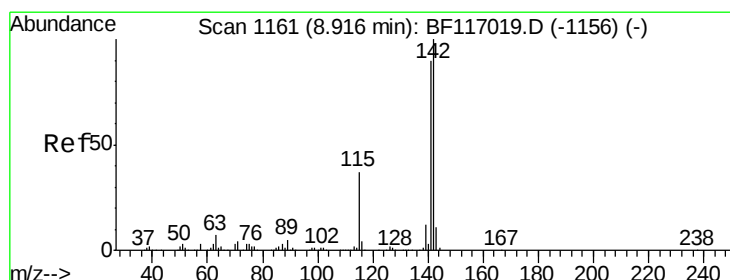
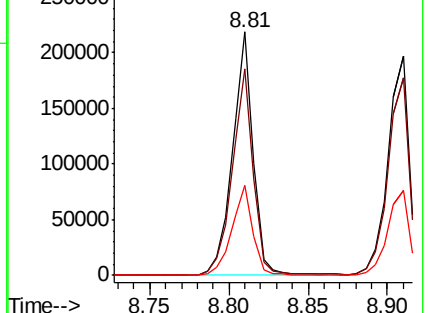
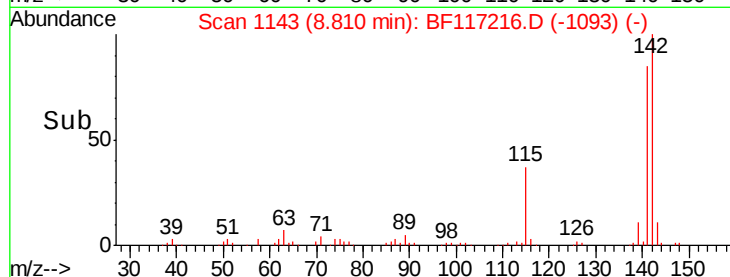
115 36.8 29.4 44.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 44.096 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

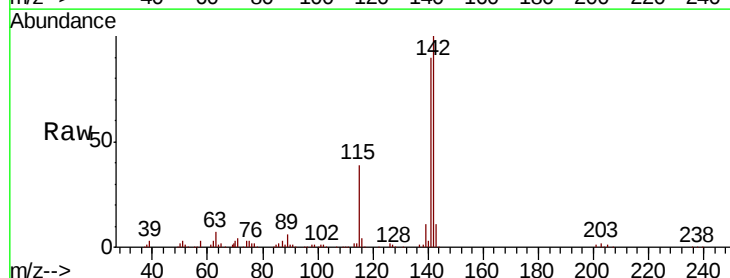
Tgt Ion:142 Resp: 181147

Ion Ratio Lower Upper

142 100

141 90.4 71.9 107.9

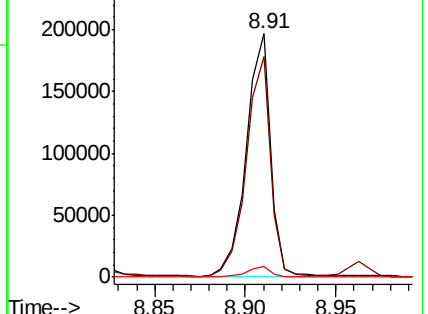
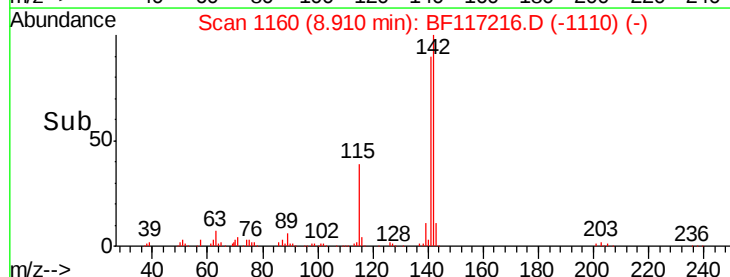
116 4.1 3.2 4.8

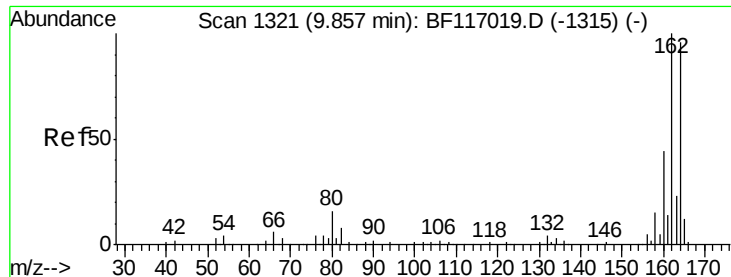


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampled :

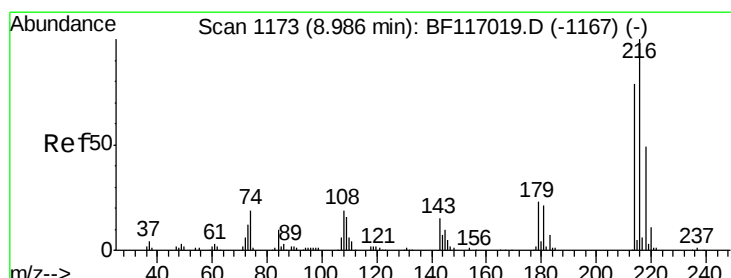
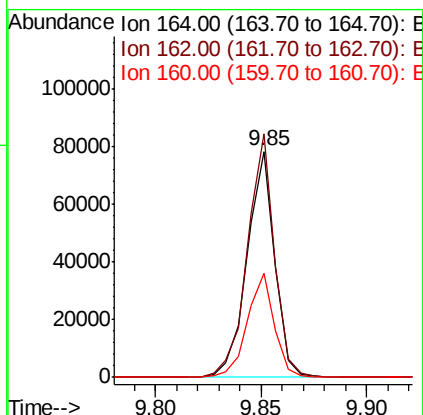
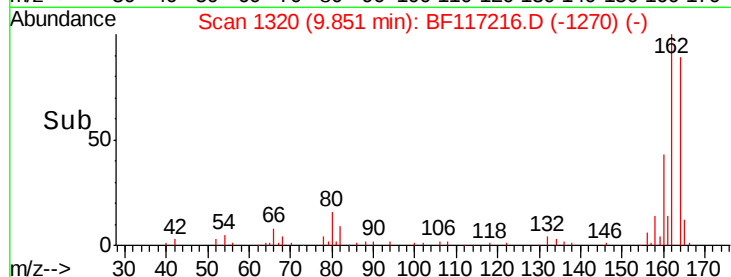
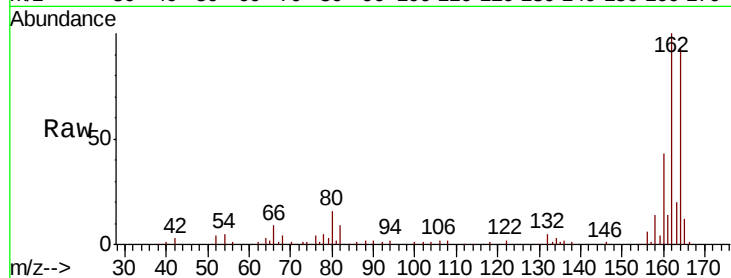
Tot Ion:164 Resp: 71100

Ion Ratio Lower Upper

164 100

162 107.7 83.4 125.2

160 46.2 36.4 54.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.645 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Tgt Ion:216 Resp: 78295

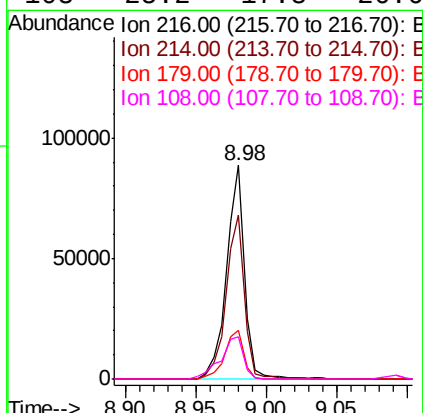
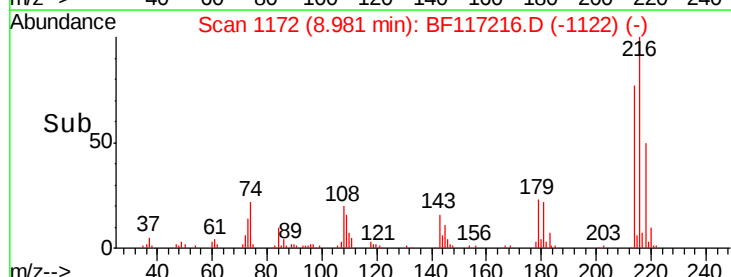
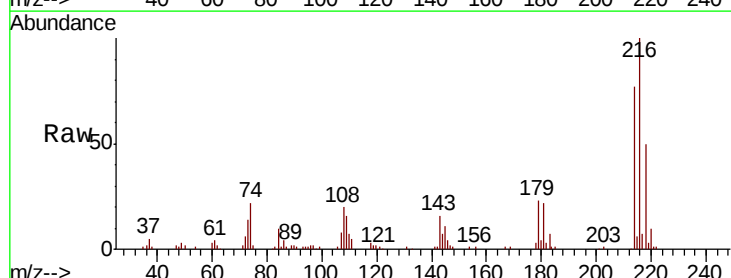
Ion Ratio Lower Upper

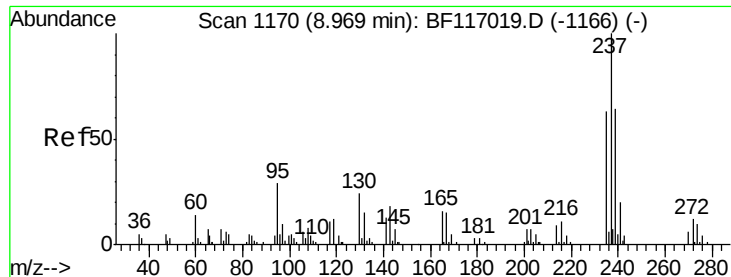
216 100

214 78.5 63.6 95.4

179 23.9 18.3 27.5

108 25.2 17.8 26.6





#41

Hexachlorocyclopentadiene

Concen: 80.508 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampled :

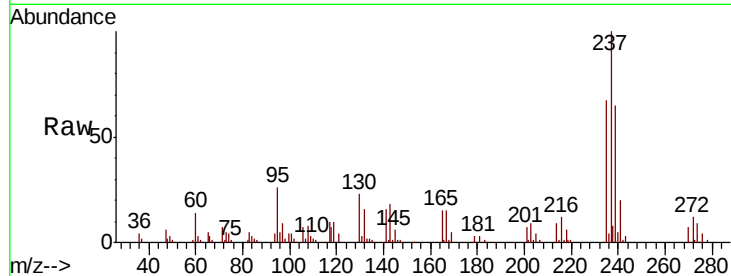
Tot Ion:237 Resp: 65381

Ion Ratio Lower Upper

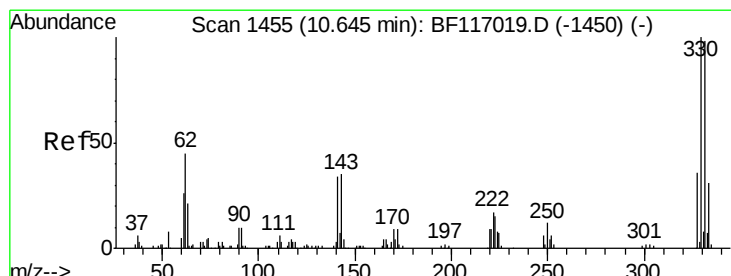
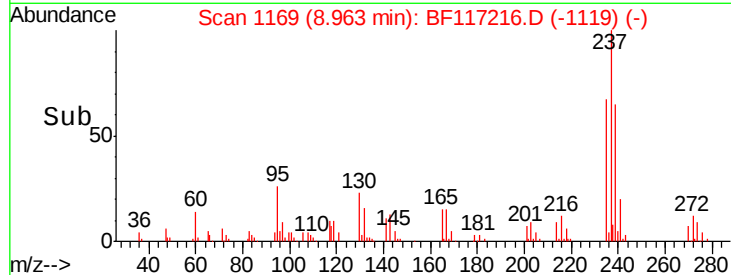
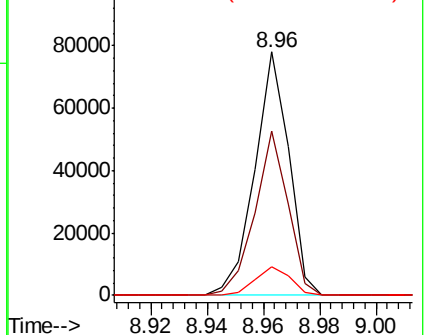
237 100

235 67.3 43.2 83.2

272 11.9 0.0 31.9



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: 125.444 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

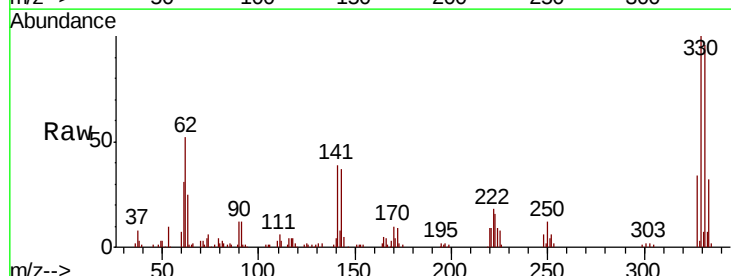
Tgt Ion:330 Resp: 74543

Ion Ratio Lower Upper

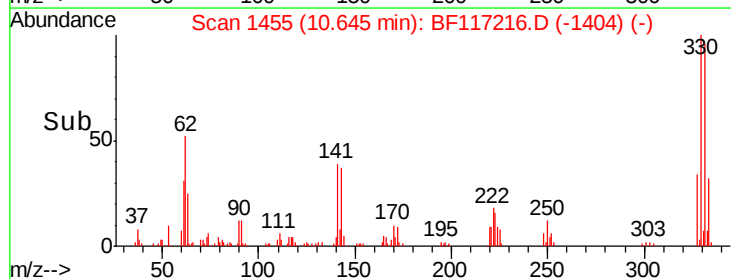
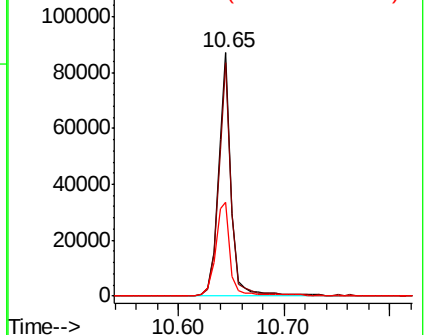
330 100

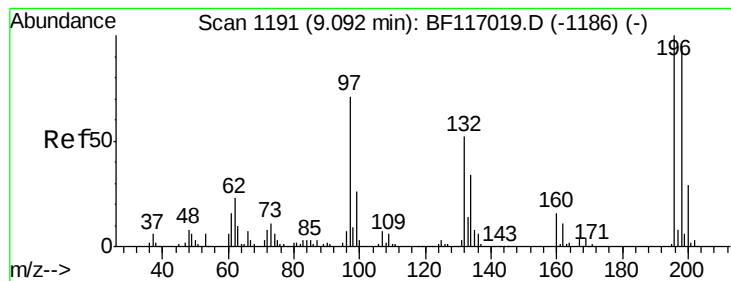
332 95.1 78.0 117.0

141 44.5 35.8 53.6



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: 41.895 ng

RT: 9.09 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

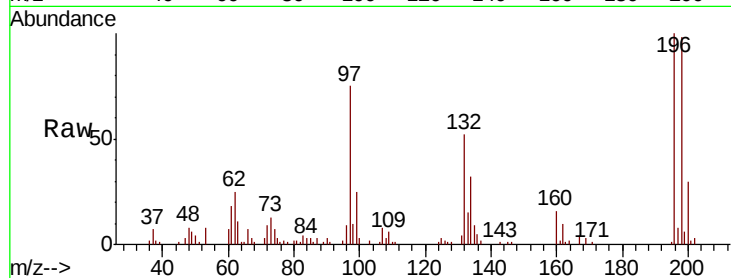
Tot Ion:196 Resp: 52199

Ion Ratio Lower Upper

196 100

198 98.0 75.7 113.5

200 30.4 23.3 34.9

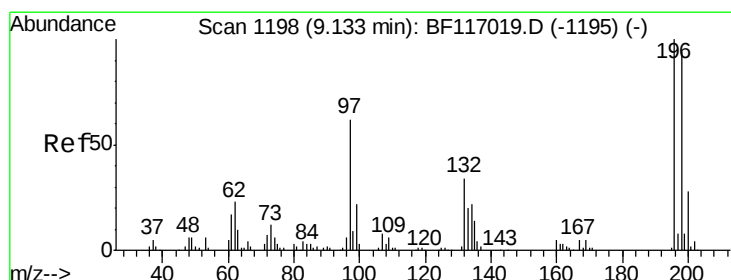
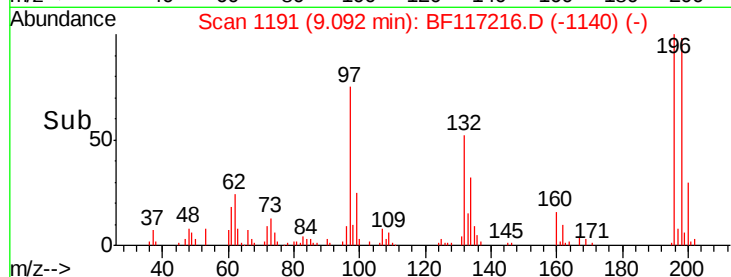
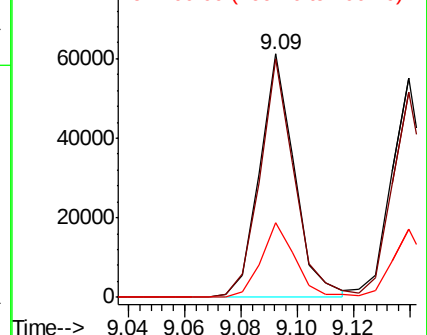


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 43.103 ng

RT: 9.14 min Scan# 1199

Delta R.T. 0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Tgt Ion:196 Resp: 57378

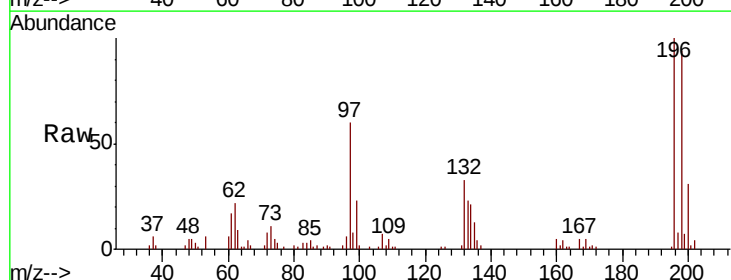
Ion Ratio Lower Upper

196 100

198 94.0 74.6 112.0

97 59.8 49.5 74.3

132 32.5 27.4 41.2



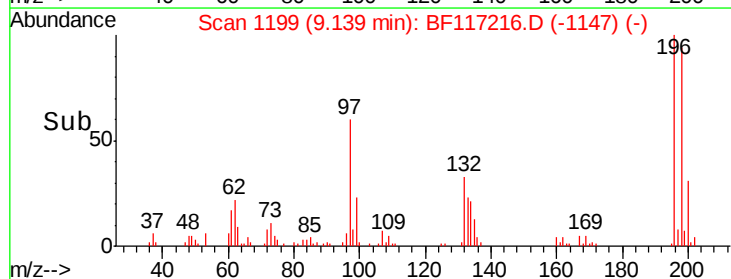
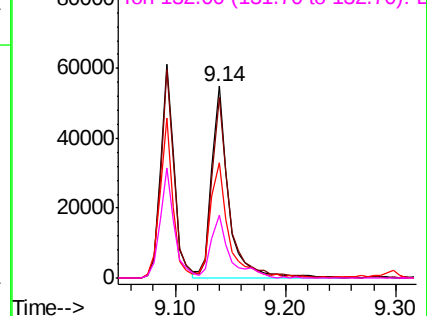
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

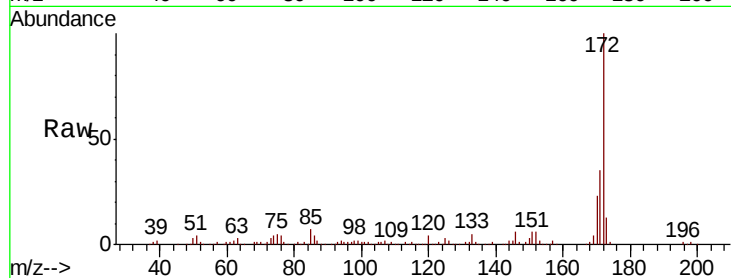




#45
2-Fluorobiphenyl
Concen: 75.009 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.2
170	23.1	18.9	28.3

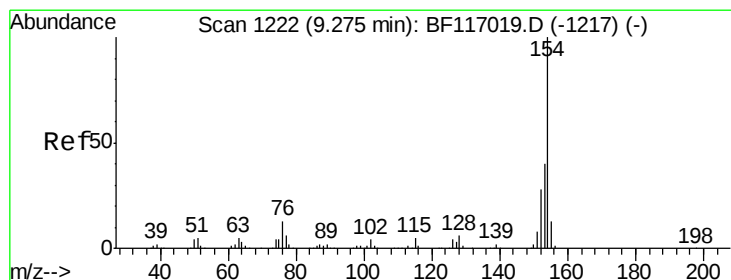
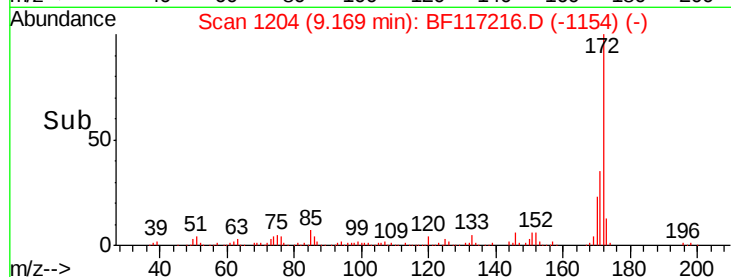
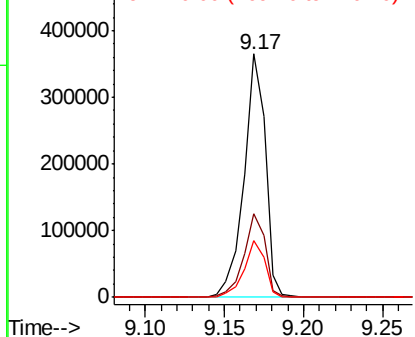


Abundance

Ion 172.00 (171.70 to 172.70): E

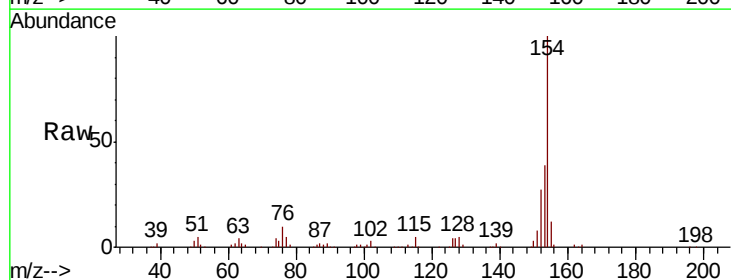
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 42.746 ng
RT: 9.27 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.8	20.0	60.0
76	10.3	0.0	32.7

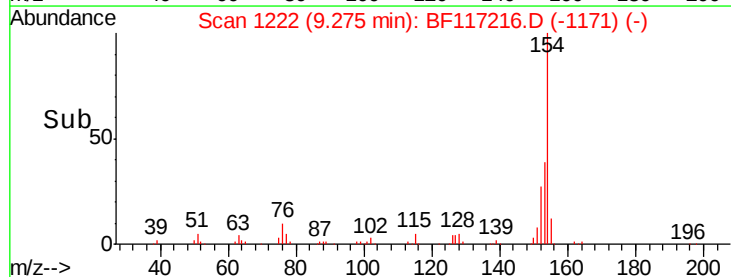
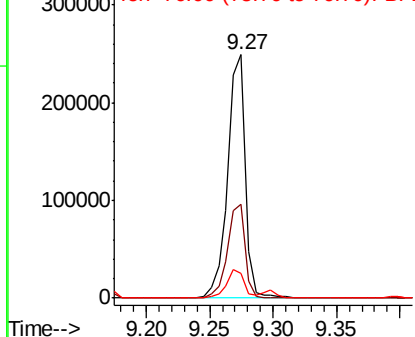


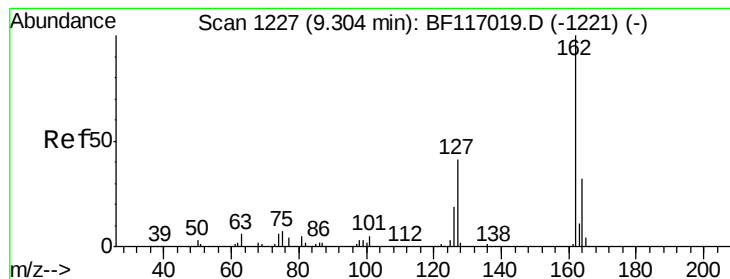
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 41.899 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :
BNA_F
ClientSampled :

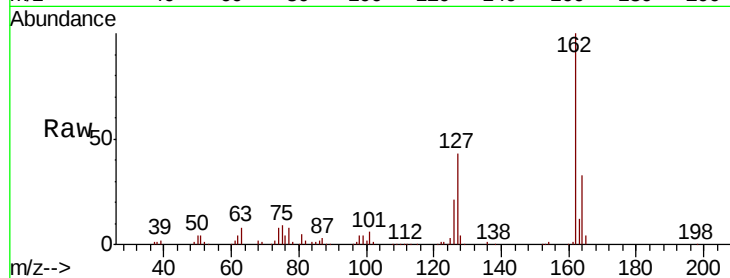
Tot Ion:162 Resp: 184419

Ion Ratio Lower Upper

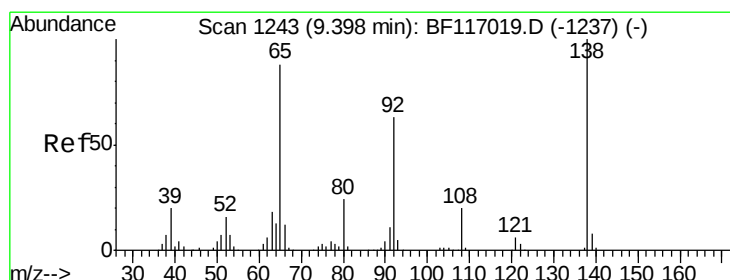
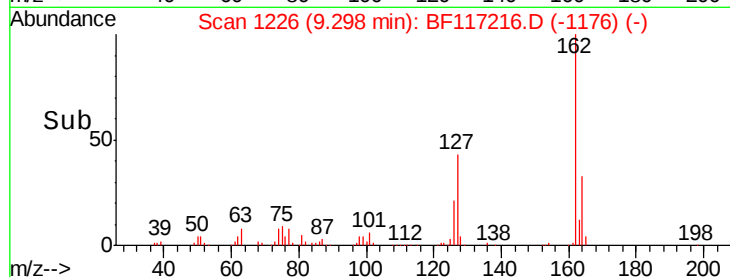
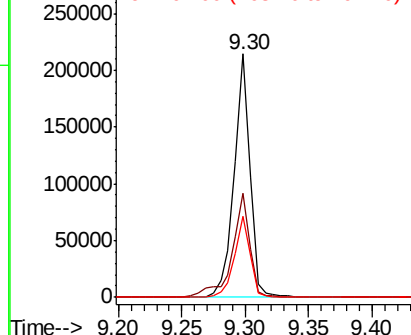
162 100

127 42.7 34.1 51.1

164 33.1 25.9 38.9



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 42.611 ng

RT: 9.40 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

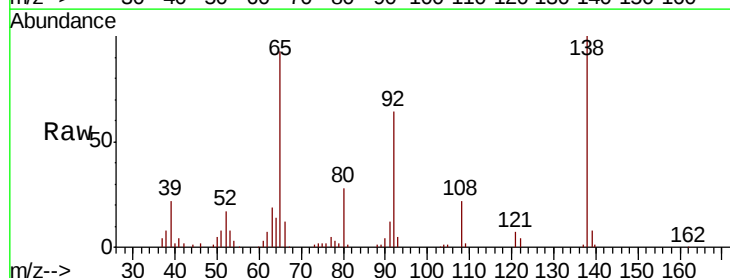
Tgt Ion: 65 Resp: 60157

Ion Ratio Lower Upper

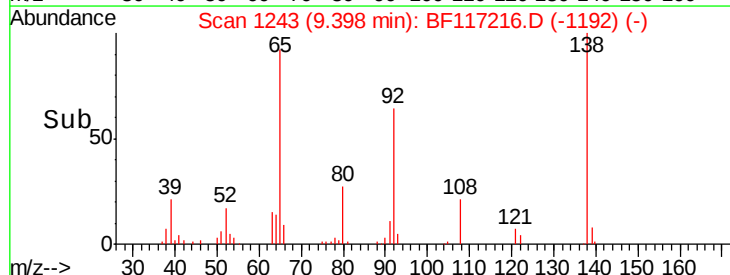
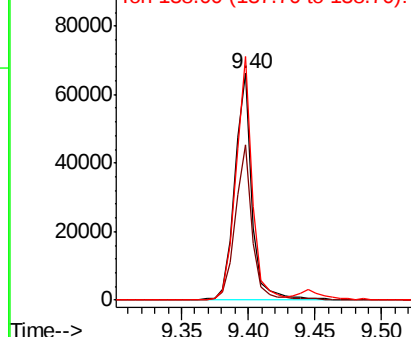
65 100

92 68.7 57.5 86.3

138 107.5 90.6 136.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 44.208 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

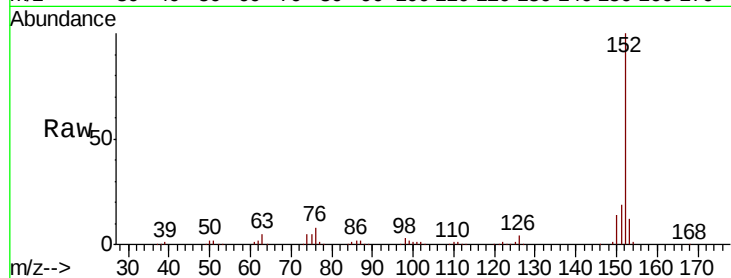
Tot Ion:152 Resp: 291497

Ion Ratio Lower Upper

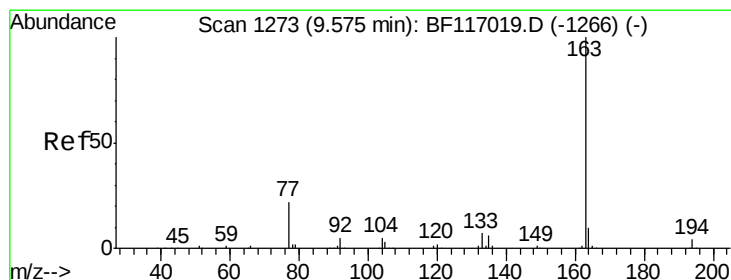
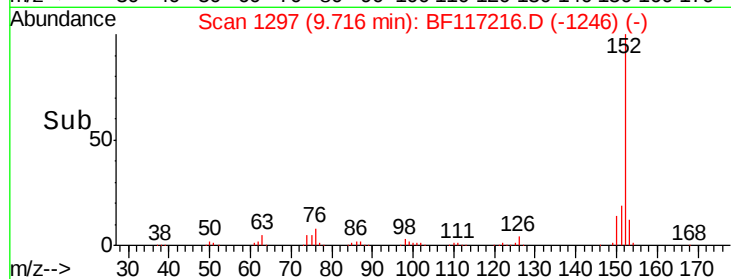
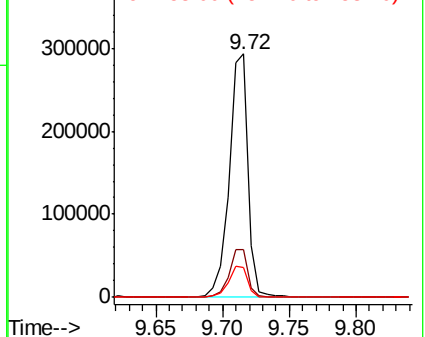
152 100

151 19.4 16.2 24.2

153 12.3 10.2 15.4



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



#50

Dimethylphthalate

Concen: 43.343 ng

RT: 9.57 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

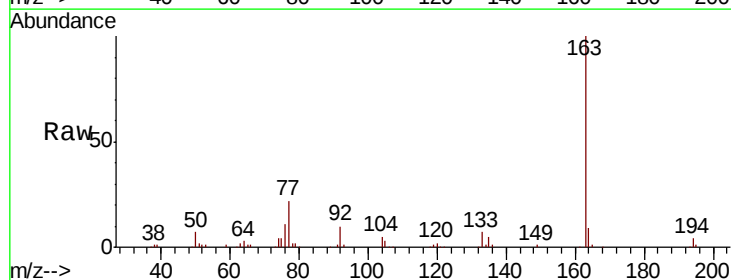
Tgt Ion:163 Resp: 218200

Ion Ratio Lower Upper

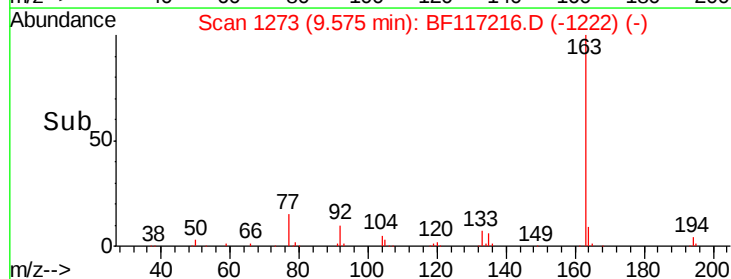
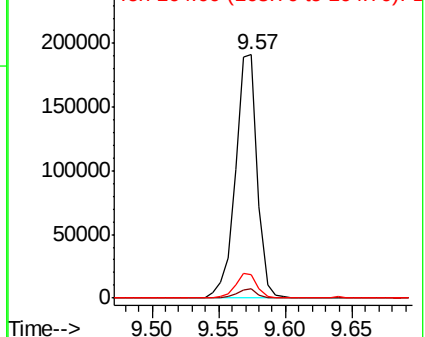
163 100

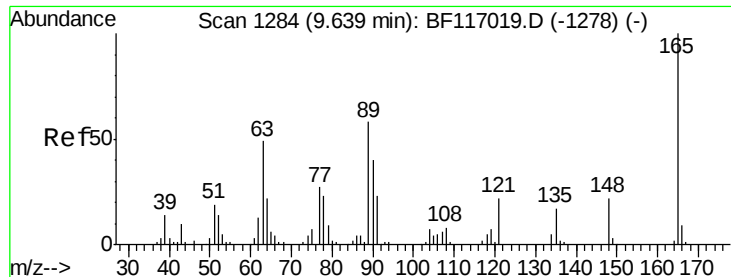
194 3.9 2.9 4.3

164 9.4 8.2 12.4



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

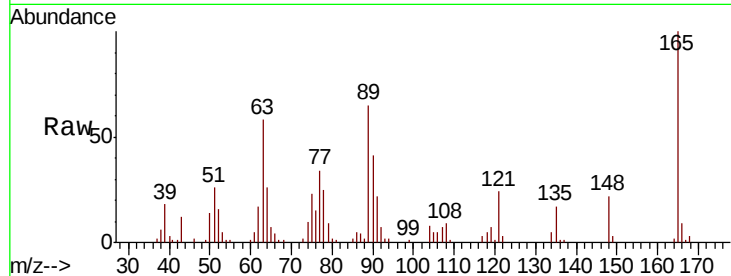




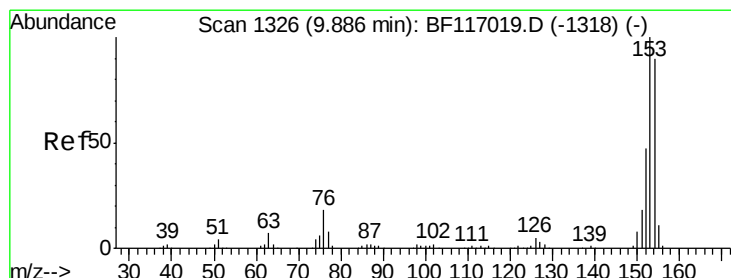
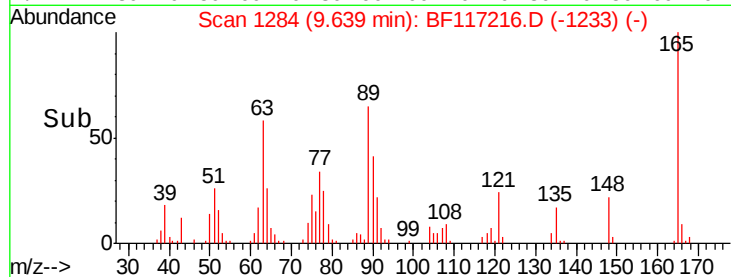
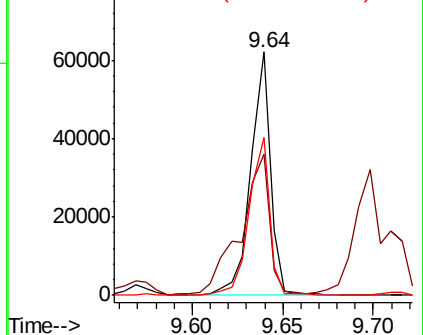
#51
2,6-Dinitrotoluene
Concen: 46.031 ng
RT: 9.64 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 47196
Ion Ratio Lower Upper
165 100
63 58.2 41.8 62.8
89 65.0 46.5 69.7

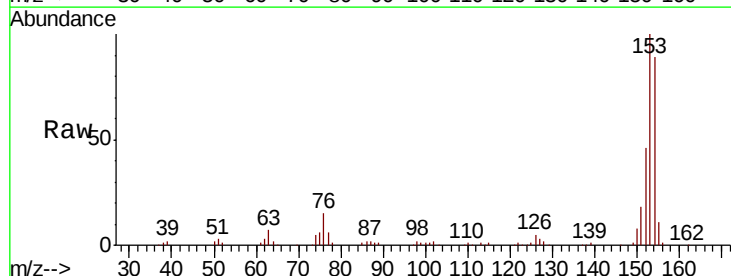


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

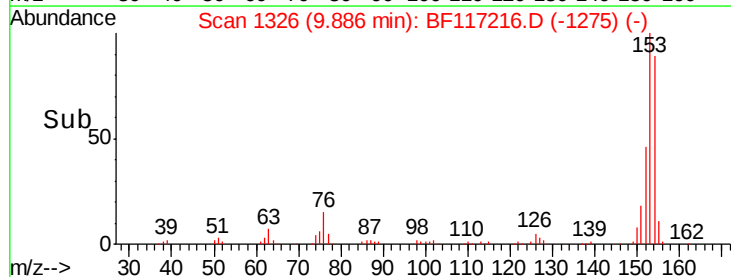
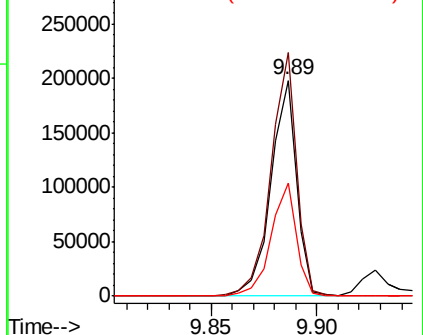


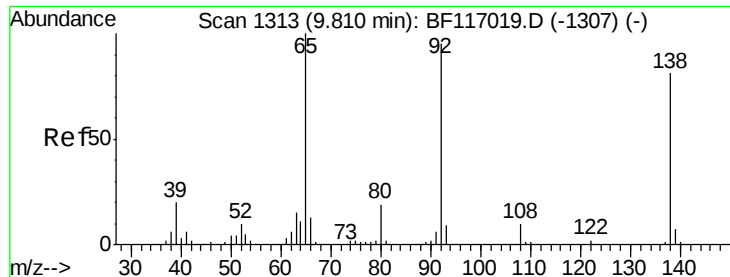
#52
Acenaphthene
Concen: 43.165 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion:154 Resp: 168717
Ion Ratio Lower Upper
154 100
153 112.9 89.0 133.6
152 52.2 41.9 62.9



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

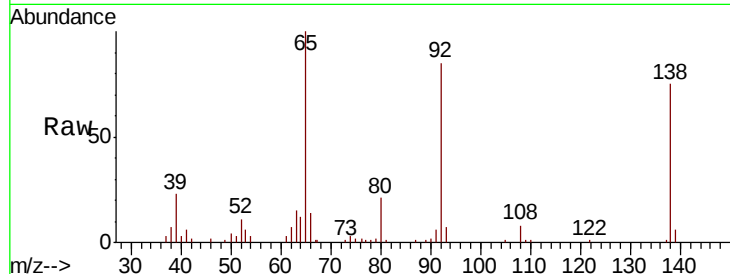




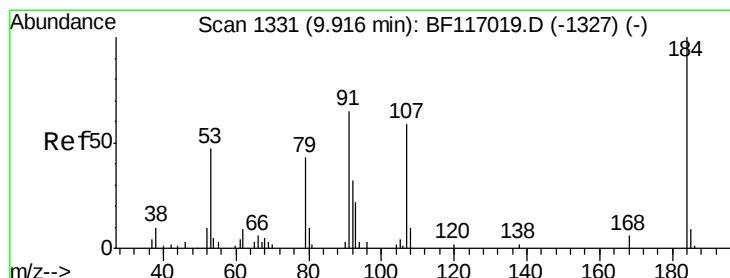
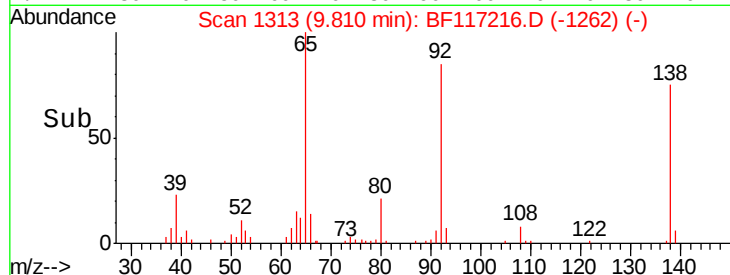
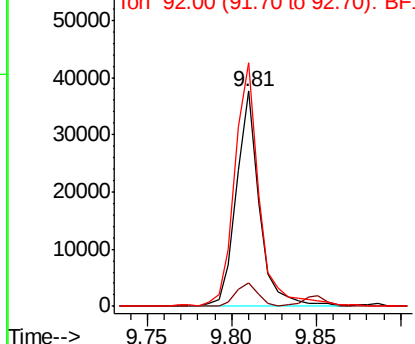
#53
3-Nitroaniline
Concen: 27.475 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:138 Resp: 35542
Ion Ratio Lower Upper
138 100
108 11.0 9.5 14.3
92 113.3 94.1 141.1

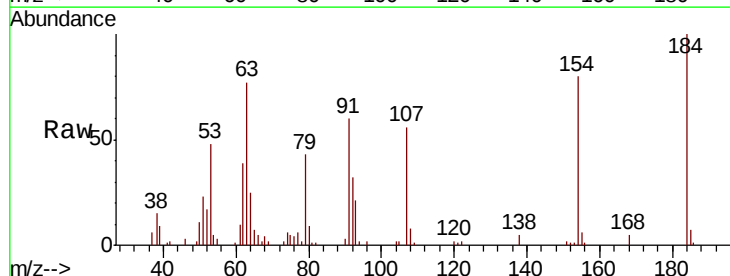


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

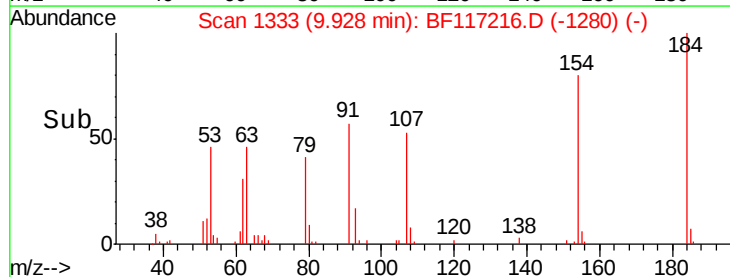
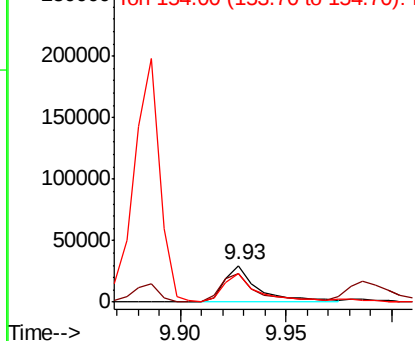


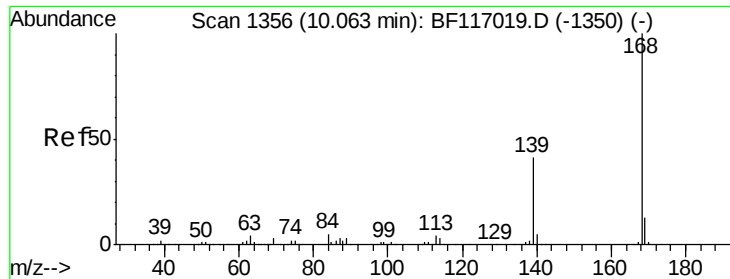
#54
2,4-Dinitrophenol
Concen: 75.261 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion:184 Resp: 33048
Ion Ratio Lower Upper
184 100
63 77.4 63.8 95.6
154 80.1 60.4 90.6



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

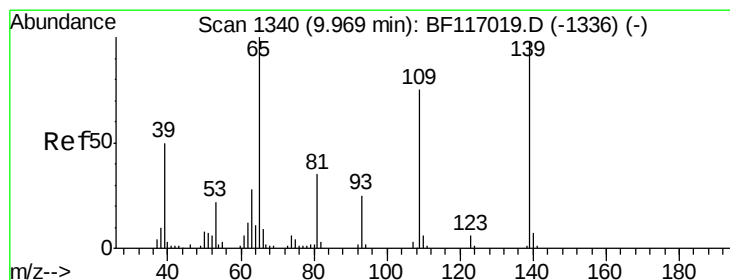
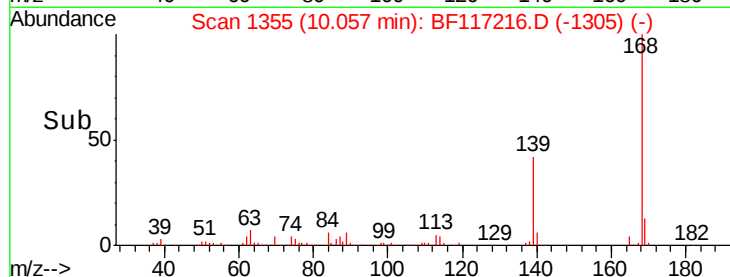
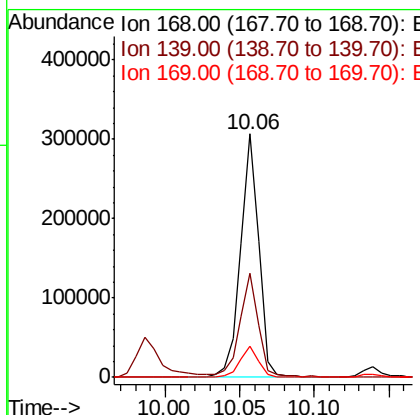
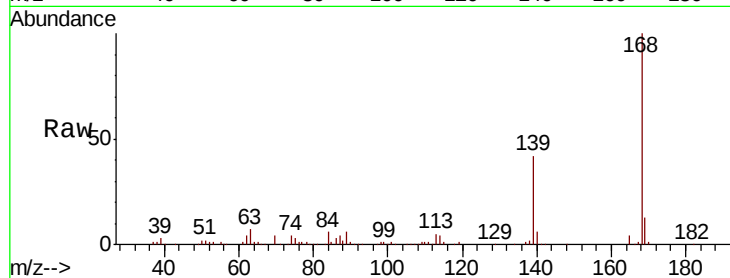




#55
Dibenzenofuran
Concen: 45.446 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

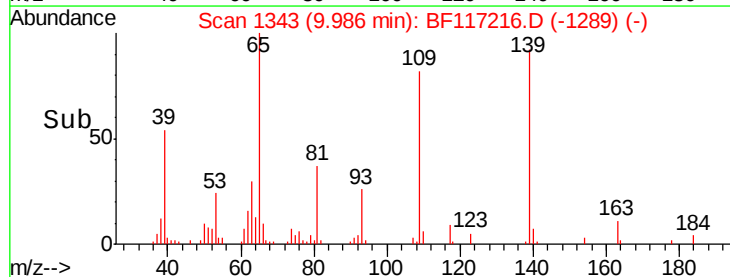
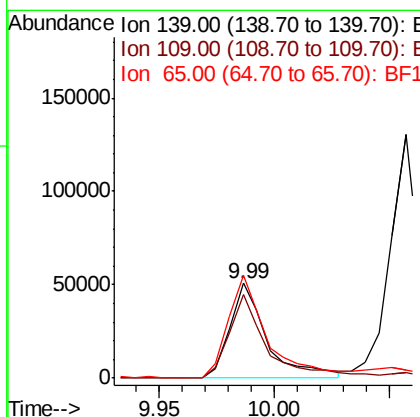
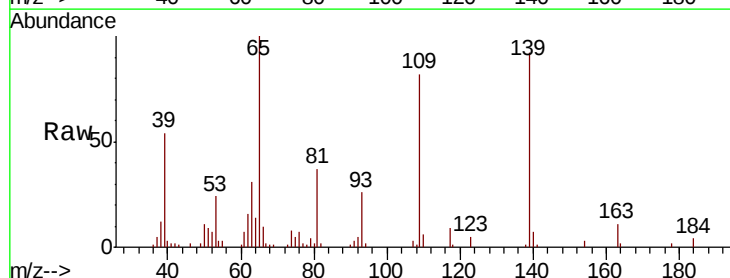
Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 262084
Ion Ratio Lower Upper
168 100
139 42.5 32.8 49.2
169 12.8 10.5 15.7



#56
4-Nitrophenol
Concen: 68.237 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.02 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion:139 Resp: 57211
Ion Ratio Lower Upper
139 100
109 88.4 56.4 96.4
65 108.3 82.5 122.5

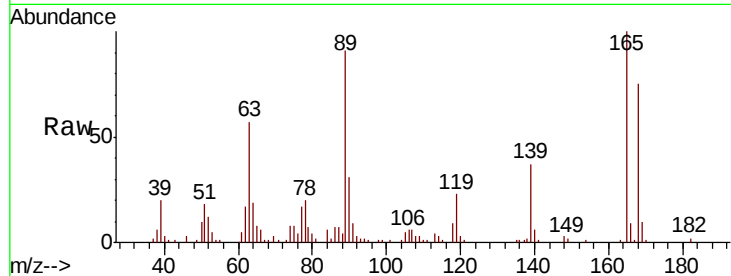




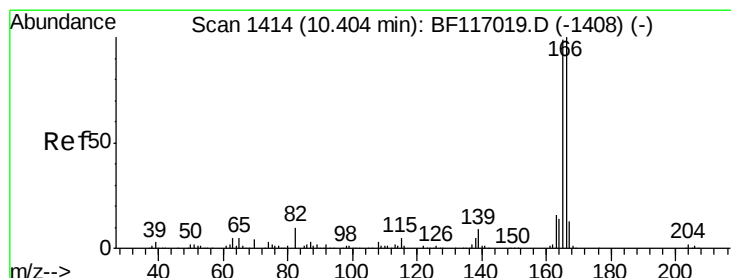
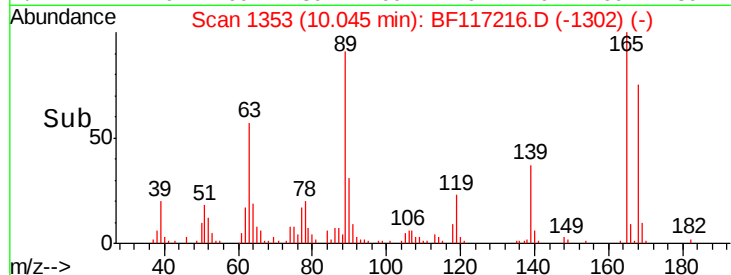
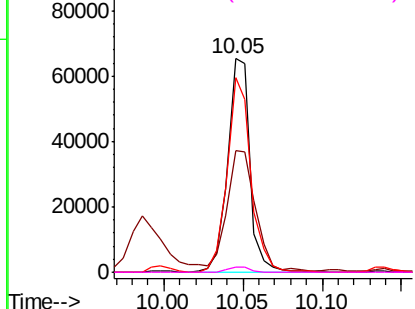
#57
 2,4-Dinitrotoluene
 Concen: 48.162 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 64100
 Ion Ratio Lower Upper
 165 100
 63 57.0 35.0 52.4#
 89 91.1 66.1 99.1
 182 2.3 2.0 3.0

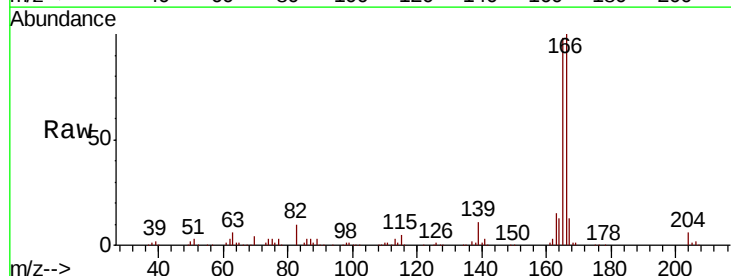


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

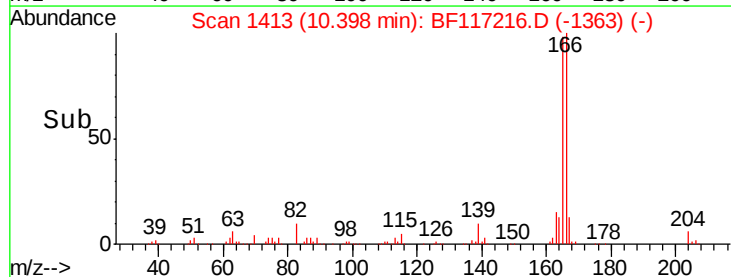
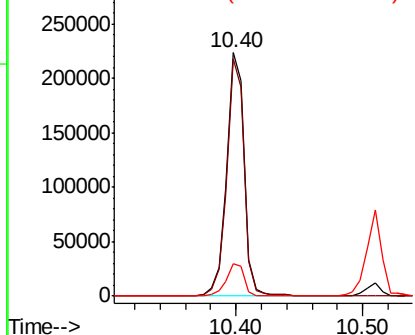


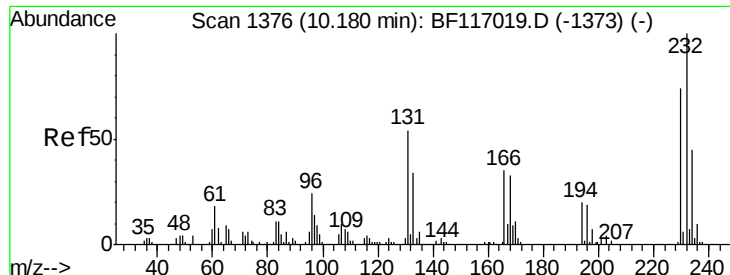
#58
 Fluorene
 Concen: 45.924 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Tgt Ion:166 Resp: 213340
 Ion Ratio Lower Upper
 166 100
 165 97.6 78.9 118.3
 167 13.5 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

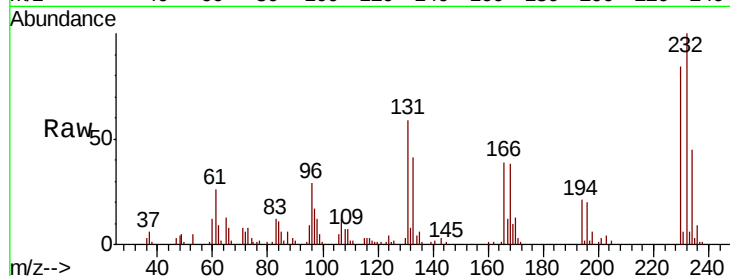




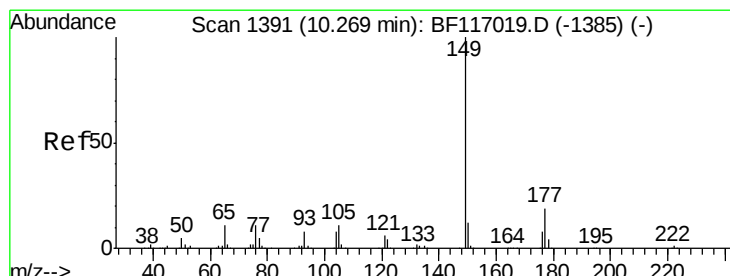
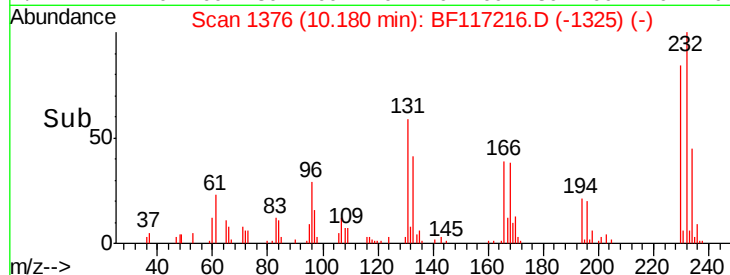
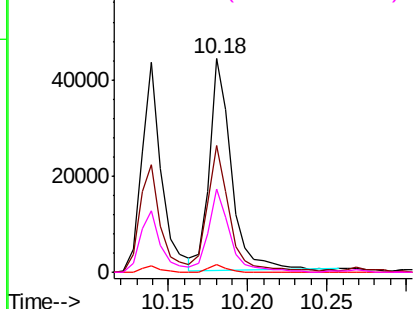
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.090 ng
RT: 10.18 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:232 Resp: 42877
Ion Ratio Lower Upper
232 100
131 61.7 45.3 67.9
130 2.7 1.8 2.8
166 39.2 29.4 44.2

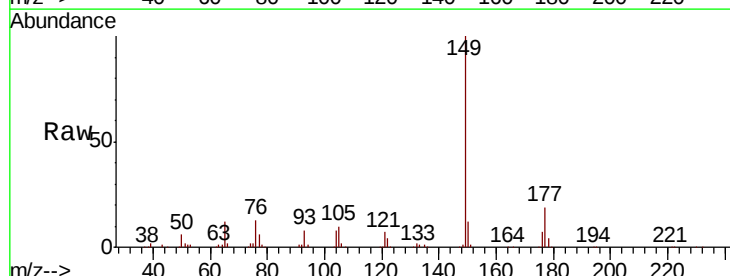


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

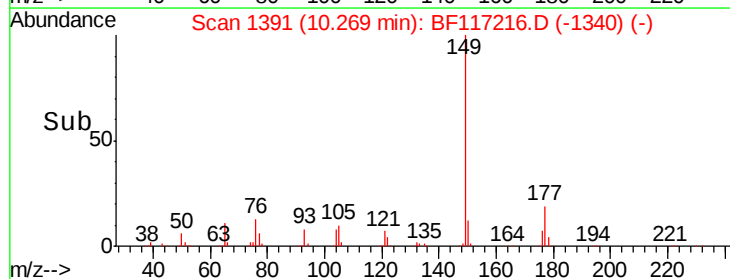
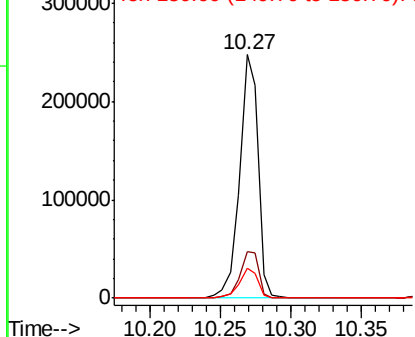


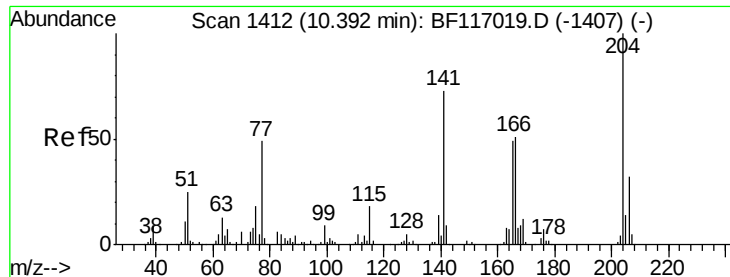
#60
Diethylphthalate
Concen: 45.451 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion:149 Resp: 225108
Ion Ratio Lower Upper
149 100
177 19.4 15.2 22.8
150 12.3 9.9 14.9



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

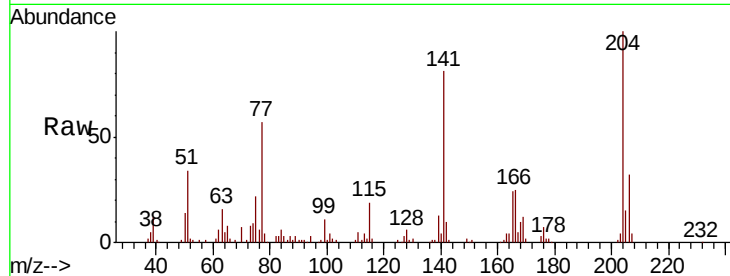




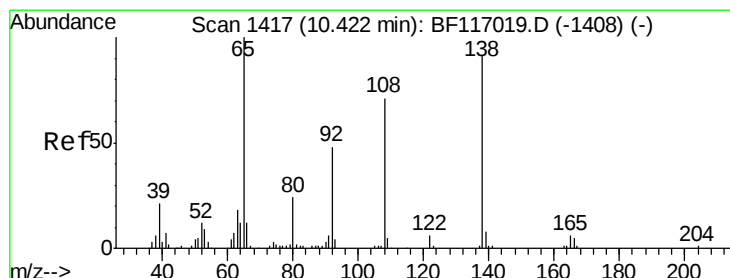
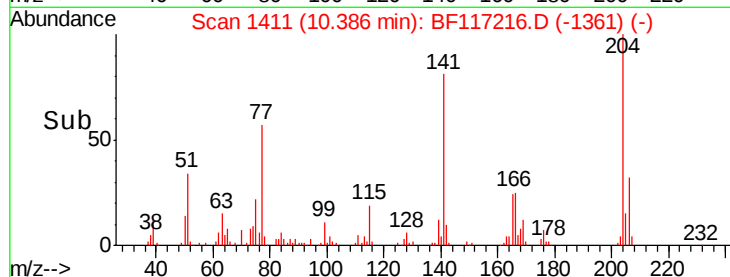
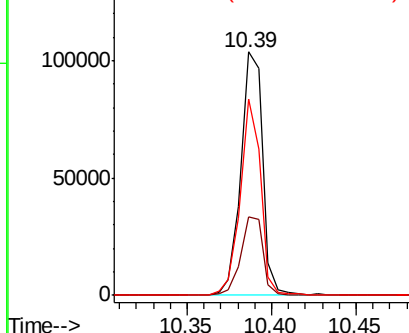
#61
4-Chlorophenyl-phenylether
Concen: 46.799 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:204 Resp: 94063
Ion Ratio Lower Upper
204 100
206 32.1 26.0 39.0
141 80.7 58.2 87.2

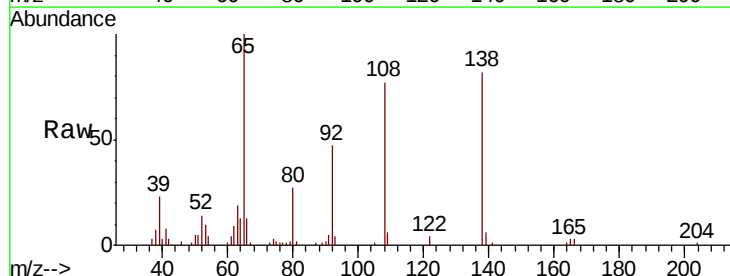


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

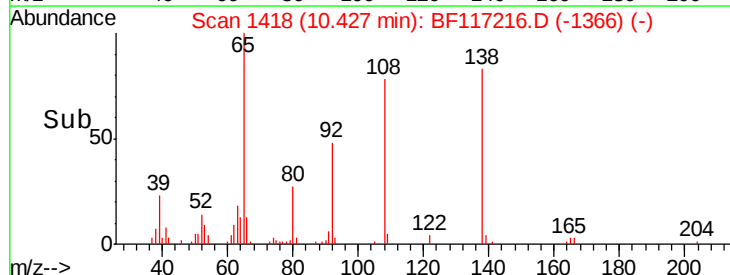
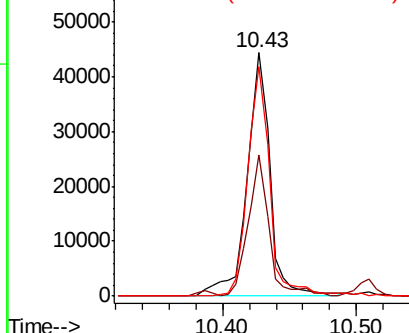


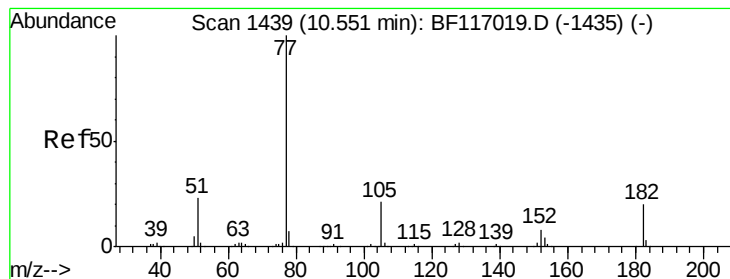
#62
4-Nitroaniline
Concen: 38.819 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion:138 Resp: 52224
Ion Ratio Lower Upper
138 100
92 57.9 32.9 72.9
108 94.0 58.3 98.3



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: 45.787 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 231613

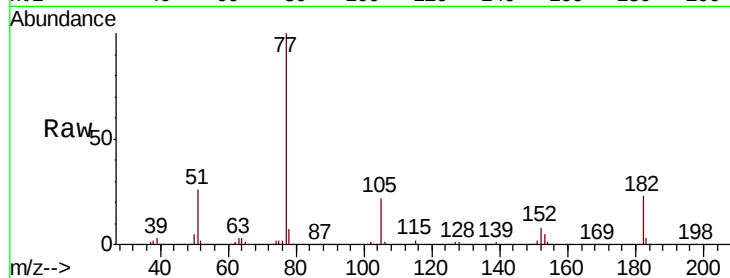
Ion Ratio Lower Upper

77 100

182 23.3 0.4 40.4

105 21.7 0.9 40.9

51 25.7 2.8 42.8

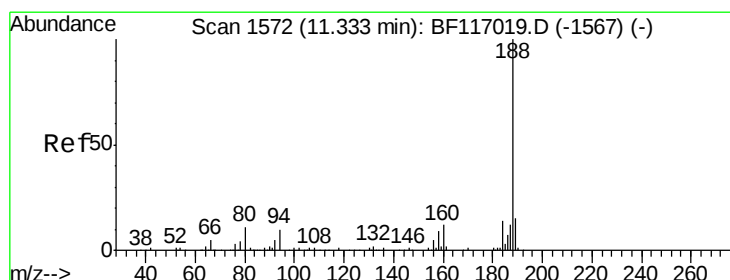
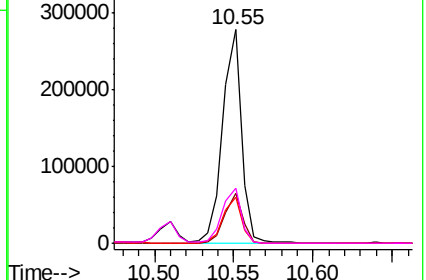
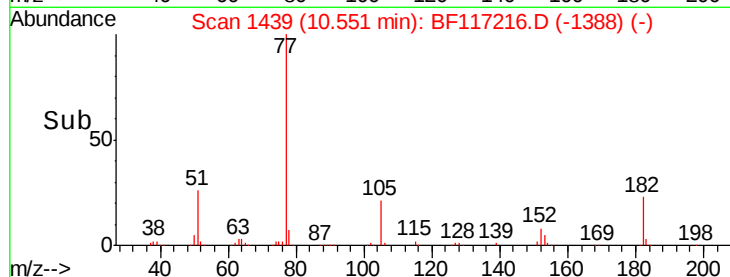


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

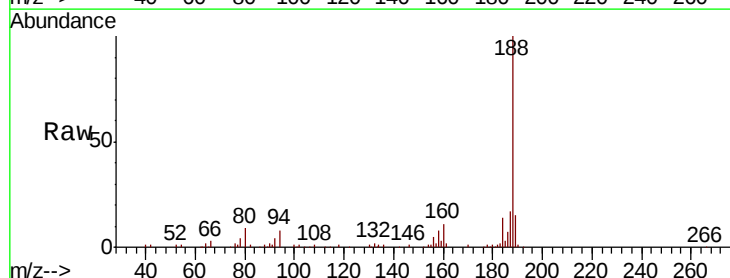
Tgt Ion: 188 Resp: 119607

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.2#

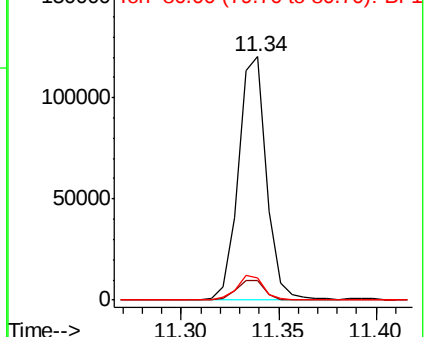
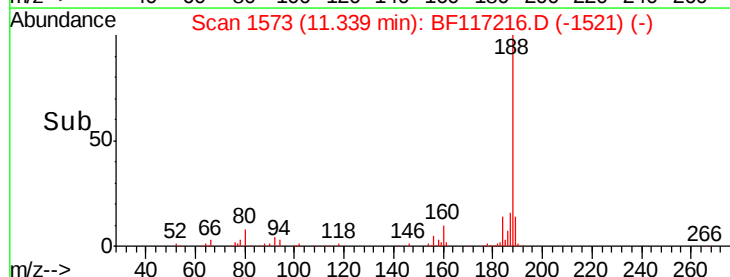
80 9.2 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

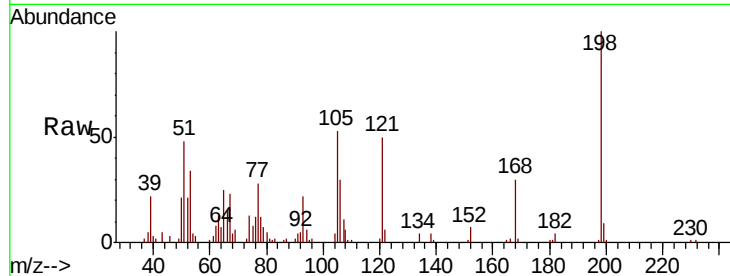




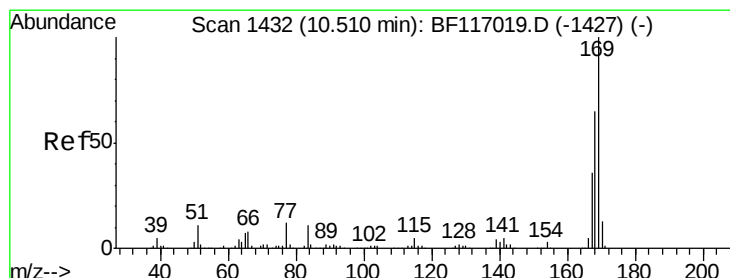
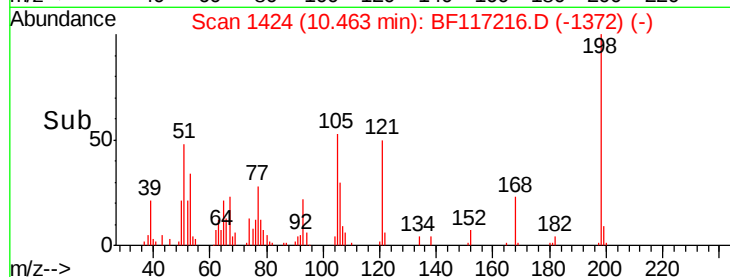
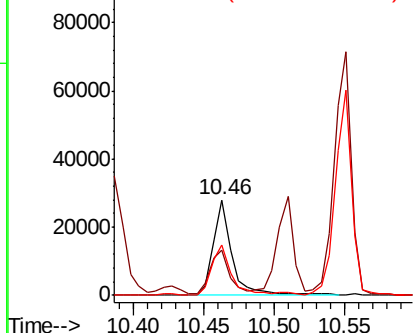
#65
4,6-Dinitro-2-methylphenol
Concen: 47.565 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 25882
Ion Ratio Lower Upper
198 100
51 47.8 18.7 58.7
105 53.4 30.2 70.2

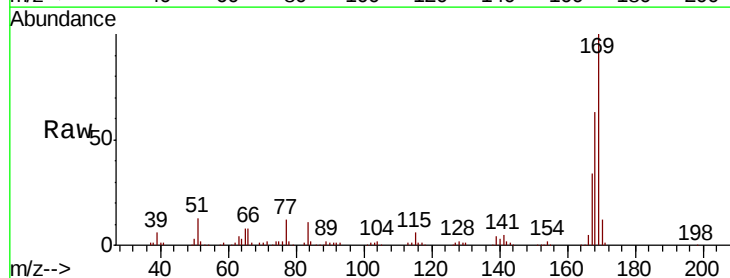


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

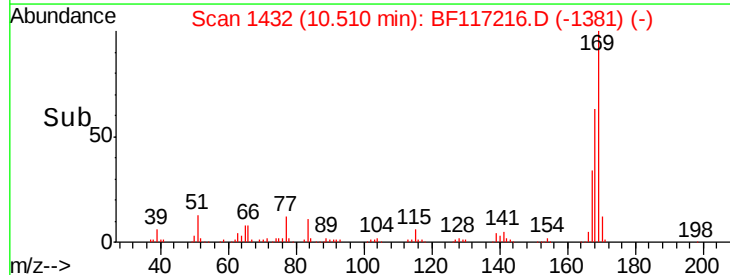
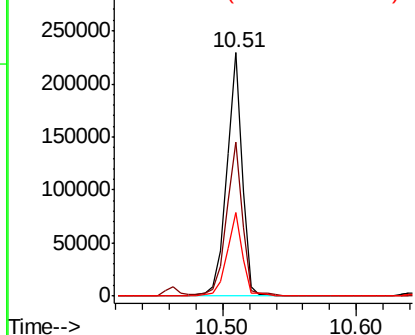


#66
n-Nitrosodiphenylamine
Concen: 45.470 ng
RT: 10.51 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion:169 Resp: 187824
Ion Ratio Lower Upper
169 100
168 63.4 52.2 78.2
167 34.2 28.8 43.2



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

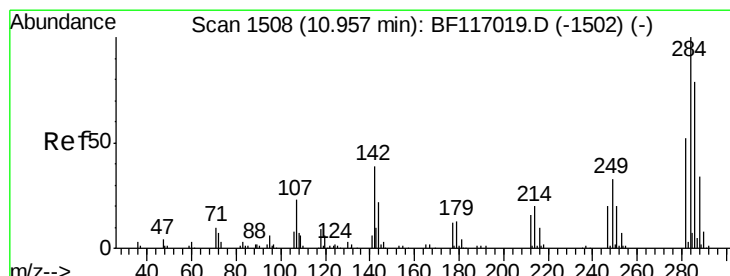
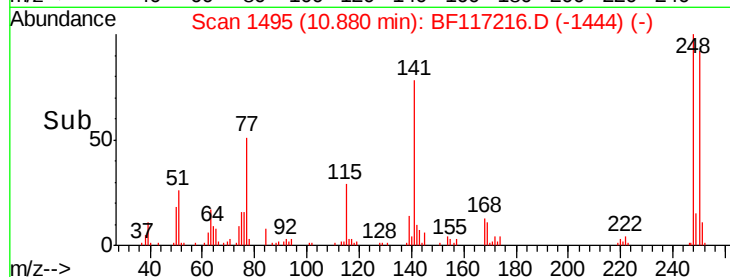
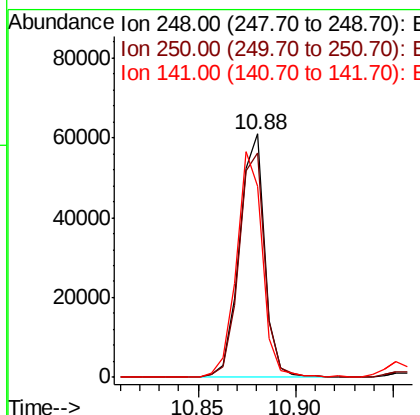
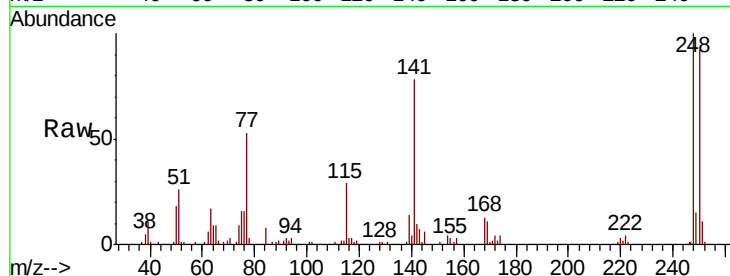




#67
 4-Bromophenyl-phenylether
 Concen: 44.767 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

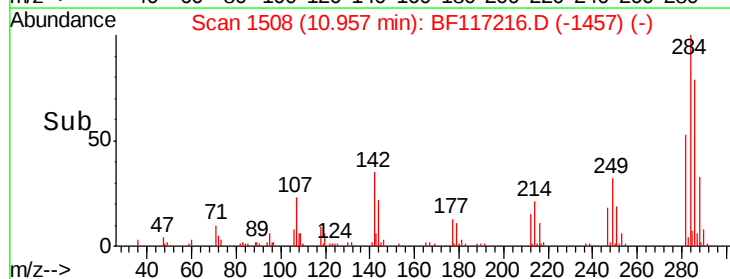
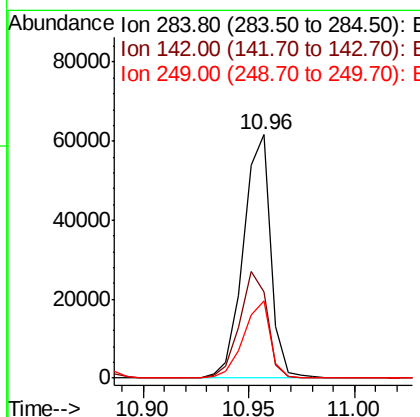
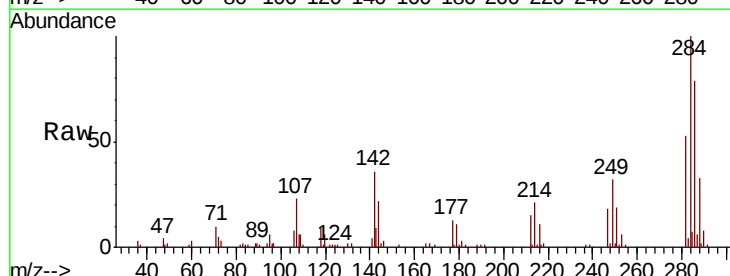
Instrument :
 BNA_F
 ClientSampleId :

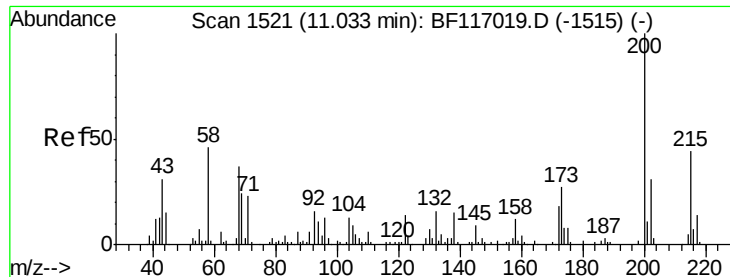
Tot Ion:248 Resp: 54682
 Ion Ratio Lower Upper
 248 100
 250 92.4 76.2 114.4
 141 78.3 75.0 112.4



#68
 Hexachlorobenzene
 Concen: 41.617 ng
 RT: 10.96 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Tgt Ion:284 Resp: 55601
 Ion Ratio Lower Upper
 284 100
 142 35.6 31.4 47.2
 249 31.5 26.5 39.7

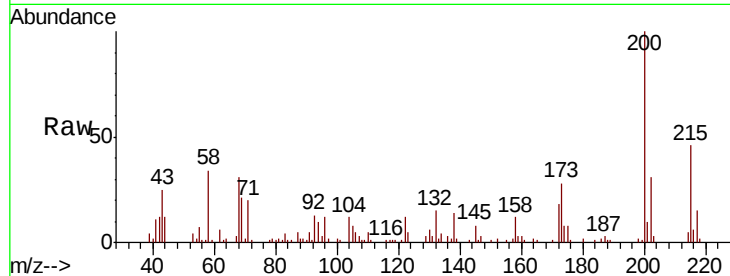




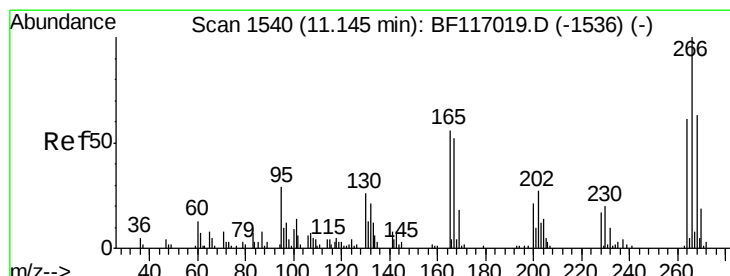
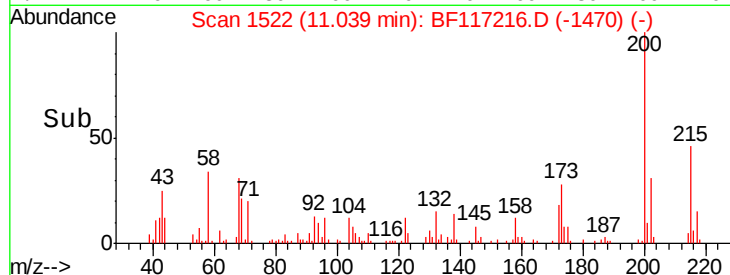
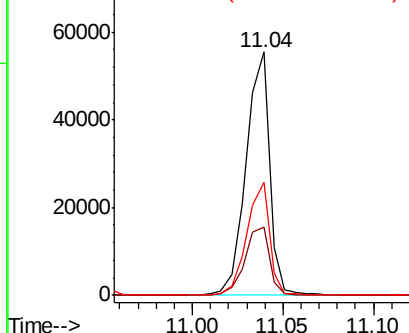
#69
 Atrazine
 Concen: 50.456 ng
 RT: 11.04 min Scan# 1522
 Delta R.T. 0.01 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.2	6.9	46.9
215	46.4	23.8	63.8

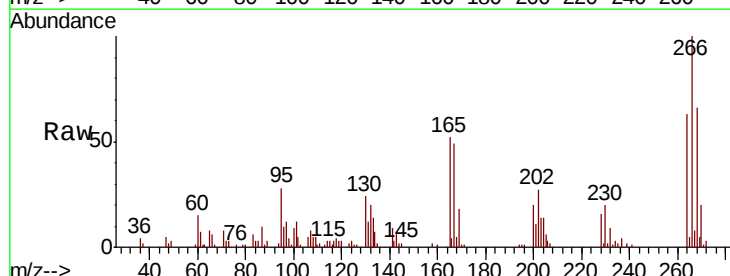


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

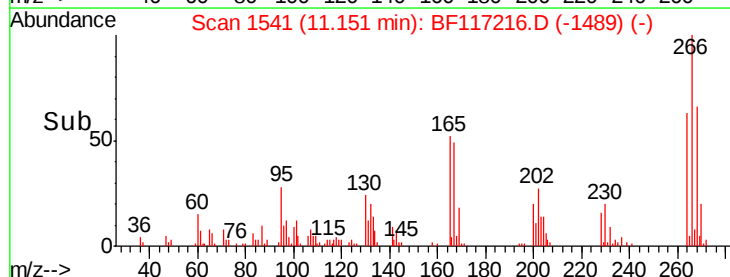
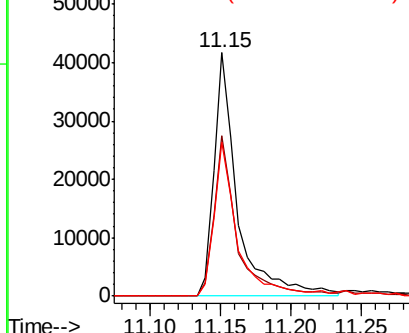


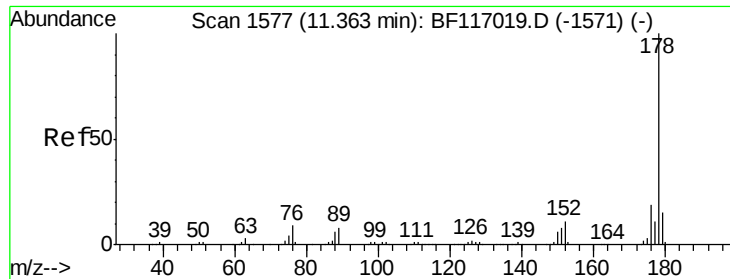
#70
 Pentachlorophenol
 Concen: 77.032 ng
 RT: 11.15 min Scan# 1541
 Delta R.T. 0.01 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.0	50.5	75.7
264	63.1	48.8	73.2



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

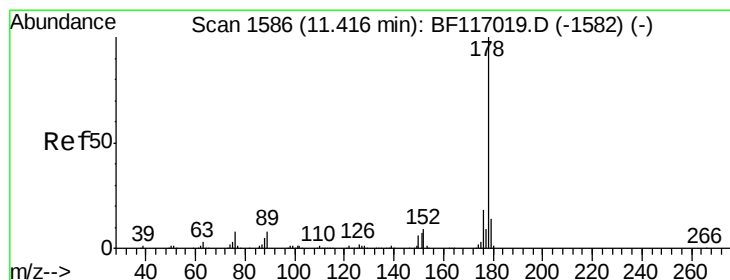
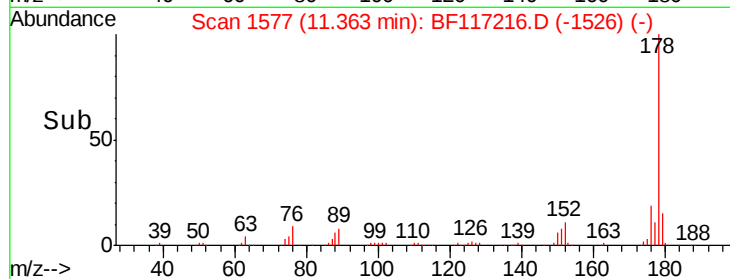
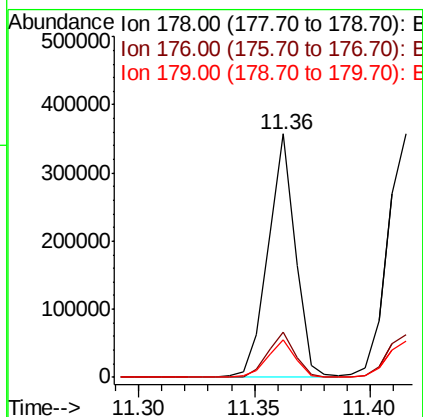
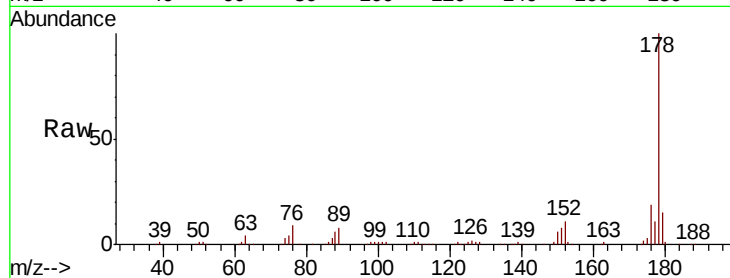




#71
Phenanthrene
Concen: 43.388 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

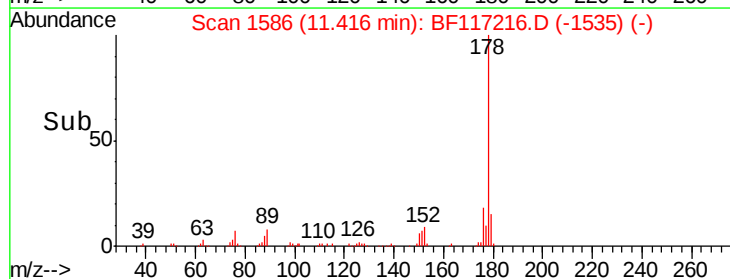
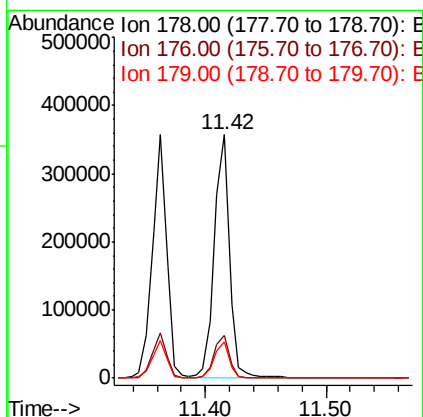
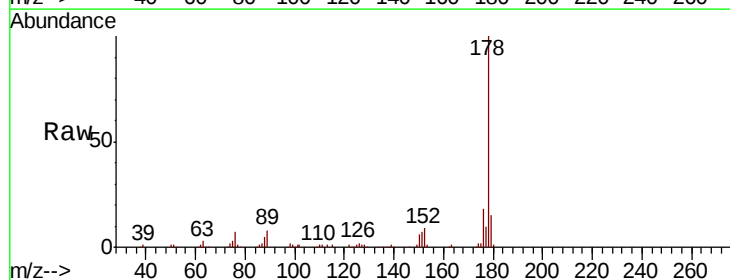
Instrument :
BNA_F
ClientSampled :

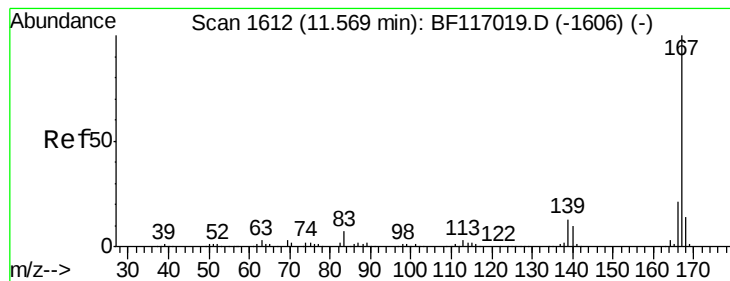
Tot Ion:178 Resp: 294764
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.3 12.4 18.6



#72
Anthracene
Concen: 44.658 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion:178 Resp: 309740
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 15.1 11.6 17.4





#73

Carbazole

Concen: 42.230 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

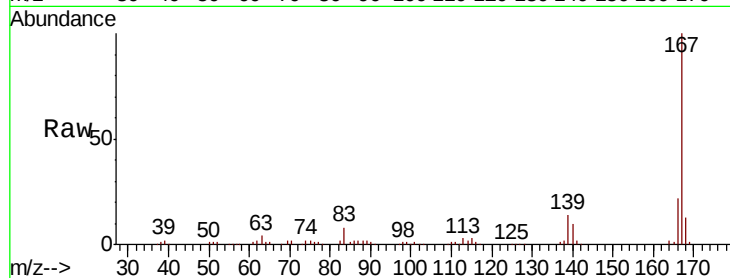
Tot Ion:167 Resp: 278018

Ion Ratio Lower Upper

167 100

166 21.9 17.2 25.8

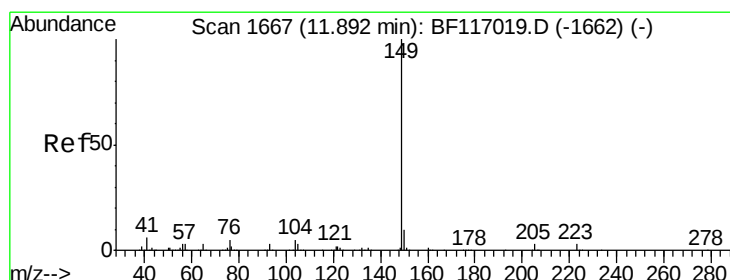
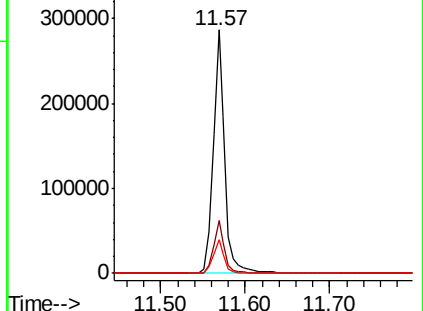
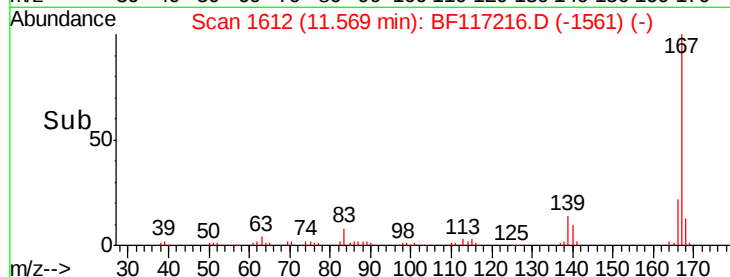
139 14.1 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 45.224 ng

RT: 11.89 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

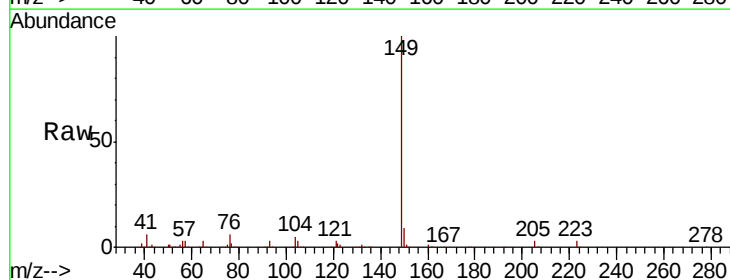
Tgt Ion:149 Resp: 354235

Ion Ratio Lower Upper

149 100

150 9.0 7.7 11.5

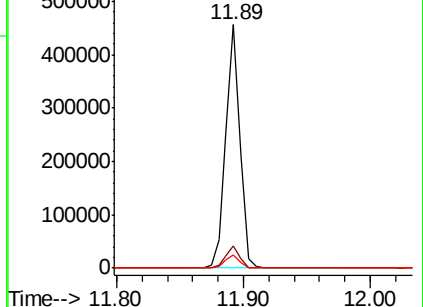
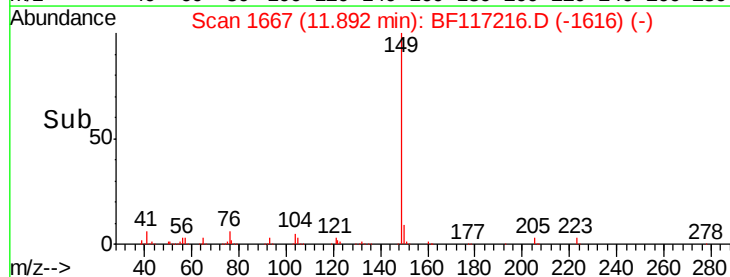
104 5.3 4.2 6.4

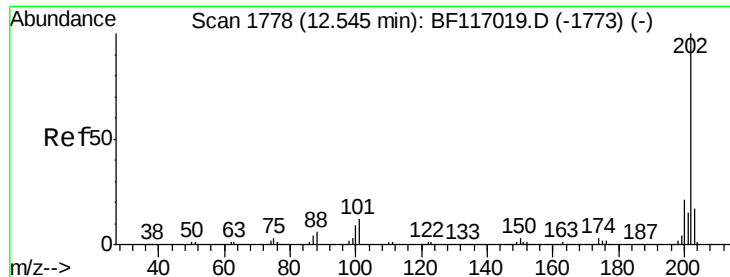


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

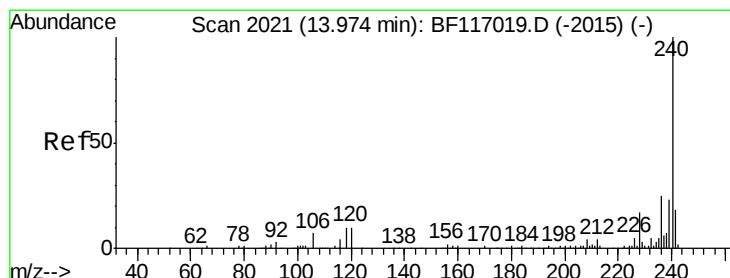
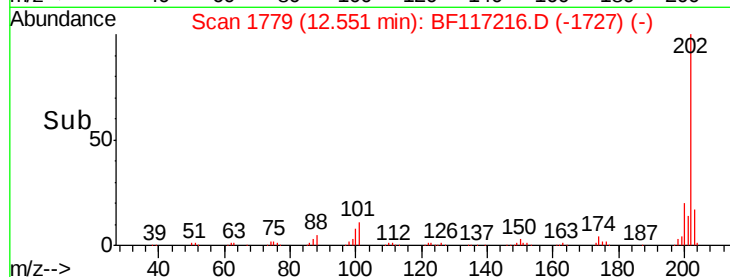
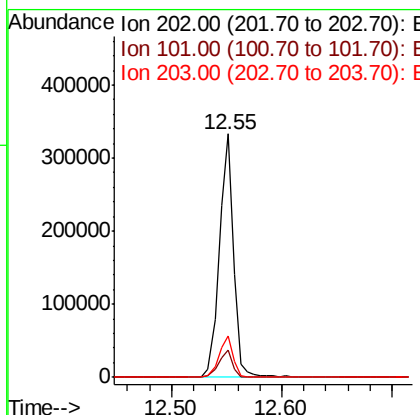
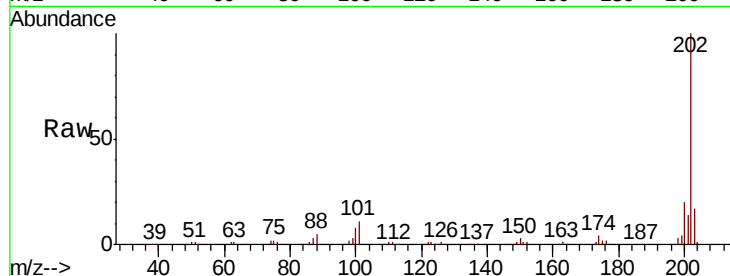




#75
 Fluoranthene
 Concen: 42.721 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

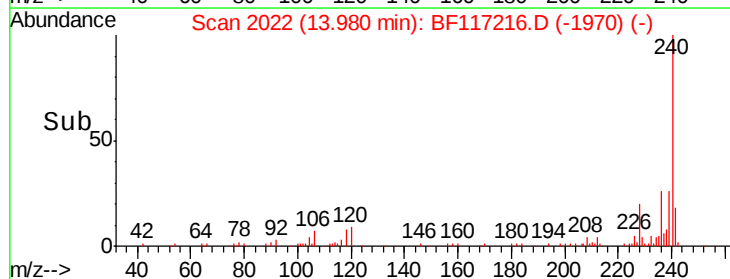
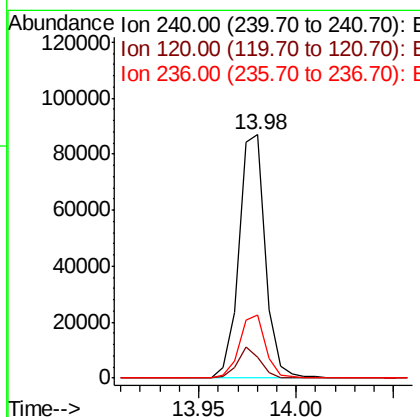
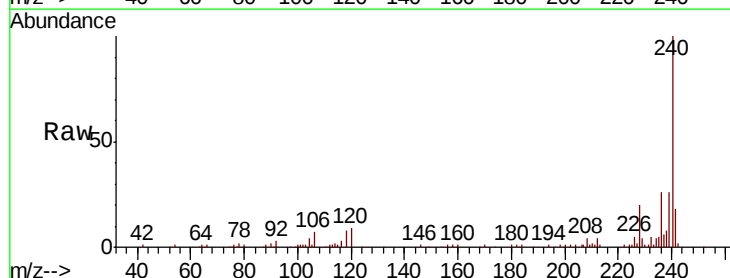
Instrument :
 BNA_F
 ClientSampleId :

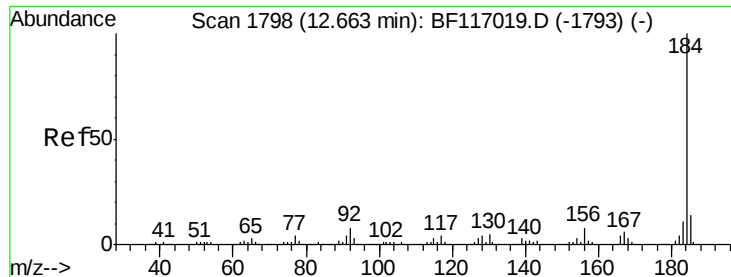
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	32.3
203	16.8	0.0	37.1



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.7	8.3	12.5
236	25.7	20.3	30.5





#77

Benzidine

Concen: 44.022 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

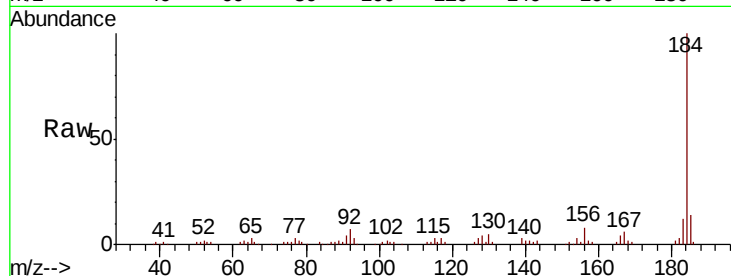
Tot Ion:184 Resp: 115406

Ion Ratio Lower Upper

184 100

185 13.7 11.6 17.4

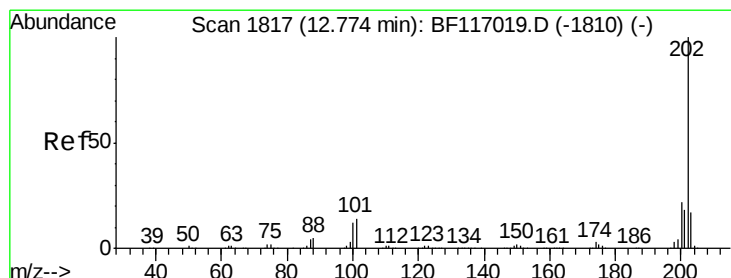
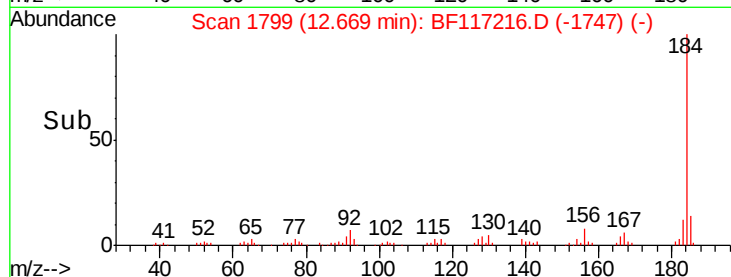
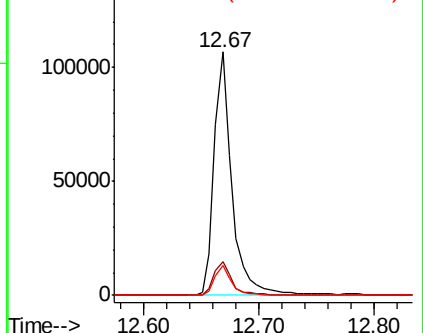
183 12.3 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.259 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

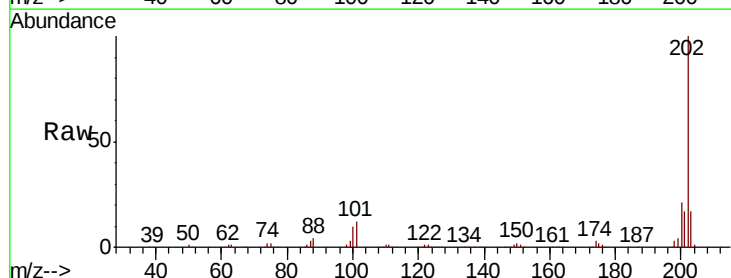
Tgt Ion:202 Resp: 302232

Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

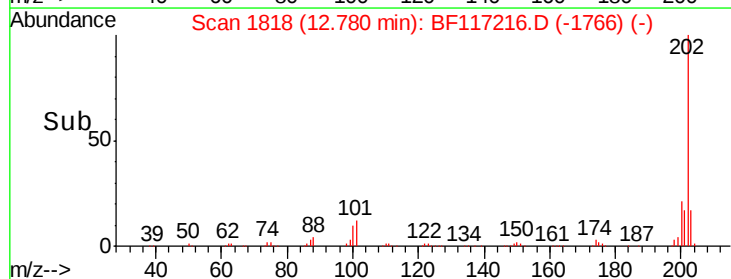
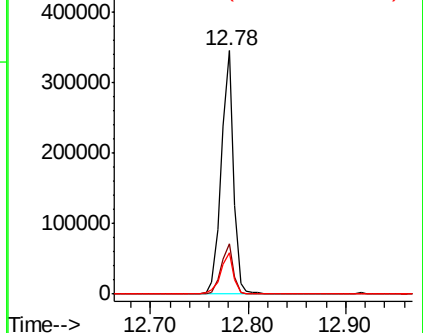
203 16.8 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

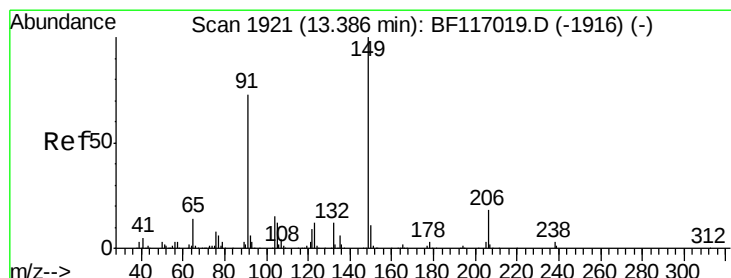
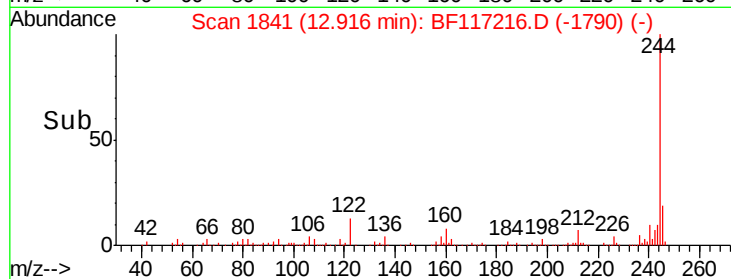
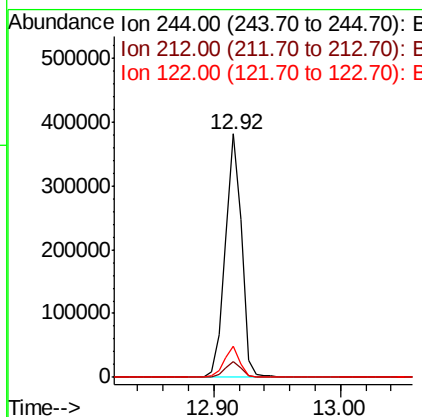
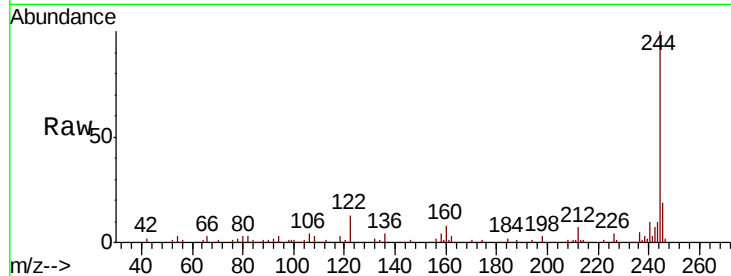




#79
 Terphenyl-d14
 Concen: 78.164 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

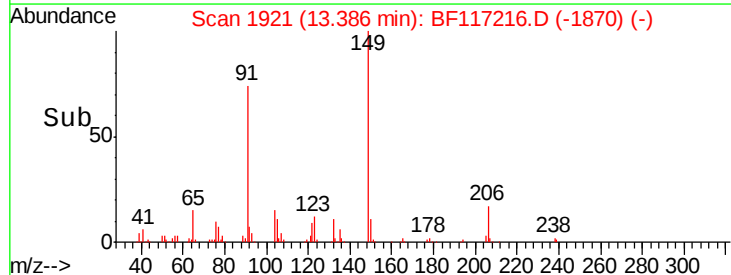
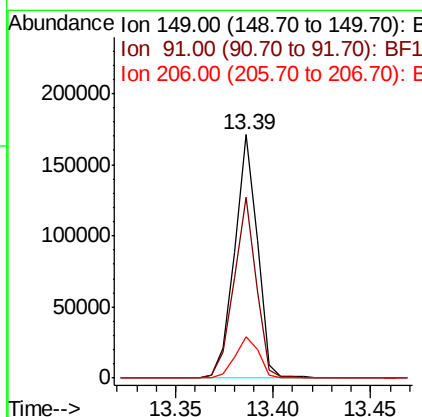
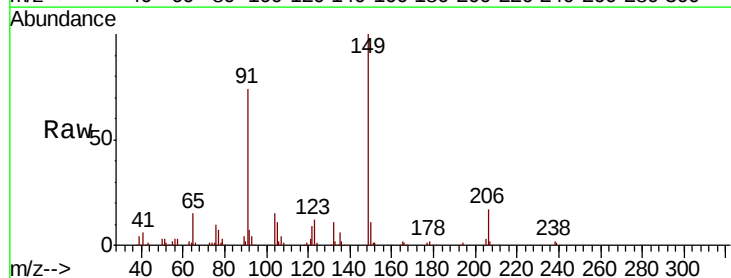
Instrument :
 BNA_F
 ClientSampled :

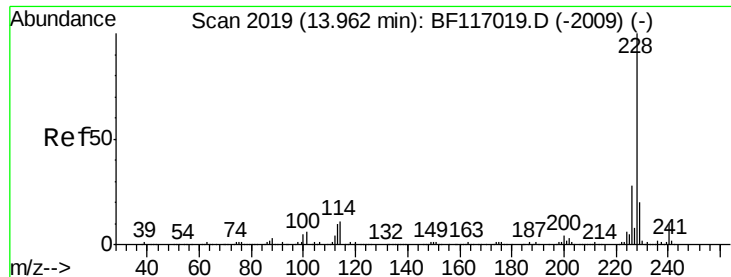
Tot Ion:244 Resp: 340314
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.8
 122 12.7 11.3 16.9



#80
 Butylbenzylphthalate
 Concen: 42.932 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Tgt Ion:149 Resp: 138527
 Ion Ratio Lower Upper
 149 100
 91 74.1 58.8 88.2
 206 17.0 14.1 21.1





#81

Benzo(a)anthracene

Concen: 41.551 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

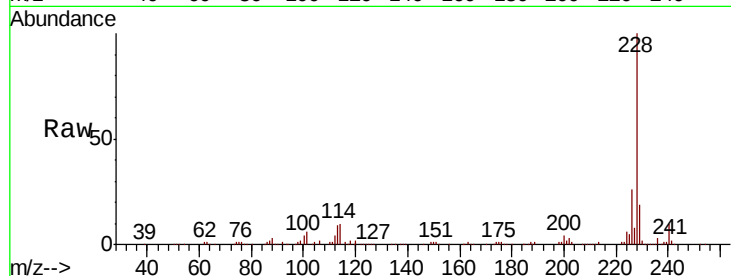
Tot Ion:228 Resp: 225928

Ion Ratio Lower Upper

228 100

226 25.9 22.3 33.5

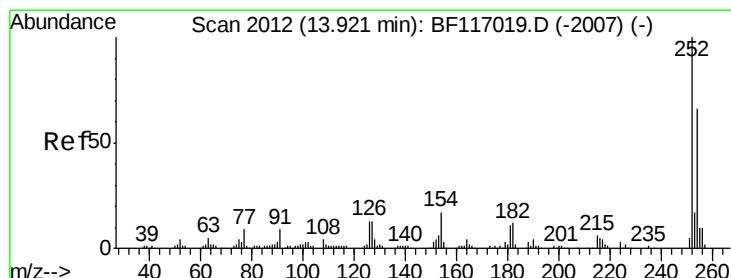
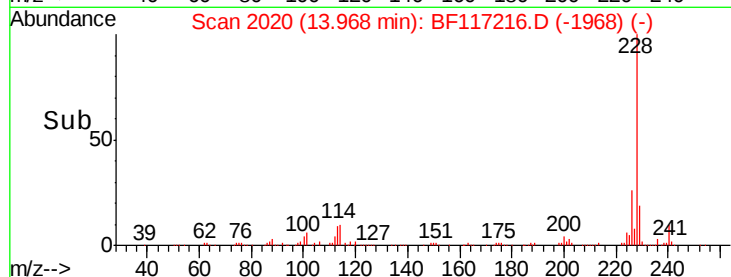
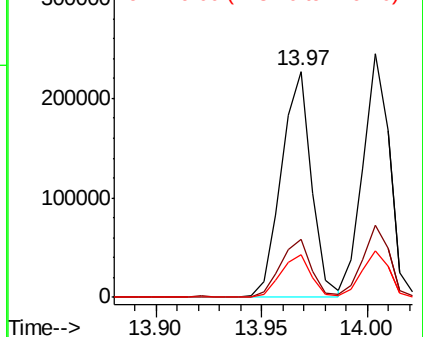
229 19.1 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 29.506 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

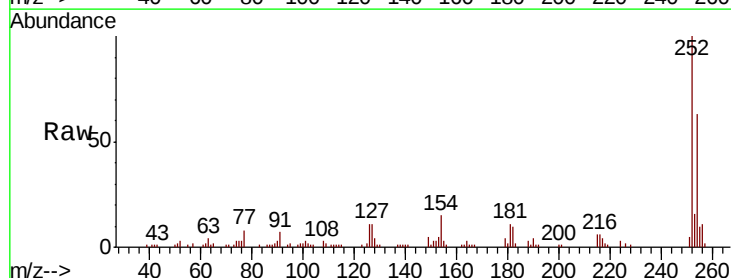
Tgt Ion:252 Resp: 51699

Ion Ratio Lower Upper

252 100

254 62.7 52.6 79.0

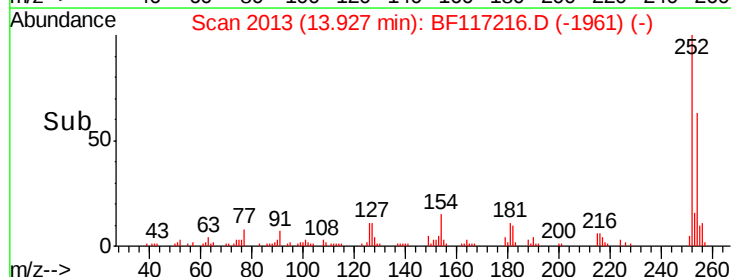
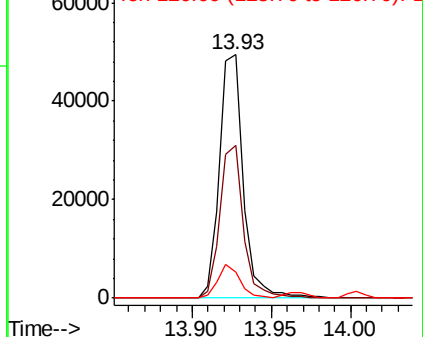
126 10.6 10.4 15.6

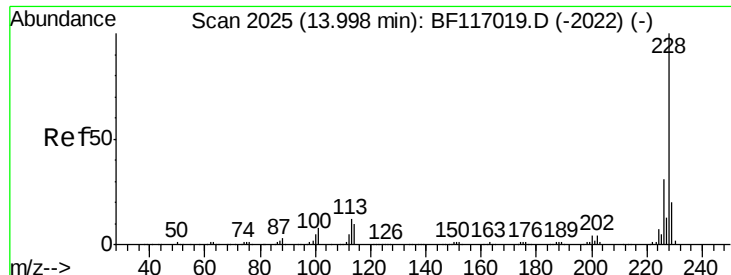


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

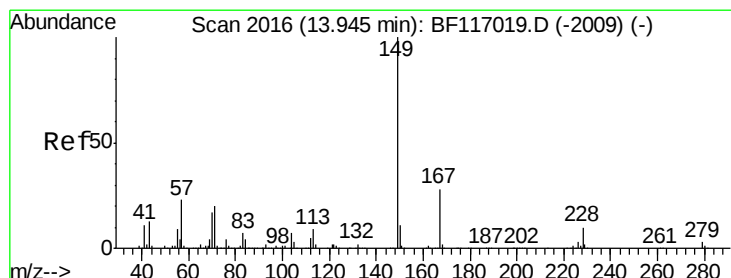
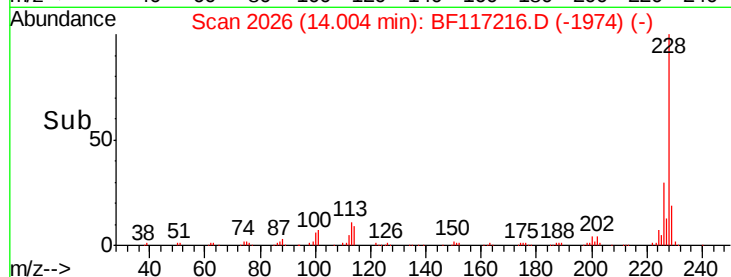
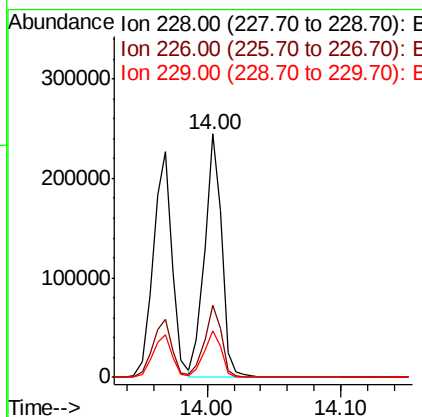
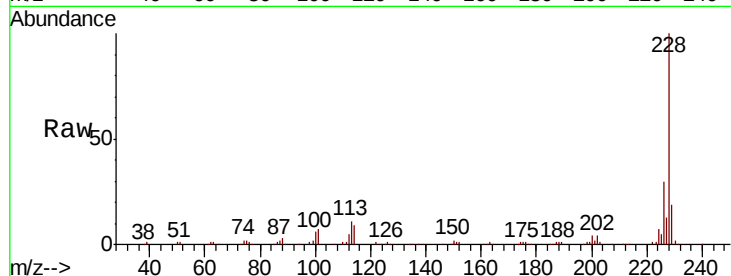




#83
 Chrysene
 Concen: 41.190 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

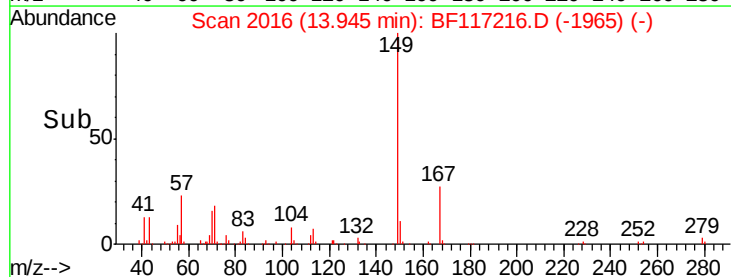
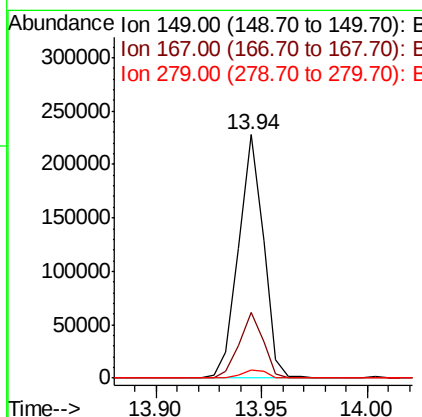
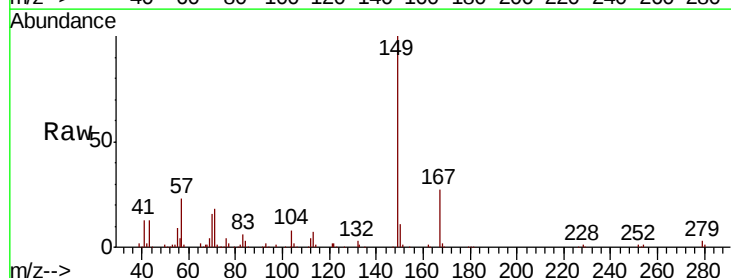
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:228 Resp: 218435
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.8 37.2
 229 19.3 15.8 23.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 44.690 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BF117216.D
 Acq: 24 Sep 2019 15:28

Tgt Ion:149 Resp: 185924
 Ion Ratio Lower Upper
 149 100
 167 26.9 22.2 33.2
 279 3.2 2.8 4.2

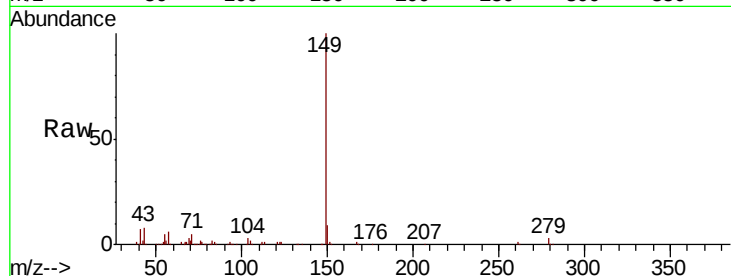




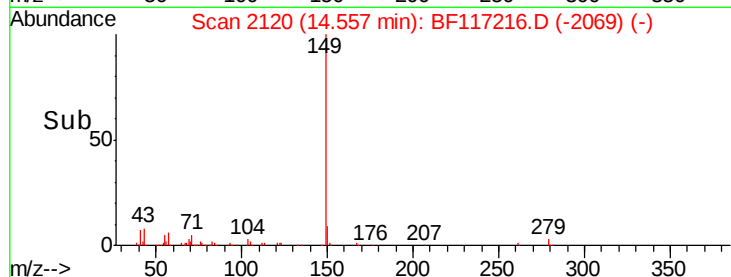
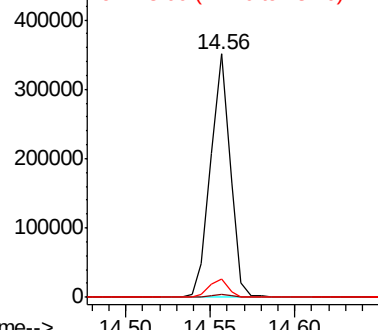
#85
Di-n-octyl phthalate
Concen: 43.353 ng
RT: 14.56 min Scan# 2120
Delta R.T. 0.00 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.7	6.2	9.4

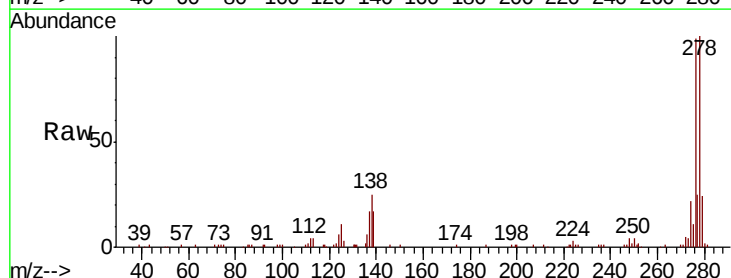


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

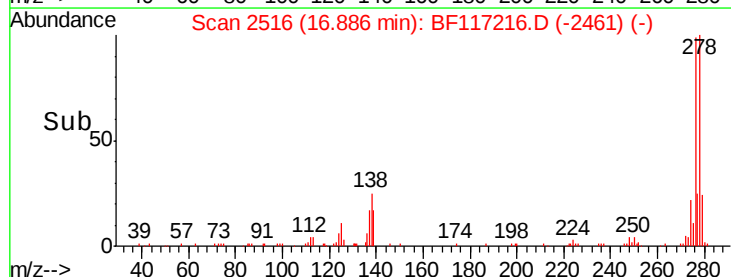
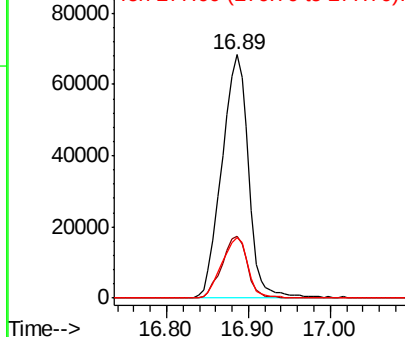


#86
Indeno(1,2,3-cd)pyrene
Concen: 40.274 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.02 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	20.7	31.1
277	24.2	19.8	29.8



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



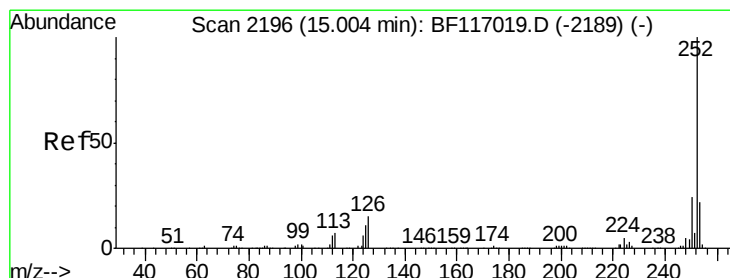
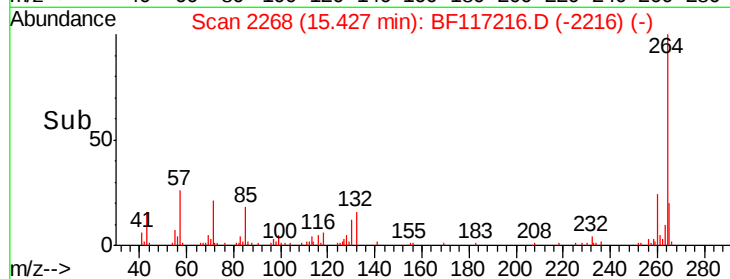
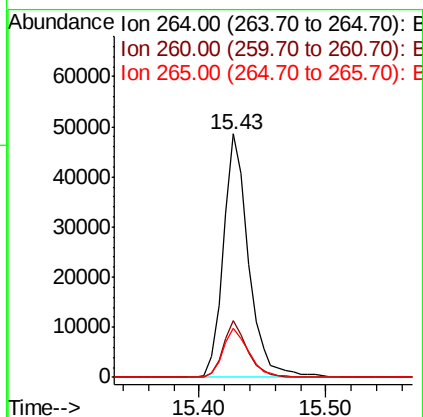
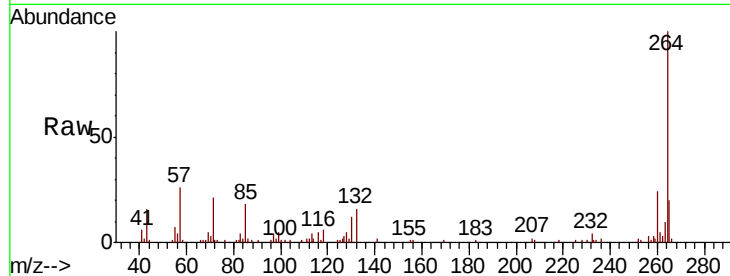


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 66805

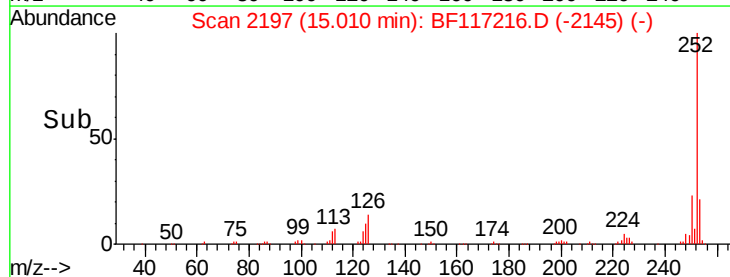
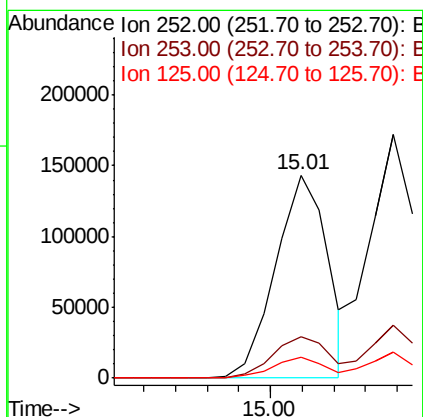
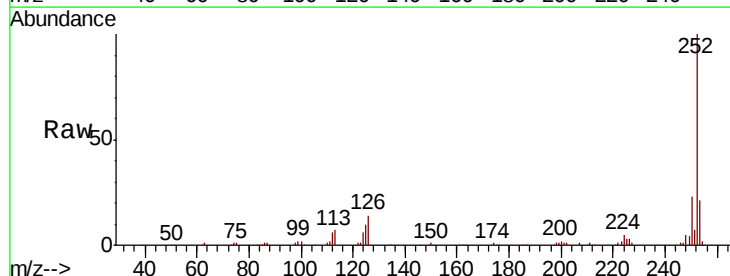
Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.6	26.4
265	20.2	16.6	24.8

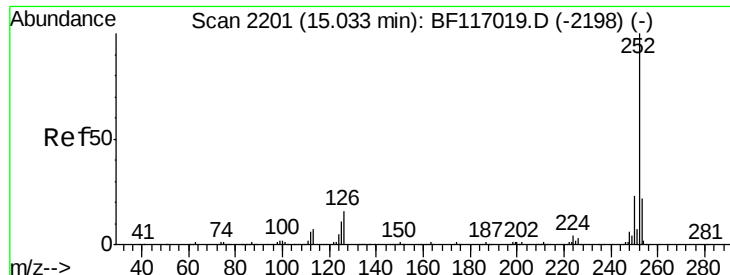


#88
Benzo(b)fluoranthene
Concen: 40.711 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion:252 Resp: 164740

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.6	26.4
125	10.1	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 46.504 ng

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

Instrument :

BNA_F

ClientSampleId :

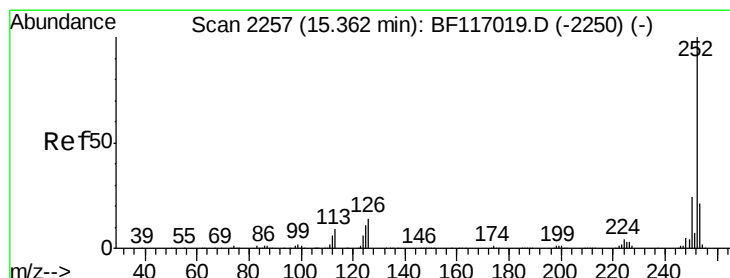
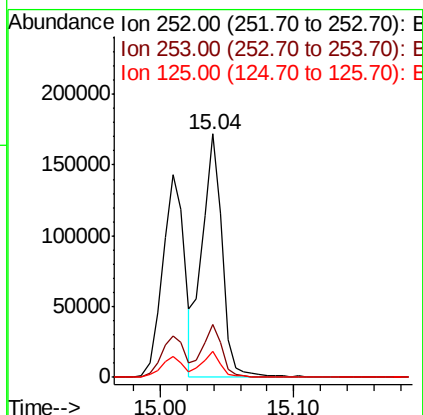
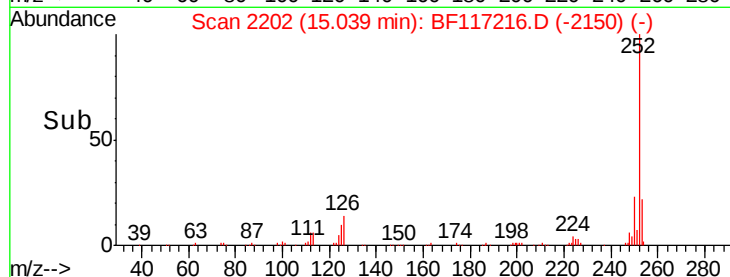
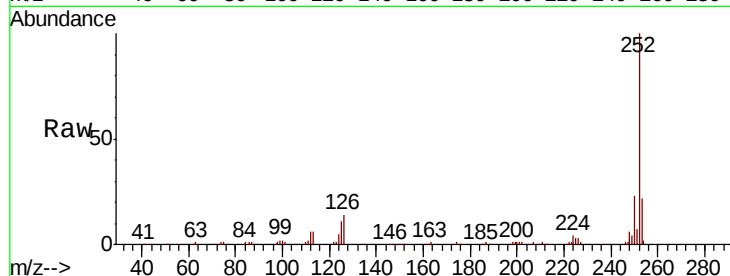
Tot Ion:252 Resp: 178263

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 10.5 8.8 13.2



#90

Benzo(a)pyrene

Concen: 43.899 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF117216.D

Acq: 24 Sep 2019 15:28

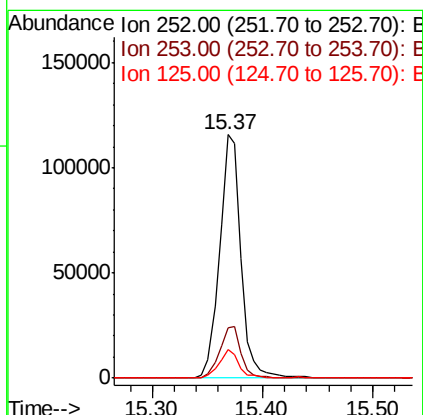
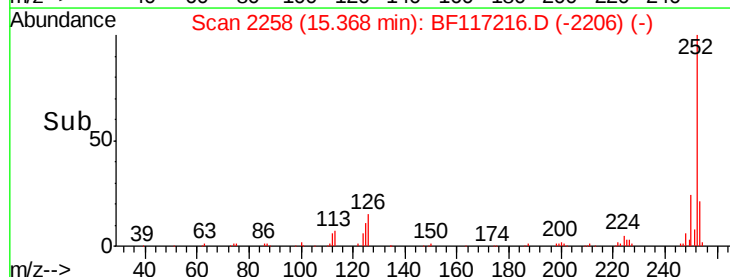
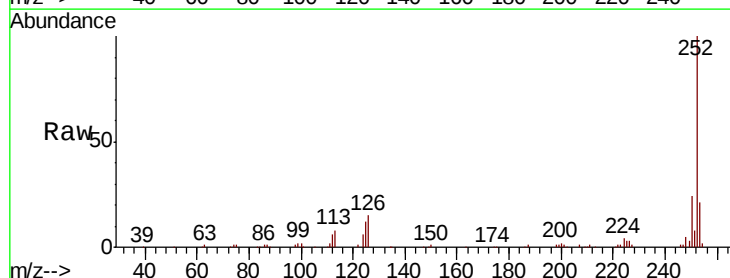
Tgt Ion:252 Resp: 155883

Ion Ratio Lower Upper

252 100

253 20.8 16.6 25.0

125 11.7 8.9 13.3

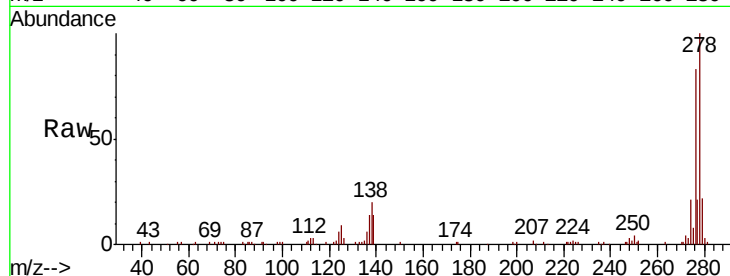




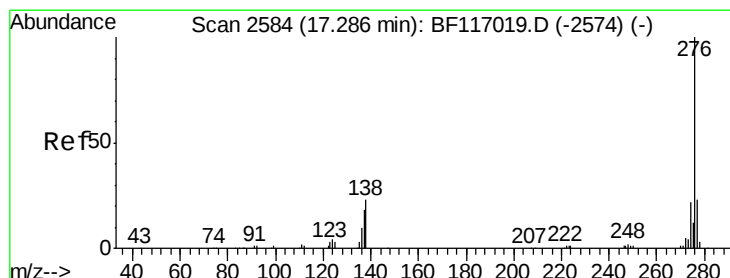
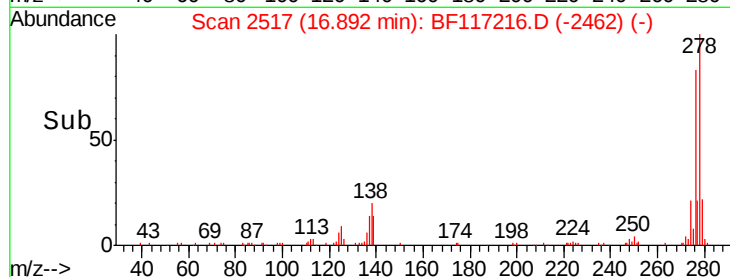
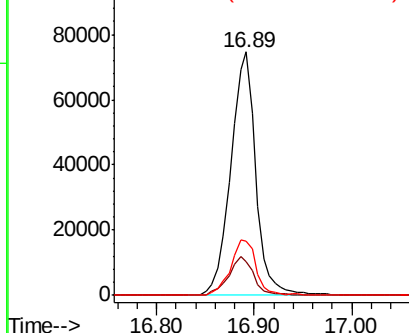
#91
Dibenzo(a,h)anthracene
Concen: 46.944 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.02 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.7	13.5	20.3
279	22.0	18.8	28.2

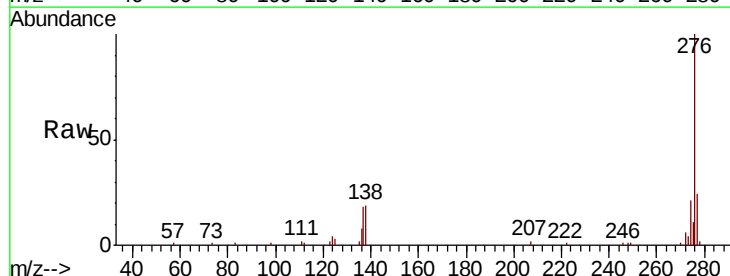


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 44.751 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.04 min
Lab File: BF117216.D
Acq: 24 Sep 2019 15:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	27.8
138	18.7	18.0	27.0



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

