

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
 Data File : BF117570.D
 Acq On : 28 Oct 2019 19:11
 Operator : JU
 Sample : K5501-13MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 29 14:06:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	42428	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	172477	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	85516	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	127985	20.00	ng	0.00
76) Chrysene-d12	13.89	240	72987	20.00	ng	0.00
87) Perylene-d12	15.32	264	79873	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	227819	79.88	ng	0.00
7) Phenol-d6	6.39	99	312279	81.53	ng	0.00
23) Nitrobenzene-d5	7.29	82	191178	54.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	52428	70.86	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	326646	53.82	ng	-0.01
79) Terphenyl-d14	12.83	244	241744	54.03	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.45	88	46715	38.960	ng	# 95
3) Pyridine	3.16	79	106851	36.402	ng	95
4) n-Nitrosodimethylamine	3.12	42	46180	43.367	ng	91
6) Aniline	6.39	93	110926	24.667	ng	# 38
8) 2-Chlorophenol	6.52	128	133941	44.508	ng	96
9) Benzaldehyde	6.28	77	78642	43.072	ng	97
10) Phenol	6.40	94	180149	46.080	ng	# 80
11) bis(2-Chloroethyl)ether	6.46	93	128921	44.583	ng	98
12) 1,3-Dichlorobenzene	6.67	146	137533	40.954	ng	97
13) 1,4-Dichlorobenzene	6.75	146	137924	40.485	ng	98
14) 1,2-Dichlorobenzene	6.90	146	132921	41.392	ng	99
15) Benzyl Alcohol	6.88	79	118421	43.272	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.00	45	127169	40.766	ng	# 41
17) 2-Methylphenol	7.00	107	108340	43.763	ng	# 88
18) Hexachloroethane	7.23	117	52082	39.167	ng	96
19) n-Nitroso-di-n-propylamine	7.15	70	99430	42.504	ng	97
20) 3+4-Methylphenols	7.16	107	146189	45.039	ng	# 66
22) Acetophenone	7.14	105	195022	42.582	ng	# 93
24) Nitrobenzene	7.32	77	148771	44.459	ng	97
25) Isophorone	7.55	82	265297	43.895	ng	97
26) 2-Nitrophenol	7.63	139	69186	46.358	ng	97
27) 2,4-Dimethylphenol	7.67	122	115414	51.746	ng	96
28) bis(2-Chloroethoxy)methane	7.76	93	158596	42.526	ng	99
29) 2,4-Dichlorophenol	7.89	162	104270	44.571	ng	99
30) 1,2,4-Trichlorobenzene	7.95	180	107405	42.782	ng	99
31) Naphthalene	8.03	128	386177	45.172	ng	99
32) Benzoic acid	7.84	122	56920	37.259	ng	95
33) 4-Chloroaniline	8.09	127	49221	13.642	ng	98
34) Hexachlorobutadiene	8.15	225	57327	39.452	ng	97
35) Caprolactam	8.46	113	22792	30.328	ng	94
36) 4-Chloro-3-methylphenol	8.59	107	118013	44.232	ng	97
37) 2-Methylnaphthalene	8.72	142	260575	45.234	ng	97
38) 1-Methylnaphthalene	8.82	142	239474	44.240	ng	97
40) 1,2,4,5-Tetrachlorobenzene	8.89	216	96637	41.956	ng	99

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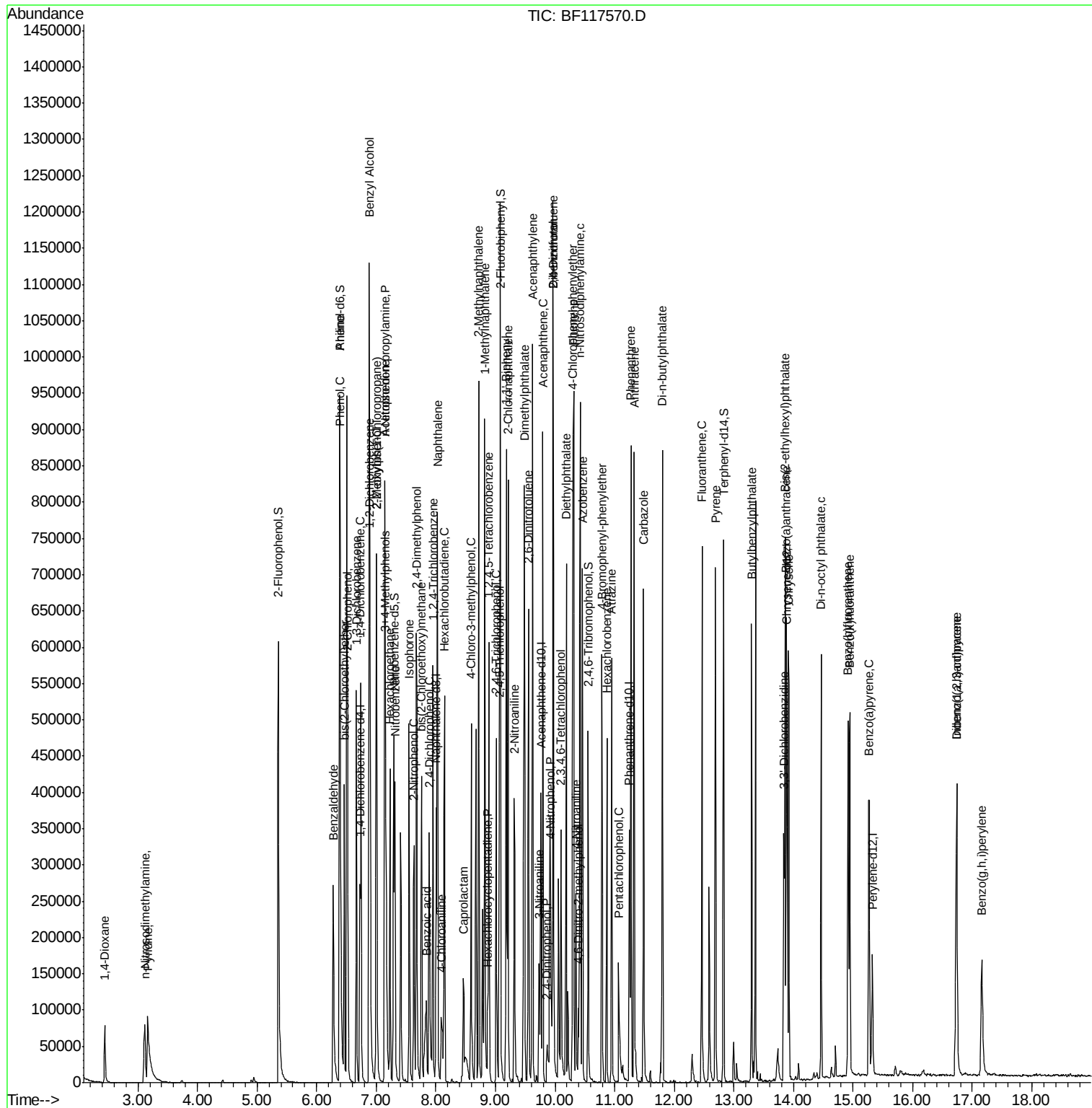
Instrument :
 BNA_E
 ClientSampleId :

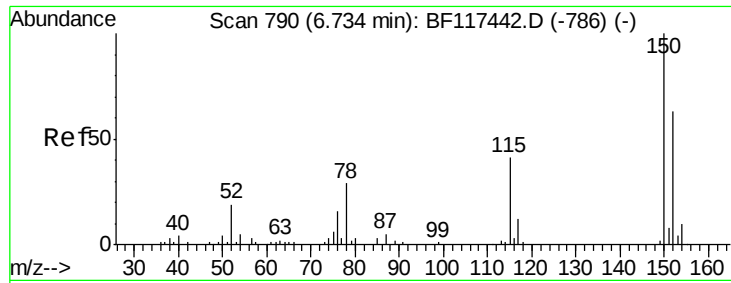
Quant Time: Oct 29 14:06:44 2019
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.87	237	11737	30.950	ng	94
43) 2,4,6-Trichlorophenol	9.01	196	64212	44.518	ng	99
44) 2,4,5-Trichlorophenol	9.06	196	66259	45.333	ng	93
46) 1,1'-Biphenyl	9.19	154	296953	41.945	ng	99
47) 2-Chloronaphthalene	9.21	162	228902	42.883	ng	98
48) 2-Nitroaniline	9.32	65	75522	43.098	ng	90
49) Acenaphthylene	9.62	152	361029	46.047	ng	99
50) Dimethylphthalate	9.49	163	306908	50.343	ng	99
51) 2,6-Dinitrotoluene	9.56	165	57915	45.525	ng	# 87
52) Acenaphthene	9.79	154	210104	43.678	ng	97
53) 3-Nitroaniline	9.73	138	33678	21.819	ng	94
54) 2,4-Dinitrophenol	9.86	184	13840	29.321	ng	94
55) Dibenzofuran	9.97	168	307948	44.187	ng	98
56) 4-Nitrophenol	9.93	139	42256	60.532	ng	97
57) 2,4-Dinitrotoluene	9.97	165	73752	43.605	ng	# 85
58) Fluorene	10.31	166	250952	43.543	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.10	232	49459	43.055	ng	98
60) Diethylphthalate	10.19	149	259730	42.121	ng	99
61) 4-Chlorophenyl-phenylether	10.30	204	111379	43.075	ng	96
62) 4-Nitroaniline	10.35	138	48783	33.530	ng	97
63) Azobenzene	10.46	77	276160	43.749	ng	97
65) 4,6-Dinitro-2-methylphenol	10.39	198	15749	24.203	ng	91
66) n-Nitrosodiphenylamine	10.42	169	217850	46.560	ng	98
67) 4-Bromophenyl-phenylether	10.79	248	60168	43.646	ng	97
68) Hexachlorobenzene	10.87	284	61238	41.479	ng	# 89
69) Atrazine	10.95	200	63277	53.155	ng	97
70) Pentachlorophenol	11.07	266	27016	61.042	ng	98
71) Phenanthrene	11.27	178	328351	44.183	ng	98
72) Anthracene	11.33	178	347481	45.570	ng	100
73) Carbazole	11.49	167	301058	43.202	ng	99
74) Di-n-butylphthalate	11.80	149	401184	43.086	ng	99
75) Fluoranthene	12.46	202	285382	38.360	ng	98
77) Benzidine	12.59	184	124998	Below	Cal	98
78) Pyrene	12.69	202	277712	44.298	ng	100
80) Butylbenzylphthalate	13.30	149	134924	43.249	ng	97
81) Benzo(a)anthracene	13.88	228	223535	45.404	ng	99
82) 3,3'-Dichlorobenzidine	13.84	252	66069	42.766	ng	97
83) Chrysene	13.92	228	218659	45.317	ng	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	185902	42.540	ng	# 97
85) Di-n-octyl phthalate	14.47	149	296271	44.094	ng	99
86) Indeno(1,2,3-cd)pyrene	16.74	276	180139	50.004	ng	99
88) Benzo(b)fluoranthene	14.92	252	204998	43.463	ng	99
89) Benzo(k)fluoranthene	14.94	252	208220	43.072	ng	98
90) Benzo(a)pyrene	15.27	252	188828	44.033	ng	99
91) Dibenzo(a,h)anthracene	16.73	278	154122	41.564	ng	# 97
92) Benzo(g,h,i)perylene	17.16	276	139811	39.850	ng	96

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

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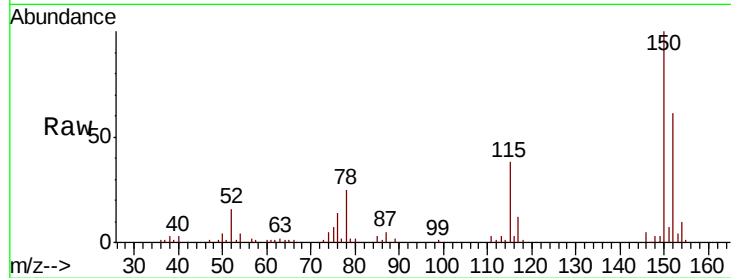


#1

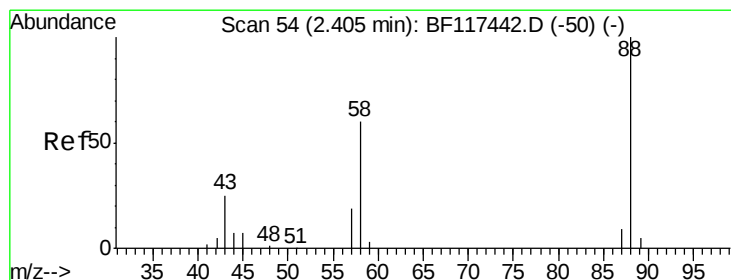
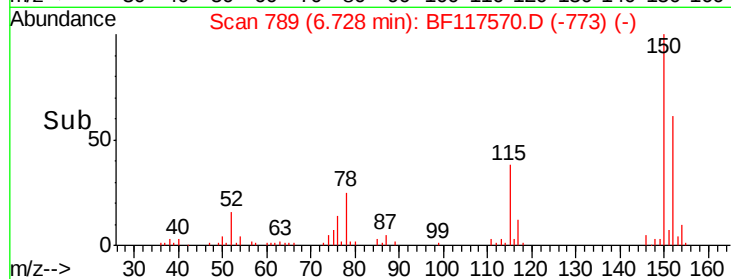
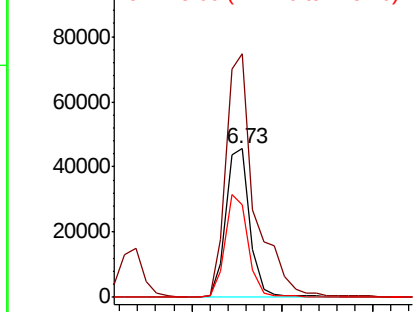
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 42428
Ion Ratio Lower Upper
152 100
150 163.8 126.8 190.2
115 62.3 51.6 77.4



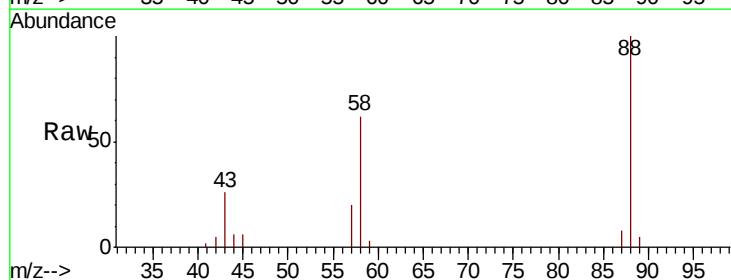
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



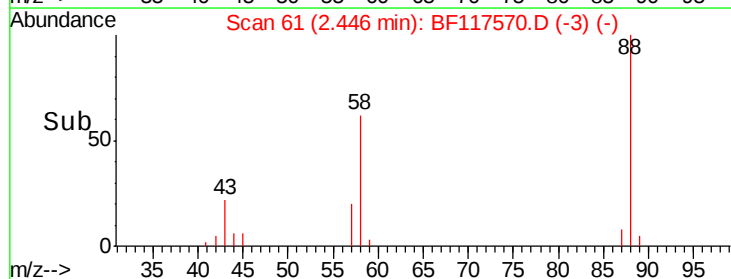
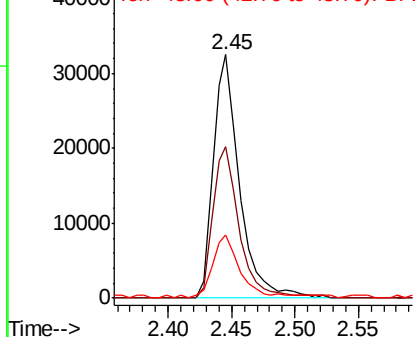
#2

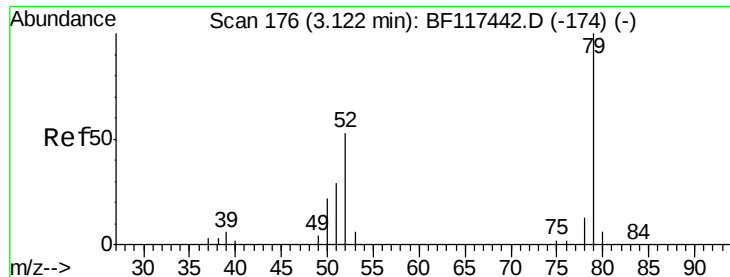
1,4-Dioxane
Concen: 38.960 ng
RT: 2.45 min Scan# 61
Delta R.T. 0.04 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion: 88 Resp: 46715
Ion Ratio Lower Upper
88 100
58 63.4 48.8 73.2
43 27.8 18.5 27.7#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 36.402 ng

RT: 3.16 min Scan# 183

Delta R.T. 0.04 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampleId :

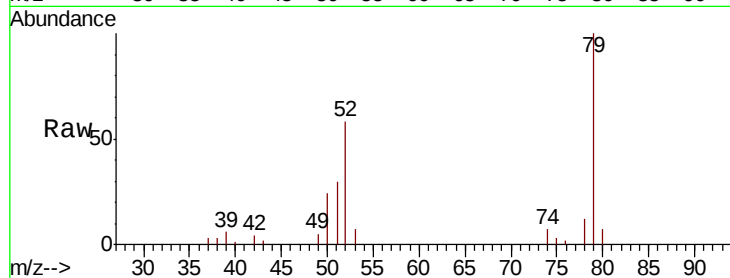
Tot Ion: 79 Resp: 106851

Ion Ratio Lower Upper

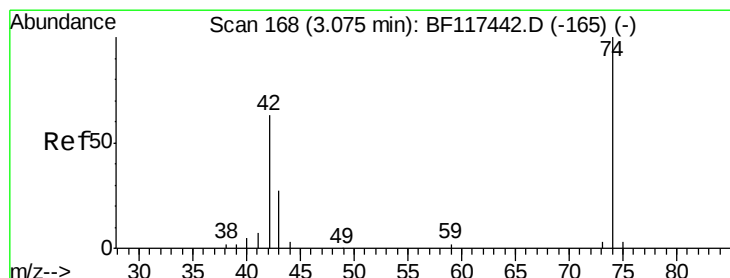
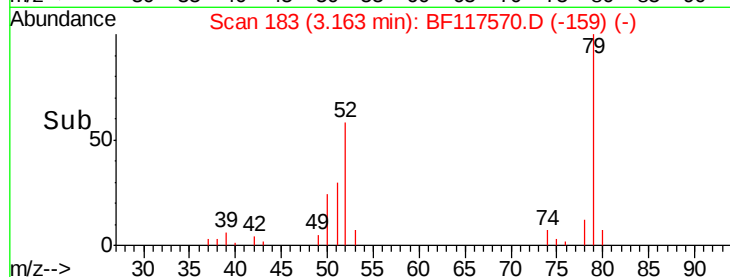
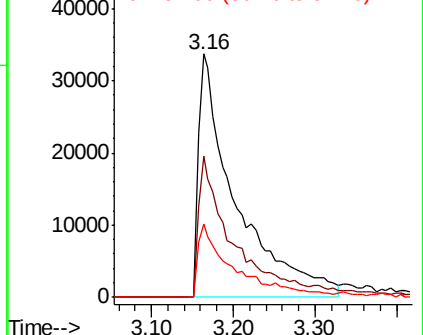
79 100

52 57.8 42.4 63.6

51 30.0 23.3 34.9



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



#4

n-Nitrosodimethylamine

Concen: 43.367 ng

RT: 3.12 min Scan# 175

Delta R.T. 0.04 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

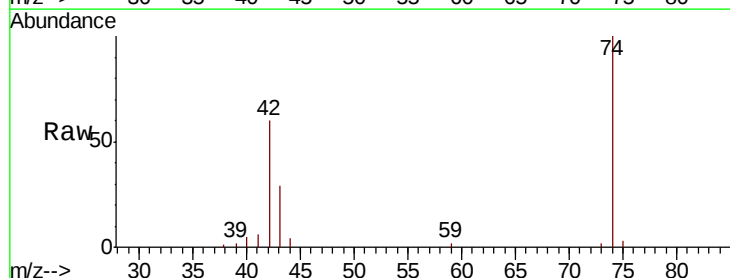
Tgt Ion: 42 Resp: 46180

Ion Ratio Lower Upper

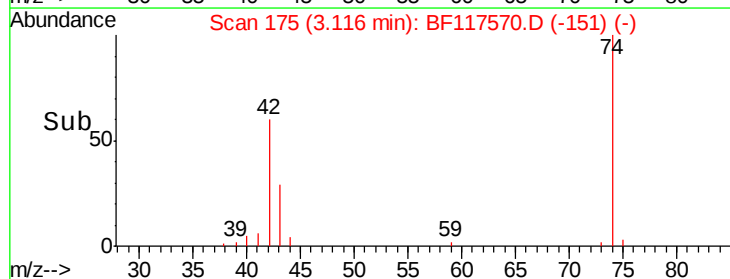
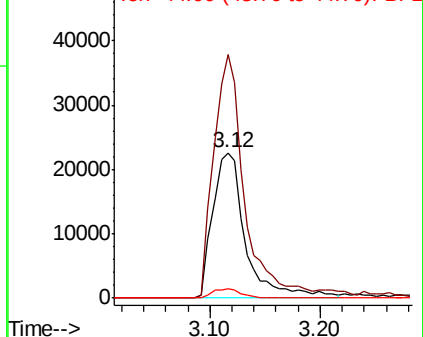
42 100

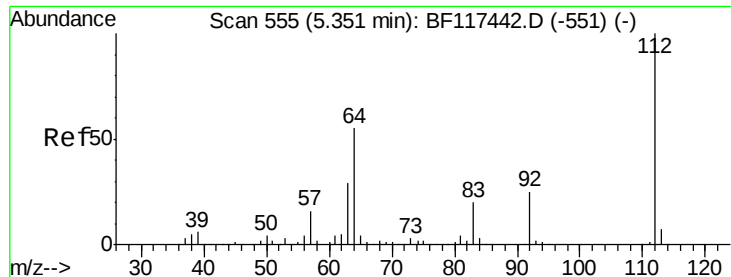
74 167.3 124.2 186.4

44 6.3 4.2 6.4



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





#5

2-Fluorophenol

Concen: 79.883 ng

RT: 5.36 min Scan# 556

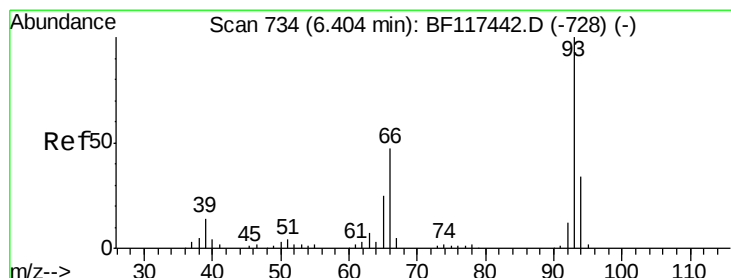
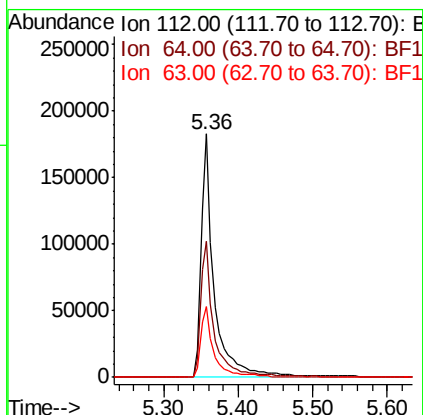
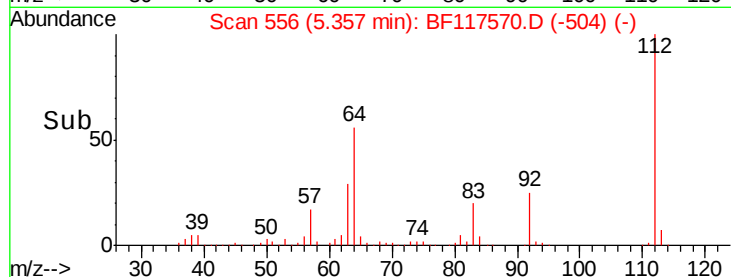
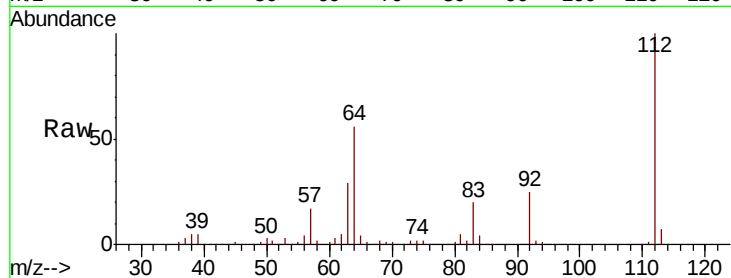
Delta R.T. 0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampled :

Tot Ion:	112	Resp:	227819
Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.1	66.1
63	29.0	23.4	35.2



#6

Aniline

Concen: 24.667 ng

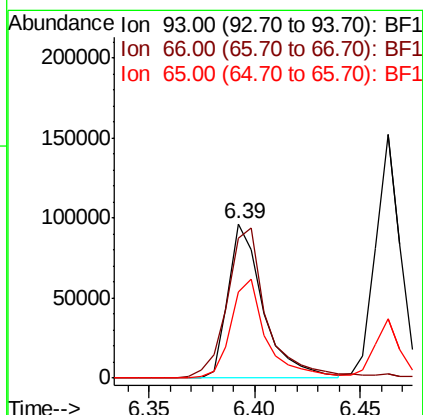
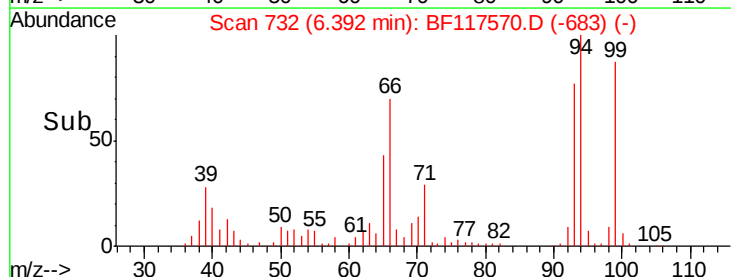
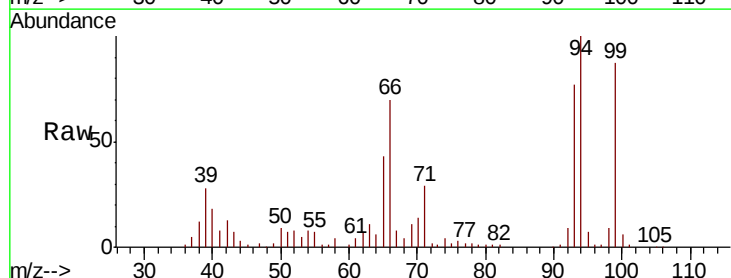
RT: 6.39 min Scan# 732

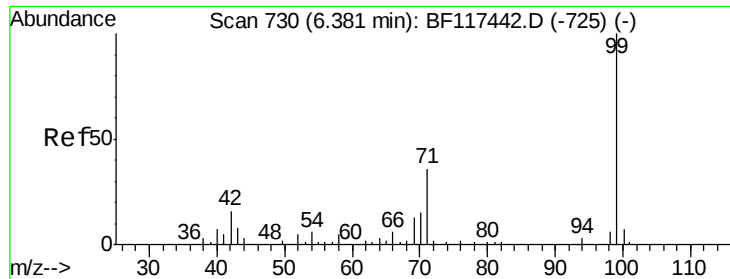
Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Tgt Ion:	93	Resp:	110926
Ion	Ratio	Lower	Upper
93	100		
66	90.6	38.7	58.1#
65	56.4	20.1	30.1#





#7

Phenol-d6

Concen: 81.526 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampleId :

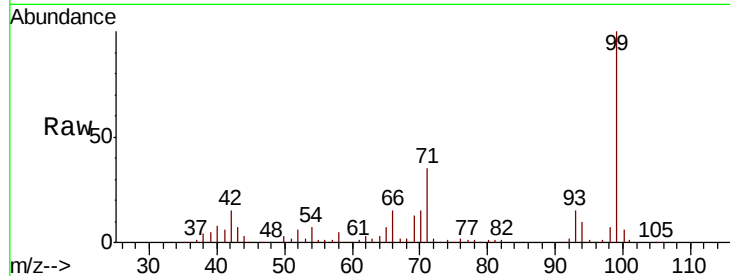
Tot Ion: 99 Resp: 312279

Ion Ratio Lower Upper

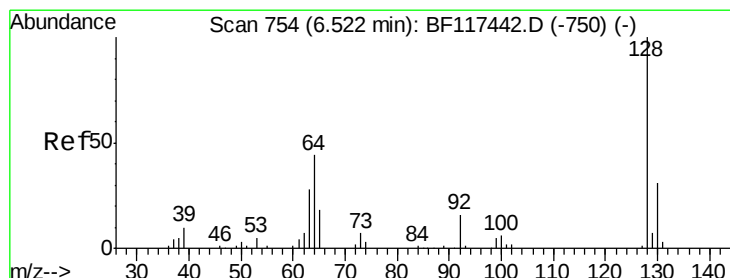
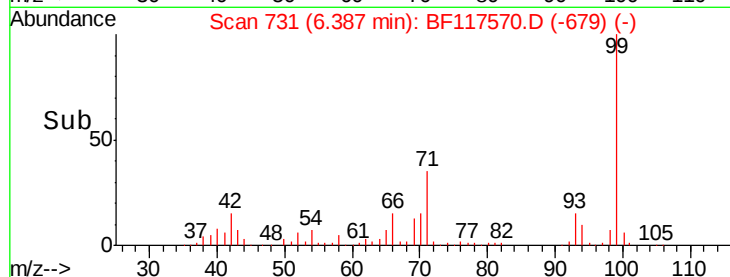
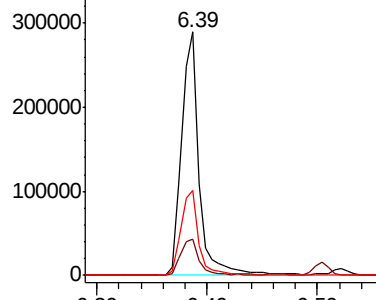
99 100

42 15.1 12.8 19.2

71 35.1 28.6 43.0



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: 44.508 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

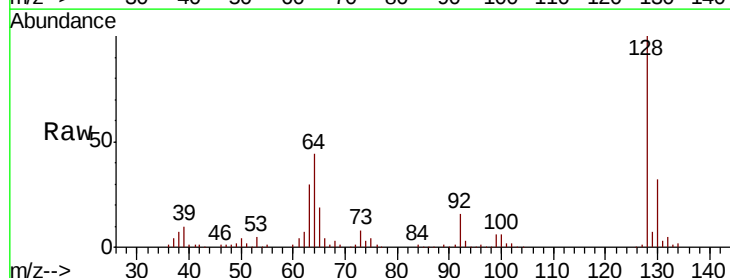
Tgt Ion: 128 Resp: 133941

Ion Ratio Lower Upper

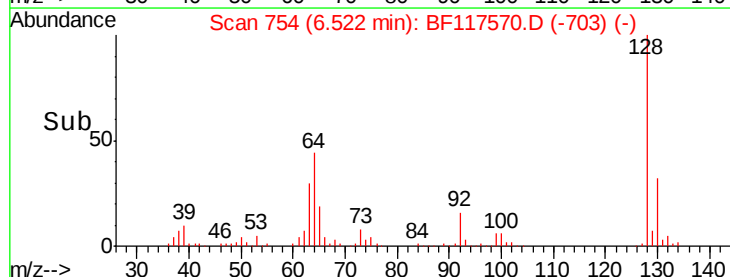
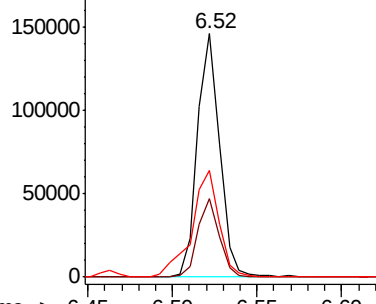
128 100

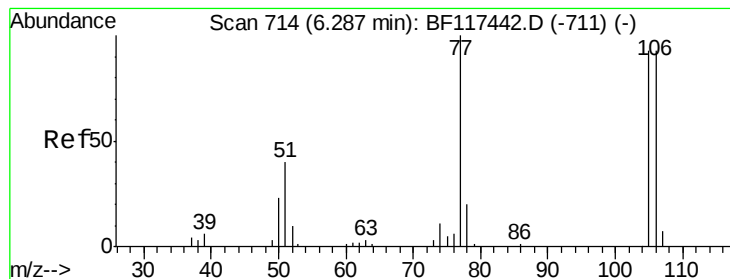
130 32.4 11.1 51.1

64 43.9 27.1 67.1



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: 43.072 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampleId :

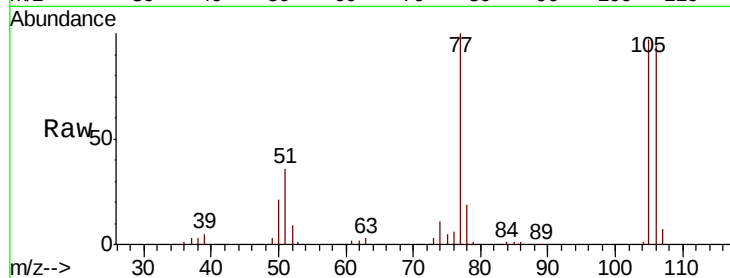
Tot Ion: 77 Resp: 78642

Ion Ratio Lower Upper

77 100

105 97.4 73.4 113.4

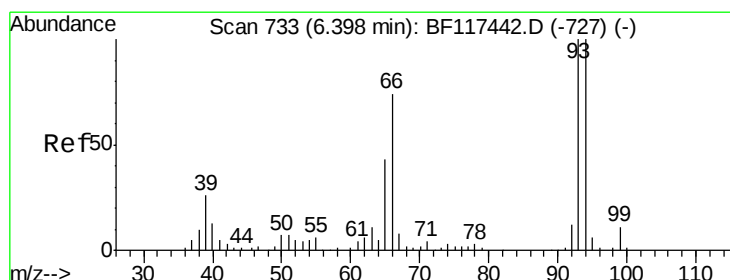
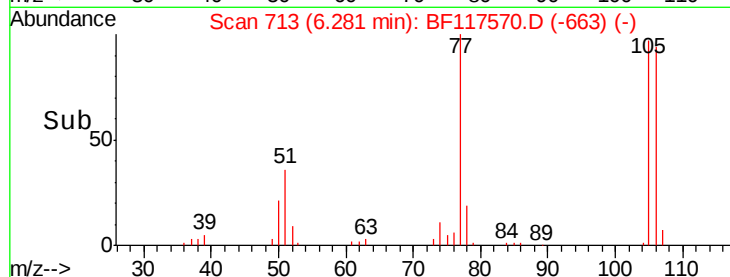
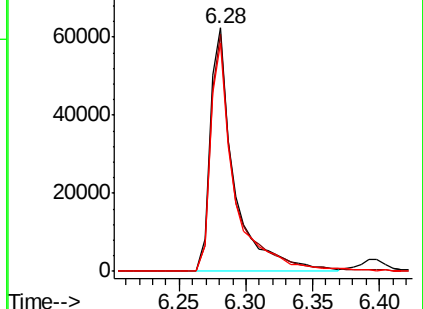
106 93.8 73.0 113.0



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: 46.080 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

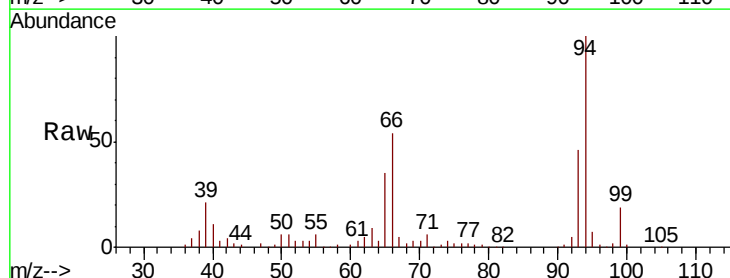
Tgt Ion: 94 Resp: 180149

Ion Ratio Lower Upper

94 100

65 35.3 23.4 63.4

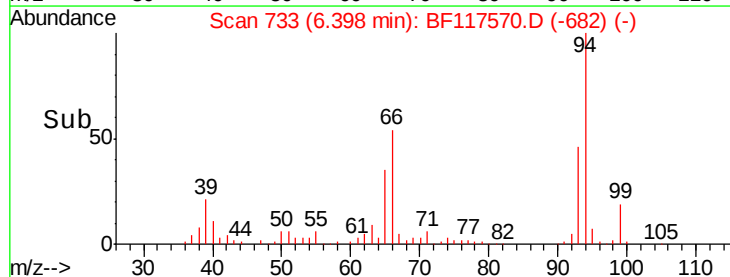
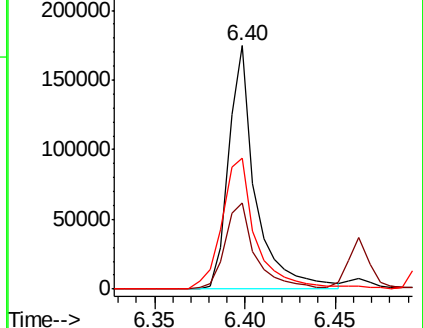
66 53.7 54.7 94.7#

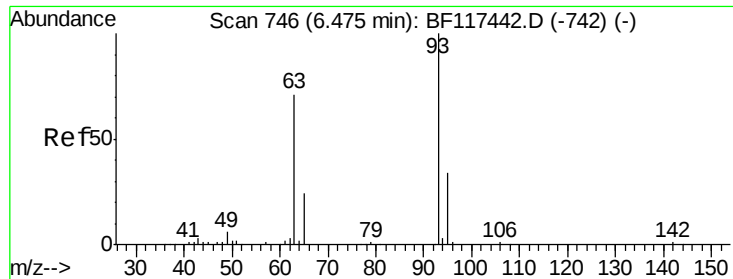


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

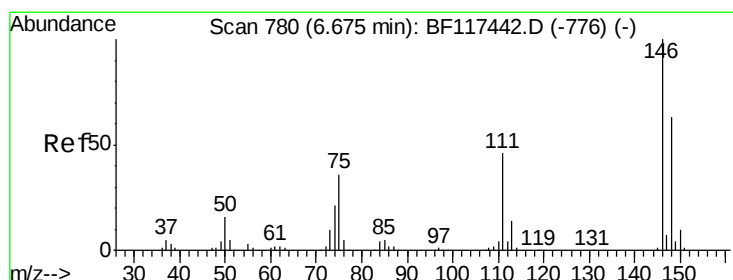
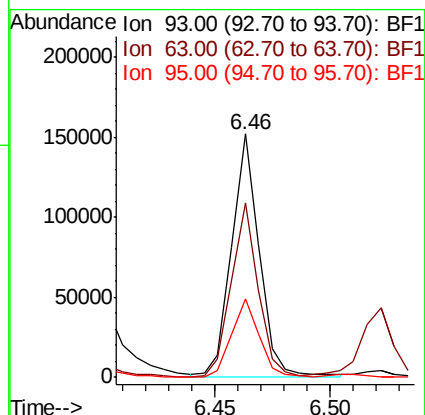
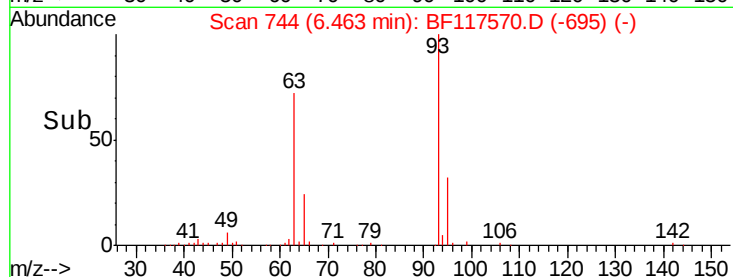
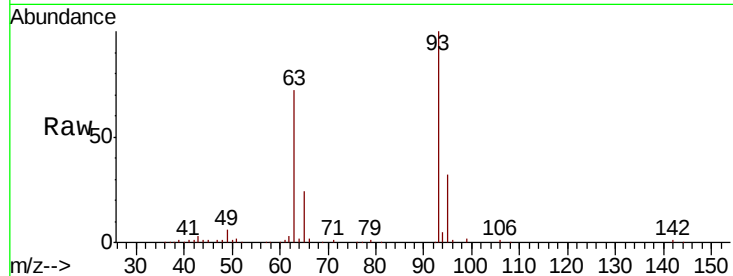




#11
bis(2-Chloroethyl)ether
Concen: 44.583 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

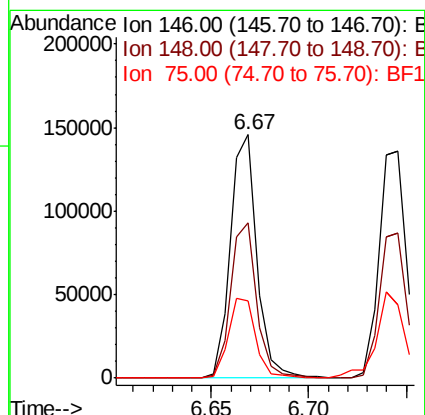
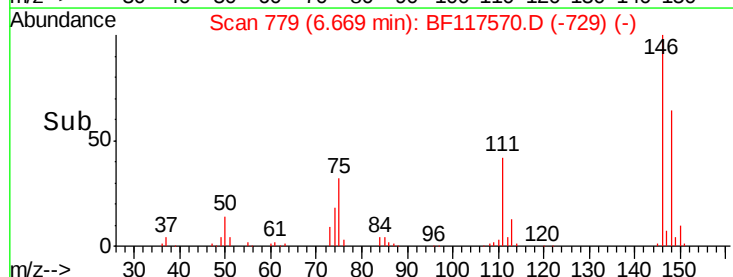
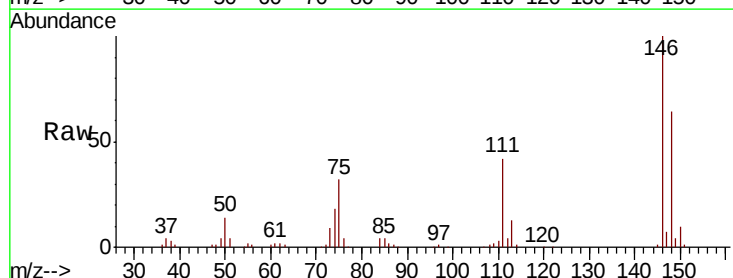
Instrument :
BNA_E
ClientSampleId :

Tot Ion: 93 Resp: 128921
Ion Ratio Lower Upper
93 100
63 71.6 50.2 90.2
95 32.1 13.9 53.9



#12
1,3-Dichlorobenzene
Concen: 40.954 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion: 146 Resp: 137533
Ion Ratio Lower Upper
146 100
148 63.6 50.6 75.8
75 31.6 28.6 43.0

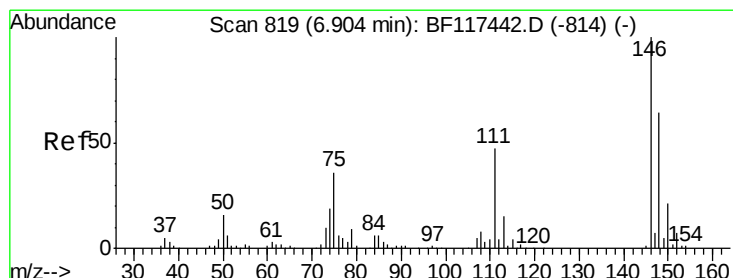
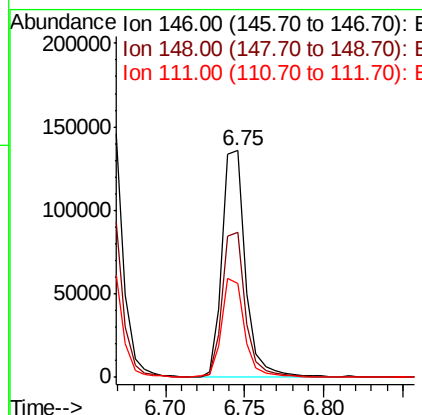
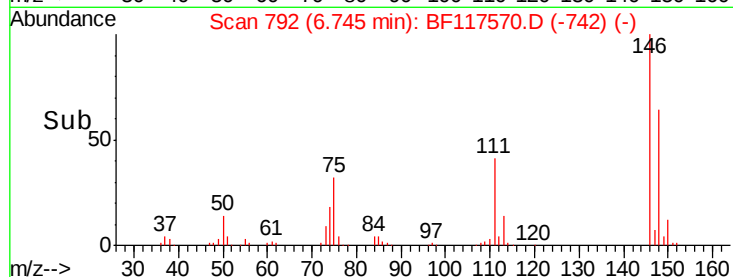
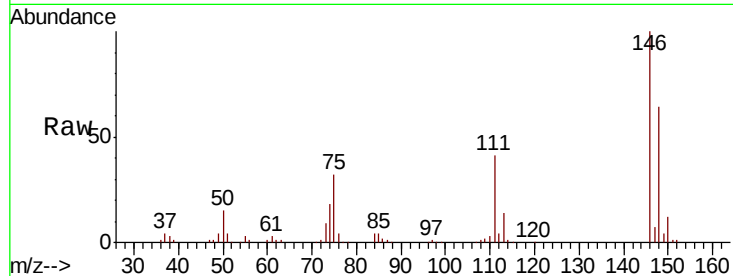




#13
 1,4-Dichlorobenzene
 Concen: 40.485 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

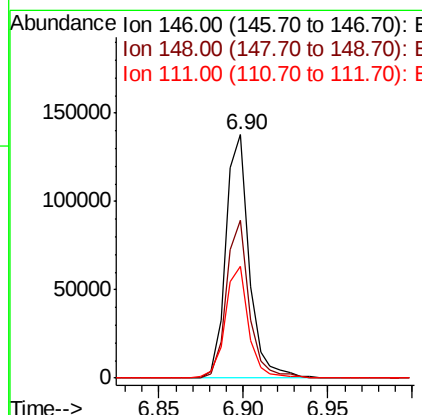
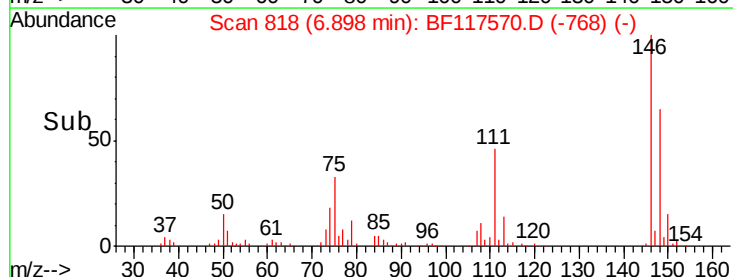
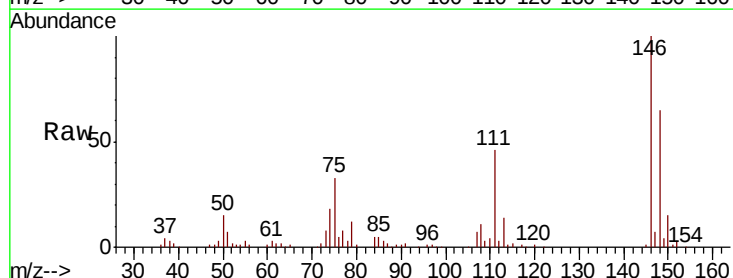
Instrument :
 BNA_E
 ClientSampleId :

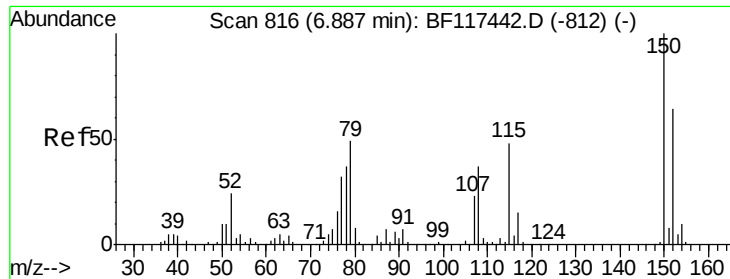
Tot Ion:146 Resp: 137924
 Ion Ratio Lower Upper
 146 100
 148 63.7 49.3 73.9
 111 41.4 33.6 50.4



#14
 1,2-Dichlorobenzene
 Concen: 41.392 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Tgt Ion:146 Resp: 132921
 Ion Ratio Lower Upper
 146 100
 148 65.0 51.4 77.0
 111 46.1 37.7 56.5





#15

Benzyl Alcohol

Concen: 43.272 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampled :

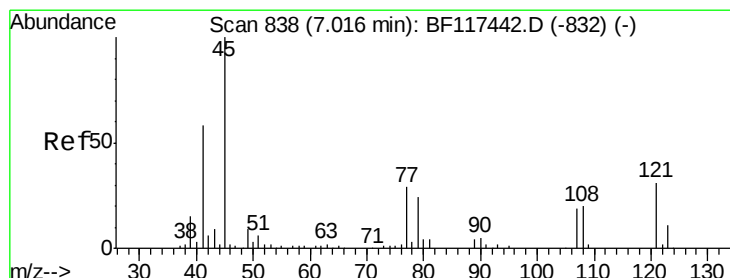
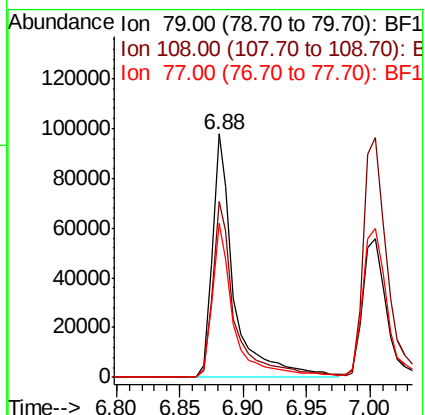
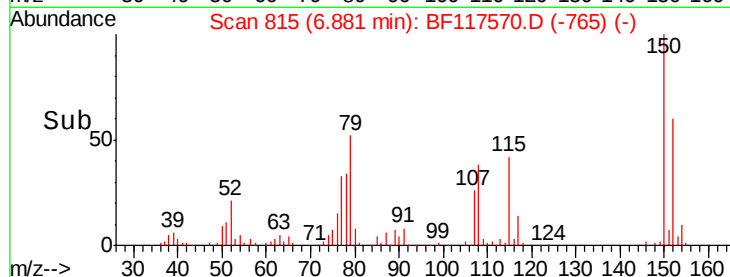
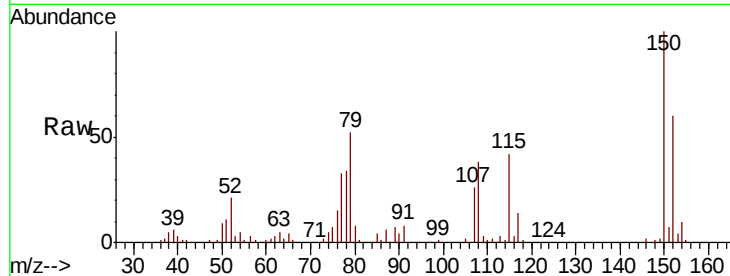
Tot Ion: 79 Resp: 118421

Ion Ratio Lower Upper

79 100

108 72.2 59.8 89.8

77 63.1 51.4 77.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.766 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

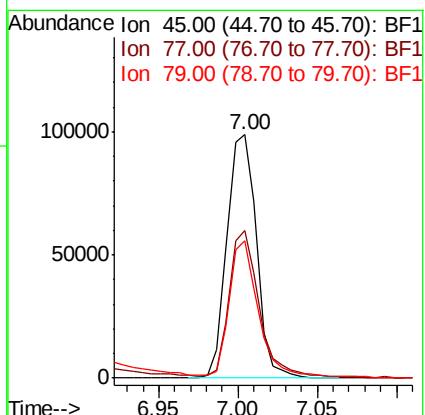
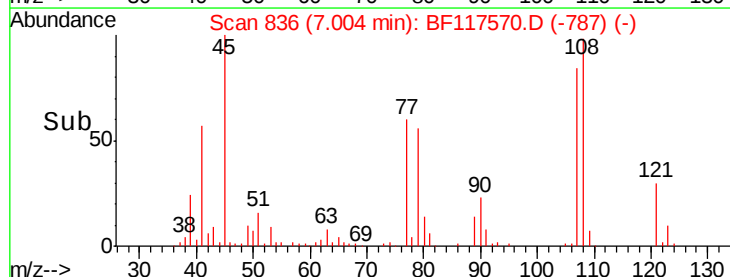
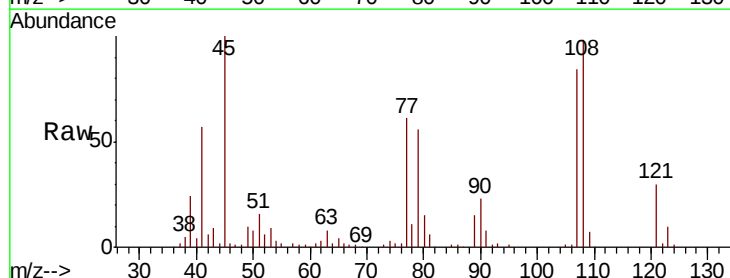
Tgt Ion: 45 Resp: 127169

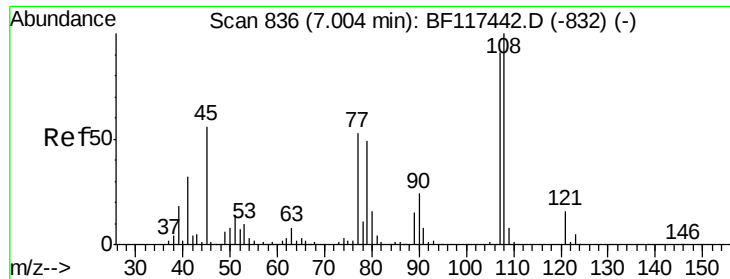
Ion Ratio Lower Upper

45 100

77 60.8 9.9 49.9#

79 56.3 5.5 45.5#

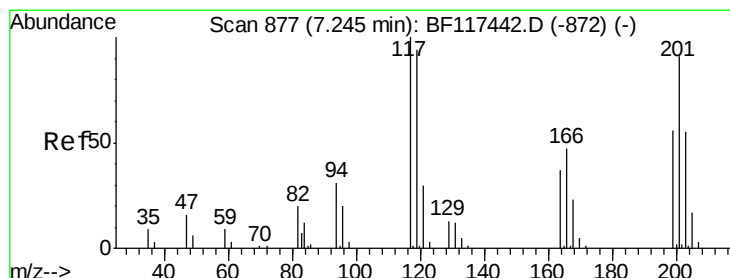
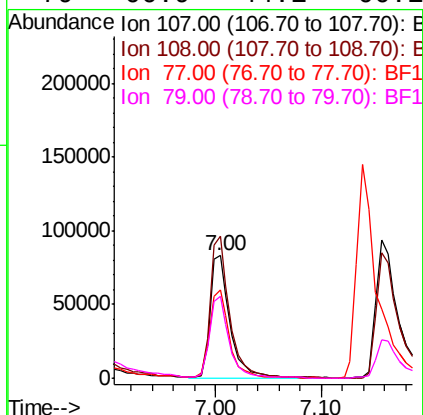
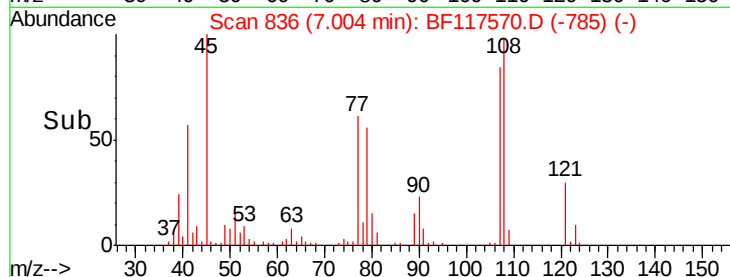
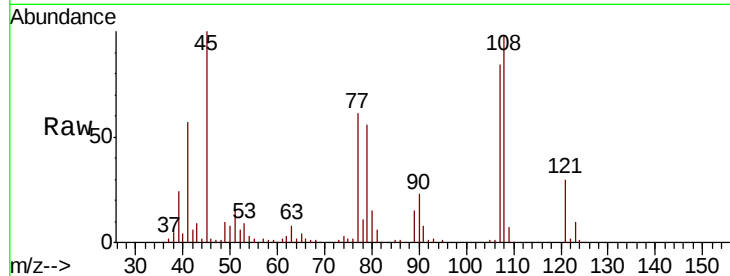




#17
2-Methylphenol
Concen: 43.763 ng
RT: 7.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

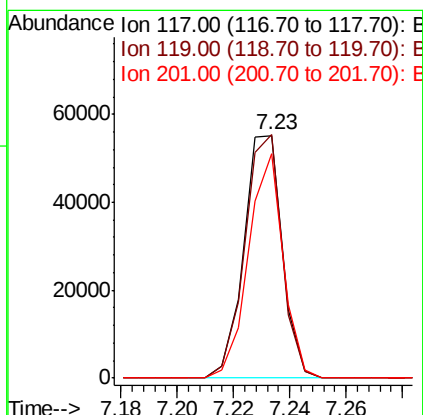
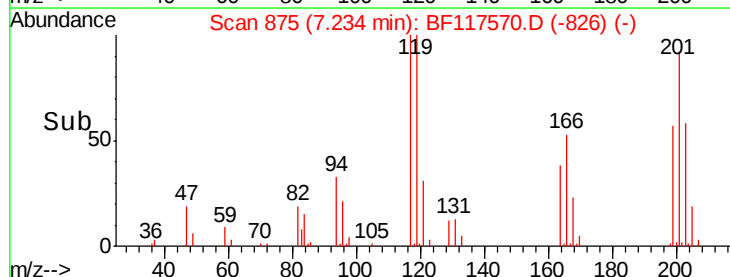
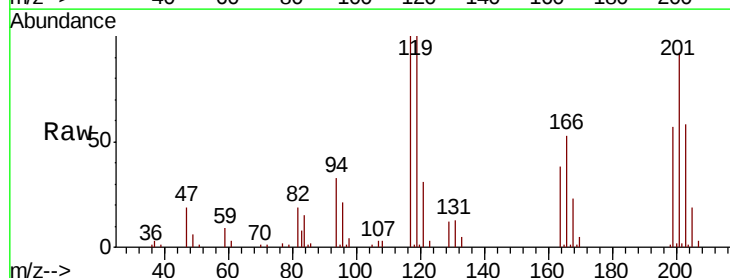
Instrument :
BNA_E
ClientSampleId :

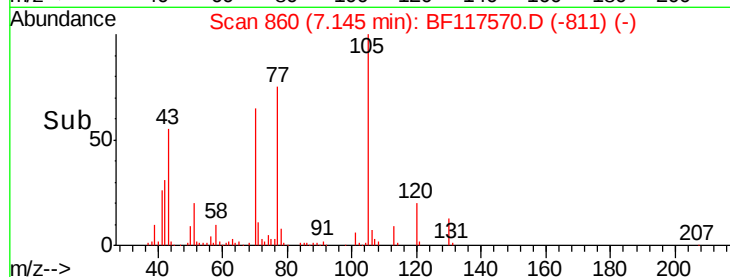
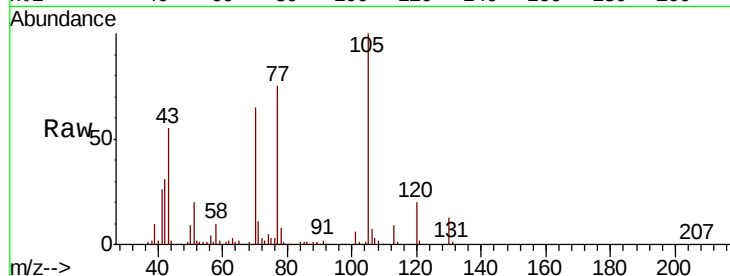
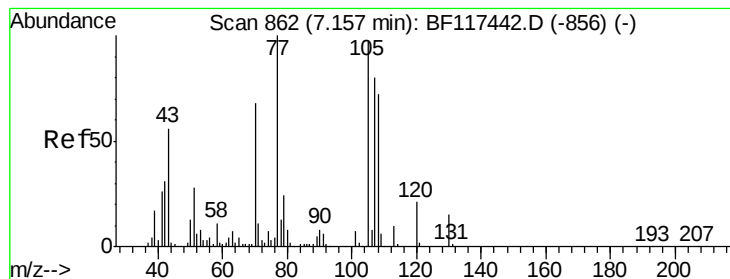
Tot Ion	Ratio	Lower	Upper
107	100		
108	116.2	88.0	132.0
77	72.2	47.2	70.8
79	66.9	44.1	66.1



#18
Hexachloroethane
Concen: 39.167 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.3	75.4	113.0
201	92.6	72.5	108.7





#19

n-Nitroso-di-n-propylamine

Concen: 42.504 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 99430

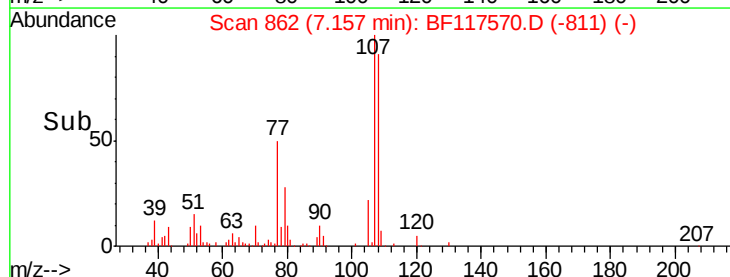
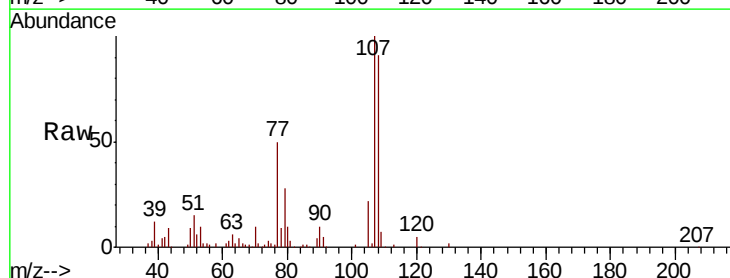
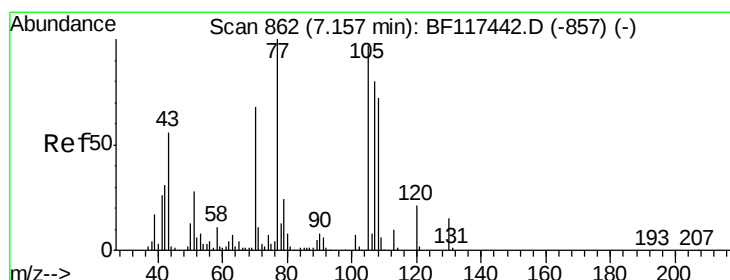
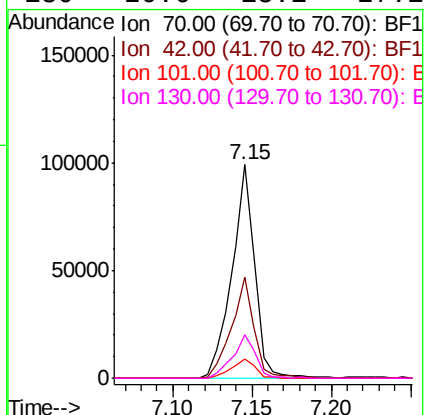
Ion Ratio Lower Upper

70 100

42 47.6 36.7 55.1

101 8.9 8.3 12.5

130 20.6 18.1 27.1



#20

3+4-Methylphenols

Concen: 45.039 ng

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Tgt Ion: 107 Resp: 146189

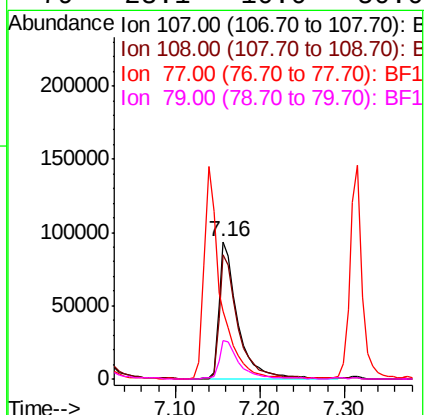
Ion Ratio Lower Upper

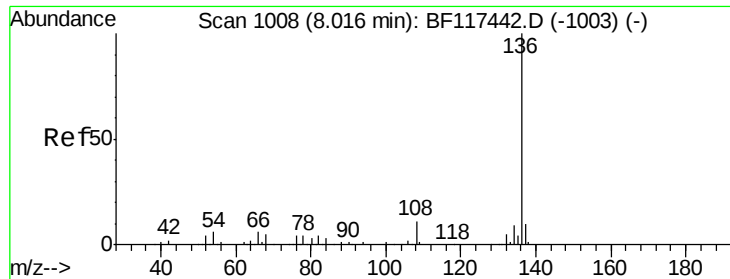
107 100

108 90.5 70.3 110.3

77 49.8 104.8 144.8#

79 28.1 10.0 50.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 172477

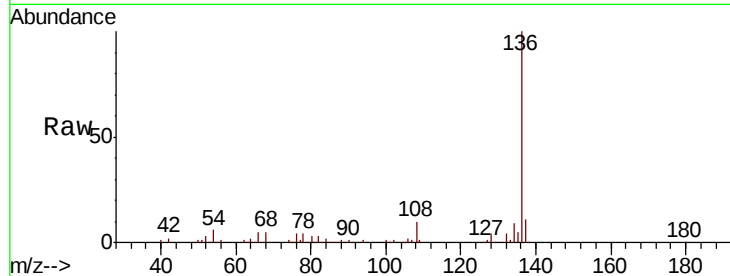
Ion Ratio Lower Upper

136 100

137 10.6 8.2 12.4

54 5.8 4.5 6.7

68 5.2 4.3 6.5

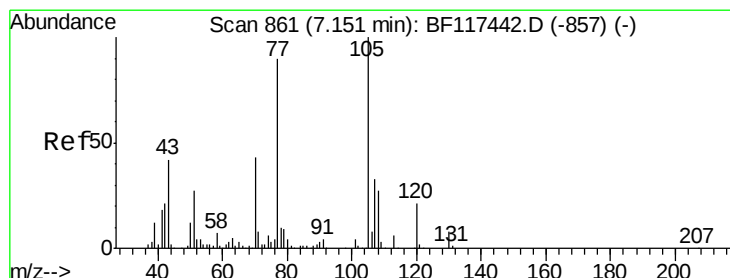
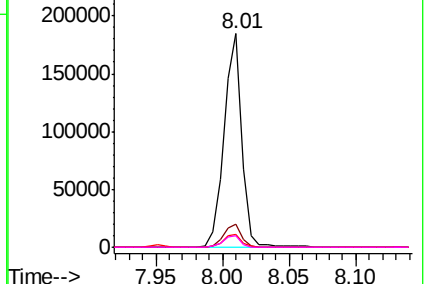
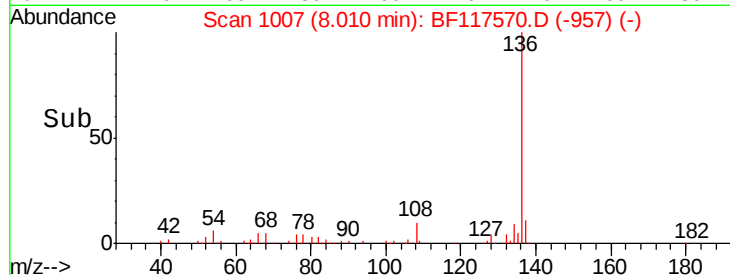


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.582 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Tgt Ion:105 Resp: 195022

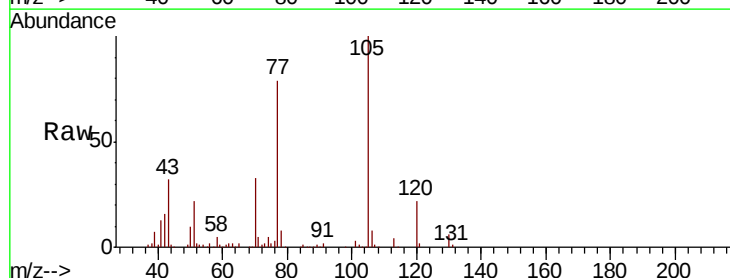
Ion Ratio Lower Upper

105 100

71 5.2 6.2 9.2#

51 22.4 21.8 32.6

120 22.2 16.7 25.1

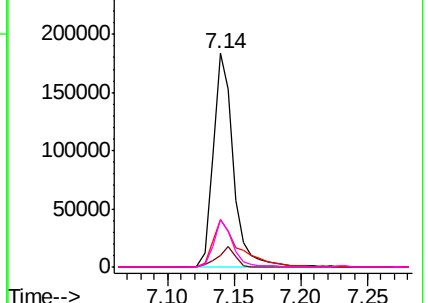
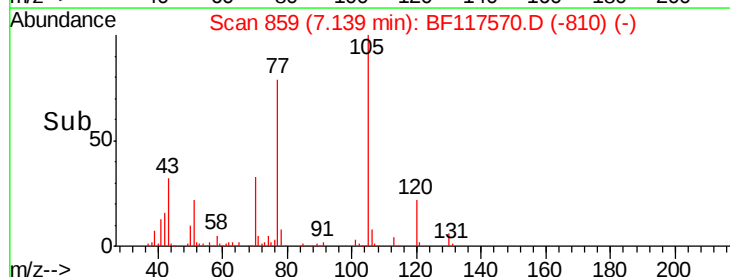


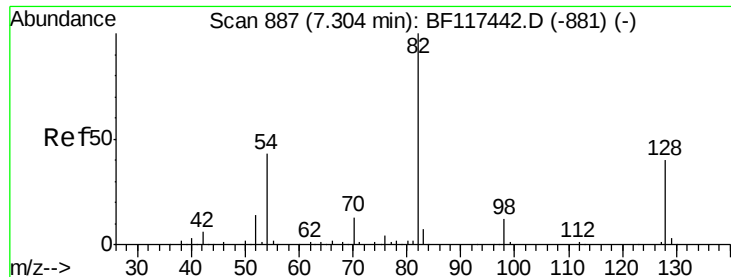
Abundance Ion 105.00 (104.70 to 105.70): E

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

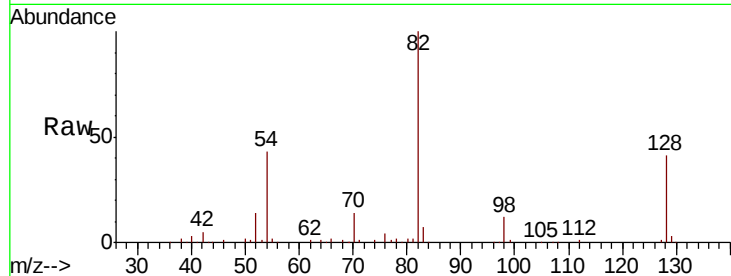




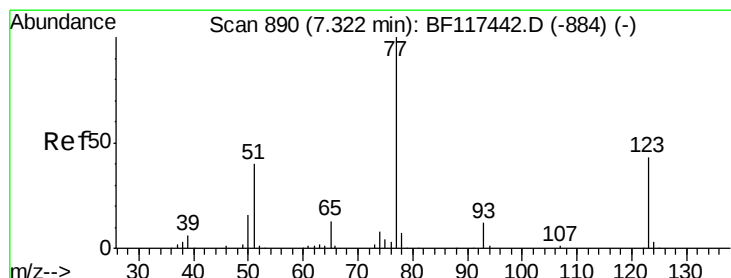
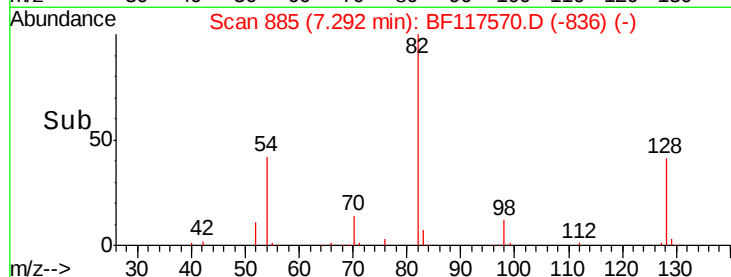
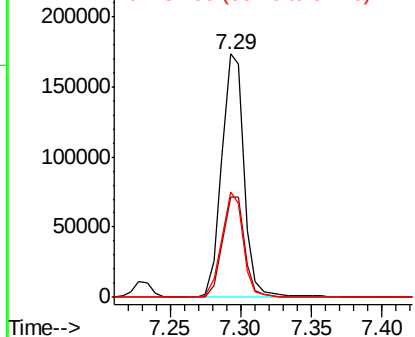
#23
Nitrobenzene-d5
Concen: 54.721 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampled :

Tot Ion	82	Resp	191178
Ion Ratio	100	Lower	Upper
128	41.2	32.2	48.2
54	43.1	34.2	51.2

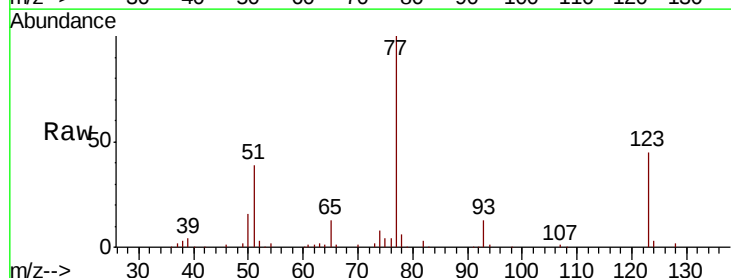


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

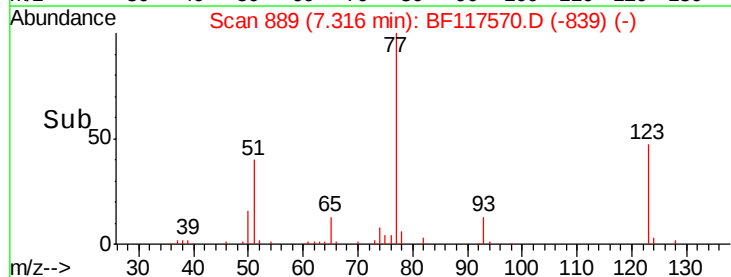
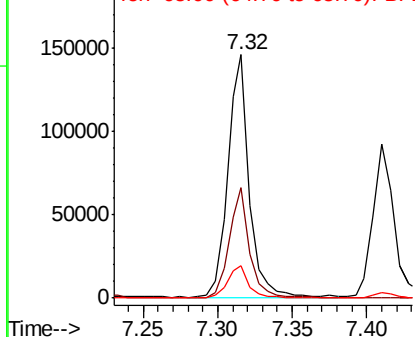


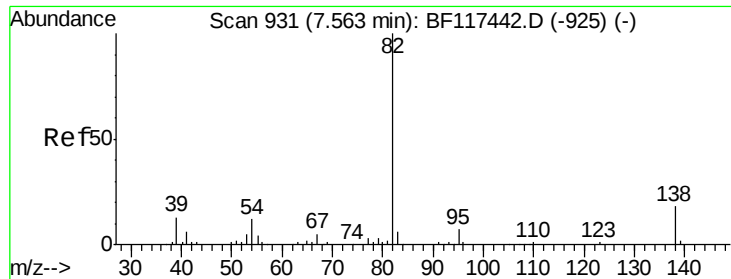
#24
Nitrobenzene
Concen: 44.459 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion	77	Resp	148771
Ion Ratio	100	Lower	Upper
123	45.3	34.2	51.2
65	13.1	10.3	15.5



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

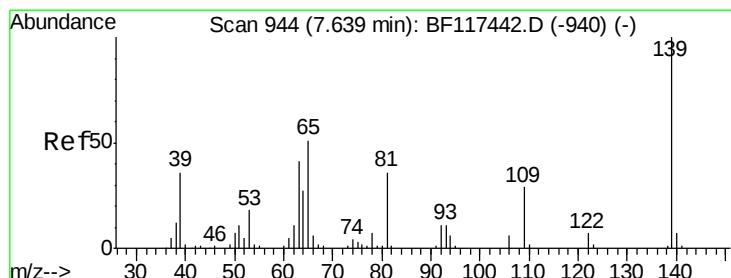
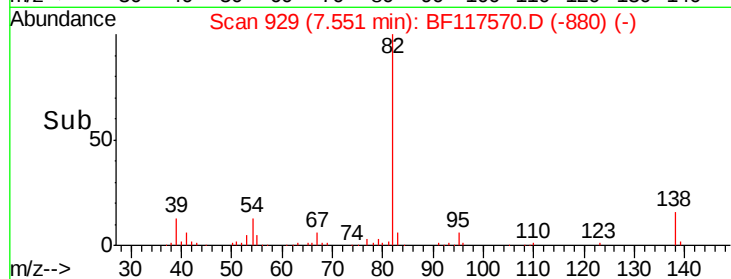
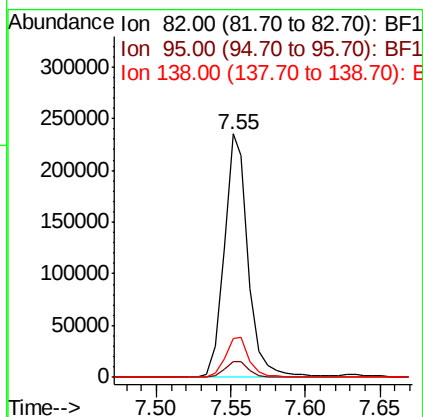
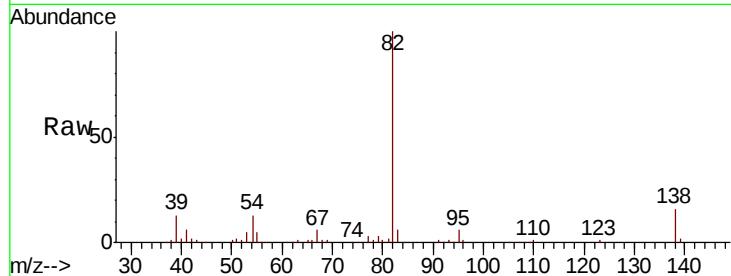




#25
Isophorone
Concen: 43.895 ng
RT: 7.55 min Scan# 929
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

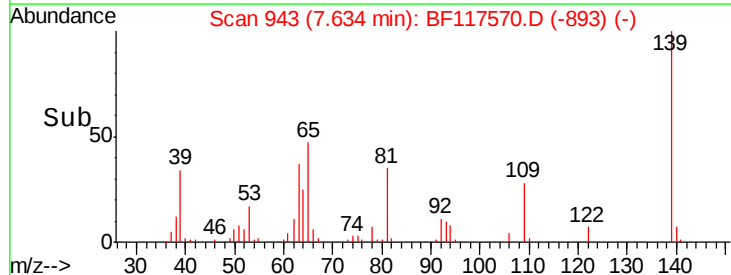
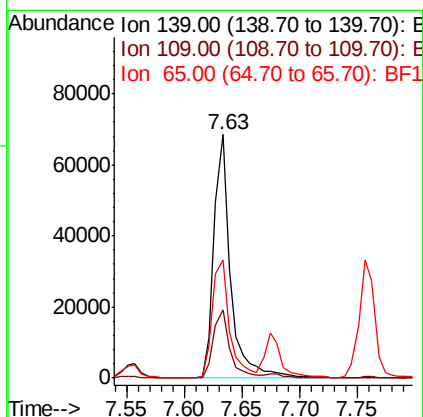
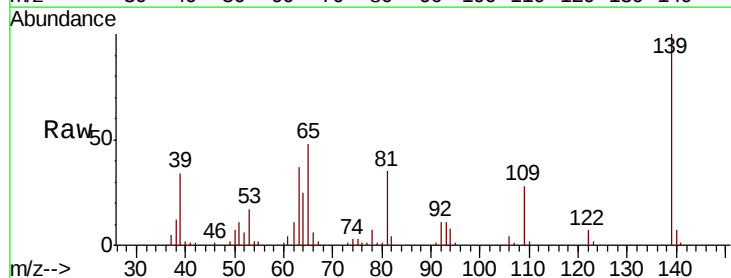
Instrument :
BNA_E
ClientSampleId :

Tot Ion: 82 Resp: 265297
Ion Ratio Lower Upper
82 100
95 6.5 5.4 8.0
138 16.1 14.2 21.2



#26
2-Nitrophenol
Concen: 46.358 ng
RT: 7.63 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion: 139 Resp: 69186
Ion Ratio Lower Upper
139 100
109 28.2 23.2 34.8
65 48.5 41.1 61.7

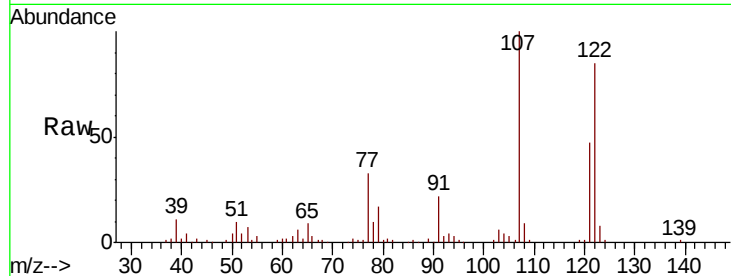




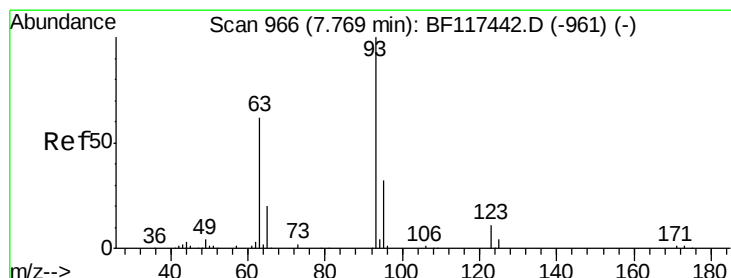
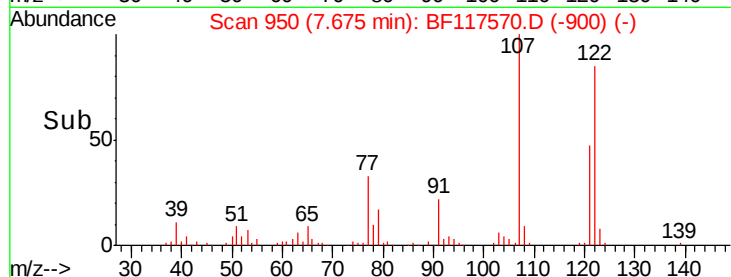
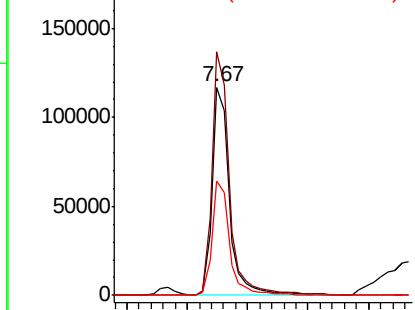
#27
 2,4-Dimethylphenol
 Concen: 51.746 ng
 RT: 7.67 min Scan# 950
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:122 Resp: 115414
 Ion Ratio Lower Upper
 122 100
 107 117.1 96.8 145.2
 121 55.2 46.4 69.6

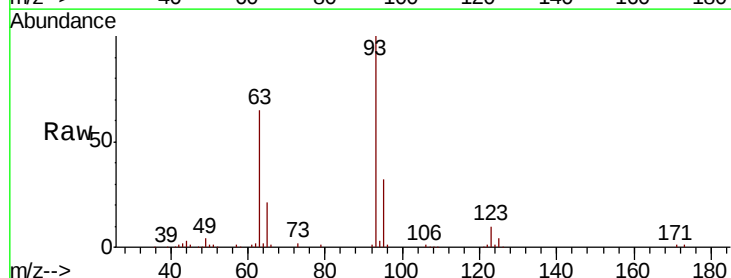


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

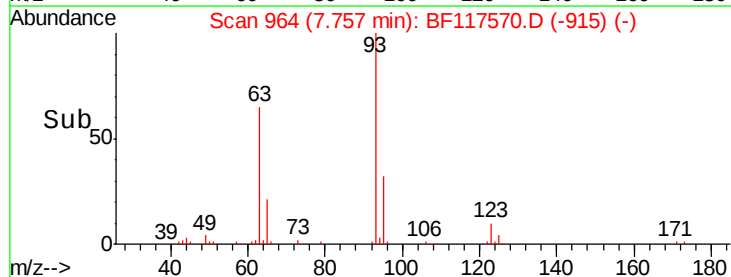
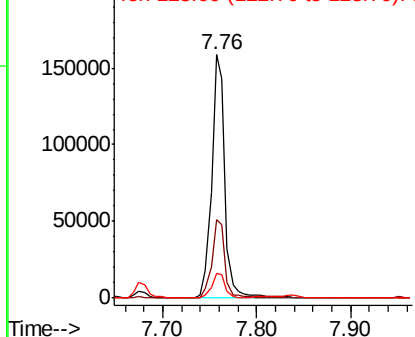


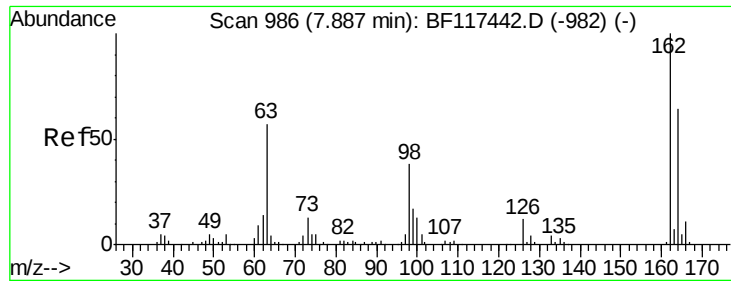
#28
 bis(2-Chloroethoxy)methane
 Concen: 42.526 ng
 RT: 7.76 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Tgt Ion: 93 Resp: 158596
 Ion Ratio Lower Upper
 93 100
 95 32.2 25.5 38.3
 123 10.4 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

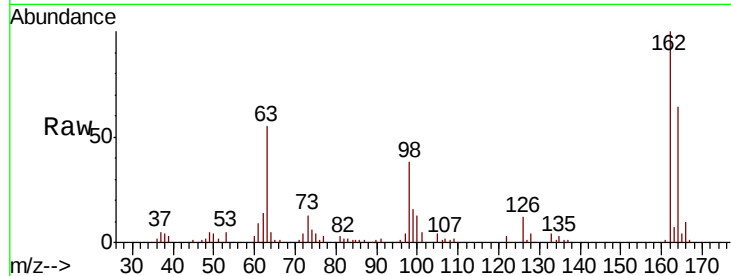




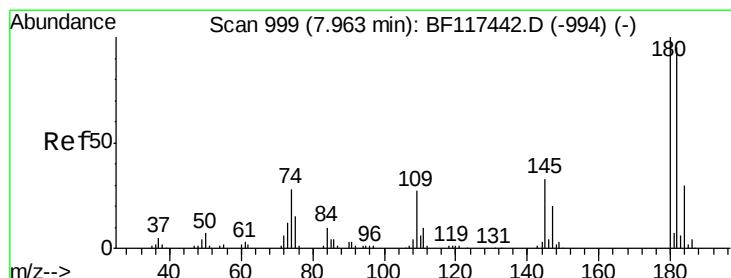
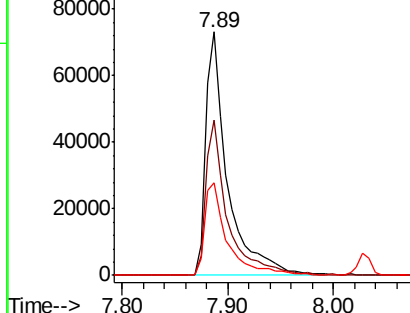
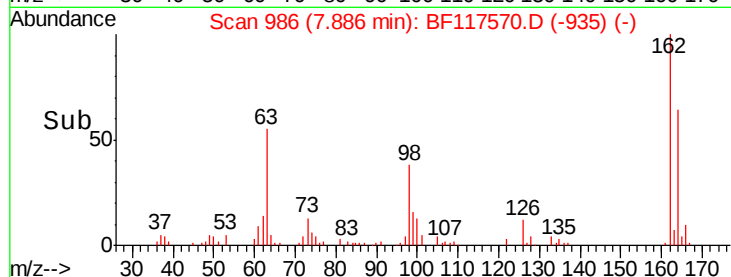
#29
2,4-Dichlorophenol
Concen: 44.571 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampled :

Tot Ion:162 Resp: 104270
Ion Ratio Lower Upper
162 100
164 63.7 44.4 84.4
98 38.2 18.2 58.2

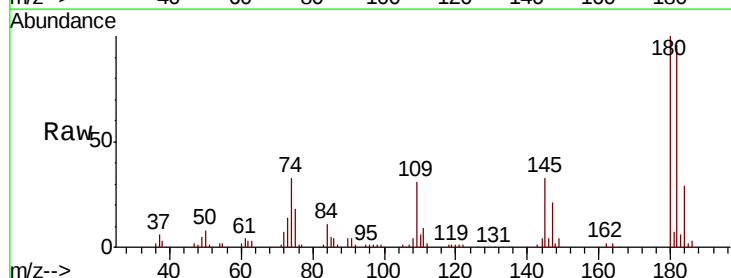


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

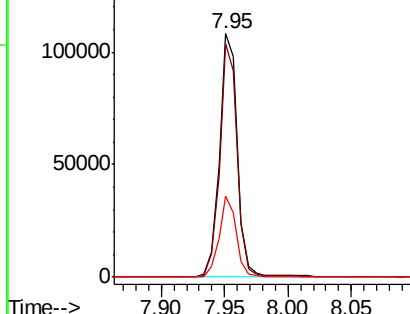
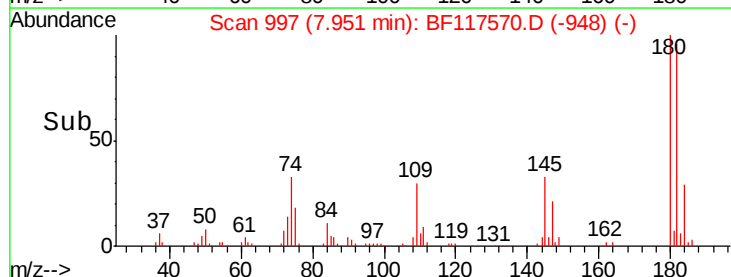


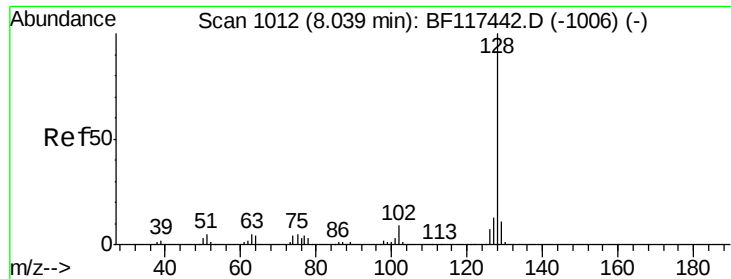
#30
1,2,4-Trichlorobenzene
Concen: 42.782 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion:180 Resp: 107405
Ion Ratio Lower Upper
180 100
182 95.7 75.8 113.8
145 33.1 26.5 39.7



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

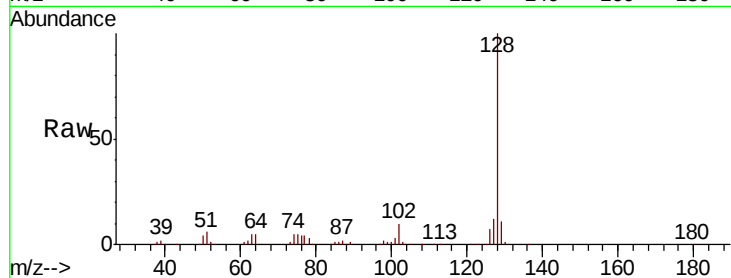




#31
Naphthalene
Concen: 45.172 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampleId :

Tot Ion	128	Resp	386177
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	12.5	10.2	15.2

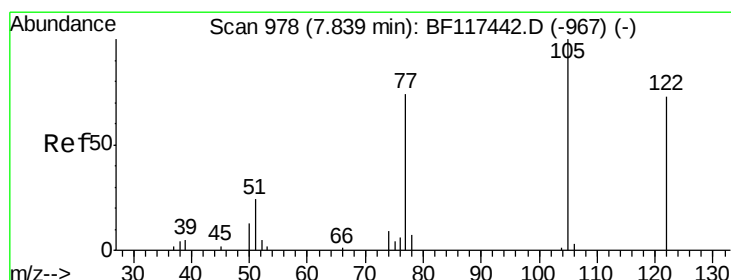
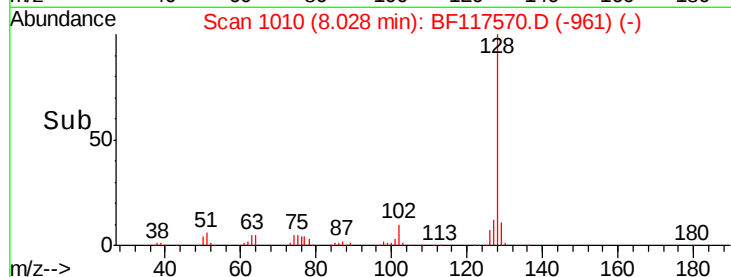
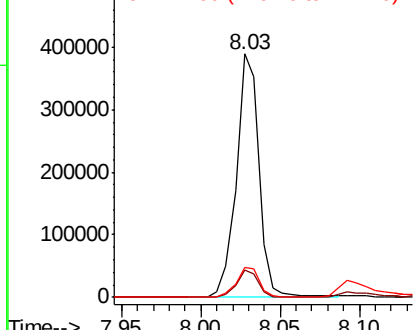


Abundance

Ion 128.00 (127.70 to 128.70): E

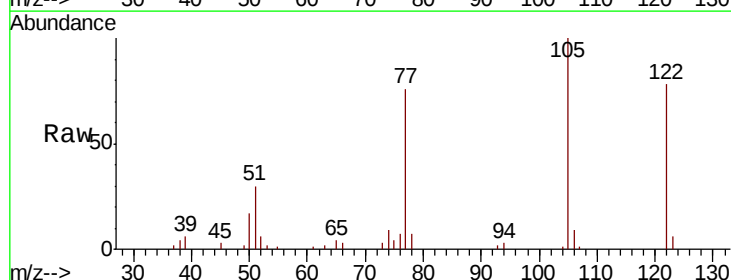
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 37.259 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion	122	Resp	56920
Ion	Ratio	Lower	Upper
122	100		
105	127.5	115.0	155.0
77	97.1	79.7	119.7

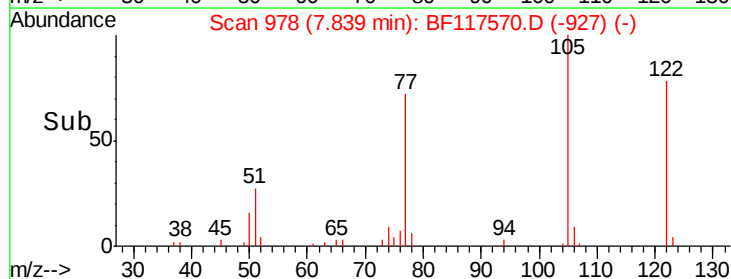
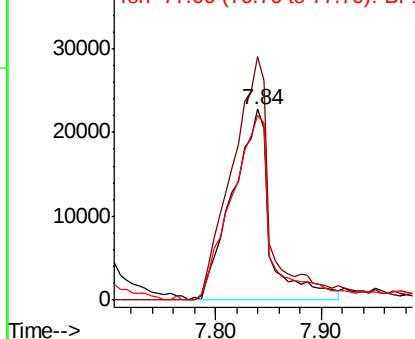


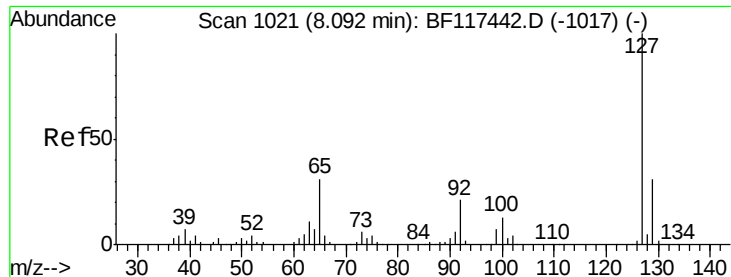
Abundance

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

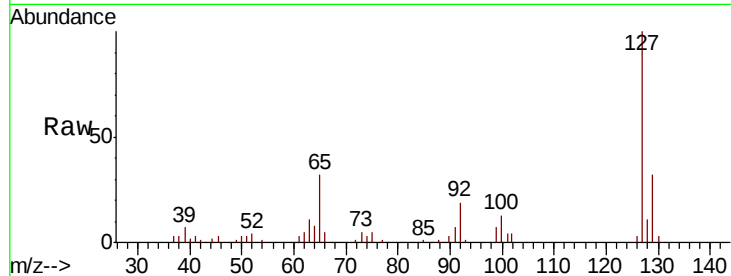




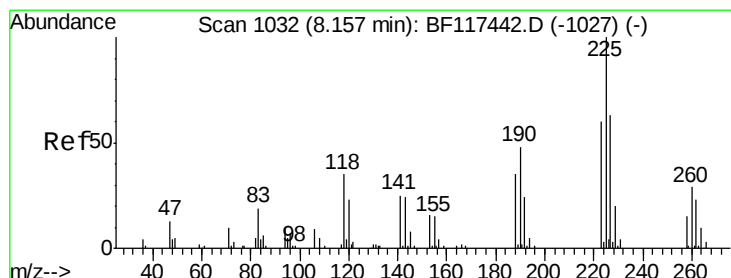
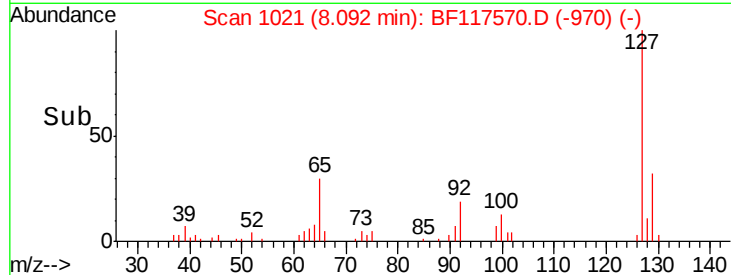
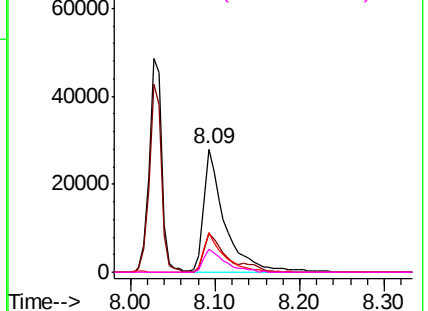
#33
4-Chloroaniline
Concen: 13.642 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampleId :

Tot Ion:127	Resp:	49221
Ion Ratio	Lower	Upper
127	100	
129	31.7	24.8 37.2
65	32.1	24.6 37.0
92	18.7	16.5 24.7

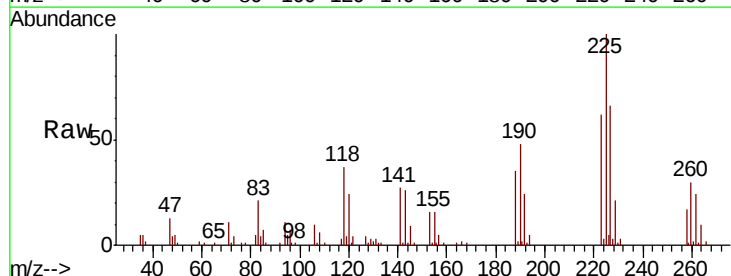


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

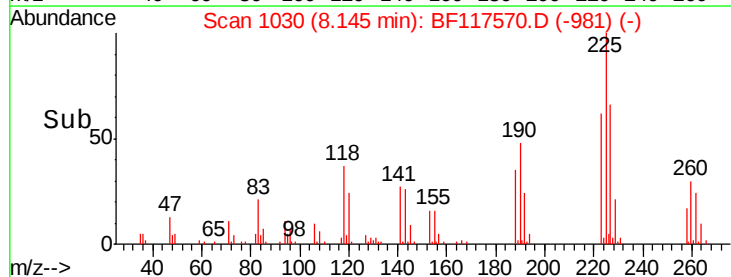
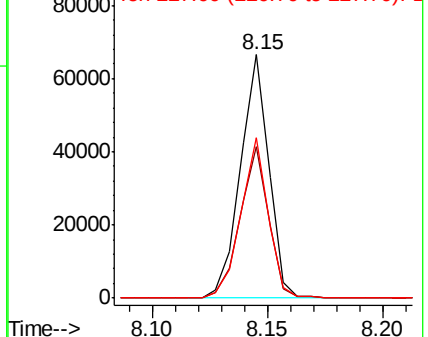


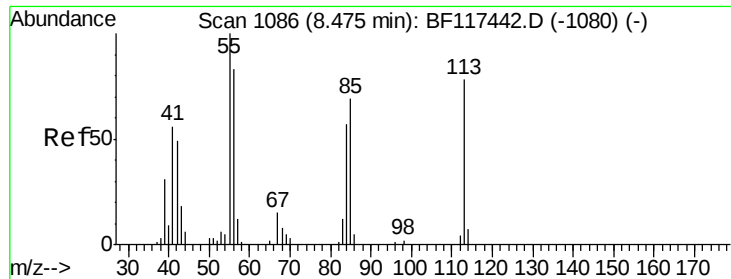
#34
Hexachlorobutadiene
Concen: 39.452 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion:225	Resp:	57327
Ion Ratio	Lower	Upper
225	100	
223	62.3	48.2 72.4
227	65.7	50.2 75.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

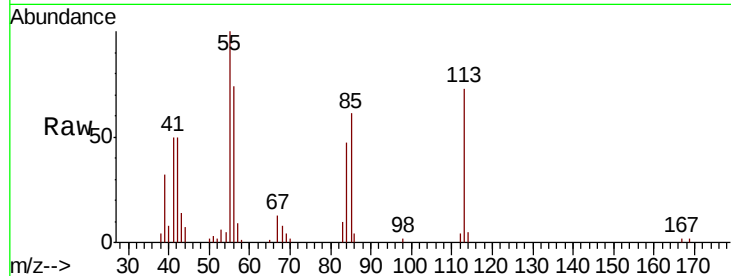




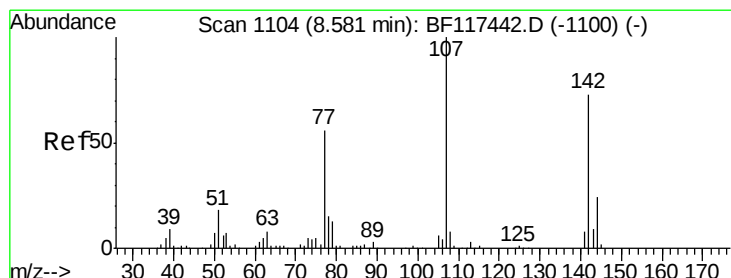
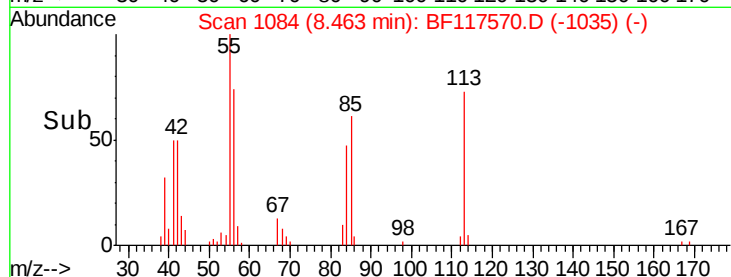
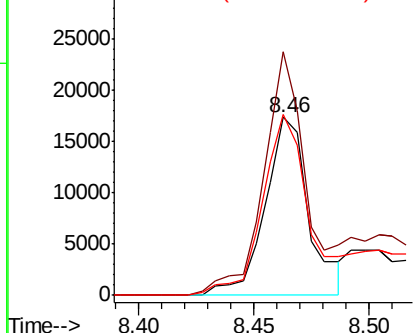
#35
 Caprolactam
 Concen: 30.328 ng
 RT: 8.46 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Instrument :
 BNA_E
 ClientSampleID :

Tot Ion:113 Resp: 22792
 Ion Ratio Lower Upper
 113 100
 55 136.6 108.8 148.8
 56 101.5 87.2 127.2

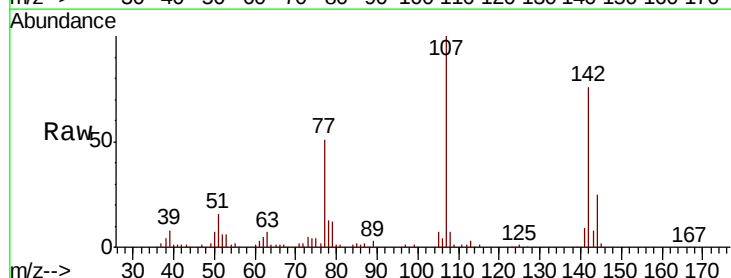


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

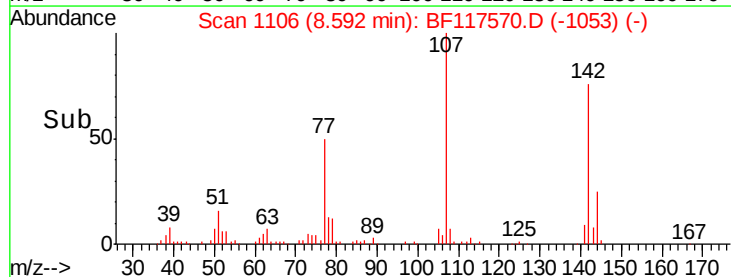
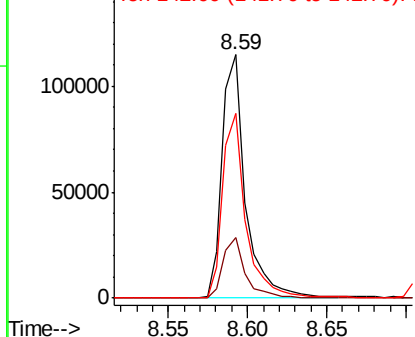


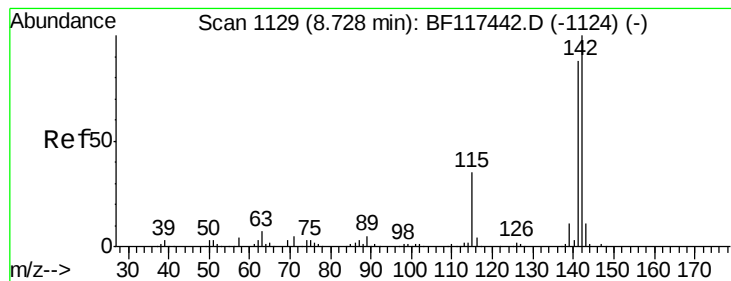
#36
 4-Chloro-3-methylphenol
 Concen: 44.232 ng
 RT: 8.59 min Scan# 1106
 Delta R.T. 0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Tgt Ion:107 Resp: 118013
 Ion Ratio Lower Upper
 107 100
 144 24.7 18.9 28.3
 142 75.7 58.6 88.0



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





#37

2-Methylnaphthalene

Concen: 45.234 ng

RT: 8.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampleId :

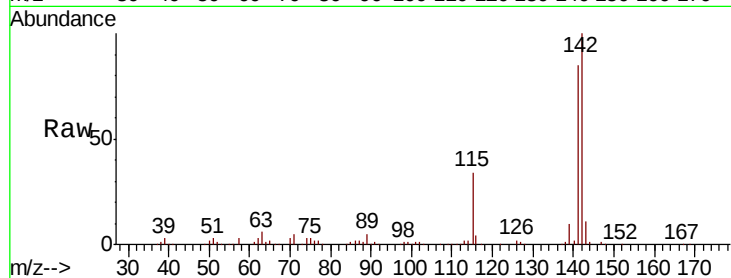
Tot Ion:142 Resp: 260575

Ion Ratio Lower Upper

142 100

141 85.0 70.3 105.5

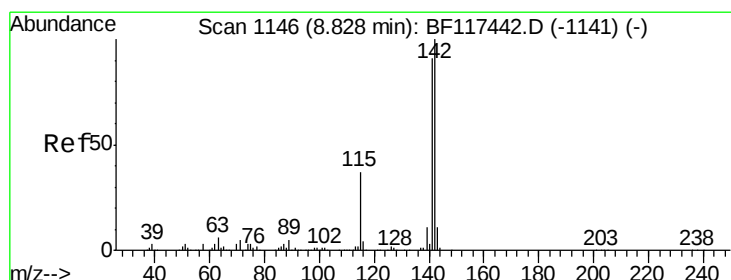
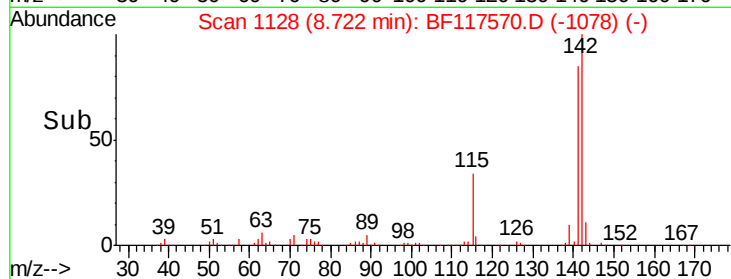
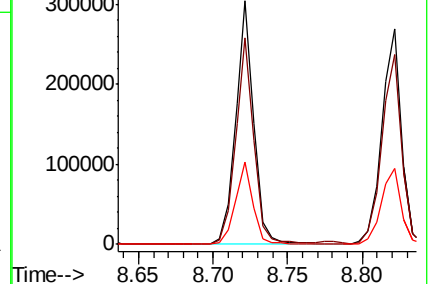
115 33.6 28.2 42.2



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: 44.240 ng

RT: 8.82 min Scan# 1145

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

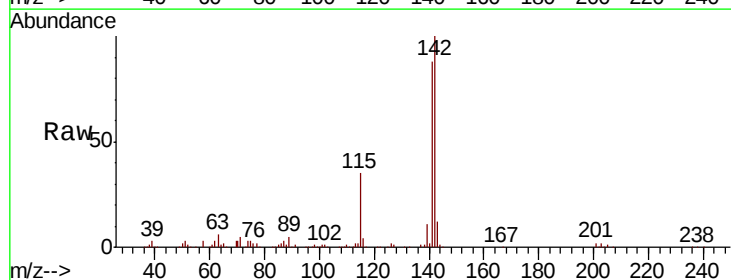
Tgt Ion:142 Resp: 239474

Ion Ratio Lower Upper

142 100

141 88.4 73.3 109.9

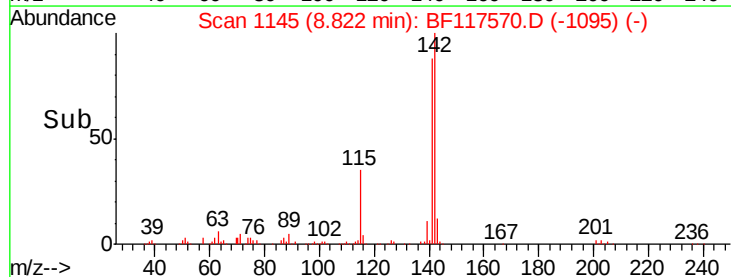
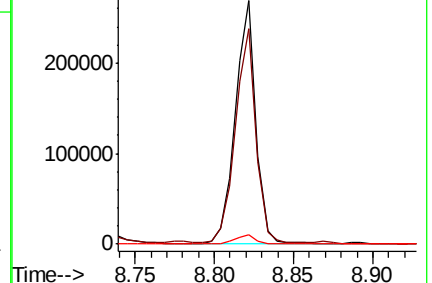
116 3.6 3.1 4.7

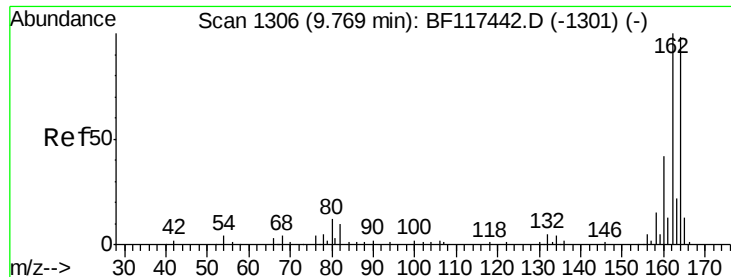


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

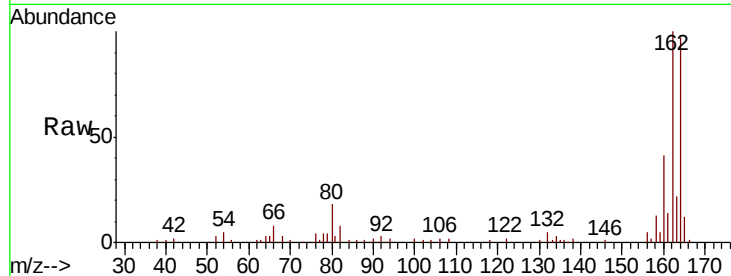




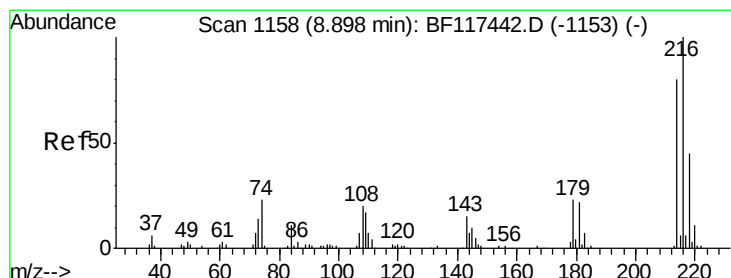
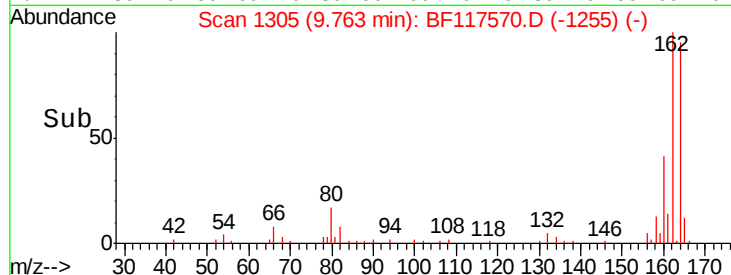
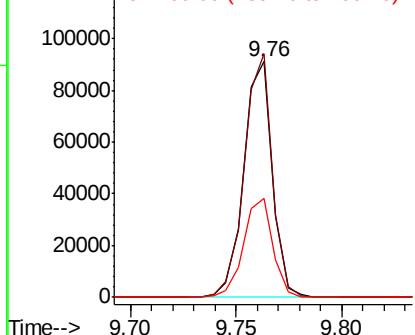
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 85516
 Ion Ratio Lower Upper
 164 100
 162 103.2 81.8 122.6
 160 42.0 34.4 51.6

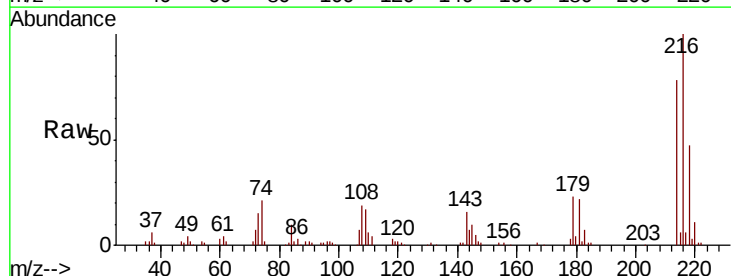


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

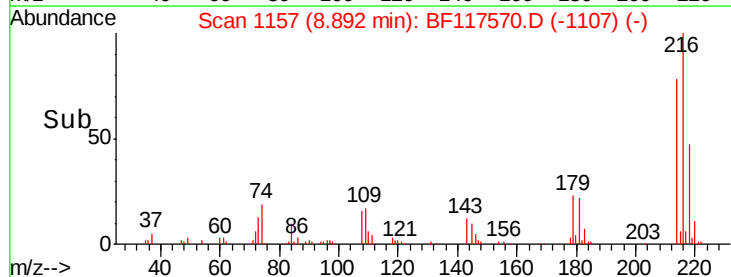
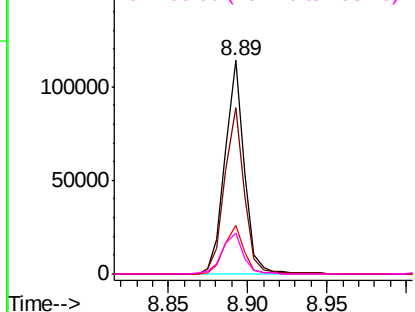


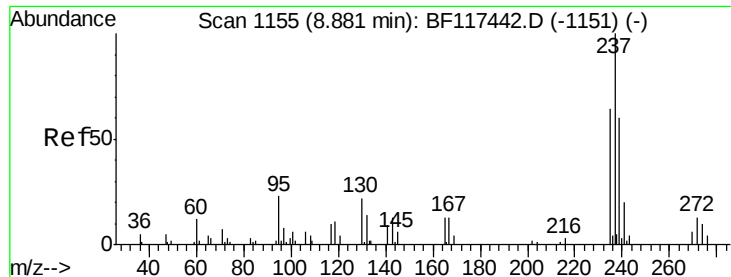
#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.956 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Tgt Ion:216 Resp: 96637
 Ion Ratio Lower Upper
 216 100
 214 79.1 62.4 93.6
 179 22.5 18.1 27.1
 108 20.8 16.6 24.8



Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 30.950 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampleId :

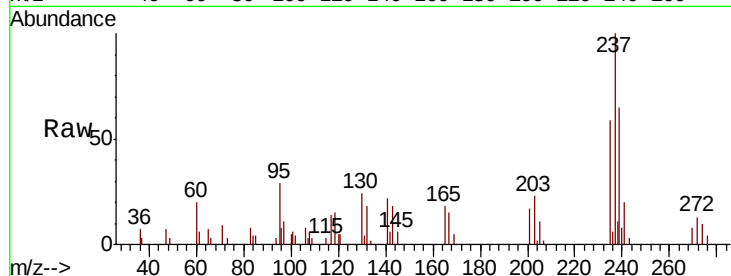
Tot Ion:237 Resp: 11737

Ion Ratio Lower Upper

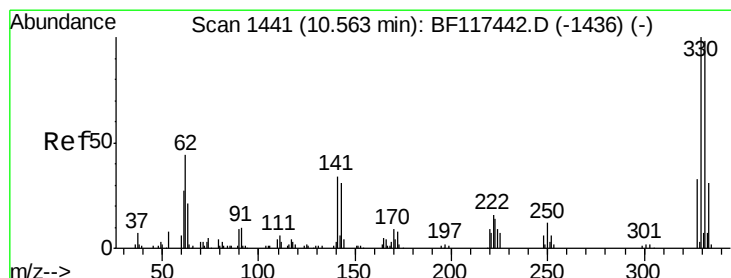
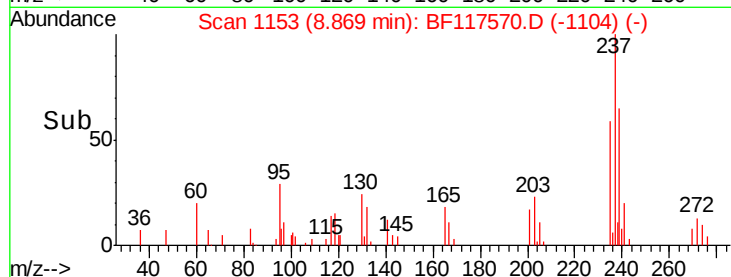
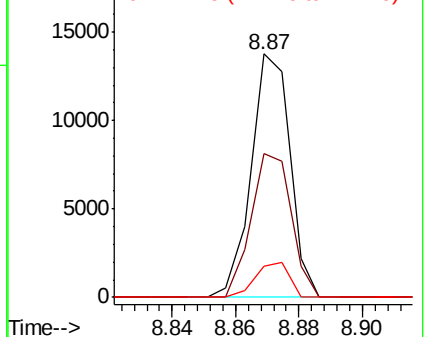
237 100

235 59.0 44.3 84.3

272 12.7 0.0 33.2



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: 70.855 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

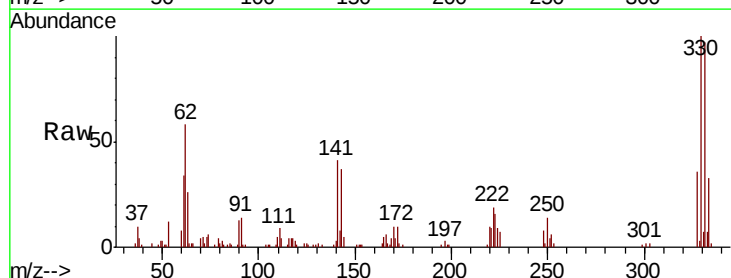
Tgt Ion:330 Resp: 52428

Ion Ratio Lower Upper

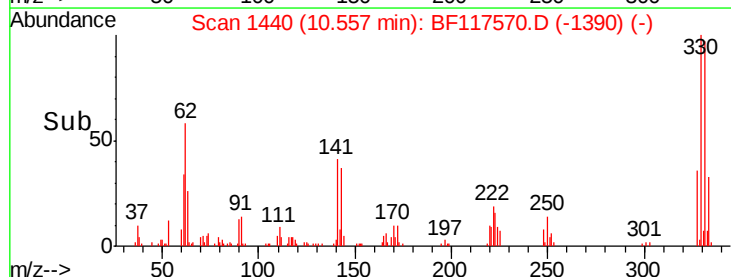
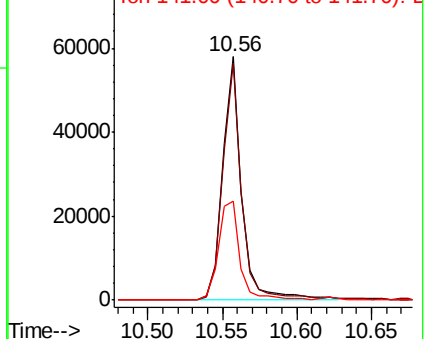
330 100

332 96.4 78.5 117.7

141 45.6 37.0 55.6



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

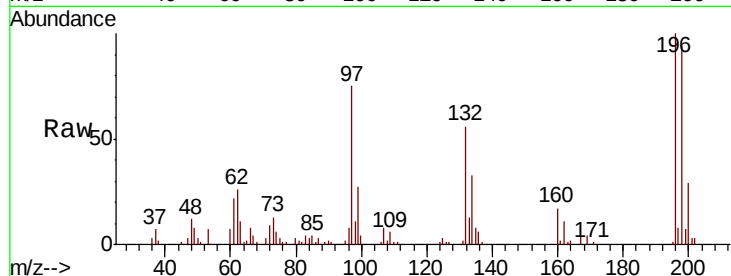




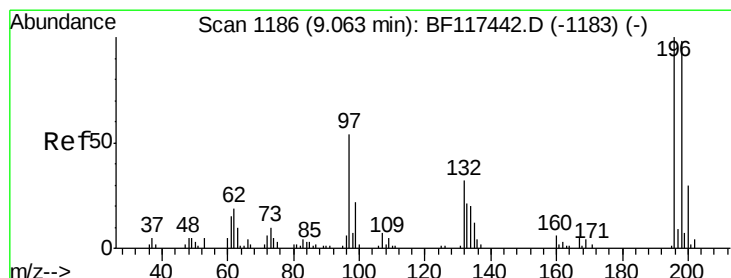
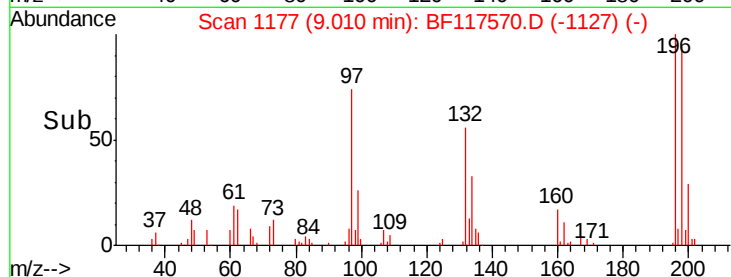
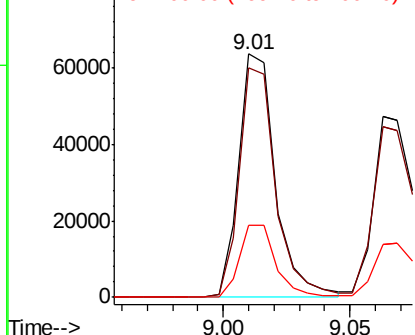
#43
 2,4,6-Trichlorophenol
 Concen: 44.518 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:196 Resp: 64212
 Ion Ratio Lower Upper
 196 100
 198 94.1 74.1 111.1
 200 29.4 23.9 35.9



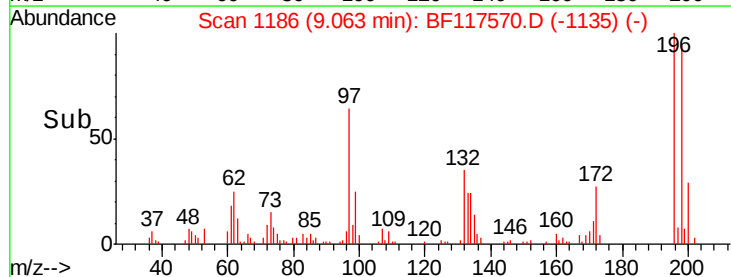
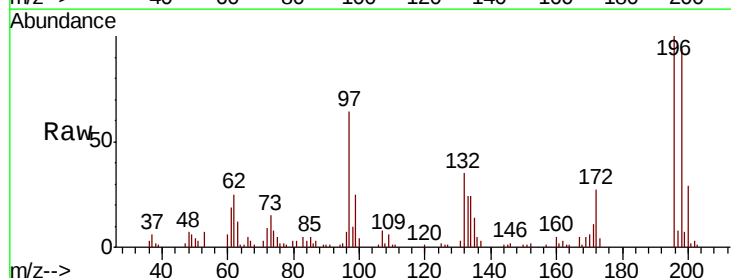
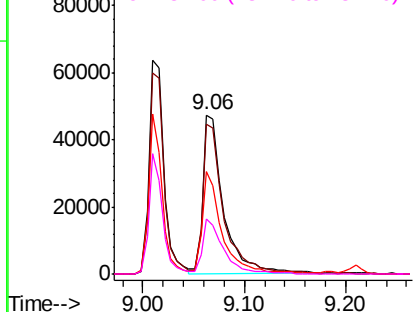
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

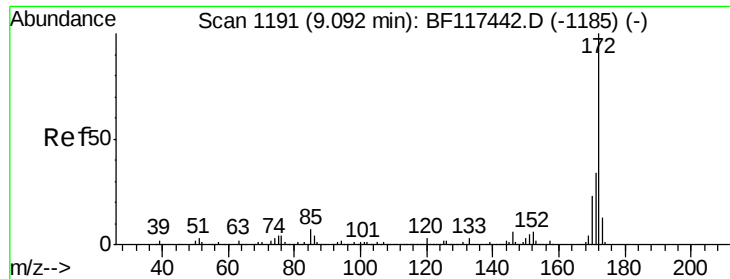


#44
 2,4,5-Trichlorophenol
 Concen: 45.333 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Tgt Ion:196 Resp: 66259
 Ion Ratio Lower Upper
 196 100
 198 94.0 78.6 117.8
 97 64.3 43.4 65.2
 132 34.9 26.0 39.0

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

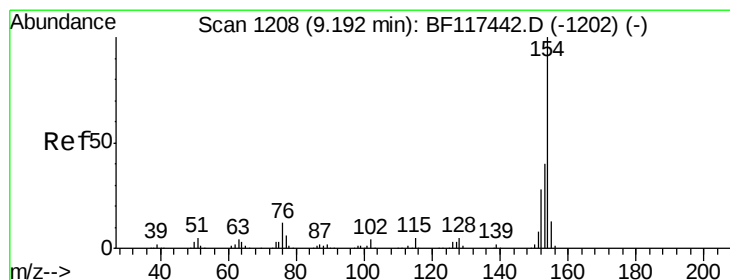
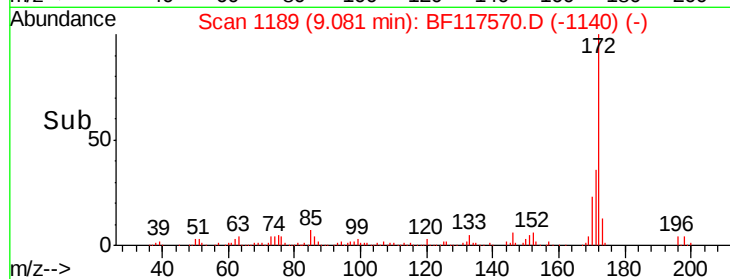
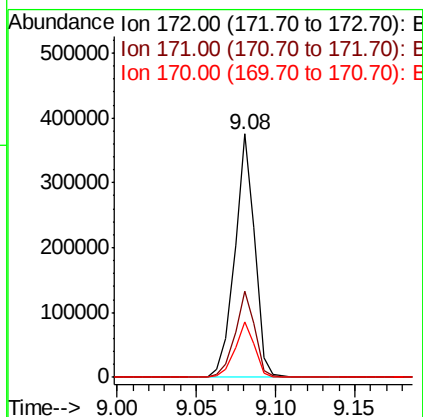
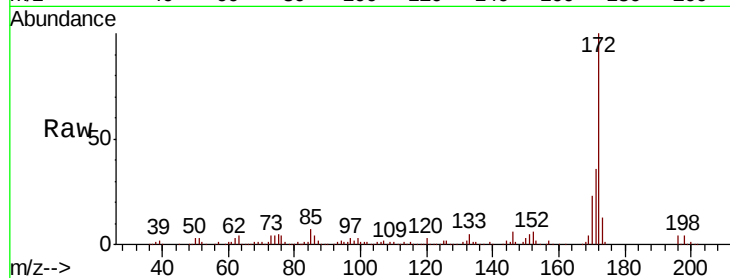




#45
2-Fluorobiphenyl
Concen: 53.819 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

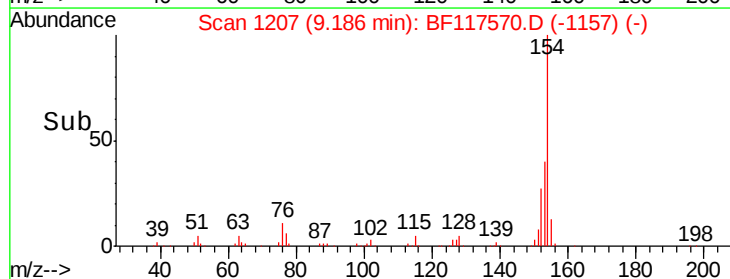
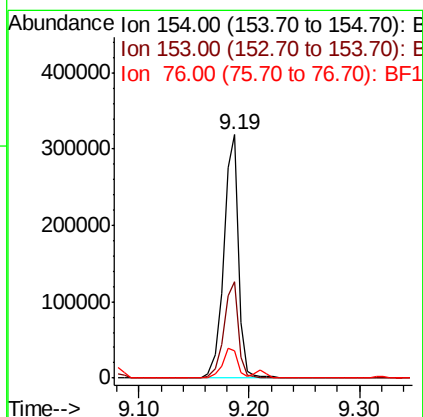
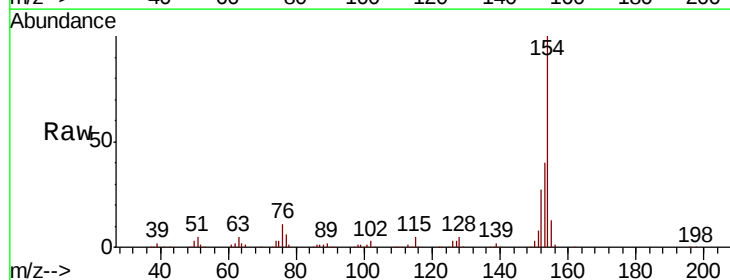
Instrument :
BNA_E
ClientSampleId :

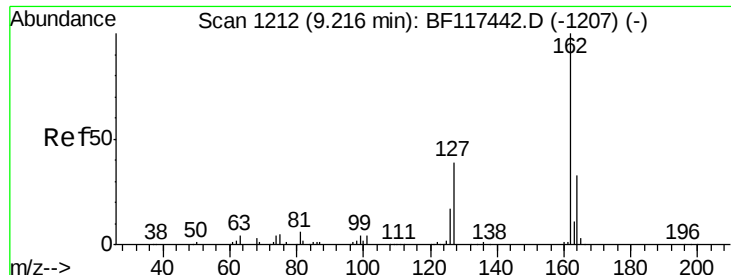
Tot Ion:172 Resp: 326646
Ion Ratio Lower Upper
172 100
171 35.6 27.5 41.3
170 22.9 18.6 27.8



#46
1,1'-Biphenyl
Concen: 41.945 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion:154 Resp: 296953
Ion Ratio Lower Upper
154 100
153 39.5 20.2 60.2
76 11.2 0.0 32.1

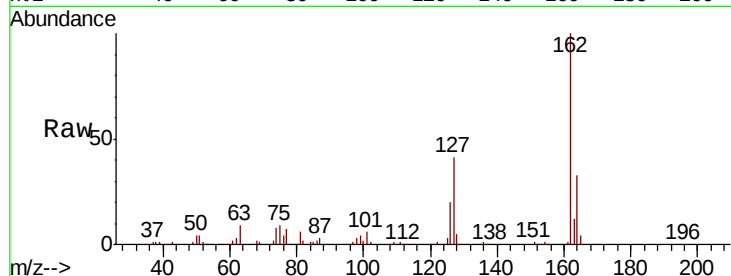




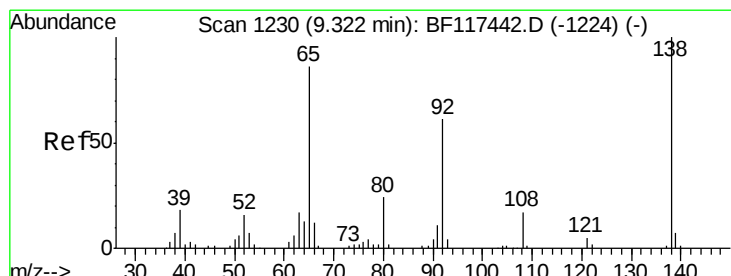
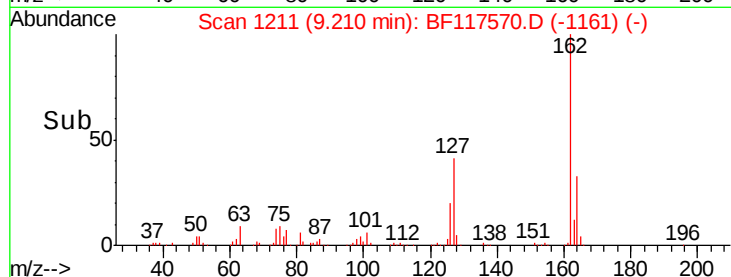
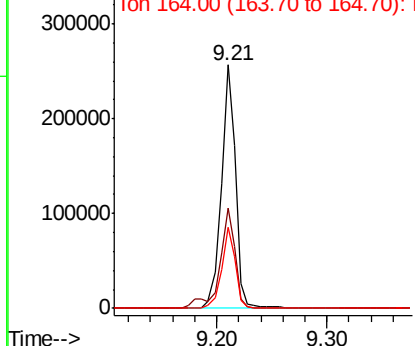
#47
 2-Chloronaphthalene
 Concen: 42.883 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:	162	Resp:	228902
Ion	Ratio	Lower	Upper
162	100		
127	41.1	34.2	51.4
164	33.2	26.4	39.6

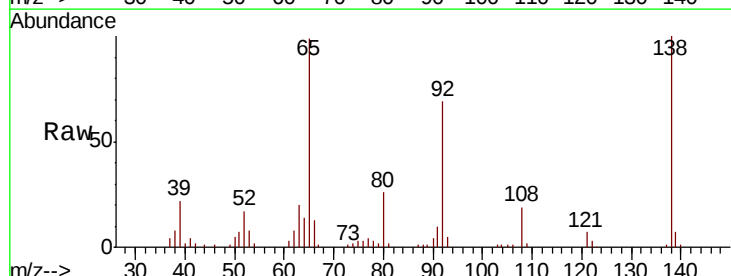


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

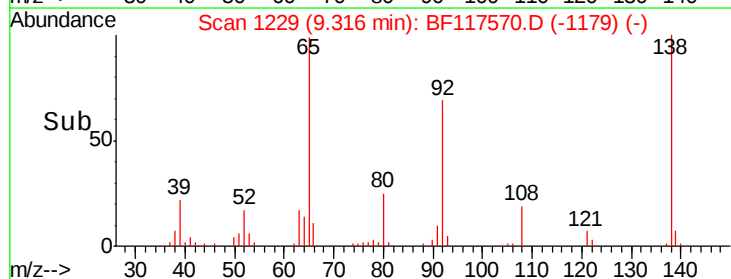
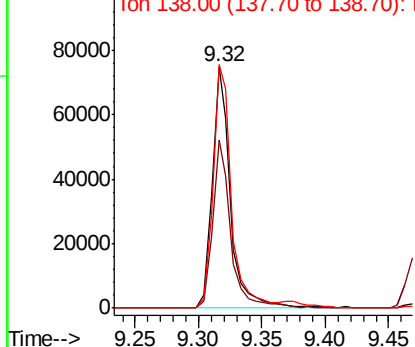


#48
 2-Nitroaniline
 Concen: 43.098 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Tgt Ion:	65	Resp:	75522
Ion	Ratio	Lower	Upper
65	100		
92	69.8	57.3	85.9
138	100.9	93.3	139.9



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: 46.047 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampleId :

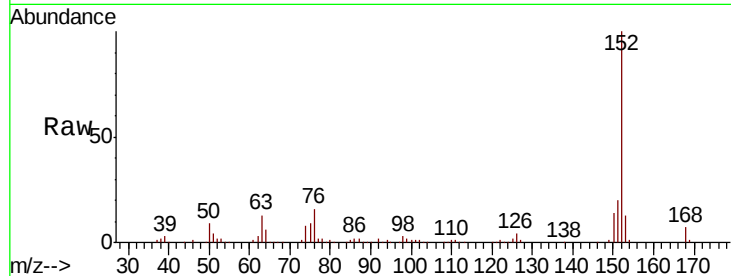
Tot Ion:152 Resp: 361029

Ion Ratio Lower Upper

152 100

151 19.6 15.4 23.0

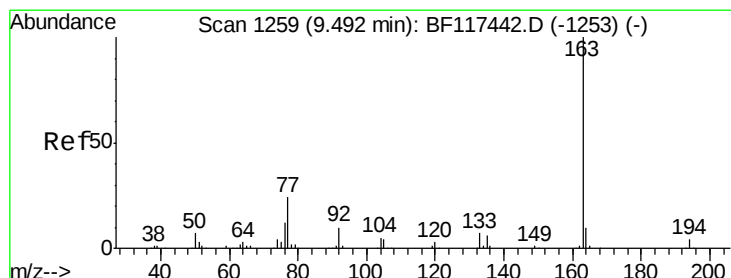
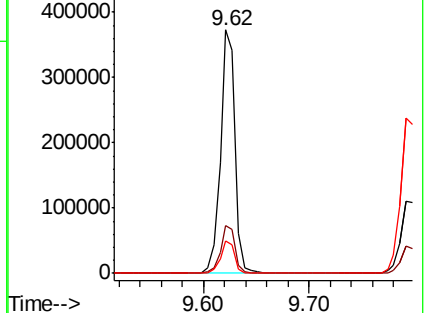
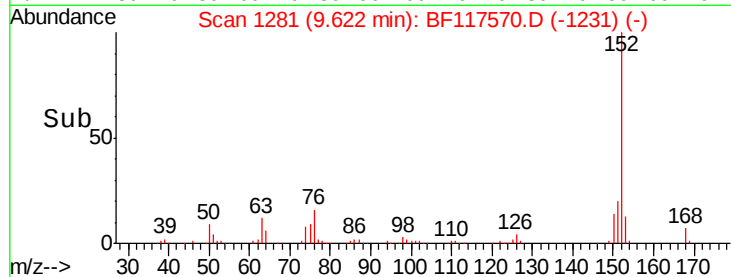
153 13.1 10.3 15.5



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: 50.343 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

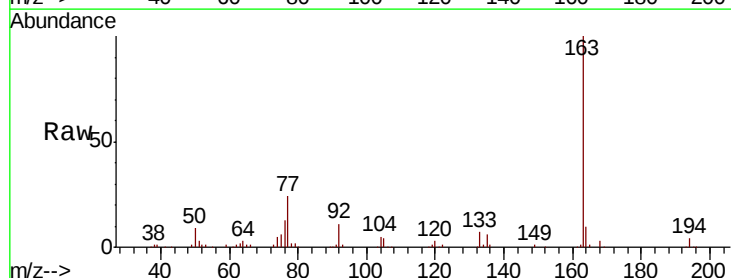
Tgt Ion:163 Resp: 306908

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

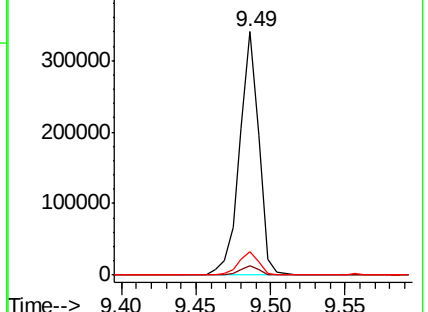
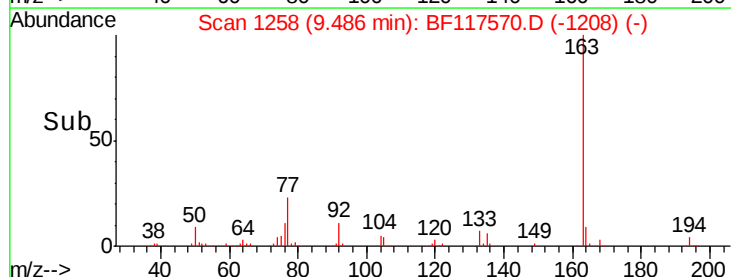
164 9.6 8.2 12.2

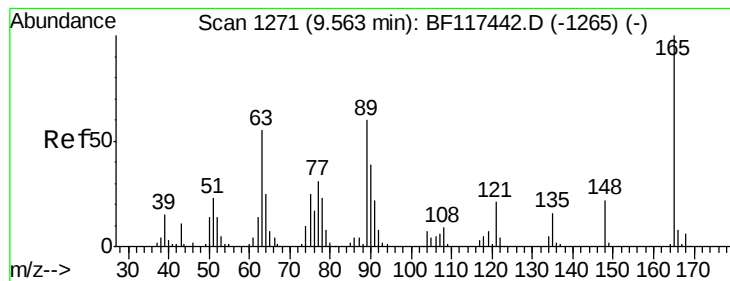


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 45.525 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampled :

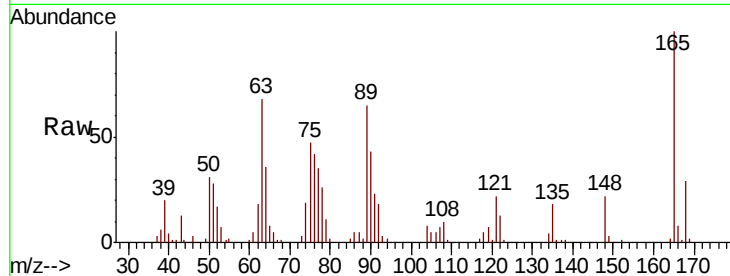
Tot Ion:165 Resp: 57915

Ion Ratio Lower Upper

165 100

63 68.2 43.8 65.8#

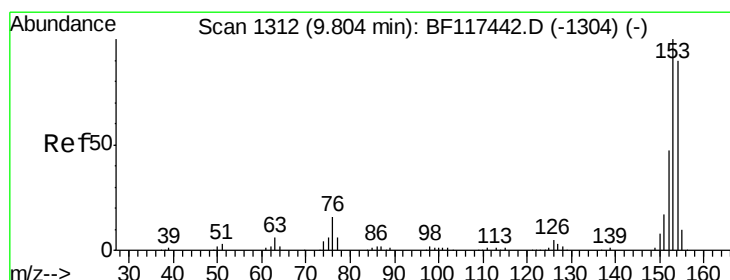
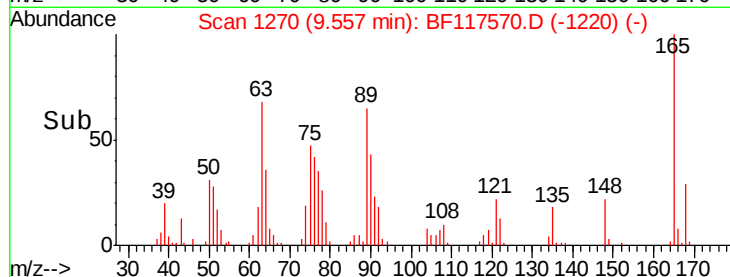
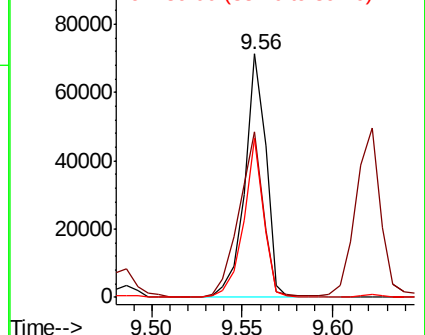
89 65.1 47.6 71.4



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: 43.678 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

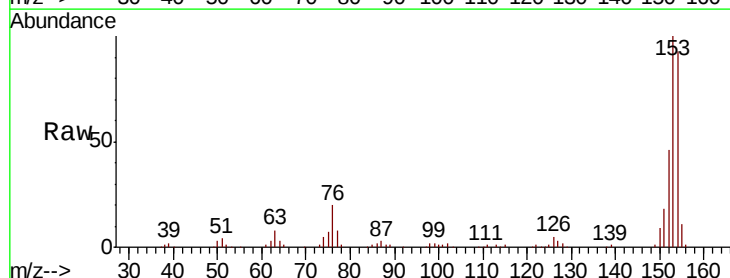
Tgt Ion:154 Resp: 210104

Ion Ratio Lower Upper

154 100

153 108.0 89.2 133.8

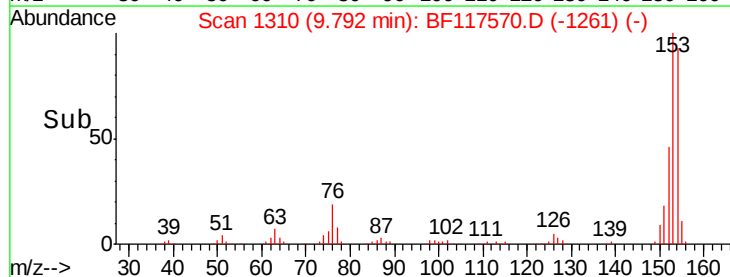
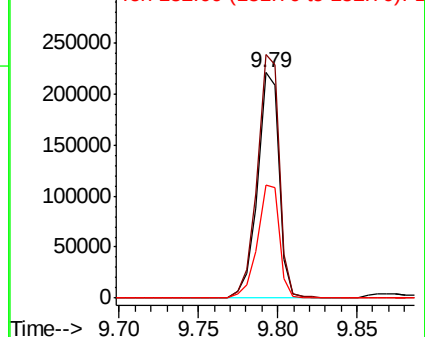
152 50.2 41.8 62.6

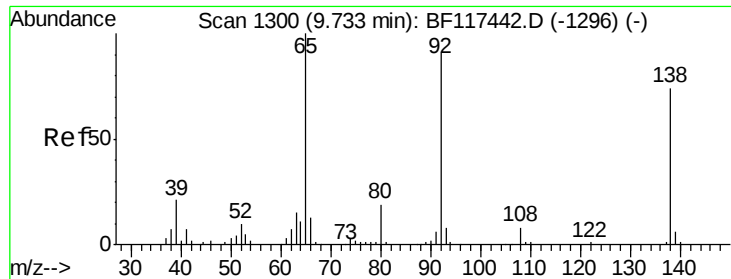


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

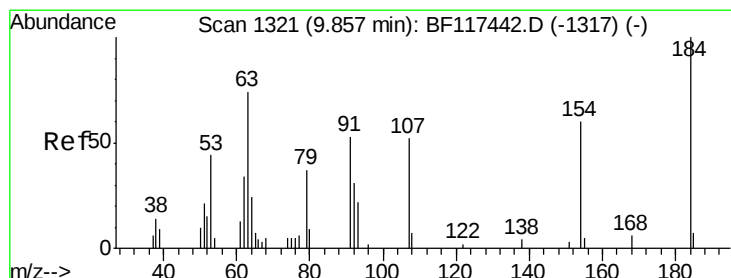
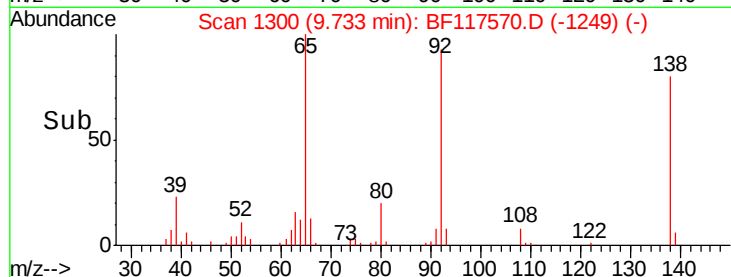
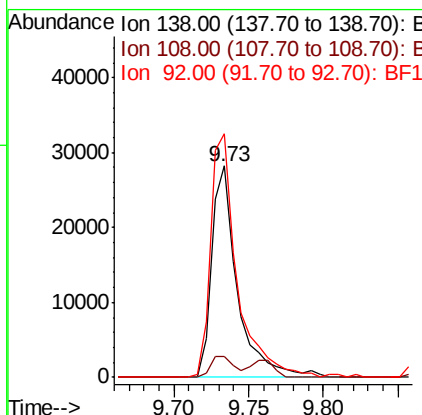
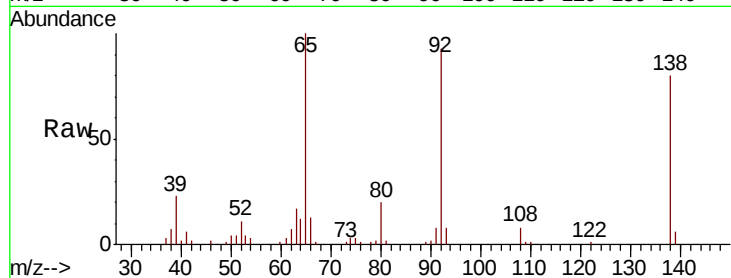




#53
 3-Nitroaniline
 Concen: 21.819 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

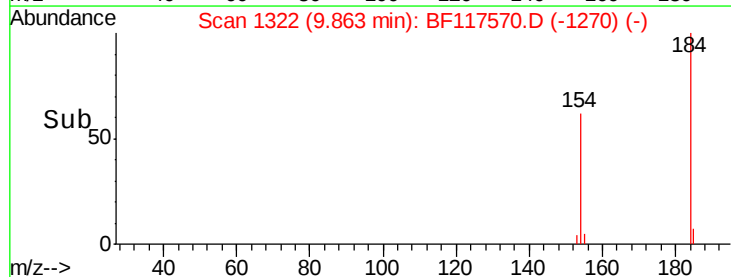
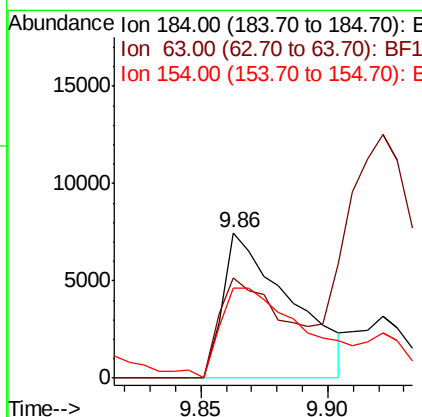
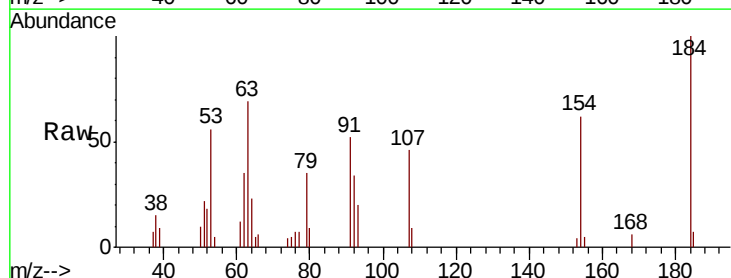
Instrument :
 BNA_E
 ClientSampleId :

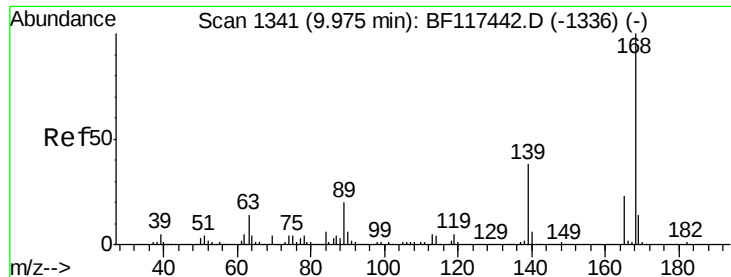
Tot Ion:138 Resp: 33678
 Ion Ratio Lower Upper
 138 100
 108 10.0 8.7 13.1
 92 115.4 98.4 147.6



#54
 2,4-Dinitrophenol
 Concen: 29.321 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Tgt Ion:184 Resp: 13840
 Ion Ratio Lower Upper
 184 100
 63 68.6 59.2 88.8
 154 62.0 53.4 80.0

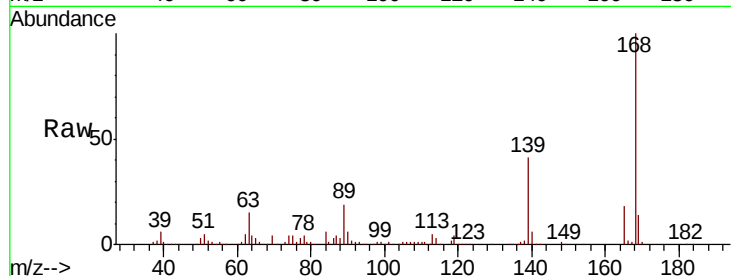




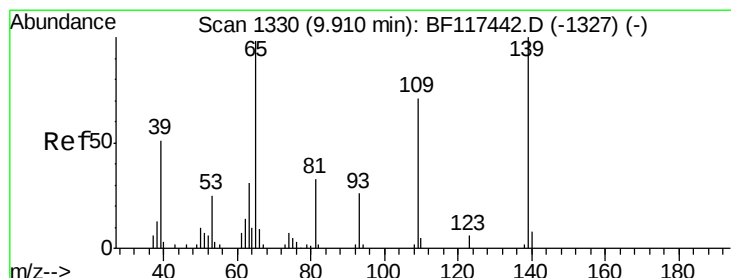
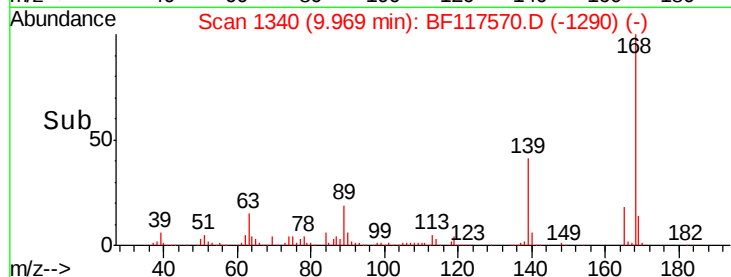
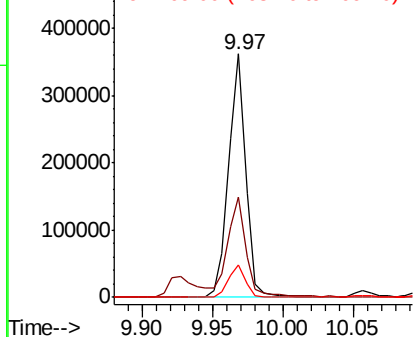
#55
Dibenzenofuran
Concen: 44.187 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampled :

Tot Ion:168 Resp: 307948
Ion Ratio Lower Upper
168 100
139 40.9 31.8 47.6
169 13.6 11.2 16.8

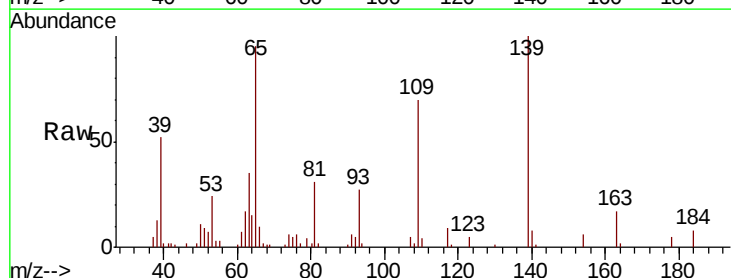


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

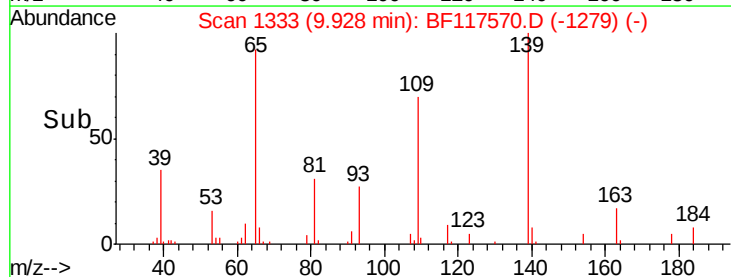
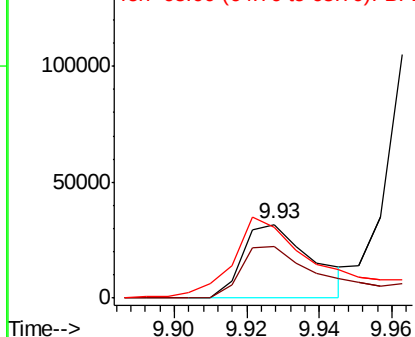


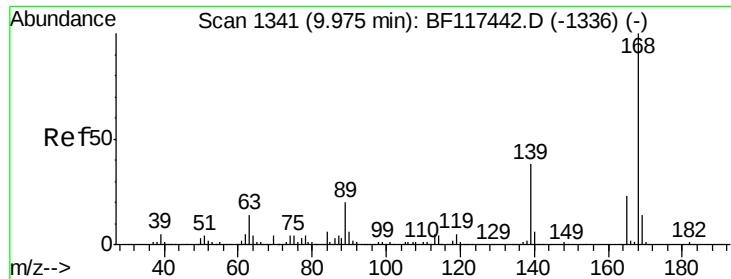
#56
4-Nitrophenol
Concen: 60.532 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.02 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion:139 Resp: 42256
Ion Ratio Lower Upper
139 100
109 70.2 51.4 91.4
65 95.1 79.4 119.4



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

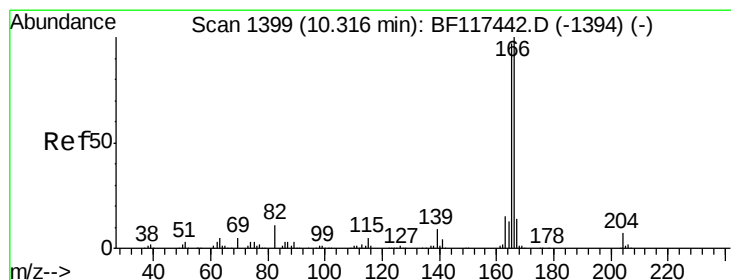
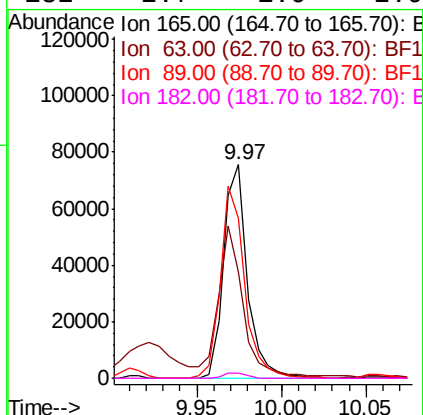
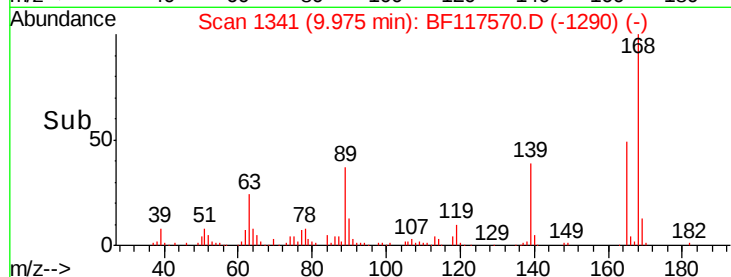
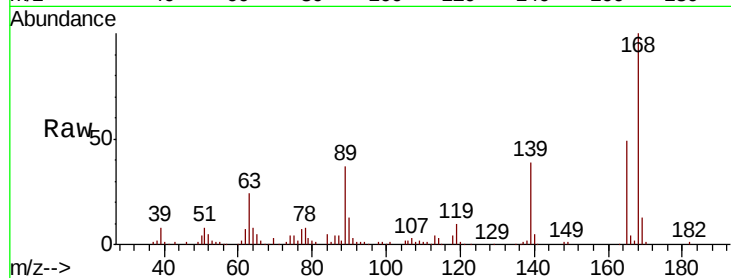




#57
2,4-Dinitrotoluene
Concen: 43.605 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

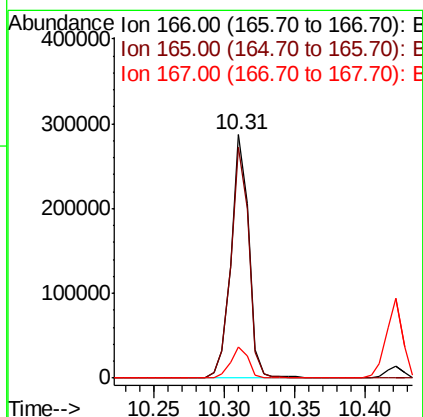
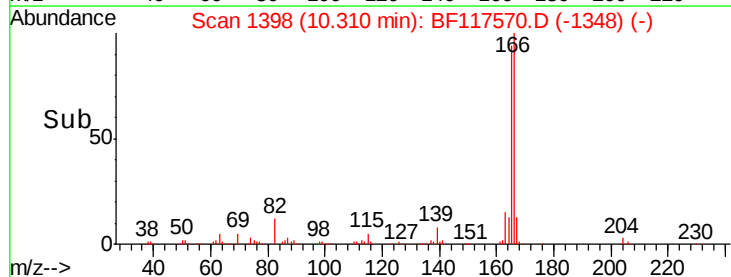
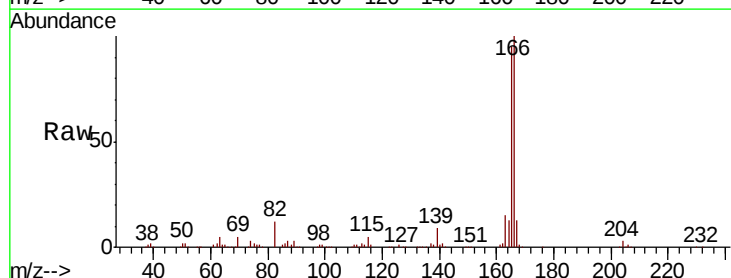
Instrument :
BNA_E
ClientSampleId :

Tot Ion:165 Resp: 73752
Ion Ratio Lower Upper
165 100
63 49.7 51.4 77.0#
89 75.2 69.9 104.9
182 2.7 1.9 2.9



#58
Fluorene
Concen: 43.543 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion:166 Resp: 250952
Ion Ratio Lower Upper
166 100
165 94.7 77.6 116.4
167 12.8 11.0 16.4

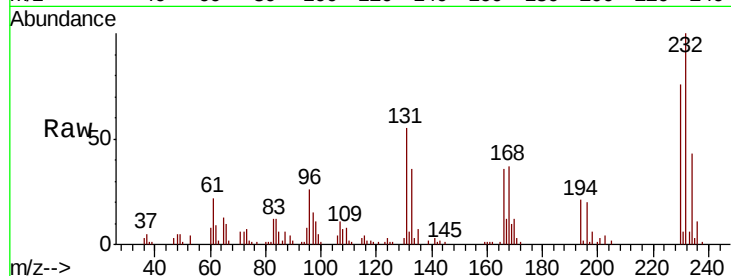




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 43.055 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
232	100		
131	54.6	42.6	63.8
130	2.3	2.2	3.4
166	33.8	27.5	41.3



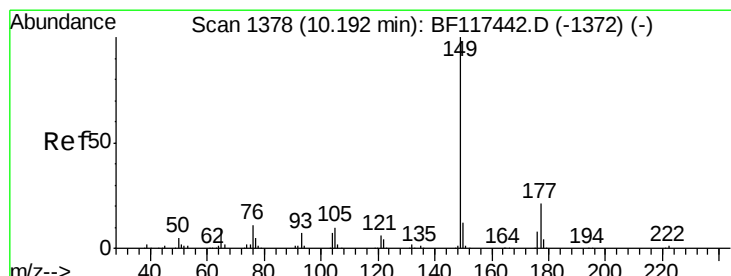
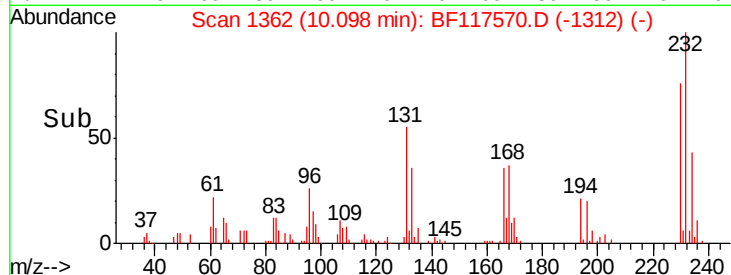
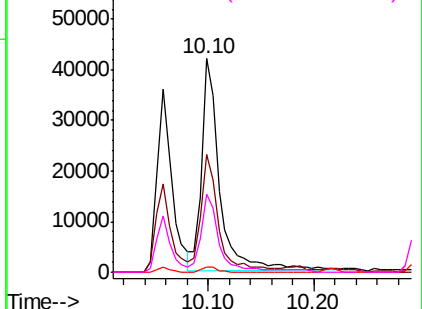
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

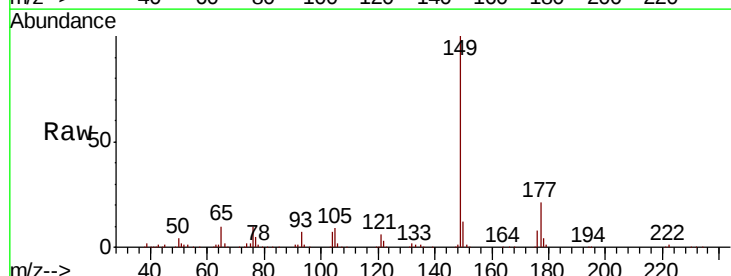
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 42.121 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.8	17.0	25.4
150	12.2	9.8	14.6

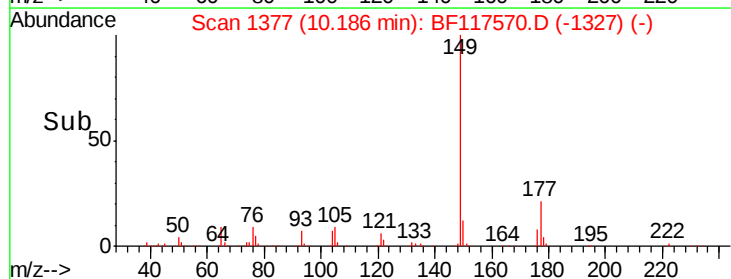
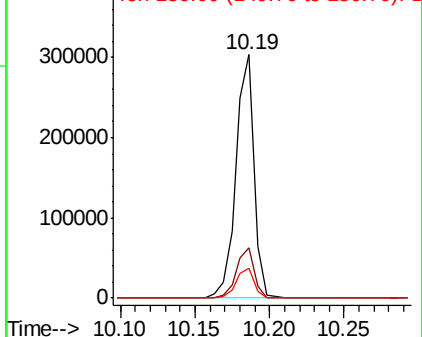


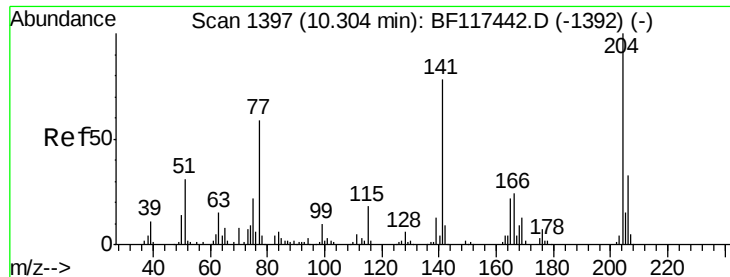
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

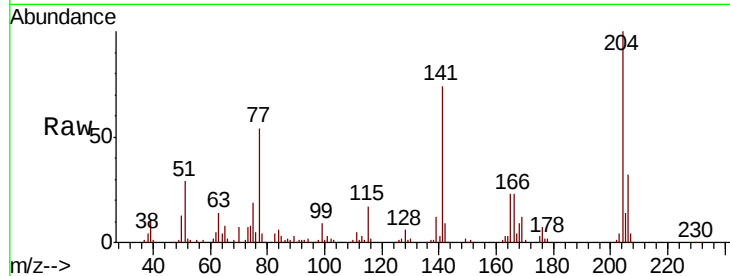




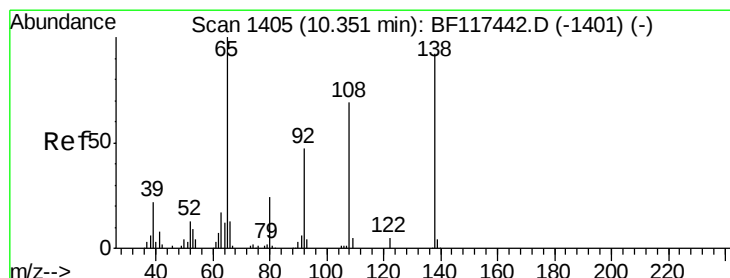
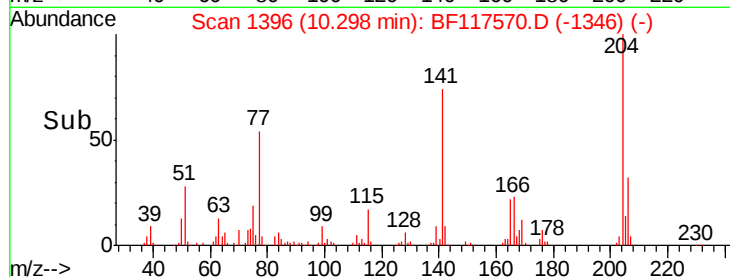
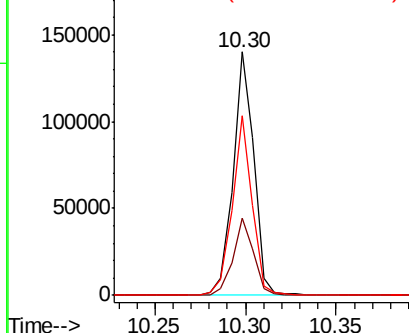
#61
4-Chlorophenyl-phenylether
Concen: 43.075 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampled :

Tot Ion:204 Resp: 111379
Ion Ratio Lower Upper
204 100
206 31.6 26.3 39.5
141 73.6 62.2 93.4

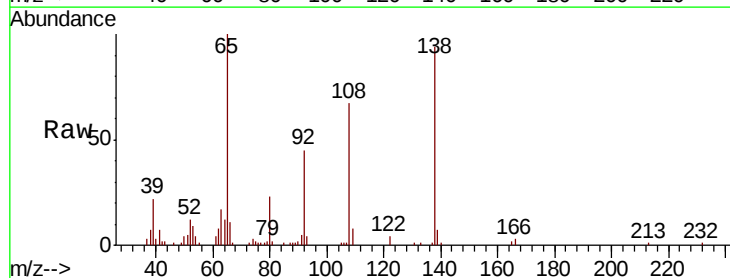


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

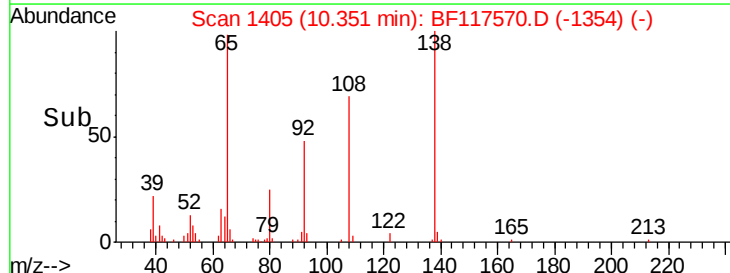
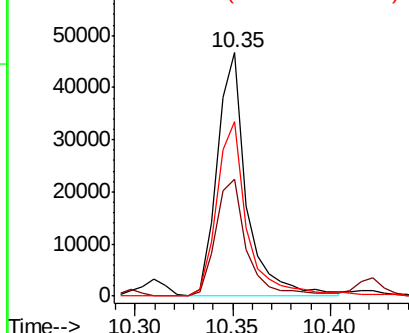


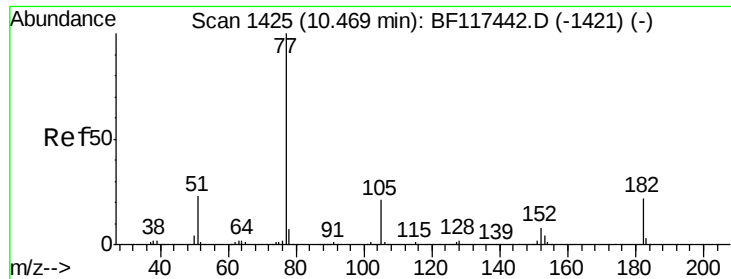
#62
4-Nitroaniline
Concen: 33.530 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion:138 Resp: 48783
Ion Ratio Lower Upper
138 100
92 48.3 30.3 70.3
108 71.9 54.9 94.9



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

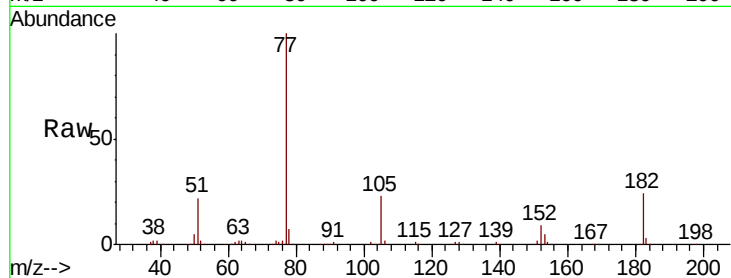




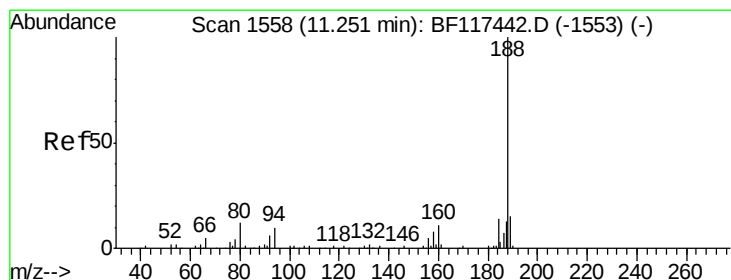
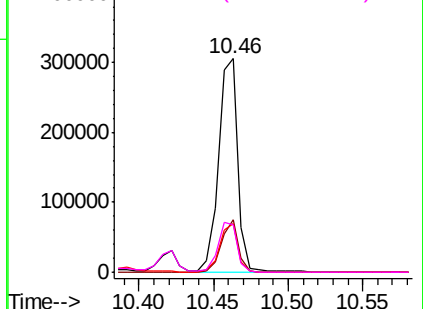
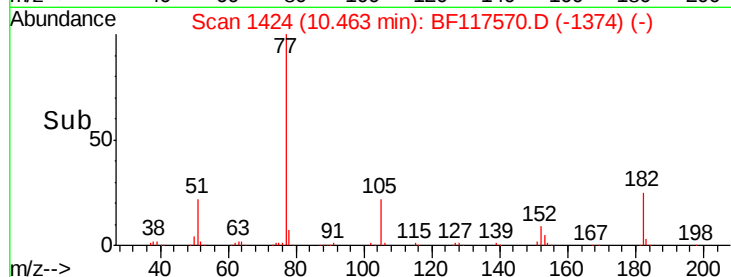
#63
Azobenzene
Concen: 43.749 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampleId :

Tot Ion:	77	Resp:	276160
Ion	Ratio	Lower	Upper
77	100		
182	24.4	2.3	42.3
105	22.8	1.3	41.3
51	22.5	3.5	43.5

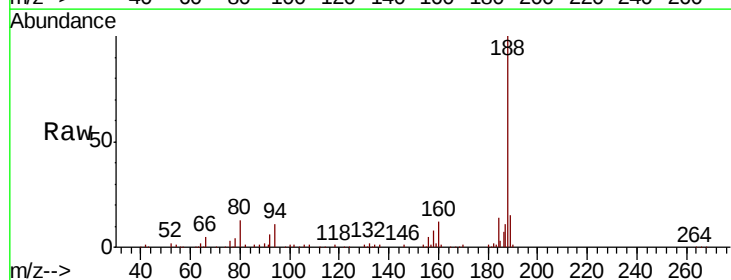


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

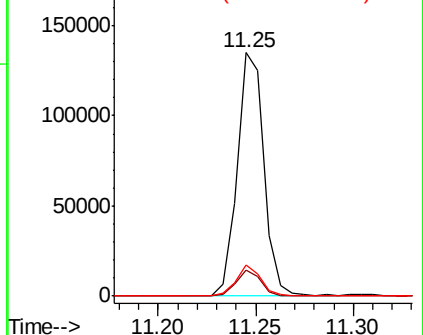
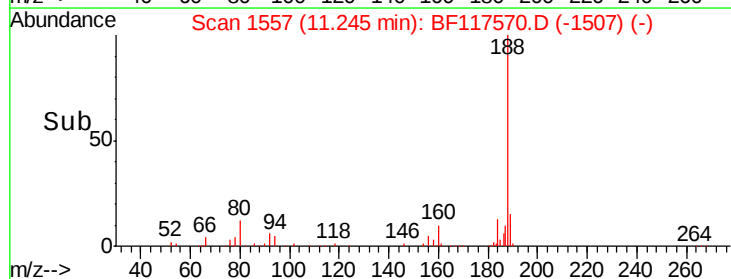


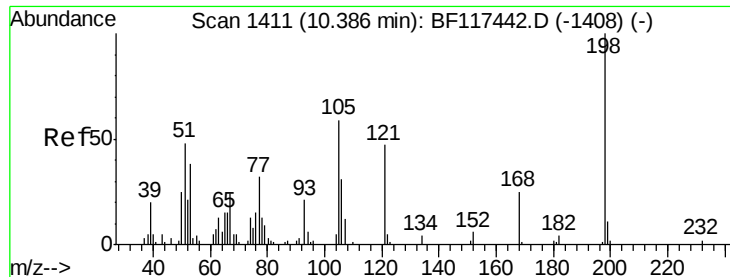
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion:	188	Resp:	127985
Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.0	12.0
80	12.9	9.5	14.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 24.203 ng

RT: 10.39 min Scan# 1412

Delta R.T. 0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampled :

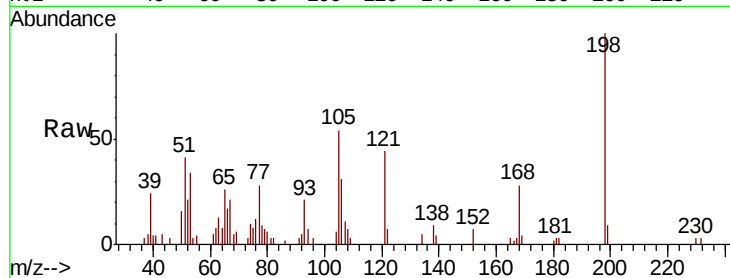
Tot Ion:198 Resp: 15749

Ion Ratio Lower Upper

198 100

51 40.9 29.1 69.1

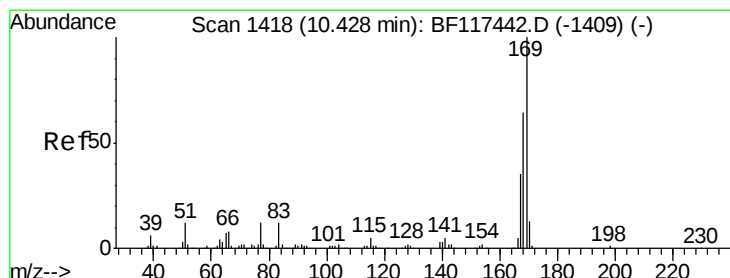
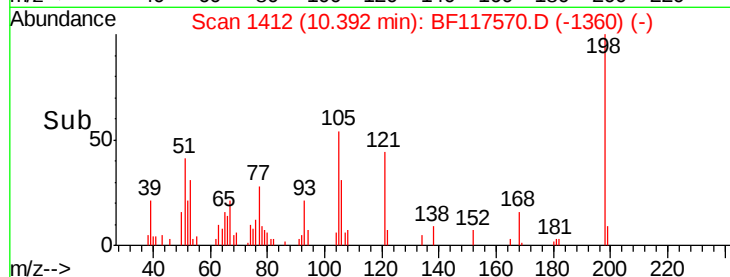
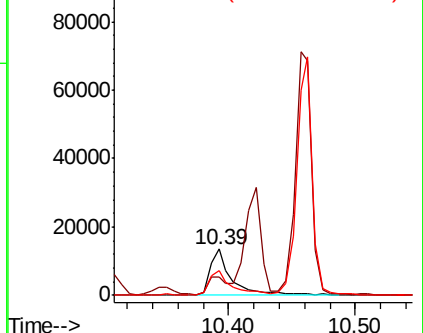
105 54.3 39.4 79.4



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: 46.560 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

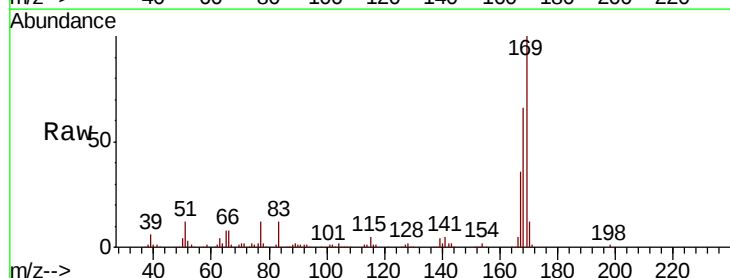
Tgt Ion:169 Resp: 217850

Ion Ratio Lower Upper

169 100

168 66.0 51.3 76.9

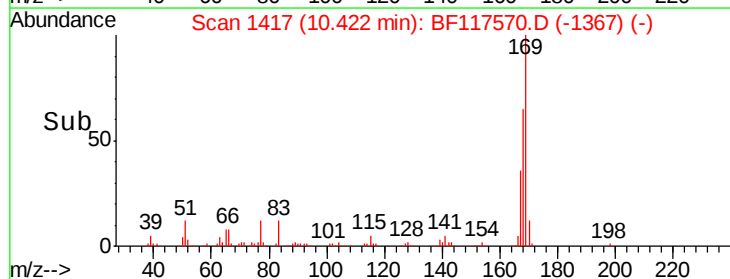
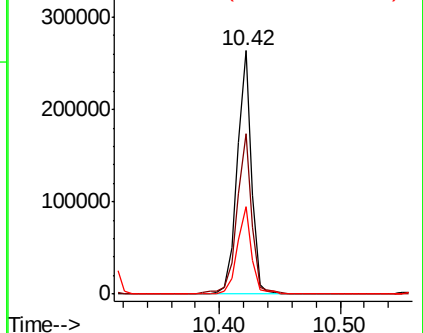
167 35.9 28.2 42.4



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

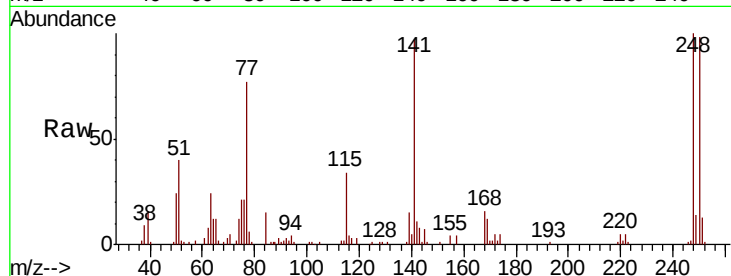




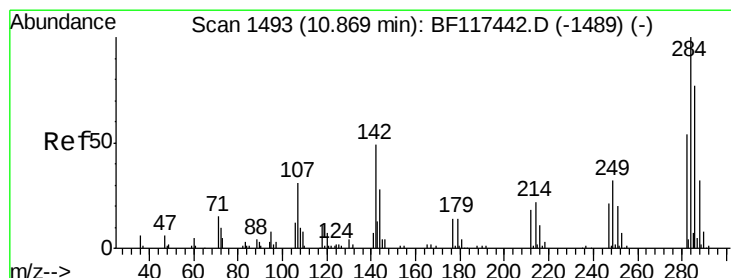
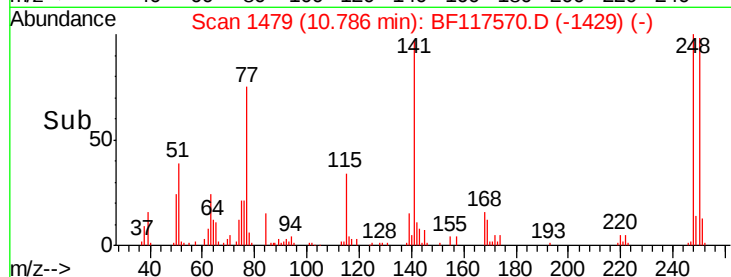
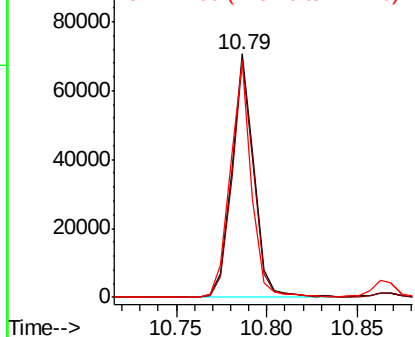
#67
 4-Bromophenyl-phenylether
 Concen: 43.646 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:248 Resp: 60168
 Ion Ratio Lower Upper
 248 100
 250 97.8 78.0 117.0
 141 96.8 81.7 122.5

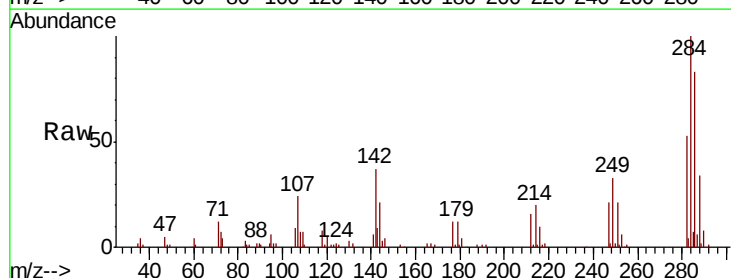


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

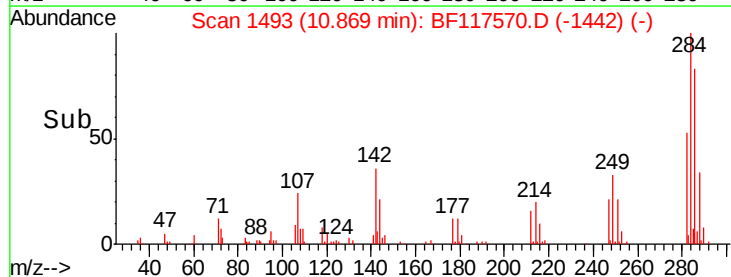
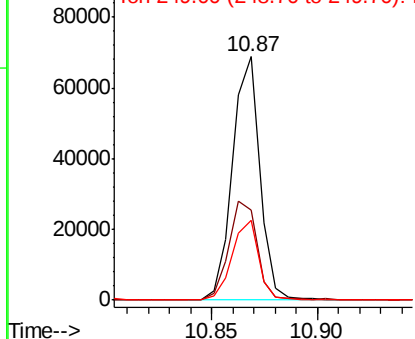


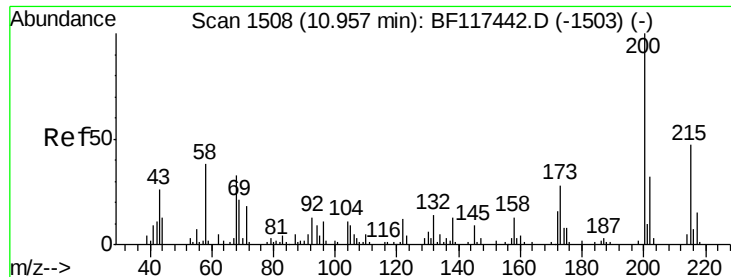
#68
 Hexachlorobenzene
 Concen: 41.479 ng
 RT: 10.87 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Tgt Ion:284 Resp: 61238
 Ion Ratio Lower Upper
 284 100
 142 36.8 39.0 58.6#
 249 32.8 25.7 38.5



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

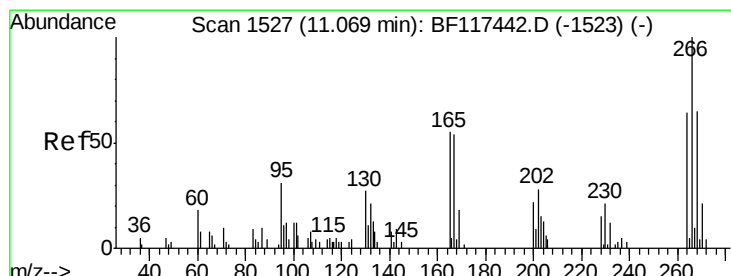
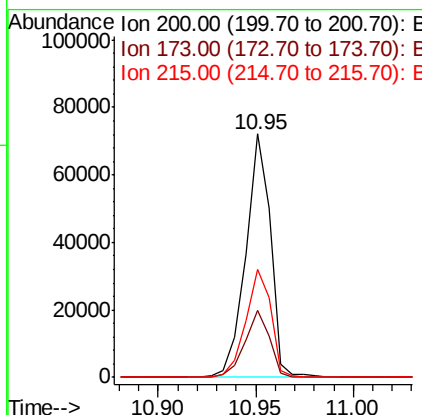
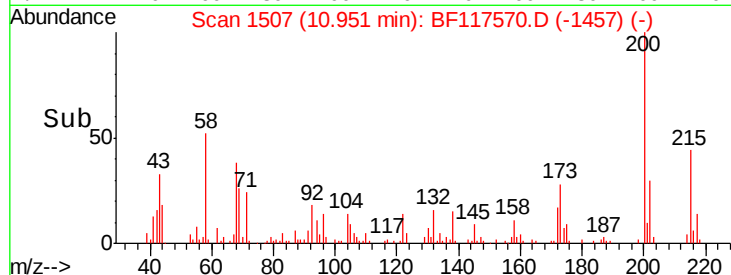
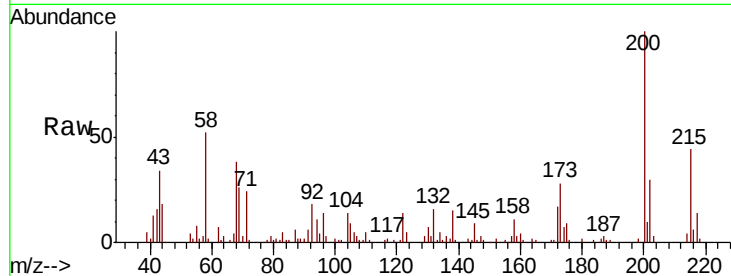




#69
Atrazine
Concen: 53.155 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

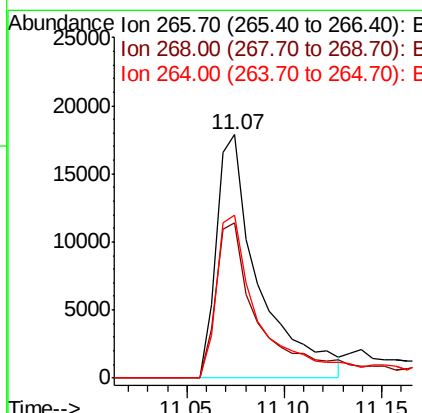
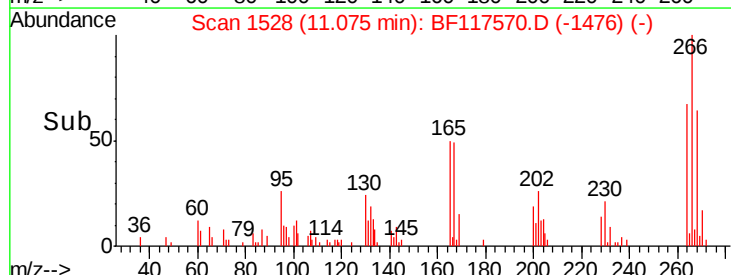
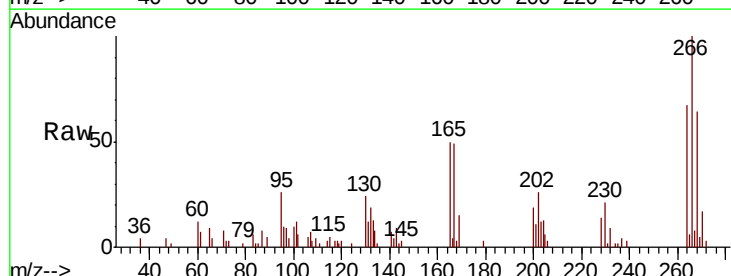
Instrument :
BNA_E
ClientSampled :

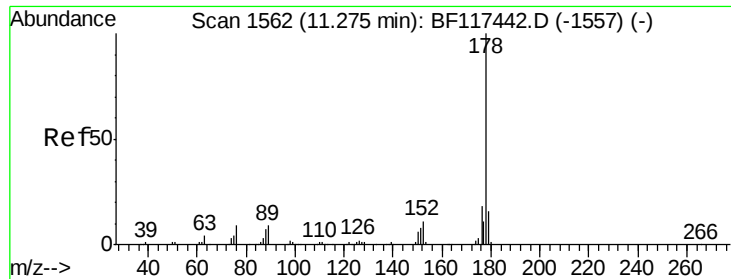
Tot Ion	Ratio	Lower	Upper
200	100		
173	27.6	8.2	48.2
215	44.4	26.8	66.8



#70
Pentachlorophenol
Concen: 61.042 ng
RT: 11.07 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.6	77.4
264	67.0	51.4	77.2

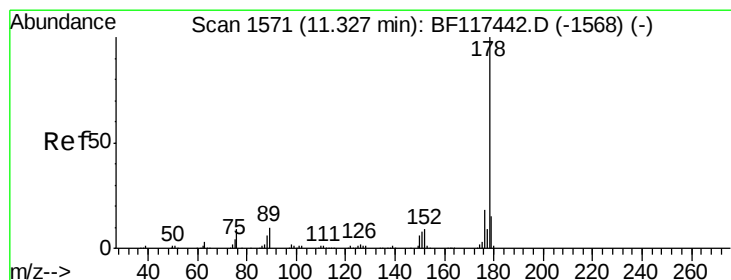
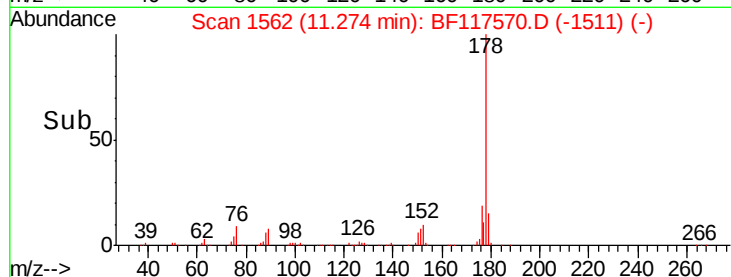
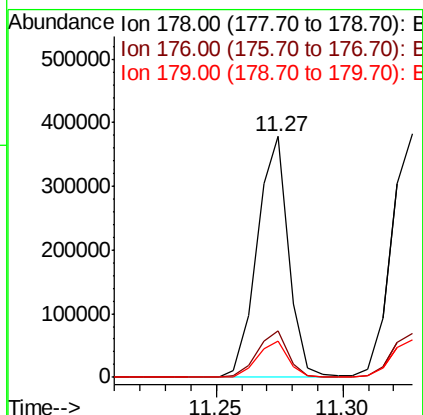
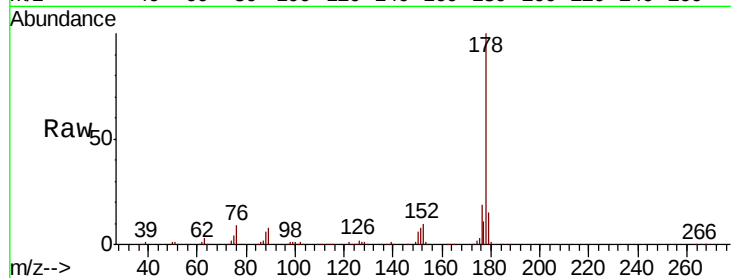




#71
Phenanthrene
Concen: 44.183 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

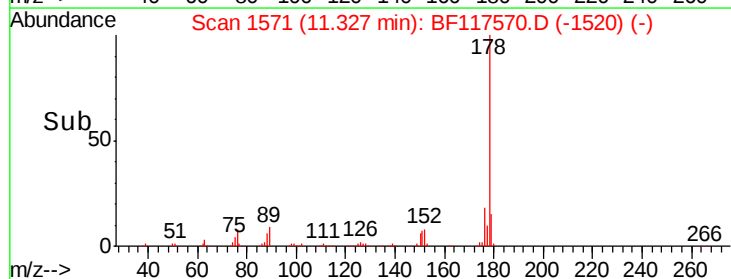
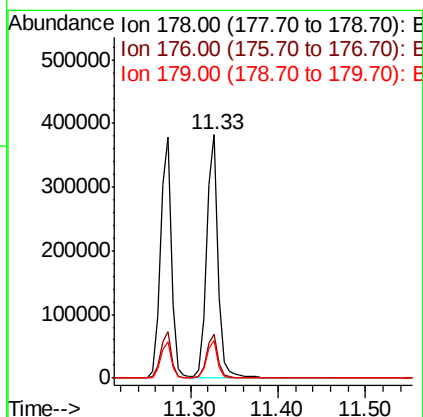
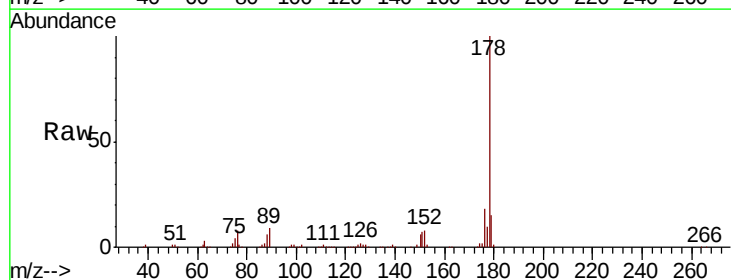
Instrument :
BNA_E
ClientSampleId :

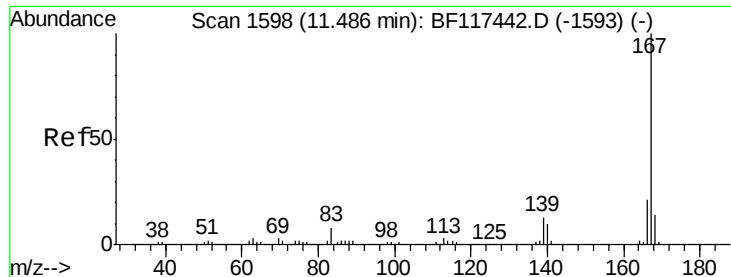
Tot Ion:178 Resp: 328351
Ion Ratio Lower Upper
178 100
176 19.1 14.6 22.0
179 15.3 12.6 19.0



#72
Anthracene
Concen: 45.570 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion:178 Resp: 347481
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 15.2 12.2 18.2





#73

Carbazole

Concen: 43.202 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampleId :

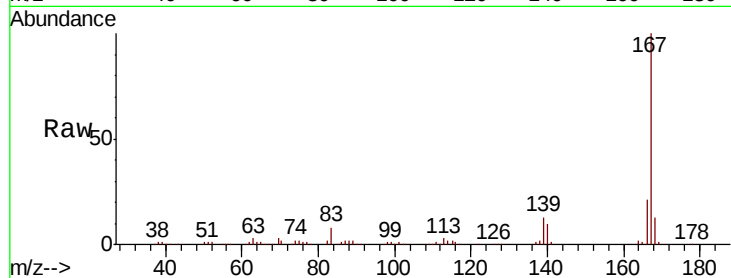
Tot Ion:167 Resp: 301058

Ion Ratio Lower Upper

167 100

166 20.8 17.0 25.6

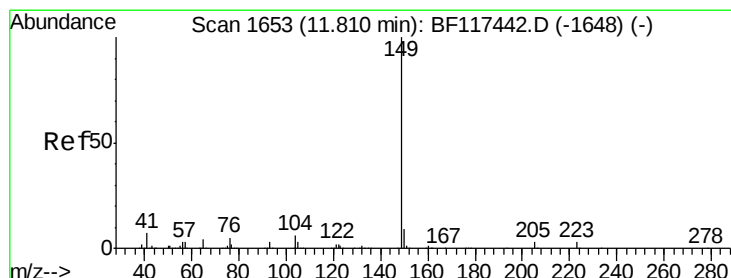
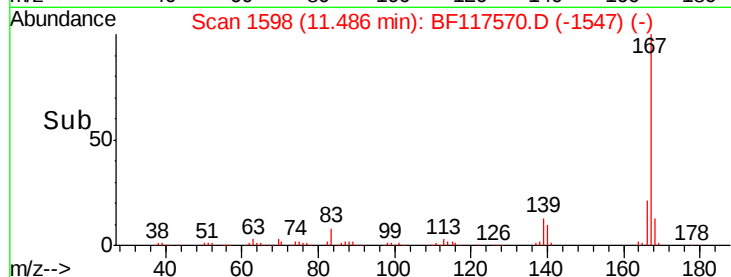
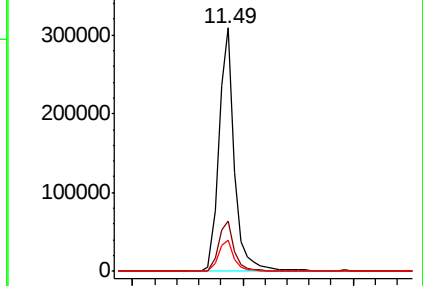
139 12.8 10.6 16.0



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: 43.086 ng

RT: 11.80 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

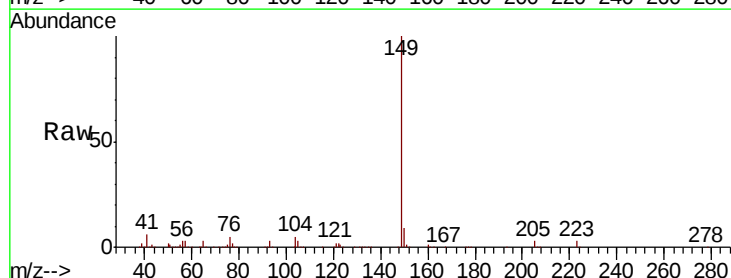
Tgt Ion:149 Resp: 401184

Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

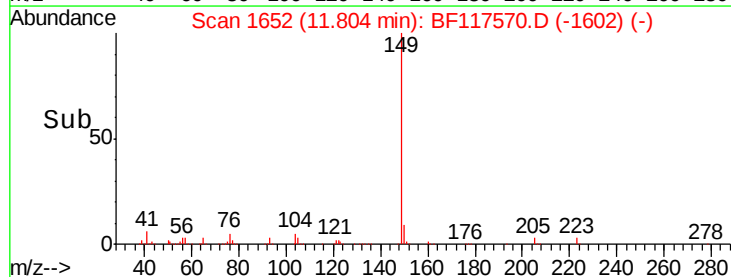
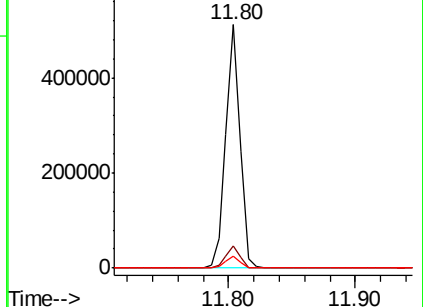
104 5.1 4.6 6.8

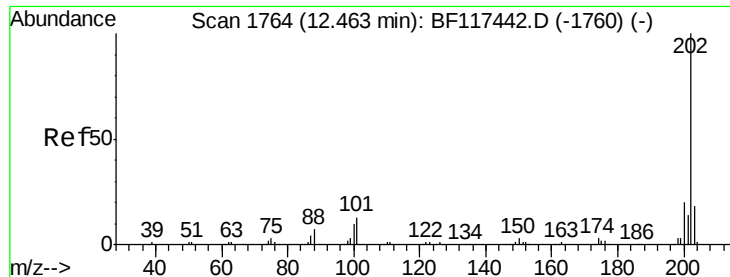


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

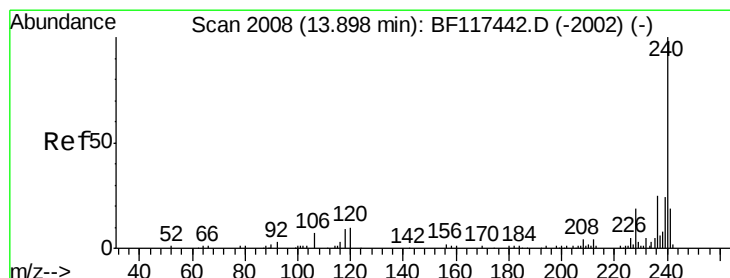
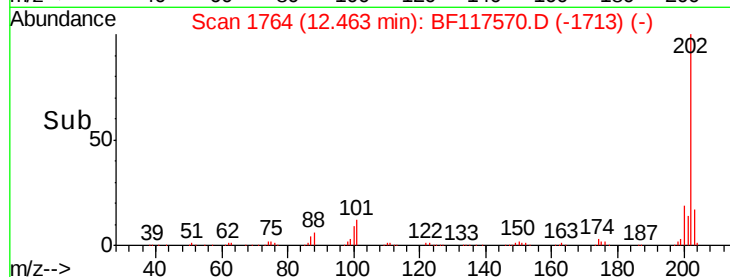
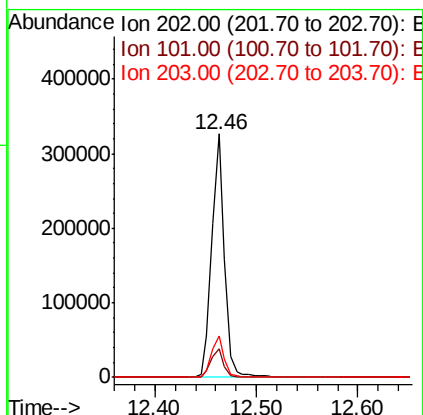
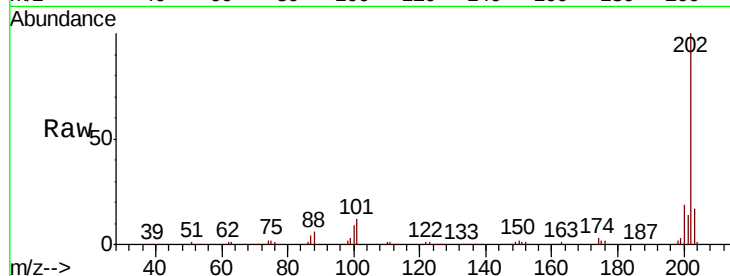




#75
 Fluoranthene
 Concen: 38.360 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

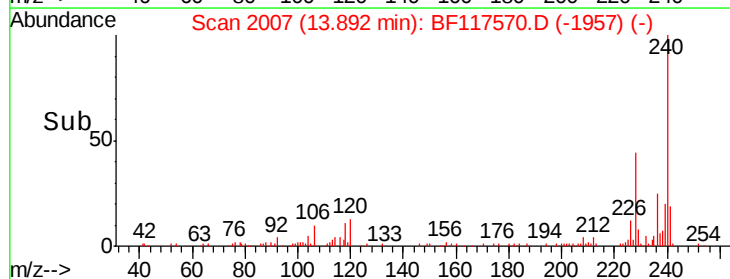
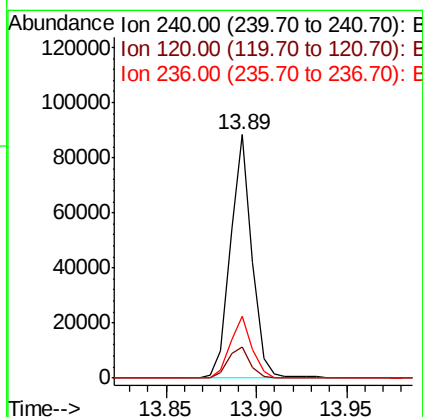
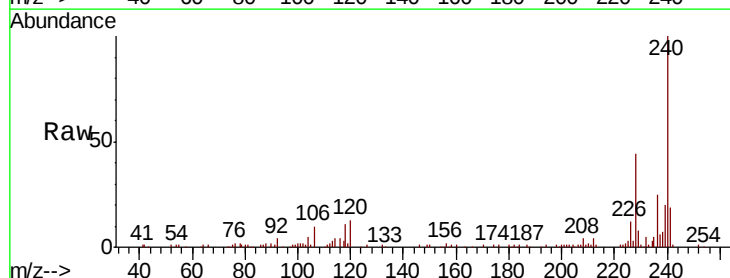
Instrument :
 BNA_E
 ClientSampleId :

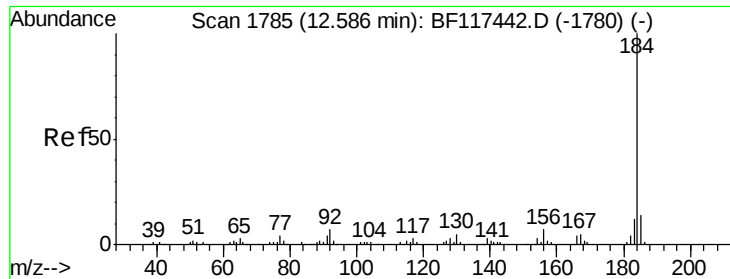
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.7
203	17.1	0.0	37.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	8.4	12.6
236	25.3	20.0	30.0





#77

Benzidine

Concen: Below Cal

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampled :

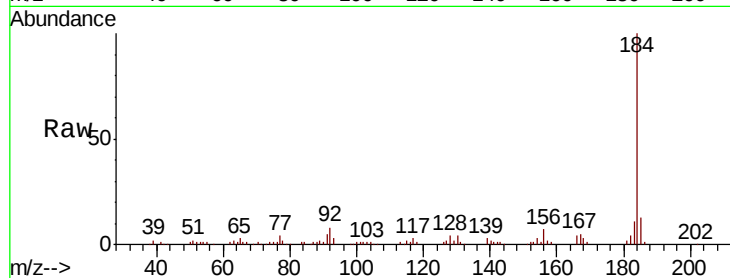
Tot Ion:184 Resp: 124998

Ion Ratio Lower Upper

184 100

185 13.4 11.4 17.0

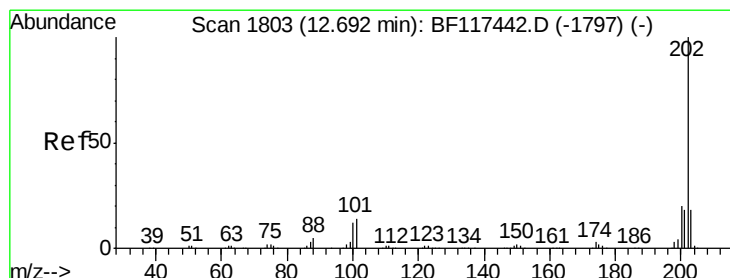
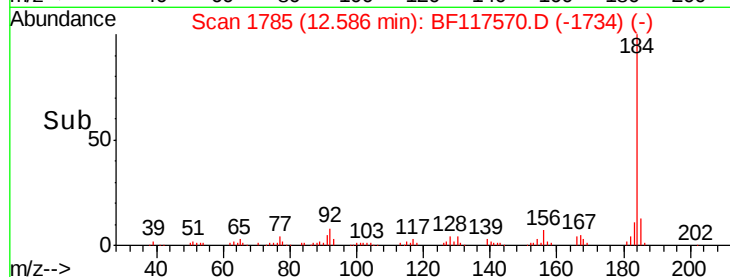
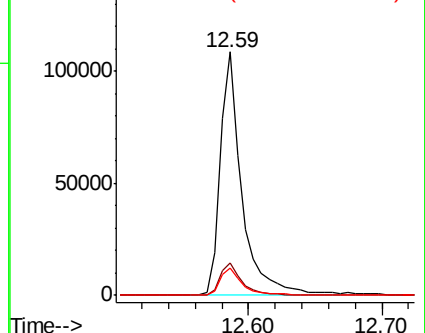
183 11.4 9.6 14.4



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: 44.298 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

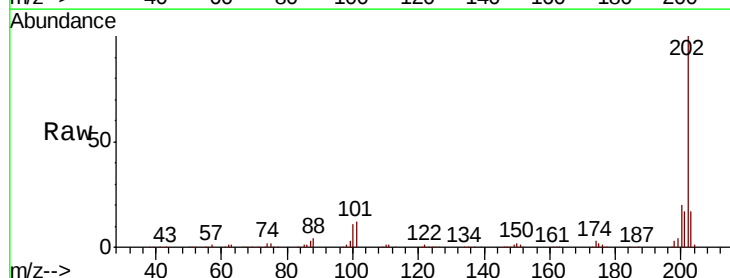
Tgt Ion:202 Resp: 277712

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.2

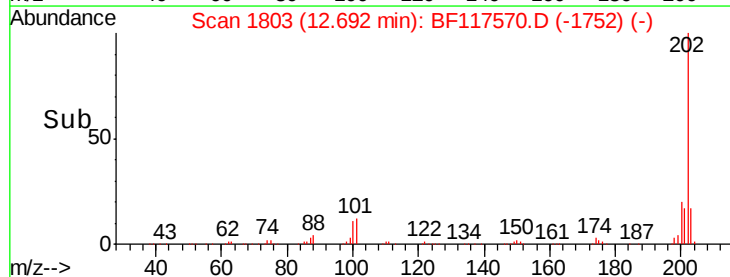
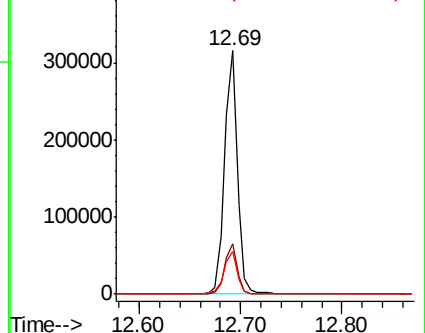
203 17.3 14.0 21.0

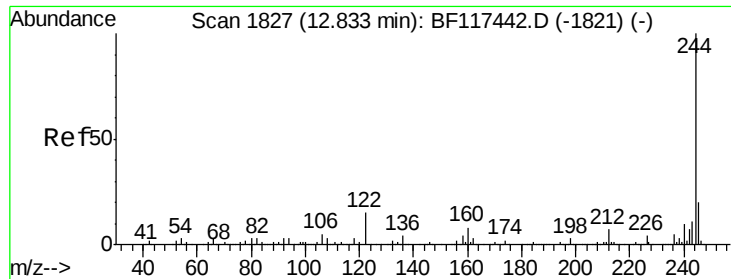


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

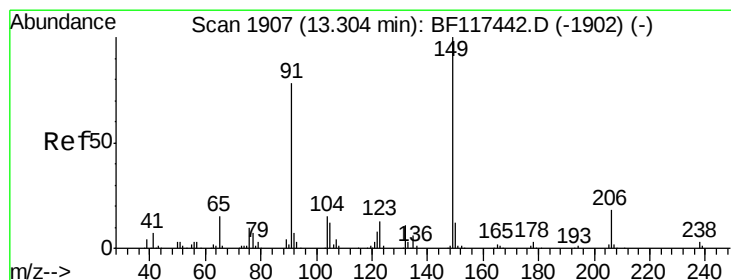
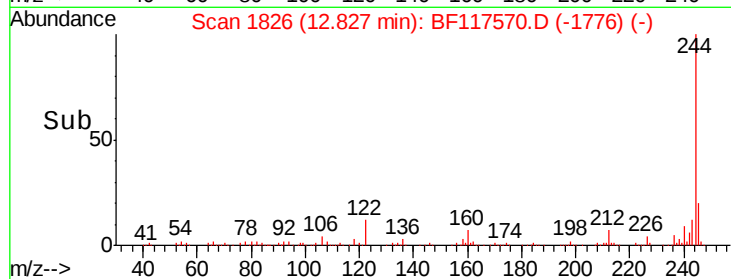
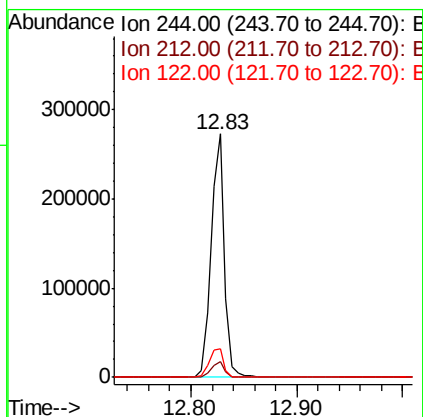
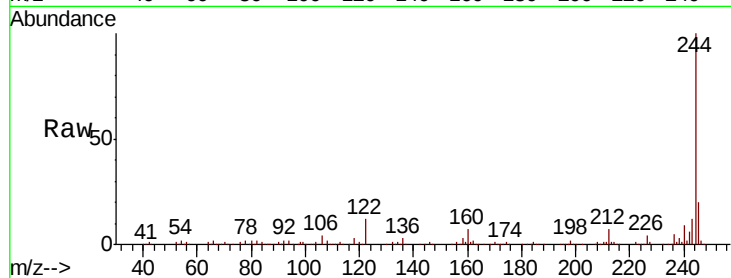




#79
 Terphenyl-d14
 Concen: 54.025 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

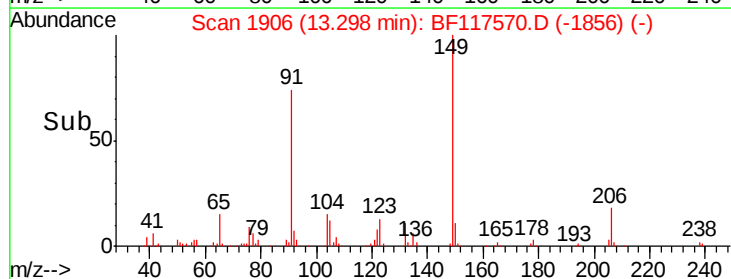
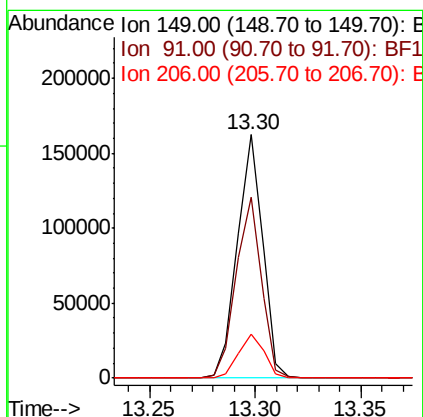
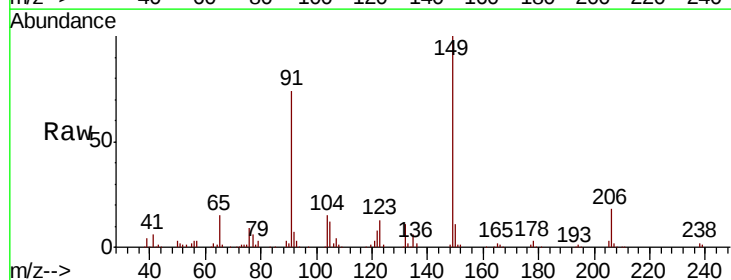
Instrument :
 BNA_E
 ClientSampleId :

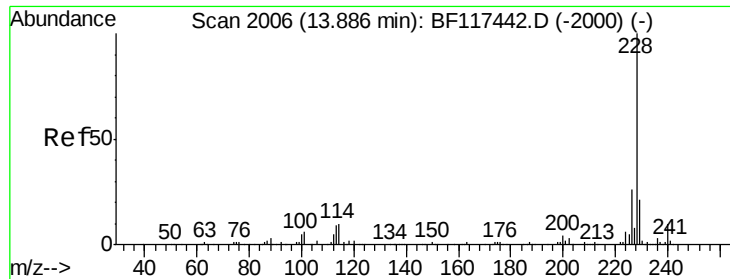
Tot Ion:244 Resp: 241744
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 11.8 11.8 17.8#



#80
 Butylbenzylphthalate
 Concen: 43.249 ng
 RT: 13.30 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: BF117570.D
 Acq: 28 Oct 2019 19:11

Tgt Ion:149 Resp: 134924
 Ion Ratio Lower Upper
 149 100
 91 74.4 62.1 93.1
 206 17.9 14.3 21.5





#81

Benzo(a)anthracene

Concen: 45.404 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampleId :

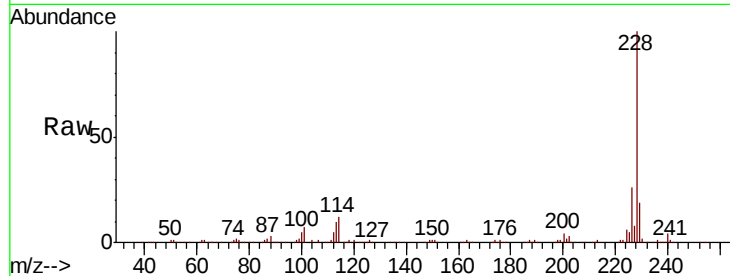
Tot Ion:228 Resp: 223535

Ion Ratio Lower Upper

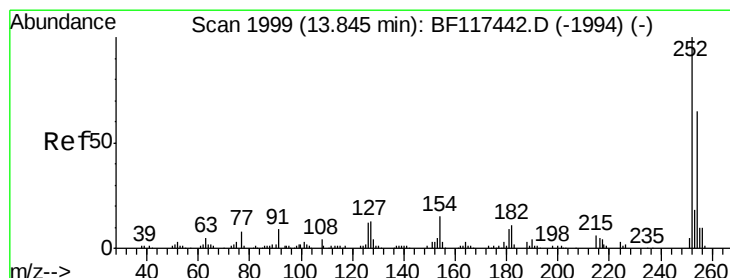
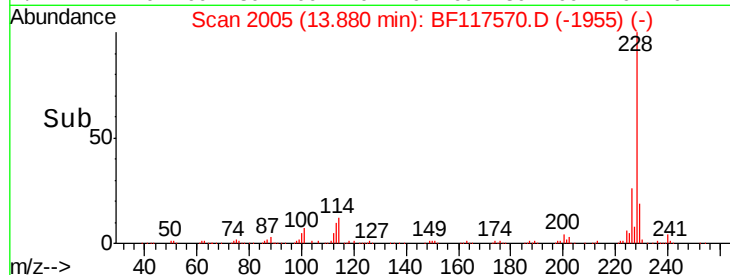
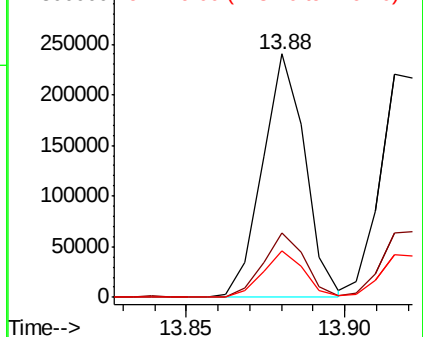
228 100

226 26.4 21.0 31.4

229 19.3 16.4 24.6



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: 42.766 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

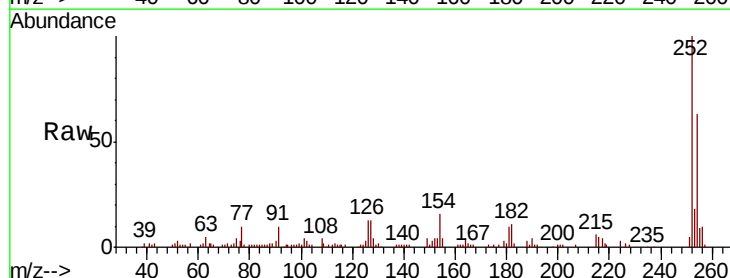
Tgt Ion:252 Resp: 66069

Ion Ratio Lower Upper

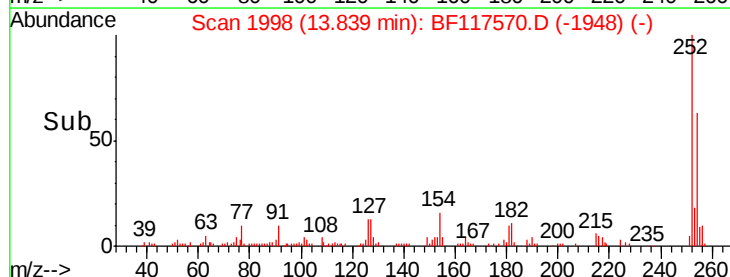
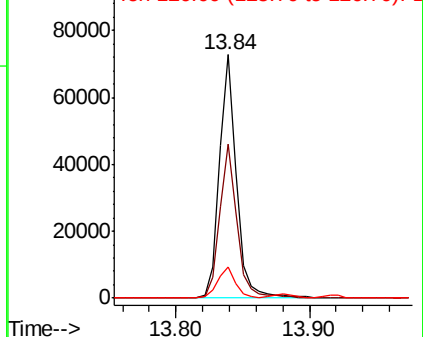
252 100

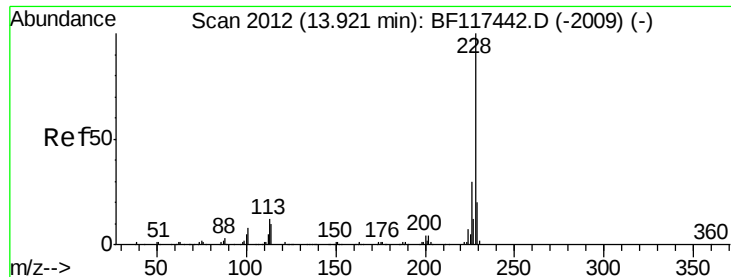
254 63.1 52.2 78.4

126 12.6 9.2 13.8



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: 45.317 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

Instrument :

BNA_E

ClientSampleId :

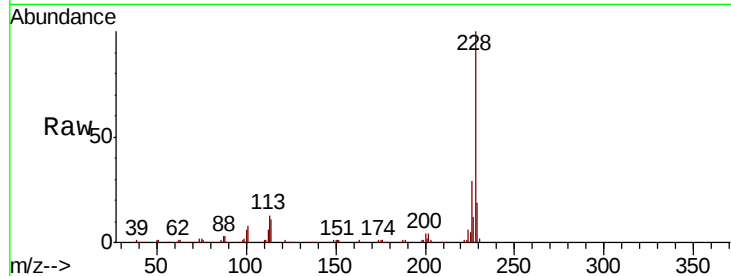
Tot Ion:228 Resp: 218659

Ion Ratio Lower Upper

228 100

226 28.7 23.9 35.9

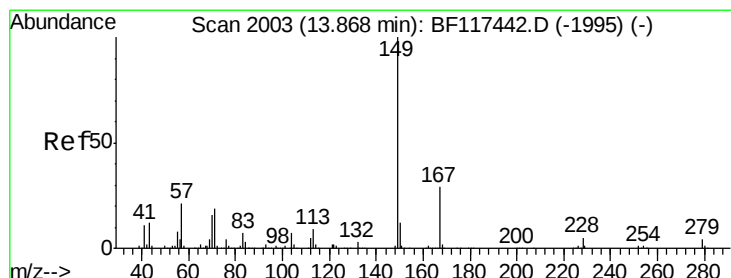
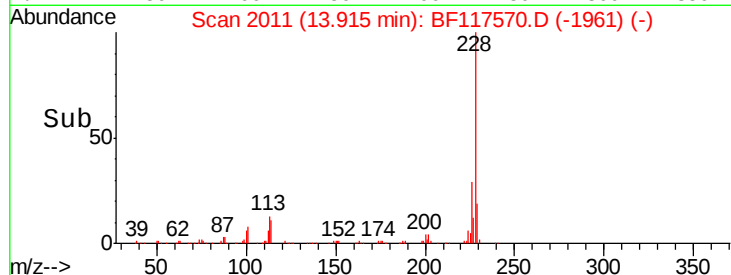
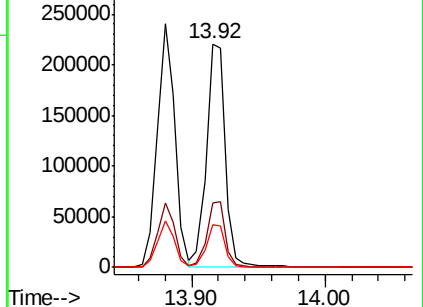
229 19.2 15.8 23.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.540 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF117570.D

Acq: 28 Oct 2019 19:11

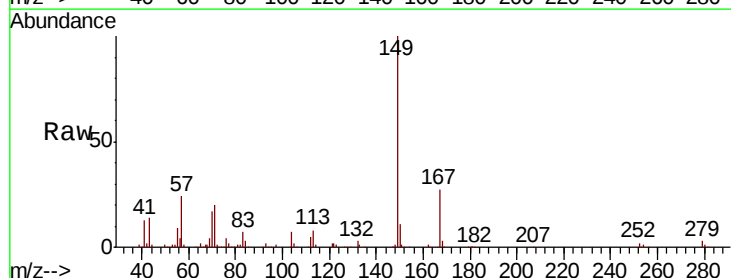
Tgt Ion:149 Resp: 185902

Ion Ratio Lower Upper

149 100

167 27.2 23.3 34.9

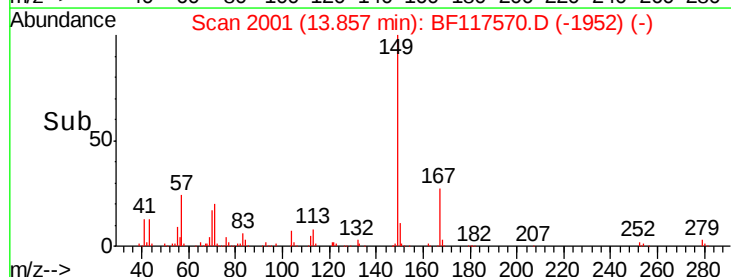
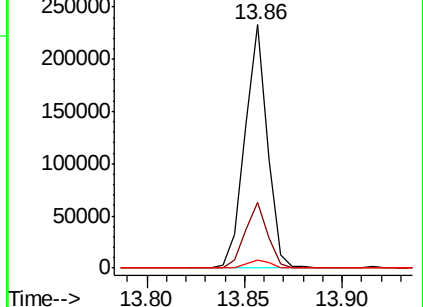
279 3.2 3.2 4.8#

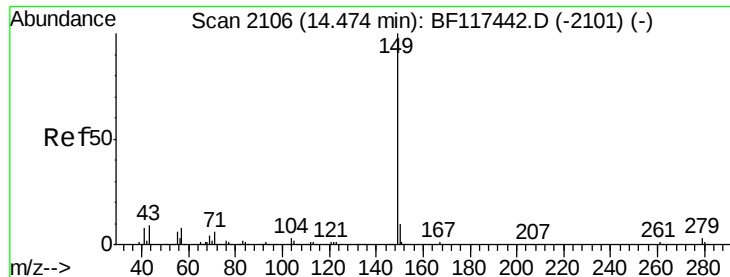


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

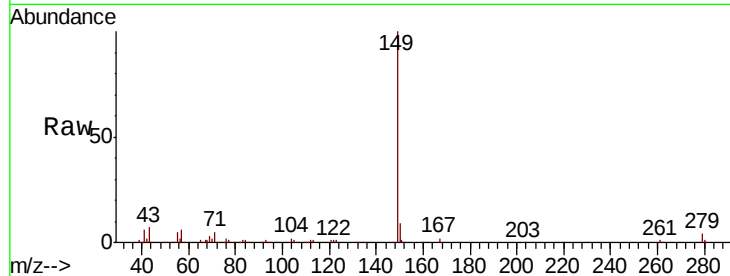




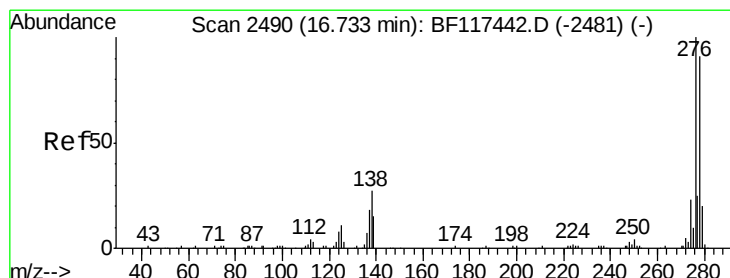
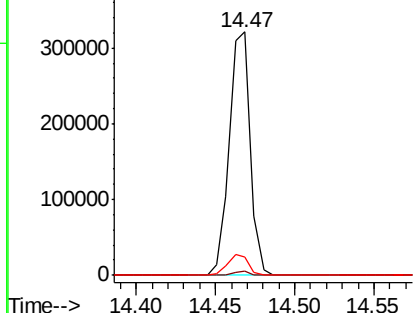
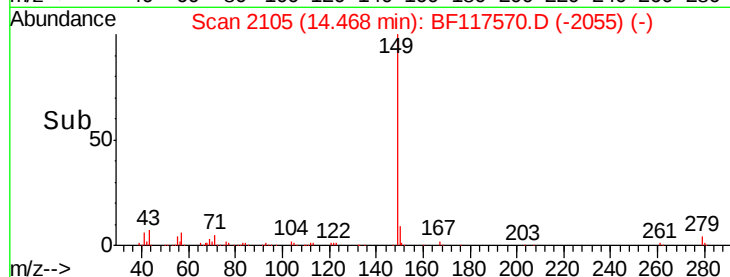
#85
Di-n-octyl phthalate
Concen: 44.094 ng
RT: 14.47 min Scan# 2105
Delta R.T. -0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.0	6.8	10.2

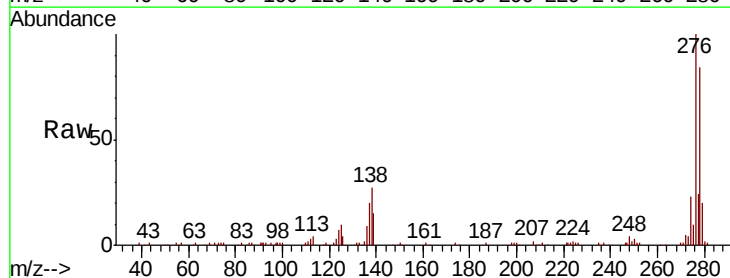


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

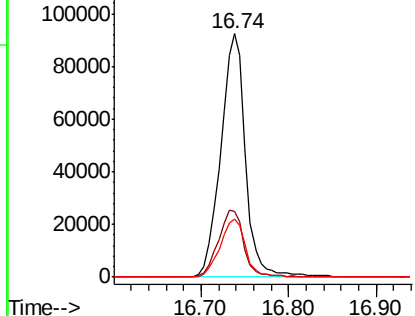
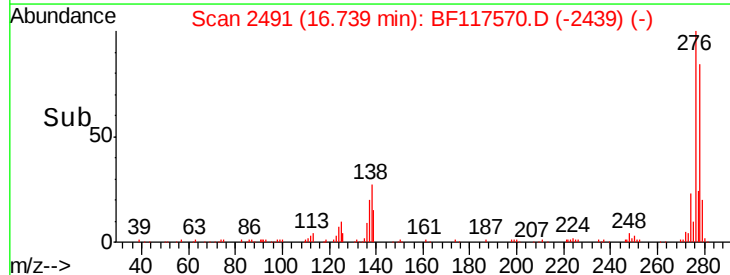


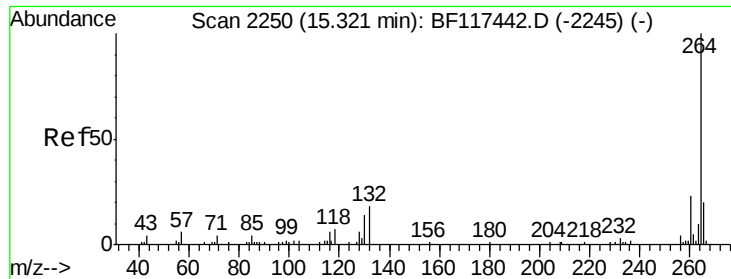
#86
Indeno(1,2,3-cd)pyrene
Concen: 50.004 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.2	21.8	32.8
277	24.6	20.0	30.0



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



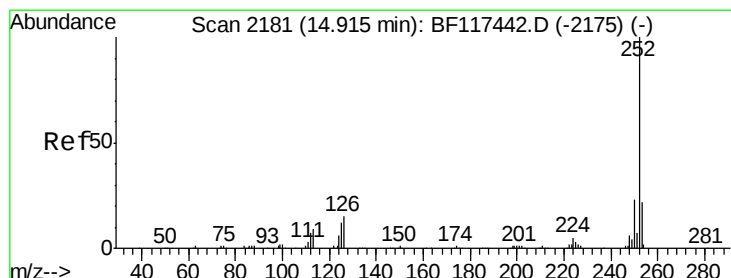
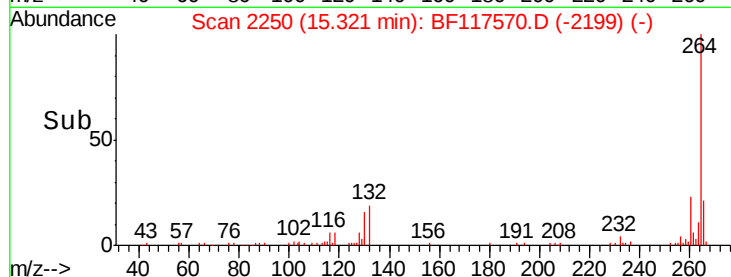
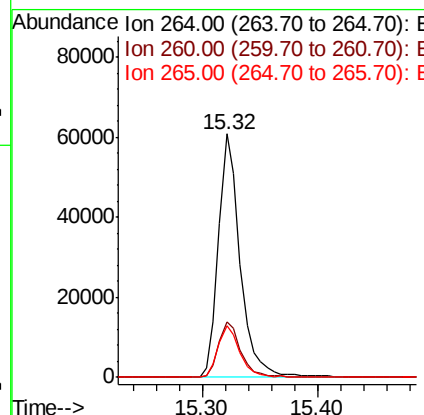
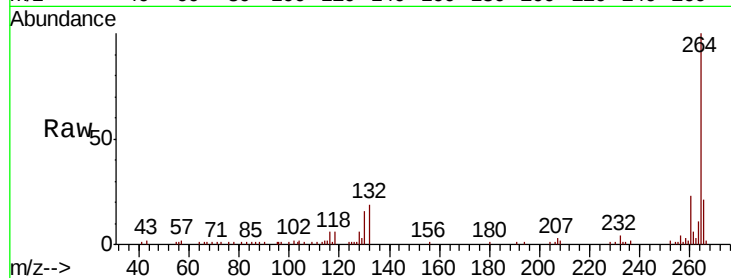


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 79873

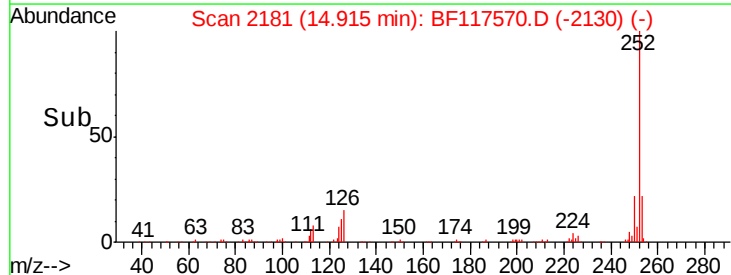
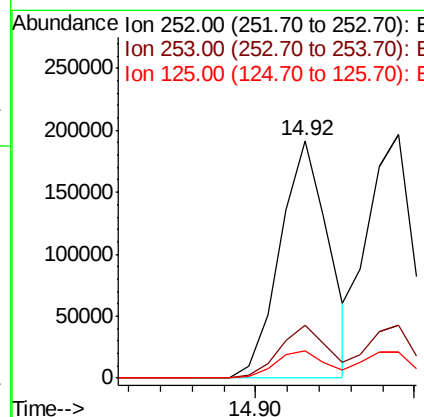
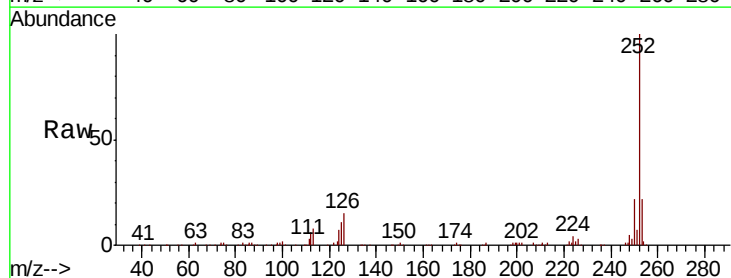
Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	21.2	16.1	24.1

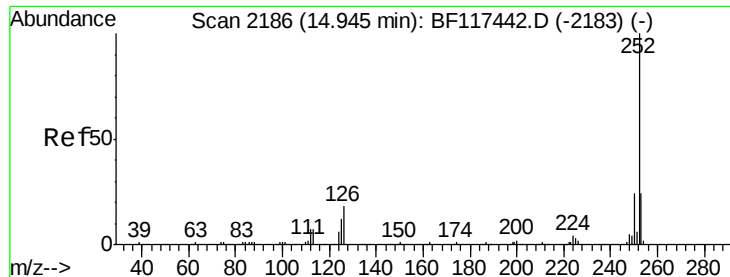


#88
Benzo(b)fluoranthene
Concen: 43.463 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion:252 Resp: 204998

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.5	9.9	14.9

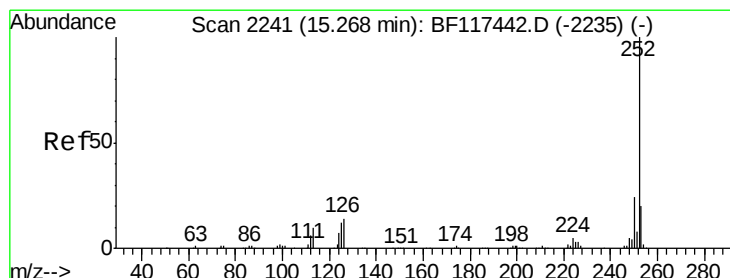
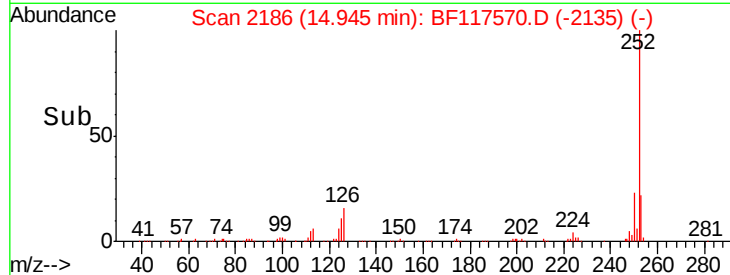
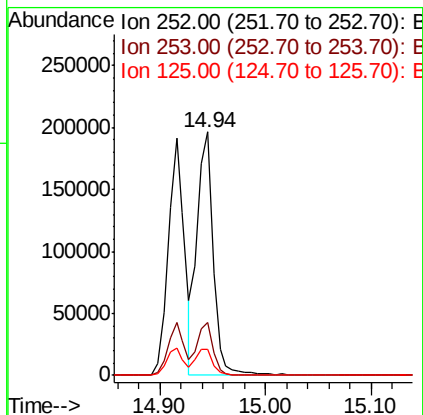
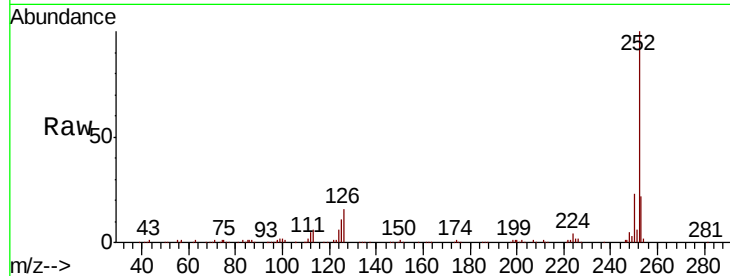




#89
Benzo(k)fluoranthene
Concen: 43.072 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

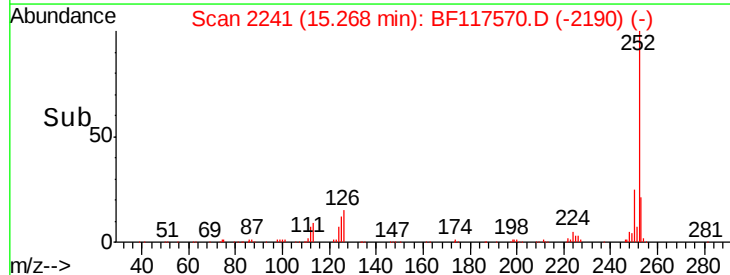
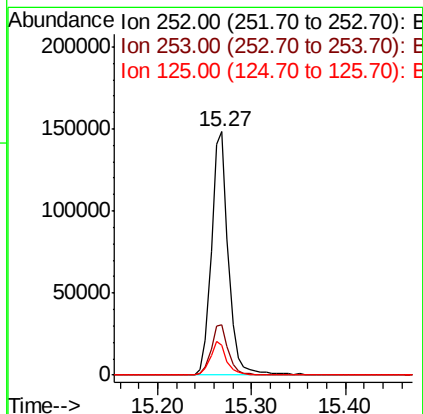
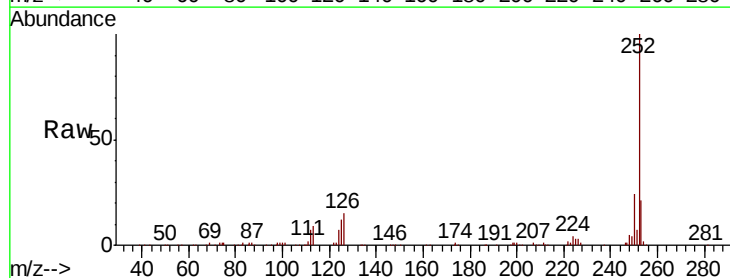
Instrument :
BNA_E
ClientSampled :

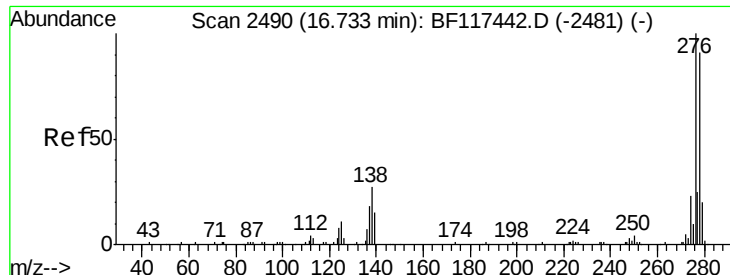
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	10.9	8.9	13.3



#90
Benzo(a)pyrene
Concen: 44.033 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	16.3	24.5
125	12.5	9.2	13.8

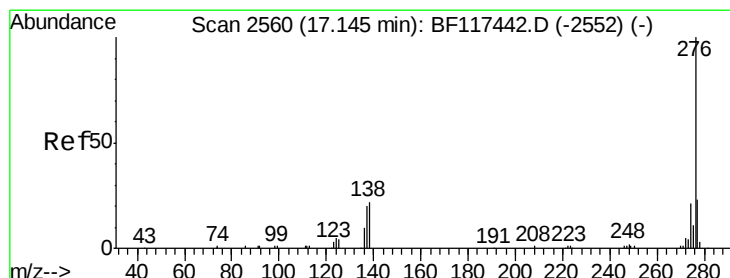
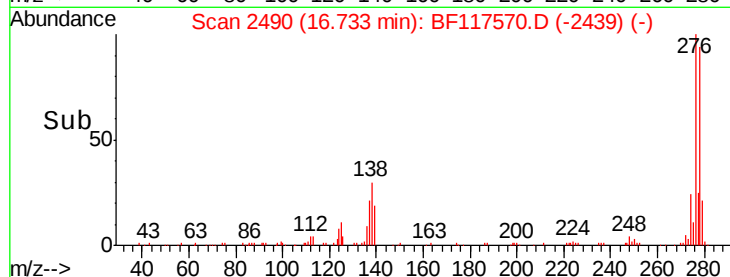
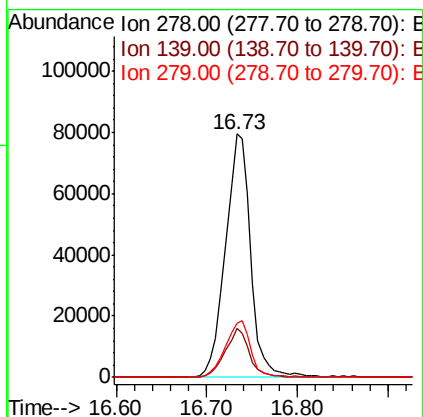
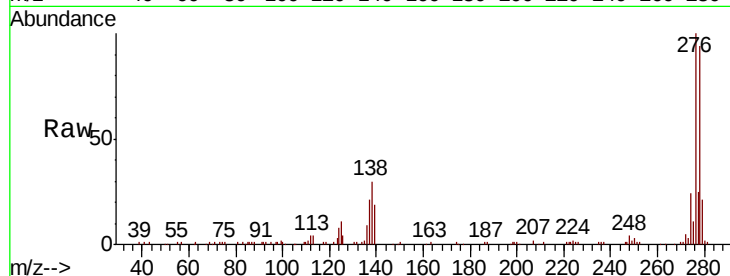




#91
Dibenzo(a,h)anthracene
Concen: 41.564 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Instrument :
BNA_E
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.1	13.4	20.0#
279	22.2	17.8	26.6



#92
Benzo(g,h,i)perylene
Concen: 39.850 ng
RT: 17.16 min Scan# 2562
Delta R.T. 0.01 min
Lab File: BF117570.D
Acq: 28 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.4	27.6
138	25.5	17.8	26.6

