

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117518.D
 Acq On : 24 Oct 2019 18:53
 Operator : JU
 Sample : K5499-17
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 704-04-(0-1)

Quant Time: Oct 25 01:05:44 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	47299	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	191567	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	92782	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	129926	20.00	ng	0.00
76) Chrysene-d12	13.90	240	91032	20.00	ng	0.00
87) Perylene-d12	15.33	264	94964	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	274605	86.37	ng	0.00
7) Phenol-d6	6.39	99	372773	87.30	ng	0.00
23) Nitrobenzene-d5	7.30	82	230012	59.28	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	59219	73.77	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	373910	56.78	ng	0.00
79) Terphenyl-d14	12.83	244	238790	42.79	ng	0.00

Target Compounds				Qvalue		
6) Aniline	6.51	93	339	0.068	ng	# 1
9) Benzaldehyde	6.39	77	477	Below	Cal	# 3
10) Phenol	6.40	94	3017	0.692	ng	# 24
11) bis(2-Chloroethyl)ether	6.51	93	339	0.105	ng	# 1
15) Benzyl Alcohol	6.89	79	3432	1.125	ng	# 48
19) n-Nitroso-di-n-propylamine	7.30	70	30963	11.873	ng	# 80
22) Acetophenone	7.05	105	119	0.023	ng	# 55
24) Nitrobenzene	7.30	77	640	0.172	ng	# 41
25) Isophorone	7.30	82	230009	34.264	ng	# 65
31) Naphthalene	8.03	128	8870	0.934	ng	# 99
33) 4-Chloroaniline	8.03	127	1124	0.280	ng	# 29
36) 4-Chloro-3-methylphenol	8.75	107	551	0.186	ng	# 80
37) 2-Methylnaphthalene	8.73	142	2441	0.382	ng	# 79
38) 1-Methylnaphthalene	8.83	142	1808	0.301	ng	# 81
46) 1,1'-Biphenyl	9.19	154	1338	0.174	ng	# 91
47) 2-Chloronaphthalene	9.47	162	130	0.022	ng	# 1
48) 2-Nitroaniline	9.25	65	752	0.396	ng	# 1
49) Acenaphthylene	9.63	152	5437	0.639	ng	# 91
50) Dimethylnaphthalate	9.48	163	52886	7.996	ng	# 98
51) 2,6-Dinitrotoluene	9.76	165	11627	8.424	ng	# 24
52) Acenaphthene	9.80	154	4743	0.909	ng	# 93
55) Dibenzofuran	9.97	168	4196	0.555	ng	# 92
56) 4-Nitrophenol	9.97	139	1592	6.089	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	11627	6.336	ng	# 13
58) Fluorene	10.32	166	5769	0.923	ng	# 90
60) Diethylphthalate	10.18	149	114	0.017	ng	# 60
63) Azobenzene	10.47	77	257	0.038	ng	# 1
66) n-Nitrosodiphenylamine	10.42	169	379	0.080	ng	# 73
67) 4-Bromophenyl-phenylether	10.56	248	4063	2.903	ng	# 1
71) Phenanthrene	11.27	178	120705	15.999	ng	# 100
72) Anthracene	11.33	178	27954	3.611	ng	# 98
73) Carbazole	11.49	167	10446	1.477	ng	# 97
74) Di-n-butylphthalate	11.80	149	3494	0.370	ng	# 78
75) Fluoranthene	12.47	202	246227	32.602	ng	# 98

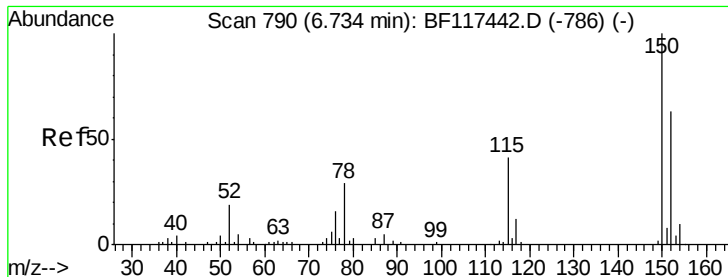
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Benzidine	12.83	184	3188	Below Cal	#	84
78) Pyrene	12.70	202	232088	29.682	nq	99
80) Butylbenzylphthalate	13.30	149	1051	0.270	nq	# 83
81) Benzo(a)anthracene	13.89	228	129686	21.120	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	1376	0.714	nq	# 32
83) Chrysene	13.92	228	115852	19.251	nq	99
84) Bis(2-ethylhexyl)phthalate	13.87	149	11057	2.029	nq	# 88
85) Di-n-octyl phthalate	14.50	149	1612	0.192	nq	# 76
86) Indeno(1,2,3-cd)pyrene	16.75	276	55250	12.297	nq	93
88) Benzo(b)fluoranthene	14.92	252	212126	37.827	nq	97
89) Benzo(k)fluoranthene	14.92	252	212126	36.907	nq	# 96
90) Benzo(a)pyrene	15.27	252	111201	21.810	nq	# 94
91) Dibenzo(a,h)anthracene	16.74	278	12810	2.906	nq	# 74
92) Benzo(q,h,i)perylene	17.18	276	54211	12.996	nq	96

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

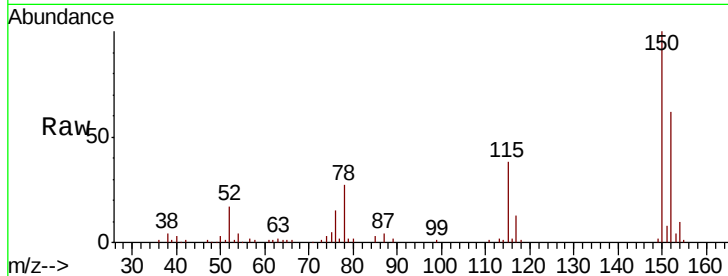


#1

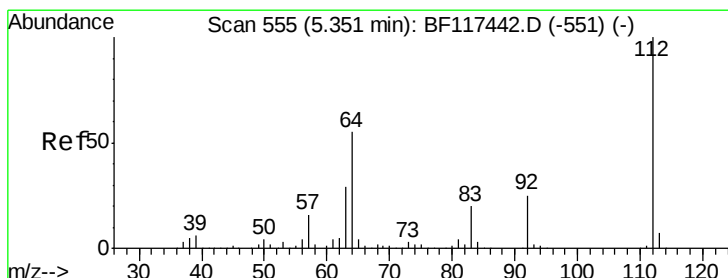
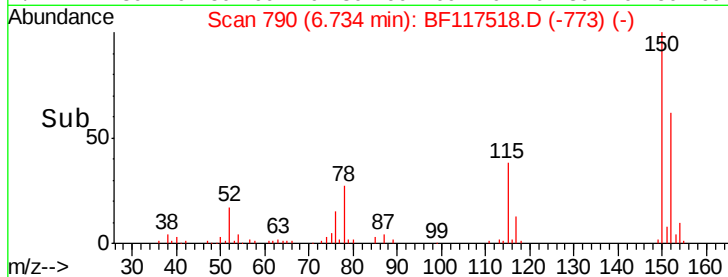
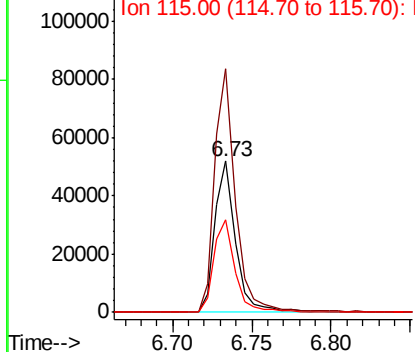
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion:152 Resp: 47299
Ion Ratio Lower Upper
152 100
150 161.1 126.8 190.2
115 61.1 51.6 77.4



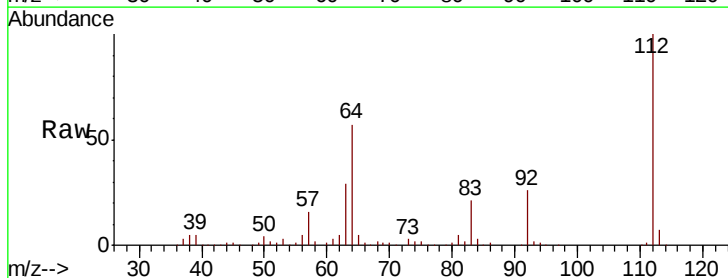
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



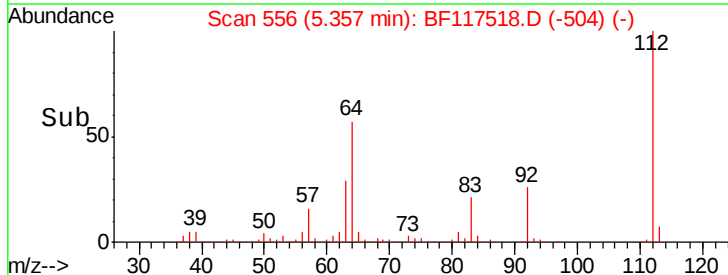
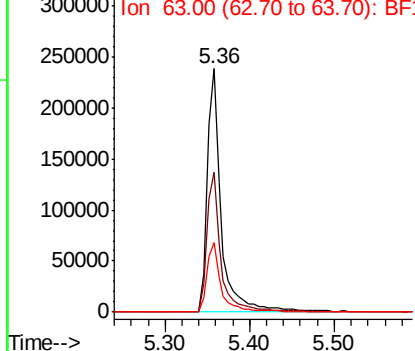
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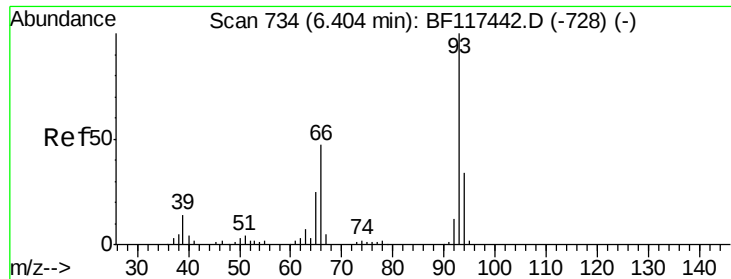
2-Fluorophenol
Concen: 86.372 ng
RT: 5.36 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion:112 Resp: 274605
Ion Ratio Lower Upper
112 100
64 57.4 44.1 66.1
63 28.5 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 0.068 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.11 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

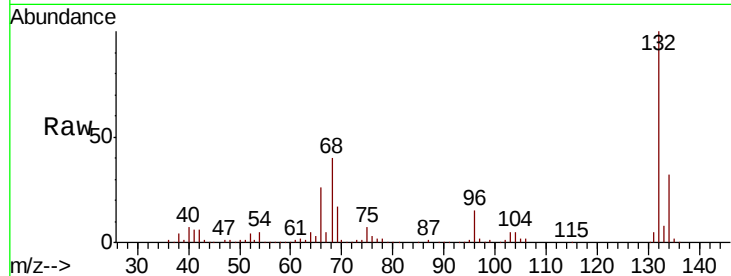
Tot Ion: 93 Resp: 339

Ion Ratio Lower Upper

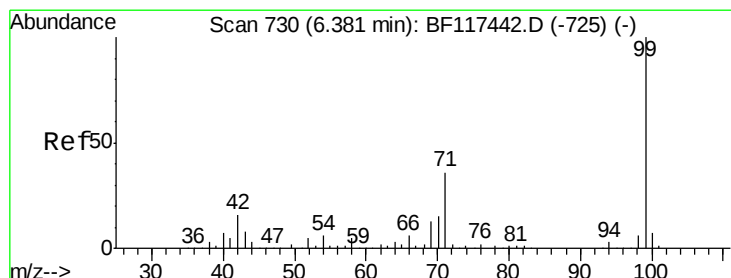
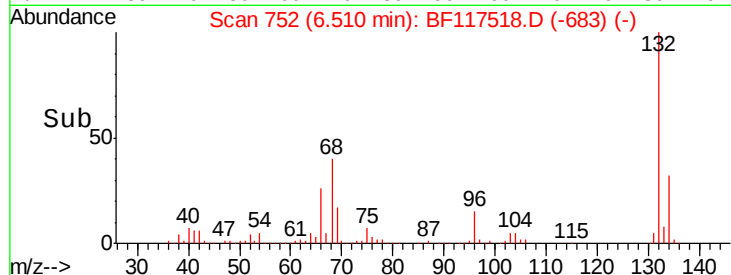
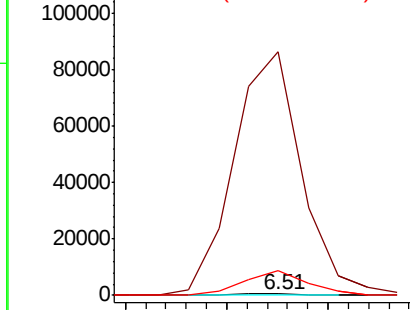
93 100

66 15005.2 38.7 58.1#

65 1509.0 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: 87.296 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

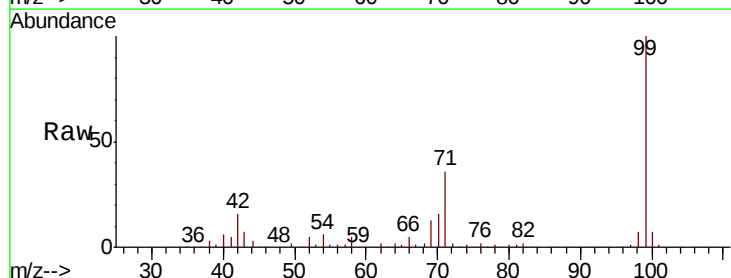
Tgt Ion: 99 Resp: 372773

Ion Ratio Lower Upper

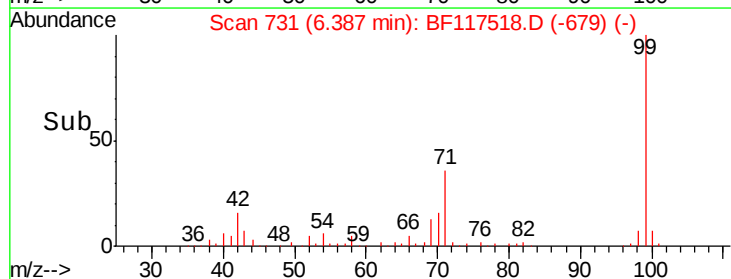
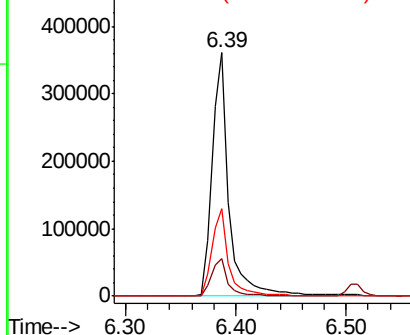
99 100

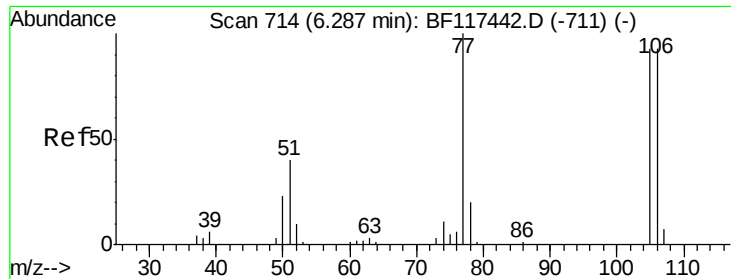
42 15.6 12.8 19.2

71 35.8 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: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

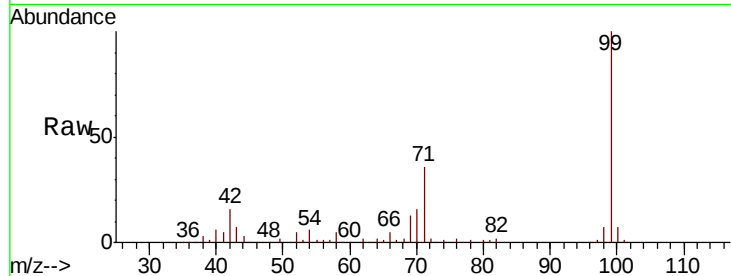
Tot Ion: 77 Resp: 477

Ion Ratio Lower Upper

77 100

105 0.0 73.4 113.4#

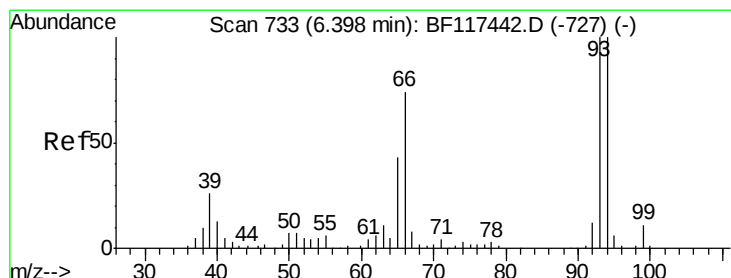
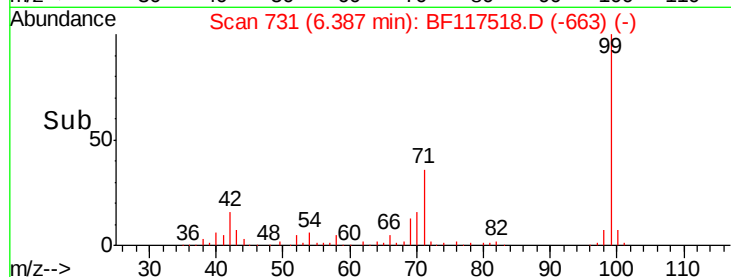
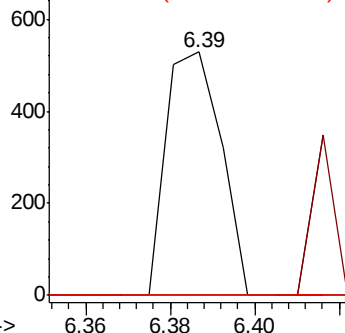
106 0.0 73.0 113.0#



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: 0.692 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

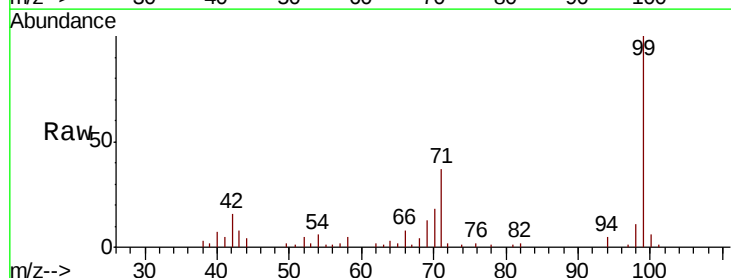
Tgt Ion: 94 Resp: 3017

Ion Ratio Lower Upper

94 100

65 50.9 23.4 63.4

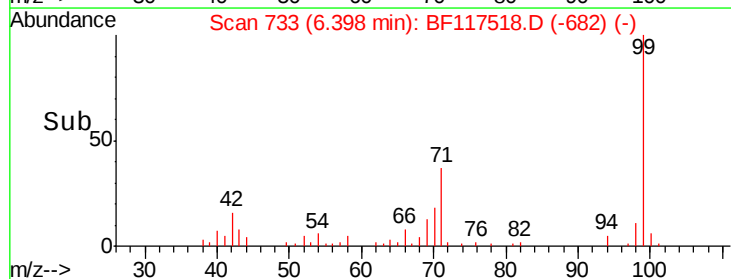
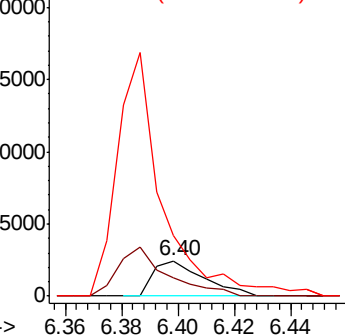
66 171.1 54.7 94.7#

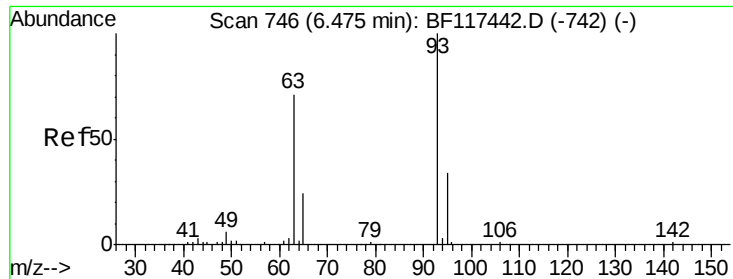


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 0.105 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.04 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

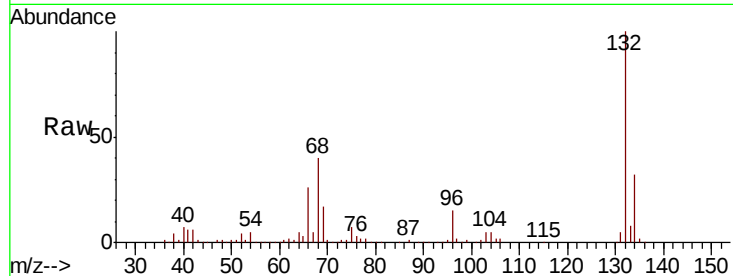
Tot Ion: 93 Resp: 339

Ion Ratio Lower Upper

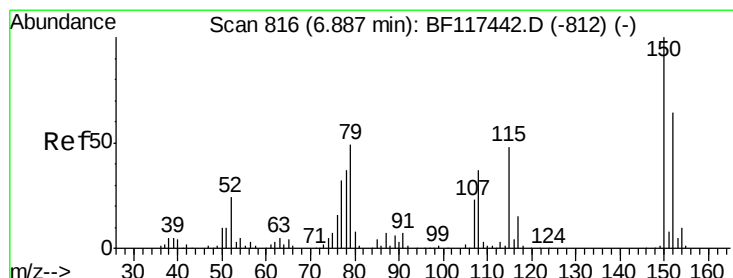
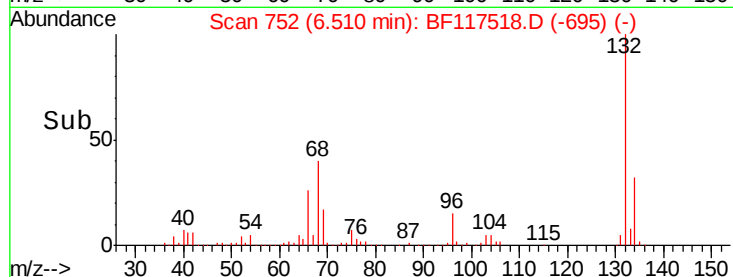
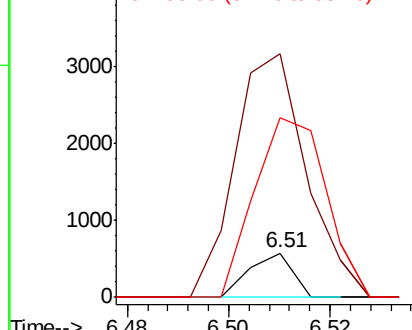
93 100

63 551.7 50.2 90.2#

95 407.8 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: 1.125 ng

RT: 6.89 min Scan# 816

Delta R.T. 0.00 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

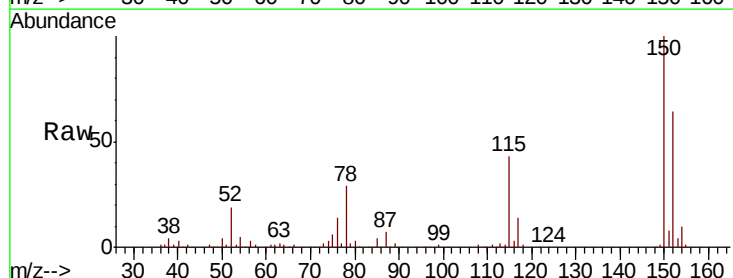
Tgt Ion: 79 Resp: 3432

Ion Ratio Lower Upper

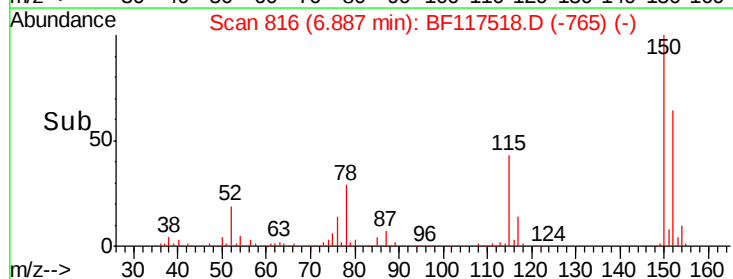
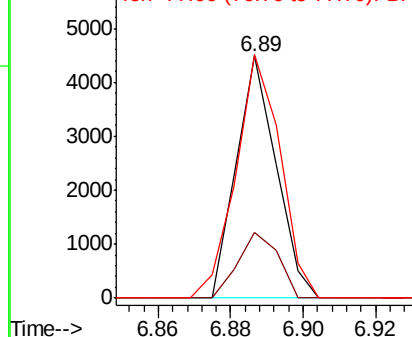
79 100

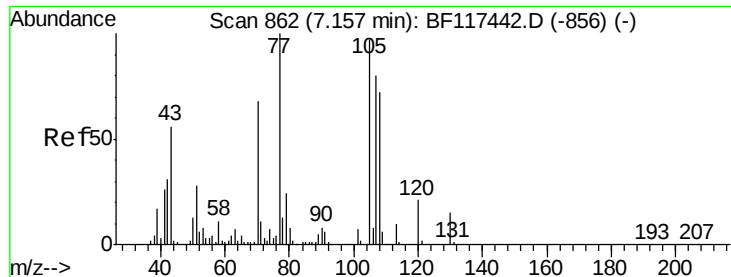
108 27.3 59.8 89.8#

77 100.6 51.4 77.0#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1

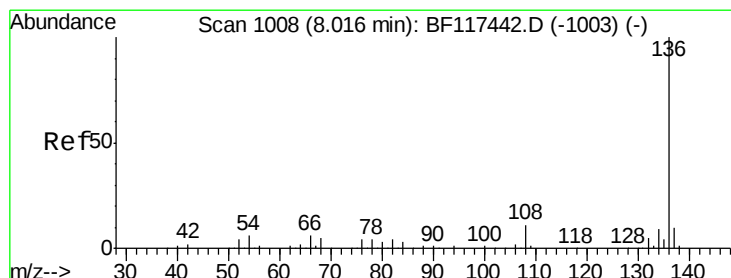
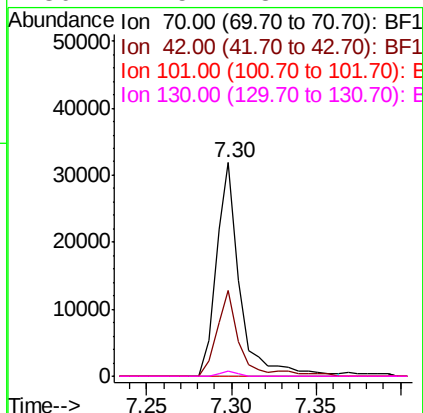
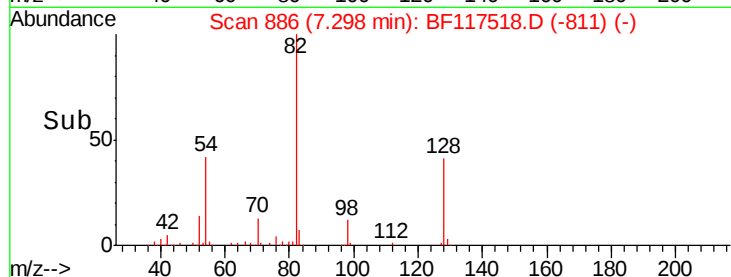
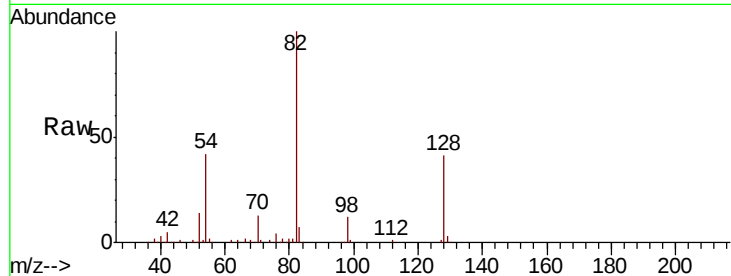




#19
n-Nitroso-di-n-propylamine
Concen: 11.873 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

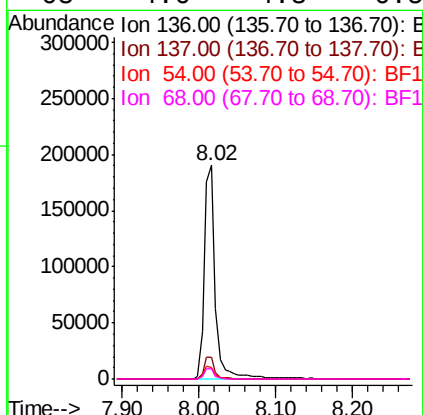
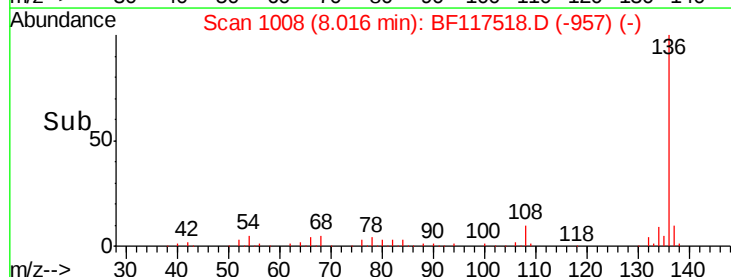
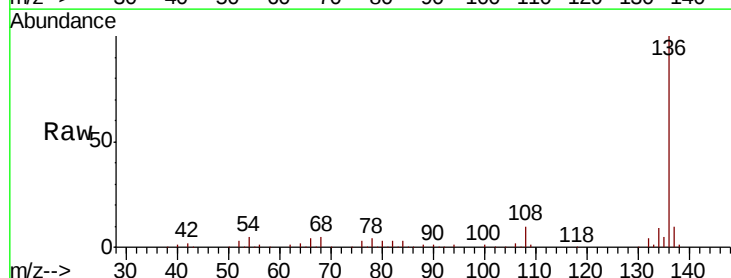
Instrument :
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704-04-(0-1)

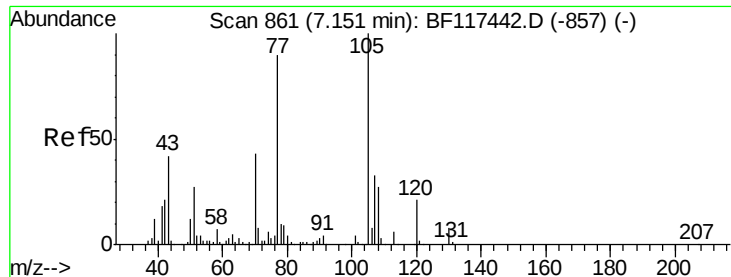
Tot Ion: 70 Resp: 30963
Ion Ratio Lower Upper
70 100
42 40.4 36.7 55.1
101 0.0 8.3 12.5#
130 2.5 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion: 136 Resp: 191567
Ion Ratio Lower Upper
136 100
137 10.3 8.2 12.4
54 5.3 4.5 6.7
68 4.6 4.3 6.5

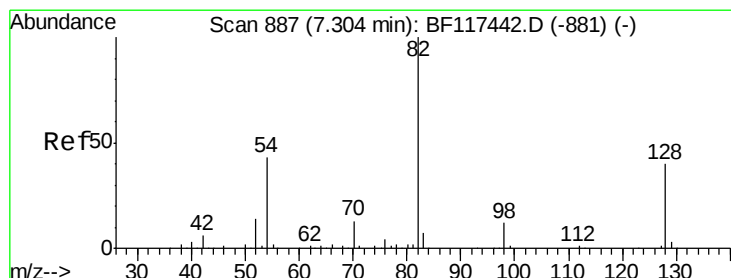
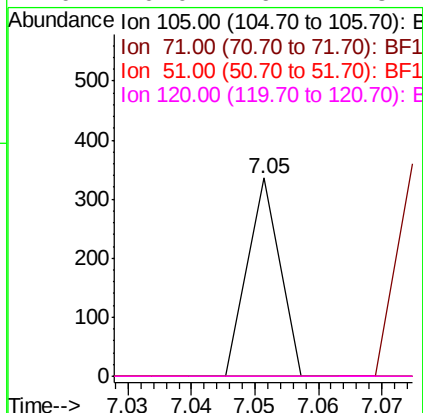
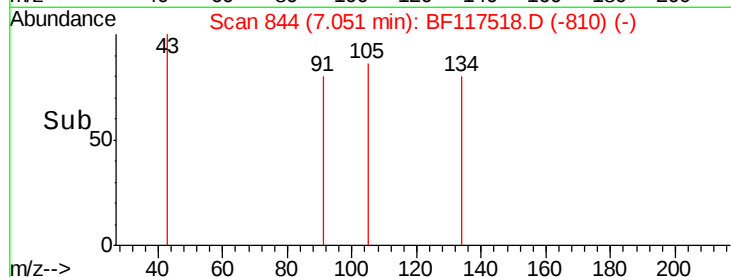
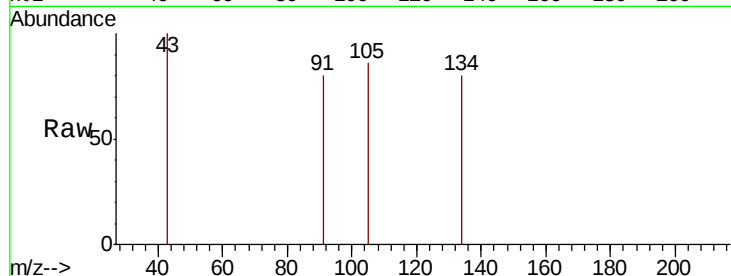




#22
Acetophenone
Concen: 0.023 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.10 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

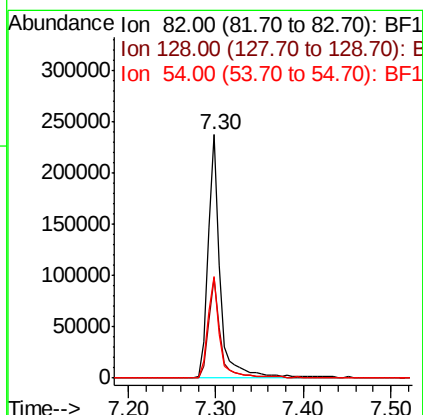
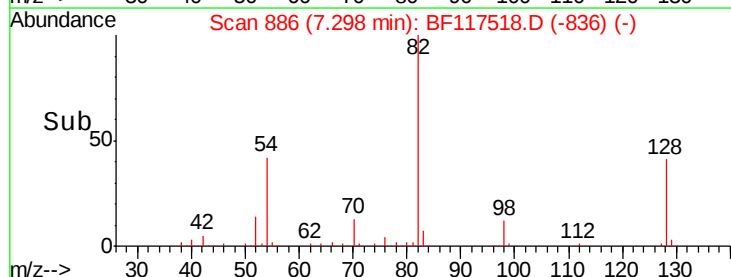
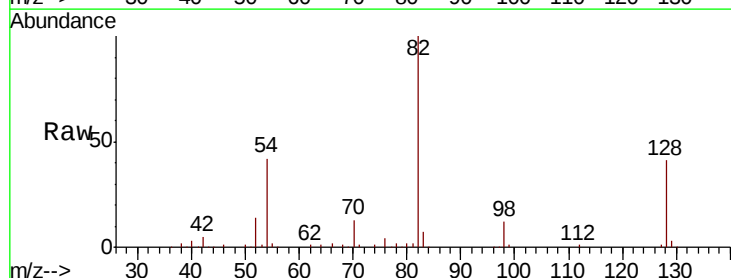
Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

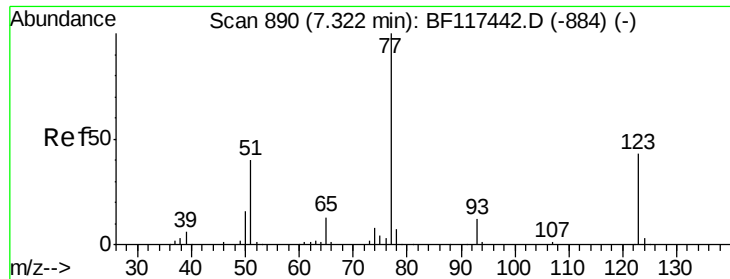
Tot Ion:105 Resp: 119
Ion Ratio Lower Upper
105 100
71 0.0 6.2 9.2#
51 0.0 21.8 32.6#
120 0.0 16.7 25.1#



#23
Nitrobenzene-d5
Concen: 59.275 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion: 82 Resp: 230012
Ion Ratio Lower Upper
82 100
128 41.0 32.2 48.2
54 41.7 34.2 51.2

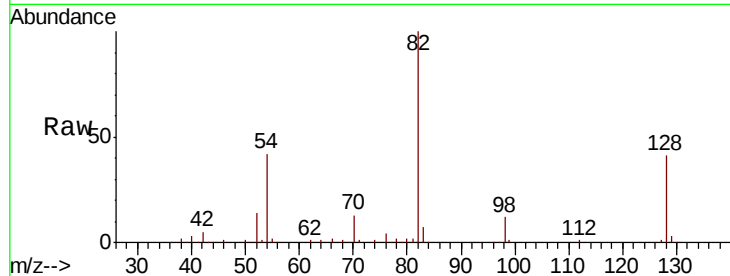




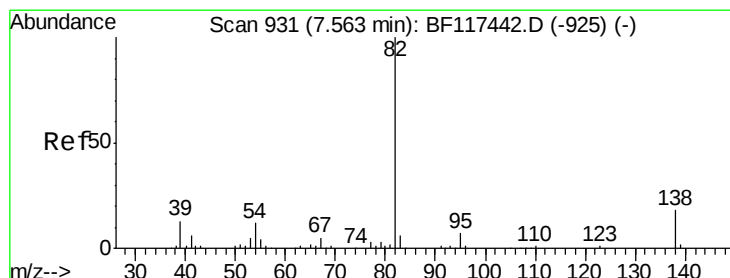
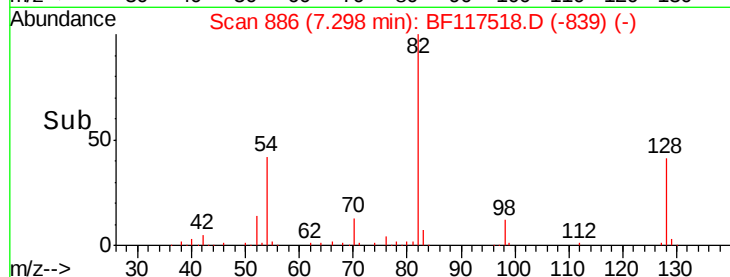
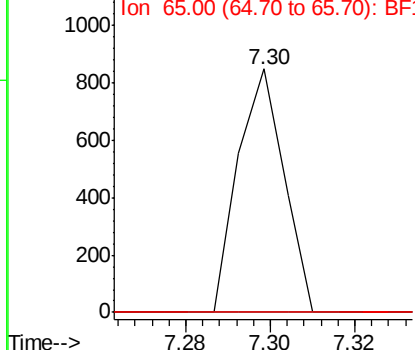
#24
Nitrobenzene
Concen: 0.172 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion: 77 Resp: 640
Ion Ratio Lower Upper
77 100
123 0.0 34.2 51.2#
65 0.0 10.3 15.5#

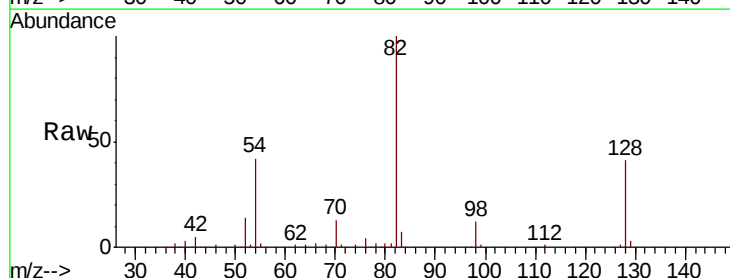


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

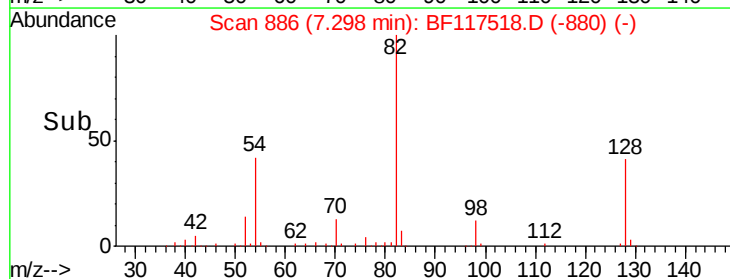
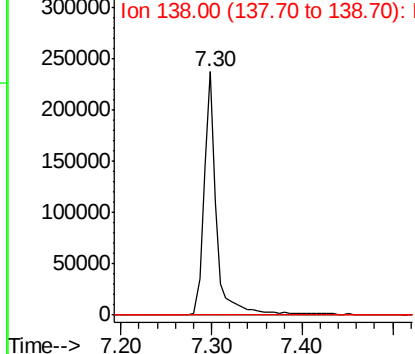


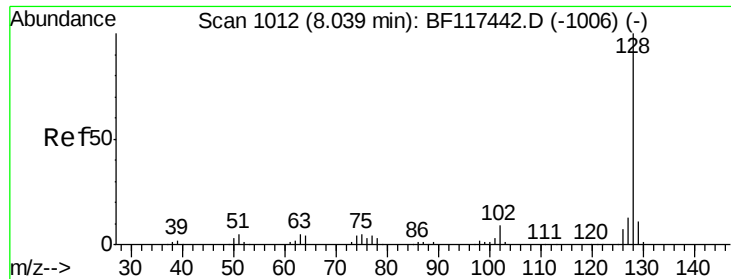
#25
Isophorone
Concen: 34.264 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion: 82 Resp: 230009
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.2 21.2#



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

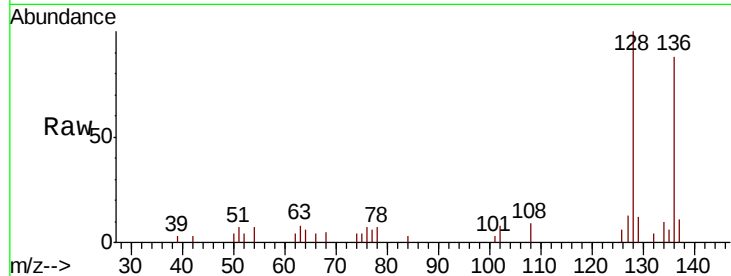




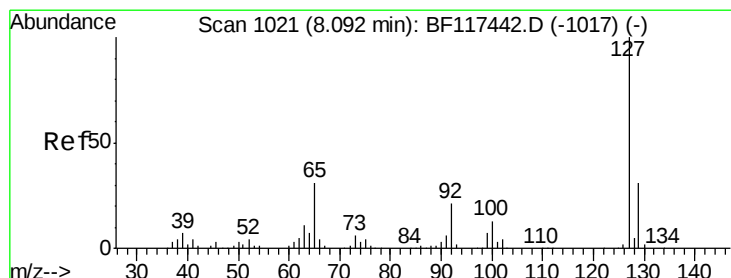
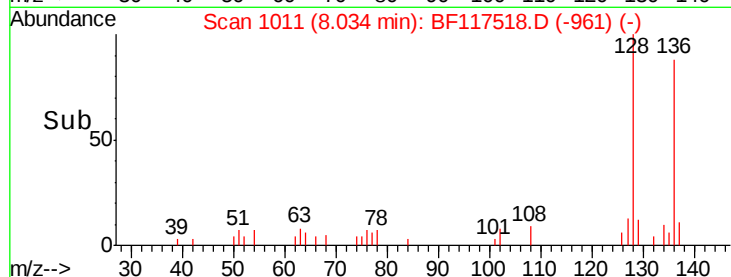
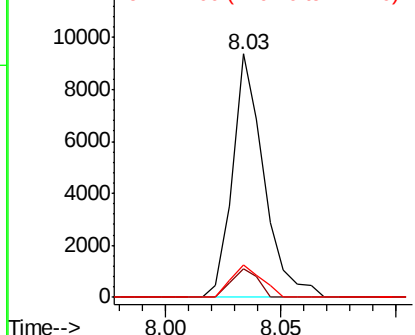
#31
Naphthalene
Concen: 0.934 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion:128 Resp: 8870
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.4
127 13.2 10.2 15.2

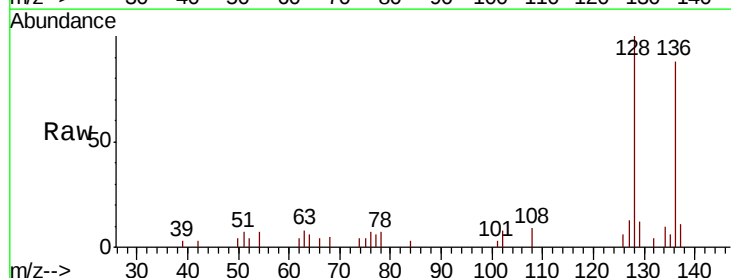


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

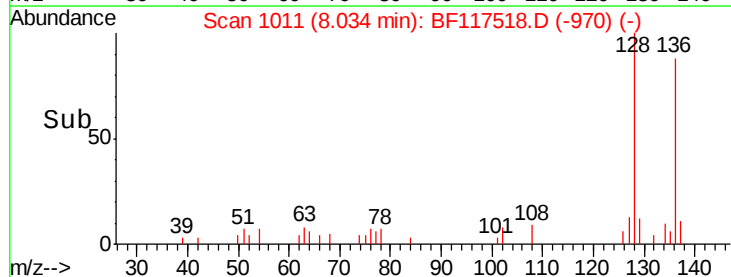
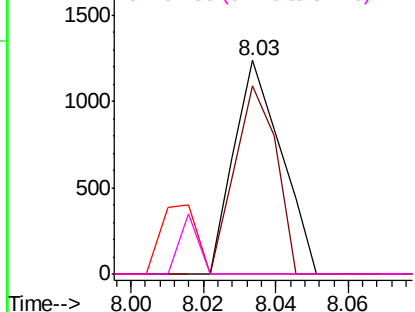


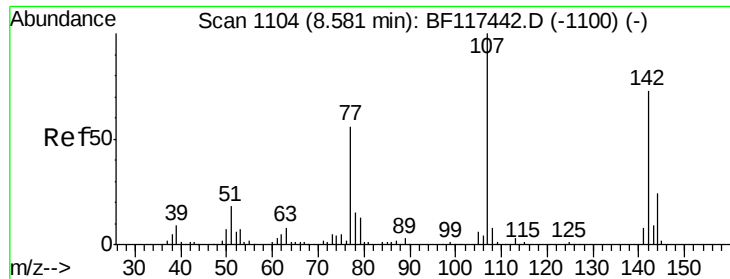
#33
4-Chloroaniline
Concen: 0.280 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.06 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion:127 Resp: 1124
Ion Ratio Lower Upper
127 100
129 88.2 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

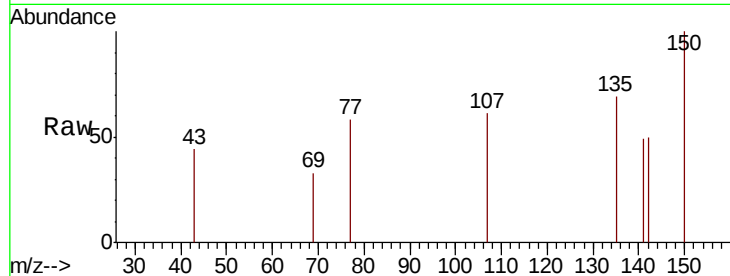




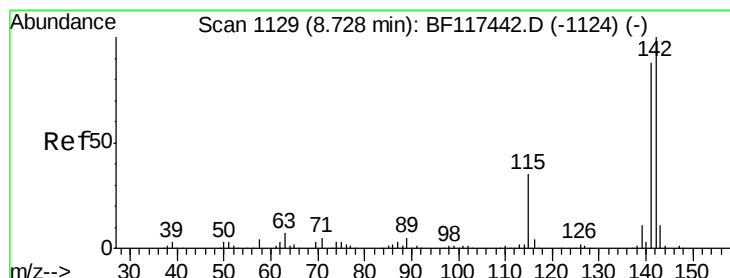
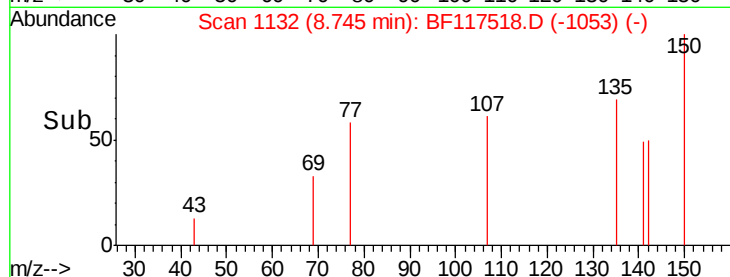
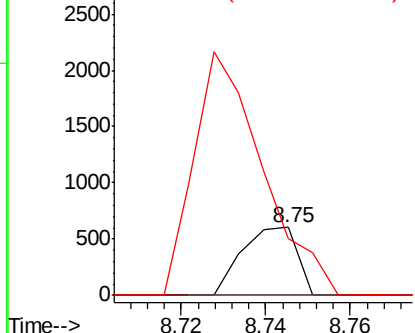
#36
 4-Chloro-3-methylphenol
 Concen: 0.186 ng
 RT: 8.75 min Scan# 1132
 Delta R.T. 0.16 min
 Lab File: BF117518.D
 Acq: 24 Oct 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :
 704-04-(0-1)

Tot Ion:107 Resp: 551
 Ion Ratio Lower Upper
 107 100
 144 0.0 18.9 28.3#
 142 82.9 58.6 88.0

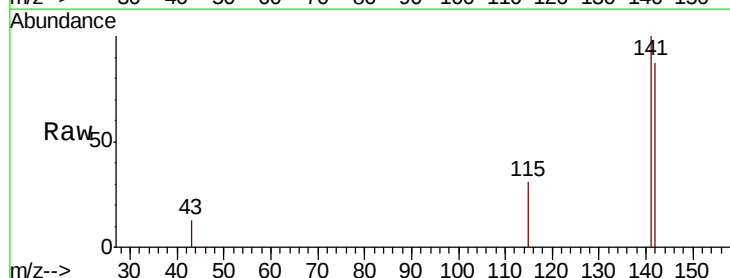


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

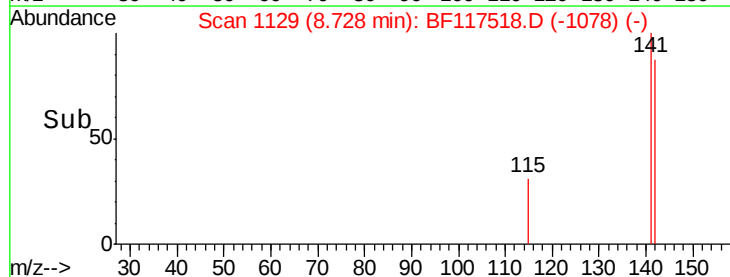
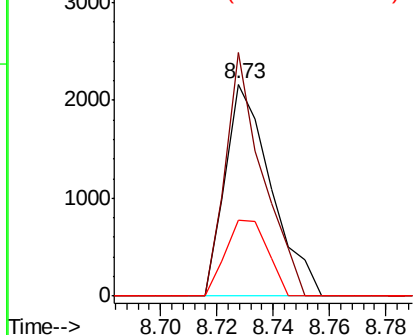


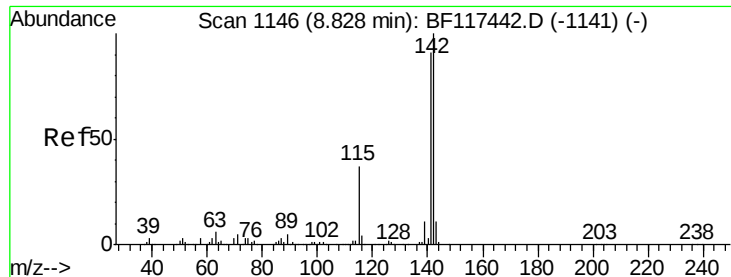
#37
 2-Methylnaphthalene
 Concen: 0.382 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: BF117518.D
 Acq: 24 Oct 2019 18:53

Tgt Ion:142 Resp: 2441
 Ion Ratio Lower Upper
 142 100
 141 115.0 70.3 105.5#
 115 35.8 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

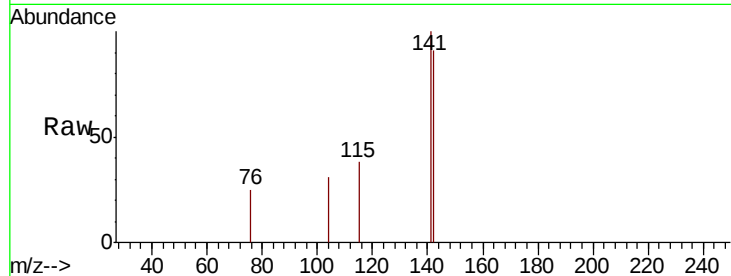




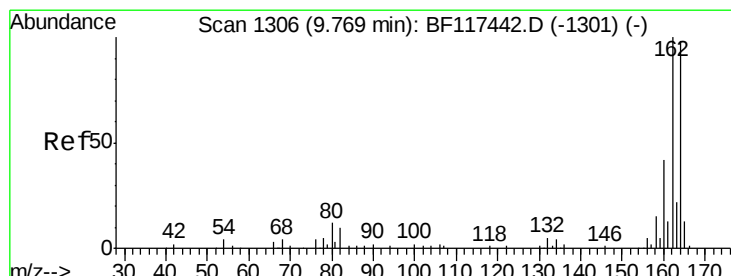
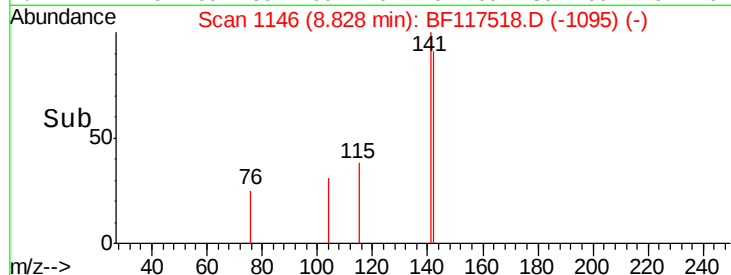
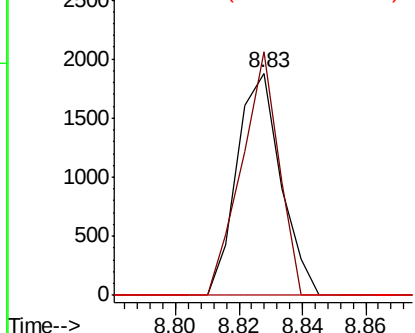
#38
1-Methylnaphthalene
Concen: 0.301 ng
RT: 8.83 min Scan# 1146
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion:142 Resp: 1808
Ion Ratio Lower Upper
142 100
141 109.7 73.3 109.9
116 0.0 3.1 4.7#

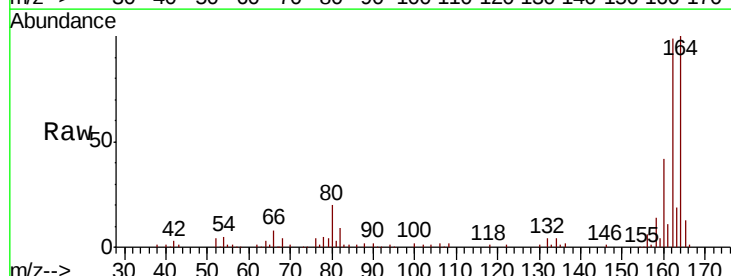


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

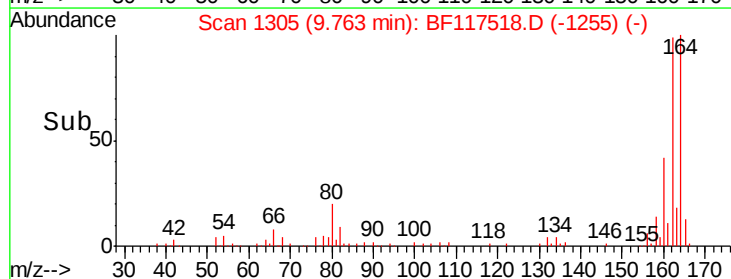
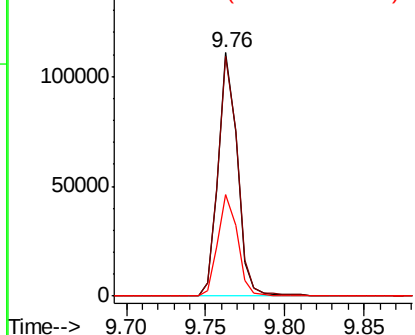


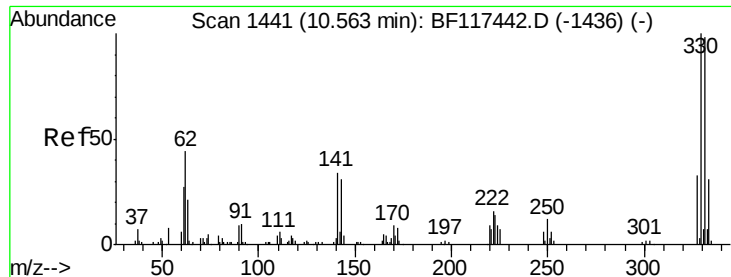
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion:164 Resp: 92782
Ion Ratio Lower Upper
164 100
162 98.6 81.8 122.6
160 41.5 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

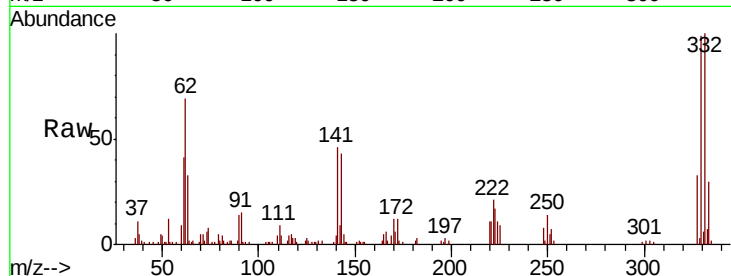




#42
 2,4,6-Tribromophenol
 Concen: 73.765 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117518.D
 Acq: 24 Oct 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :
 704-04-(0-1)

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	78.5	117.7
141	43.9	37.0	55.6

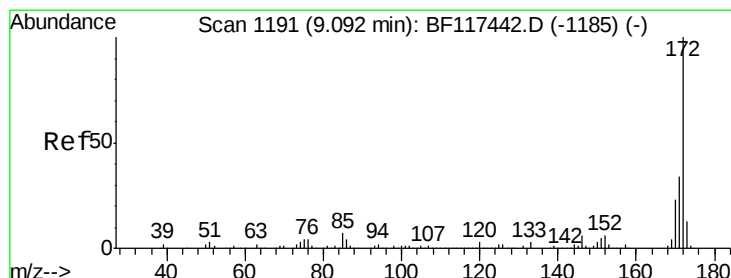
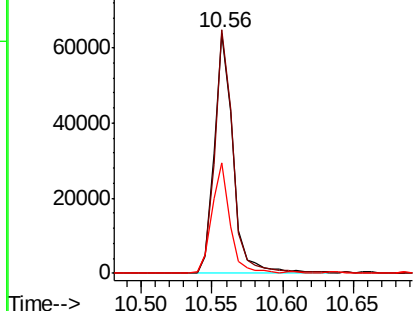
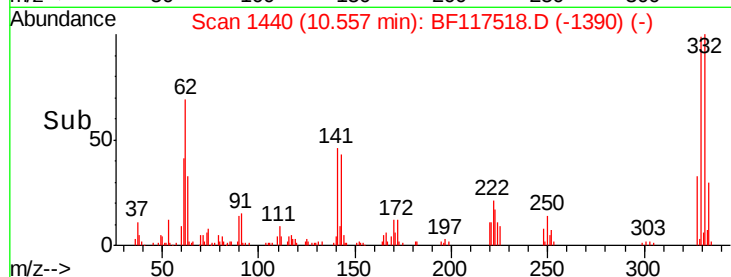


Abundance

Ion 329.80 (329.50 to 330.50): E

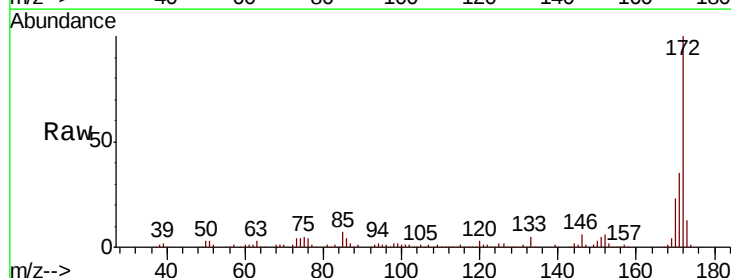
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 56.782 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117518.D
 Acq: 24 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.5	41.3
170	23.3	18.6	27.8

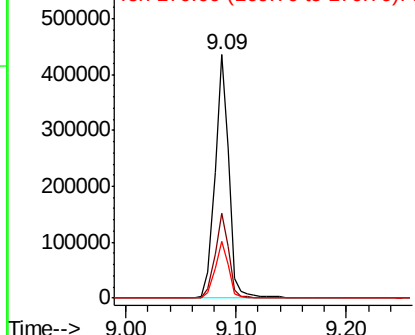
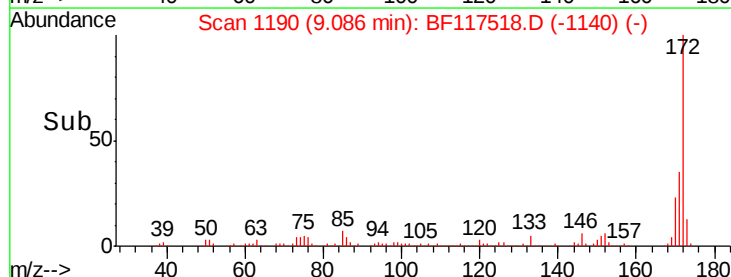


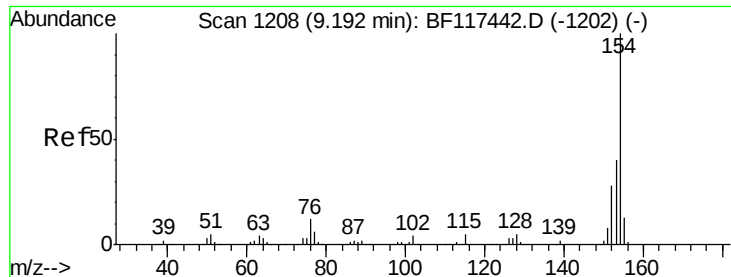
Abundance

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: 0.174 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

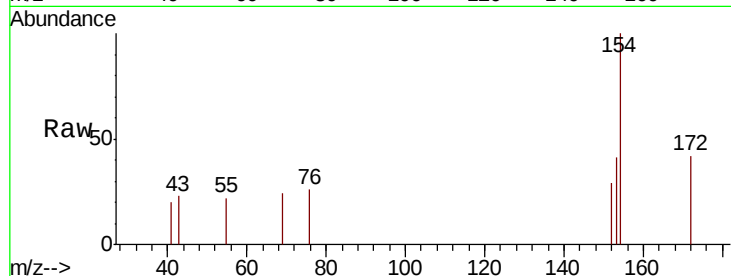
Tot Ion:154 Resp: 1338

Ion Ratio Lower Upper

154 100

153 41.0 20.2 60.2

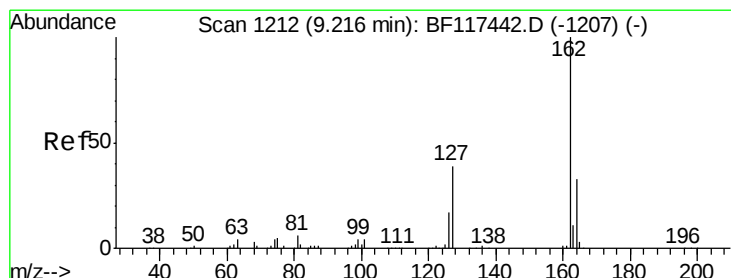
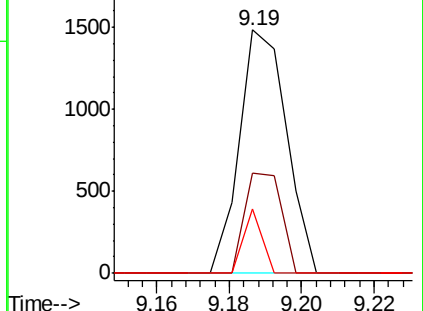
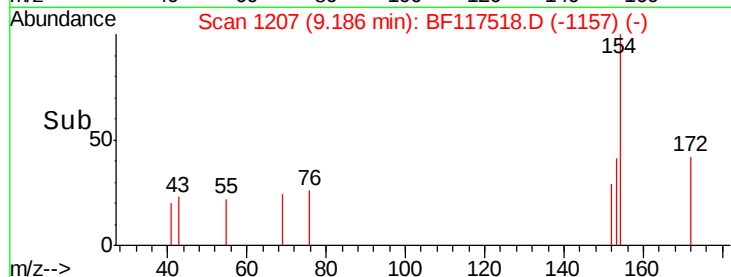
76 26.3 0.0 32.1



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



#47

2-Chloronaphthalene

Concen: 0.022 ng

RT: 9.47 min Scan# 1256

Delta R.T. 0.26 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

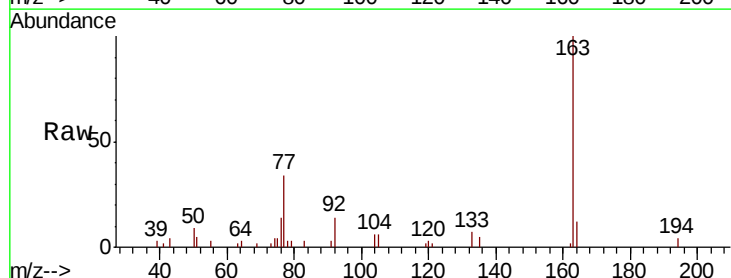
Tgt Ion:162 Resp: 130

Ion Ratio Lower Upper

162 100

127 0.0 34.2 51.4#

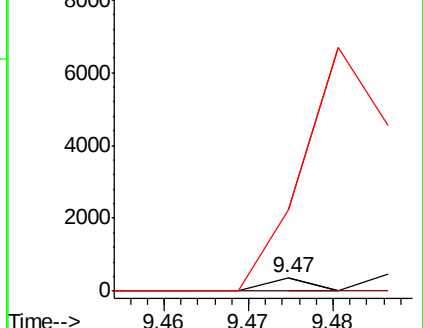
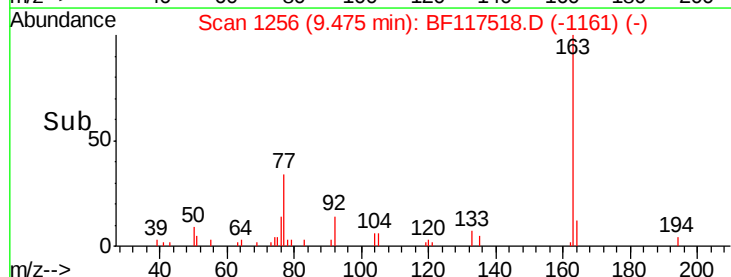
164 605.4 26.4 39.6#

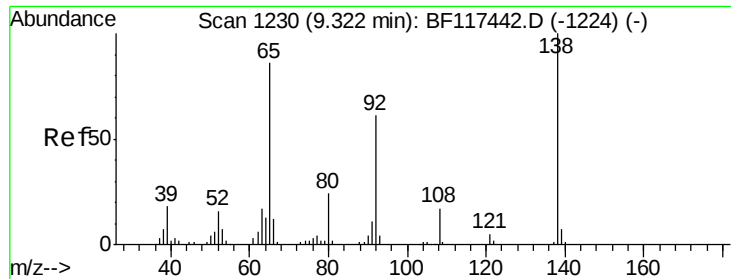


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

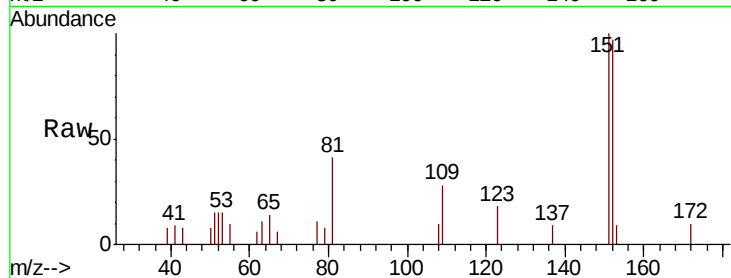




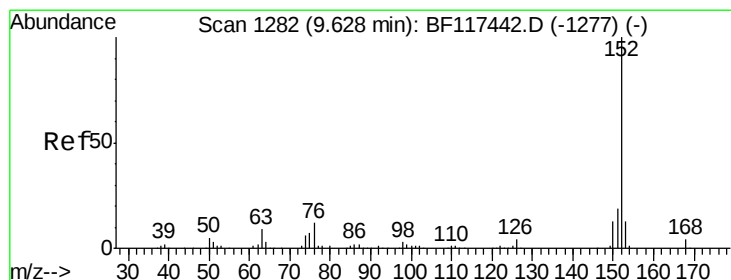
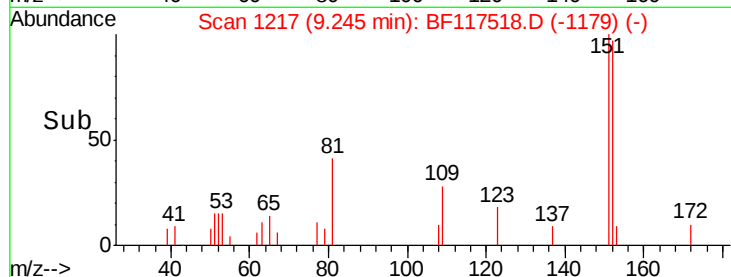
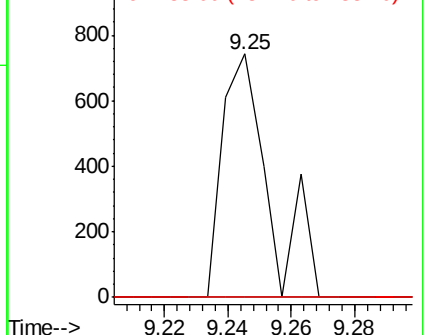
#48
2-Nitroaniline
Concen: 0.396 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.08 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion: 65 Resp: 752
Ion Ratio Lower Upper
65 100
92 0.0 57.3 85.9#
138 0.0 93.3 139.9#

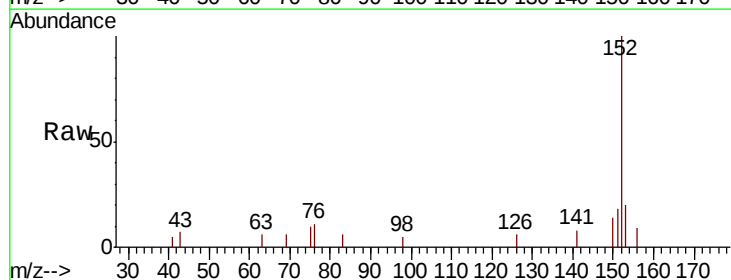


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

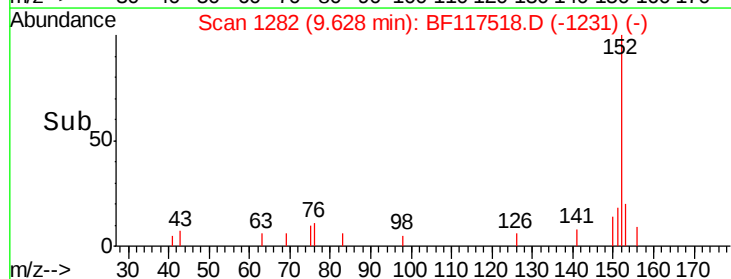
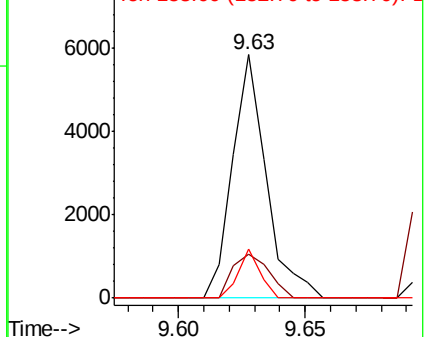


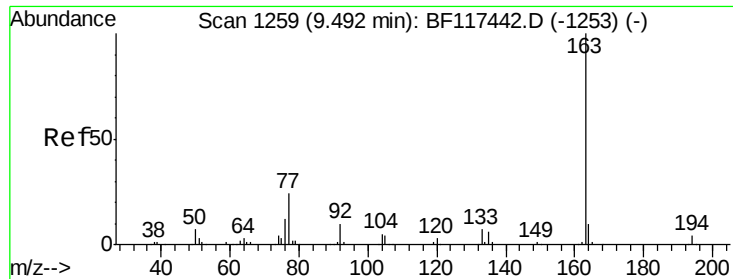
#49
Acenaphthylene
Concen: 0.639 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion: 152 Resp: 5437
Ion Ratio Lower Upper
152 100
151 17.9 15.4 23.0
153 19.9 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

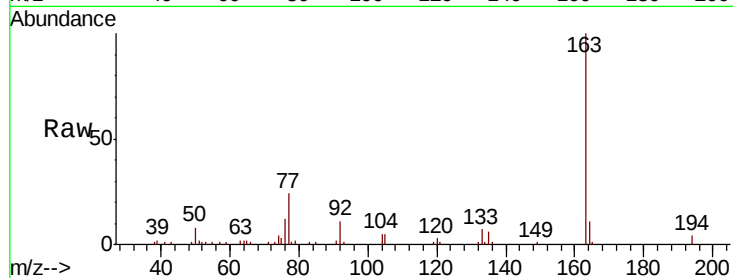




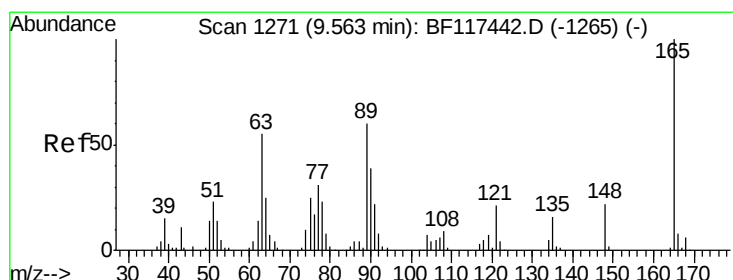
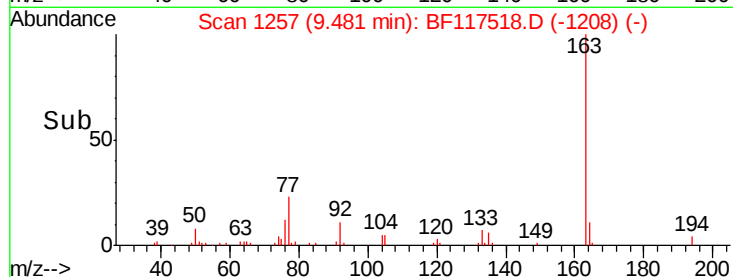
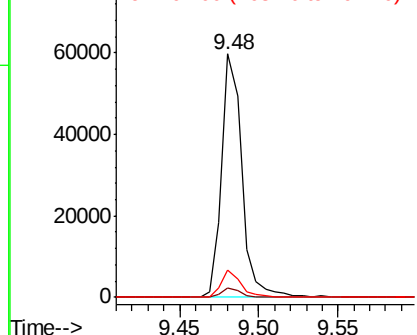
#50
Dimethylphthalate
Concen: 7.996 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion:163 Resp: 52886
Ion Ratio Lower Upper
163 100
194 4.1 2.9 4.3
164 11.2 8.2 12.2

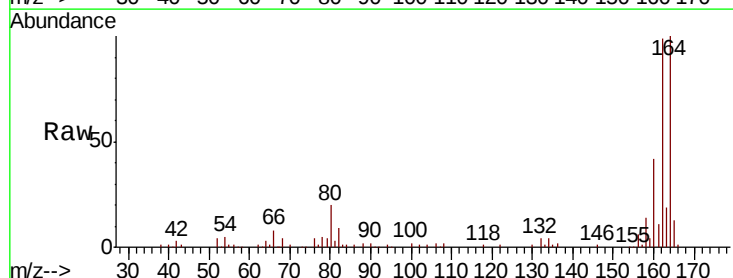


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

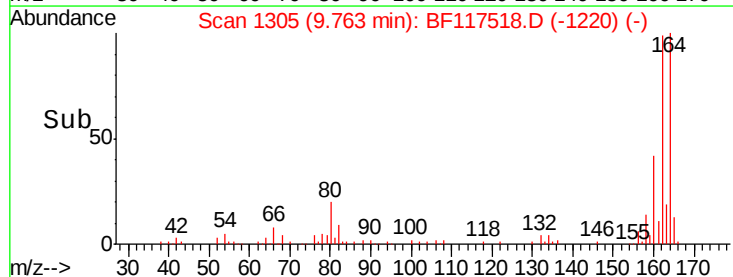
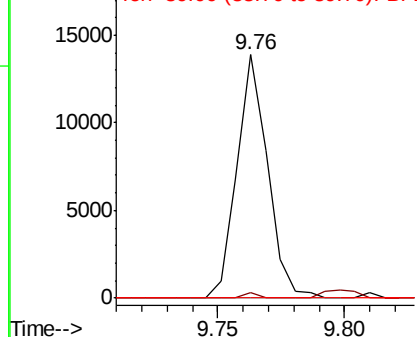


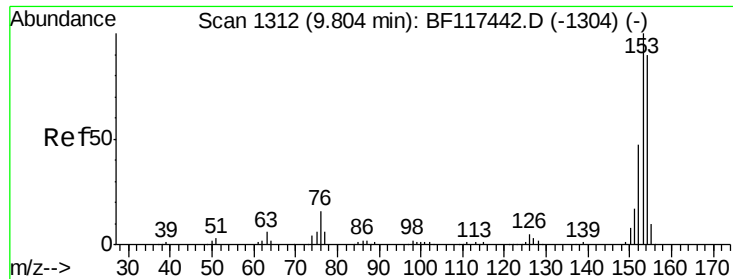
#51
2,6-Dinitrotoluene
Concen: 8.424 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion:165 Resp: 11627
Ion Ratio Lower Upper
165 100
63 2.3 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: 0.909 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

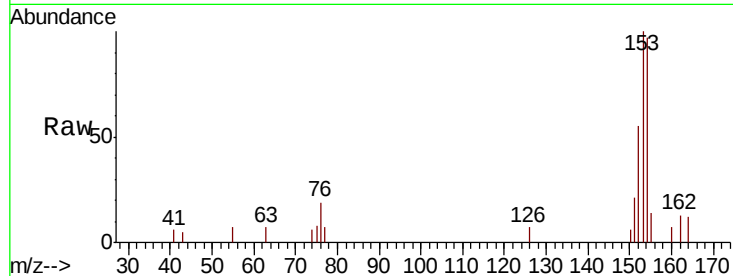
Tot Ion:154 Resp: 4743

Ion Ratio Lower Upper

154 100

153 103.5 89.2 133.8

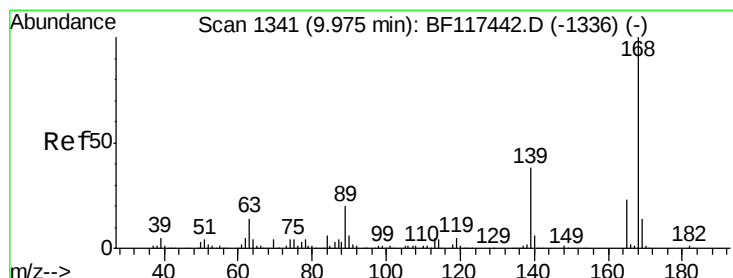
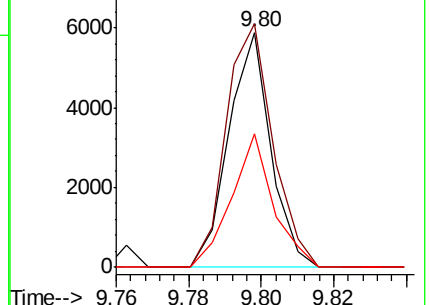
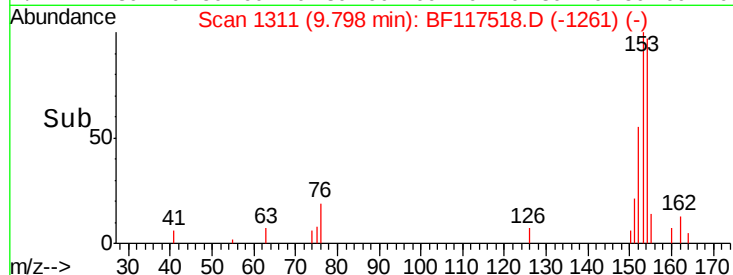
152 56.8 41.8 62.6



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: 0.555 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

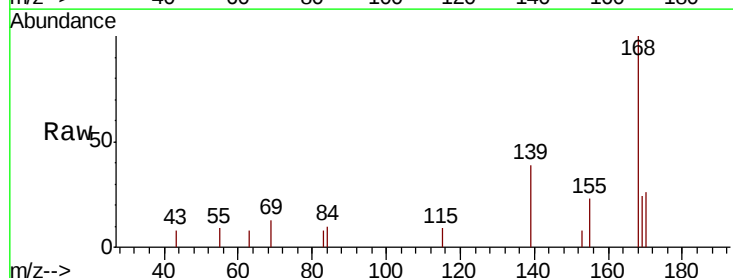
Tgt Ion:168 Resp: 4196

Ion Ratio Lower Upper

168 100

139 38.8 31.8 47.6

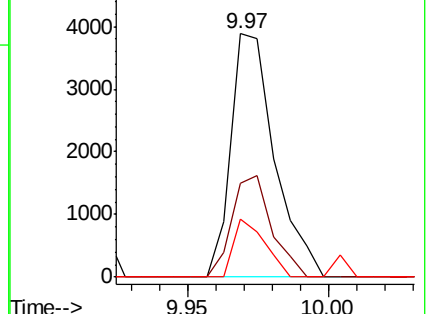
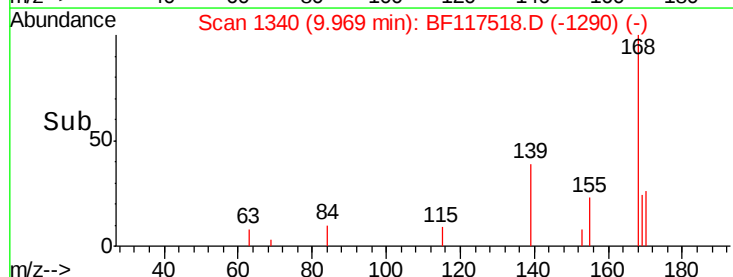
169 24.1 11.2 16.8#

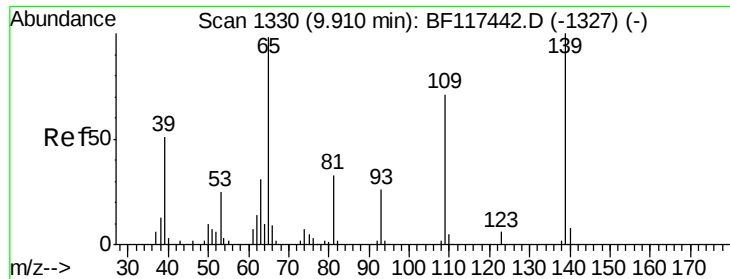


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

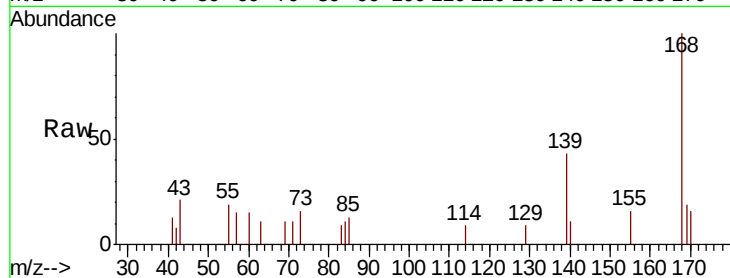




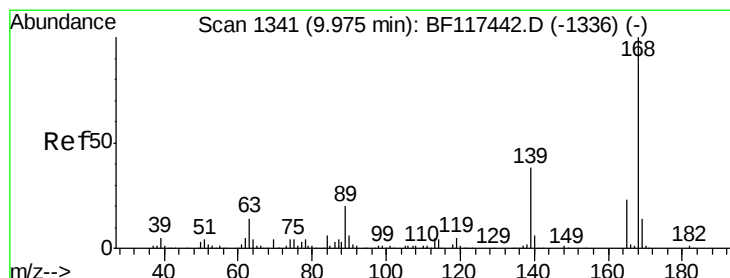
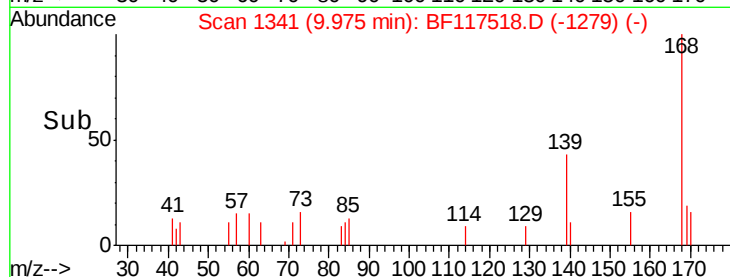
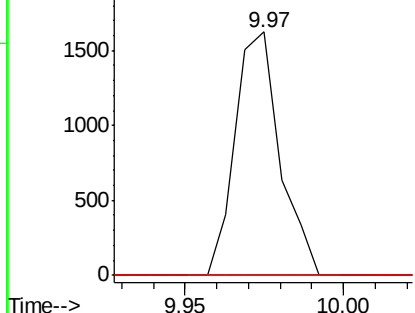
#56
4-Nitrophenol
Concen: 6.089 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion:139 Resp: 1592
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#

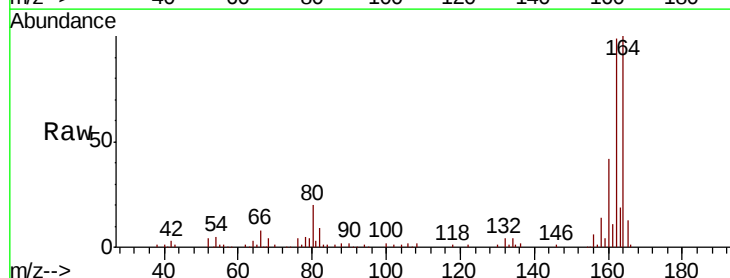


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

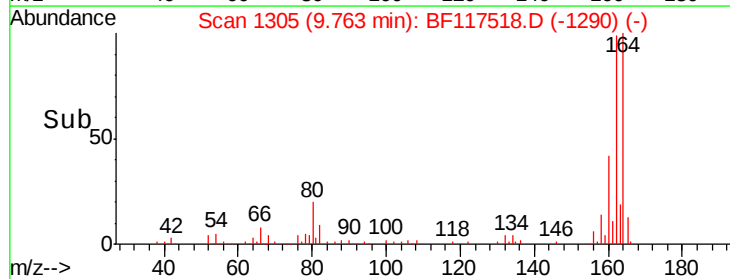
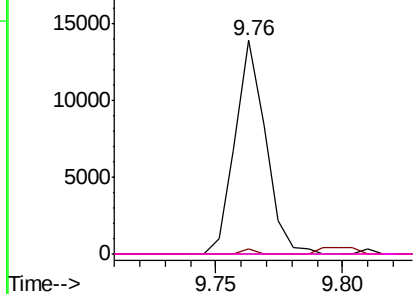


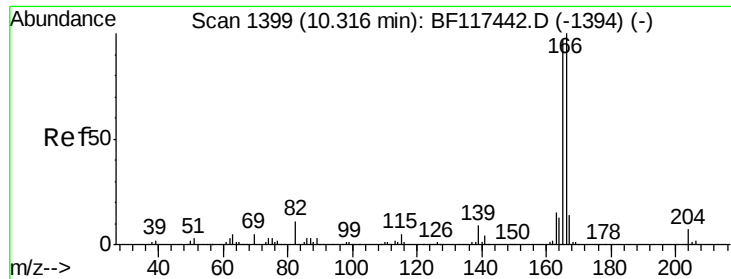
#57
2,4-Dinitrotoluene
Concen: 6.336 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion:165 Resp: 11627
Ion Ratio Lower Upper
165 100
63 2.3 51.4 77.0#
89 0.0 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): BF1





#58

Fluorene

Concen: 0.923 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

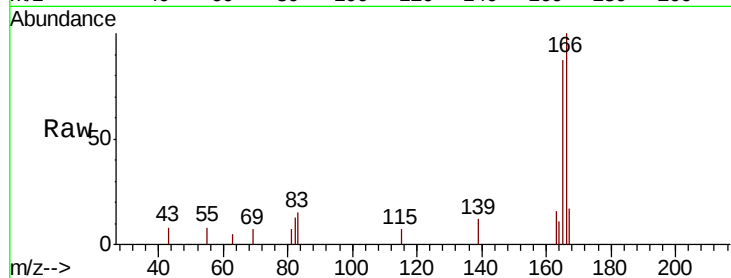
Tot Ion:166 Resp: 5769

Ion Ratio Lower Upper

166 100

165 87.5 77.6 116.4

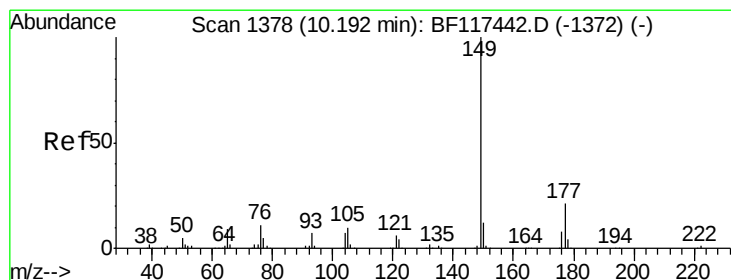
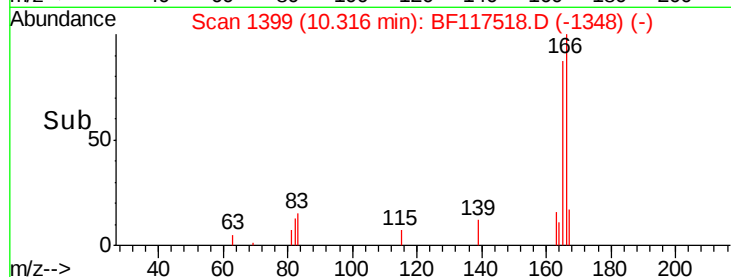
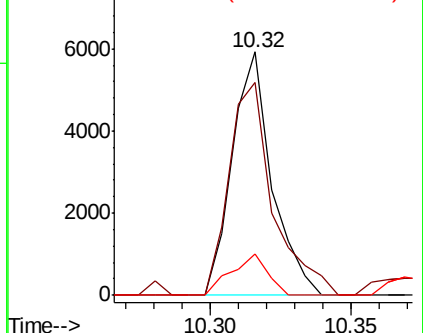
167 17.2 11.0 16.4#



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



#60

Diethylphthalate

Concen: 0.017 ng

RT: 10.18 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

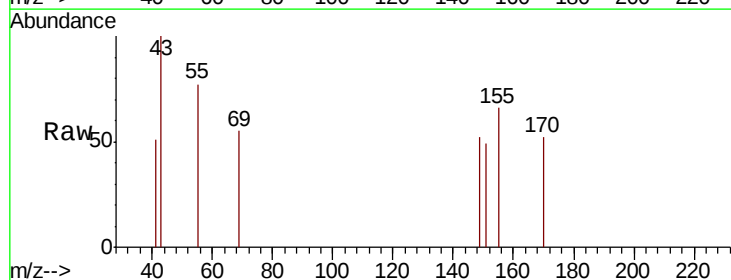
Tgt Ion:149 Resp: 114

Ion Ratio Lower Upper

149 100

177 0.0 17.0 25.4#

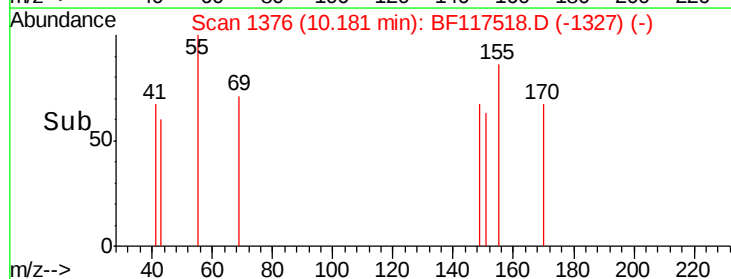
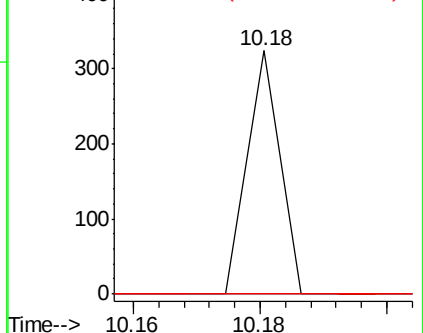
150 0.0 9.8 14.6#

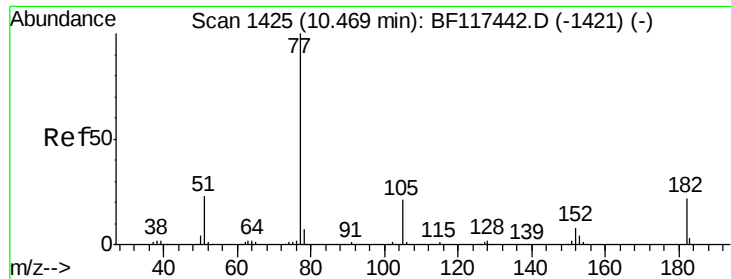


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

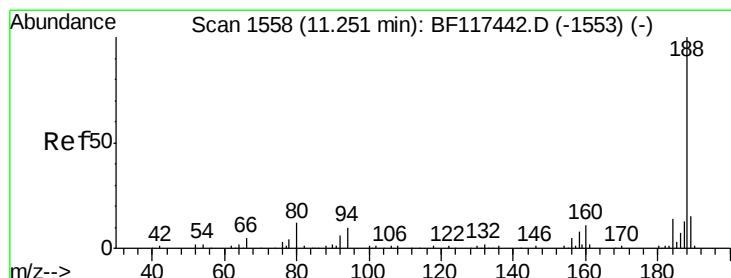
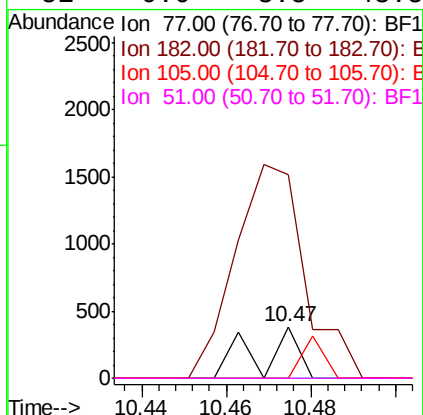
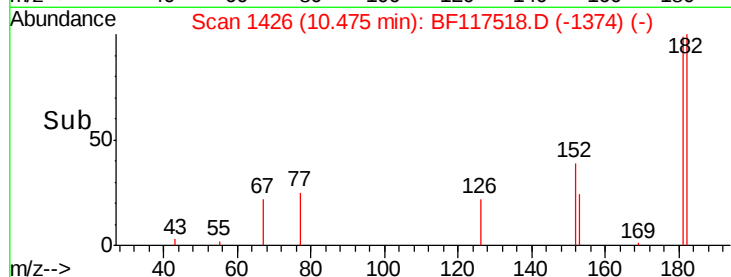
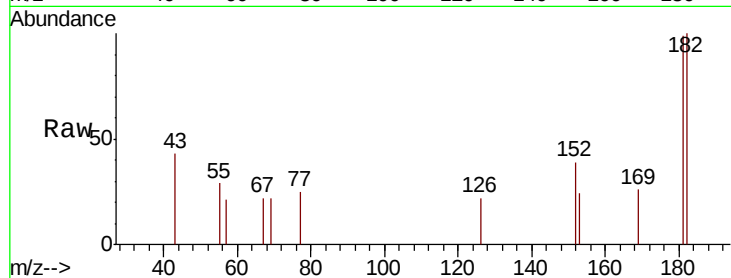




#63
Azobenzene
Concen: 0.038 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

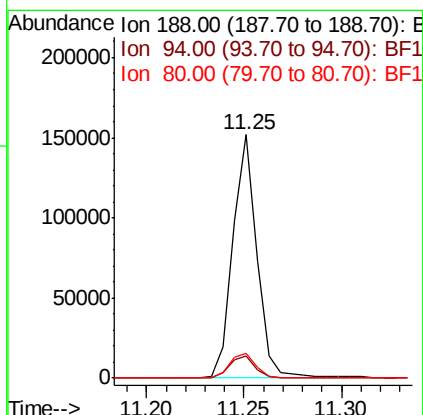
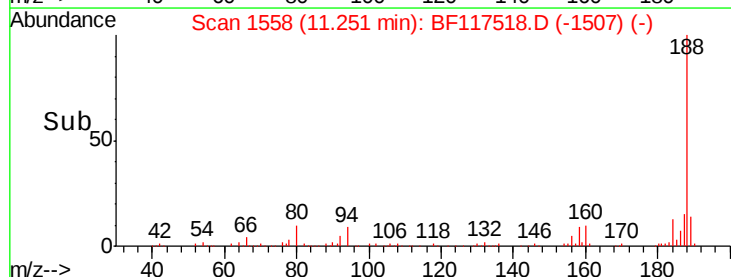
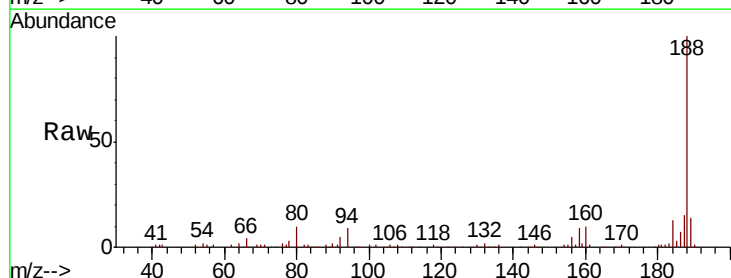
Instrument :
BNA_F
ClientSampled :
704-04-(0-1)

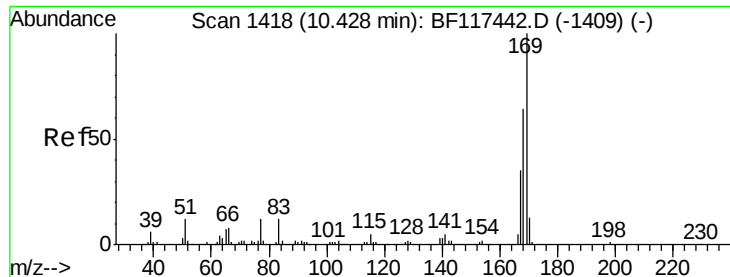
Tot Ion: 77 Resp: 257
Ion Ratio Lower Upper
77 100
182 396.1 2.3 42.3#
105 0.0 1.3 41.3#
51 0.0 3.5 43.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion: 188 Resp: 129926
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 10.4 9.5 14.3

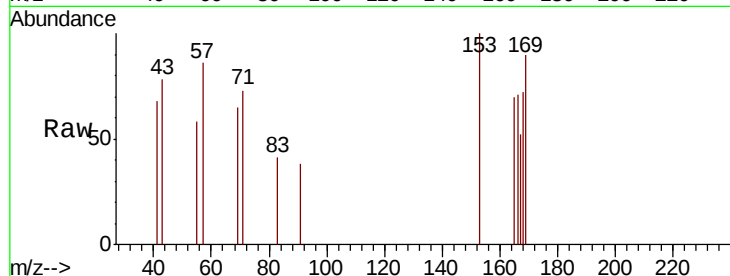




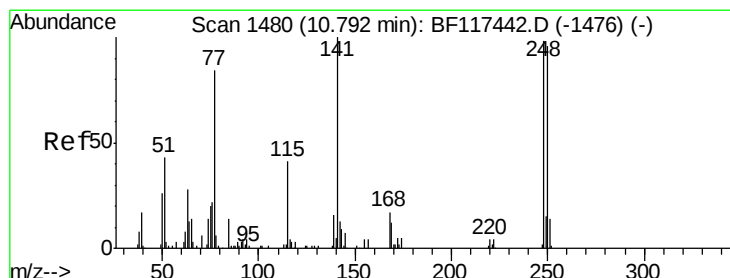
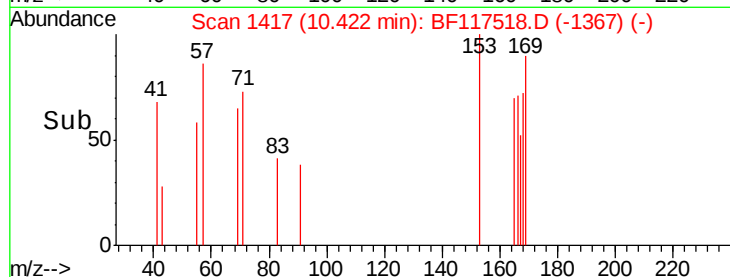
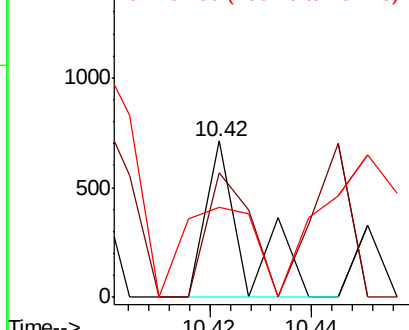
#66
 n-Nitrosodiphenylamine
 Concen: 0.080 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF117518.D
 Acq: 24 Oct 2019 18:53

Instrument :
 BNA_F
 ClientSampleId :
 704-04-(0-1)

Tot Ion:169 Resp: 379
 Ion Ratio Lower Upper
 169 100
 168 79.9 51.3 76.9#
 167 57.4 28.2 42.4#

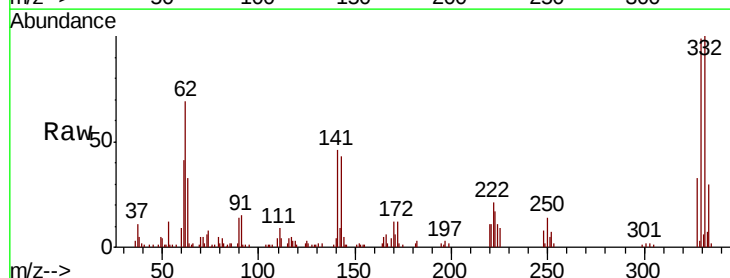


Abundance Ion 169.00 (168.70 to 169.70): E
 1500 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

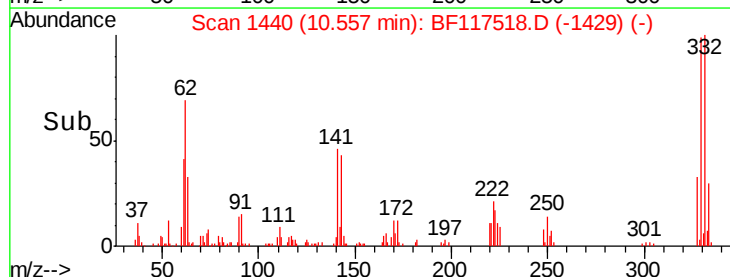
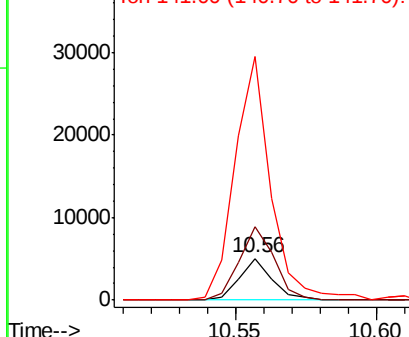


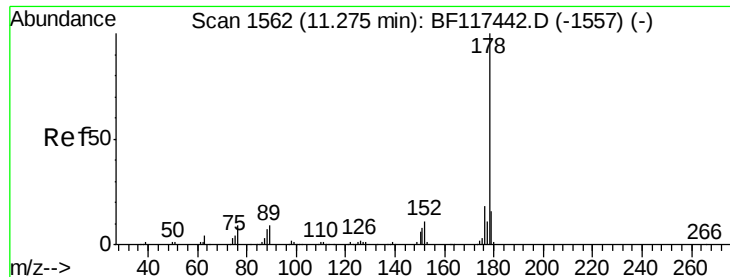
#67
 4-Bromophenyl-phenylether
 Concen: 2.903 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117518.D
 Acq: 24 Oct 2019 18:53

Tgt Ion:248 Resp: 4063
 Ion Ratio Lower Upper
 248 100
 250 175.7 78.0 117.0#
 141 585.6 81.7 122.5#



Abundance Ion 248.00 (247.70 to 248.70): E
 40000 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

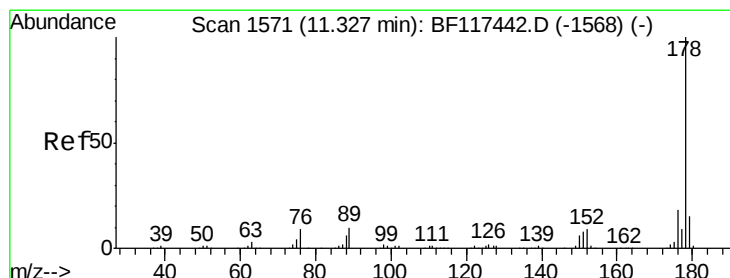
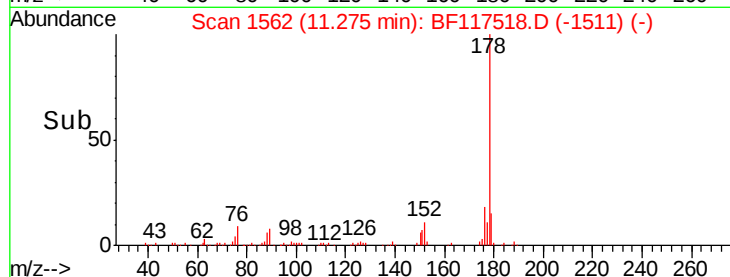
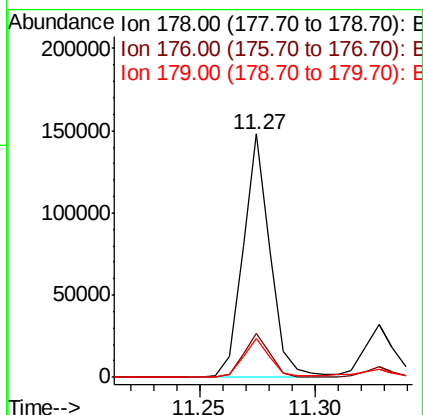
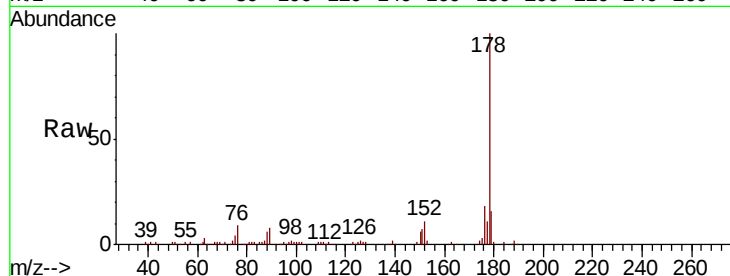




#71
Phenanthrene
Concen: 15.999 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

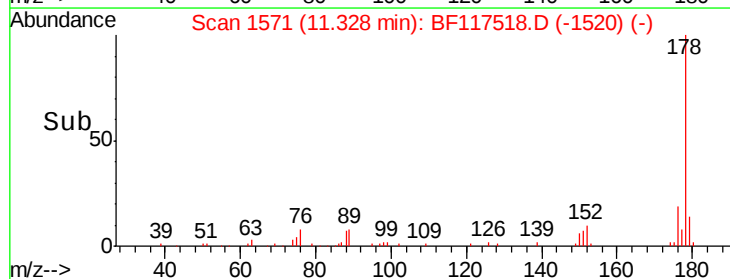
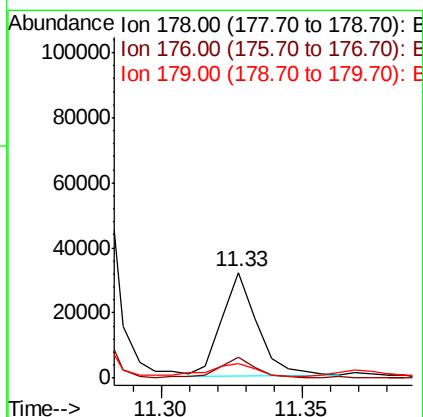
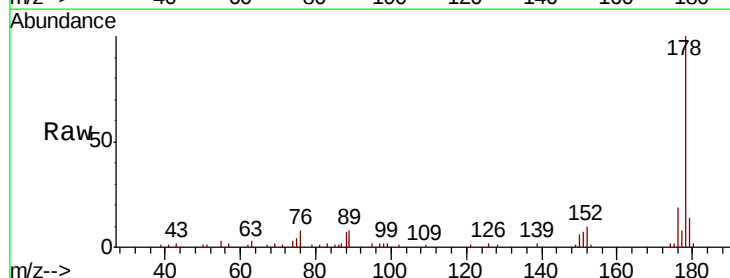
Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

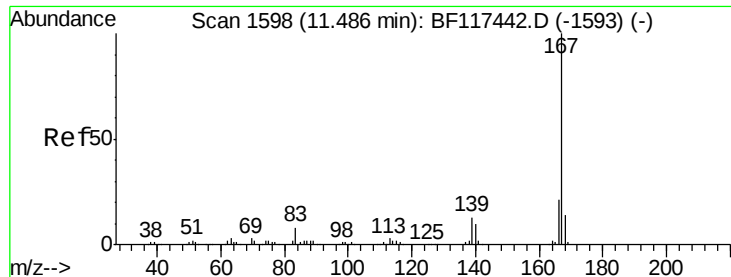
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	15.7	12.6	19.0



#72
Anthracene
Concen: 3.611 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.7	22.1
179	14.2	12.2	18.2





#73

Carbazole

Concen: 1.477 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

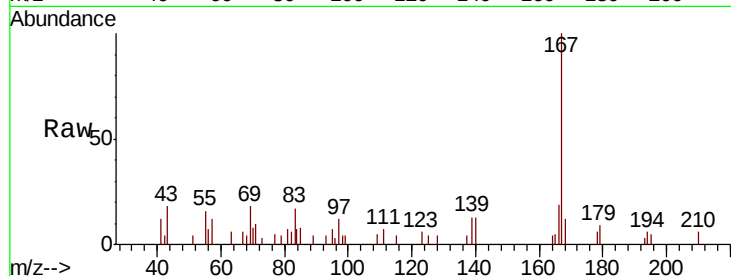
Tot Ion:167 Resp: 10446

Ion Ratio Lower Upper

167 100

166 19.2 17.0 25.6

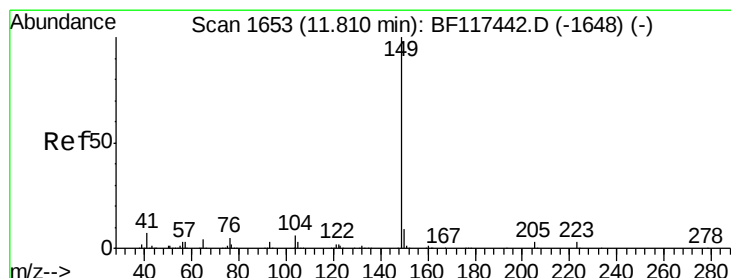
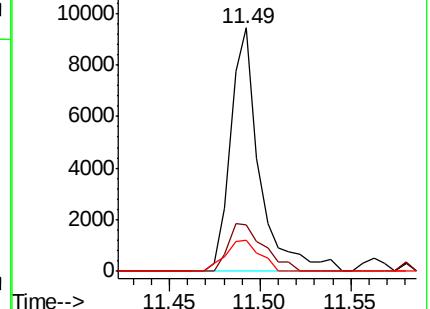
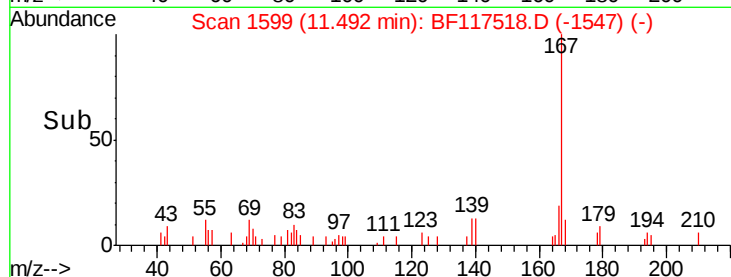
139 13.0 10.6 16.0



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: 0.370 ng

RT: 11.80 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

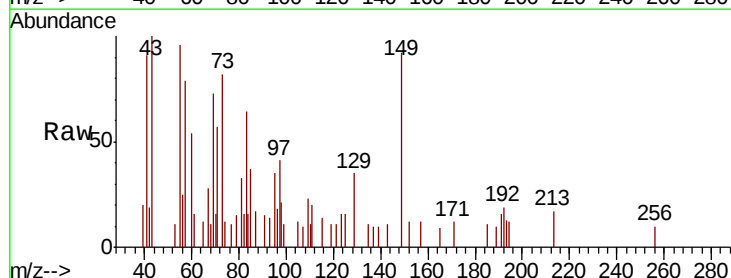
Tgt Ion:149 Resp: 3494

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

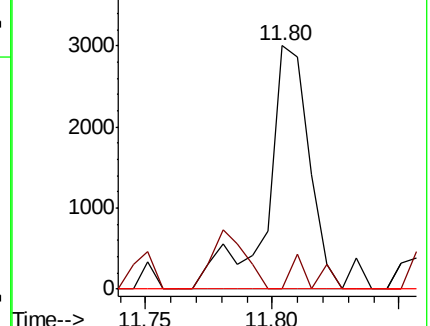
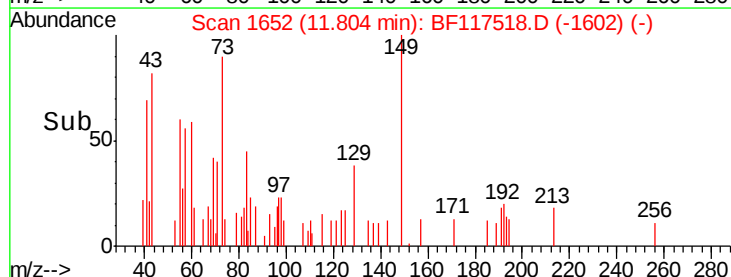
104 0.0 4.6 6.8#

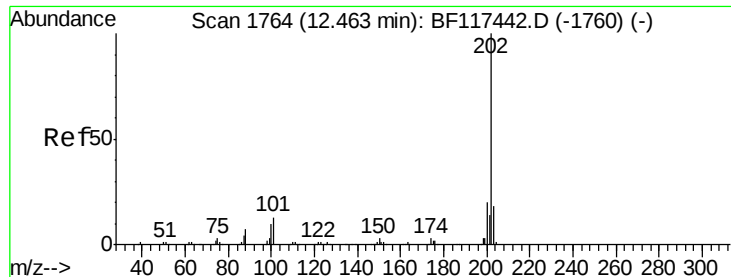


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 32.602 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

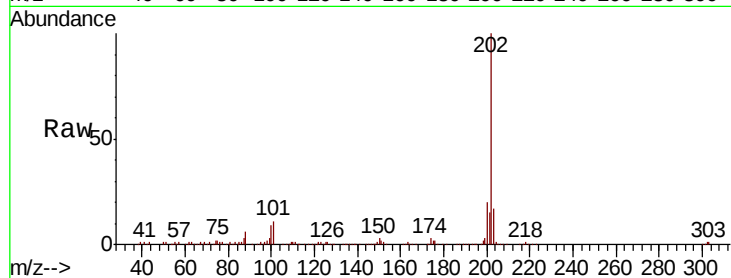
Tot Ion:202 Resp: 246227

Ion Ratio Lower Upper

202 100

101 11.3 0.0 32.7

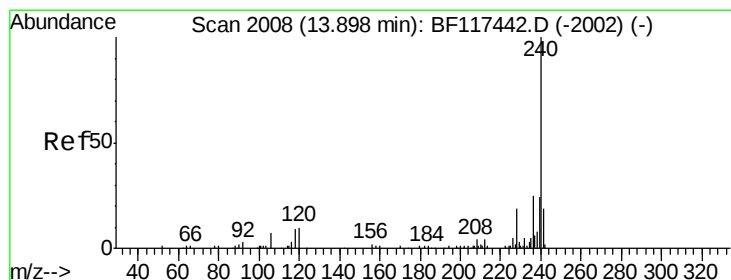
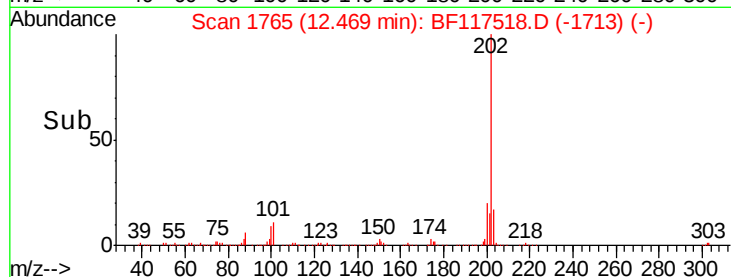
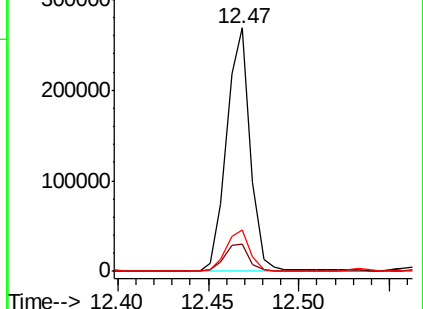
203 17.1 0.0 37.6



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: BF117518.D

Acq: 24 Oct 2019 18:53

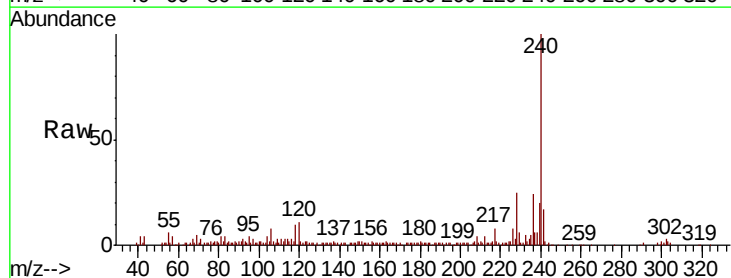
Tgt Ion:240 Resp: 91032

Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

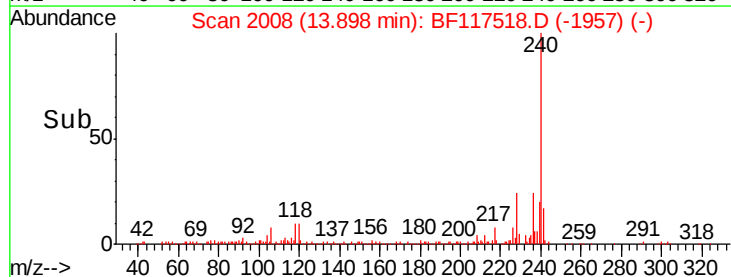
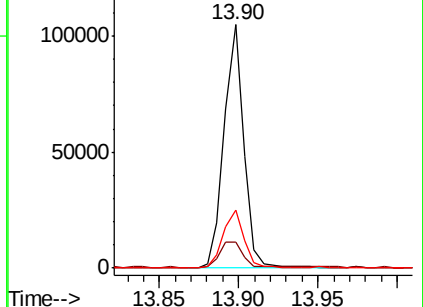
236 23.6 20.0 30.0

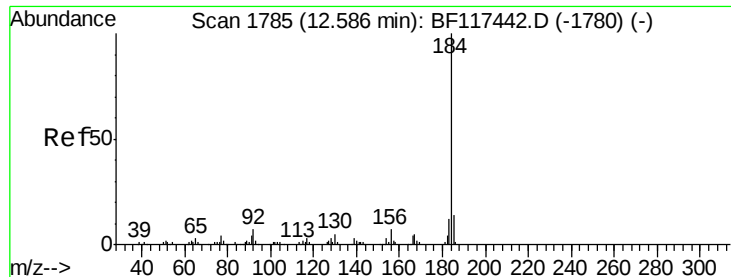


Abundance Ion 240.00 (239.70 to 240.70): E

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: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

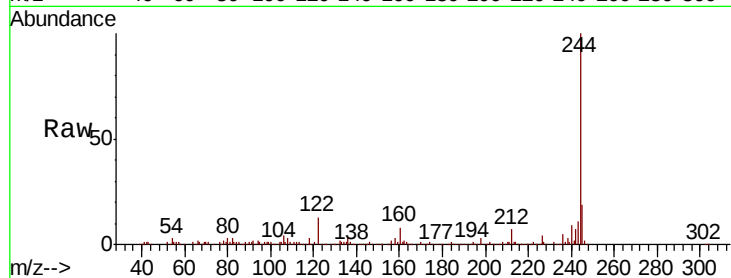
Tot Ion:184 Resp: 3188

Ion Ratio Lower Upper

184 100

185 21.8 11.4 17.0#

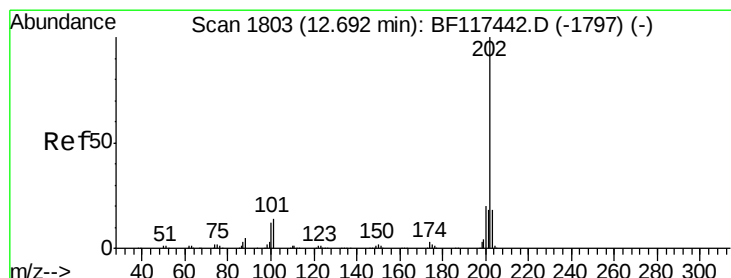
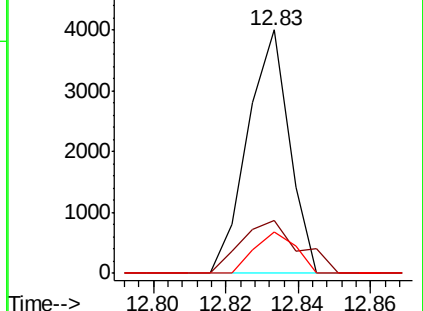
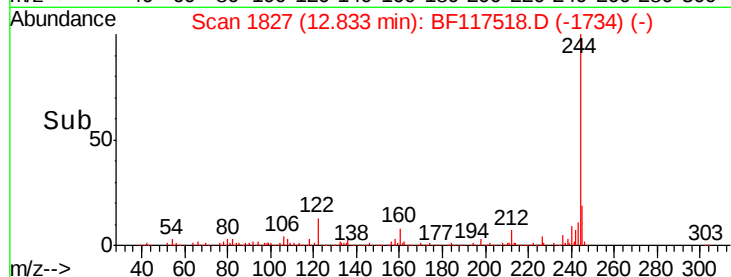
183 16.9 9.6 14.4#



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: 29.682 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

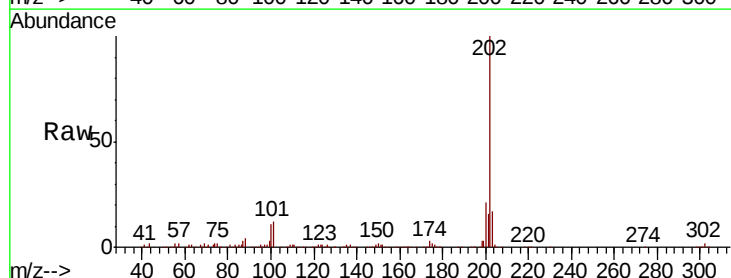
Tgt Ion:202 Resp: 232088

Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.2

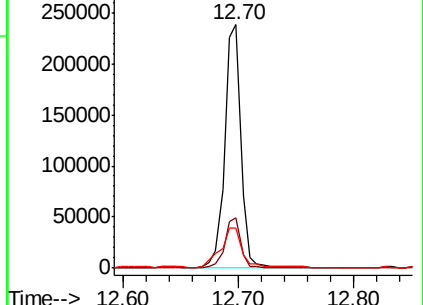
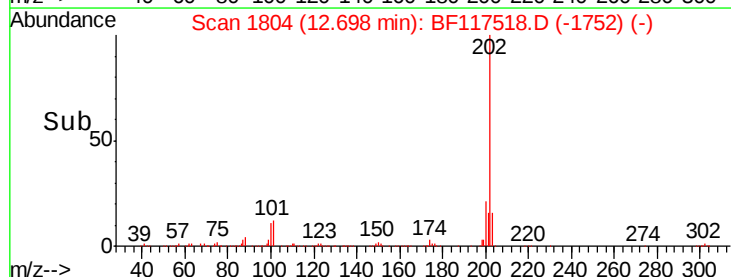
203 16.6 14.0 21.0

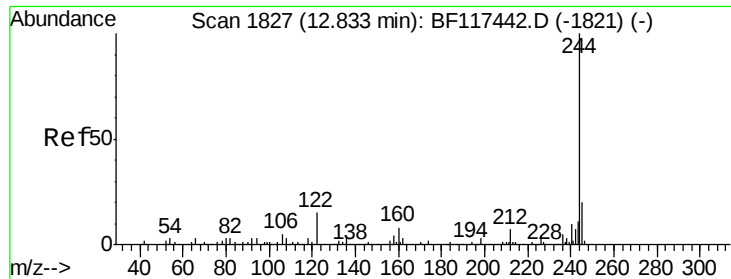


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 42.786 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

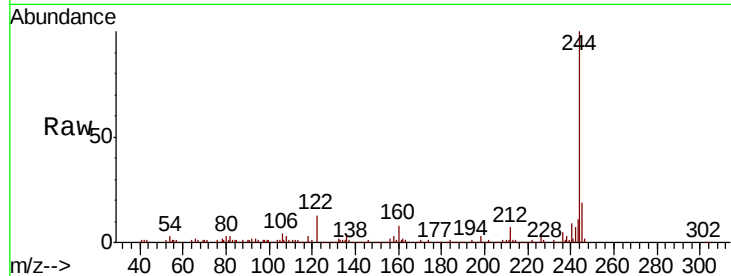
Tot Ion:244 Resp: 238790

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

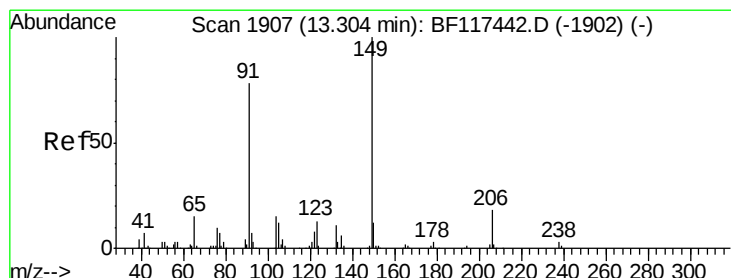
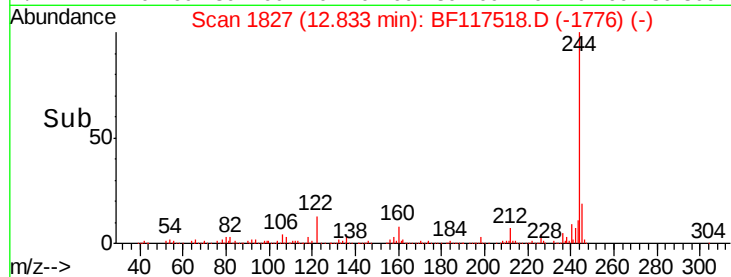
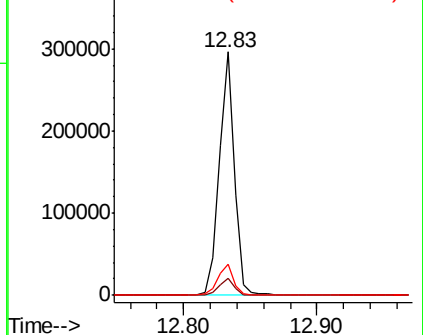
122 12.7 11.8 17.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.270 ng

RT: 13.30 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

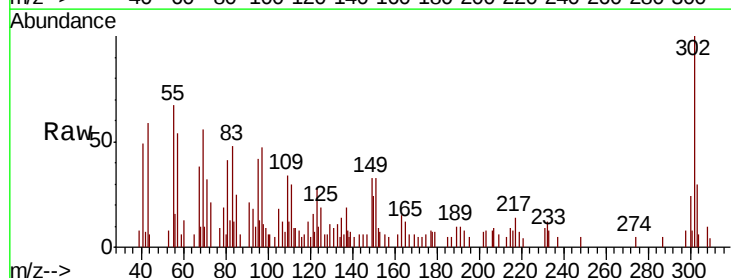
Tgt Ion:149 Resp: 1051

Ion Ratio Lower Upper

149 100

91 62.5 62.1 93.1

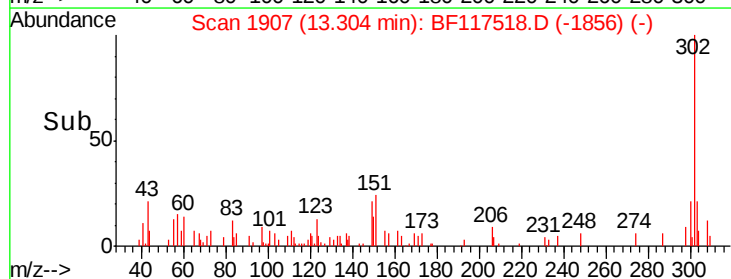
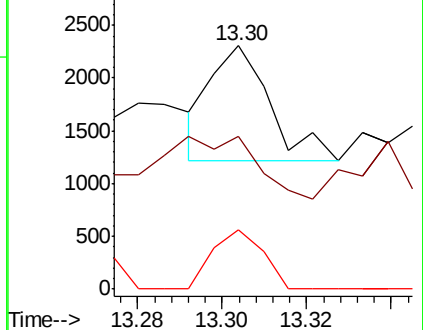
206 24.4 14.3 21.5#

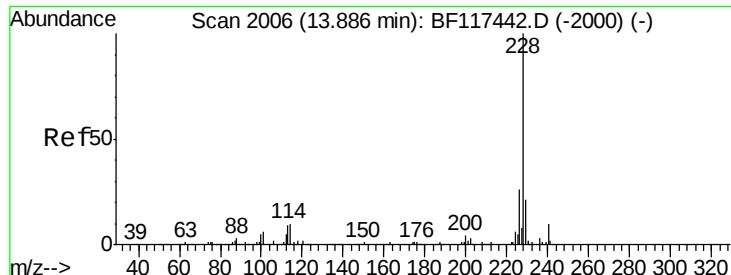


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 21.120 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

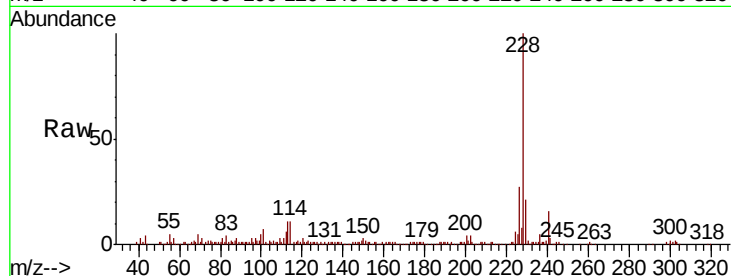
Tot Ion:228 Resp: 129686

Ion Ratio Lower Upper

228 100

226 26.5 21.0 31.4

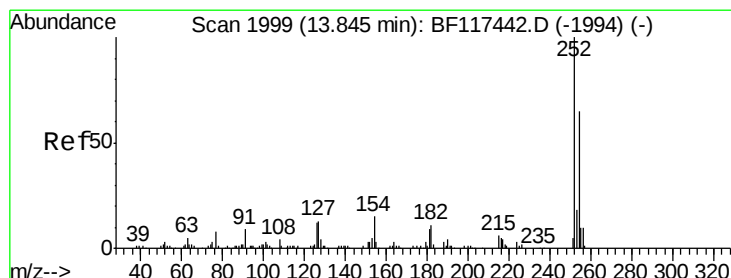
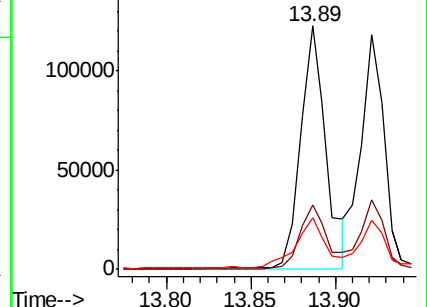
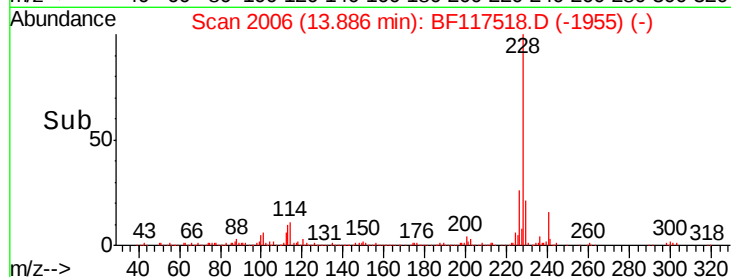
229 21.3 16.4 24.6



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: 0.714 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.08 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

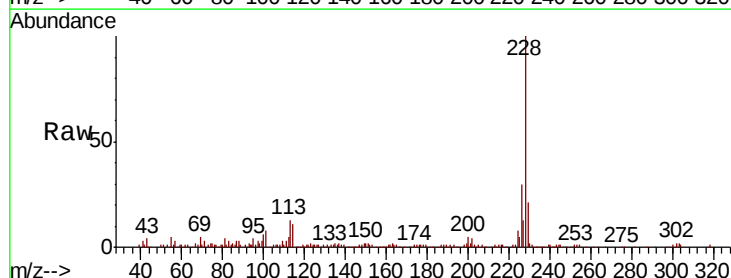
Tgt Ion:252 Resp: 1376

Ion Ratio Lower Upper

252 100

254 94.0 52.2 78.4#

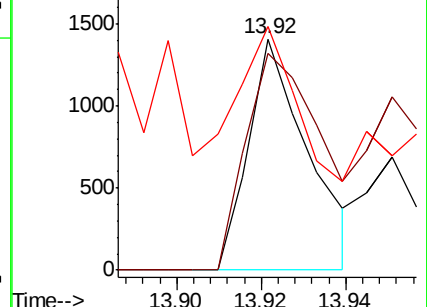
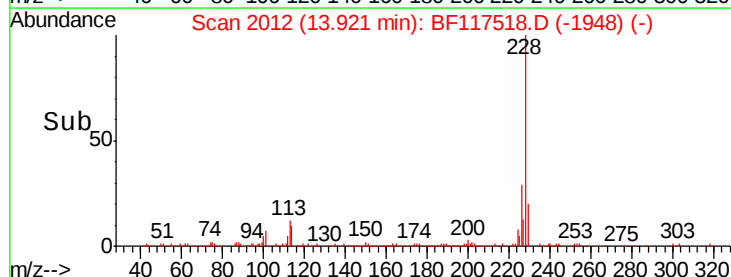
126 105.4 9.2 13.8#

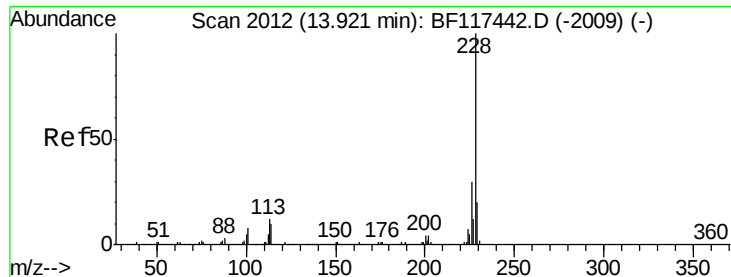


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

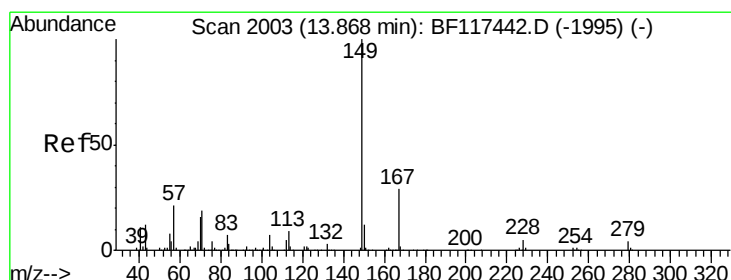
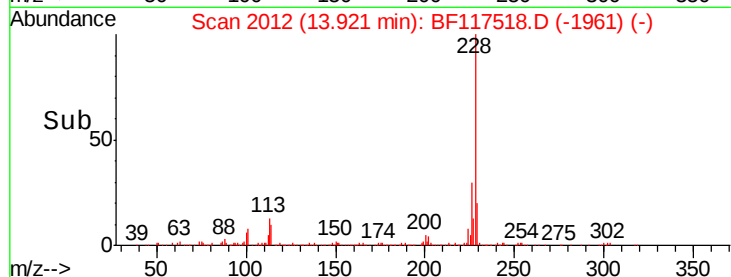
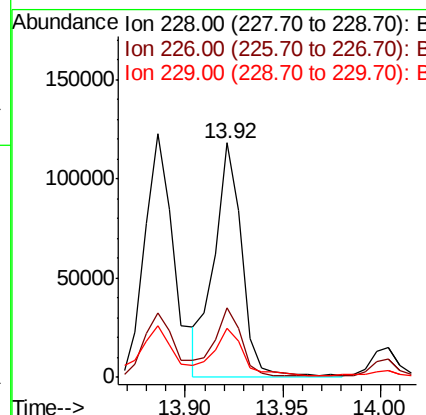
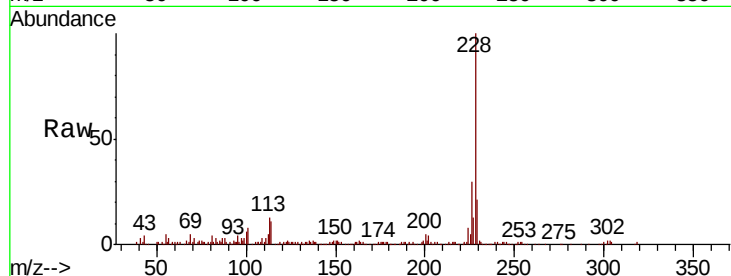




#83
Chrysene
Concen: 19.251 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

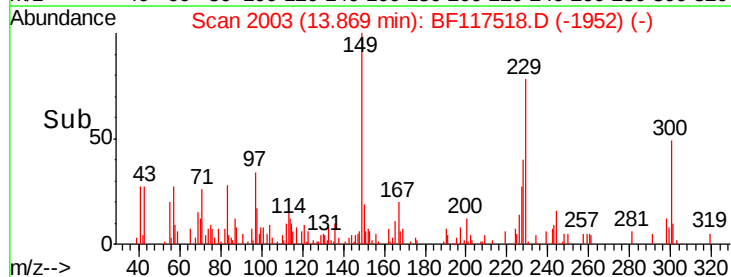
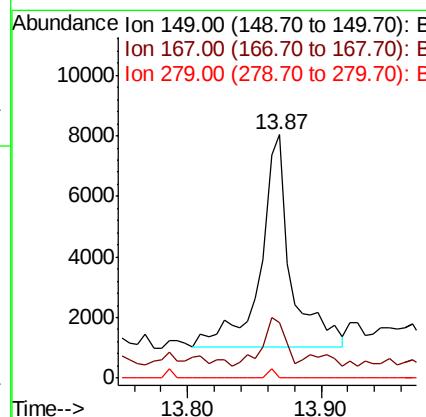
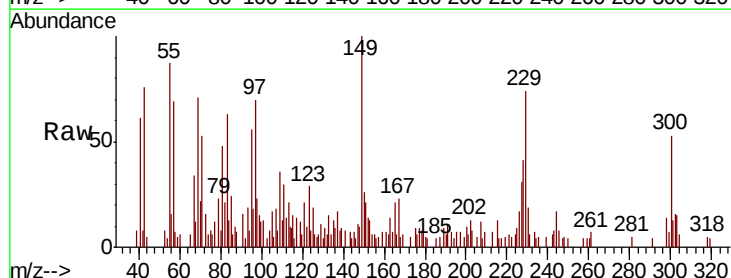
Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

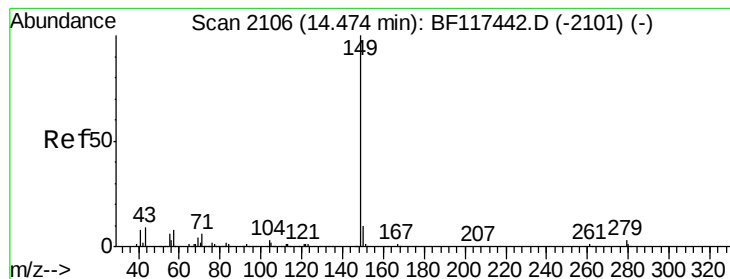
Tot Ion:228 Resp: 115852
Ion Ratio Lower Upper
228 100
226 29.9 23.9 35.9
229 20.9 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.029 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion:149 Resp: 11057
Ion Ratio Lower Upper
149 100
167 22.9 23.3 34.9#
279 0.0 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 0.192 ng

RT: 14.50 min Scan# 2110

Delta R.T. 0.02 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

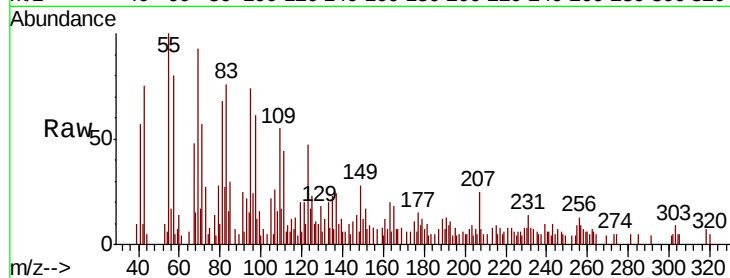
Tot Ion:149 Resp: 1612

Ion Ratio Lower Upper

149 100

167 11.7 1.2 1.8#

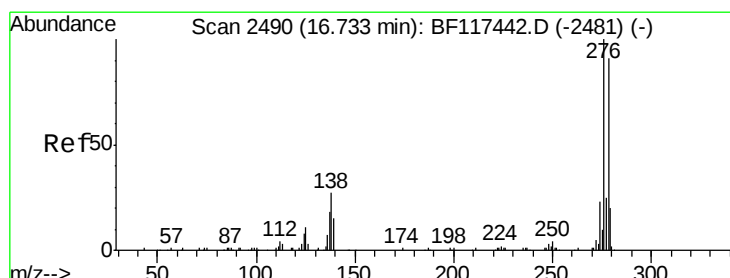
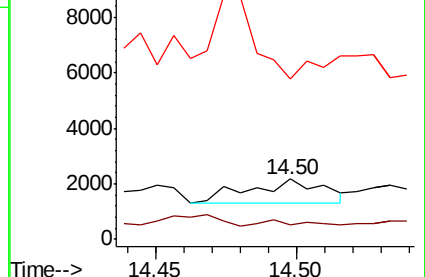
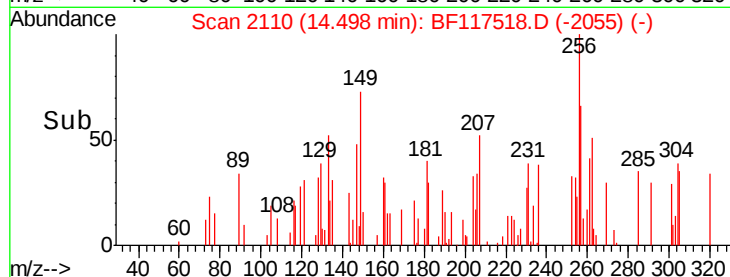
43 0.0 6.8 10.2#



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: 12.297 ng

RT: 16.75 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

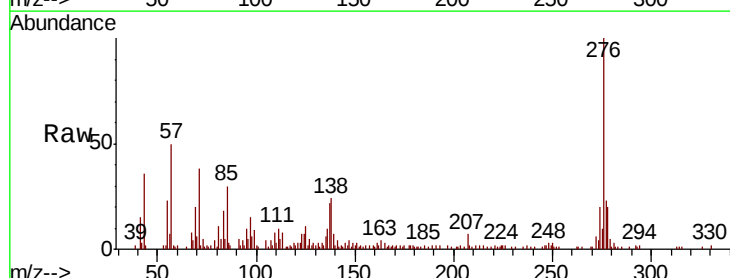
Tgt Ion:276 Resp: 55250

Ion Ratio Lower Upper

276 100

138 22.9 21.8 32.8

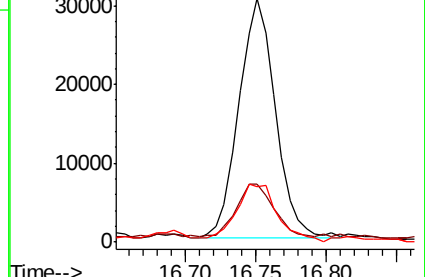
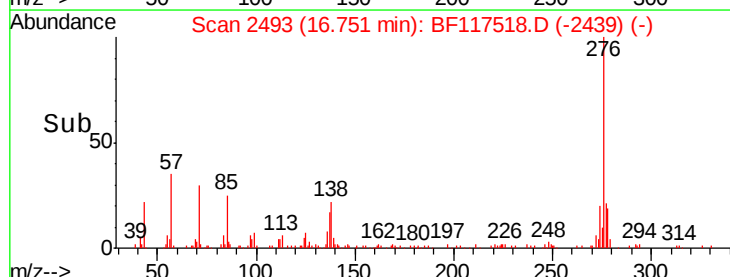
277 27.6 20.0 30.0

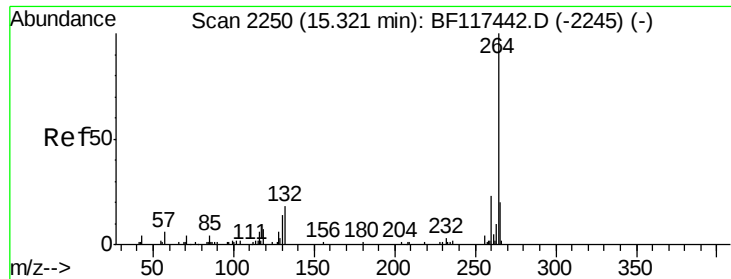


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

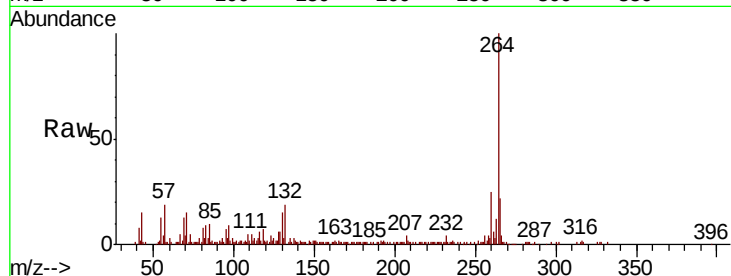




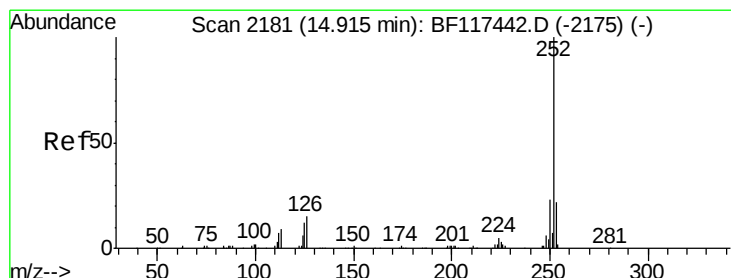
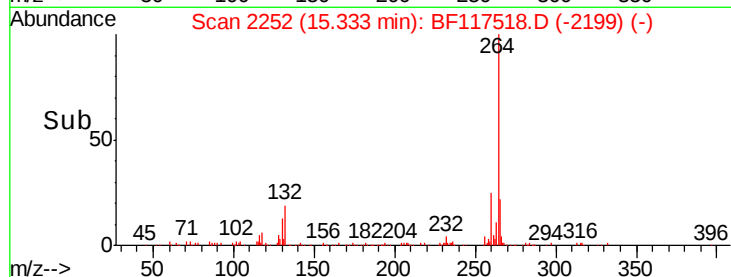
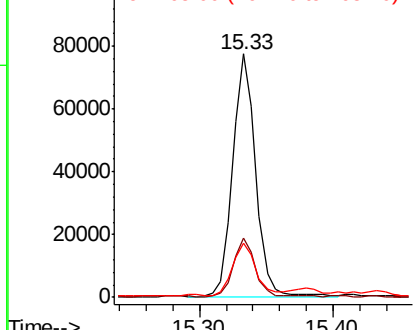
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Instrument :
BNA_F
ClientSampleId :
704-04-(0-1)

Tot Ion:264 Resp: 94964
Ion Ratio Lower Upper
264 100
260 24.5 18.4 27.6
265 22.0 16.1 24.1

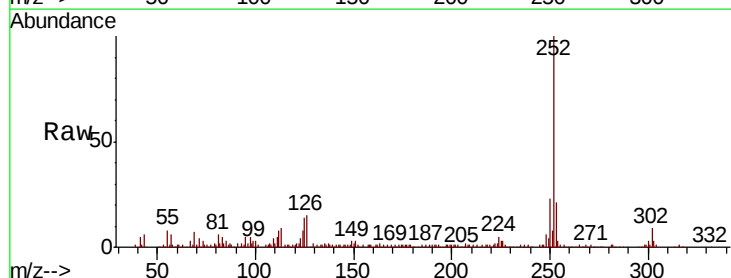


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

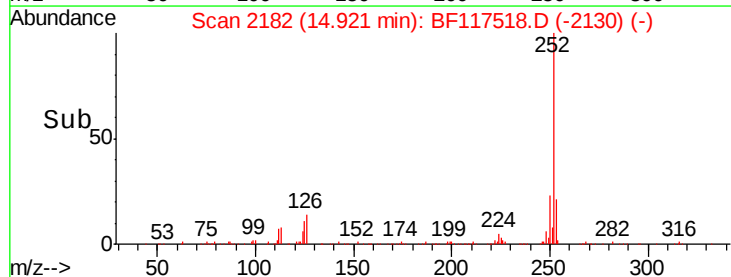
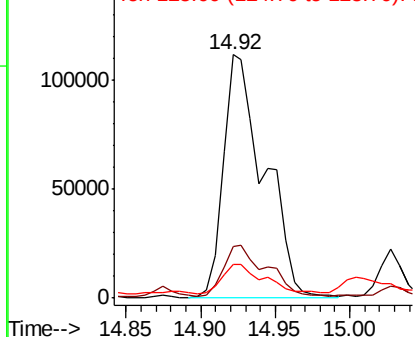


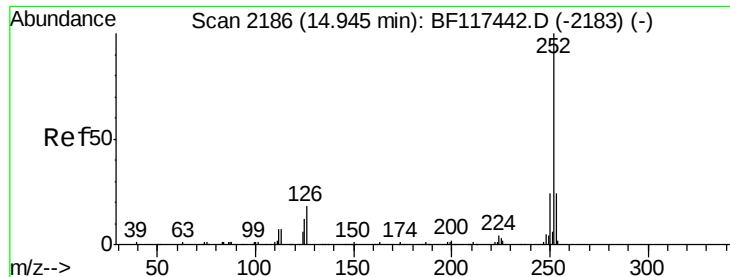
#88
Benzo(b)fluoranthene
Concen: 37.827 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117518.D
Acq: 24 Oct 2019 18:53

Tgt Ion:252 Resp: 212126
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.6
125 13.8 9.9 14.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 36.907 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

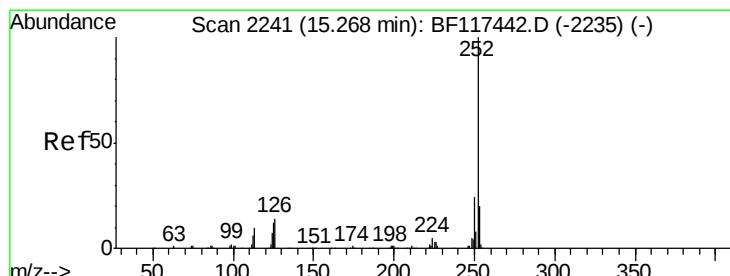
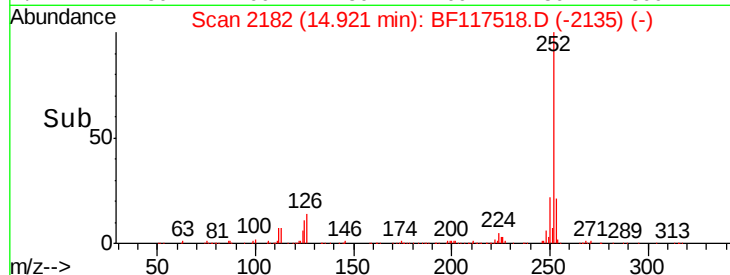
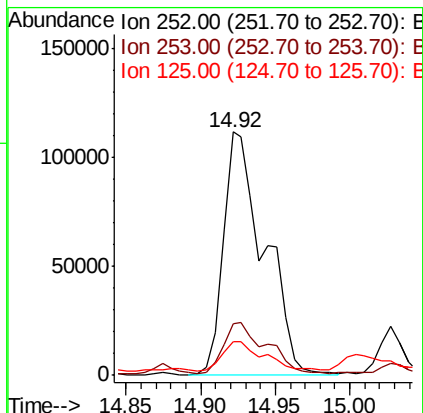
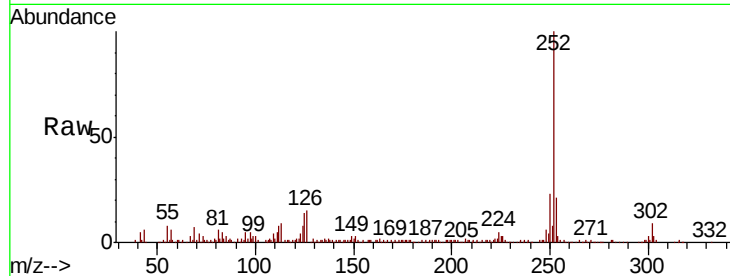
Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

Tot Ion:252	Resp:	212126
Ion Ratio	Lower	Upper
252	100	
253	21.3	18.0 27.0
125	13.8	8.9 13.3#



#90

Benzo(a)pyrene

Concen: 21.810 ng

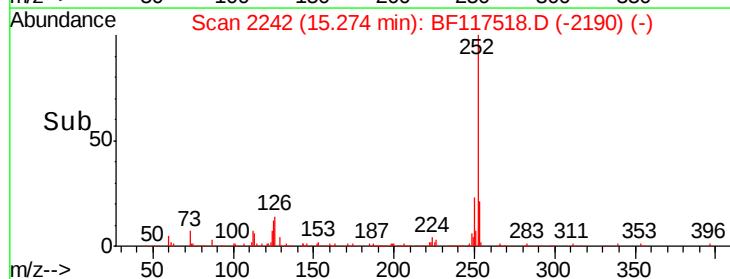
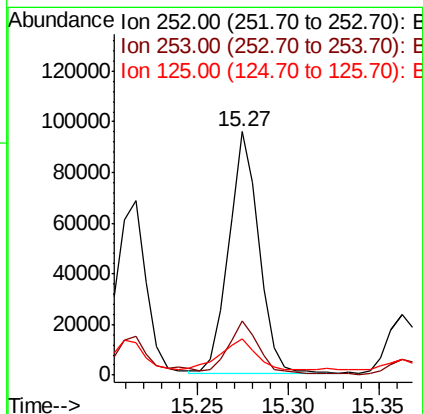
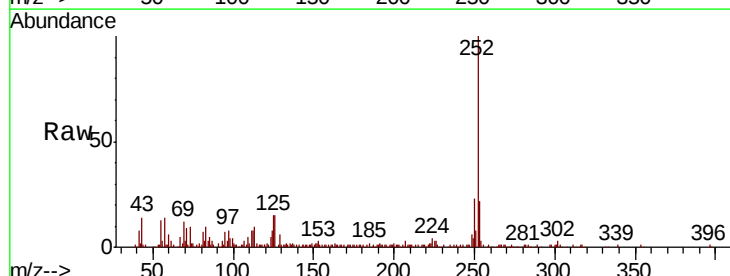
RT: 15.27 min Scan# 2242

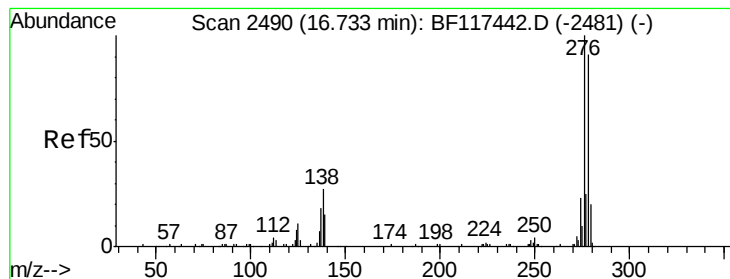
Delta R.T. 0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Tgt Ion:252	Resp:	111201
Ion Ratio	Lower	Upper
252	100	
253	22.1	16.3 24.5
125	15.0	9.2 13.8#





#91

Dibenzo(a,h)anthracene

Concen: 2.906 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

Instrument :

BNA_F

ClientSampleId :

704-04-(0-1)

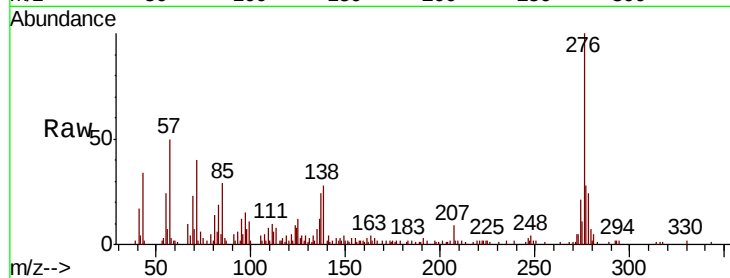
Tot Ion:278 Resp: 12810

Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.0#

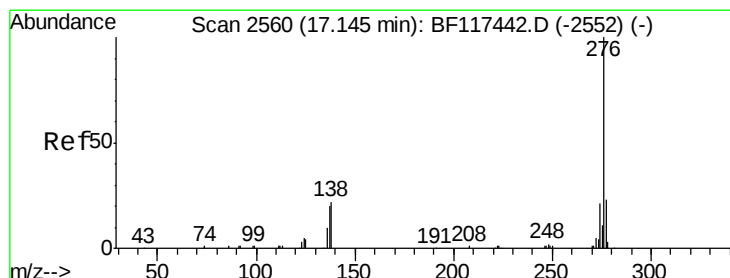
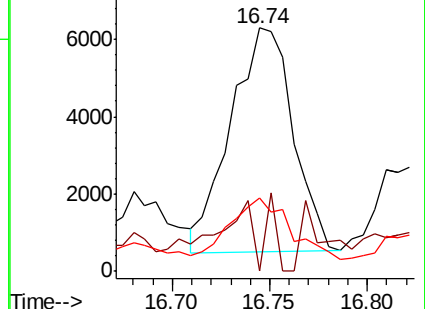
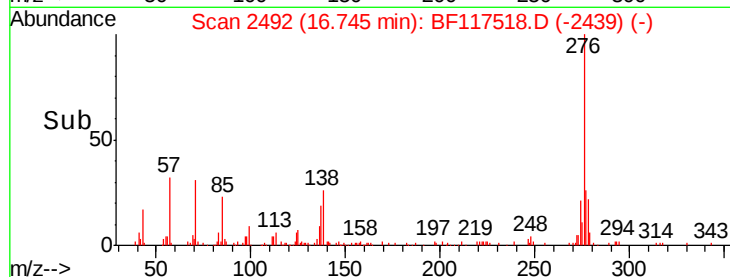
279 30.2 17.8 26.6#



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(g,h,i)perylene

Concen: 12.996 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.04 min

Lab File: BF117518.D

Acq: 24 Oct 2019 18:53

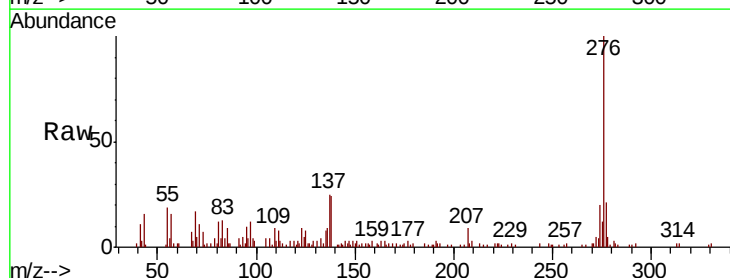
Tgt Ion:276 Resp: 54211

Ion Ratio Lower Upper

276 100

277 20.7 18.4 27.6

138 23.7 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

