

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117509.D
 Acq On : 24 Oct 2019 14:53
 Operator : JU
 Sample : K5497-13
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 167-00-(0-1)

Quant Time: Oct 25 01:03:03 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	53817	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	222287	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	115243	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	184428	20.00	ng	0.00
76) Chrysene-d12	13.90	240	115424	20.00	ng	0.00
87) Perylene-d12	15.33	264	115128	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	348648	96.38	ng	0.00
7) Phenol-d6	6.39	99	468850	96.50	ng	0.00
23) Nitrobenzene-d5	7.30	82	294211	65.34	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	92435	92.70	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	447455	54.71	ng	0.00
79) Terphenyl-d14	12.83	244	379533	53.63	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.13	88	250	0.164	ng	# 76
6) Aniline	6.51	93	429	0.075	ng	# 1
9) Benzaldehyde	6.39	77	649	Below Cal		# 3
10) Phenol	6.40	94	12836	2.588	ng	# 75
11) bis(2-Chloroethyl)ether	6.51	93	429	0.117	ng	# 1
15) Benzyl Alcohol	6.89	79	4438	1.279	ng	# 54
19) n-Nitroso-di-n-propylamine	7.30	70	39606	13.348	ng	# 78
24) Nitrobenzene	7.29	77	699	0.162	ng	# 41
25) Isophorone	7.30	82	294208	37.771	ng	# 65
31) Naphthalene	8.03	128	2616	0.237	ng	# 96
33) 4-Chloroaniline	8.03	127	237	0.051	ng	# 15
37) 2-Methylnaphthalene	8.73	142	352	0.047	ng	# 74
38) 1-Methylnaphthalene	8.83	142	271	0.039	ng	# 70
46) 1,1'-Biphenyl	9.19	154	890	0.093	ng	# 61
48) 2-Nitroaniline	9.48	65	586	0.248	ng	# 1
49) Acenaphthylene	9.63	152	1668	0.158	ng	# 82
50) Dimethylphthalate	9.48	163	58908	7.170	ng	# 99
51) 2,6-Dinitrotoluene	9.48	165	549	0.320	ng	# 1
52) Acenaphthene	9.80	154	2120	0.327	ng	# 97
55) Dibenzofuran	9.98	168	1226	0.131	ng	# 91
56) 4-Nitrophenol	9.97	139	528	4.653	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	14596	6.404	ng	# 13
58) Fluorene	10.32	166	2311	0.298	ng	# 88
63) Azobenzene	10.46	77	107	0.013	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.56	198	117	0.125	ng	# 1
66) n-Nitrosodiphenylamine	10.56	169	4136	0.613	ng	# 48
67) 4-Bromophenyl-phenylether	10.56	248	6214	3.128	ng	# 1
71) Phenanthrene	11.27	178	45050	4.207	ng	# 98
72) Anthracene	11.27	178	45050	4.100	ng	# 98
73) Carbazole	11.49	167	5484	0.546	ng	# 98
74) Di-n-butylphthalate	11.80	149	4693	0.350	ng	# 97
75) Fluoranthene	12.46	202	80075	7.469	ng	# 97
77) Benzidine	12.83	184	5096	Below Cal		# 92
78) Pyrene	12.69	202	66188	6.676	ng	# 97

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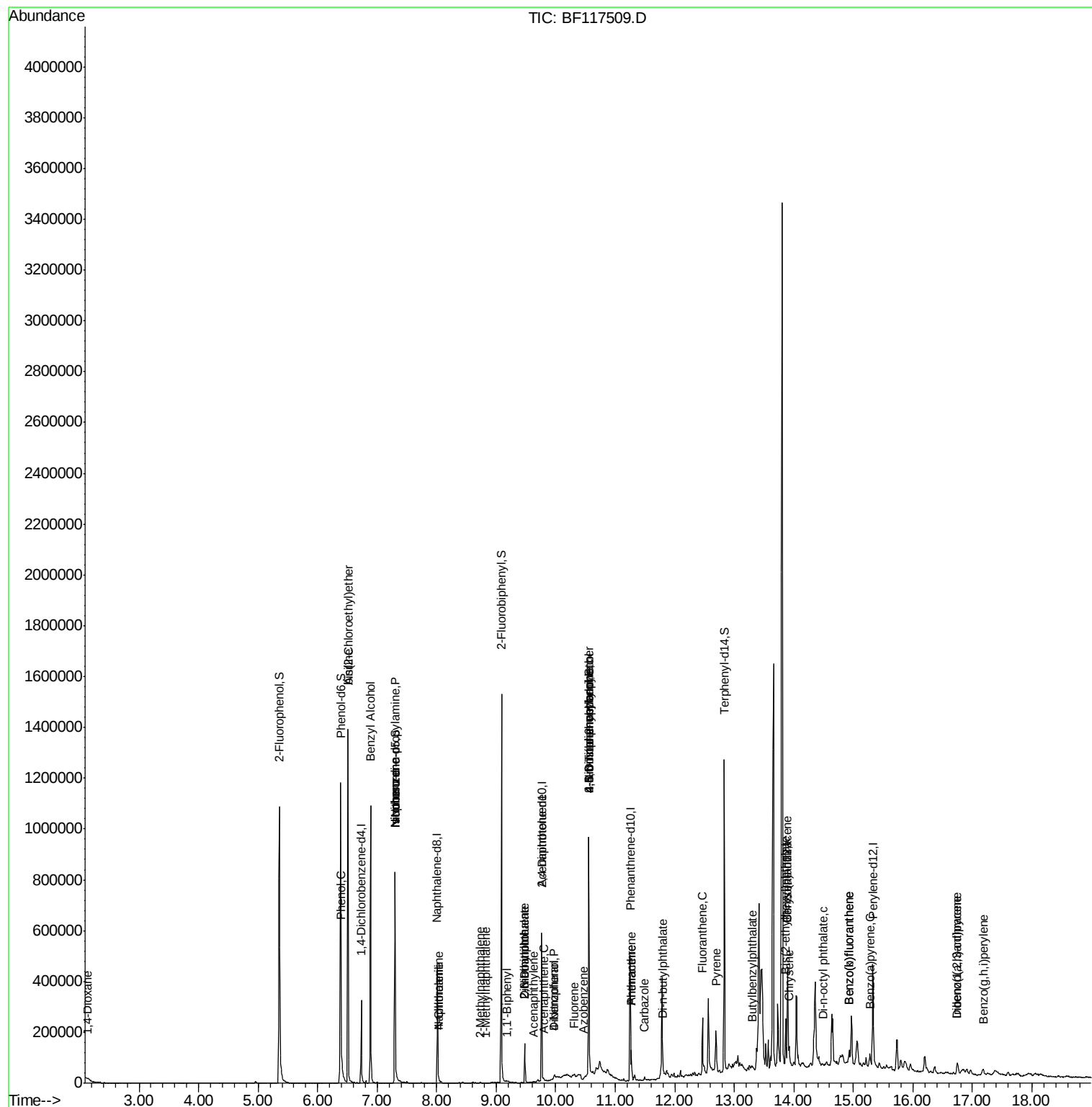
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	13.29	149	274	0.056	ng	# 79
81) Benzo(a)anthracene	13.89	228	30392	3.904	ng	97
83) Chrysene	13.92	228	25707	3.369	ng	96
84) Bis(2-ethylhexyl)phthalate	13.86	149	5948	0.861	ng	# 72
85) Di-n-octyl phthalate	14.49	149	247	0.023	ng	# 79
86) Indeno(1,2,3-cd)pyrene	16.75	276	16779	2.945	ng	98
88) Benzo(b)fluoranthene	14.93	252	40212	5.915	ng	# 92
89) Benzo(k)fluoranthene	14.93	252	40212	5.771	ng	# 92
90) Benzo(a)pyrene	15.27	252	22981	3.718	ng	# 94
91) Dibenzo(a,h)anthracene	16.74	278	4837	0.905	ng	# 75
92) Benzo(a,h,i)perylene	17.17	276	16378	3.239	ng	# 89

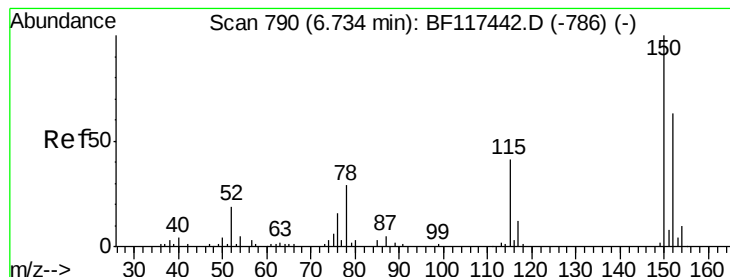
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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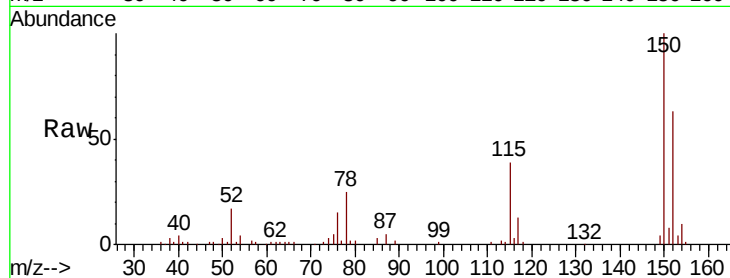


#1

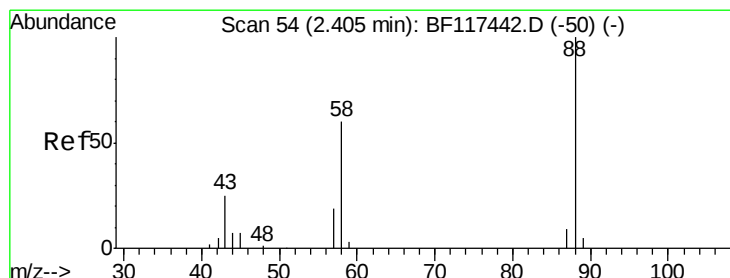
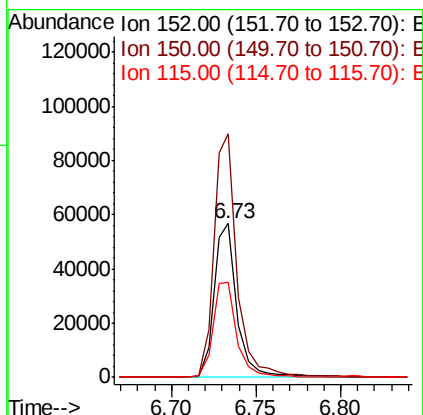
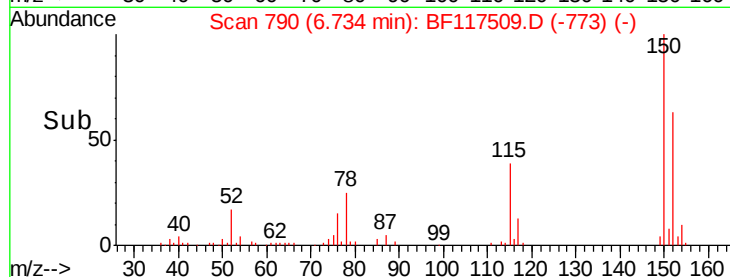
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

Tot Ion:152 Resp: 53817
Ion Ratio Lower Upper
152 100
150 158.2 126.8 190.2
115 62.2 51.6 77.4



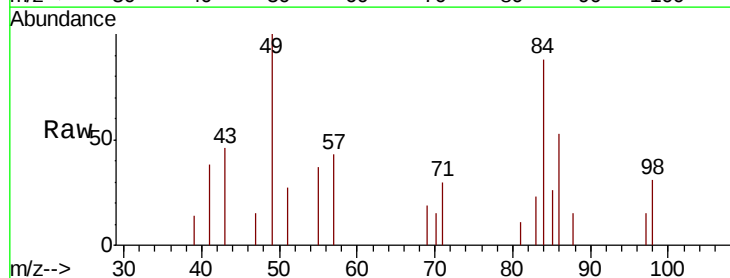
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



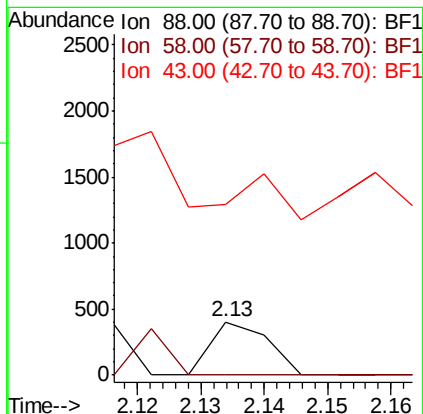
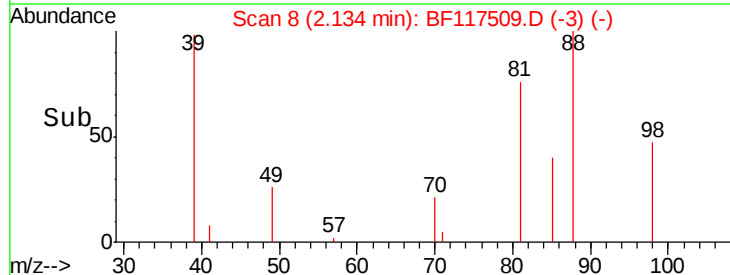
#2

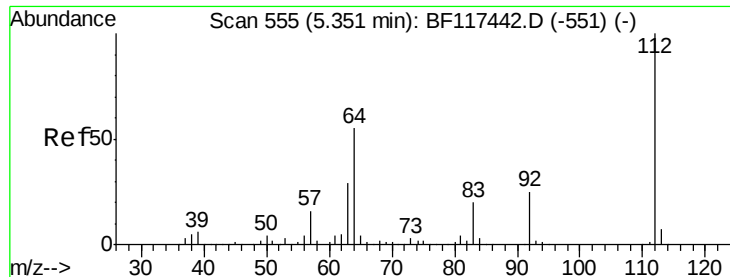
1,4-Dioxane
Concen: 0.164 ng
RT: 2.13 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion: 88 Resp: 250
Ion Ratio Lower Upper
88 100
58 49.6 48.8 73.2
43 0.0 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





#5

2-Fluorophenol

Concen: 96.379 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

ClientSampleId :

167-00-(0-1)

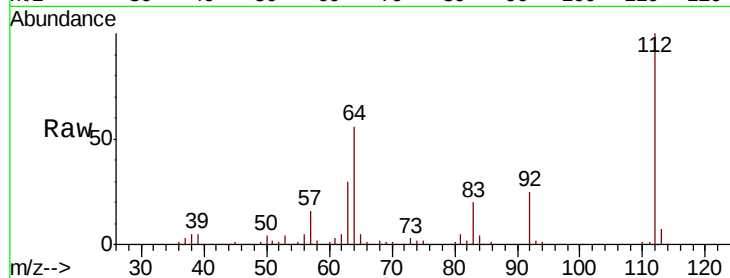
Tot Ion: 112 Resp: 348648

Ion Ratio Lower Upper

112 100

64 56.3 44.1 66.1

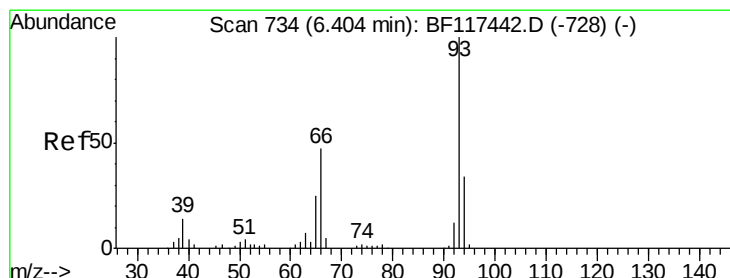
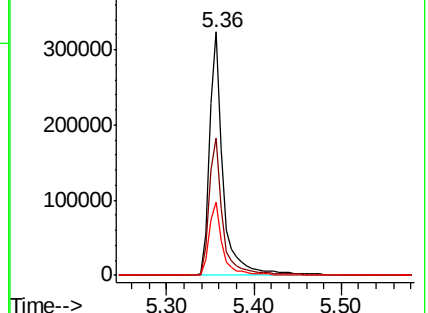
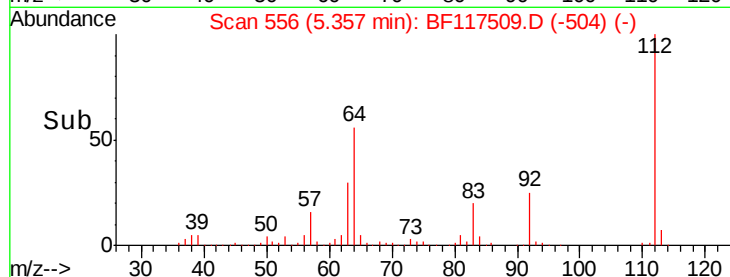
63 30.1 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.075 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.11 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

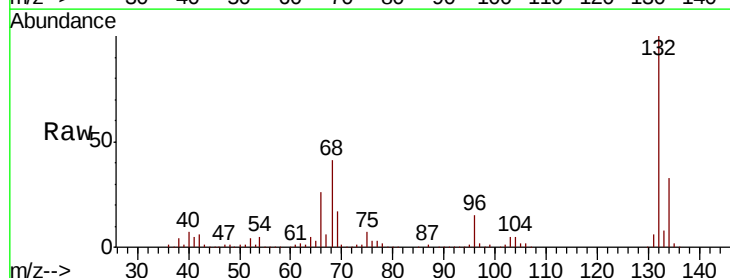
Tgt Ion: 93 Resp: 429

Ion Ratio Lower Upper

93 100

66 14750.1 38.7 58.1#

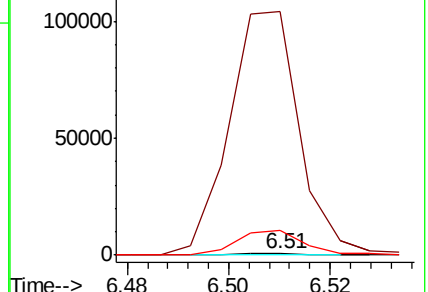
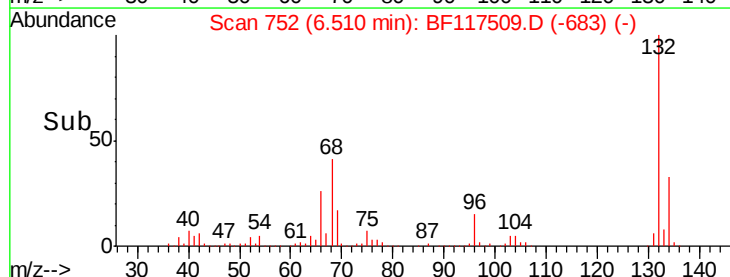
65 1504.7 20.1 30.1#

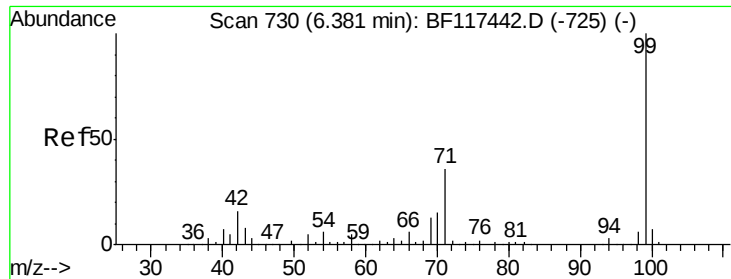


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 96.498 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

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167-00-(0-1)

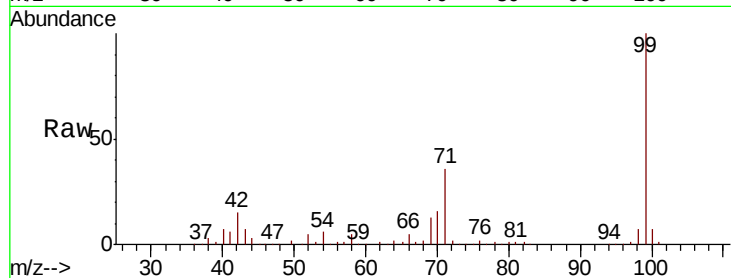
Tot Ion: 99 Resp: 468850

Ion Ratio Lower Upper

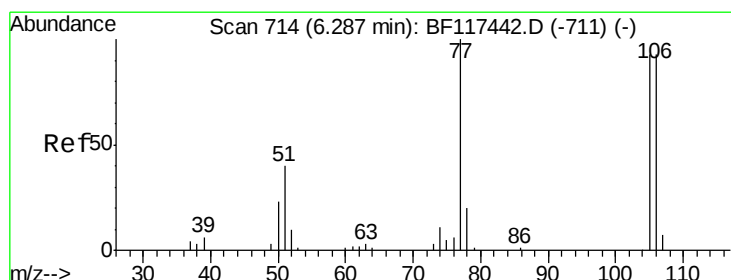
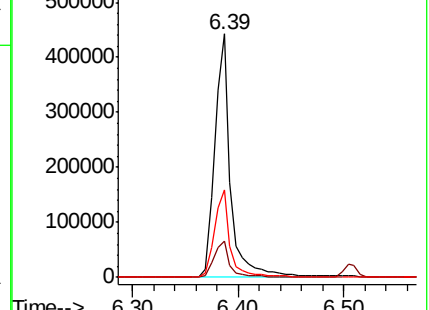
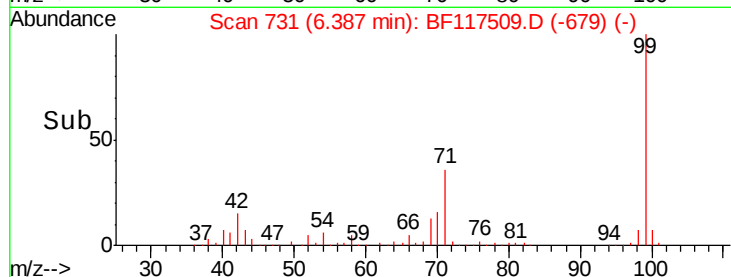
99 100

42 15.1 12.8 19.2

71 36.1 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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.39 min Scan# 731

Delta R.T. 0.10 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

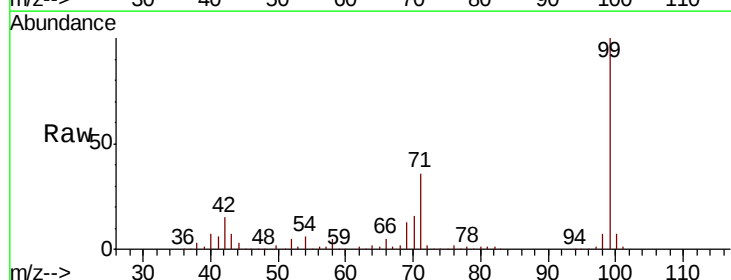
Tgt Ion: 77 Resp: 649

Ion Ratio Lower Upper

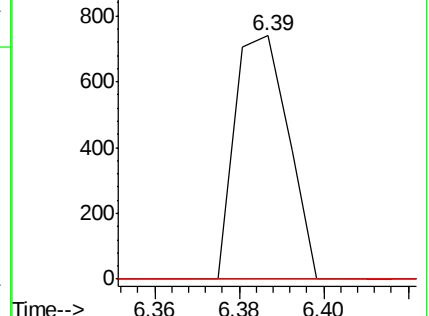
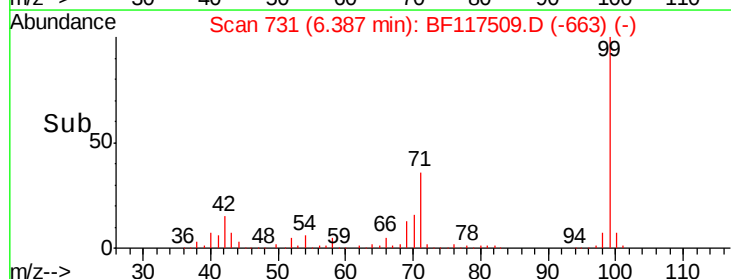
77 100

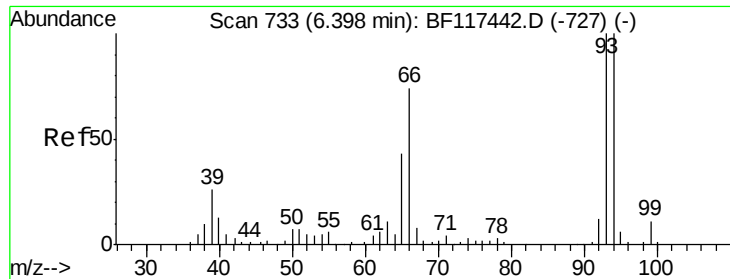
105 0.0 73.4 113.4#

106 0.0 73.0 113.0#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.588 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

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ClientSampleId :

167-00-(0-1)

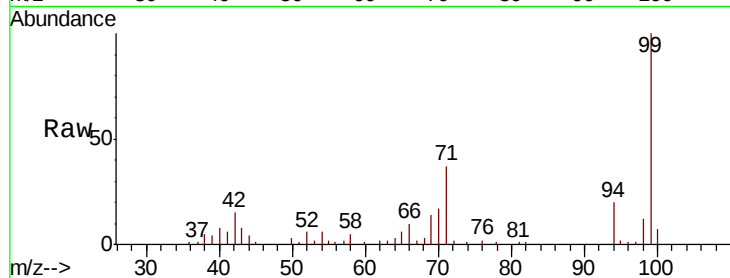
Tot Ion: 94 Resp: 12836

Ion Ratio Lower Upper

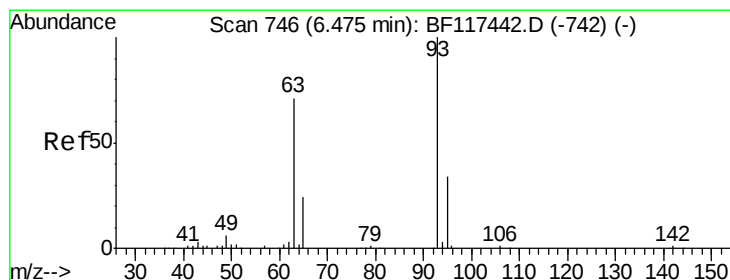
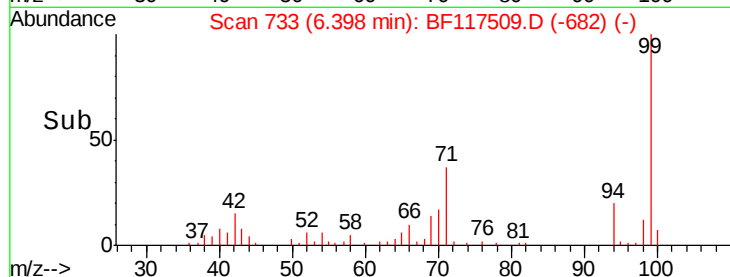
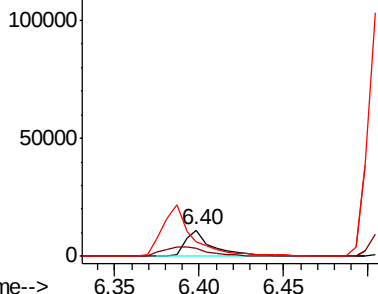
94 100

65 28.8 23.4 63.4

66 52.6 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: 0.117 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.04 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

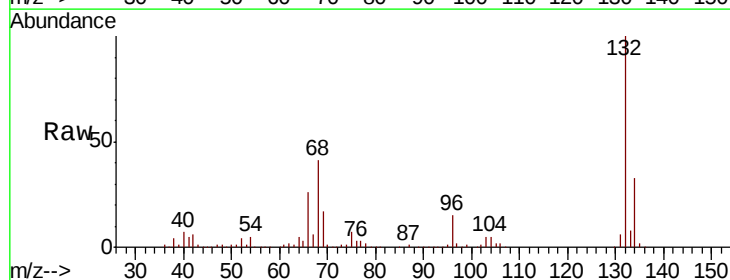
Tgt Ion: 93 Resp: 429

Ion Ratio Lower Upper

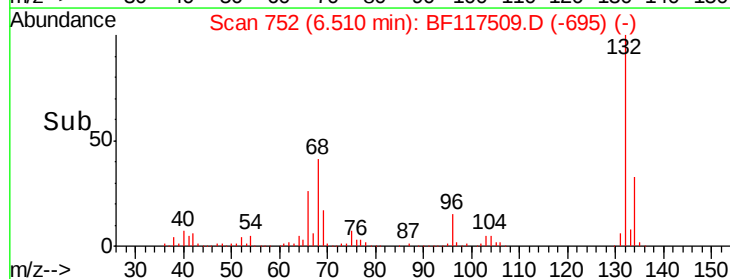
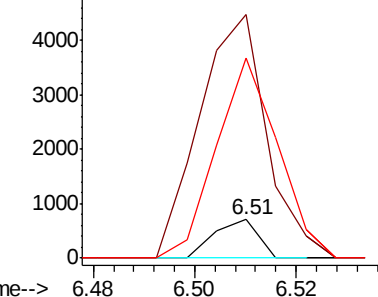
93 100

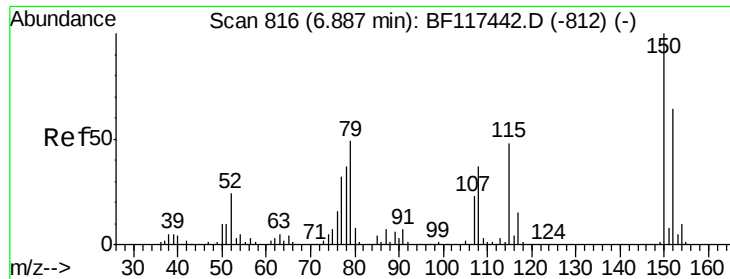
63 634.0 50.2 90.2#

95 522.4 13.9 53.9#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

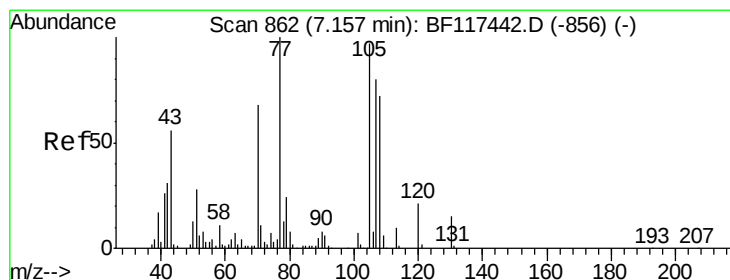
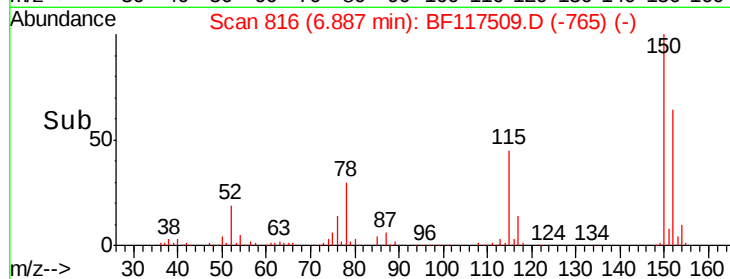
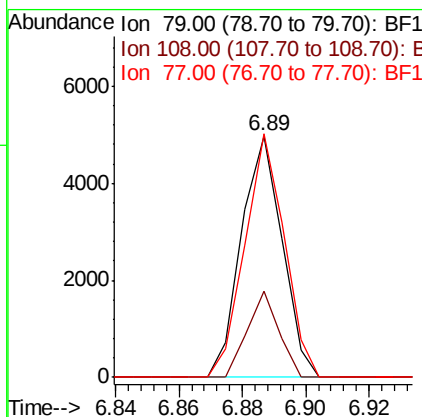
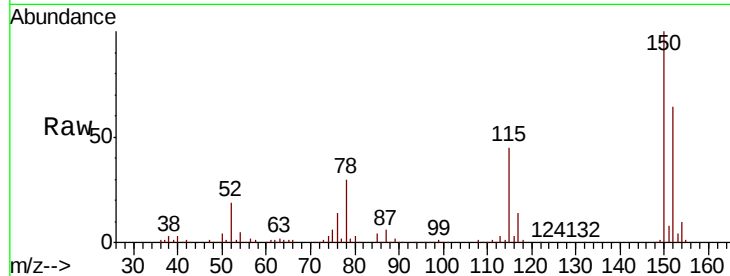




#15
Benzyl Alcohol
Concen: 1.279 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

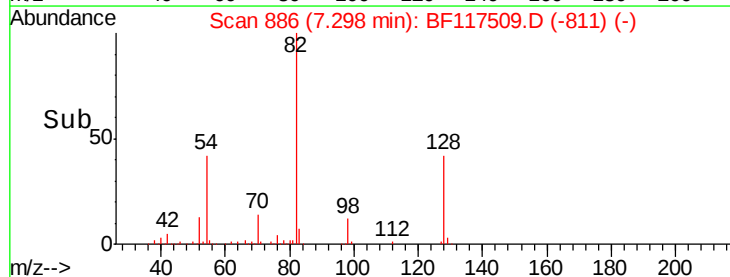
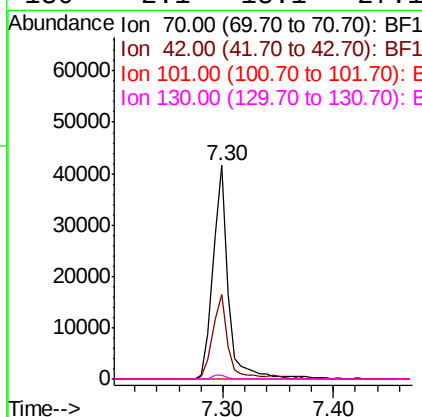
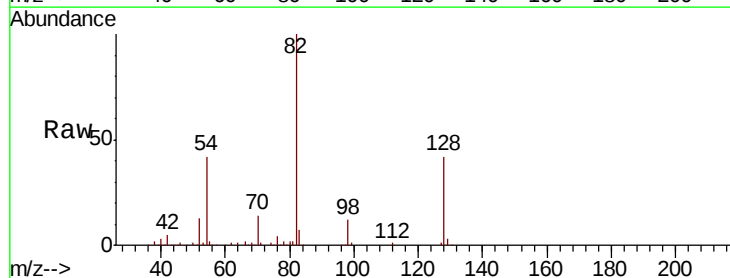
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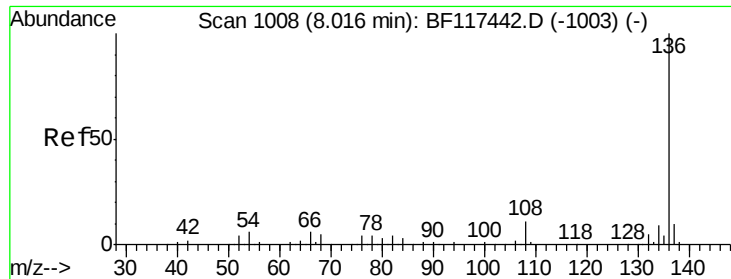
Tot Ion: 79 Resp: 4438
Ion Ratio Lower Upper
79 100
108 35.7 59.8 89.8#
77 100.7 51.4 77.0#



#19
n-Nitroso-di-n-propylamine
Concen: 13.348 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion: 70 Resp: 39606
Ion Ratio Lower Upper
70 100
42 39.4 36.7 55.1
101 0.0 8.3 12.5#
130 2.1 18.1 27.1#

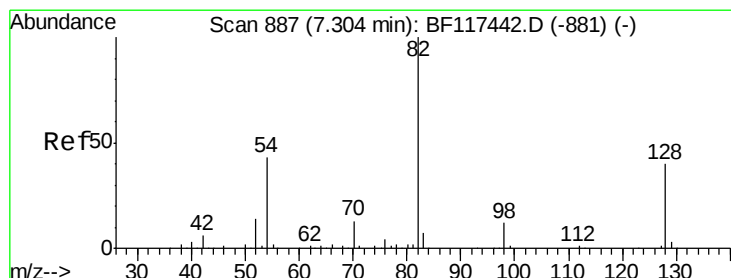
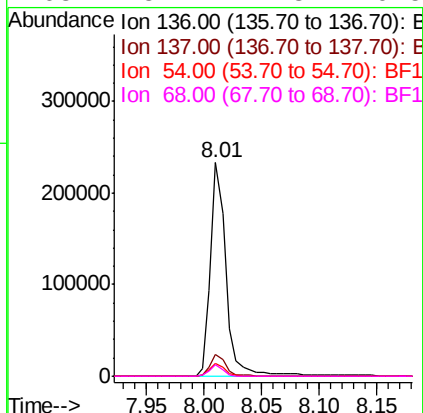
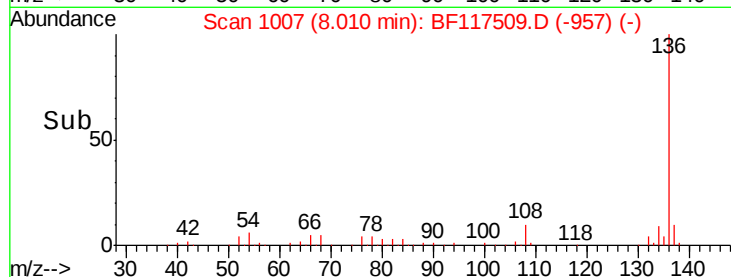
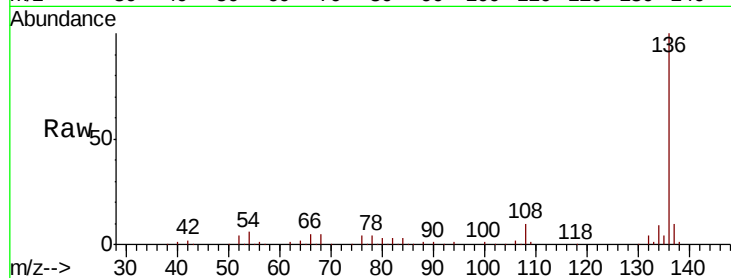




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

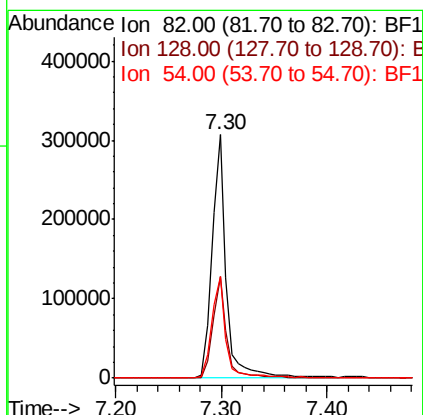
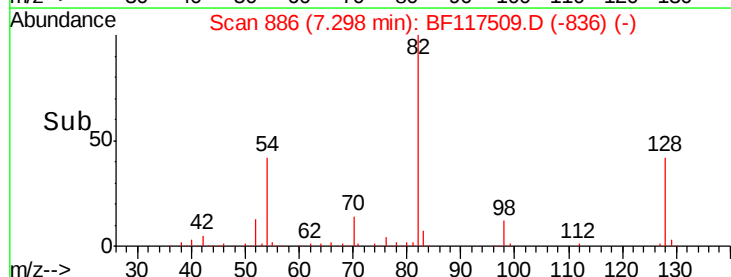
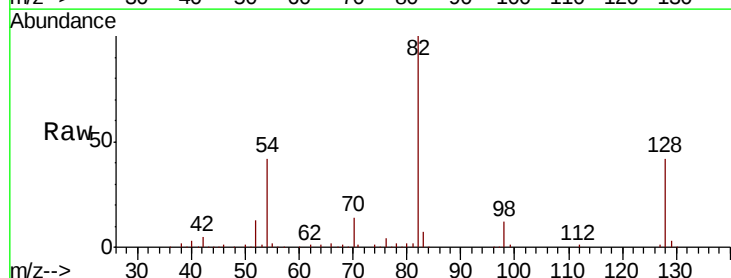
Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

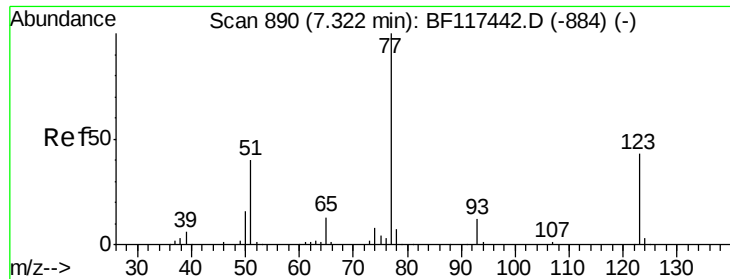
Tot Ion:136	Resp:	222287
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.2 12.4
54	6.1	4.5 6.7
68	5.4	4.3 6.5



#23
Nitrobenzene-d5
Concen: 65.342 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion: 82	Resp:	294211
Ion	Ratio	Lower Upper
82	100	
128	41.6	32.2 48.2
54	41.5	34.2 51.2

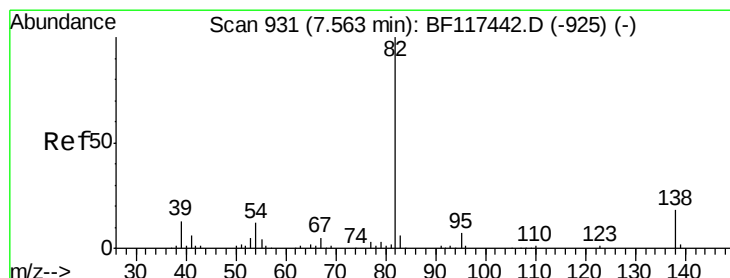
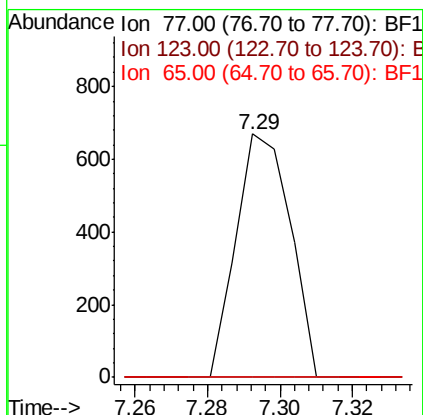
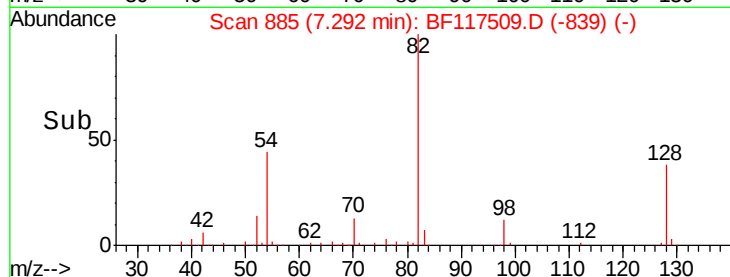
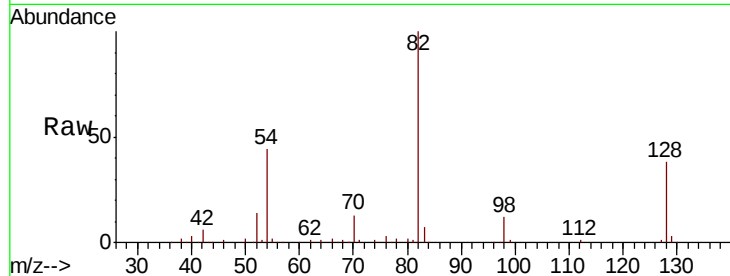




#24
 Nitrobenzene
 Concen: 0.162 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.03 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

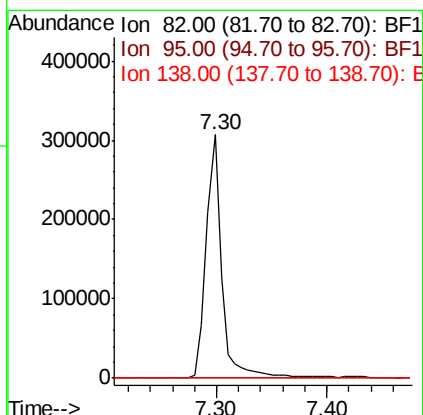
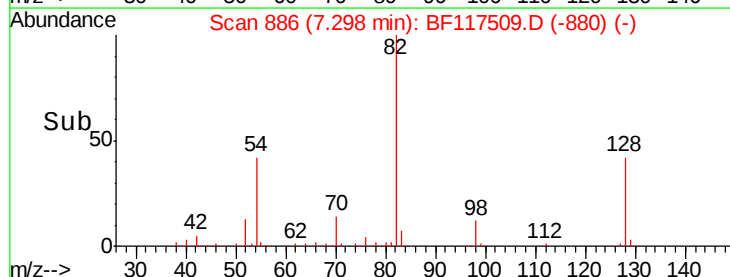
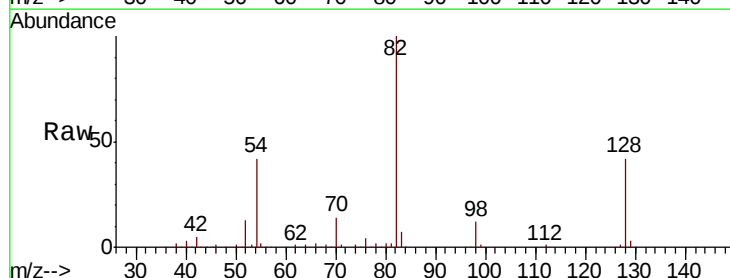
Instrument :
 BNA_F
 ClientSampleId :
 167-00-(0-1)

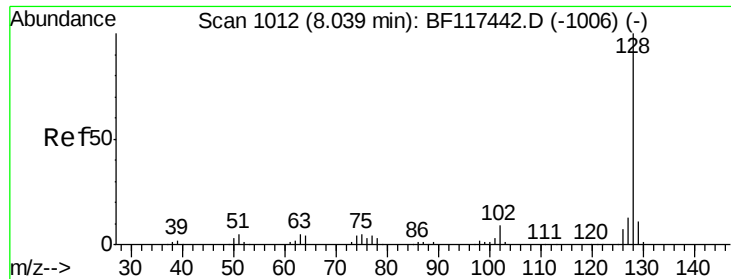
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	34.2	51.2#
65	0.0	10.3	15.5#



#25
 Isophorone
 Concen: 37.771 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

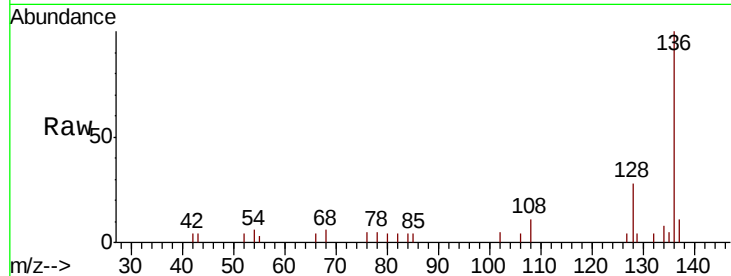




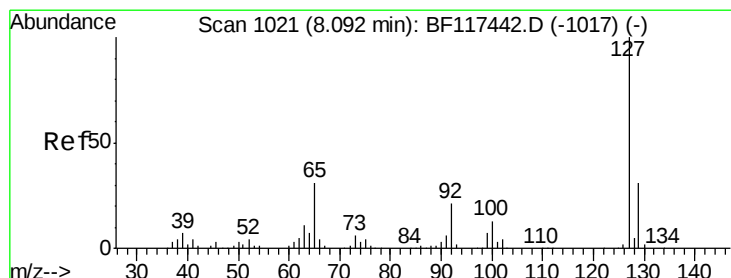
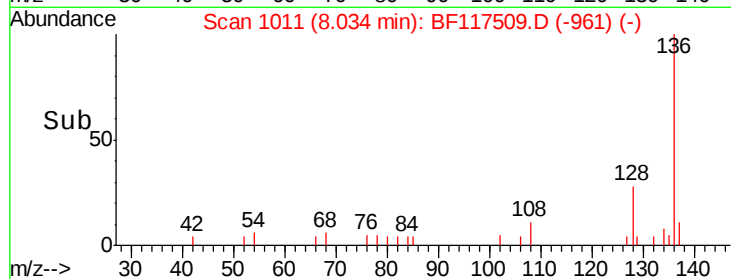
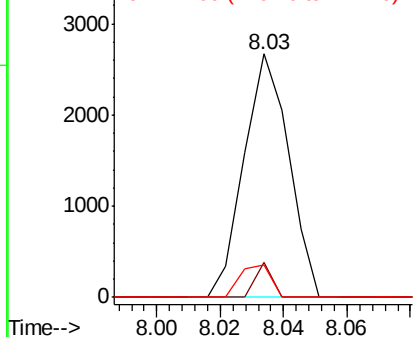
#31
Naphthalene
Concen: 0.237 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

Tot Ion:128 Resp: 2616
Ion Ratio Lower Upper
128 100
129 14.1 9.0 13.4#
127 13.1 10.2 15.2

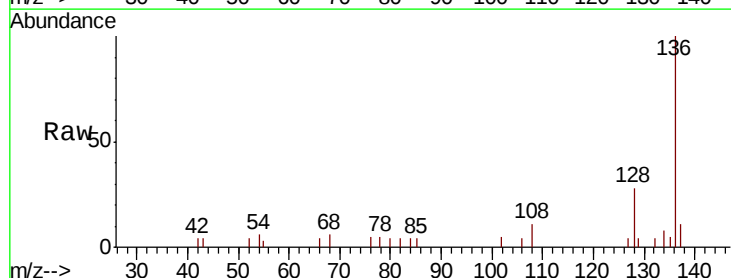


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

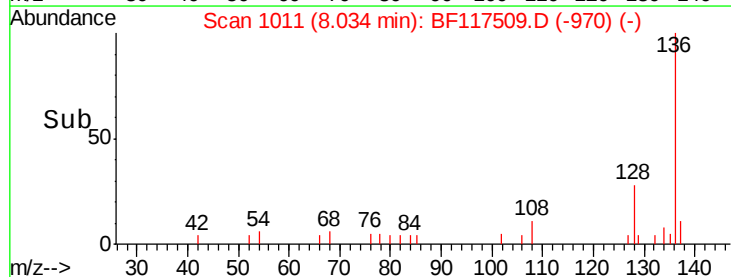
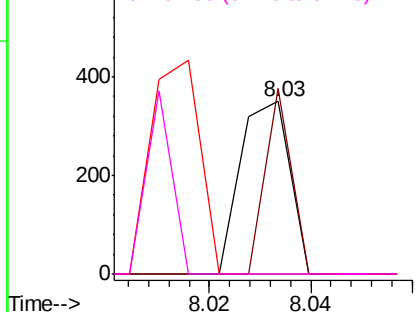


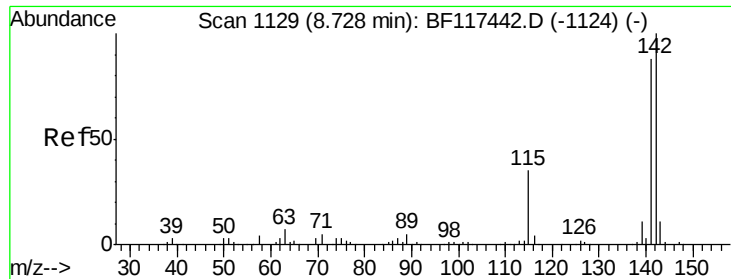
#33
4-Chloroaniline
Concen: 0.051 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.06 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion:127 Resp: 237
Ion Ratio Lower Upper
127 100
129 107.7 24.8 37.2#
65 0.0 24.6 37.0#
92 0.0 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

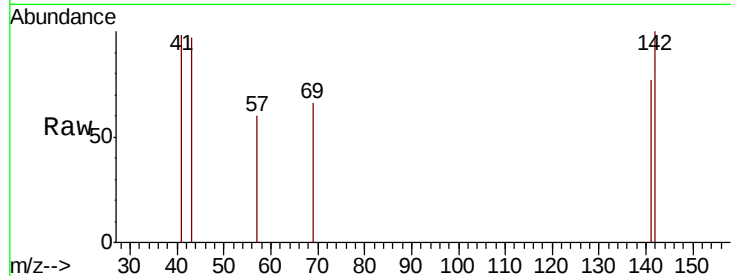




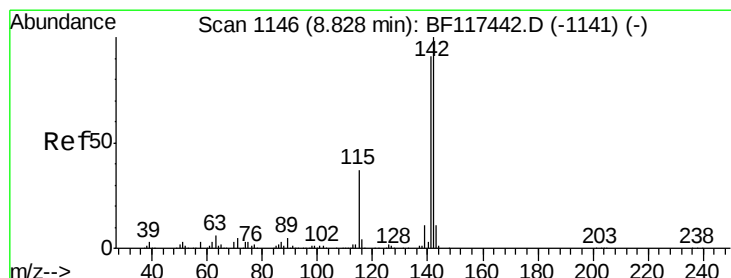
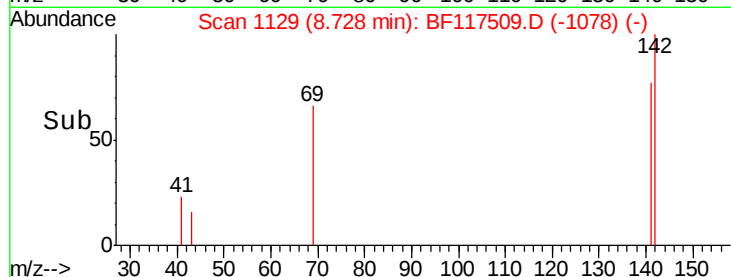
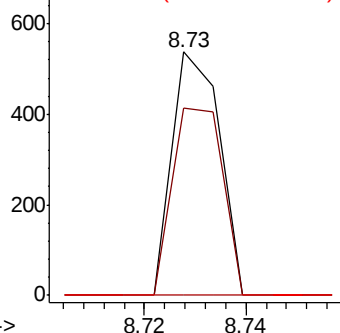
#37
2-Methylnaphthalene
Concen: 0.047 ng
RT: 8.73 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

Tot Ion:142 Resp: 352
Ion Ratio Lower Upper
142 100
141 76.8 70.3 105.5
115 0.0 28.2 42.2#

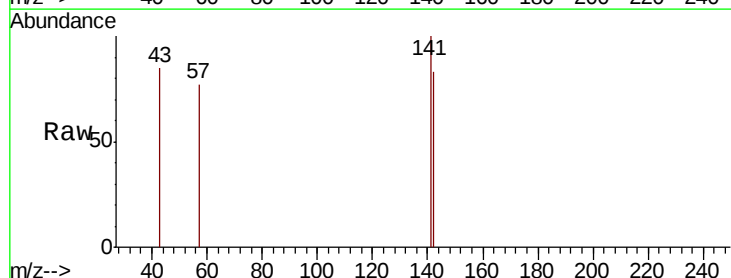


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

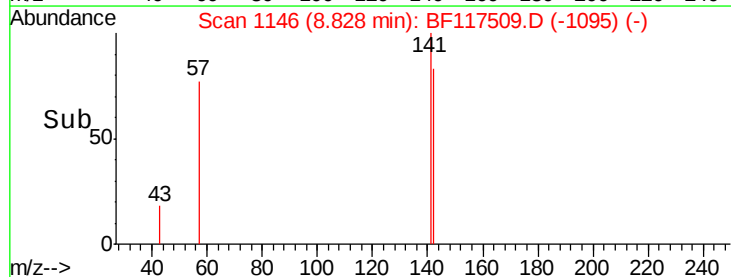
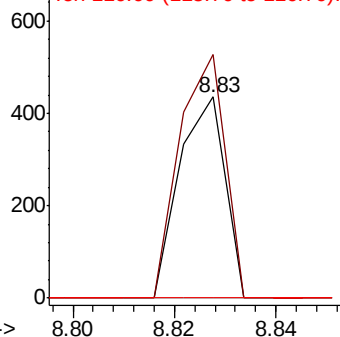


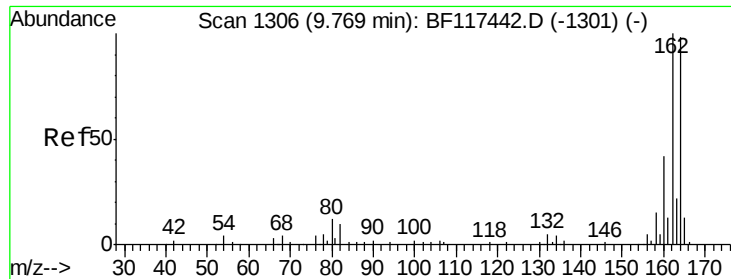
#38
1-Methylnaphthalene
Concen: 0.039 ng
RT: 8.83 min Scan# 1146
Delta R.T. 0.00 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion:142 Resp: 271
Ion Ratio Lower Upper
142 100
141 121.1 73.3 109.9#
116 0.0 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: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

ClientSampleId :

167-00-(0-1)

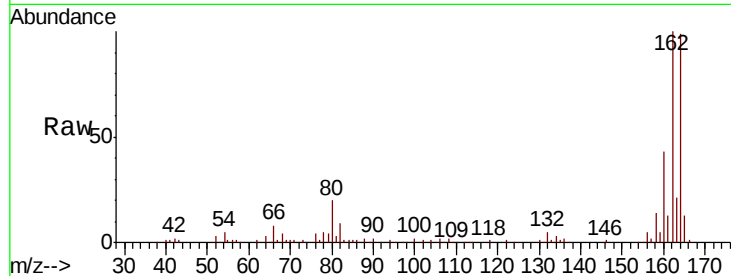
Tot Ion:164 Resp: 115243

Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.6

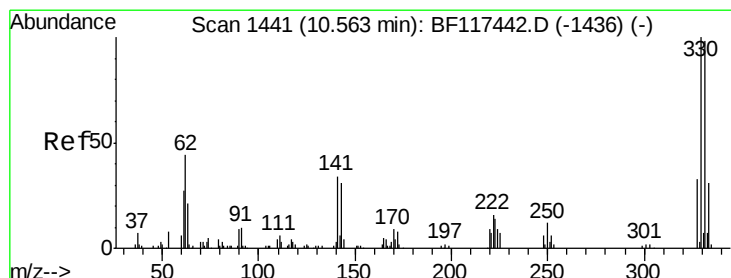
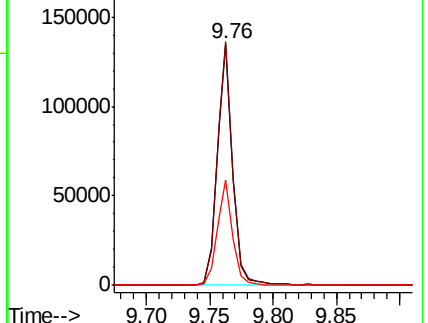
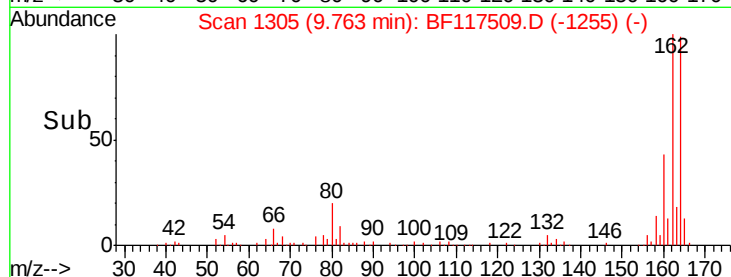
160 43.4 34.4 51.6



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



#42

2,4,6-Tribromophenol

Concen: 92.699 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

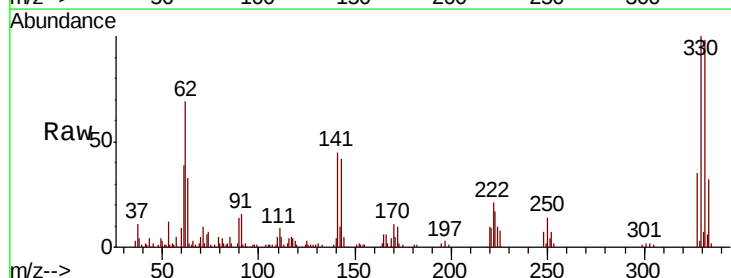
Tgt Ion:330 Resp: 92435

Ion Ratio Lower Upper

330 100

332 96.4 78.5 117.7

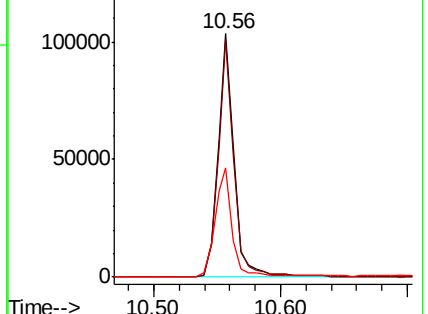
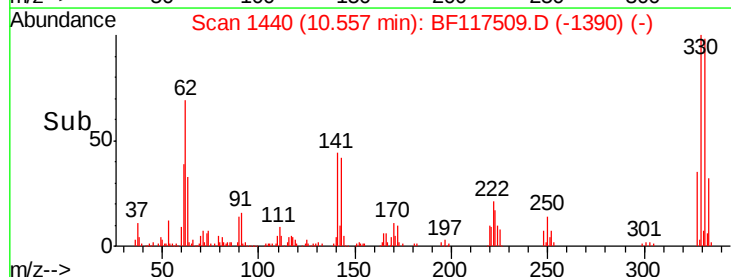
141 48.0 37.0 55.6

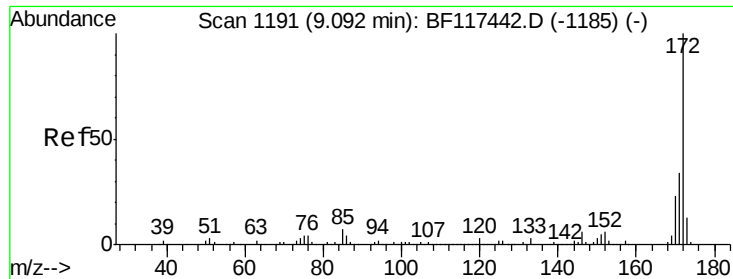


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

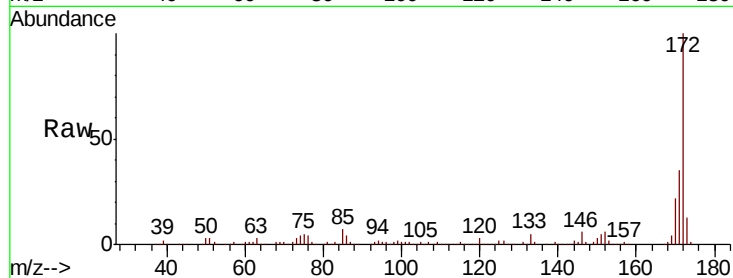




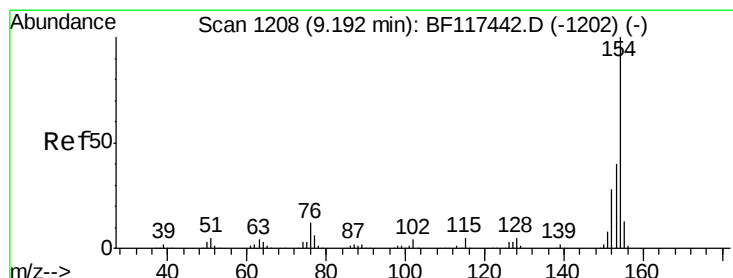
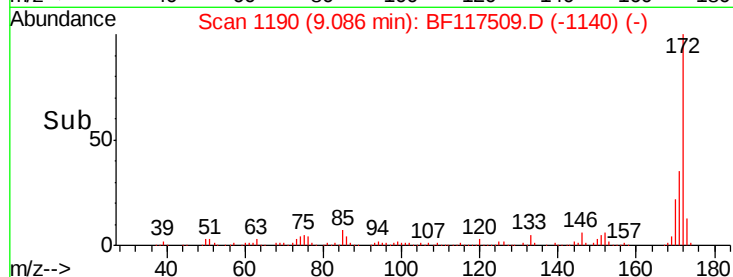
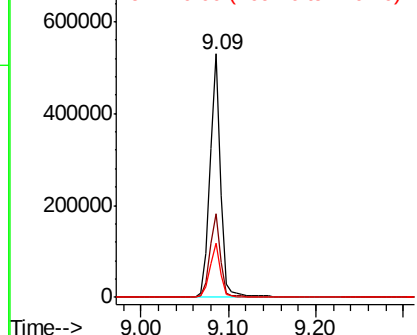
#45
2-Fluorobiphenyl
Concen: 54.707 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

Tot Ion:172 Resp: 447455
Ion Ratio Lower Upper
172 100
171 34.5 27.5 41.3
170 22.5 18.6 27.8

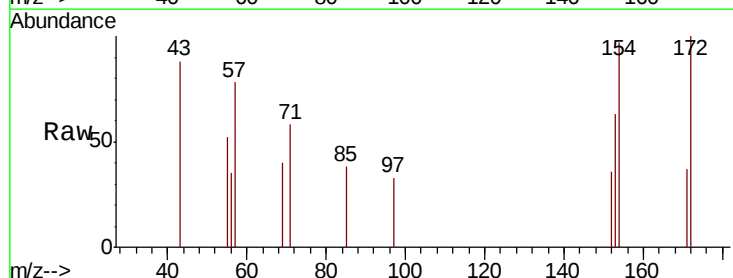


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

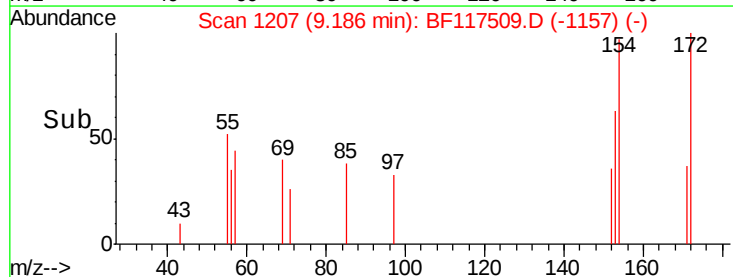
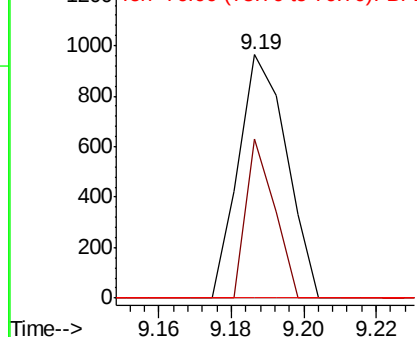


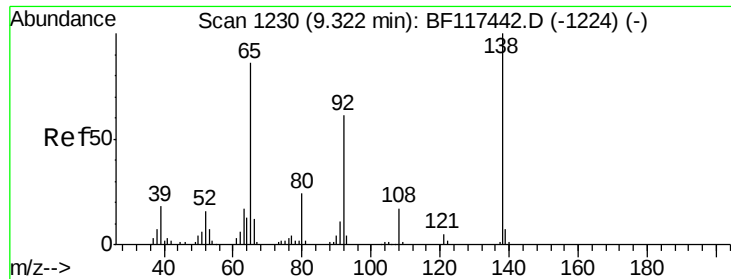
#46
1,1'-Biphenyl
Concen: 0.093 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion:154 Resp: 890
Ion Ratio Lower Upper
154 100
153 65.5 20.2 60.2#
76 0.0 0.0 32.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

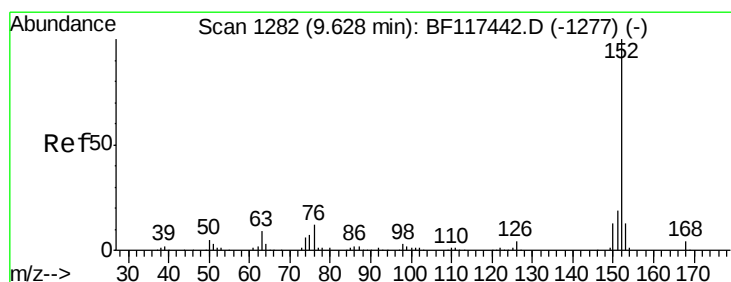
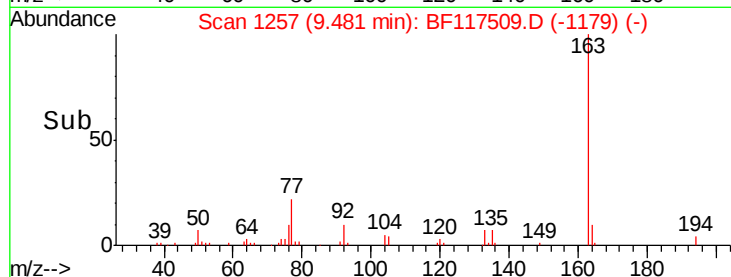
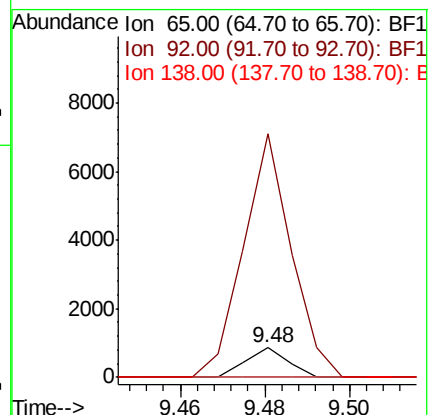
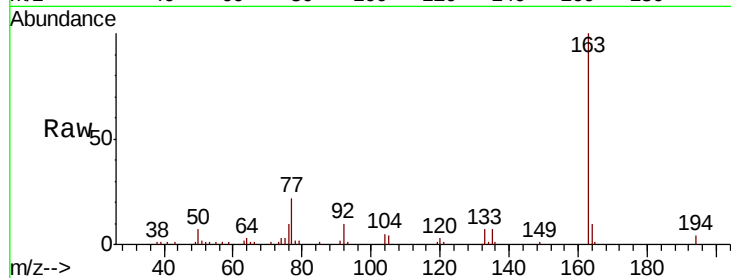




#48
2-Nitroaniline
Concen: 0.248 ng
RT: 9.48 min Scan# 1257
Delta R.T. 0.16 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

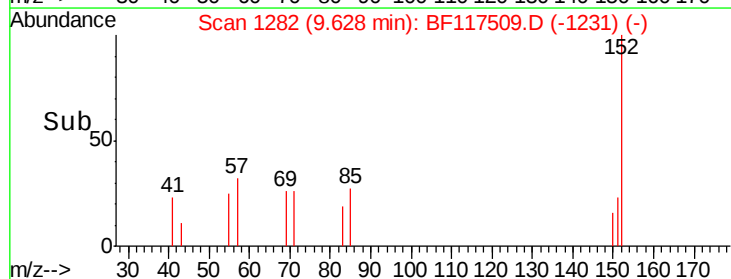
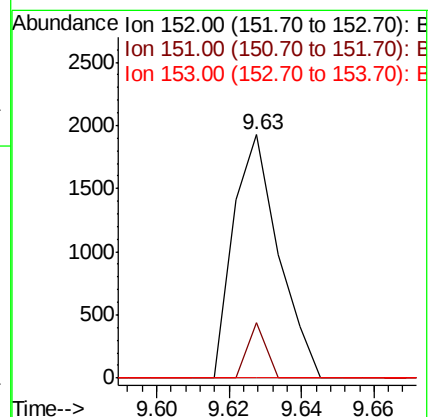
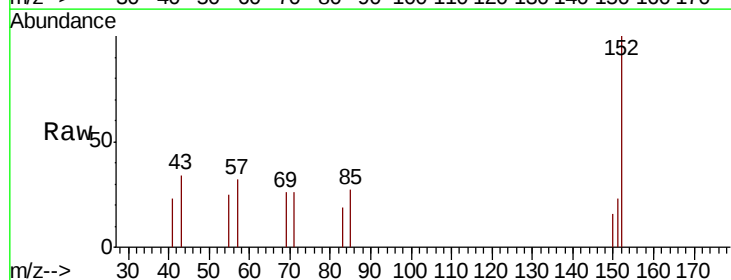
Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

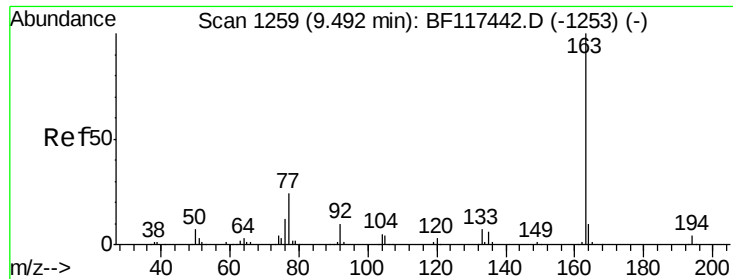
Tot Ion: 65 Resp: 586
Ion Ratio Lower Upper
65 100
92 831.1 57.3 85.9#
138 0.0 93.3 139.9#



#49
Acenaphthylene
Concen: 0.158 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion: 152 Resp: 1668
Ion Ratio Lower Upper
152 100
151 22.7 15.4 23.0
153 0.0 10.3 15.5#

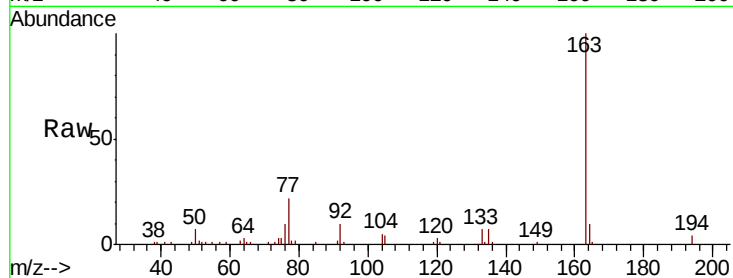




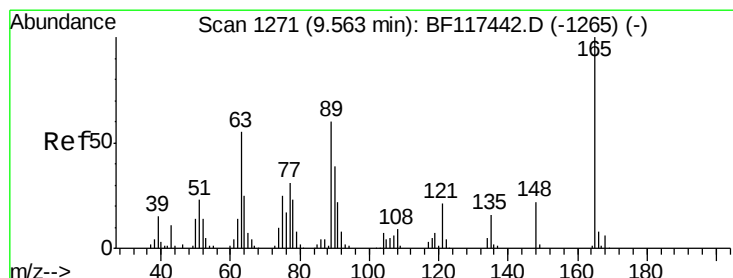
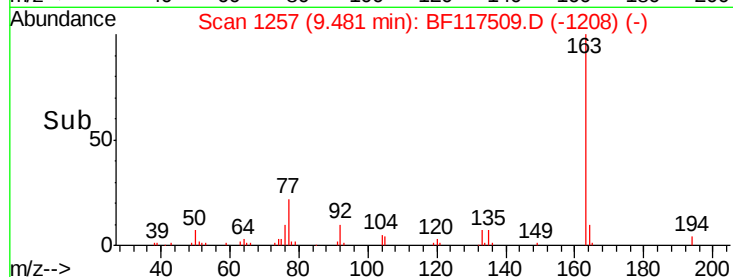
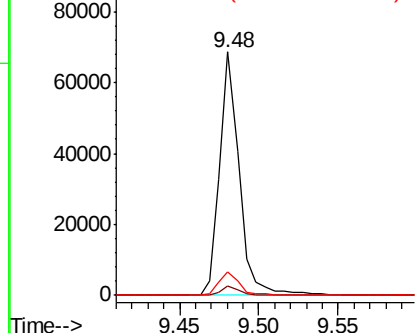
#50
Dimethylphthalate
Concen: 7.170 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	9.7	8.2	12.2

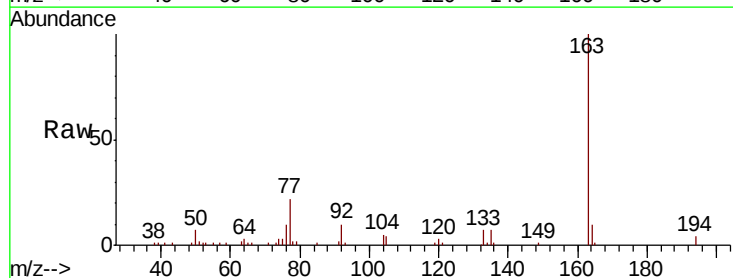


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

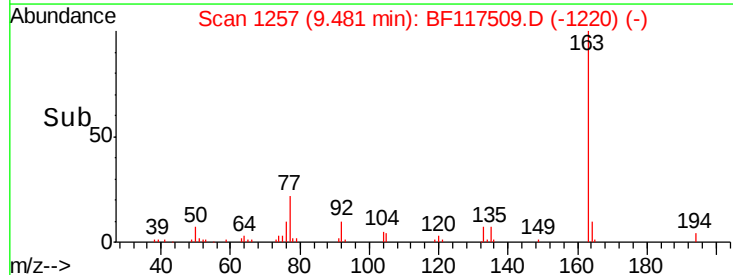
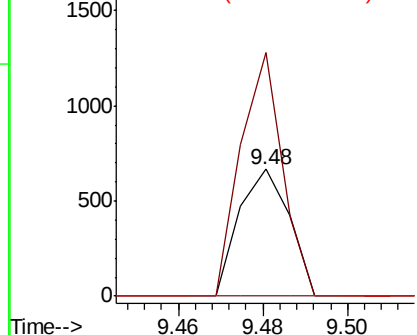


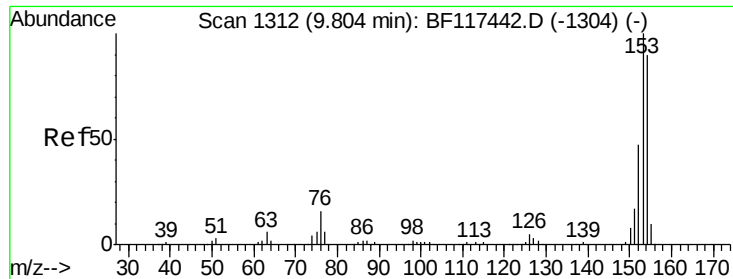
#51
2,6-Dinitrotoluene
Concen: 0.320 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.08 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	192.2	43.8	65.8#
89	0.0	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: 0.327 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

ClientSampleId :

167-00-(0-1)

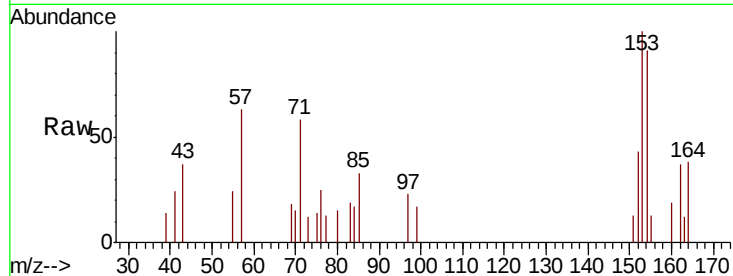
Tot Ion:154 Resp: 2120

Ion Ratio Lower Upper

154 100

153 109.9 89.2 133.8

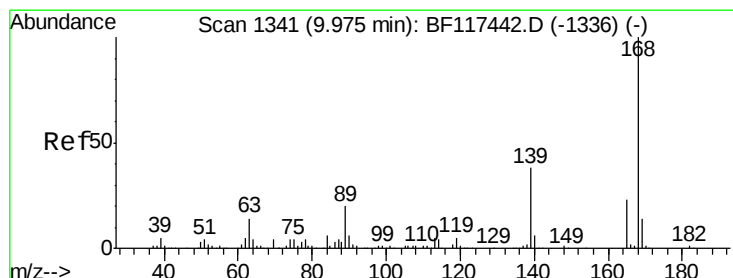
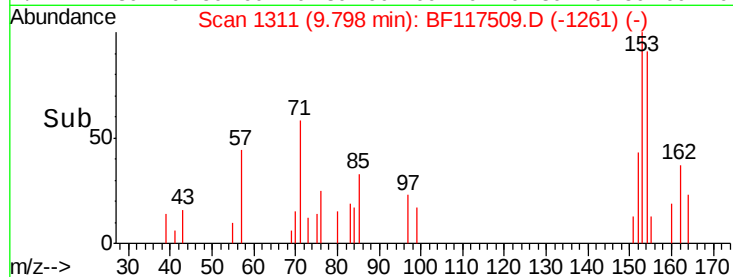
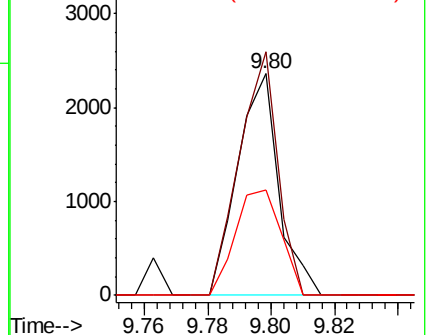
152 47.3 41.8 62.6



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



#55

Dibenzofuran

Concen: 0.131 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

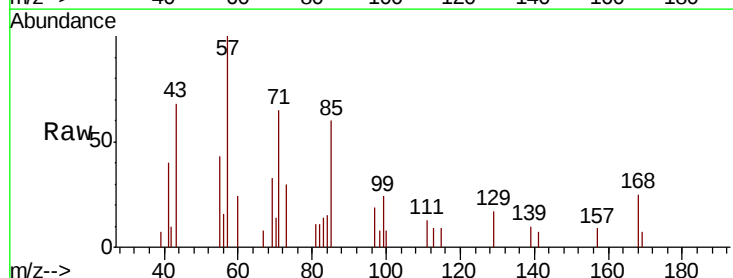
Tgt Ion:168 Resp: 1226

Ion Ratio Lower Upper

168 100

139 39.6 31.8 47.6

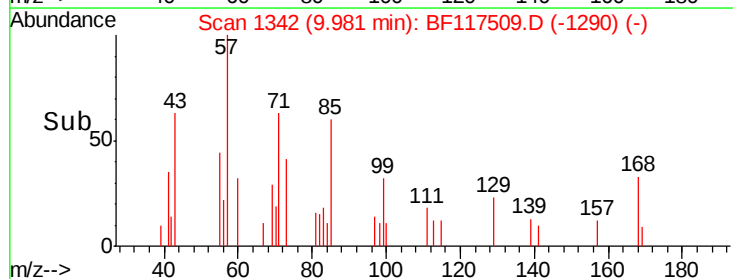
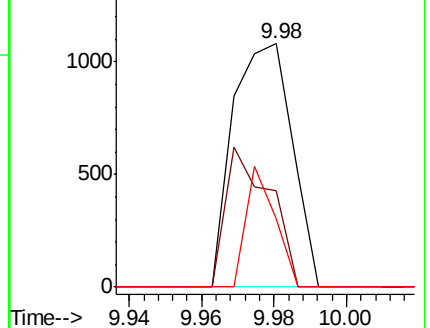
169 27.9 11.2 16.8#

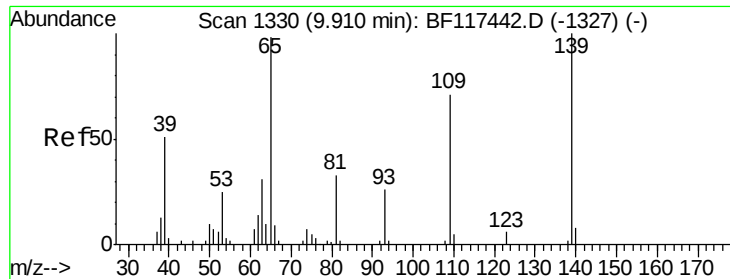


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

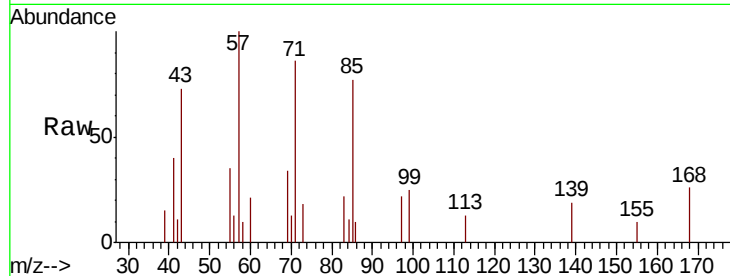




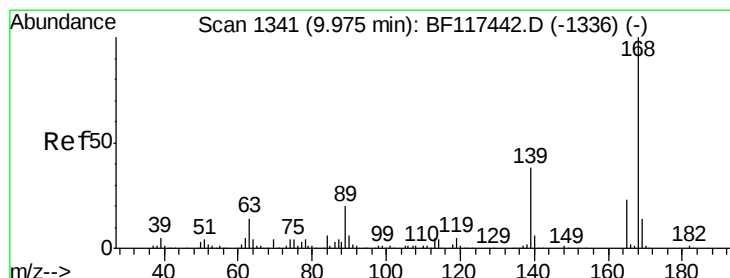
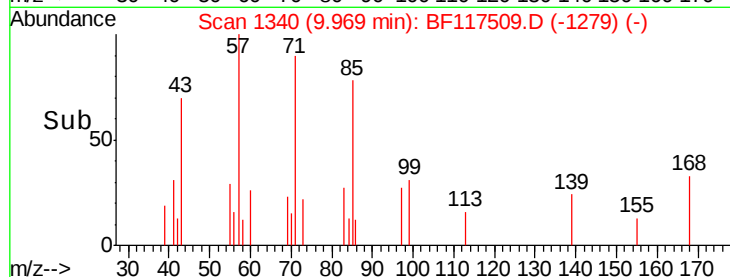
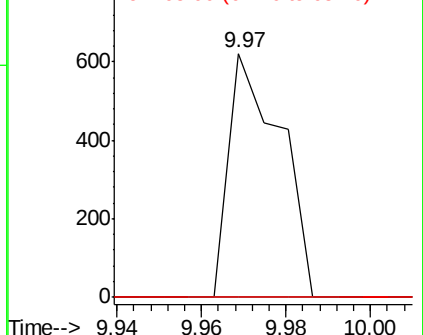
#56
4-Nitrophenol
Concen: 4.653 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.06 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

Tot Ion:139 Resp: 528
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#

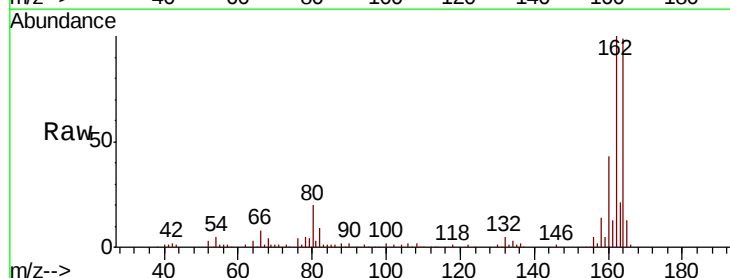


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

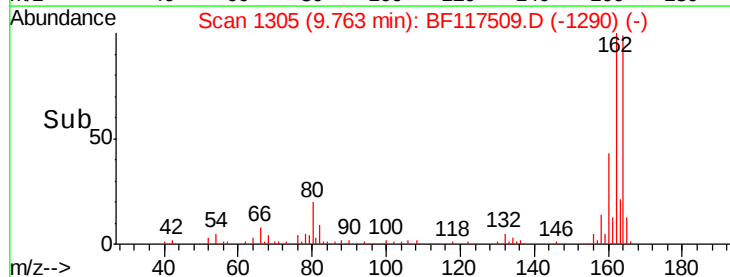
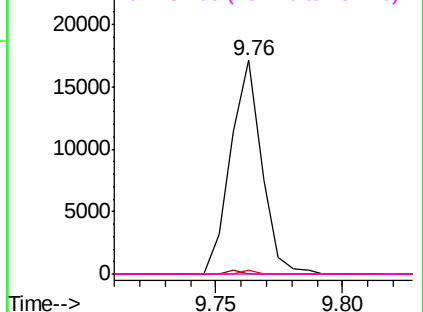


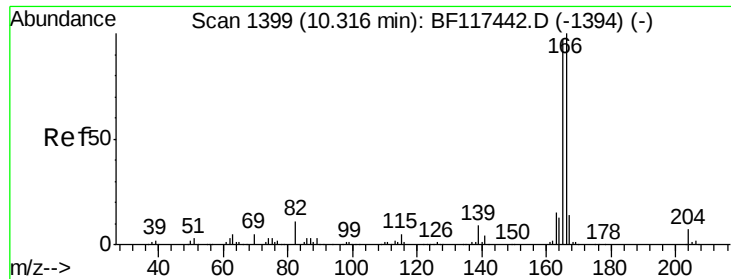
#57
2,4-Dinitrotoluene
Concen: 6.404 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion:165 Resp: 14596
Ion Ratio Lower Upper
165 100
63 0.0 51.4 77.0#
89 1.9 69.9 104.9#
182 0.0 1.9 2.9#



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





#58

Fluorene

Concen: 0.298 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

ClientSampleId :

167-00-(0-1)

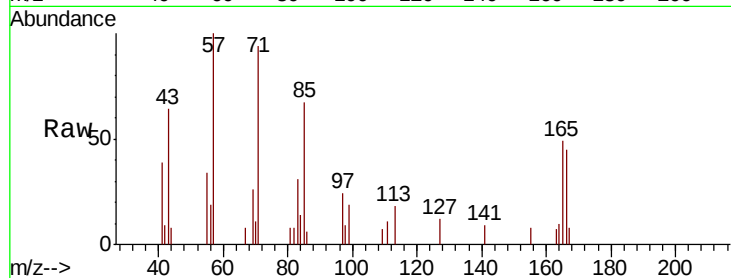
Tot Ion:166 Resp: 2311

Ion Ratio Lower Upper

166 100

165 108.4 77.6 116.4

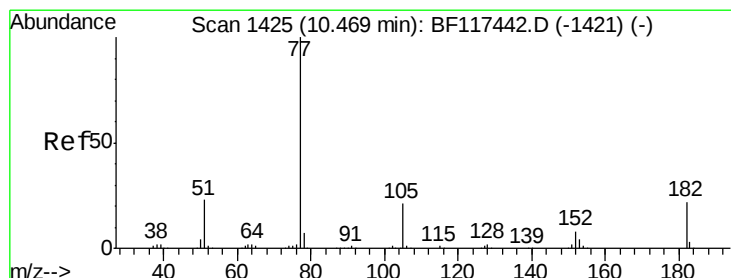
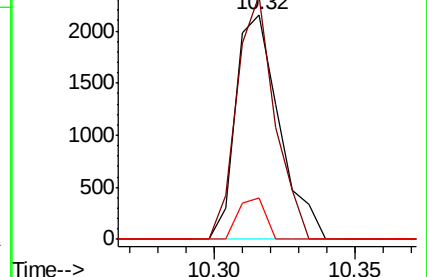
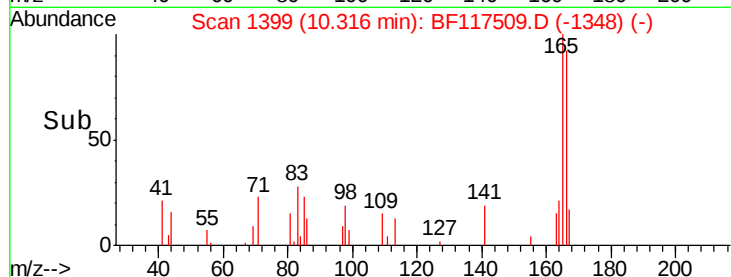
167 18.4 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Azobenzene

Concen: 0.013 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Tgt Ion: 77 Resp: 107

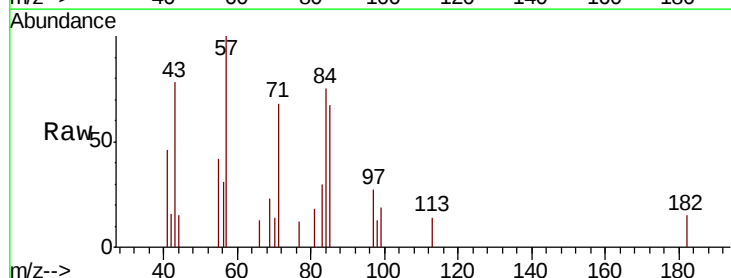
Ion Ratio Lower Upper

77 100

182 123.2 2.3 42.3#

105 0.0 1.3 41.3#

51 0.0 3.5 43.5#

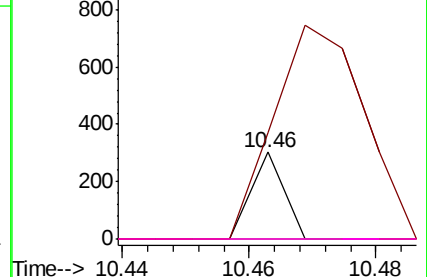
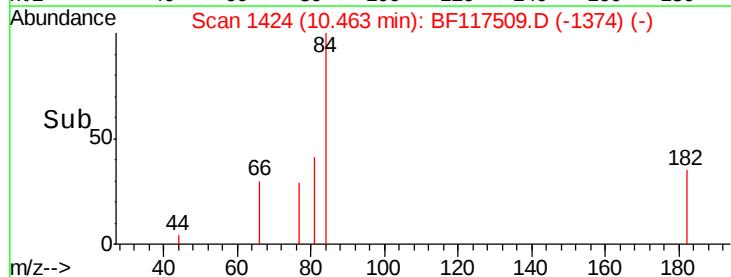


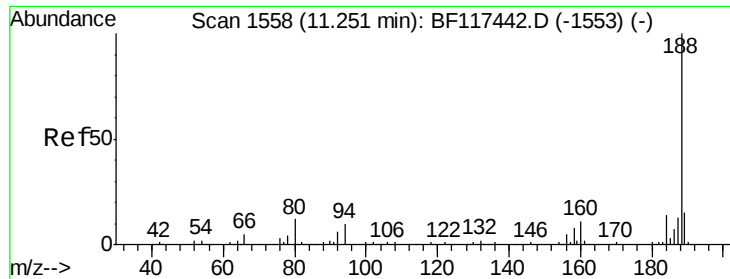
Abundance Ion 77.00 (76.70 to 77.70): BF1

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# 1558

Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

ClientSampleId :

167-00-(0-1)

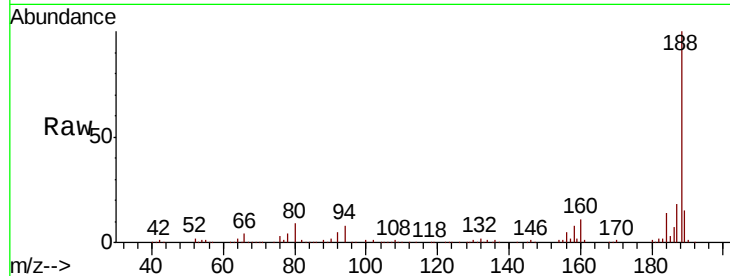
Tot Ion:188 Resp: 184428

Ion Ratio Lower Upper

188 100

94 8.3 8.0 12.0

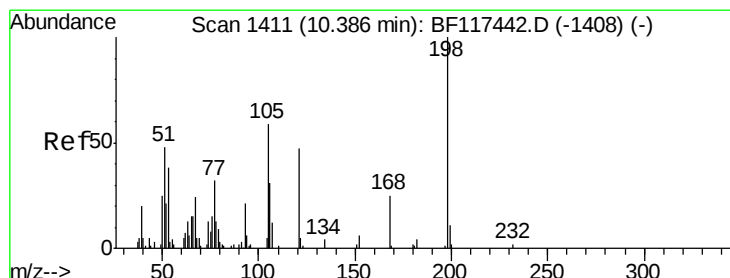
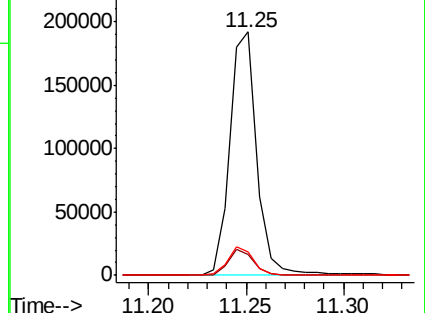
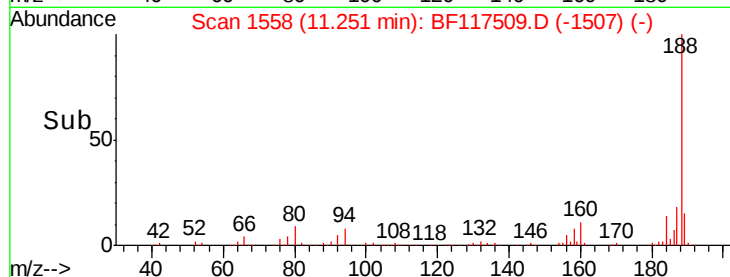
80 9.5 9.5 14.3#



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: 0.125 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.17 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

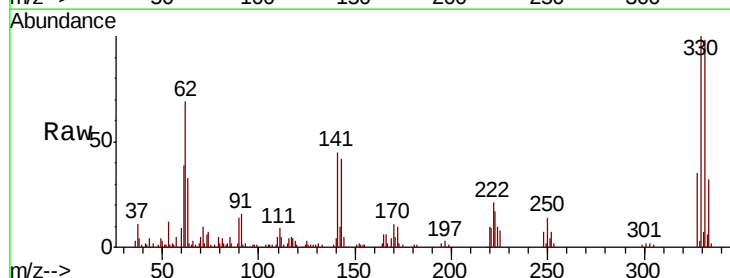
Tgt Ion:198 Resp: 117

Ion Ratio Lower Upper

198 100

51 171.7 29.1 69.1#

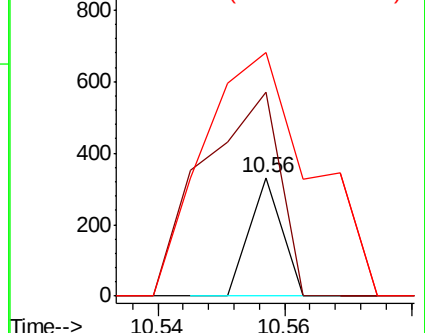
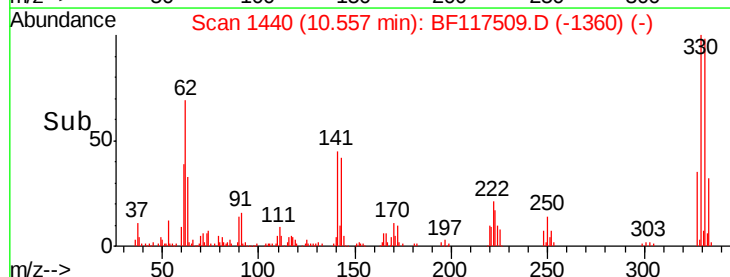
105 205.1 39.4 79.4#

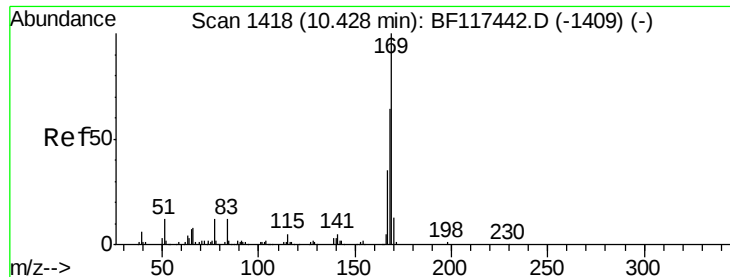


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

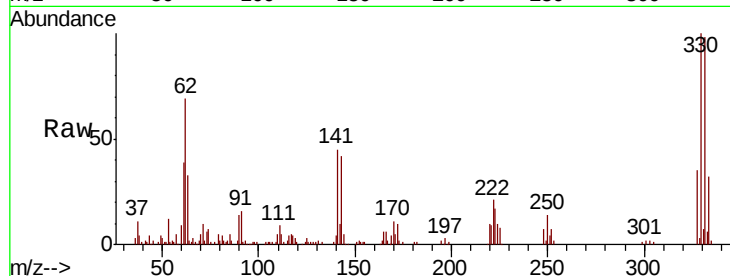




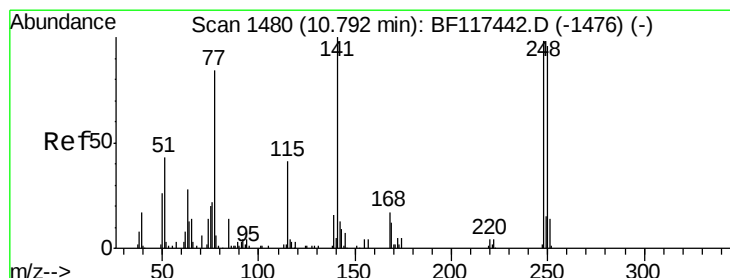
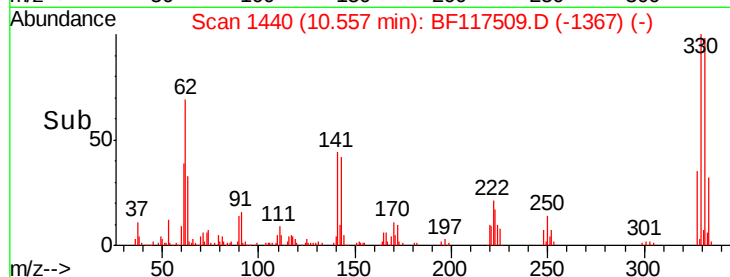
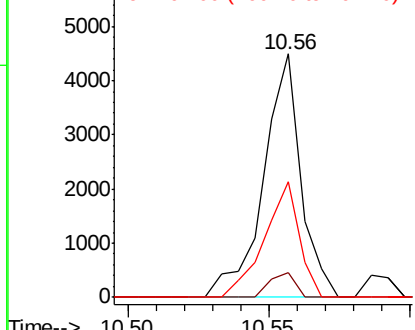
#66
 n-Nitrosodiphenylamine
 Concen: 0.613 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.13 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 167-00-(0-1)

Tot Ion:169 Resp: 4136
 Ion Ratio Lower Upper
 169 100
 168 9.9 51.3 76.9#
 167 47.5 28.2 42.4#

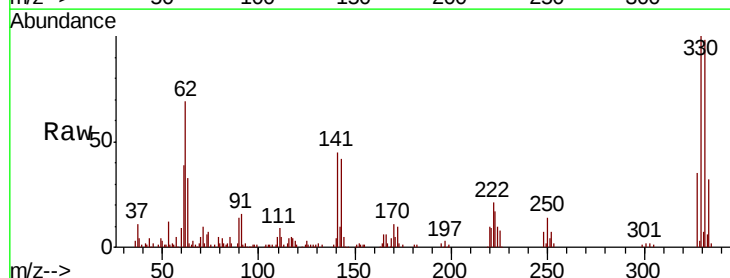


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

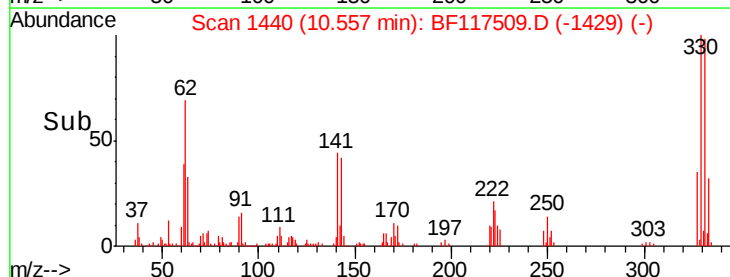
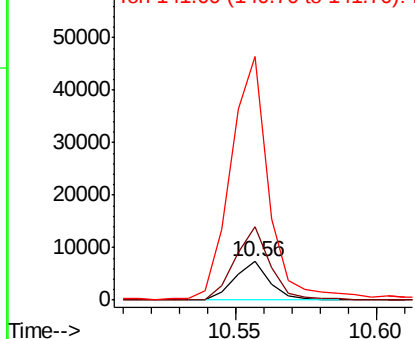


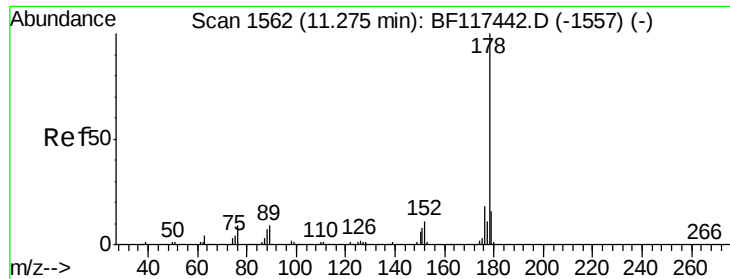
#67
 4-Bromophenyl-phenylether
 Concen: 3.128 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

Tgt Ion:248 Resp: 6214
 Ion Ratio Lower Upper
 248 100
 250 191.2 78.0 117.0#
 141 631.6 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

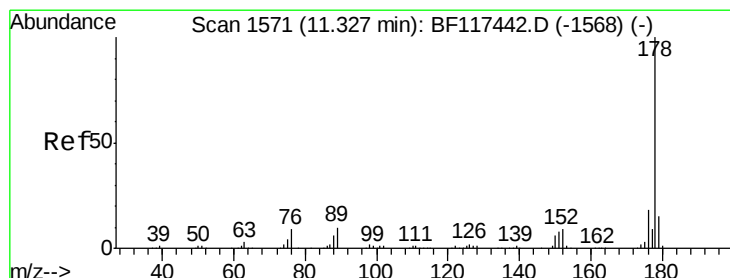
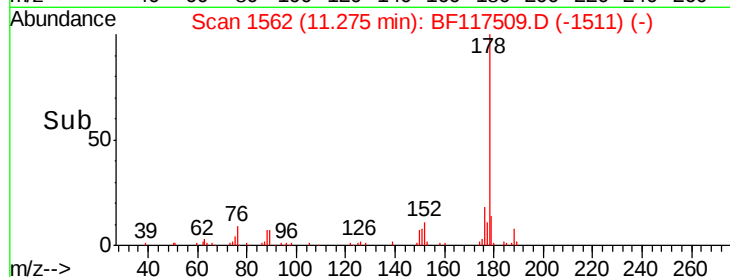
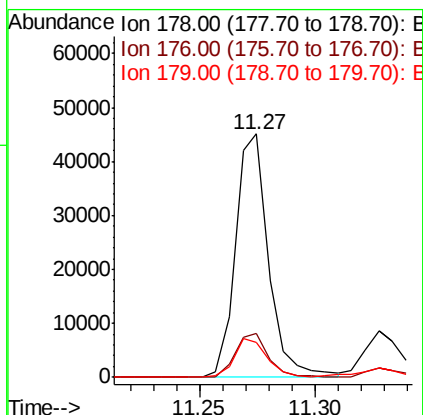
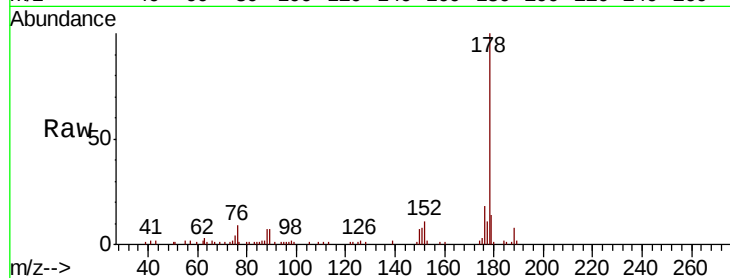




#71
Phenanthrene
Concen: 4.207 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

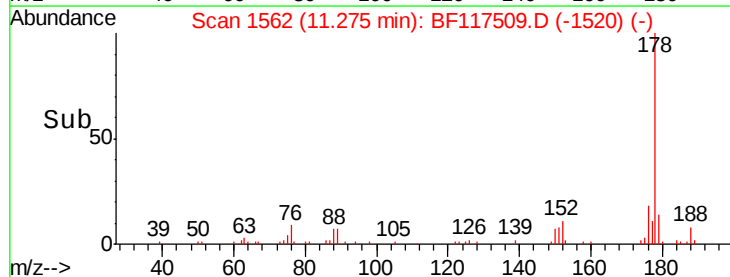
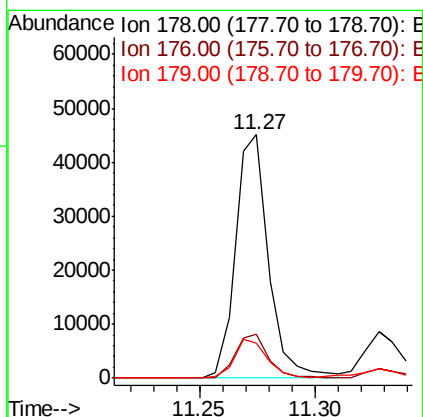
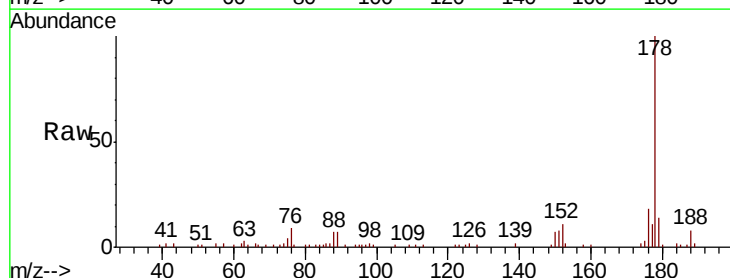
Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

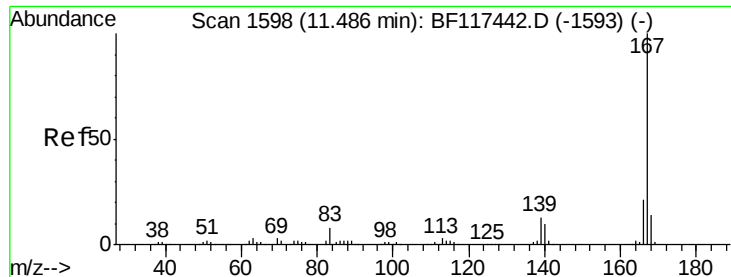
Tot Ion:178 Resp: 45050
Ion Ratio Lower Upper
178 100
176 17.8 14.6 22.0
179 14.3 12.6 19.0



#72
Anthracene
Concen: 4.100 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.05 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion:178 Resp: 45050
Ion Ratio Lower Upper
178 100
176 17.8 14.7 22.1
179 14.3 12.2 18.2

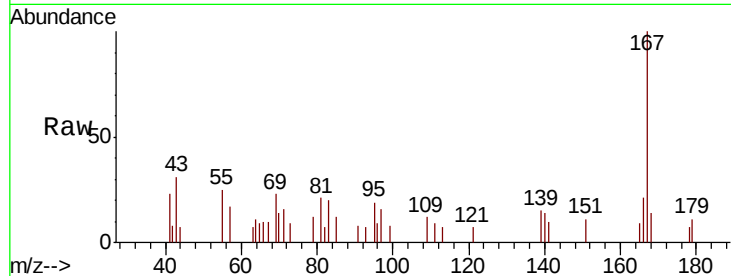




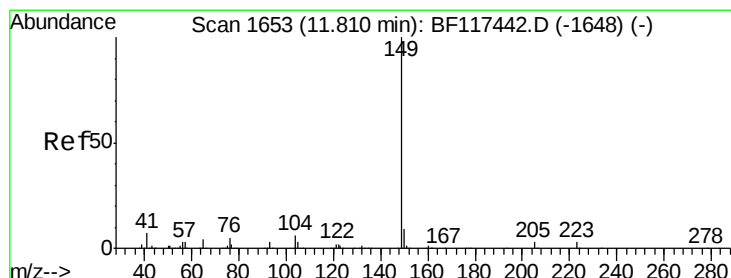
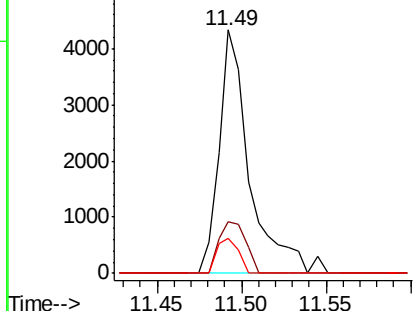
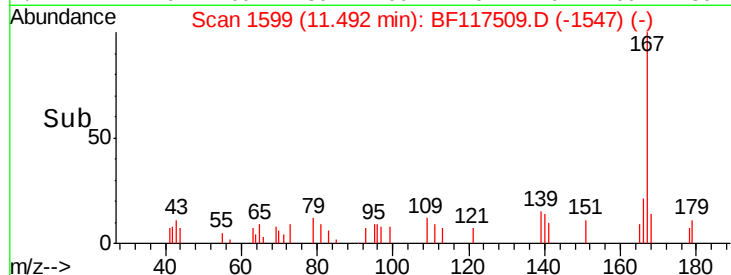
#73
 Carbazole
 Concen: 0.546 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 167-00-(0-1)

Tot Ion:167 Resp: 5484
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.0 25.6
 139 14.5 10.6 16.0

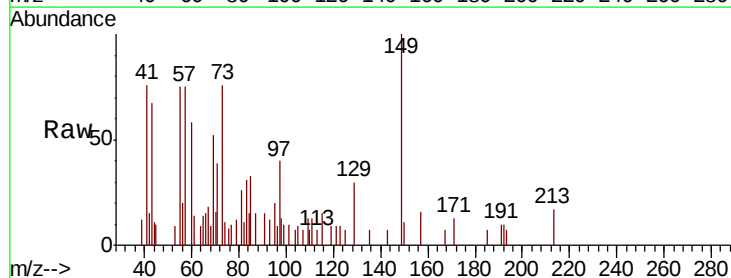


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

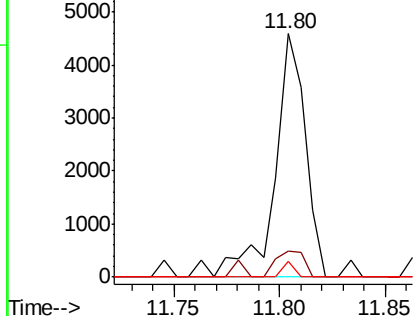
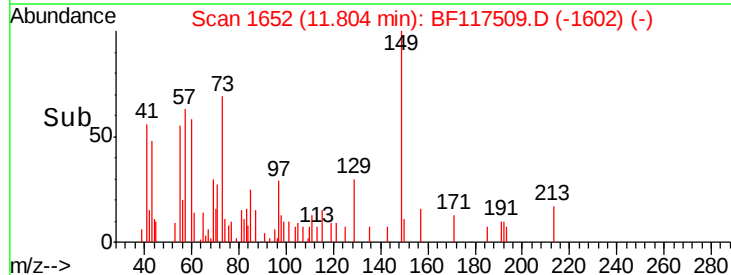


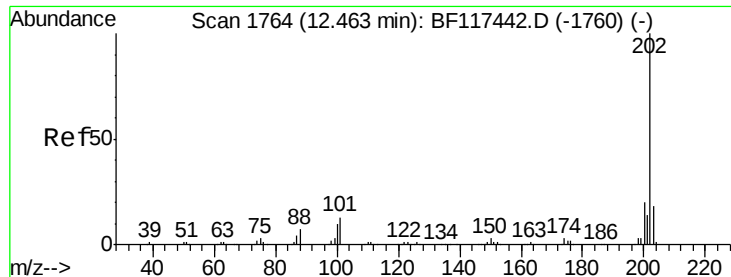
#74
 Di-n-butylphthalate
 Concen: 0.350 ng
 RT: 11.80 min Scan# 1652
 Delta R.T. -0.01 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

Tgt Ion:149 Resp: 4693
 Ion Ratio Lower Upper
 149 100
 150 10.9 7.5 11.3
 104 6.6 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: 7.469 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

ClientSampleId :

167-00-(0-1)

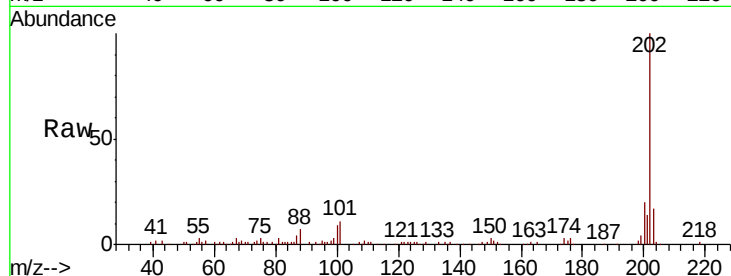
Tot Ion:202 Resp: 80075

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.7

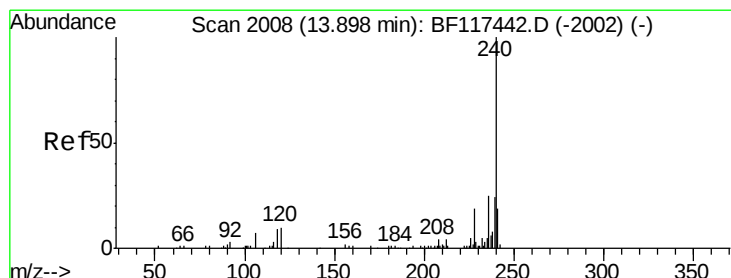
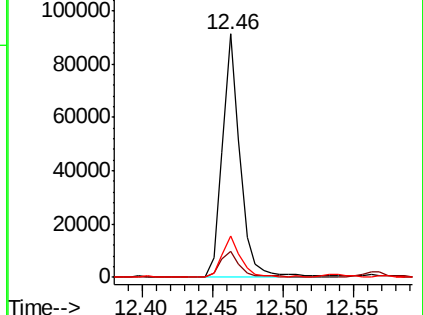
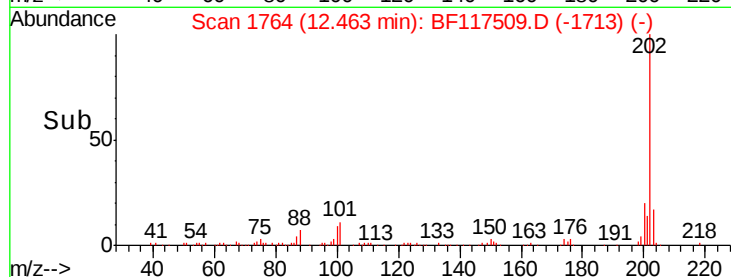
203 17.1 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

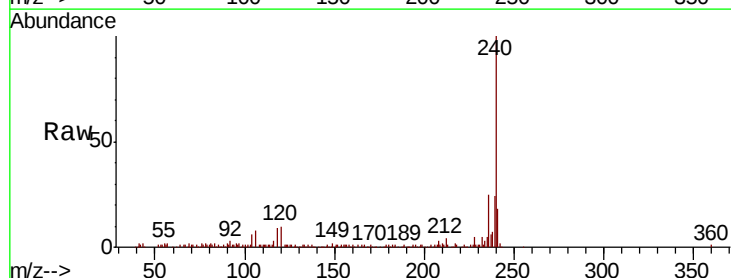
Tgt Ion:240 Resp: 115424

Ion Ratio Lower Upper

240 100

120 10.0 8.4 12.6

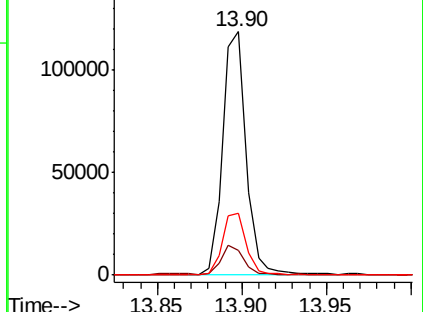
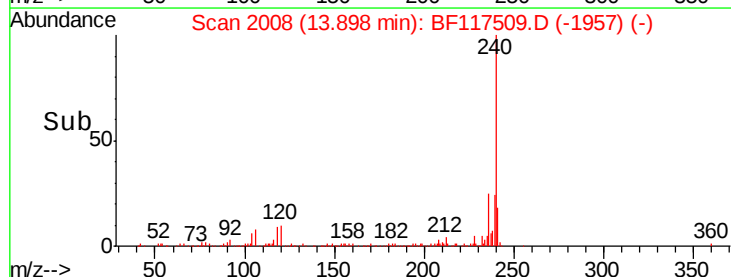
236 25.4 20.0 30.0

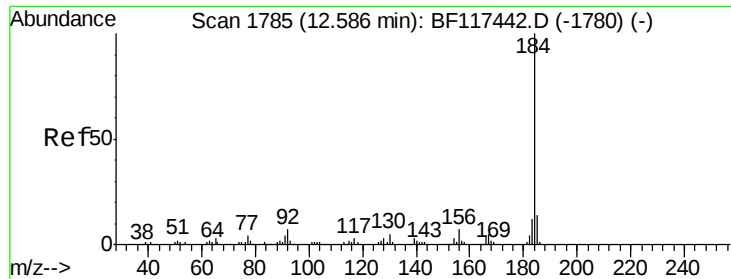


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 12.83 min Scan# 1827

Delta R.T. 0.25 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

ClientSampleId :

167-00-(0-1)

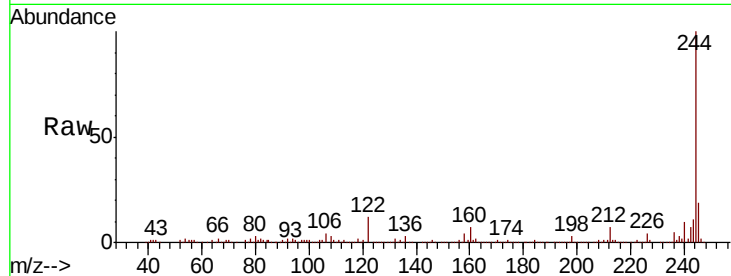
Tot Ion:184 Resp: 5096

Ion Ratio Lower Upper

184 100

185 19.5 11.4 17.0#

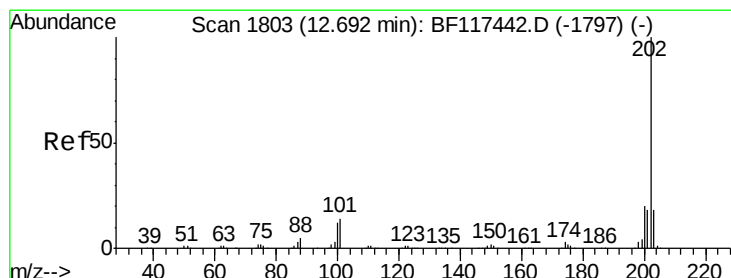
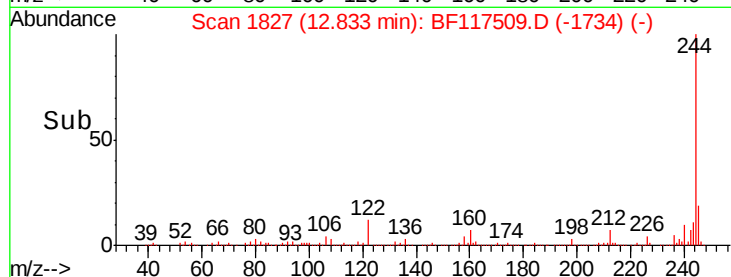
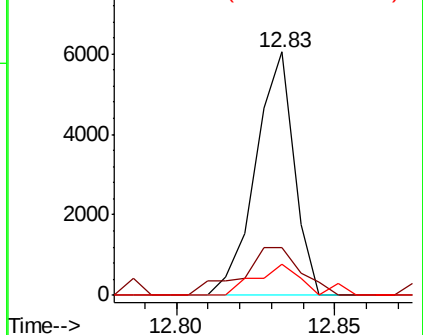
183 12.8 9.6 14.4



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: 6.676 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

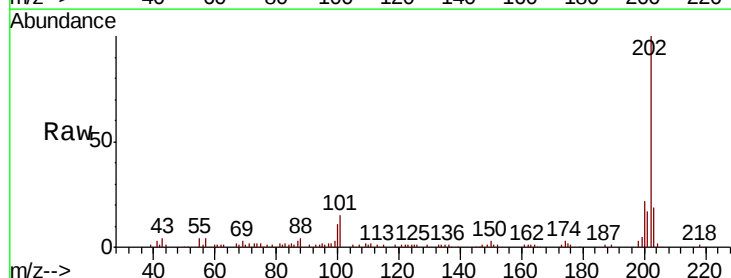
Tgt Ion:202 Resp: 66188

Ion Ratio Lower Upper

202 100

200 21.5 16.2 24.2

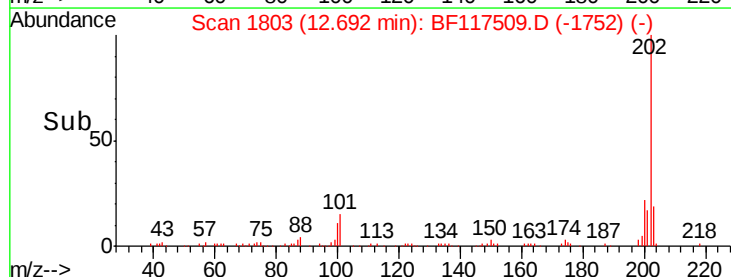
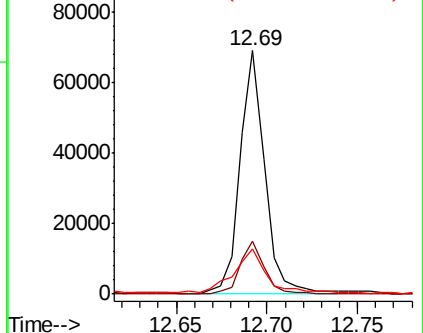
203 18.7 14.0 21.0

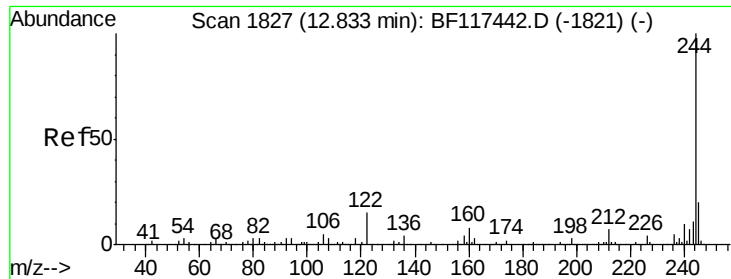


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

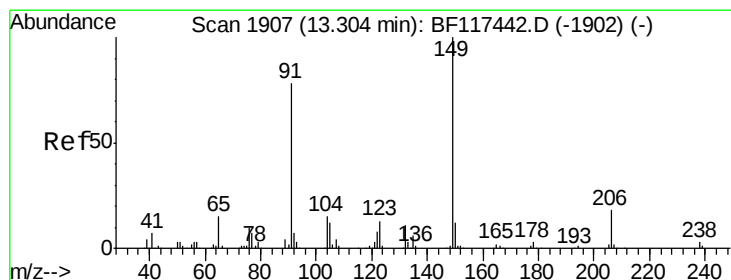
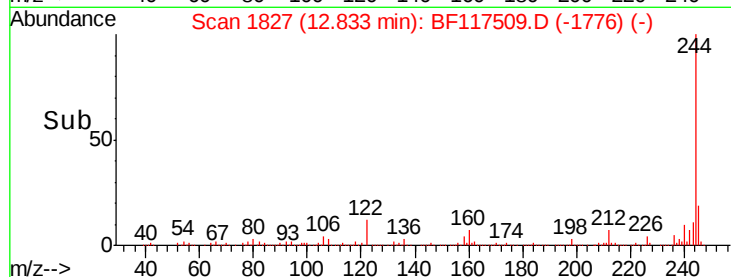
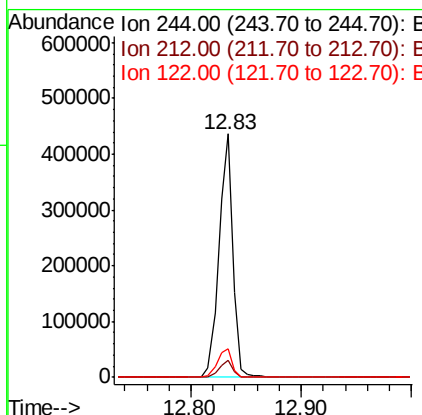
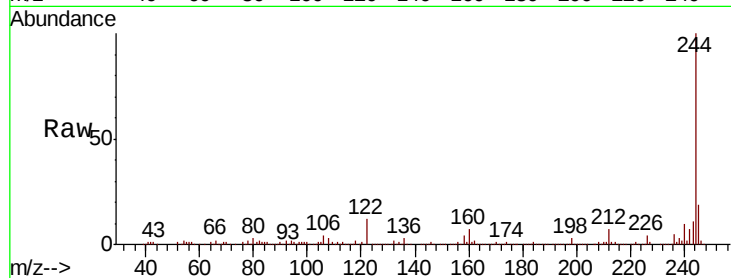




#79
 Terphenyl-d14
 Concen: 53.634 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

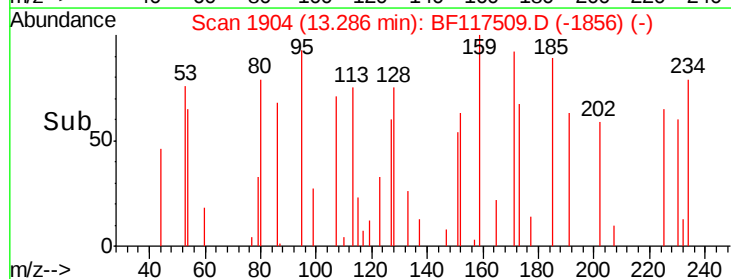
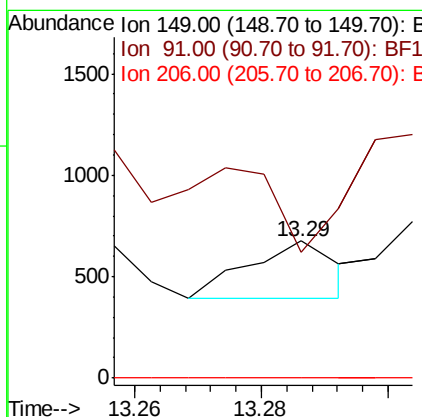
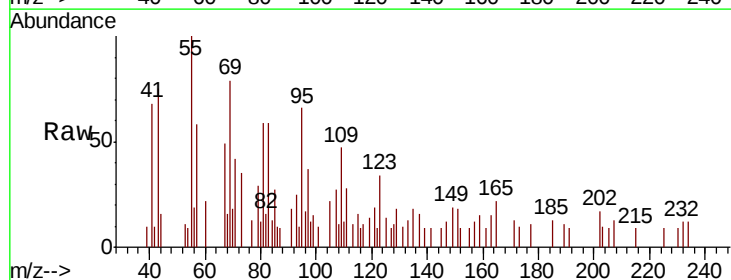
Instrument :
 BNA_F
 ClientSampleId :
 167-00-(0-1)

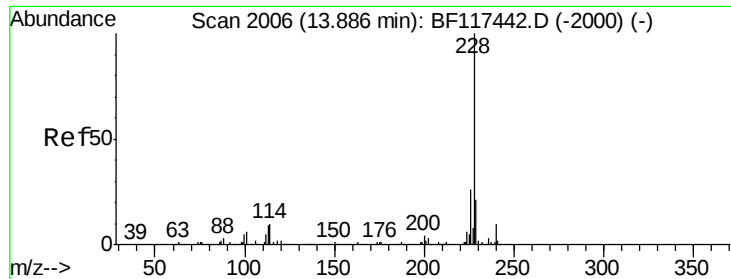
Tot Ion:244 Resp: 379533
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 11.9 11.8 17.8



#80
 Butylbenzylphthalate
 Concen: 0.056 ng
 RT: 13.29 min Scan# 1904
 Delta R.T. -0.02 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

Tgt Ion:149 Resp: 274
 Ion Ratio Lower Upper
 149 100
 91 92.0 62.1 93.1
 206 0.0 14.3 21.5#

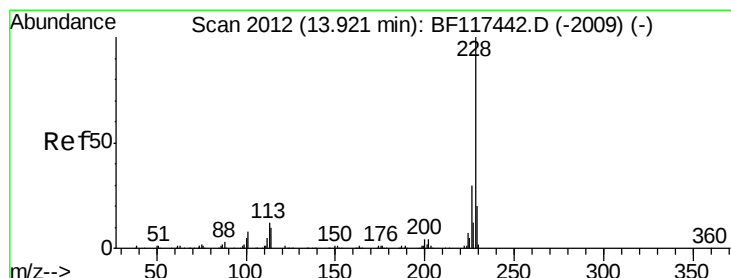
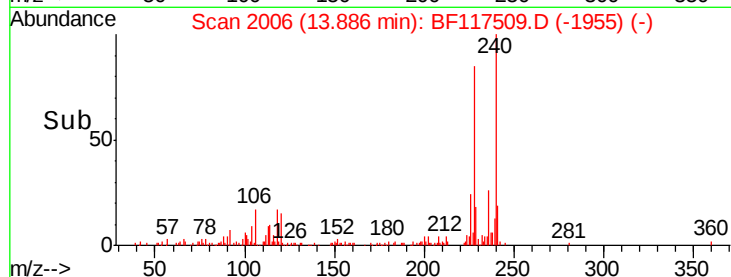
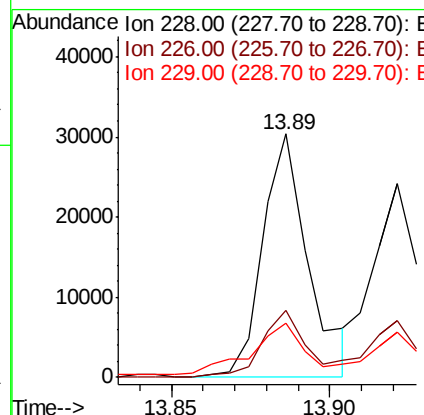
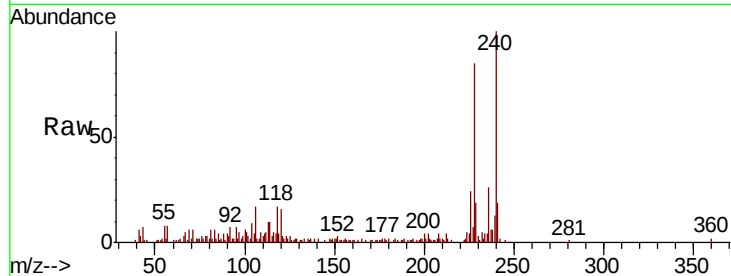




#81
Benzo(a)anthracene
Concen: 3.904 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

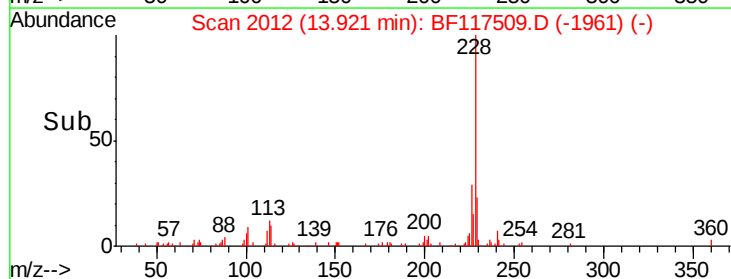
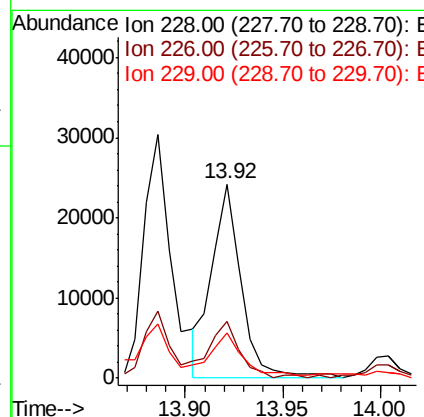
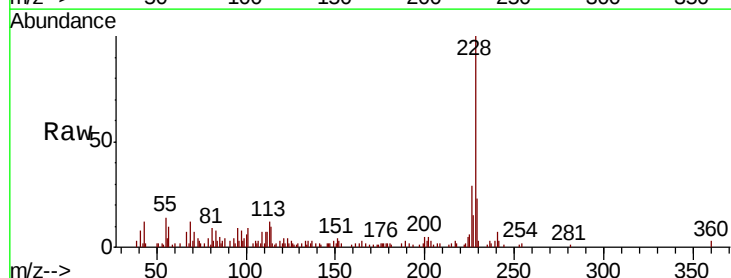
Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

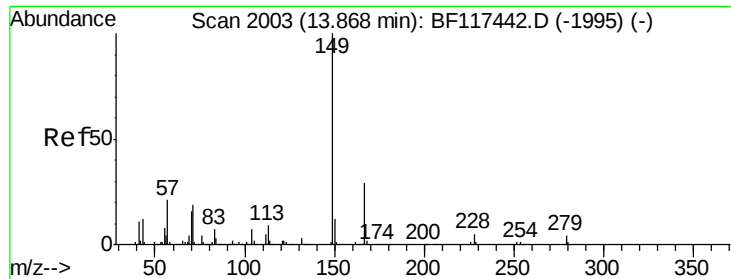
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.0	31.4
229	22.2	16.4	24.6



#83
Chrysene
Concen: 3.369 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.9	35.9
229	23.0	15.8	23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.861 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

ClientSampleId :

167-00-(0-1)

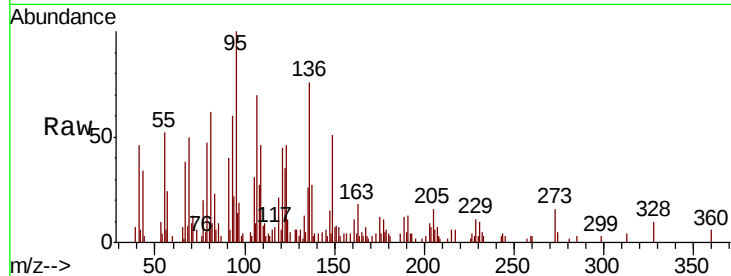
Tot Ion:149 Resp: 5948

Ion Ratio Lower Upper

149 100

167 12.8 23.3 34.9#

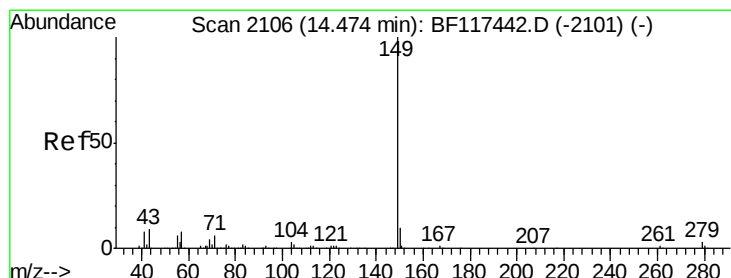
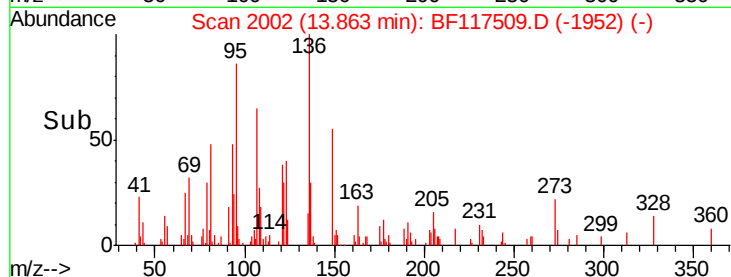
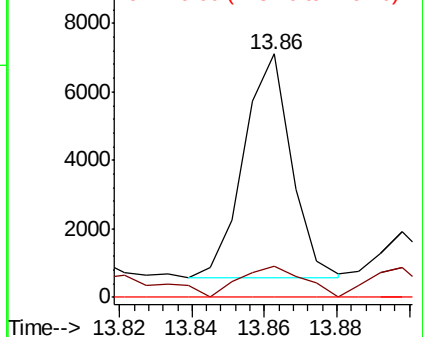
279 0.0 3.2 4.8#



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: 0.023 ng

RT: 14.49 min Scan# 2109

Delta R.T. 0.02 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

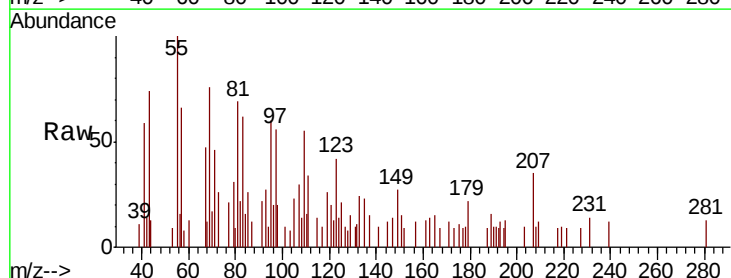
Tgt Ion:149 Resp: 247

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

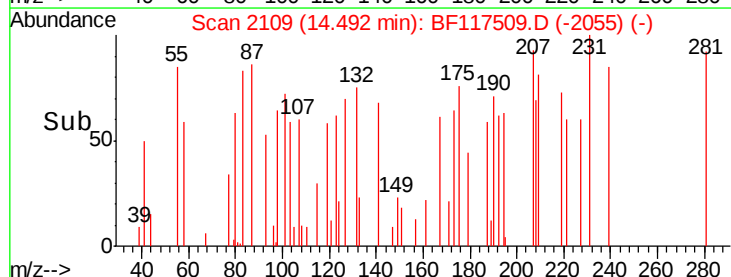
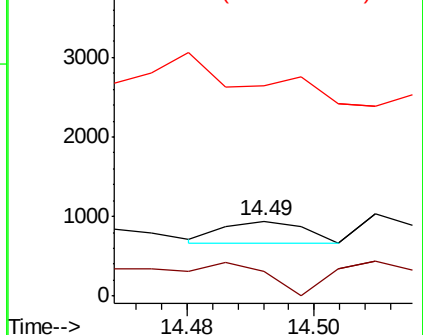
43 0.0 6.8 10.2#

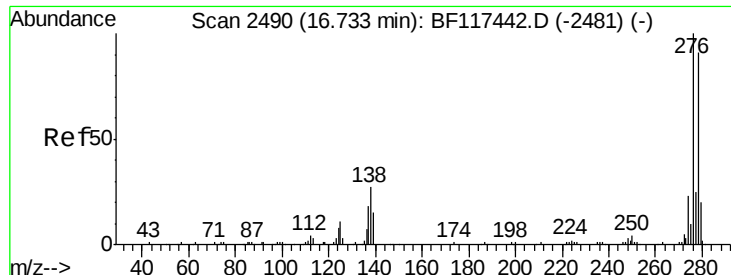


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

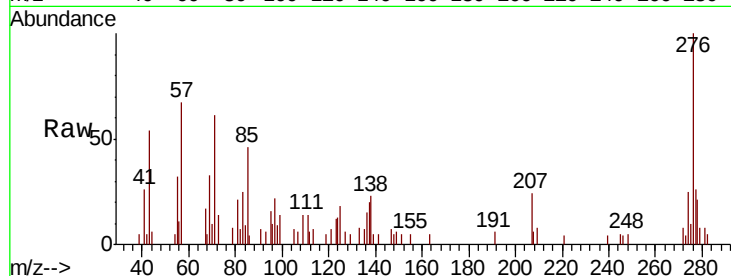




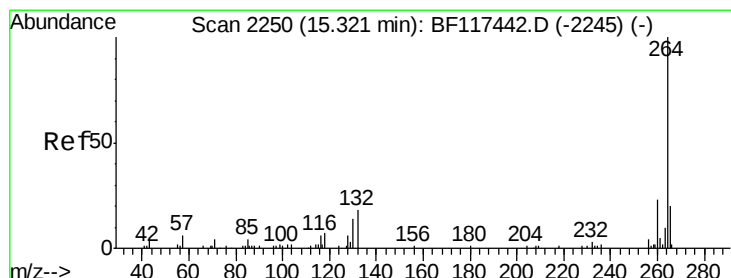
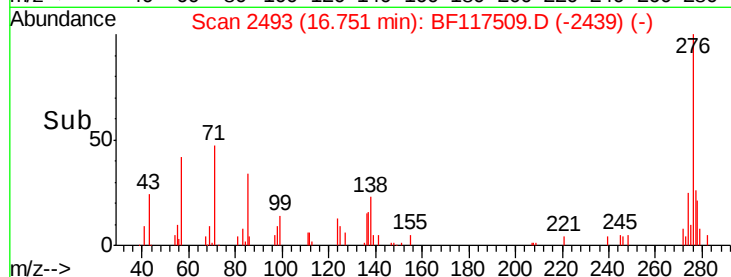
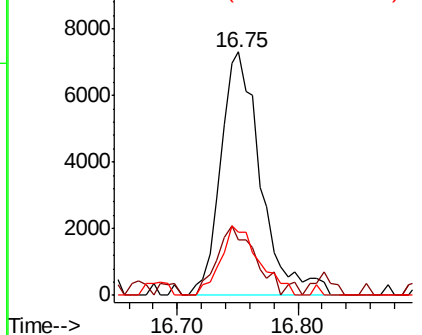
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.945 ng
 RT: 16.75 min Scan# 2493
 Delta R.T. 0.02 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 167-00-(0-1)

Tot Ion:276 Resp: 16779
 Ion Ratio Lower Upper
 276 100
 138 27.4 21.8 32.8
 277 27.4 20.0 30.0

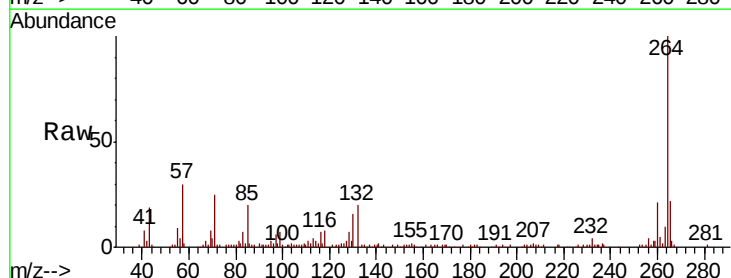


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

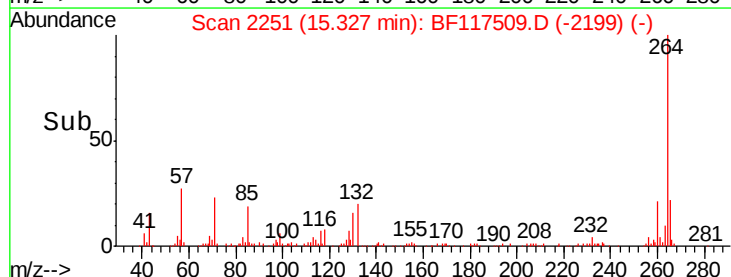
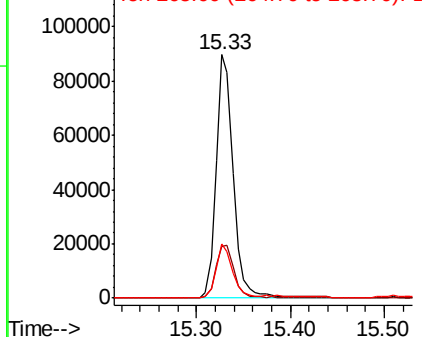


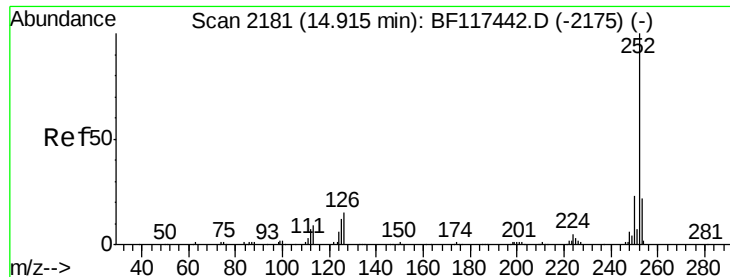
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

Tgt Ion:264 Resp: 115128
 Ion Ratio Lower Upper
 264 100
 260 21.1 18.4 27.6
 265 22.3 16.1 24.1



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

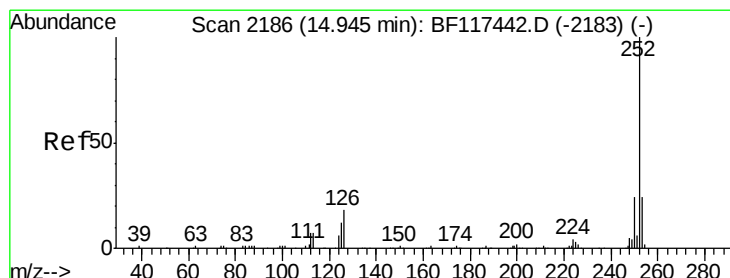
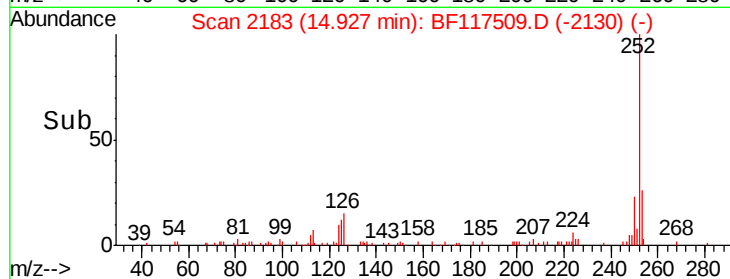
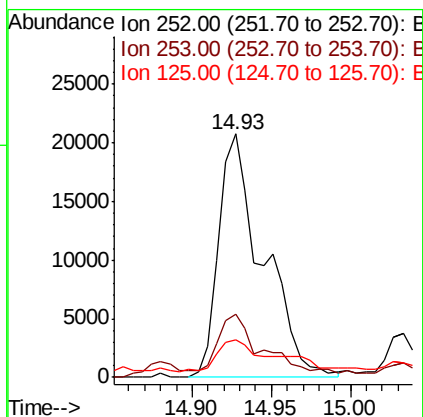
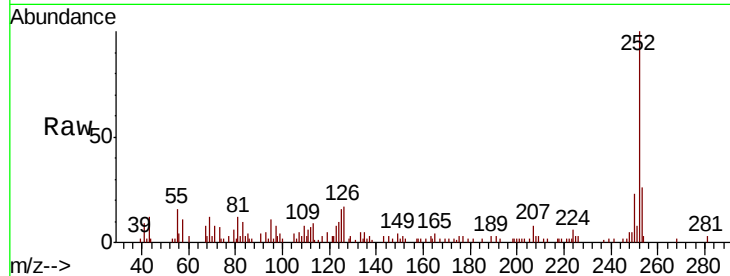




#88
Benzo(b)fluoranthene
Concen: 5.915 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

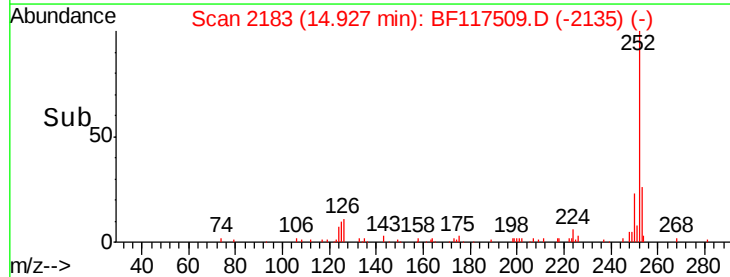
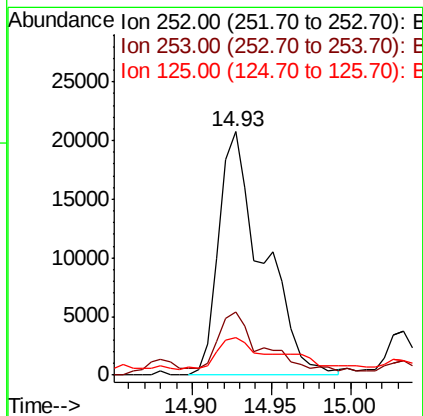
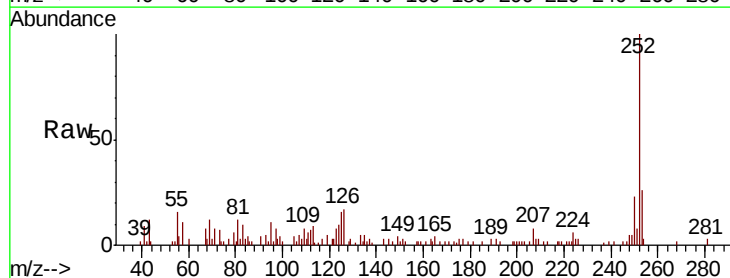
Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

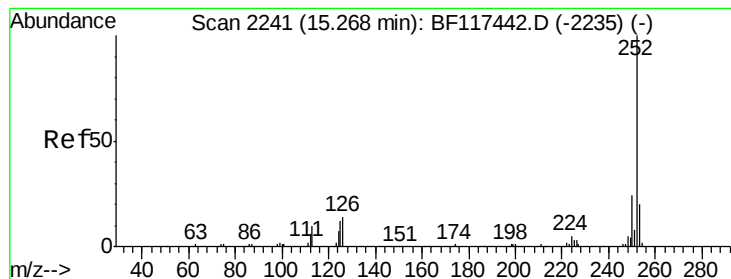
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.8	26.6
125	15.7	9.9	14.9#



#89
Benzo(k)fluoranthene
Concen: 5.771 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.0	27.0
125	15.7	8.9	13.3#





#90

Benzo(a)pyrene

Concen: 3.718 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.01 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

ClientSampleId :

167-00-(0-1)

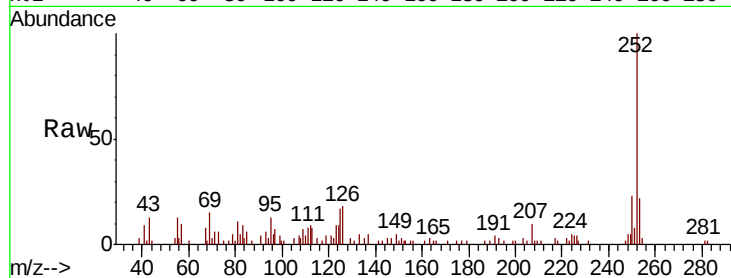
Tot Ion:252 Resp: 22981

Ion Ratio Lower Upper

252 100

253 21.6 16.3 24.5

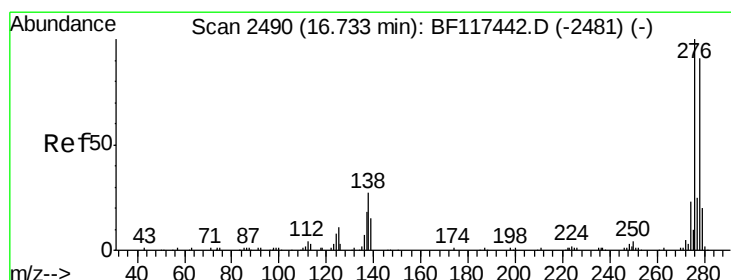
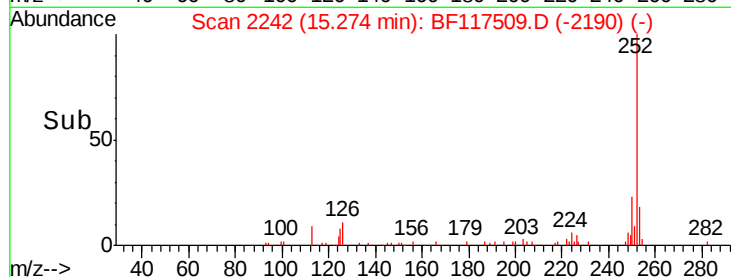
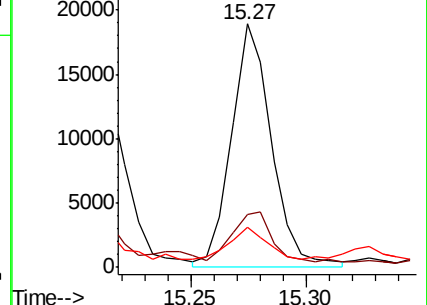
125 16.6 9.2 13.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.905 ng

RT: 16.74 min Scan# 2491

Delta R.T. 0.01 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

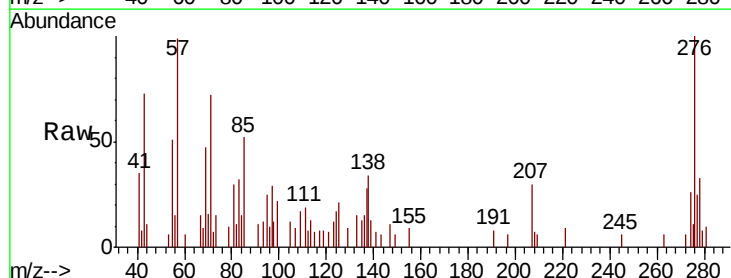
Tgt Ion:278 Resp: 4837

Ion Ratio Lower Upper

278 100

139 38.6 13.4 20.0#

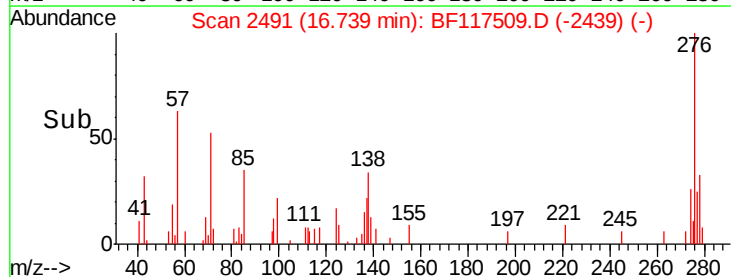
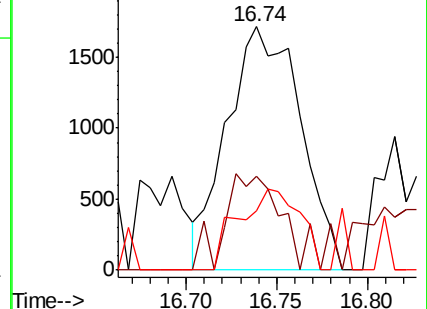
279 24.5 17.8 26.6

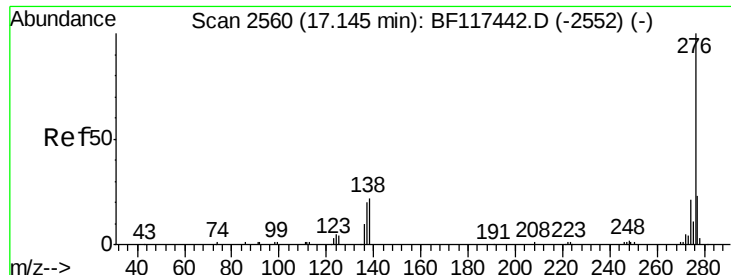


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.239 ng

RT: 17.17 min Scan# 2565

Delta R.T. 0.03 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

ClientSampleId :

167-00-(0-1)

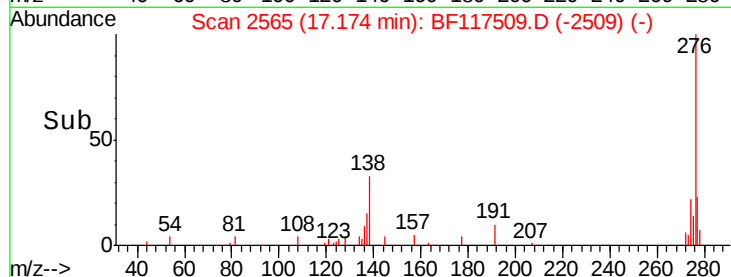
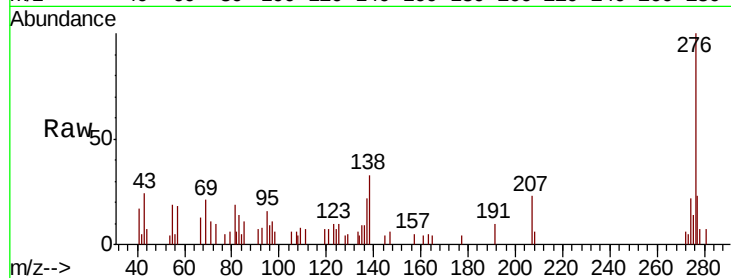
Tot Ion: 276 Resp: 16378

Ion Ratio Lower Upper

276 100

277 23.1 18.4 27.6

138 33.1 17.8 26.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

