

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
 Data File : BF119083.D
 Acq On : 26 Feb 2020 00:12
 Operator : CG/JU
 Sample : L1613-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 01:30:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	188873	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	680874	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	309841	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	429415	20.00	ng	0.00
76) Chrysene-d12	13.95	240	249529	20.00	ng	0.04
87) Perylene-d12	15.39	264	333411	20.00	ng	0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	217553	19.25	ng	0.00
7) Phenol-d6	6.39	99	264063	19.21	ng	-0.01
23) Nitrobenzene-d5	7.31	82	162388	12.59	ng	-0.02
42) 2,4,6-Tribromophenol	10.58	330	54873	13.54	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	328259	15.61	ng	-0.01
79) Terphenyl-d14	12.86	244	250076	17.25	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.41	94	38003	2.557	ng	86
19) n-Nitroso-di-n-propylamine	7.31	70	24867	3.105	ng	# 75
20) 3+4-Methylphenols	7.19	107	27260	2.250	ng	# 56
25) Isophorone	7.31	82	162388	7.251	ng	# 63
30) 1,2,4-Trichlorobenzene	7.98	180	65749	5.137	ng	98
31) Naphthalene	8.06	128	2220475	62.883	ng	98
32) Benzoic acid	7.84	122	11464	8.155	ng	# 33
33) 4-Chloroaniline	8.06	127	314846	20.730	ng	# 36
37) 2-Methylnaphthalene	8.75	142	657064	27.650	ng	98
38) 1-Methylnaphthalene	8.85	142	445175	19.920	ng	99
46) 1,1'-Biphenyl	9.21	154	230574	9.208	ng	99
49) Acenaphthylene	9.66	152	3606958	123.757	ng	98
52) Acenaphthene	9.82	154	181999	10.356	ng	95
54) 2,4-Dinitrophenol	9.86	184	567	7.676	ng	# 1
55) Dibenzofuran	9.99	168	982545	37.457	ng	97
56) 4-Nitrophenol	9.99	139	388228	110.727	ng	# 12
57) 2,4-Dinitrotoluene	10.10	165	32062	4.699	ng	# 61
58) Fluorene	10.34	166	1284252	63.006	ng	99
62) 4-Nitroaniline	10.34	138	16428	2.752	ng	# 27
71) Phenanthrene	11.32	178	5806044	247.929	ng	94
72) Anthracene	11.37	178	3080846	131.667	ng	98
73) Carbazole	11.50	167	542582	26.029	ng	99
75) Fluoranthene	12.53	202	8240377	331.501	ng	96
78) Pyrene	12.76	202	7503790	374.499	ng	93
81) Benzo(a)anthracene	13.94	228	6442347	378.916	ng	# 82
83) Chrysene	13.98	228	4195469	247.650	ng	# 90
84) Bis(2-ethylhexyl)phthalate	13.93	149	26644	2.501	ng	# 93
86) Indeno(1,2,3-cd)pyrene	16.85	276	4075918	248.476	ng	95
88) Benzo(b)fluoranthene	14.99	252	9705710	441.638	ng	96
89) Benzo(k)fluoranthene	14.99	252	9705710	476.560	ng	95
90) Benzo(a)pyrene	15.35	252	5687383	286.743	ng	95
91) Dibenzo(a,h)anthracene	16.97	278	1022879	58.611	ng	94
92) Benzo(a,h,i)perylene	17.28	276	3888859	225.526	ng	97

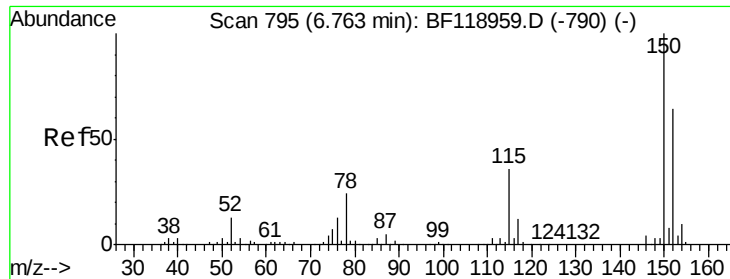
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
Data File : BF119083.D
Acq On : 26 Feb 2020 00:12
Operator : CG/JU
Sample : L1613-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 26 01:30:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 20 17:40:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

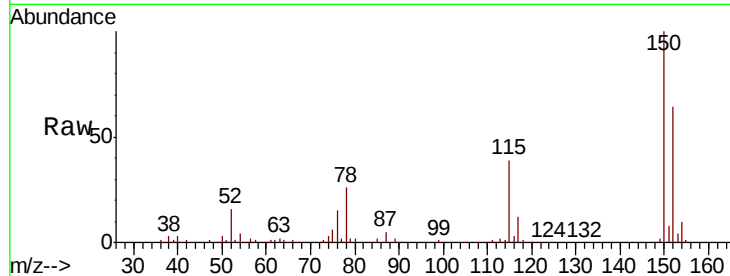


#1

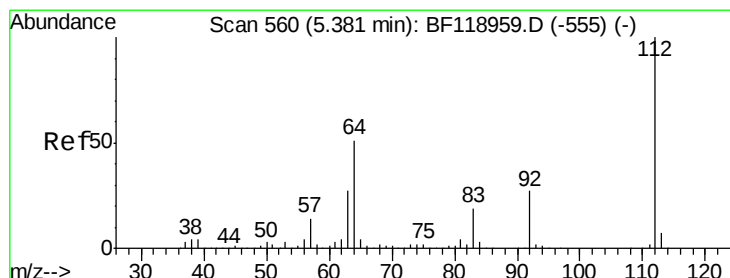
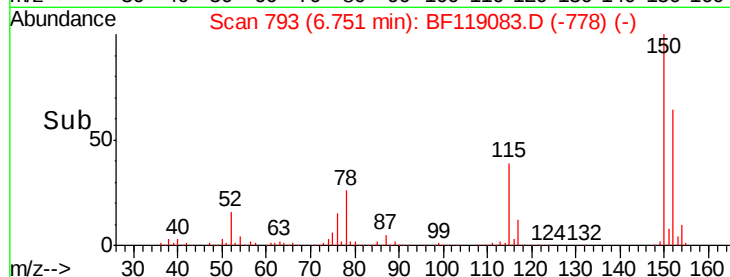
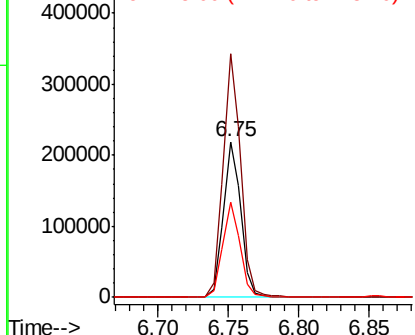
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 188873
Ion Ratio Lower Upper
152 100
150 156.5 124.3 186.5
115 61.1 44.6 67.0



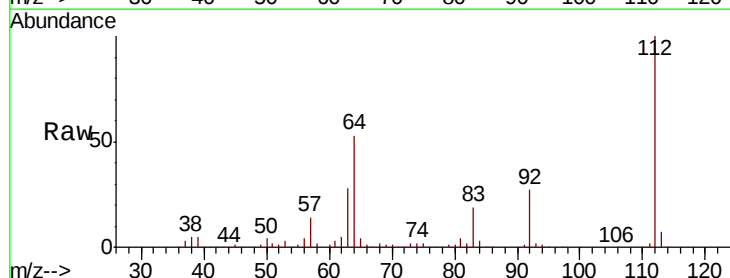
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



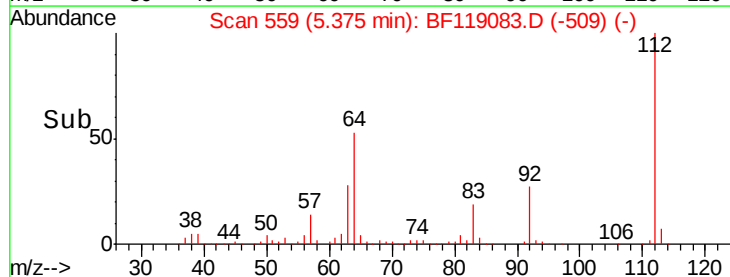
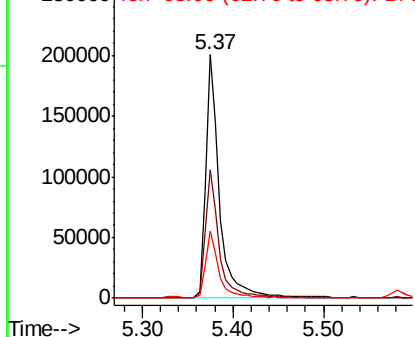
#5

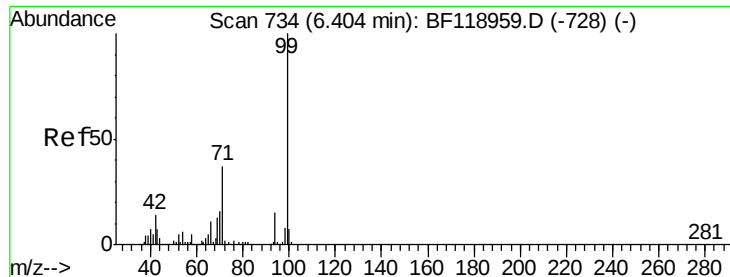
2-Fluorophenol
Concen: 19.249 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Tgt Ion:112 Resp: 217553
Ion Ratio Lower Upper
112 100
64 52.9 40.4 60.6
63 27.7 21.3 31.9



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





#7

Phenol-d6

Concen: 19.211 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

Instrument :

BNA_F

ClientSampleId :

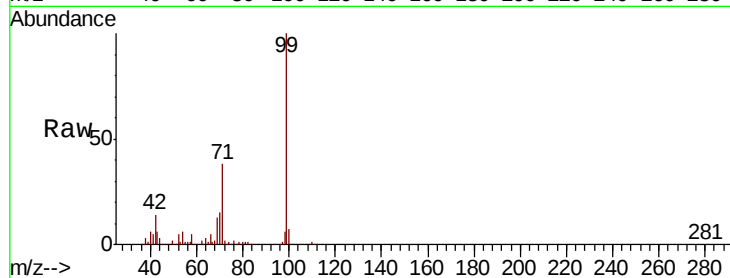
Tot Ion: 99 Resp: 264063

Ion Ratio Lower Upper

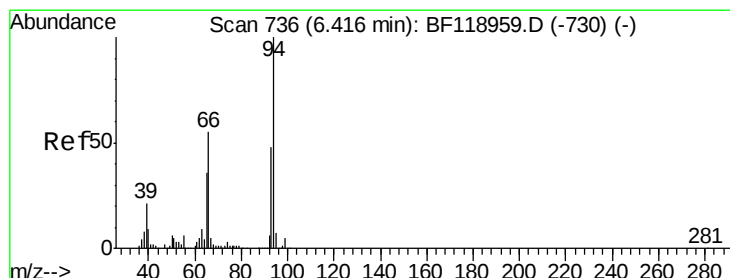
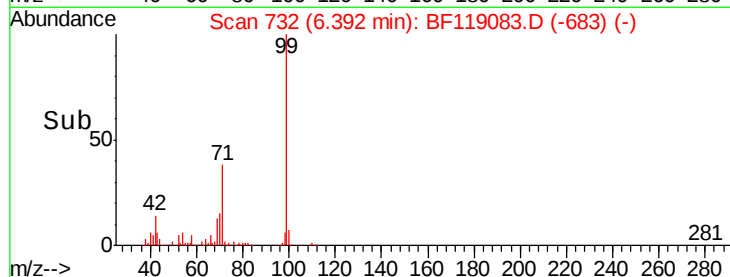
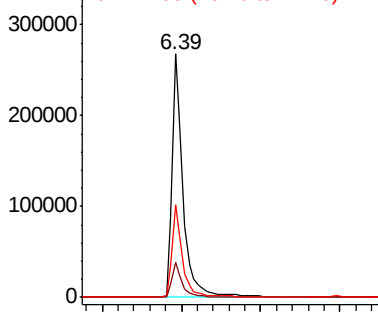
99 100

42 14.5 11.4 17.0

71 38.1 29.8 44.6



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



#10

Phenol

Concen: 2.557 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

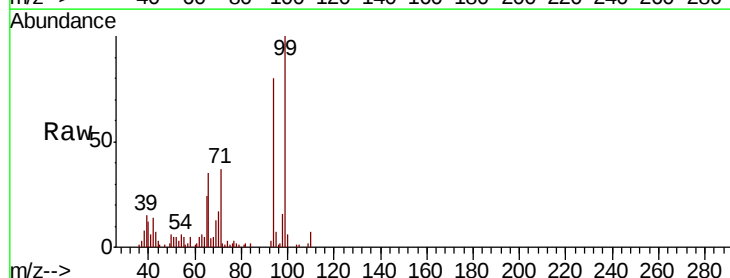
Tgt Ion: 94 Resp: 38003

Ion Ratio Lower Upper

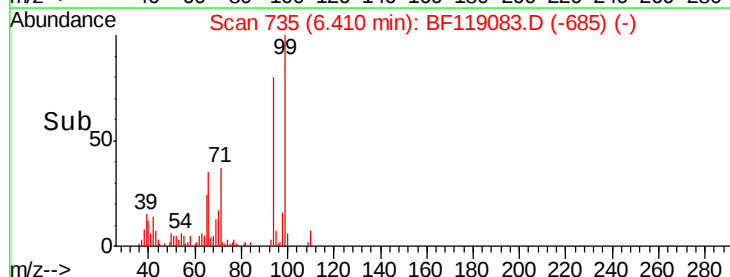
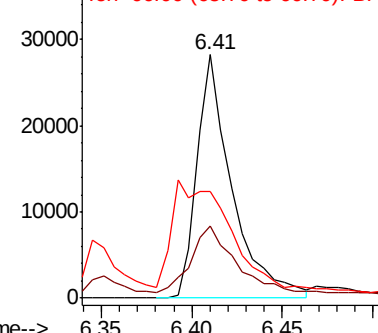
94 100

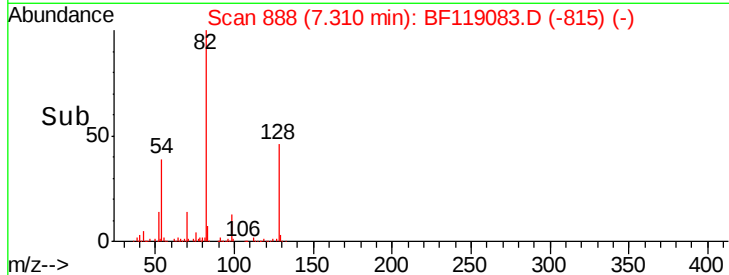
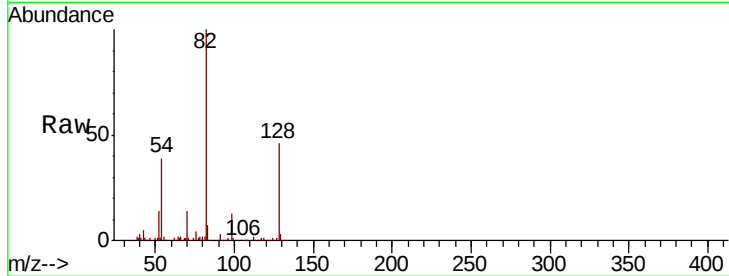
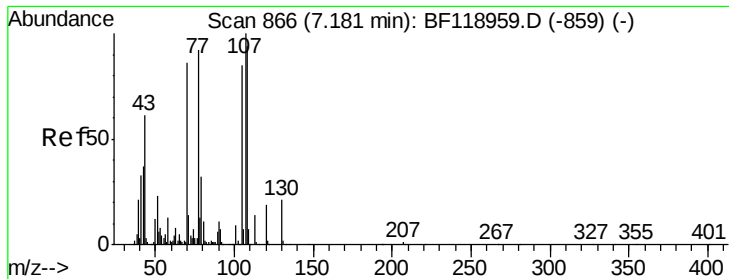
65 29.6 15.5 55.5

66 43.8 35.6 75.6



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

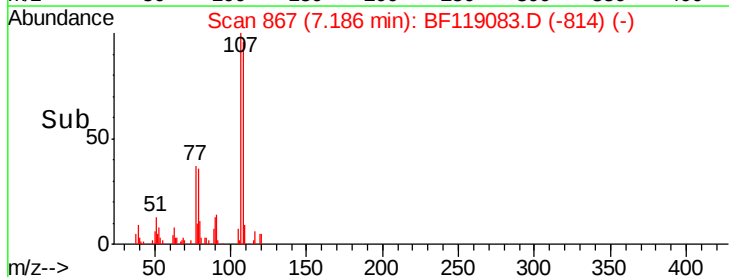
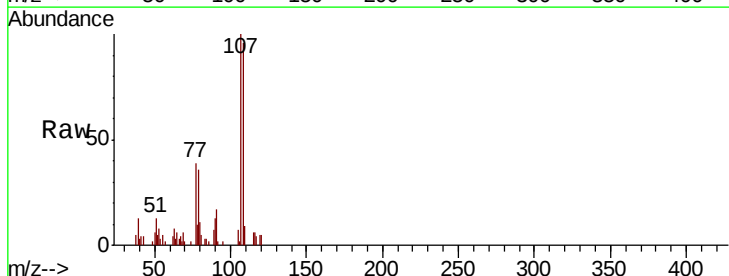
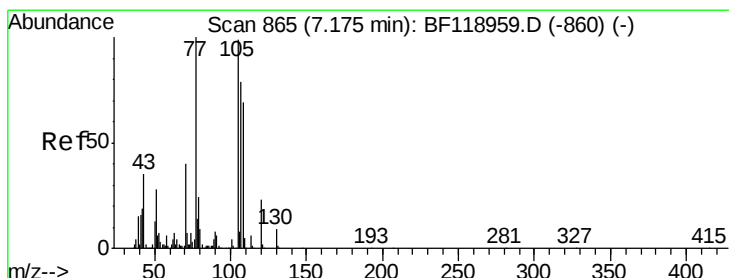
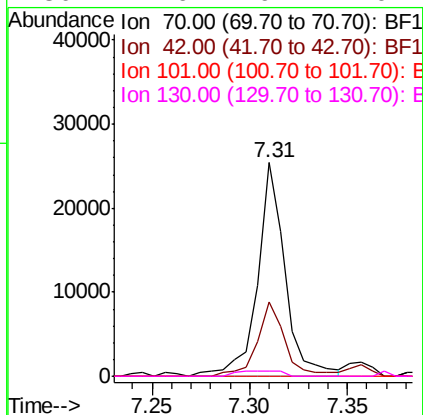




#19
n-Nitroso-di-n-propylamine
Concen: 3.105 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.13 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

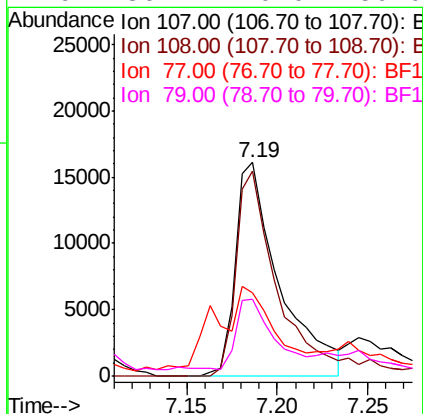
Instrument :
BNA_F
ClientSampleId :

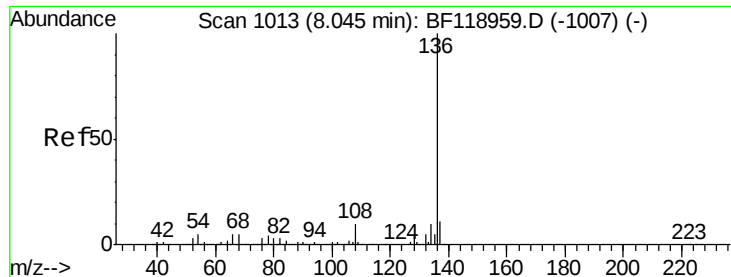
Tot Ion	Ratio	Lower	Upper
70	100		
42	34.7	34.6	51.8
101	0.0	8.1	12.1#
130	2.6	19.4	29.2#



#20
3+4-Methylphenols
Concen: 2.250 ng
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Tgt Ion	Ratio	Lower	Upper
107	100		
108	95.8	67.0	107.0
77	39.1	106.2	146.2#
79	36.2	10.0	50.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 680874

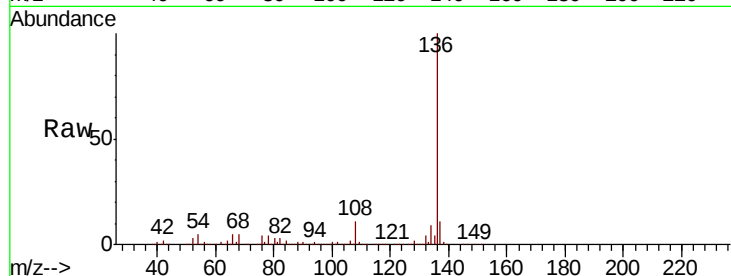
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 5.3 3.8 5.6

68 5.4 4.2 6.2

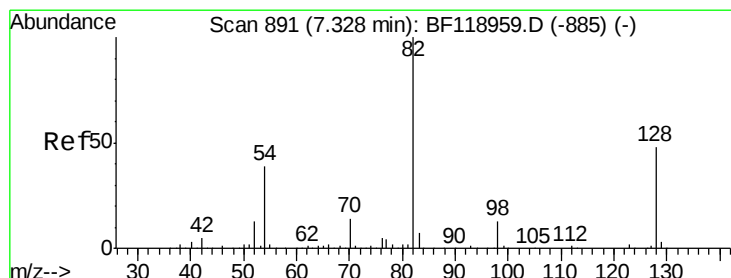
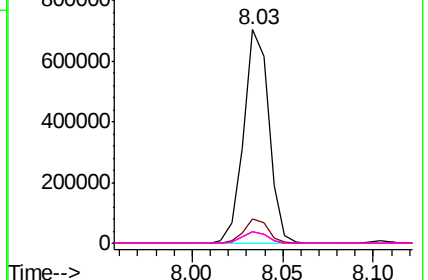
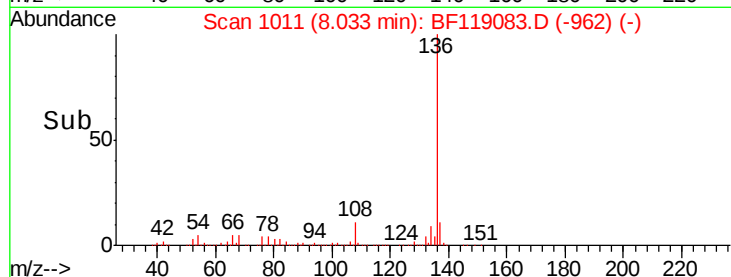


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 12.593 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.02 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

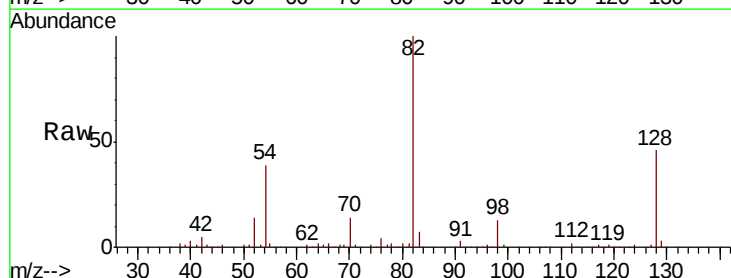
Tgt Ion: 82 Resp: 162388

Ion Ratio Lower Upper

82 100

128 45.6 38.2 57.2

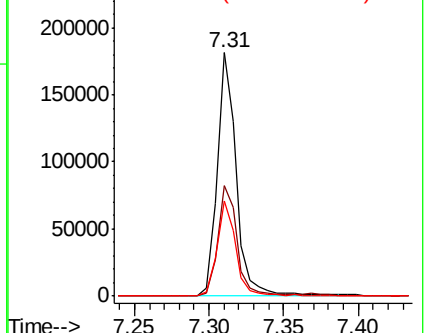
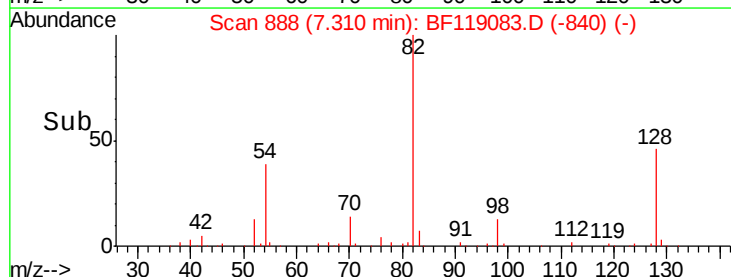
54 38.9 31.3 46.9

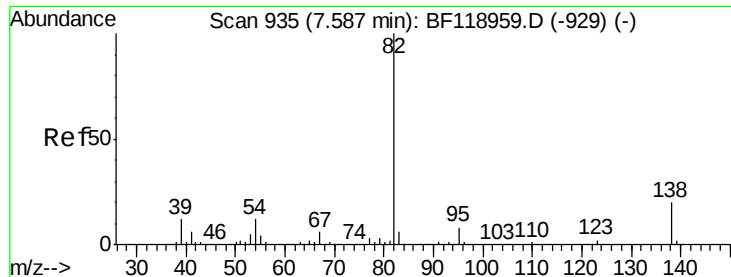


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

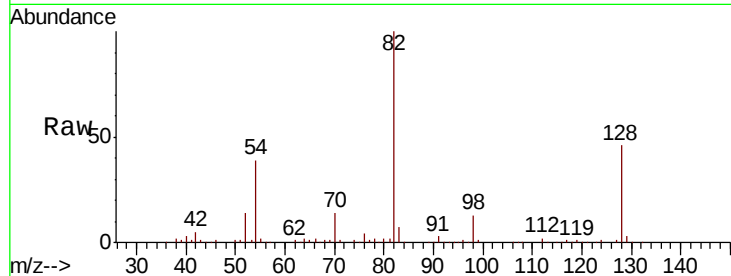




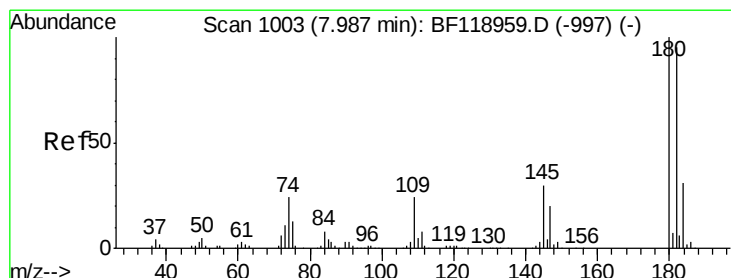
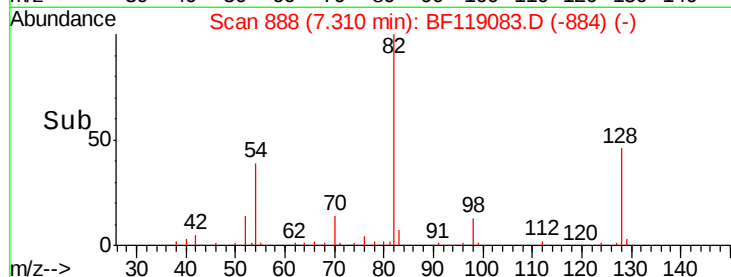
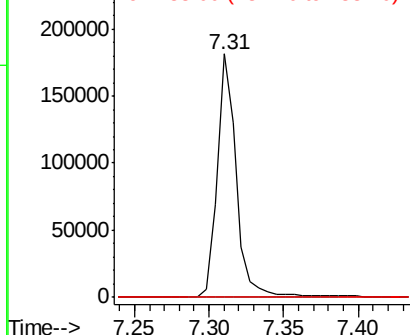
#25
Isophorone
Concen: 7.251 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.28 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 162388
Ion Ratio Lower Upper
82 100
95 0.2 6.1 9.1#
138 0.0 15.8 23.6#

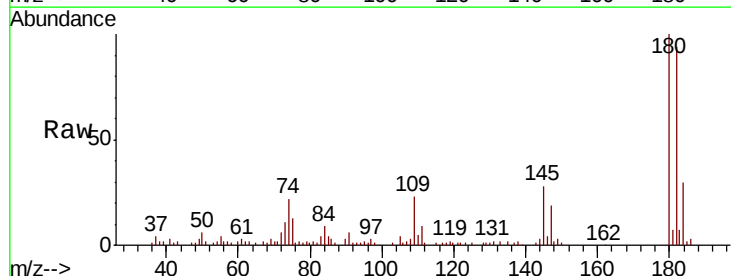


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

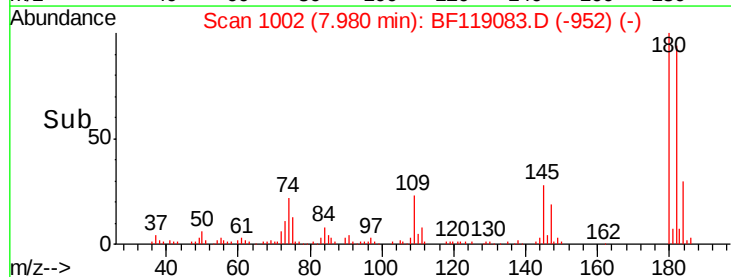
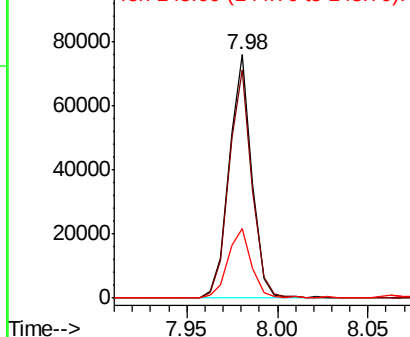


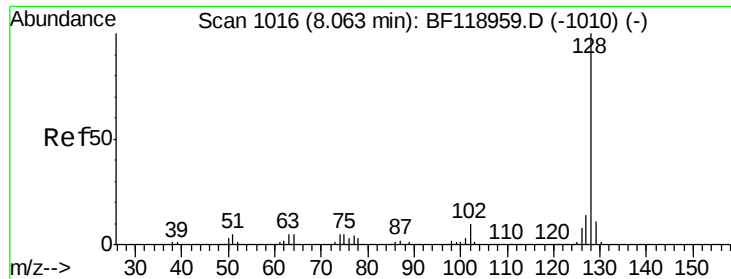
#30
1,2,4-Trichlorobenzene
Concen: 5.137 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Tgt Ion: 180 Resp: 65749
Ion Ratio Lower Upper
180 100
182 93.6 75.8 113.8
145 28.4 24.2 36.2



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

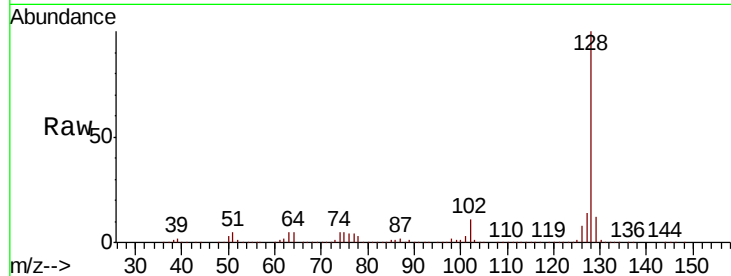




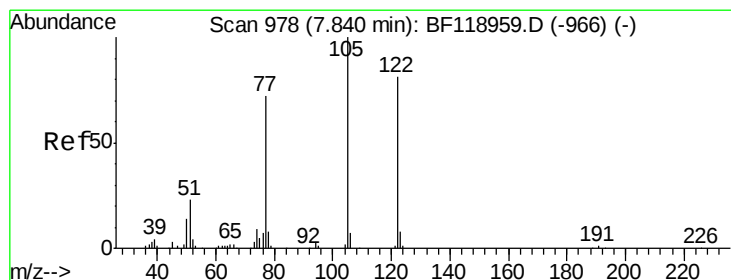
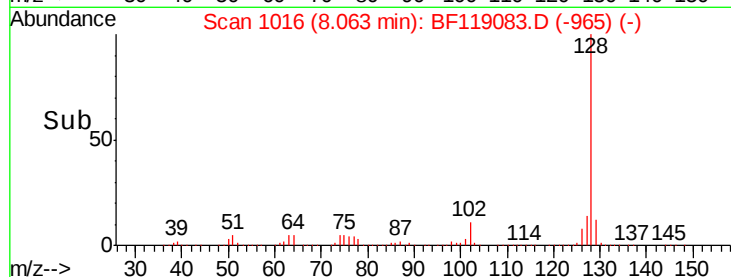
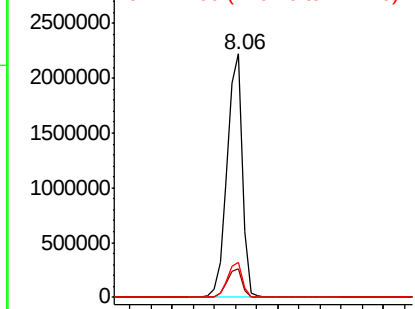
#31
Naphthalene
Concen: 62.883 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 2220475
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.4
127 14.4 10.9 16.3

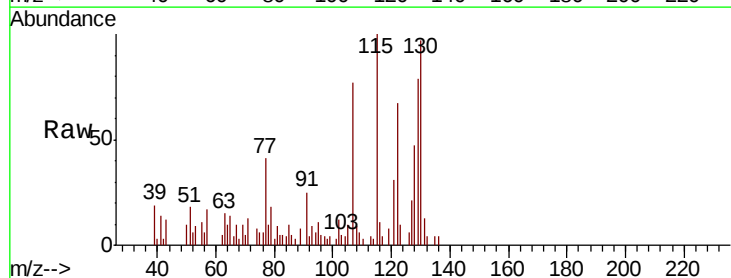


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

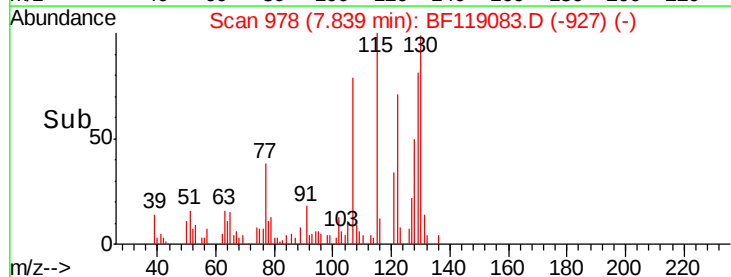
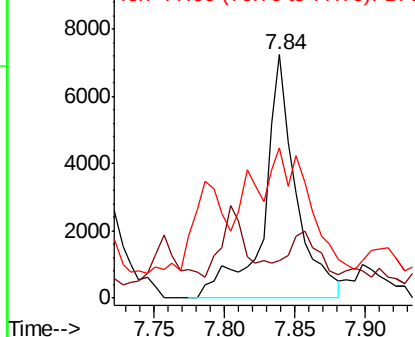


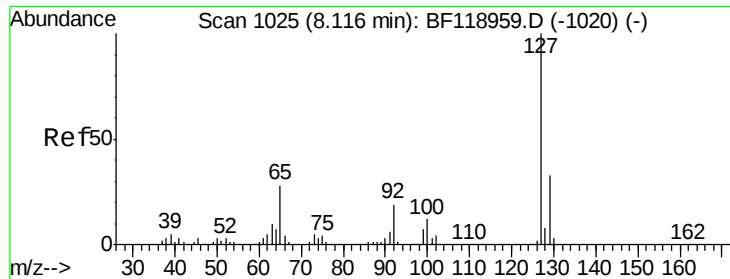
#32
Benzoic acid
Concen: 8.155 ng
RT: 7.84 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Tgt Ion:122 Resp: 11464
Ion Ratio Lower Upper
122 100
105 15.6 102.2 142.2#
77 61.6 68.6 108.6#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

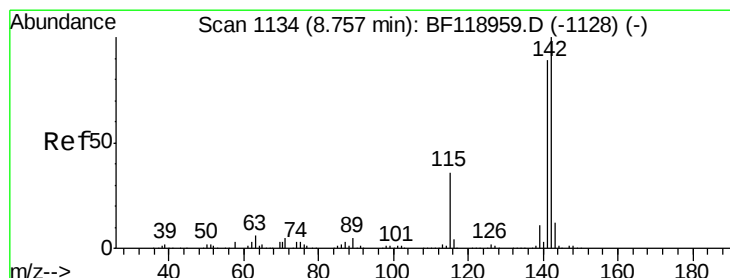
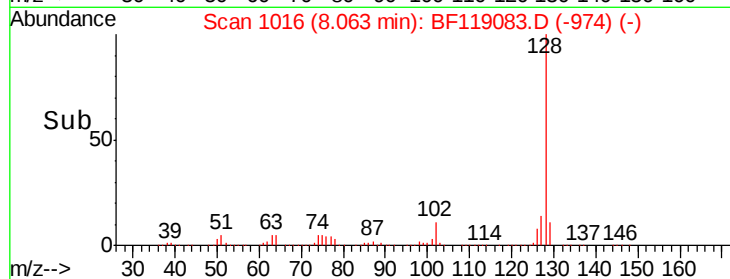
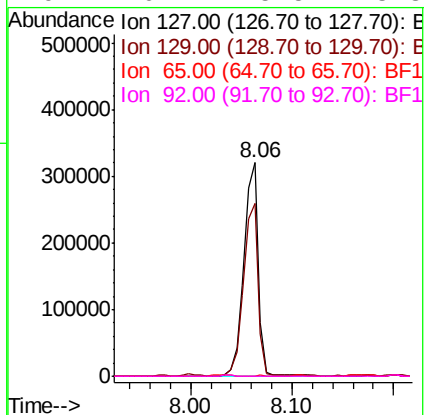
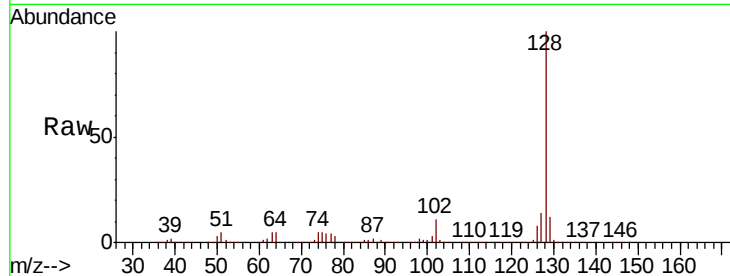




#33
4-Chloroaniline
Concen: 20.730 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.05 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

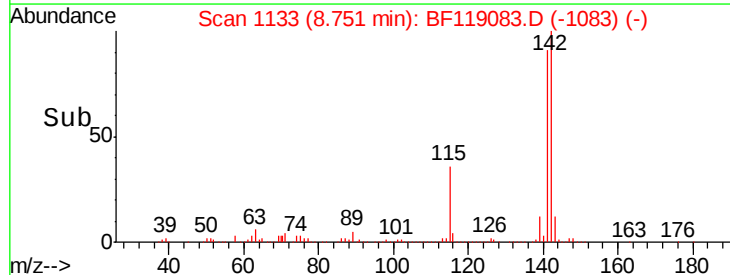
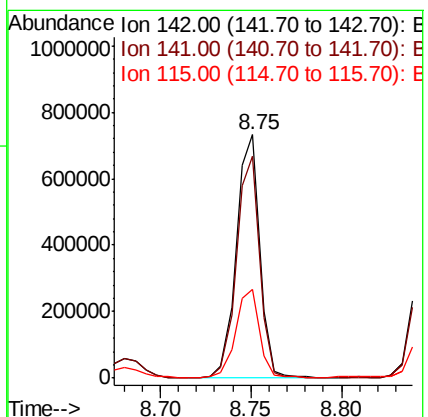
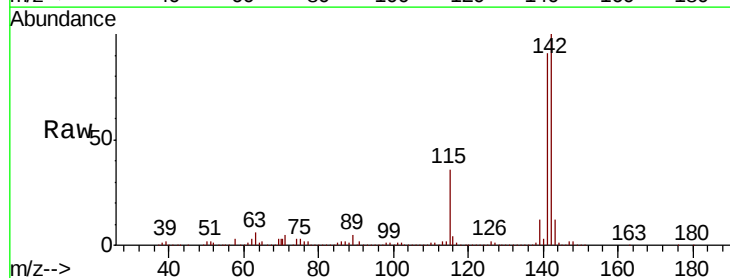
Instrument :
BNA_F
ClientSampleId :

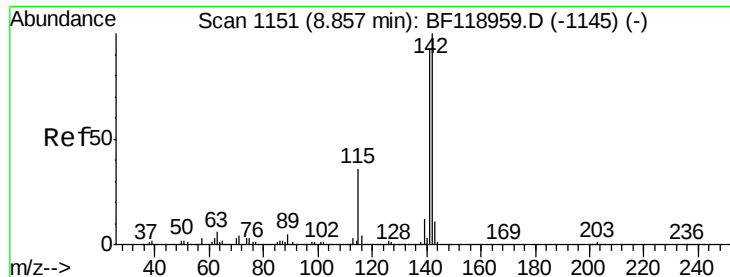
Tot Ion:	127	Resp:	314846
Ion	Ratio	Lower	Upper
127	100		
129	80.7	26.2	39.2#
65	0.0	22.0	33.0#
92	0.1	15.5	23.3#



#37
2-Methylnaphthalene
Concen: 27.650 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Tgt Ion:	142	Resp:	657064
Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.0	106.4
115	36.2	28.6	42.8

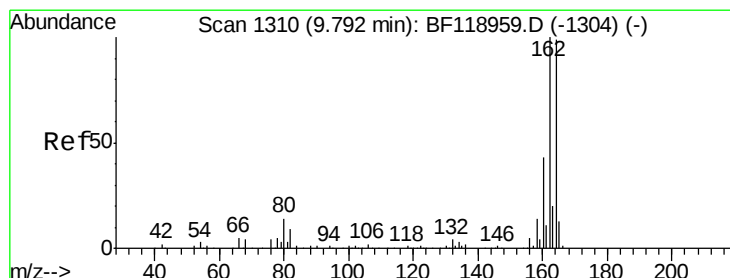
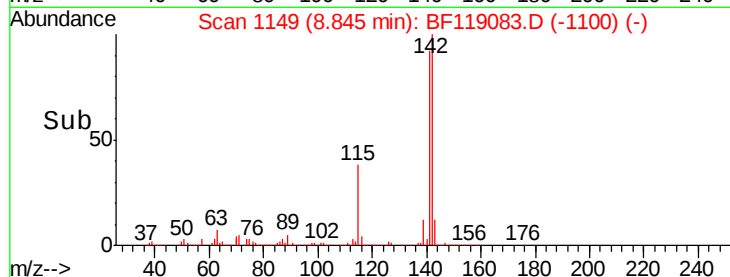
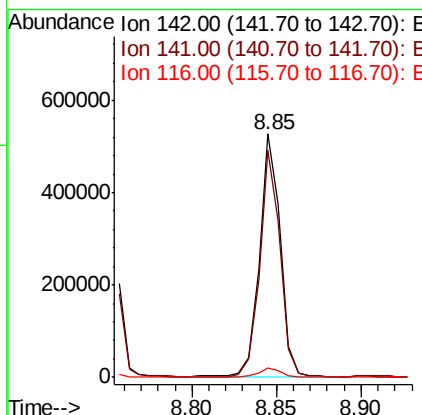
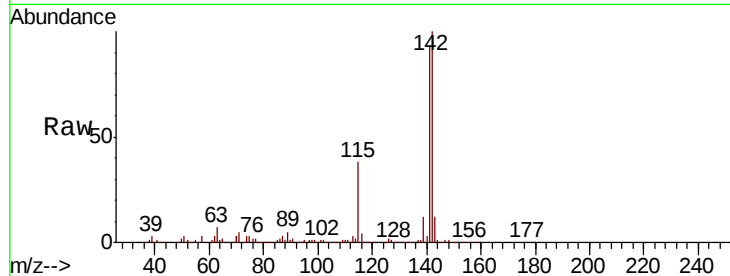




#38
1-Methylnaphthalene
Concen: 19.920 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

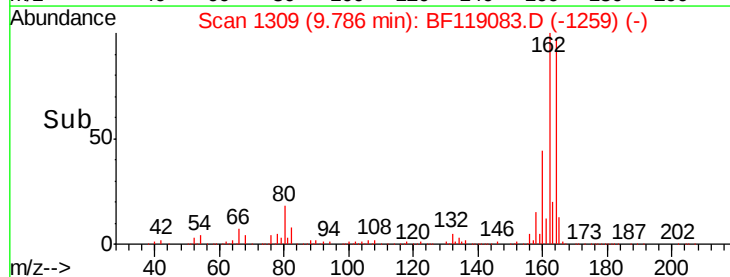
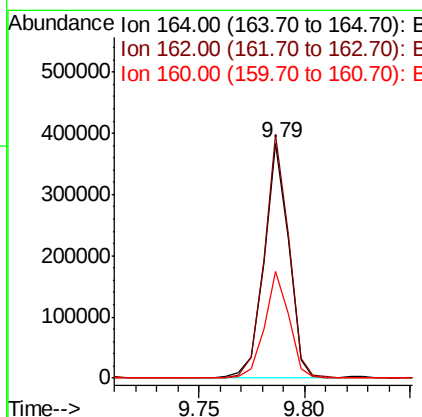
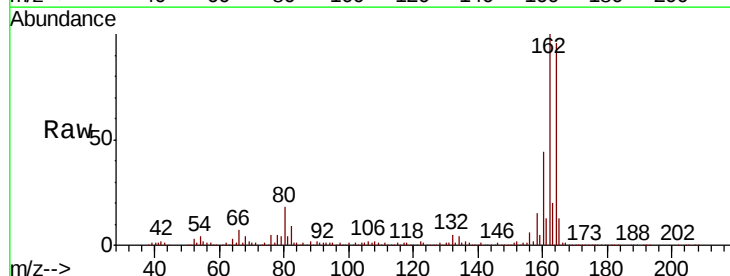
Instrument :
BNA_F
ClientSampleId :

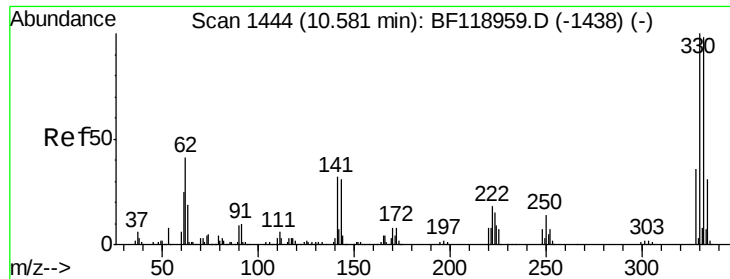
Tot Ion	Ratio	Lower	Upper
142	100		
141	93.1	73.7	110.5
116	4.1	3.0	4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.2	121.8
160	45.3	35.2	52.8

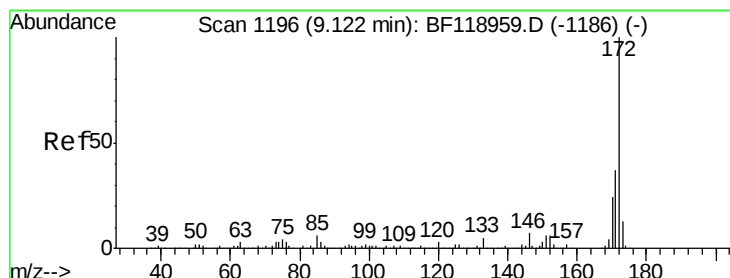
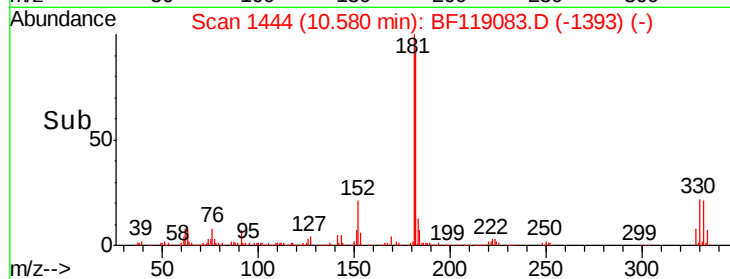
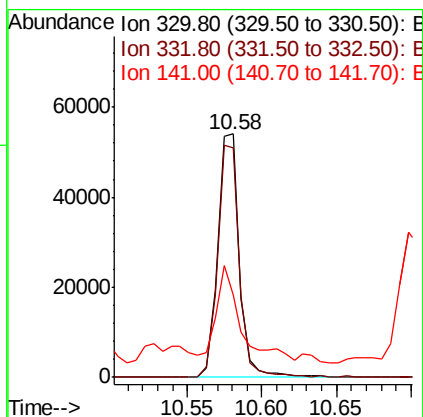
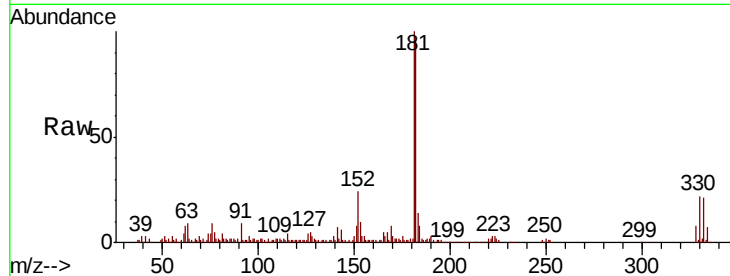




#42
 2,4,6-Tribromophenol
 Concen: 13.538 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BF119083.D
 Acq: 26 Feb 2020 00:12

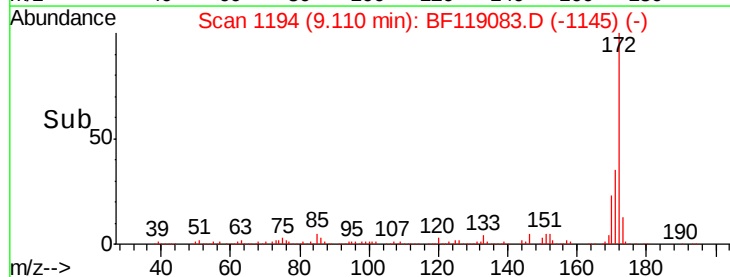
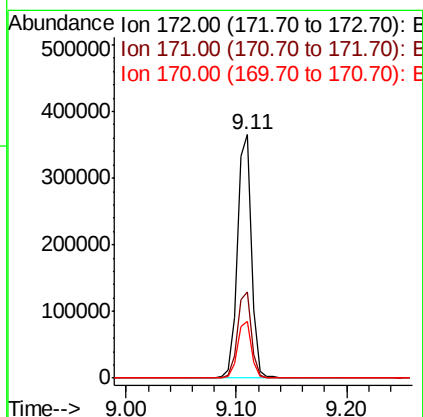
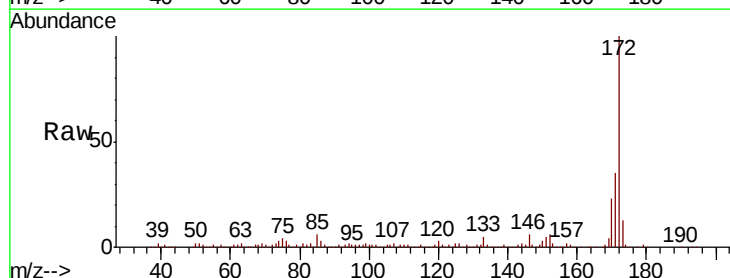
Instrument :
 BNA_F
 ClientSampleId :

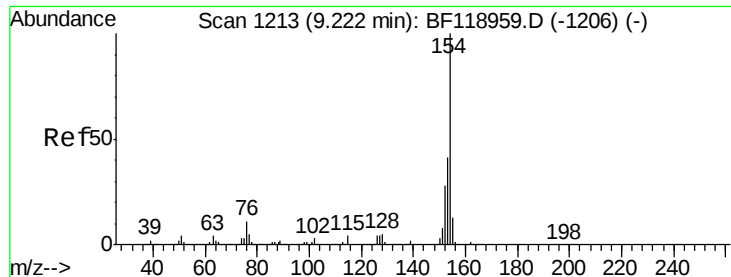
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.1	115.7
141	41.1	23.0	34.6



#45
 2-Fluorobiphenyl
 Concen: 15.607 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119083.D
 Acq: 26 Feb 2020 00:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.4	44.2
170	23.4	19.6	29.4

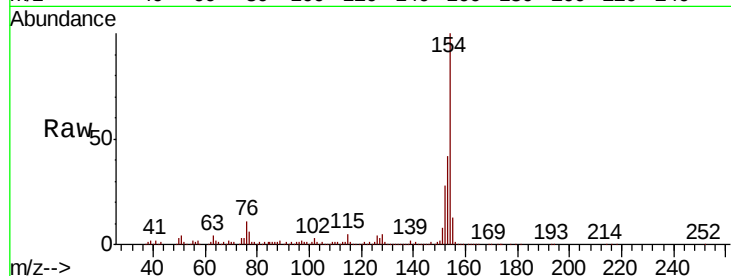




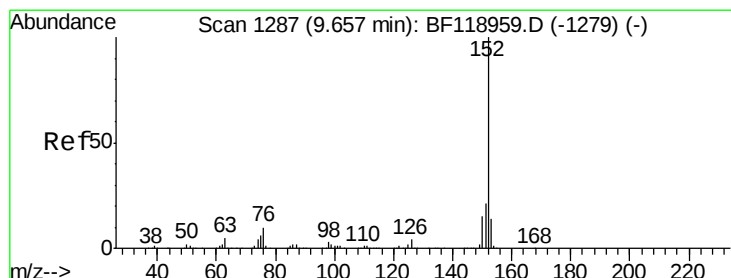
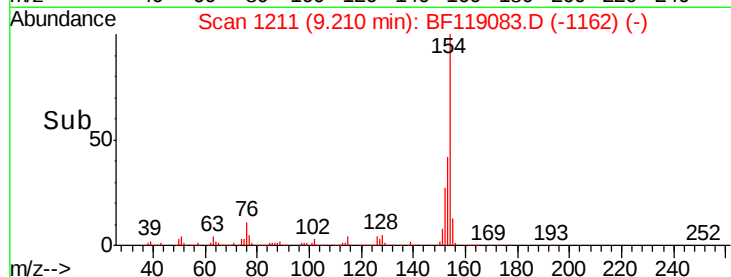
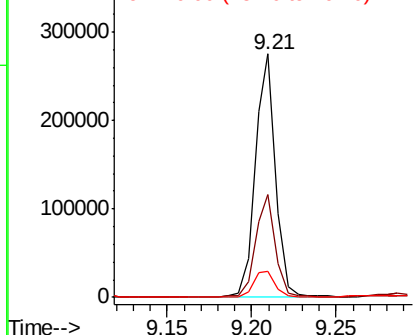
#46
 1,1'-Biphenyl
 Concen: 9.208 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF119083.D
 Acq: 26 Feb 2020 00:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 230574
 Ion Ratio Lower Upper
 154 100
 153 42.0 21.2 61.2
 76 10.6 0.0 31.1

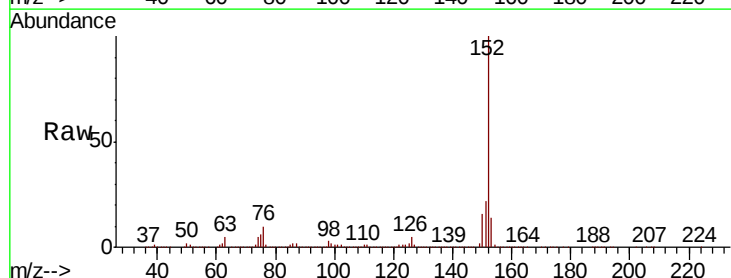


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

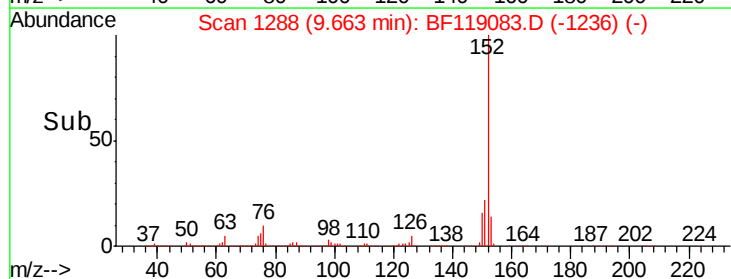
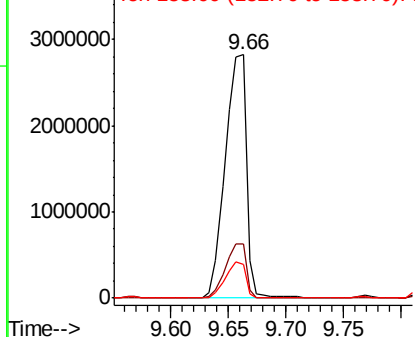


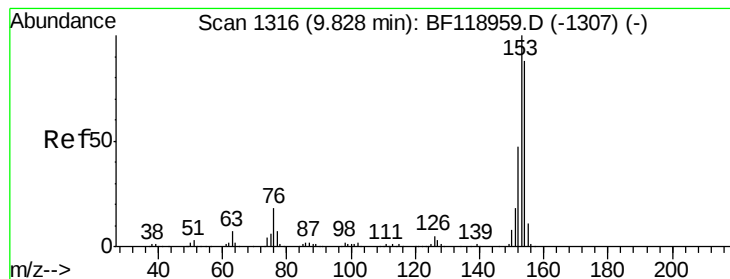
#49
 Acenaphthylene
 Concen: 123.757 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. 0.01 min
 Lab File: BF119083.D
 Acq: 26 Feb 2020 00:12

Tgt Ion:152 Resp: 3606958
 Ion Ratio Lower Upper
 152 100
 151 22.2 16.7 25.1
 153 14.1 10.9 16.3



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





#52

Acenaphthene

Concen: 10.356 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

Instrument :

BNA_F

ClientSampleId :

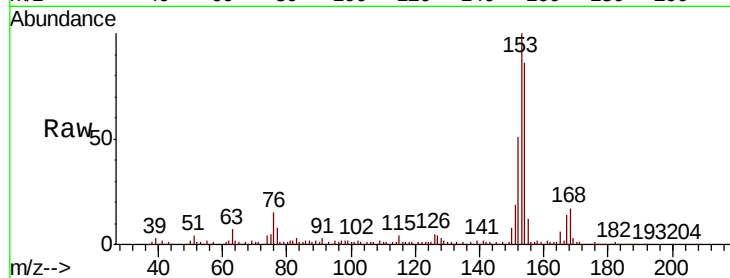
Tot Ion:154 Resp: 181999

Ion Ratio Lower Upper

154 100

153 116.8 90.4 135.6

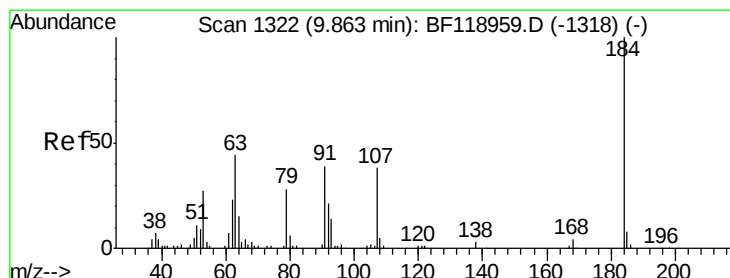
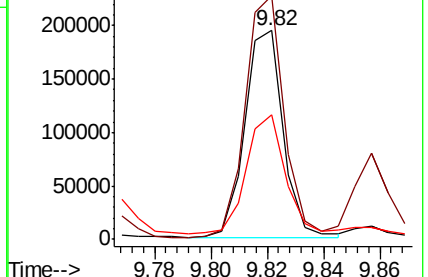
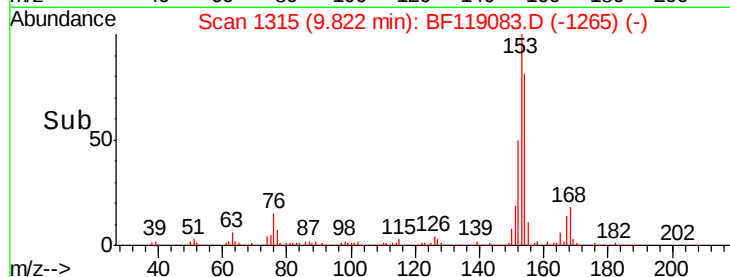
152 59.6 42.9 64.3



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



#54

2,4-Dinitrophenol

Concen: 7.676 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

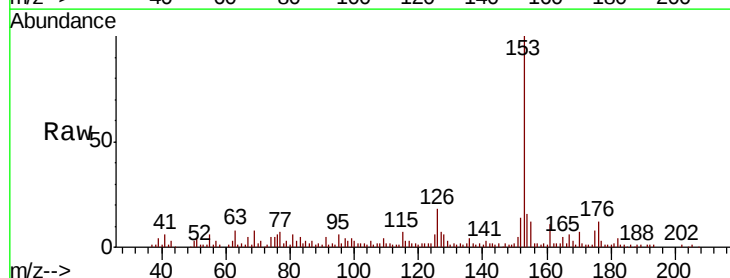
Tgt Ion:184 Resp: 567

Ion Ratio Lower Upper

184 100

63 1292.1 37.8 56.6#

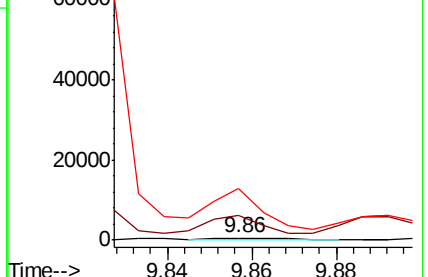
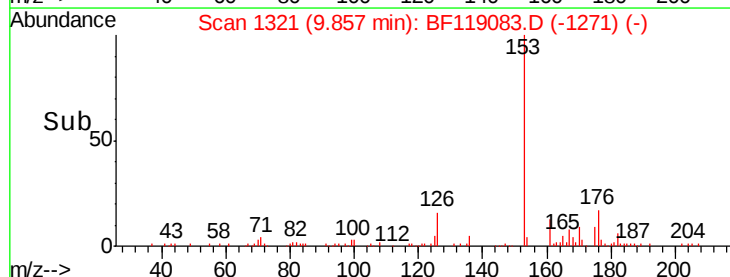
154 2640.5 47.6 71.4#

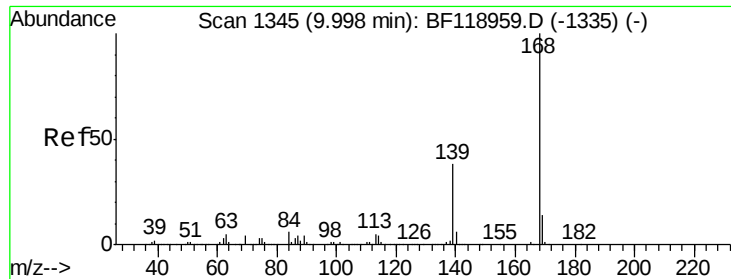


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

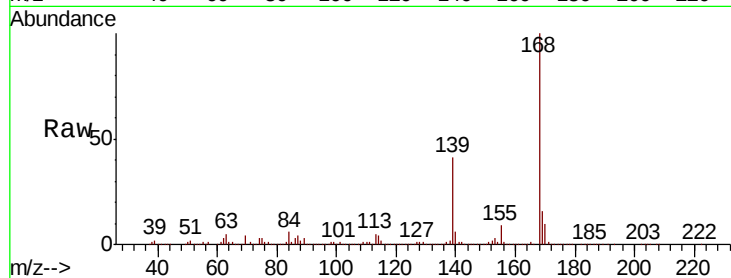




#55
Dibenzofuran
Concen: 37.457 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.3	31.7	47.5
169	15.6	11.0	16.4

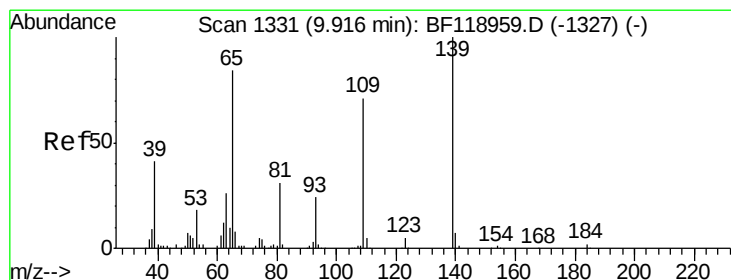
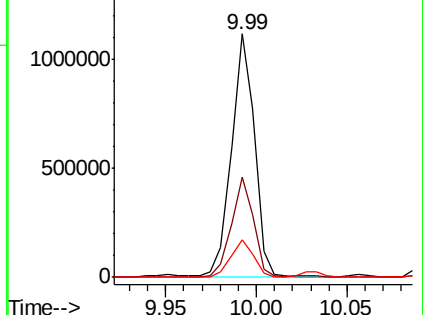
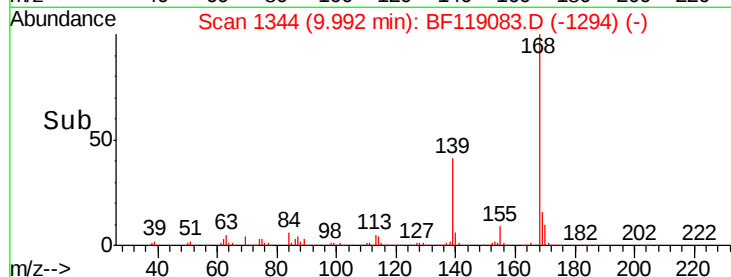


Abundance

Ion 168.00 (167.70 to 168.70): E

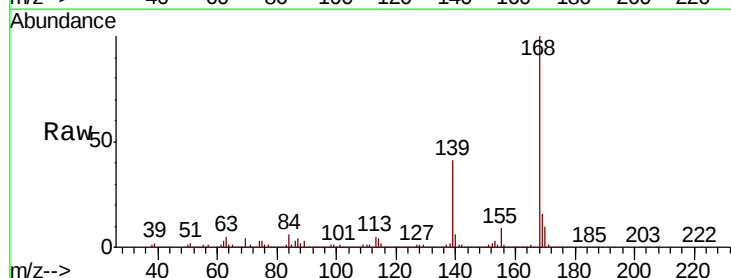
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 110.727 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.08 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.6	51.1	91.1#
65	1.7	64.7	104.7#

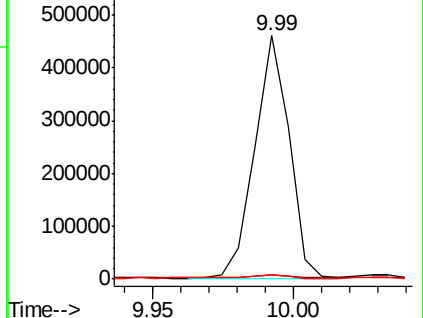
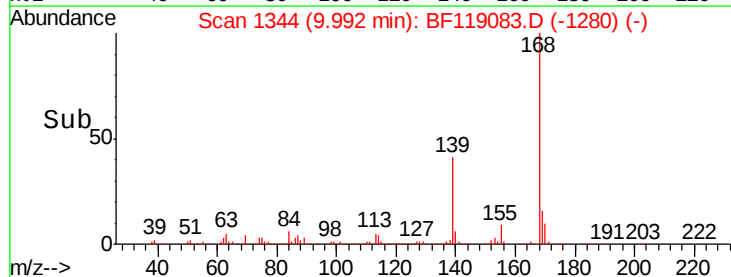


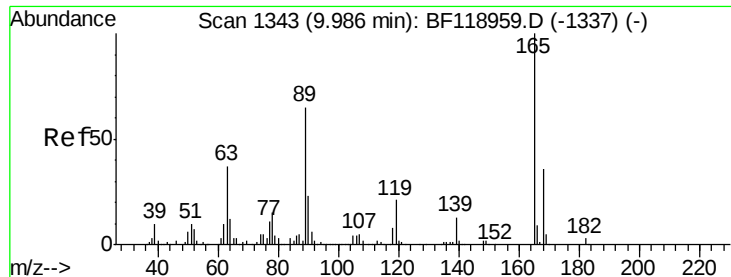
Abundance

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

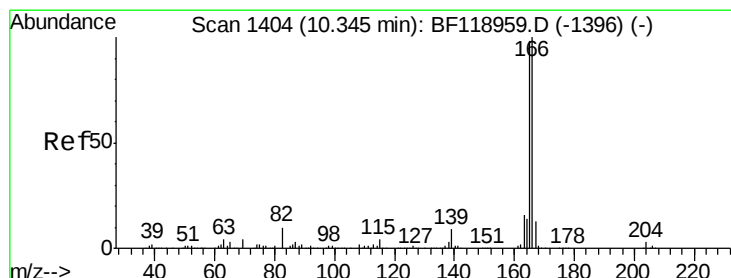
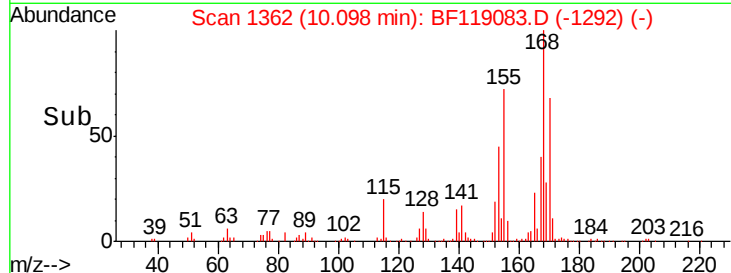
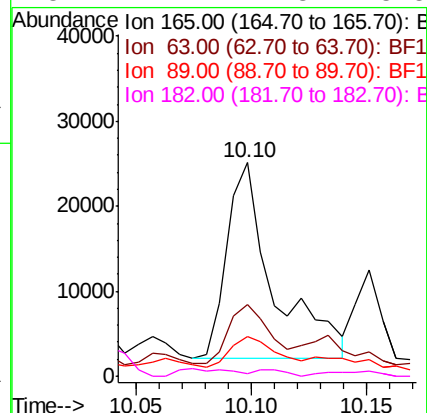
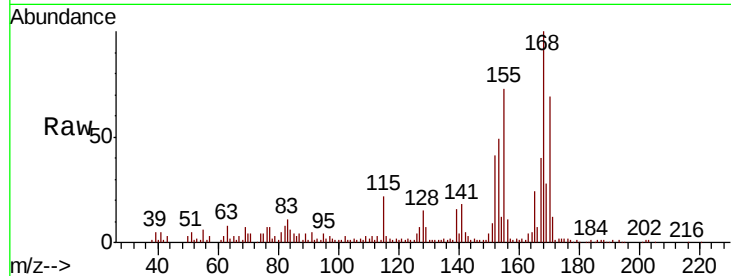




#57
2,4-Dinitrotoluene
Concen: 4.699 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.11 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

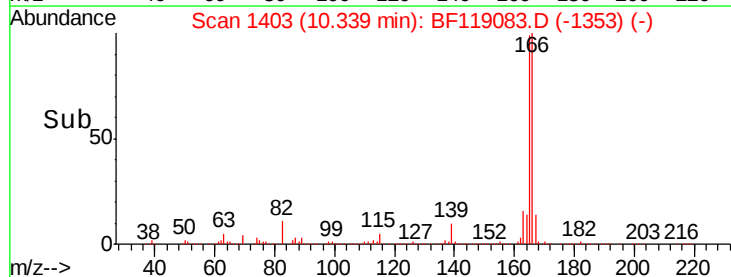
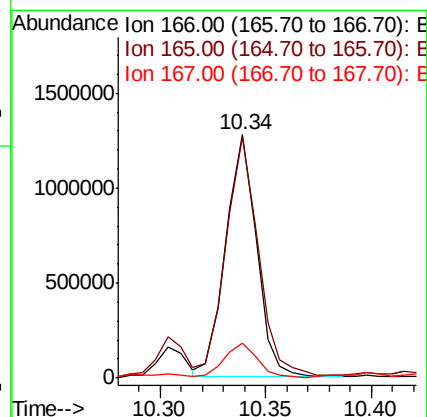
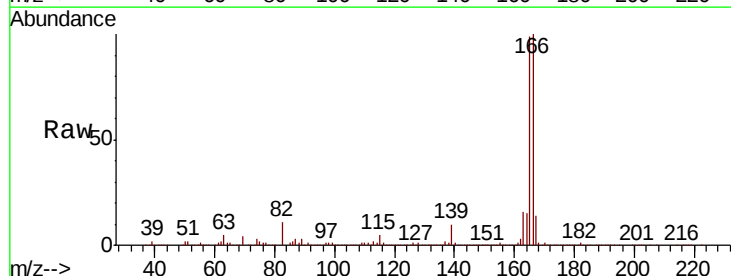
Instrument :
BNA_F
ClientSampleId :

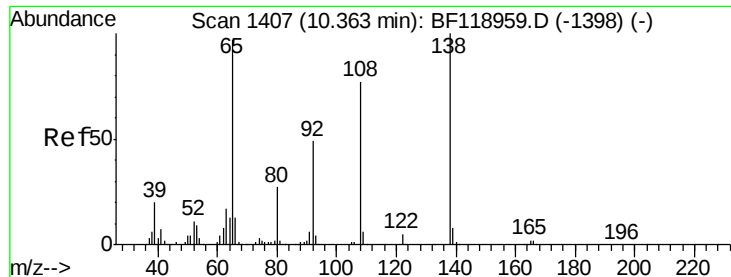
Tot Ion	Ratio	Lower	Upper
165	100		
63	33.4	29.8	44.8
89	18.6	51.9	77.9#
182	1.4	2.3	3.5#



#58
Fluorene
Concen: 63.006 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.2	117.4
167	14.3	10.6	16.0

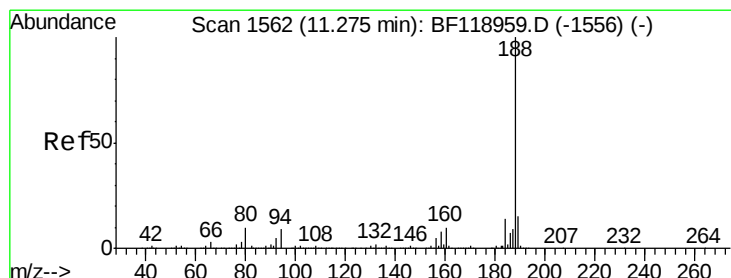
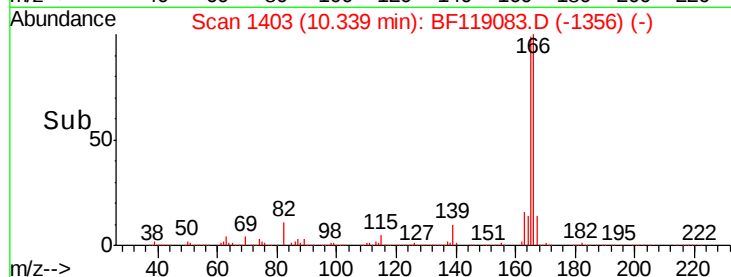
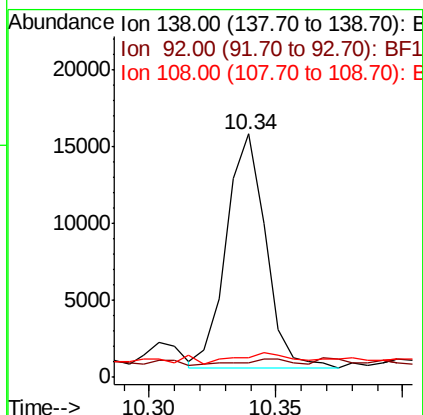
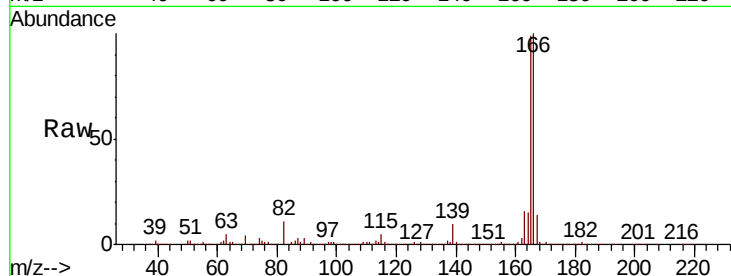




#62
4-Nitroaniline
Concen: 2.752 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

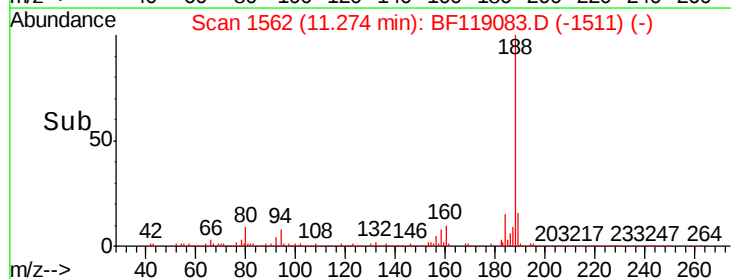
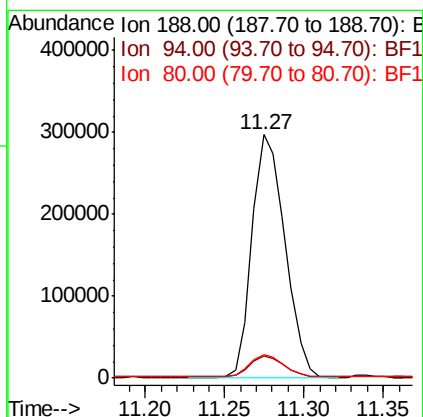
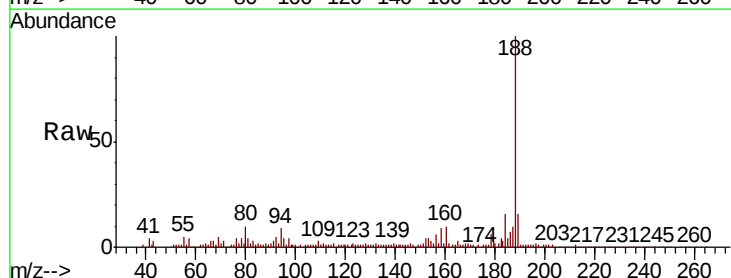
Instrument :
BNA_F
ClientSampleId :

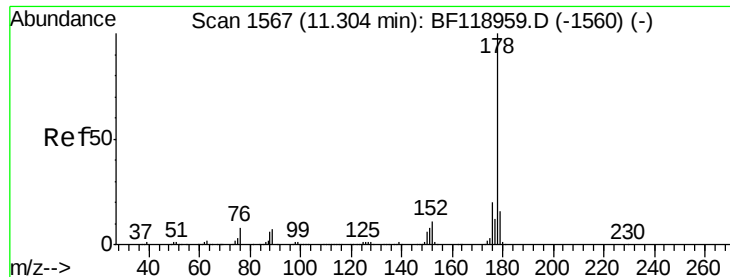
Tot Ion:138 Resp: 16428
Ion Ratio Lower Upper
138 100
92 6.0 28.7 68.7#
108 7.9 56.8 96.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Tgt Ion:188 Resp: 429415
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 9.7 7.9 11.9

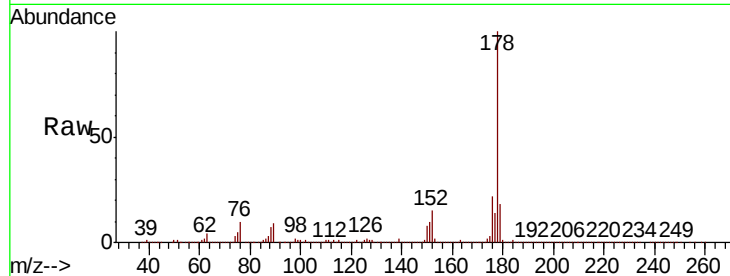




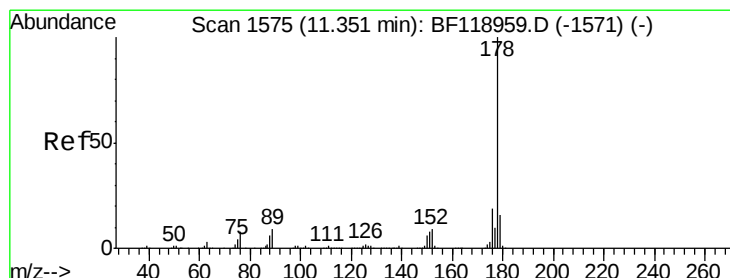
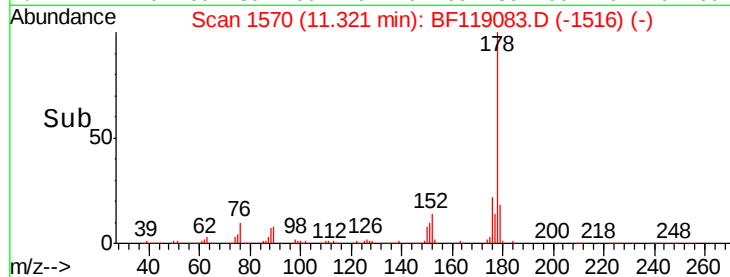
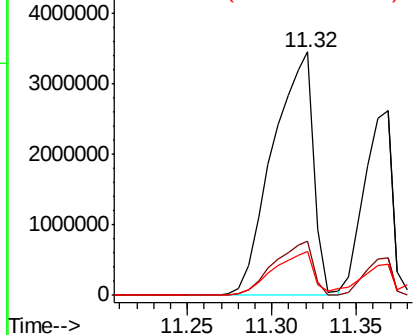
#71
 Phenanthrene
 Concen: 247.929 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: BF119083.D
 Acq: 26 Feb 2020 00:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 5806044
 Ion Ratio Lower Upper
 178 100
 176 22.4 15.6 23.4
 179 17.8 12.6 18.8

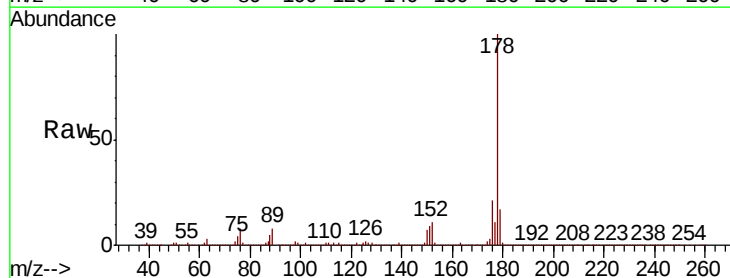


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

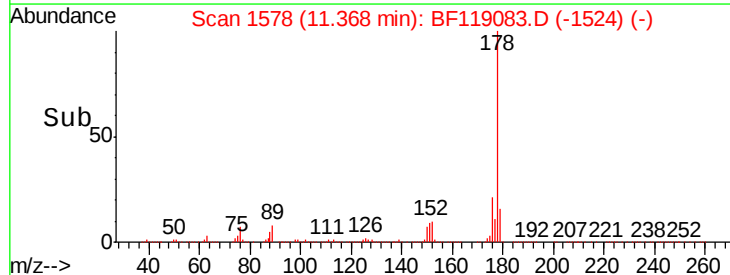
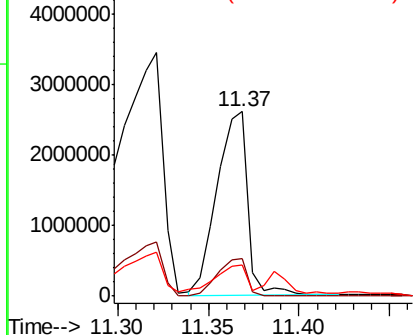


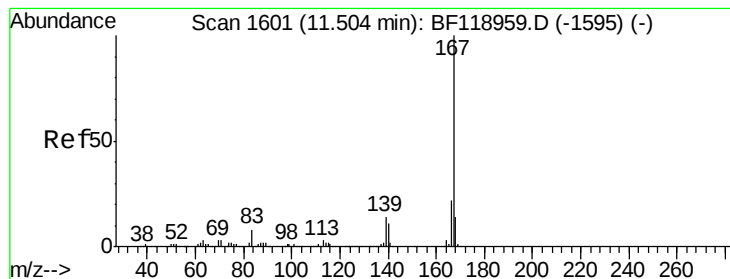
#72
 Anthracene
 Concen: 131.667 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. 0.02 min
 Lab File: BF119083.D
 Acq: 26 Feb 2020 00:12

Tgt Ion:178 Resp: 3080846
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.4 23.2
 179 16.8 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 26.029 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

Instrument :

BNA_F

ClientSampleId :

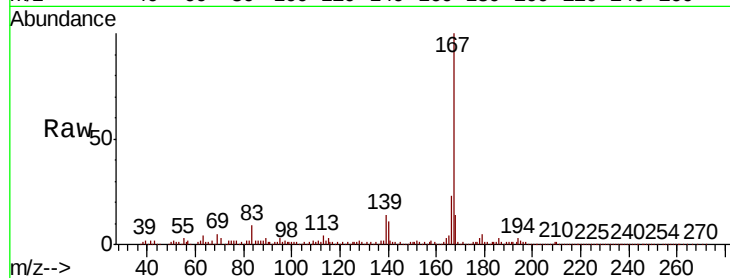
Tot Ion:167 Resp: 542582

Ion Ratio Lower Upper

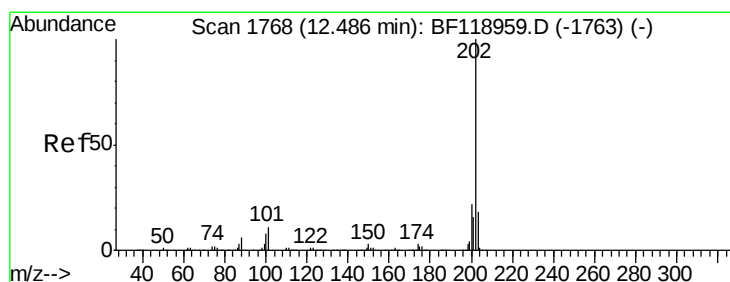
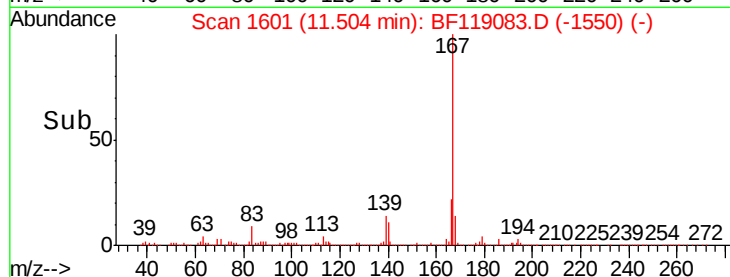
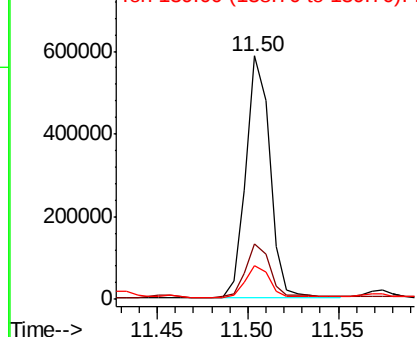
167 100

166 22.8 17.8 26.6

139 14.1 11.2 16.8



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



#75

Fluoranthene

Concen: 331.501 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.04 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

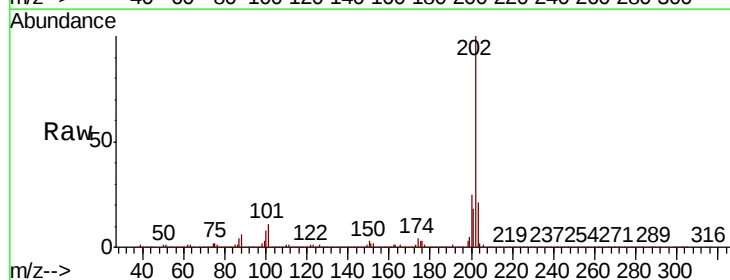
Tgt Ion:202 Resp: 8240377

Ion Ratio Lower Upper

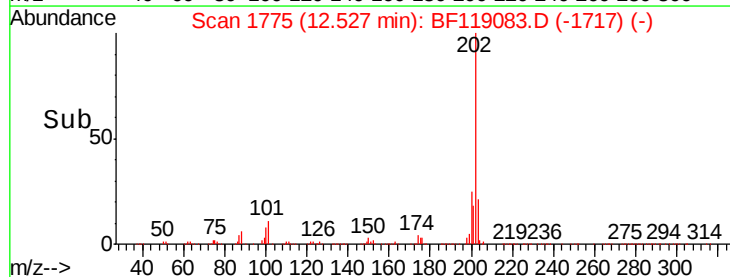
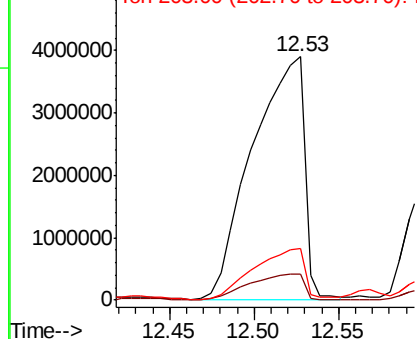
202 100

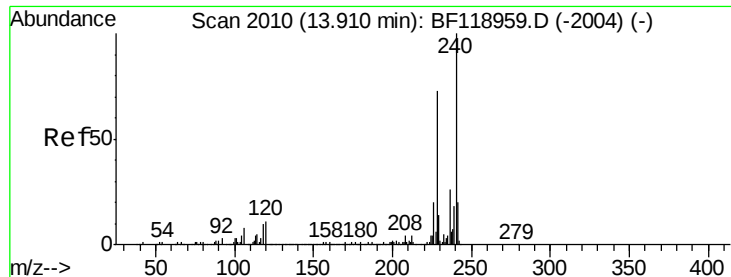
101 10.9 0.0 31.1

203 21.0 0.0 38.1



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

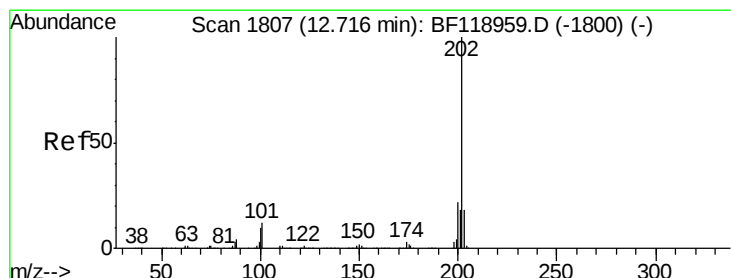
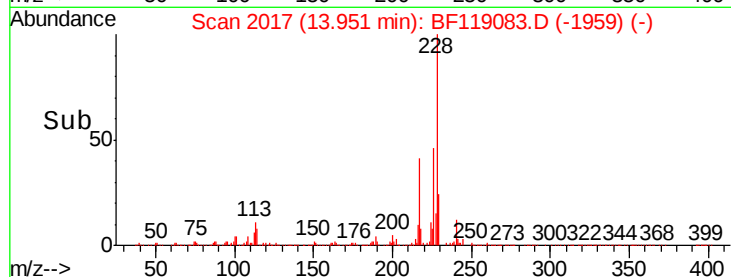
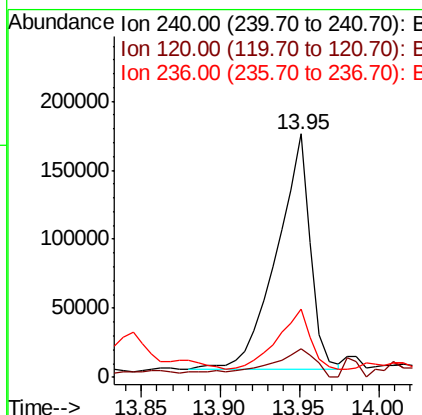
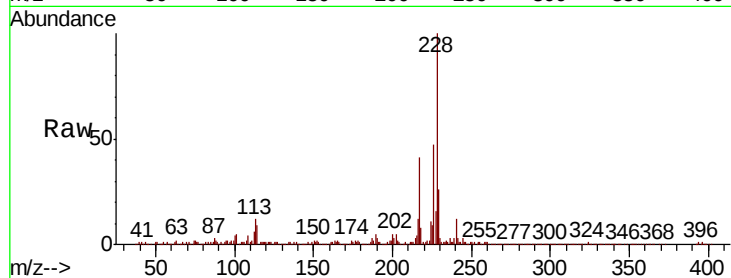




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.04 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

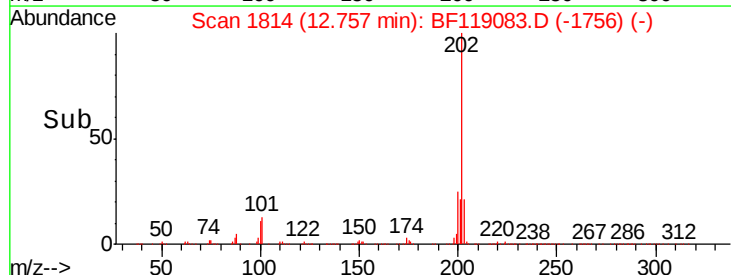
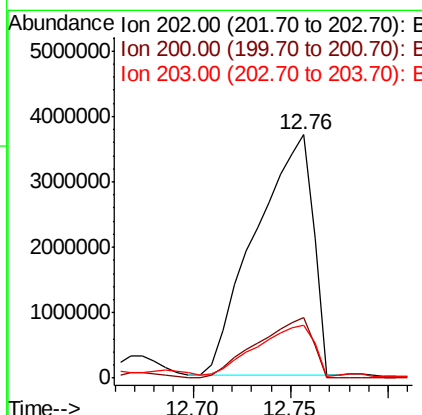
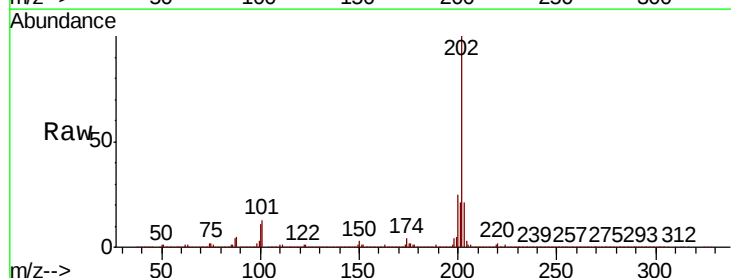
Instrument :
BNA_F
ClientSampleId :

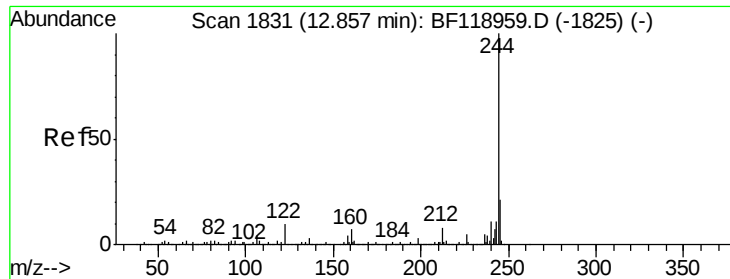
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.9	13.3
236	28.2	20.6	30.8



#78
Pyrene
Concen: 374.499 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.04 min
Lab File: BF119083.D
Acq: 26 Feb 2020 00:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	25.0	17.4	26.0
203	21.5	14.5	21.7





#79

Terphenyl-d14

Concen: 17.254 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

Instrument :

BNA_F

ClientSampleId :

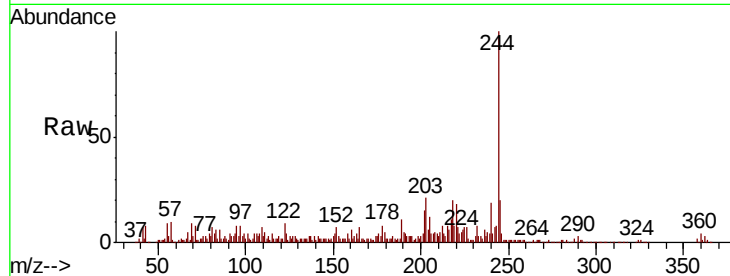
Tot Ion:244 Resp: 250076

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

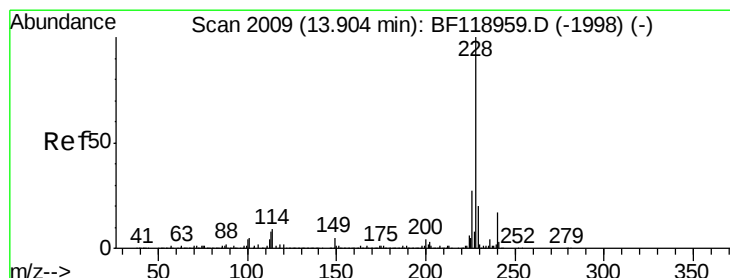
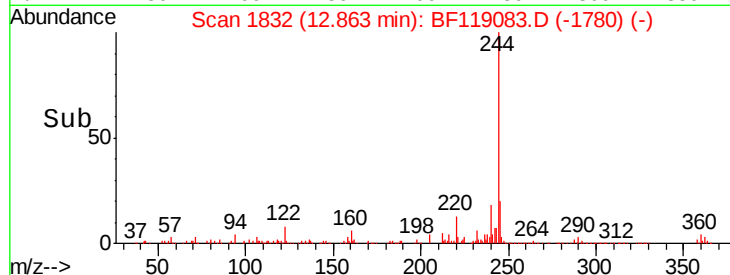
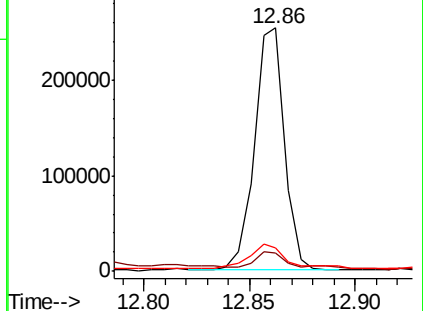
122 9.5 8.4 12.6



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



#81

Benzo(a)anthracene

Concen: 378.916 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.04 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

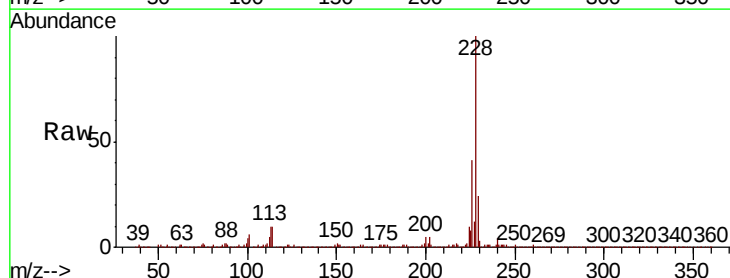
Tgt Ion:228 Resp: 6442347

Ion Ratio Lower Upper

228 100

226 40.5 21.8 32.8#

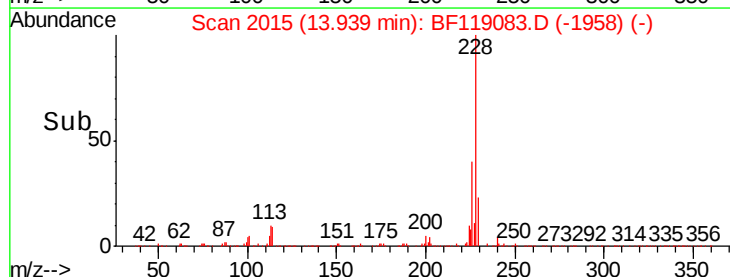
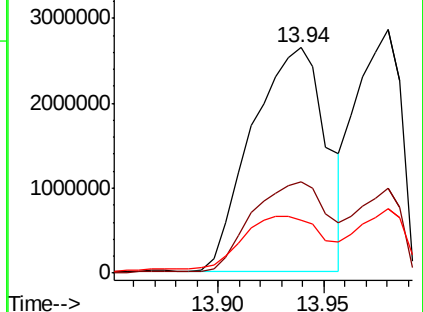
229 23.6 16.0 24.0

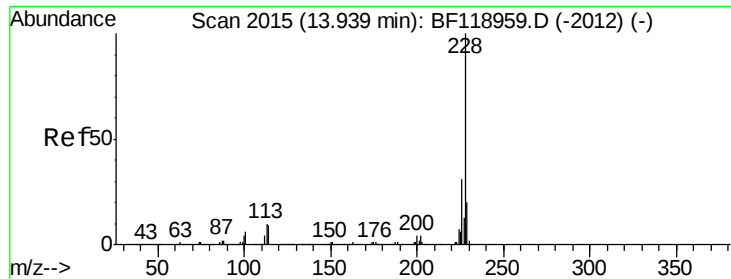


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrvsene

Concen: 247.650 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.04 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

Instrument :

BNA_F

ClientSampleId :

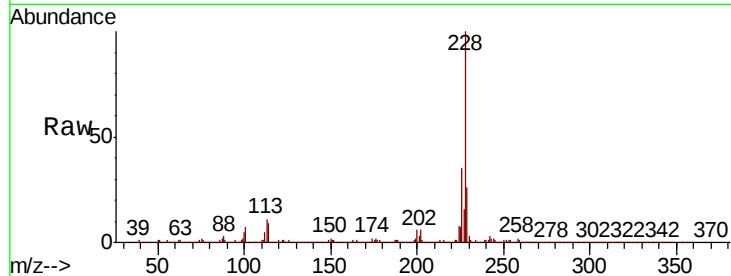
Tot Ion:228 Resp: 4195469

Ion Ratio Lower Upper

228 100

226 35.0 24.6 37.0

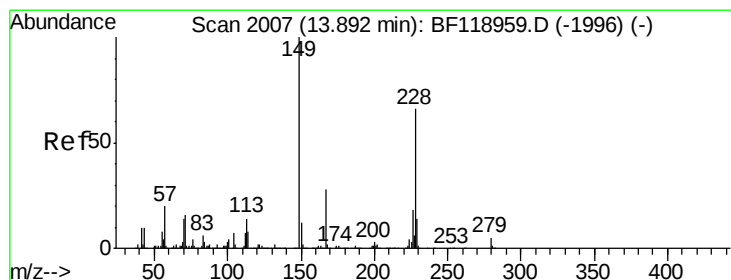
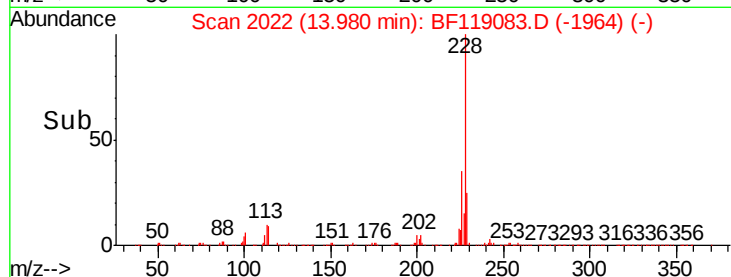
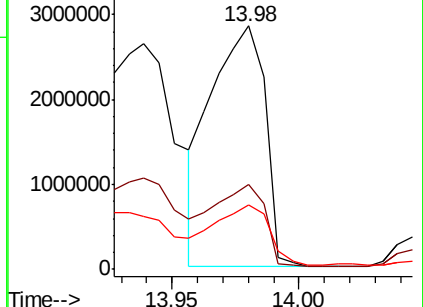
229 26.3 16.2 24.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.501 ng

RT: 13.93 min Scan# 2014

Delta R.T. 0.04 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

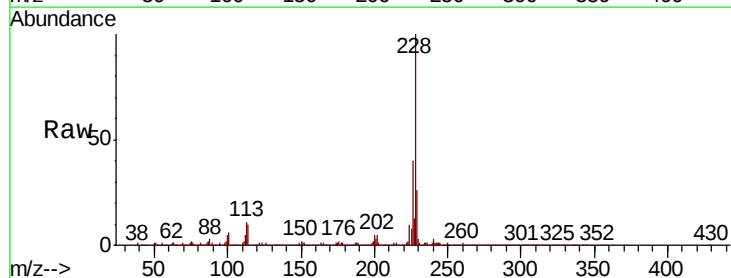
Tgt Ion:149 Resp: 26644

Ion Ratio Lower Upper

149 100

167 25.1 22.3 33.5

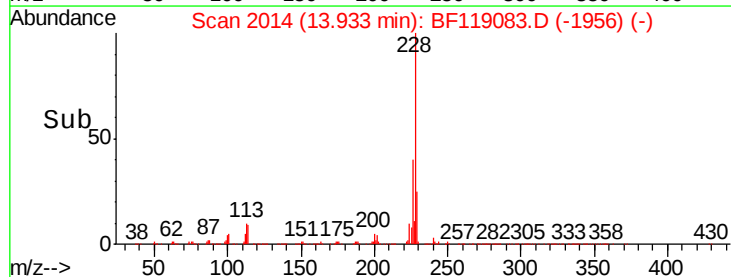
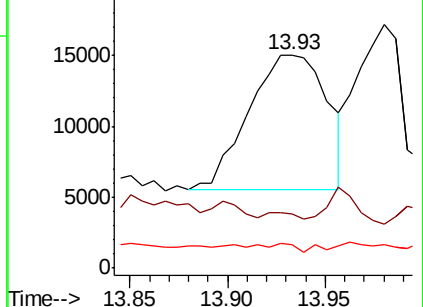
279 10.9 4.2 6.4#

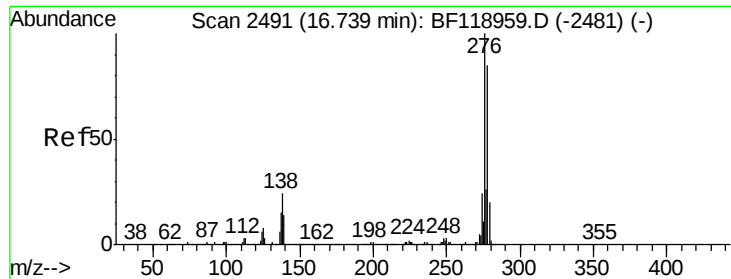


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

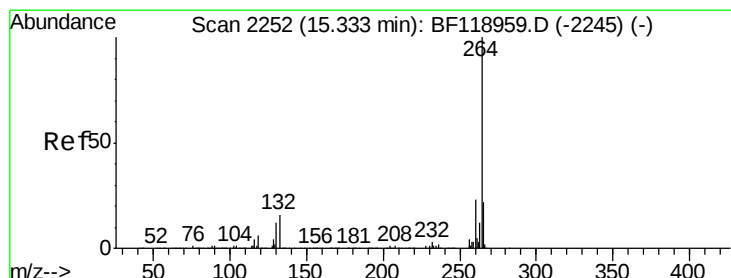
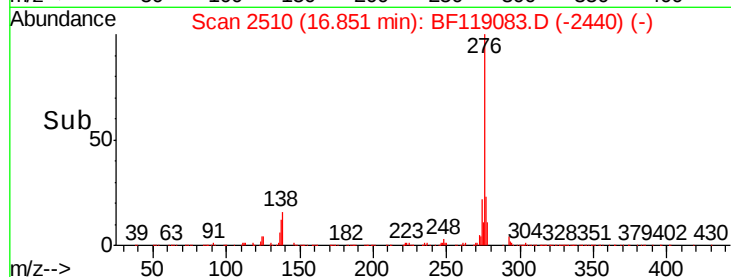
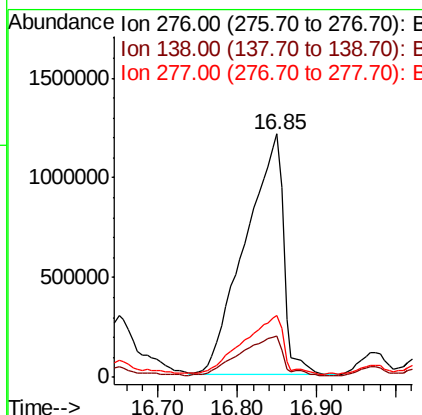
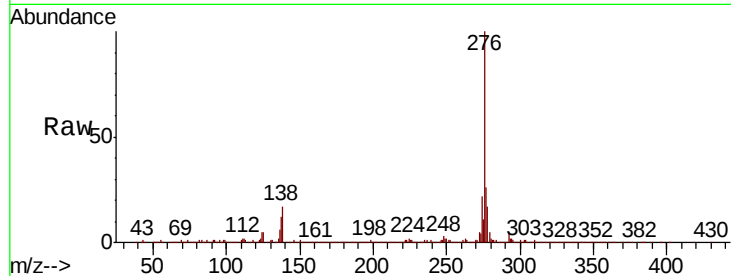




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 248.476 ng
 RT: 16.85 min Scan# 2510
 Delta R.T. 0.11 min
 Lab File: BF119083.D
 Acq: 26 Feb 2020 00:12

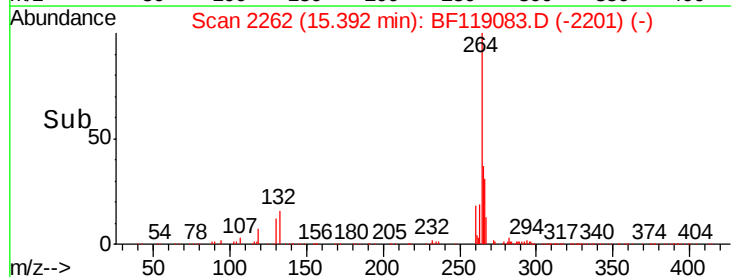
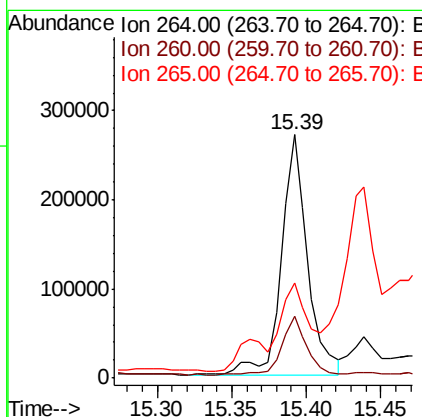
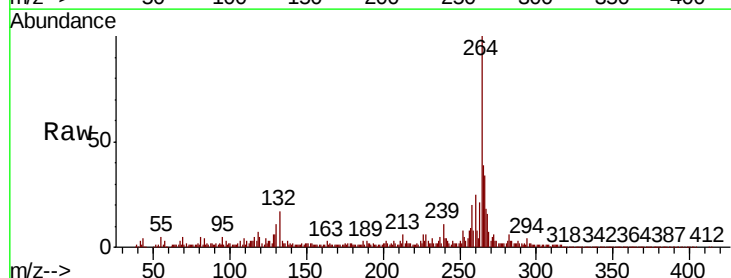
Instrument :
 BNA_F
 ClientSampleId :

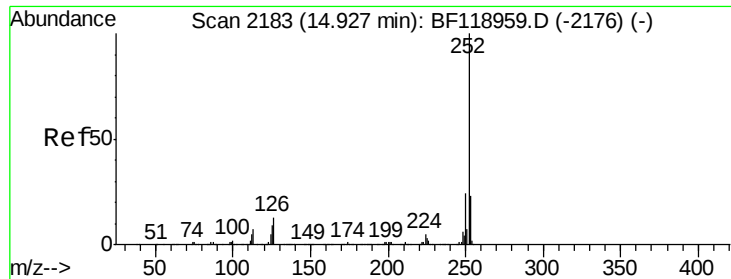
Tot Ion:276 Resp: 4075918
 Ion Ratio Lower Upper
 276 100
 138 18.8 18.7 28.1
 277 24.8 20.3 30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2262
 Delta R.T. 0.06 min
 Lab File: BF119083.D
 Acq: 26 Feb 2020 00:12

Tgt Ion:264 Resp: 333411
 Ion Ratio Lower Upper
 264 100
 260 25.2 18.6 28.0
 265 39.3 17.3 25.9#





#88

Benzo(b)fluoranthene

Concen: 441.638 ng

RT: 14.99 min Scan# 2194

Delta R.T. 0.06 min

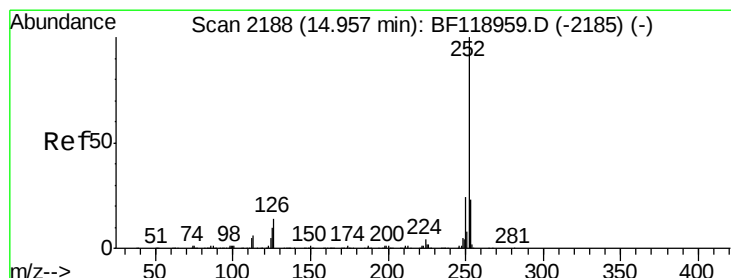
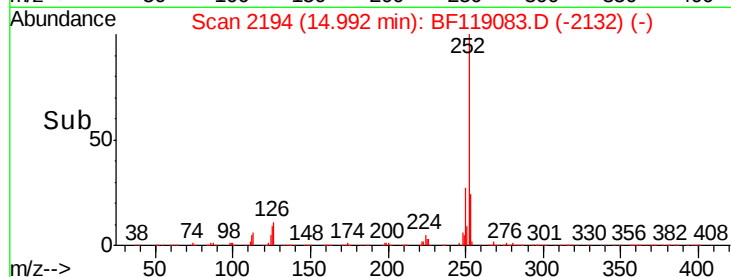
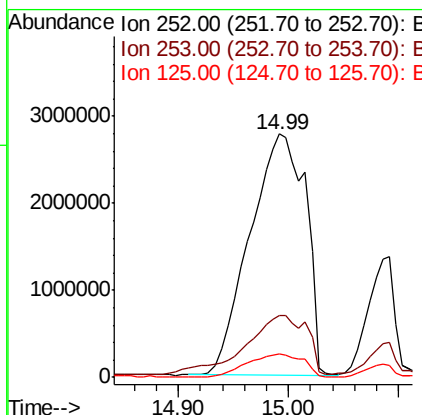
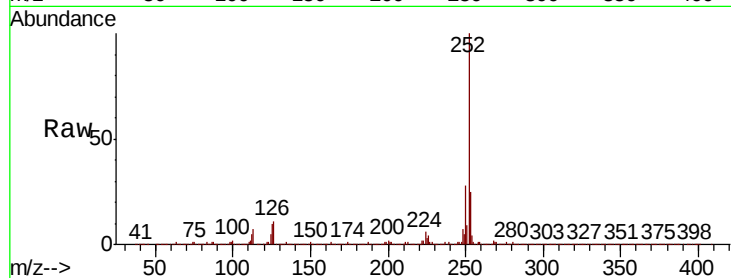
Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 9705710

Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.2	27.2
125	9.6	7.4	11.0



#89

Benzo(k)fluoranthene

Concen: 476.560 ng

RT: 14.99 min Scan# 2194

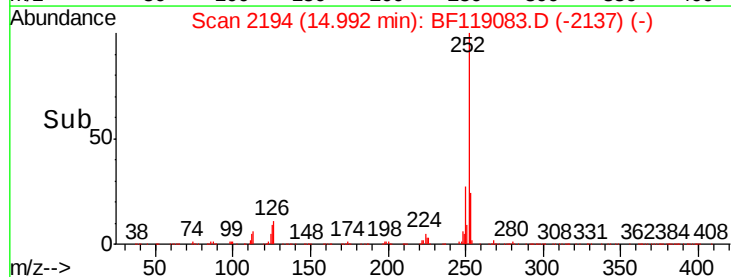
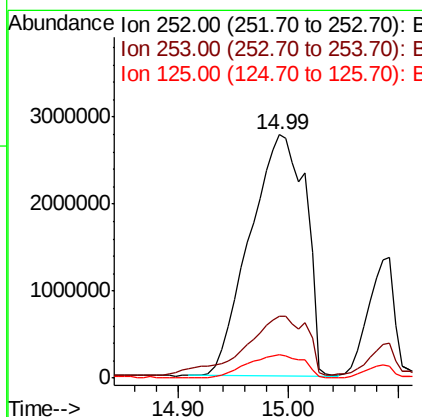
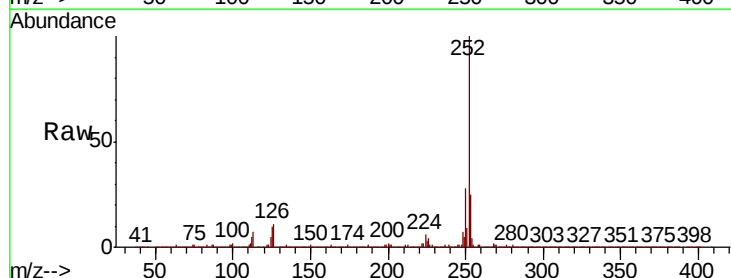
Delta R.T. 0.04 min

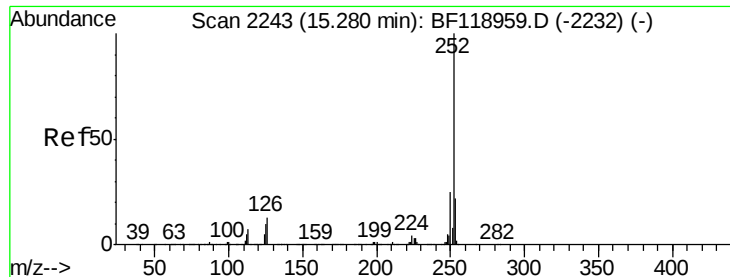
Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

Tgt Ion:252 Resp: 9705710

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	9.6	7.3	10.9





#90

Benzo(a)pyrene

Concen: 286.743 ng

RT: 15.35 min Scan# 2255

Delta R.T. 0.07 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

Instrument :

BNA_F

ClientSampleId :

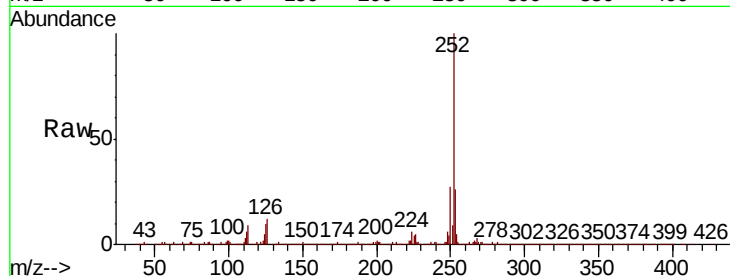
Tot Ion:252 Resp: 5687383

Ion Ratio Lower Upper

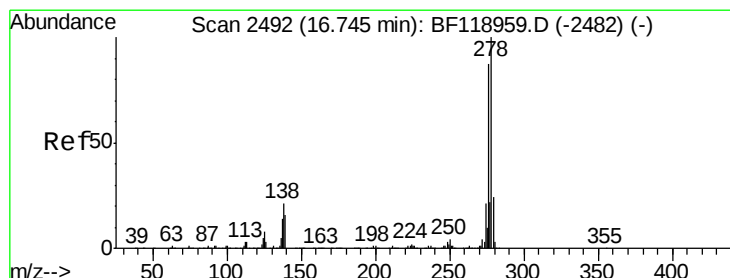
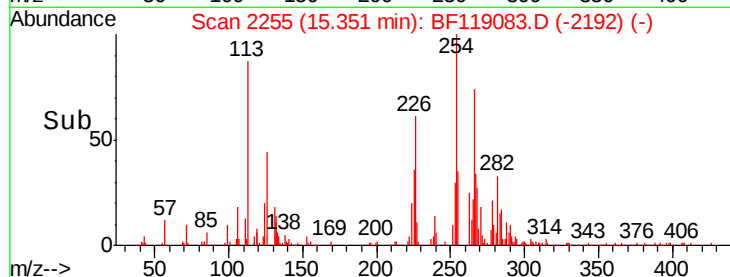
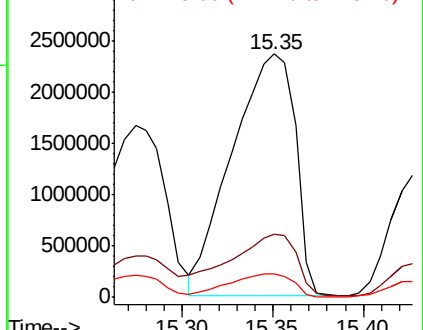
252 100

253 26.0 17.9 26.9

125 9.8 7.8 11.6



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: 58.611 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.23 min

Lab File: BF119083.D

Acq: 26 Feb 2020 00:12

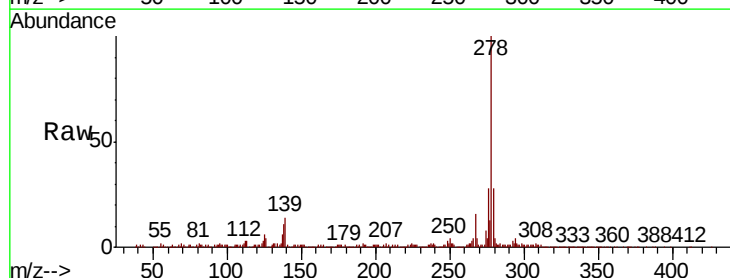
Tgt Ion:278 Resp: 1022879

Ion Ratio Lower Upper

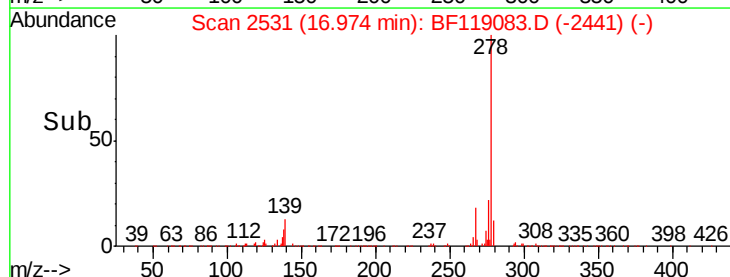
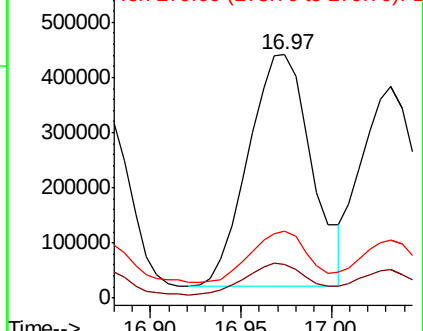
278 100

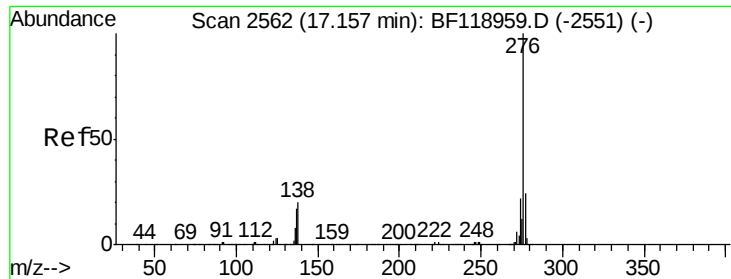
139 13.9 12.6 18.8

279 27.6 19.0 28.6



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

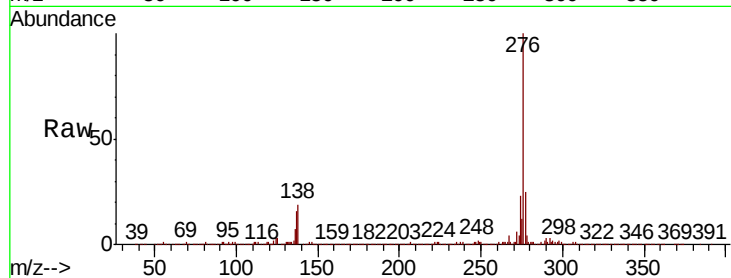




#92
 Benzo(a,h,i)perylene
 Concen: 225.526 ng
 RT: 17.28 min Scan# 2583
 Delta R.T. 0.12 min
 Lab File: BF119083.D
 Acq: 26 Feb 2020 00:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 3888859
 Ion Ratio Lower Upper
 276 100
 277 25.0 19.2 28.8
 138 18.5 16.2 24.4



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

