

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118627.D
 Acq On : 21 Jan 2020 9:27
 Operator : CG/JU
 Sample : L1148-03 20X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 10:01:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	352476	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1224215	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	632657	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	937736	20.00	ng	0.00
76) Chrysene-d12	14.06	240	732845	20.00	ng	0.02
87) Perylene-d12	15.53	264	808999	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	108263	5.70	ng	0.00
7) Phenol-d6	6.50	99	143355	5.81	ng	-0.01
23) Nitrobenzene-d5	7.43	82	73760	3.37	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	27174	3.71	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	157153	4.08	ng	0.00
79) Terphenyl-d14	12.99	244	150355	4.47	ng	0.00

Target Compounds

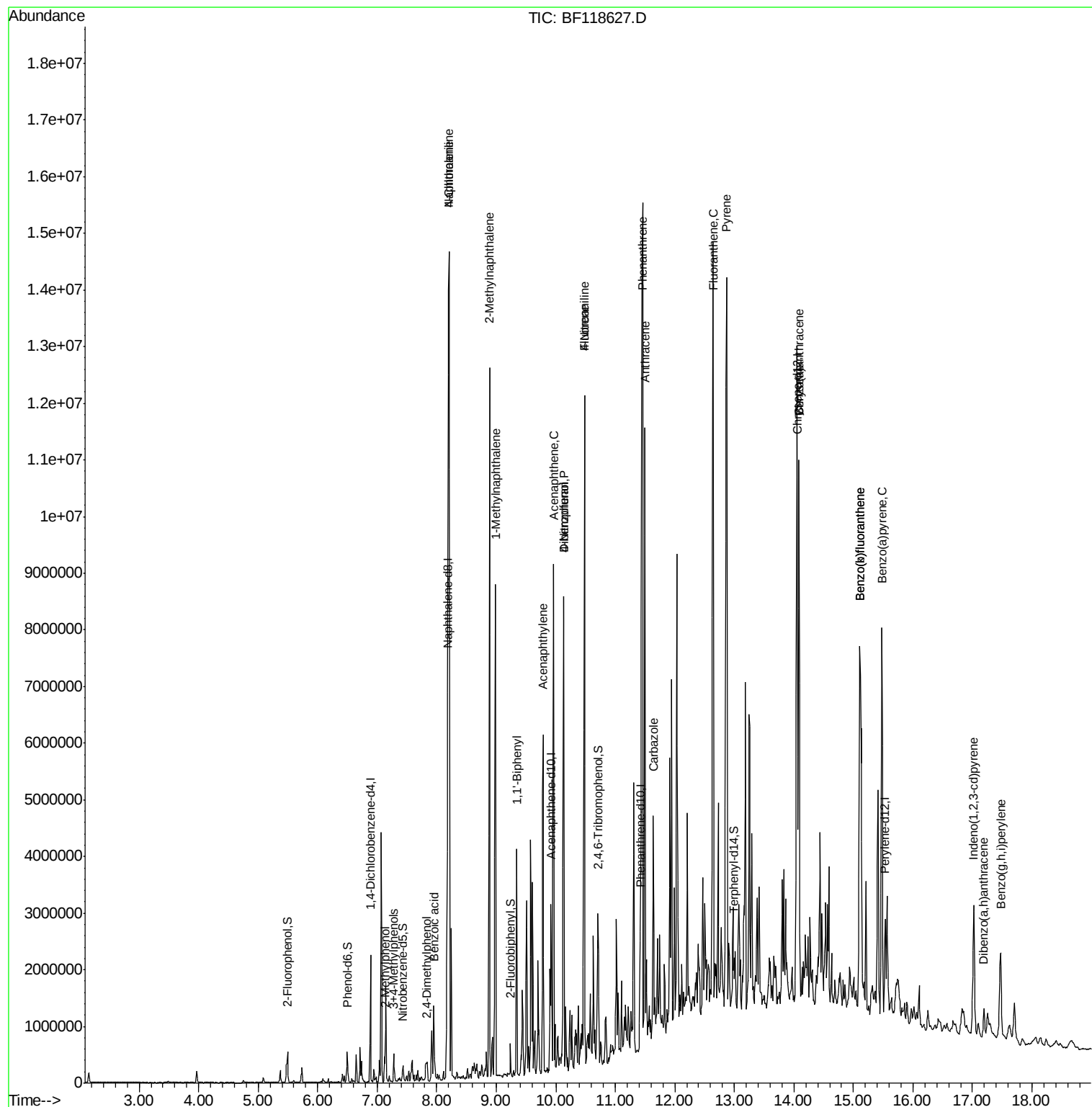
						Qvalue
17) 2-Methylphenol	7.13	107	84083	4.739	ng	98
20) 3+4-Methylphenols	7.28	107	91296	4.214	ng	# 71
27) 2,4-Dimethylphenol	7.83	122	82934	5.025	ng	# 92
31) Naphthalene	8.21	128	12026213	217.464	ng	# 89
32) Benzoic acid	7.95	122	105537	8.521	ng	# 18
33) 4-Chloroaniline	8.21	127	2166083	84.743	ng	# 35
37) 2-Methylnaphthalene	8.89	142	3618708	92.703	ng	97
38) 1-Methylnaphthalene	8.99	142	2419482	65.241	ng	100
46) 1,1'-Biphenyl	9.35	154	1194921	27.405	ng	95
49) Acenaphthylene	9.79	152	2024037	39.148	ng	97
52) Acenaphthene	9.96	154	1950647	56.423	ng	97
55) Dibenzofuran	10.13	168	3160341	65.964	ng	98
56) 4-Nitrophenol	10.13	139	1228727	154.436	ng	# 6
58) Fluorene	10.48	166	3711095	98.668	ng	99
62) 4-Nitroaniline	10.48	138	46644	4.315	ng	# 21
71) Phenanthrene	11.46	178	8950751	197.849	ng	91
72) Anthracene	11.50	178	3887886	86.851	ng	98
73) Carbazole	11.64	167	1458126	35.512	ng	97
75) Fluoranthene	12.64	202	7013991	146.996	ng	94
78) Pvrene	12.87	202	6773816	136.147	ng	94
81) Benzo(a)anthracene	14.09	228	3392958	76.965	ng	91
83) Chrysene	14.09	228	3392958	80.306	ng	96
86) Indeno(1,2,3-cd)pyrene	17.02	276	1608509	43.815	ng	97
88) Benzo(b)fluoranthene	15.11	252	6011655	118.220	ng	# 96
89) Benzo(k)fluoranthene	15.11	252	6011655	127.604	ng	97
90) Benzo(a)pyrene	15.48	252	3544820	80.810	ng	97
91) Dibenzo(a,h)anthracene	17.19	278	414712	10.688	ng	95
92) Benzo(g,h,i)perylene	17.47	276	1374713	36.489	ng	98

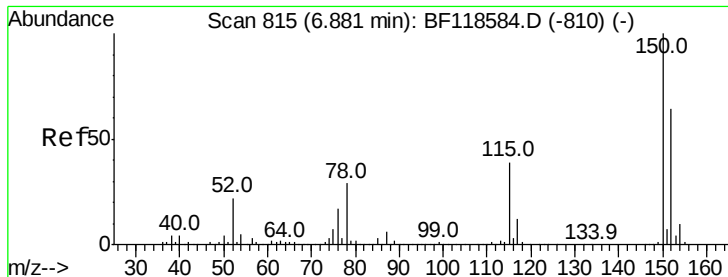
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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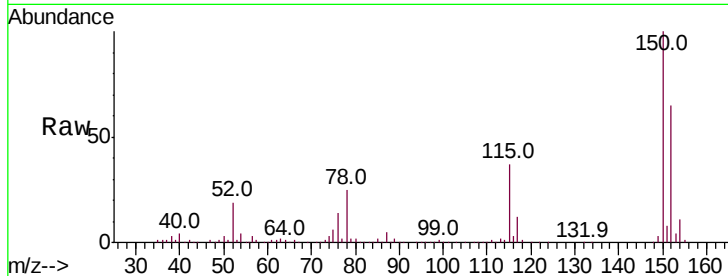


#1

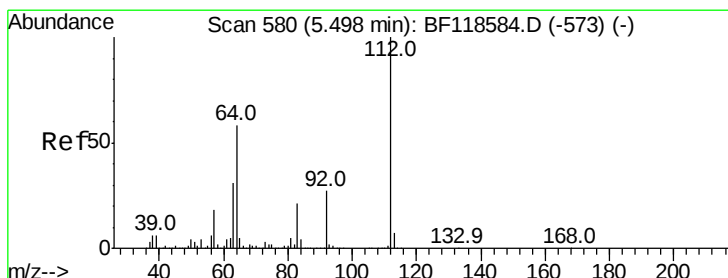
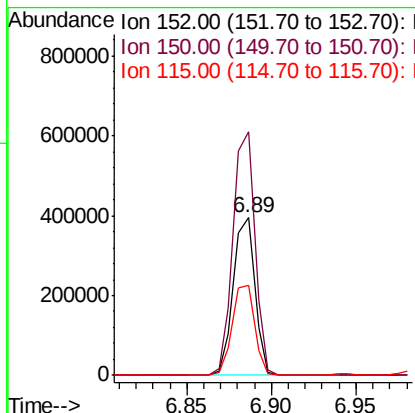
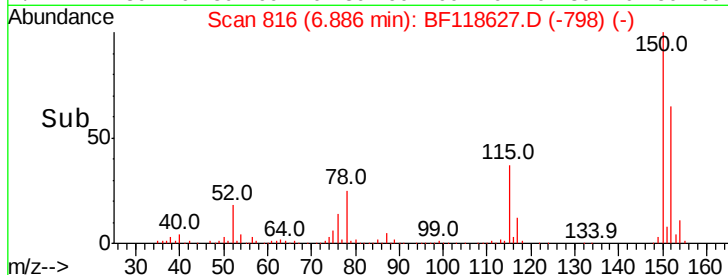
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF118627.D
Acq: 21 Jan 2020 9:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 352476
Ion Ratio Lower Upper
152 100
150 154.7 125.6 188.4
115 57.1 48.4 72.6



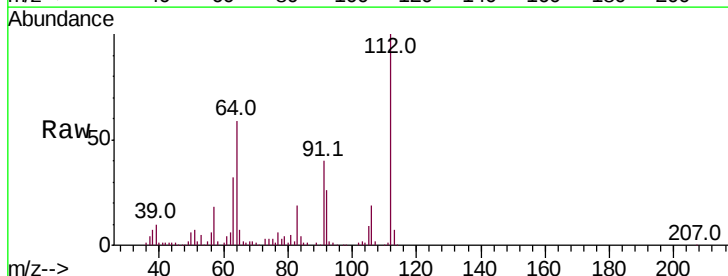
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



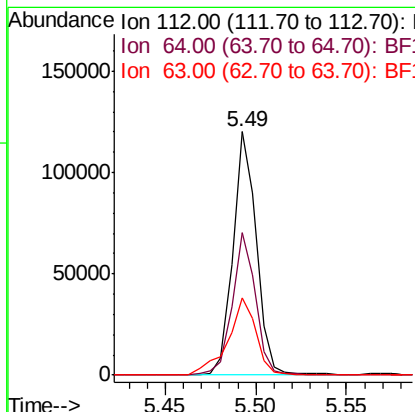
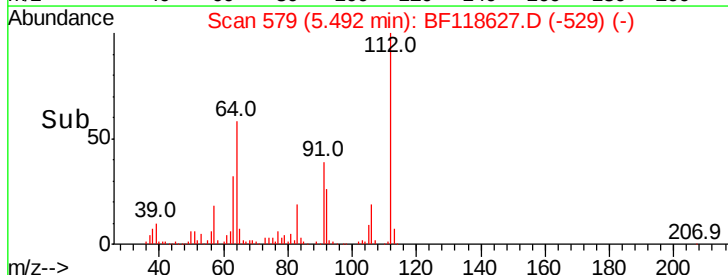
#5

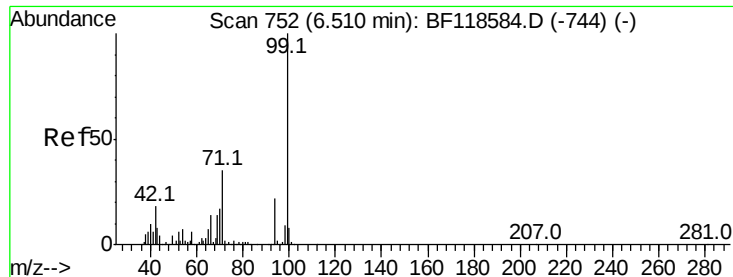
2-Fluorophenol
Concen: 5.705 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF118627.D
Acq: 21 Jan 2020 9:27

Tgt Ion:112 Resp: 108263
Ion Ratio Lower Upper
112 100
64 58.6 46.6 70.0
63 31.8 25.1 37.7



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: 5.812 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

Instrument :

BNA_F

ClientSampleId :

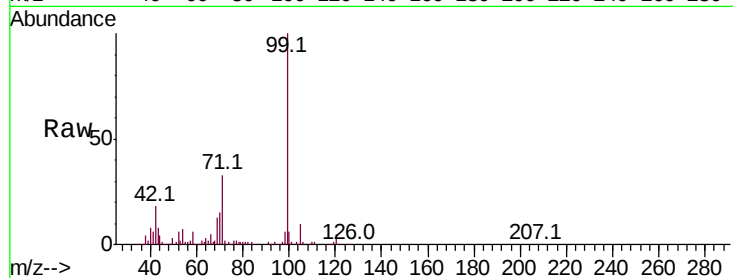
Tot Ion: 99 Resp: 143355

Ion Ratio Lower Upper

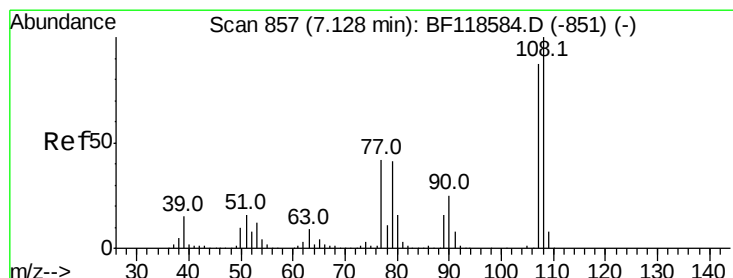
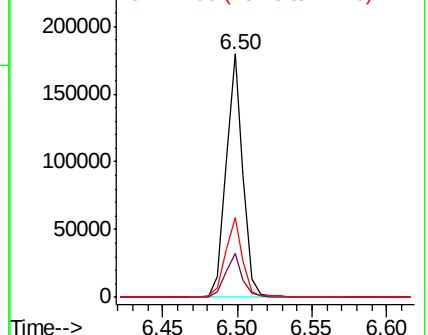
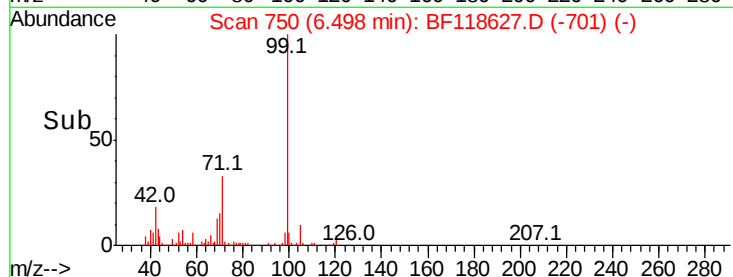
99 100

42 17.9 14.2 21.2

71 32.7 27.8 41.6



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



#17

2-Methylphenol

Concen: 4.739 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

Tgt Ion: 107 Resp: 84083

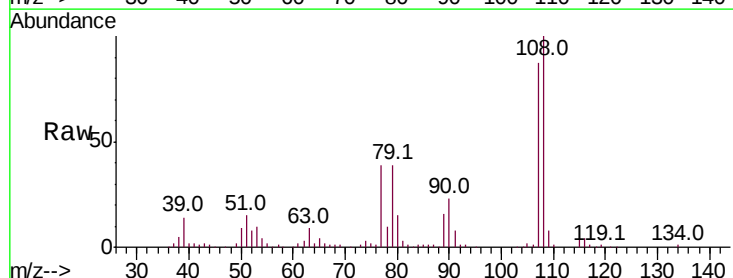
Ion Ratio Lower Upper

107 100

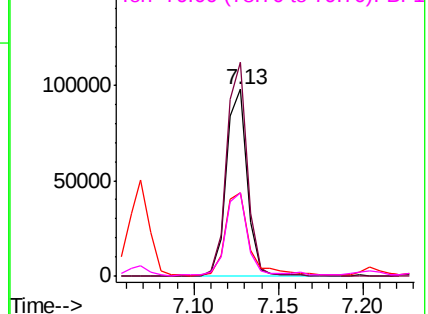
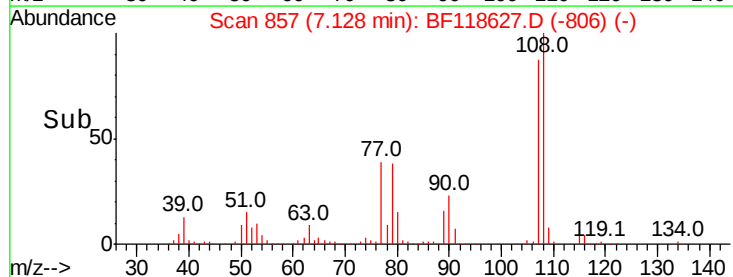
108 114.7 91.5 137.3

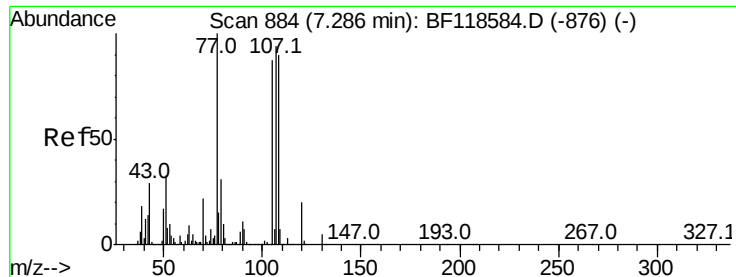
77 44.8 38.7 58.1

79 44.7 37.7 56.5



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#20

3+4-Methylphenols

Concen: 4.214 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF118627.D

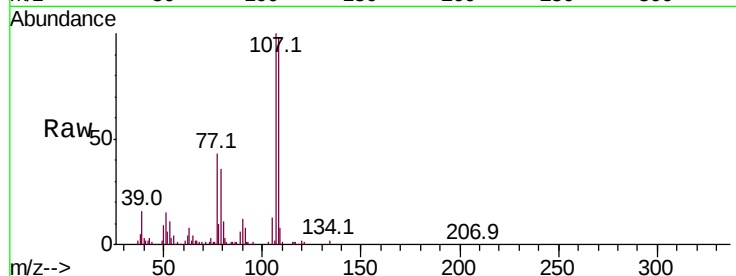
Acq: 21 Jan 2020 9:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	91296
Ion	Ratio	Lower	Upper
107	100		
108	98.2	75.8	115.8
77	43.4	86.5	126.5#
79	35.6	12.9	52.9



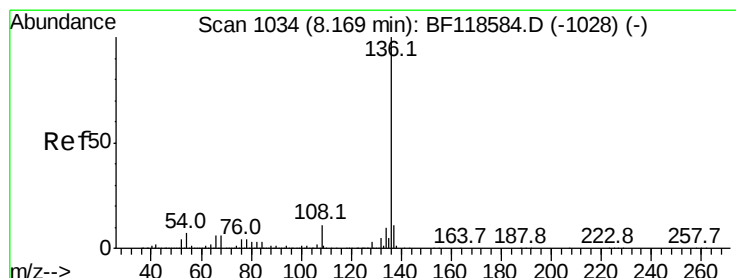
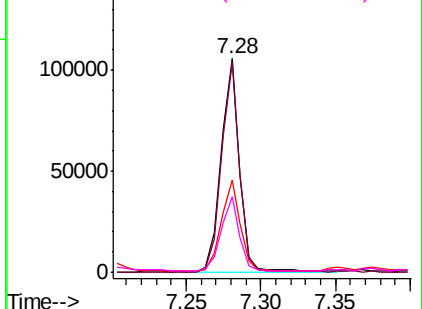
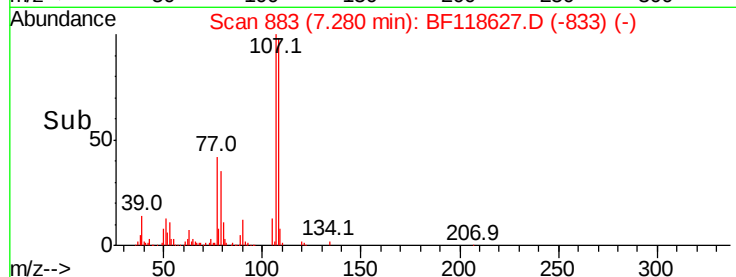
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

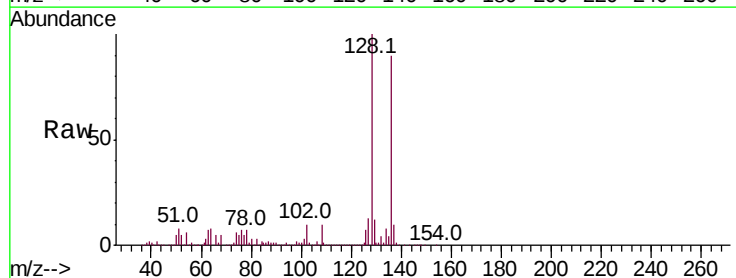
RT: 8.17 min Scan# 1035

Delta R.T. 0.01 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

Tgt Ion:	136	Resp:	1224215
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.0	5.8	8.6
68	6.1	5.0	7.4



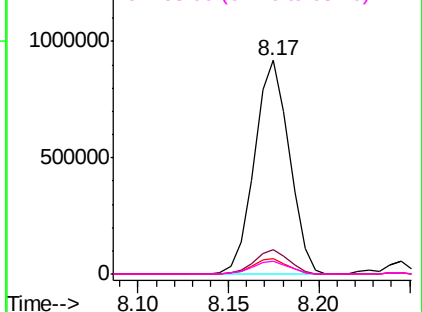
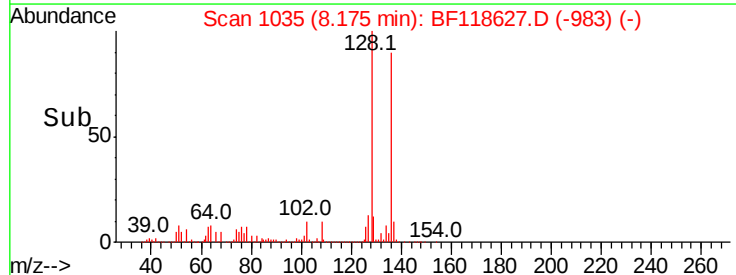
Abundance

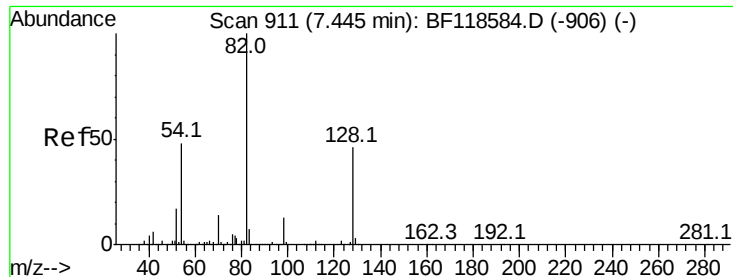
Ion 136.00 (135.70 to 136.70): E

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

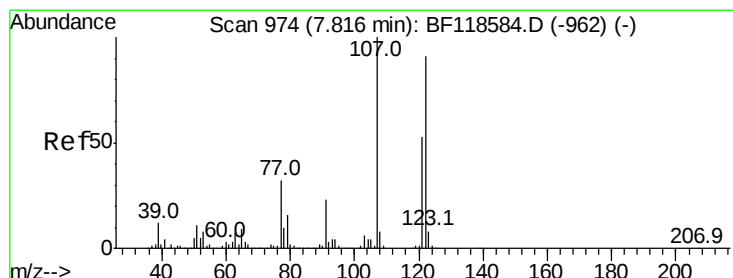
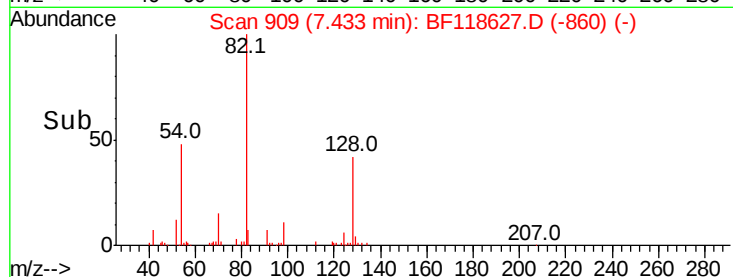
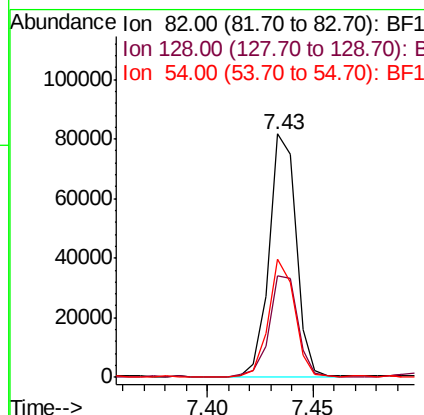
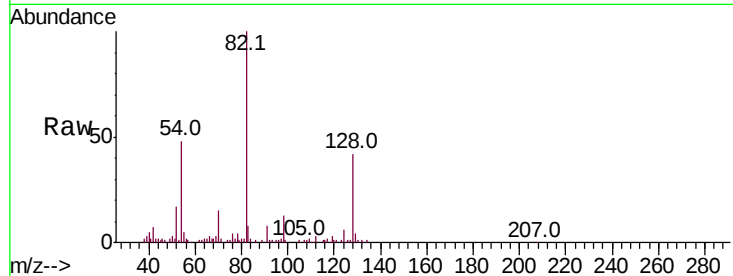




#23
 Nitrobenzene-d5
 Concen: 3.370 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF118627.D
 Acq: 21 Jan 2020 9:27

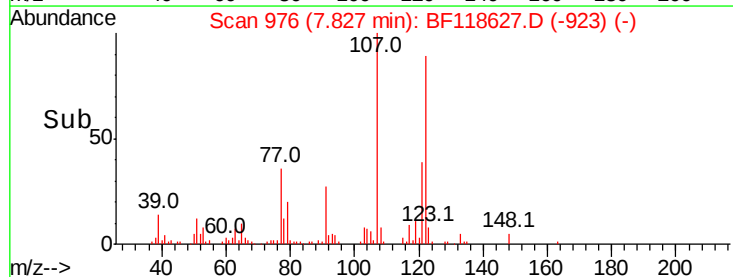
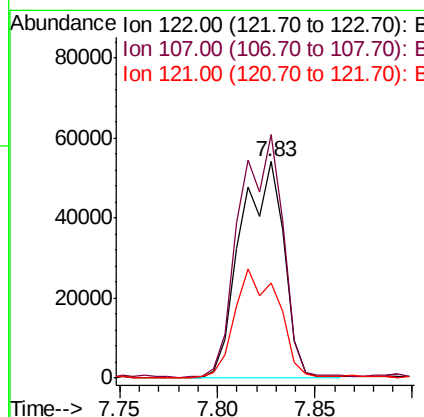
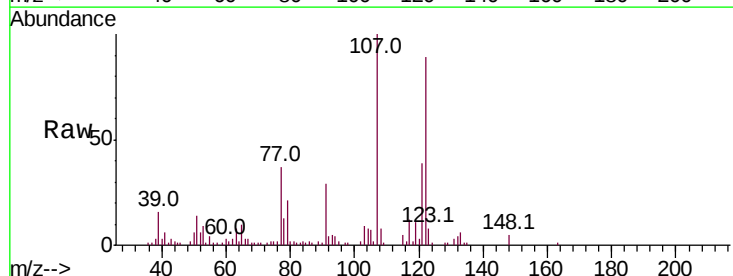
Instrument :
 BNA_F
 ClientSampleId :

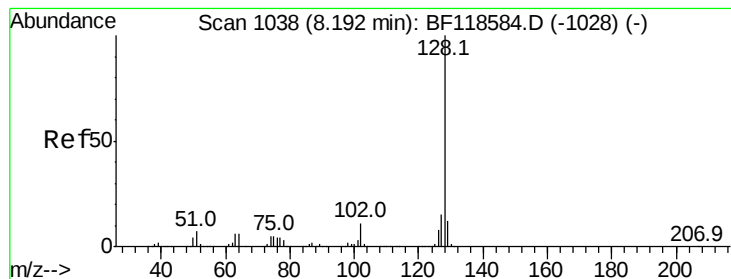
Tot Ion	82	Resp	73760
Ion Ratio	Lower	Upper	
82	100		
128	41.6	36.6	54.8
54	48.5	38.0	57.0



#27
 2,4-Dimethylphenol
 Concen: 5.025 ng
 RT: 7.83 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: BF118627.D
 Acq: 21 Jan 2020 9:27

Tgt Ion	122	Resp	82934
Ion Ratio	Lower	Upper	
122	100		
107	112.5	88.0	132.0
121	43.9	46.3	69.5#





#31

Naphthalene

Concen: 217.464 ng

RT: 8.21 min Scan# 1041

Delta R.T. 0.02 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

Instrument :

BNA_F

ClientSampleId :

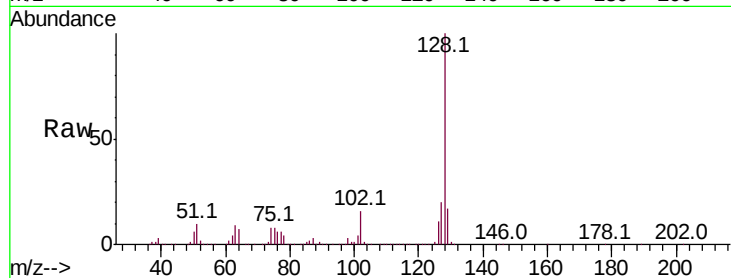
Tot Ion:128 Resp:12026213

Ion Ratio Lower Upper

128 100

129 16.6 9.9 14.9#

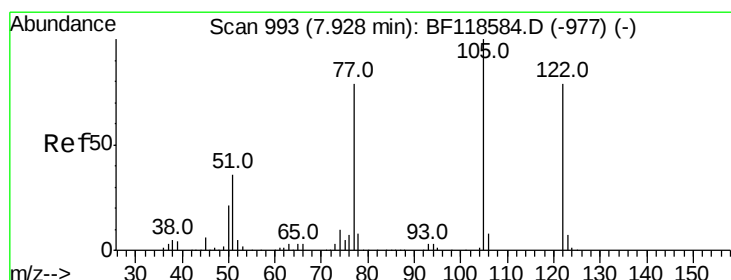
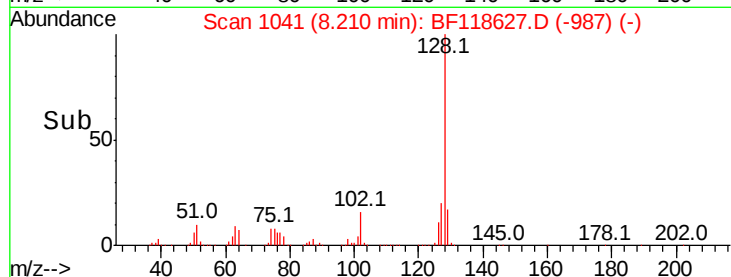
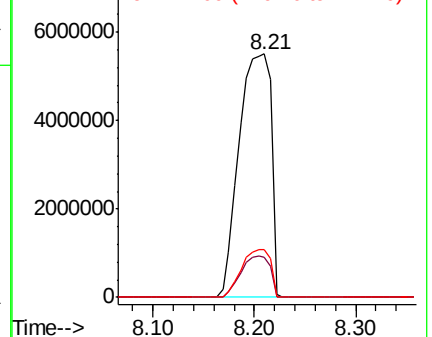
127 19.8 12.0 18.0#



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: 8.521 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.02 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

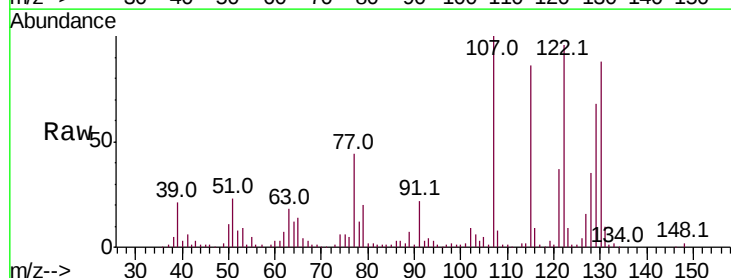
Tgt Ion:122 Resp: 105537

Ion Ratio Lower Upper

122 100

105 5.1 104.3 144.3#

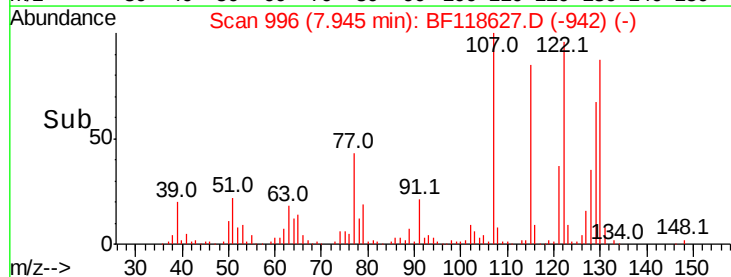
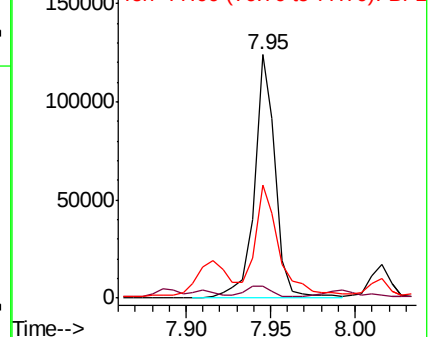
77 46.2 79.4 119.4#

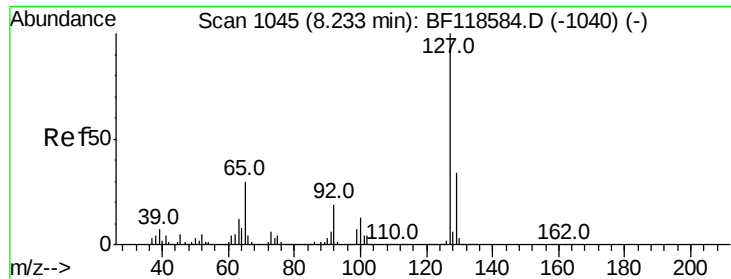


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

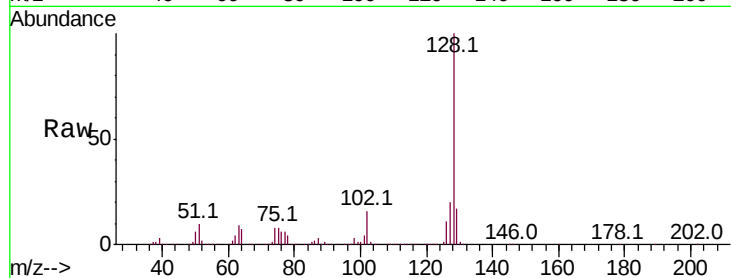




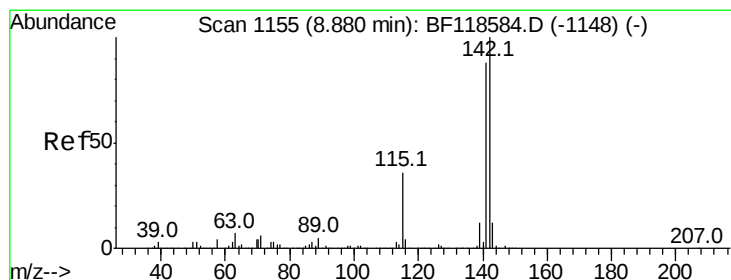
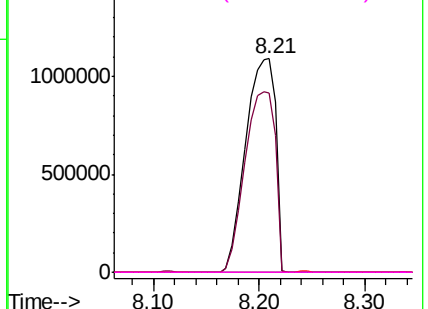
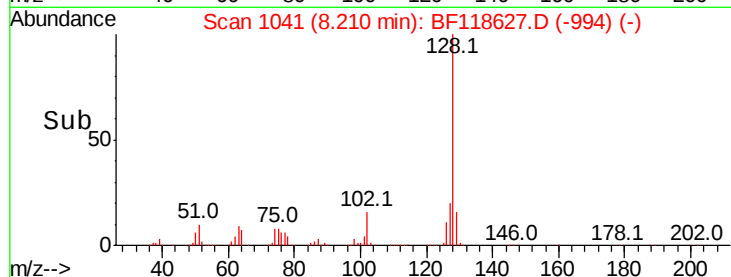
#33
 4-Chloroaniline
 Concen: 84.743 ng
 RT: 8.21 min Scan# 1041
 Delta R.T. -0.02 min
 Lab File: BF118627.D
 Acq: 21 Jan 2020 9:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:127 Resp: 2166083
 Ion Ratio Lower Upper
 127 100
 129 83.7 27.4 41.0#
 65 0.0 23.6 35.4#
 92 0.0 15.0 22.4#

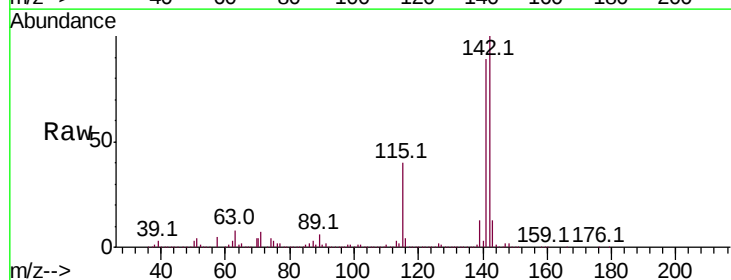


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

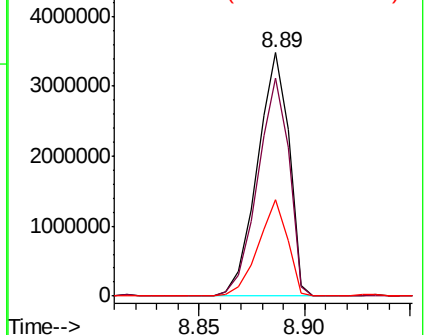
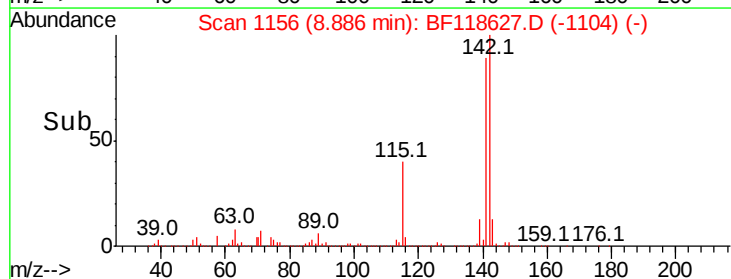


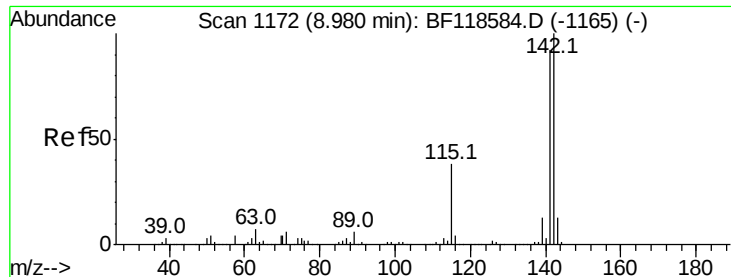
#37
 2-Methylnaphthalene
 Concen: 92.703 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: BF118627.D
 Acq: 21 Jan 2020 9:27

Tgt Ion:142 Resp: 3618708
 Ion Ratio Lower Upper
 142 100
 141 89.4 70.7 106.1
 115 39.8 28.5 42.7



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

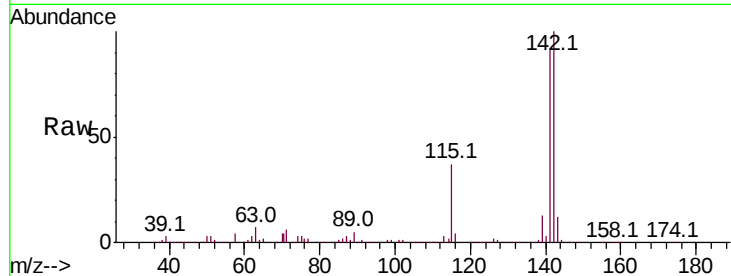




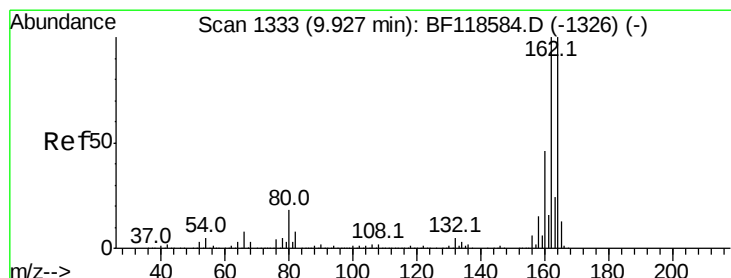
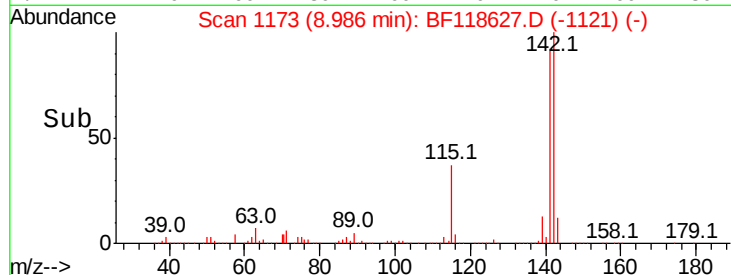
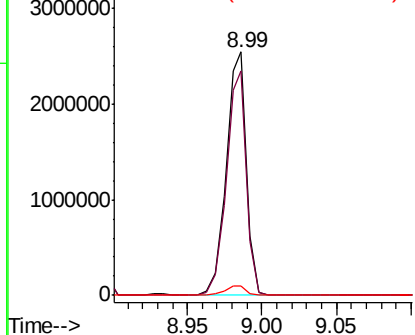
#38
1-Methylnaphthalene
Concen: 65.241 ng
RT: 8.99 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF118627.D
Acq: 21 Jan 2020 9:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 2419482
Ion Ratio Lower Upper
142 100
141 92.2 73.4 110.2
116 3.9 3.3 4.9

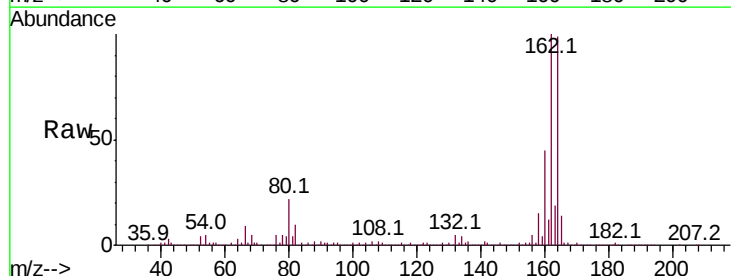


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

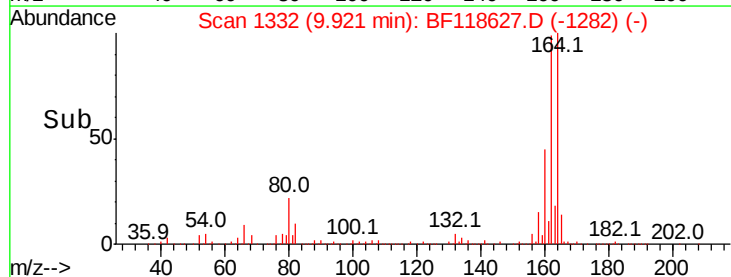
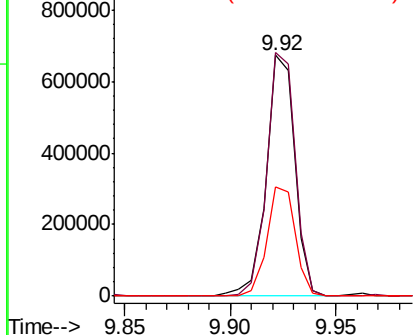


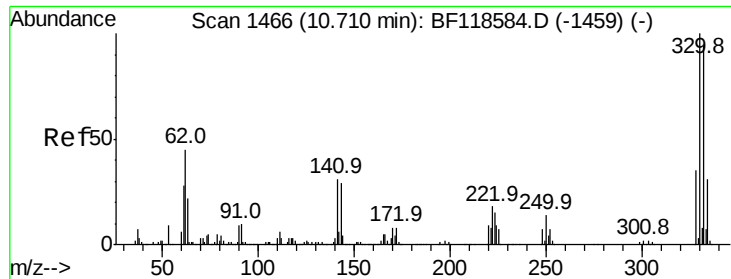
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF118627.D
Acq: 21 Jan 2020 9:27

Tgt Ion:164 Resp: 632657
Ion Ratio Lower Upper
164 100
162 101.2 80.4 120.6
160 45.2 36.6 55.0



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

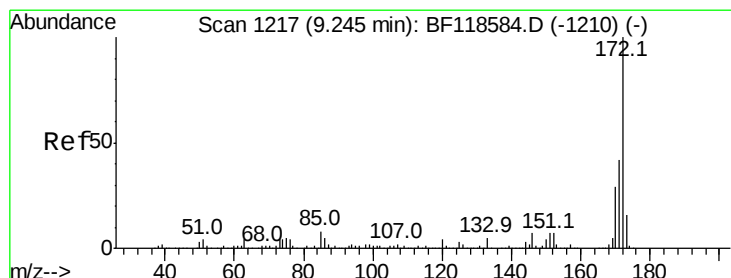
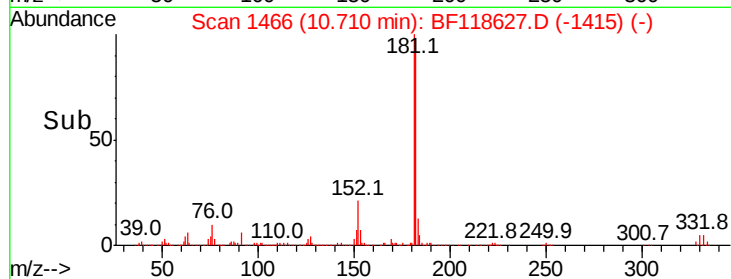
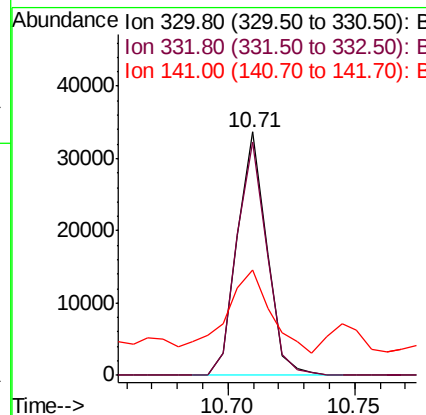
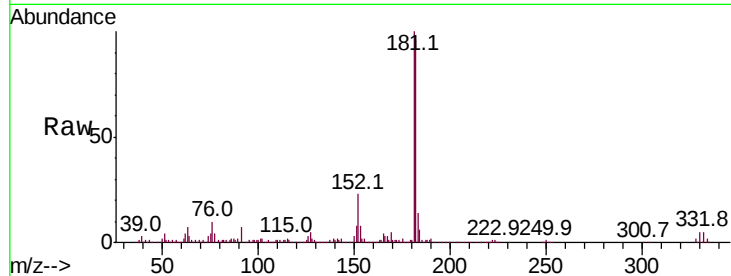




#42
 2,4,6-Tribromophenol
 Concen: 3.714 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF118627.D
 Acq: 21 Jan 2020 9:27

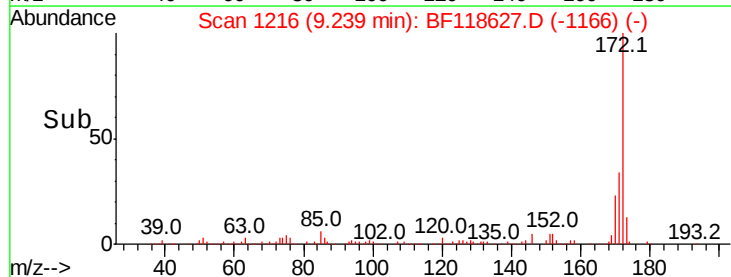
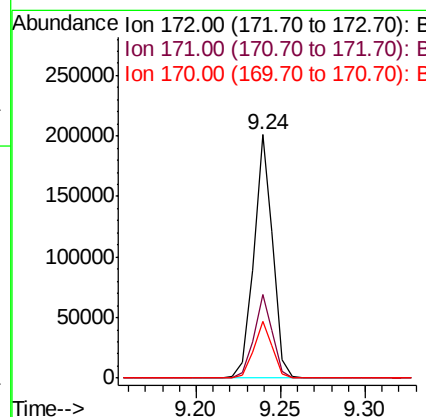
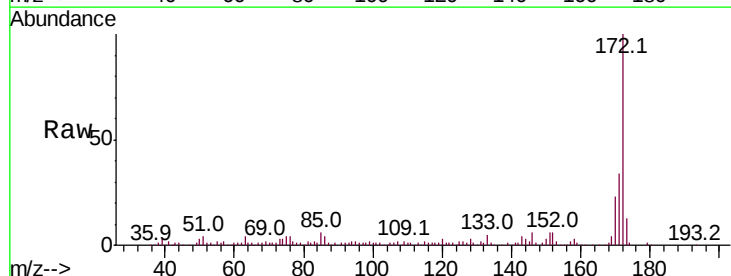
Instrument :
 BNA_F
 ClientSampleId :

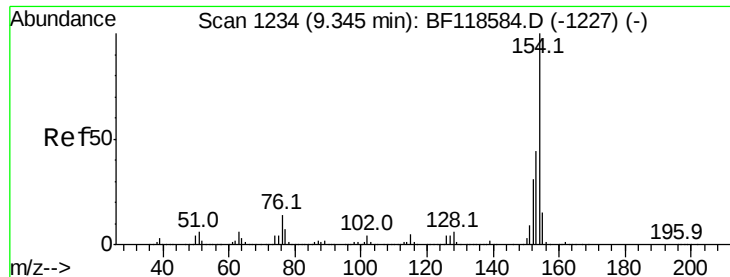
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.2	114.4
141	50.3	23.9	35.9#



#45
 2-Fluorobiphenyl
 Concen: 4.083 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118627.D
 Acq: 21 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	33.4	50.2
170	23.4	23.2	34.8





#46

1,1'-Biphenyl

Concen: 27.405 ng

RT: 9.35 min Scan# 1234

Delta R.T. -0.00 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

Instrument :

BNA_F

ClientSampleId :

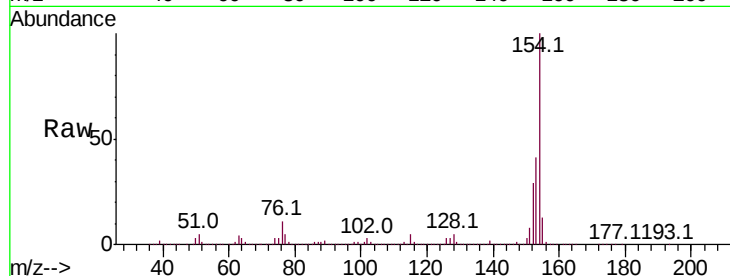
Tot Ion:154 Resp: 1194921

Ion Ratio Lower Upper

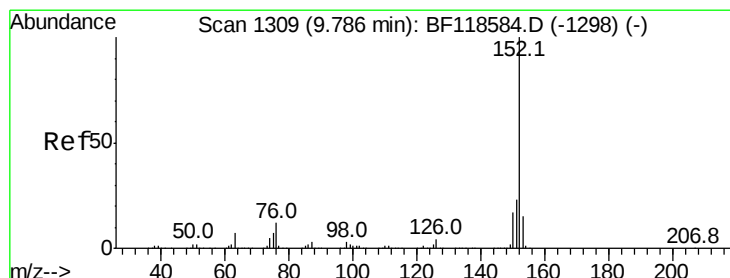
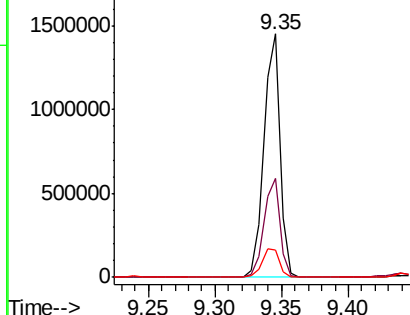
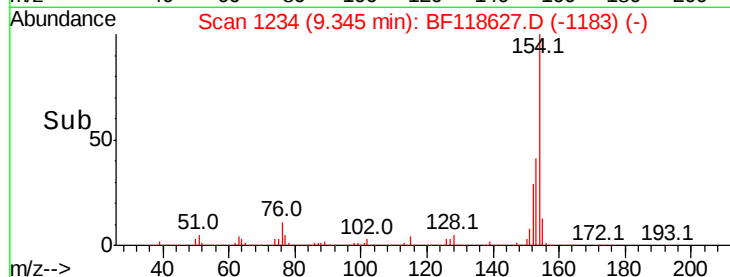
154 100

153 40.9 23.8 63.8

76 11.3 0.0 34.3



Abundance Ion 154.00 (153.70 to 154.70): E
2000000
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#49

Acenaphthylene

Concen: 39.148 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

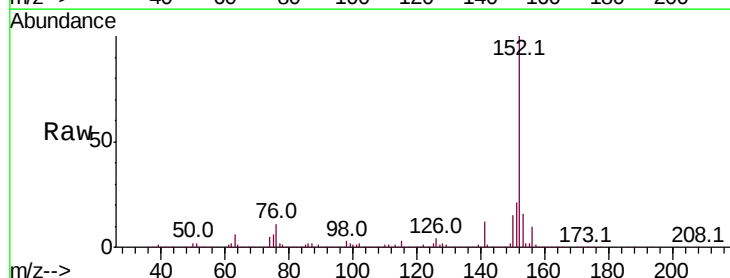
Tgt Ion:152 Resp: 2024037

Ion Ratio Lower Upper

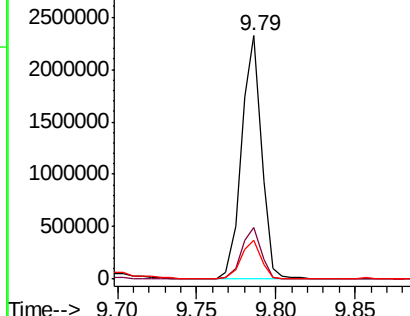
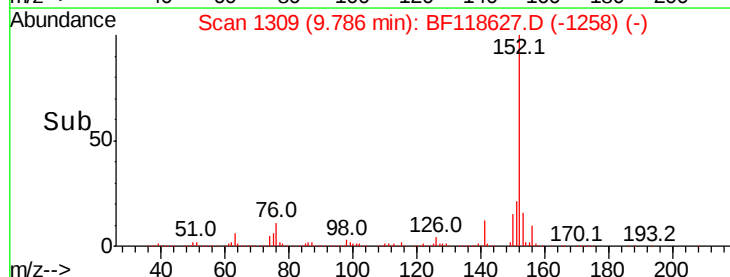
152 100

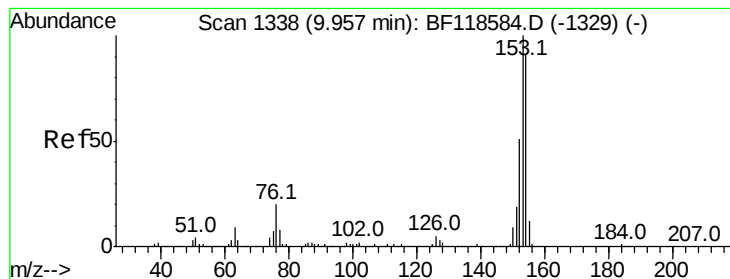
151 21.4 18.6 27.8

153 15.7 12.2 18.4



Abundance Ion 152.00 (151.70 to 152.70): E
3000000
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#52

Acenaphthene

Concen: 56.423 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

Instrument :

BNA_F

ClientSampleId :

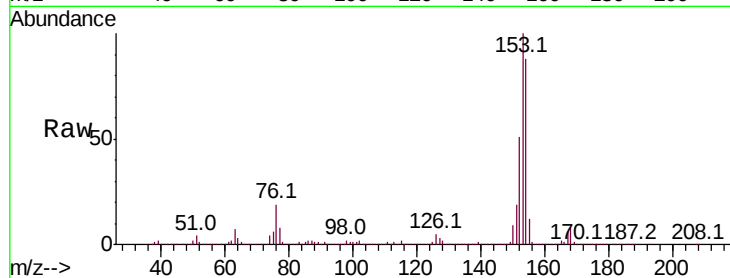
Tot Ion:154 Resp: 1950647

Ion Ratio Lower Upper

154 100

153 113.0 87.6 131.4

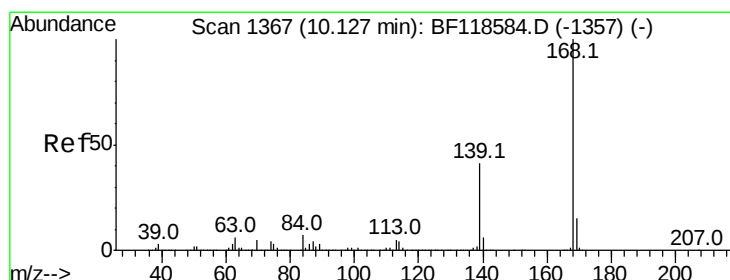
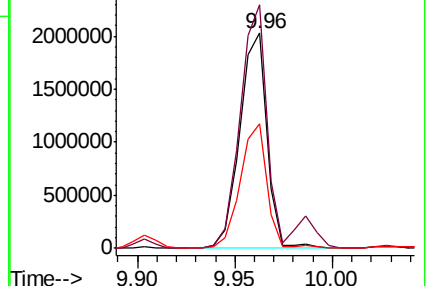
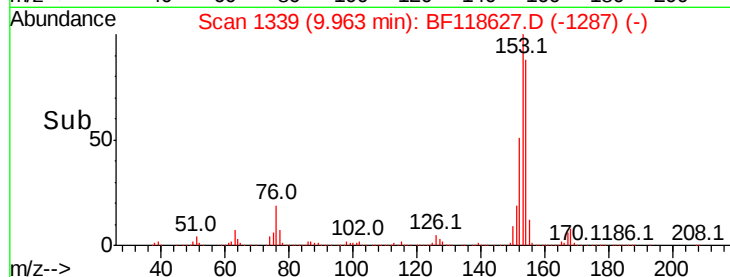
152 57.6 44.4 66.6



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: 65.964 ng

RT: 10.13 min Scan# 1368

Delta R.T. 0.01 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

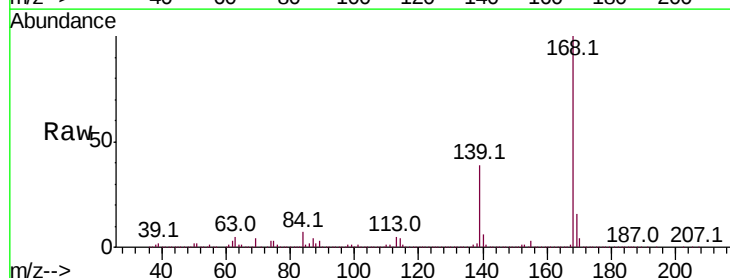
Tgt Ion:168 Resp: 3160341

Ion Ratio Lower Upper

168 100

139 39.4 32.7 49.1

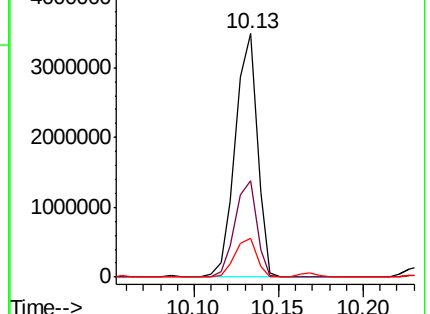
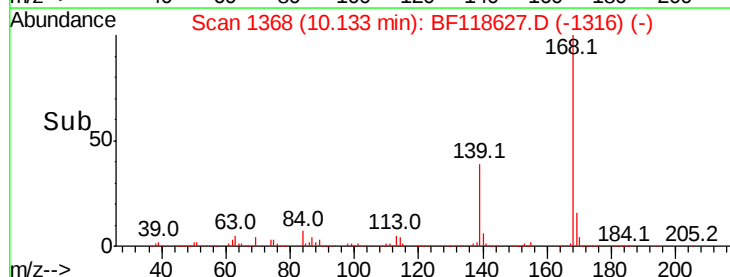
169 16.0 12.2 18.2

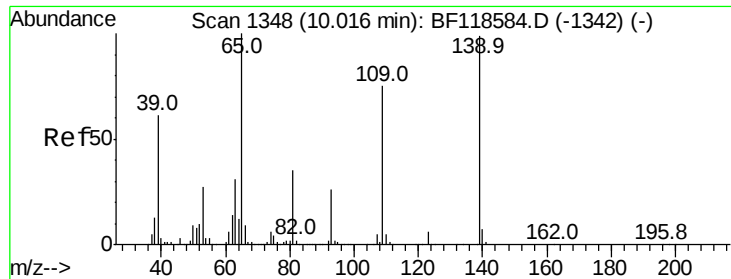


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

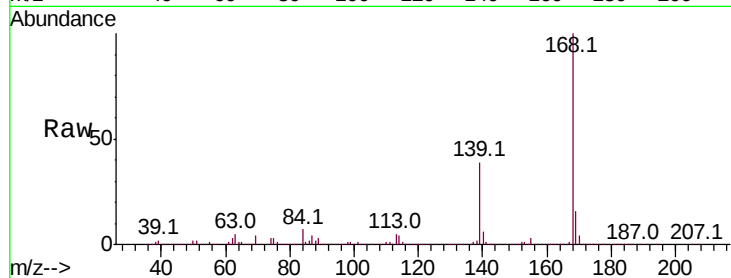




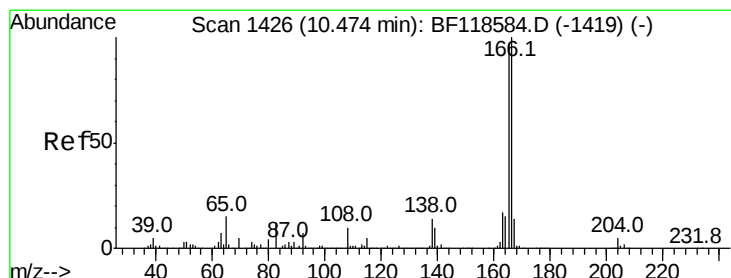
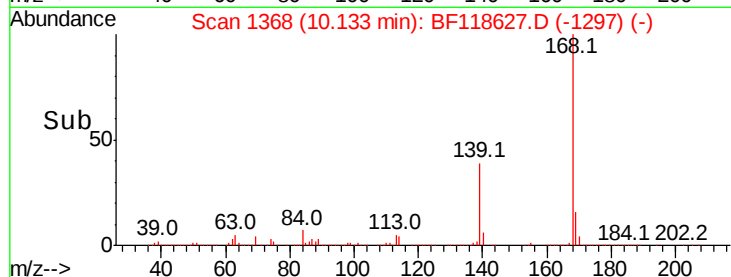
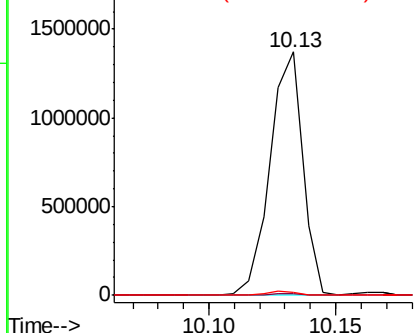
#56
4-Nitrophenol
Concen: 154.436 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.12 min
Lab File: BF118627.D
Acq: 21 Jan 2020 9:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 1228727
Ion Ratio Lower Upper
139 100
109 0.9 56.0 96.0#
65 1.4 81.4 121.4#

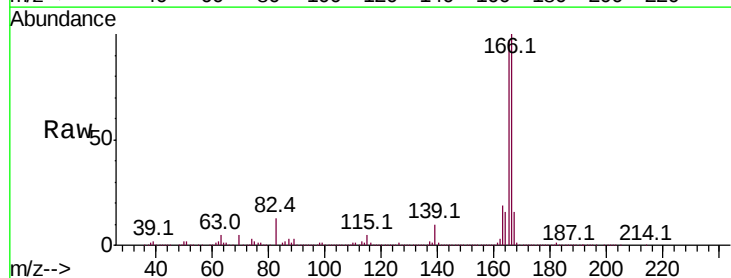


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

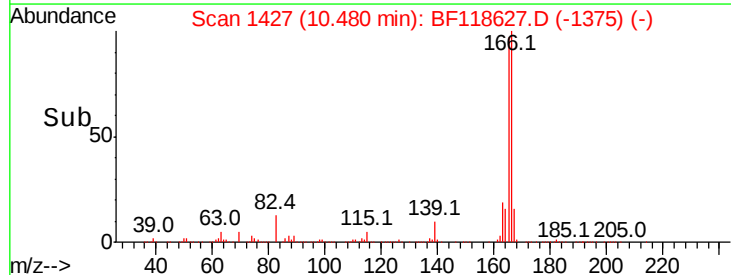
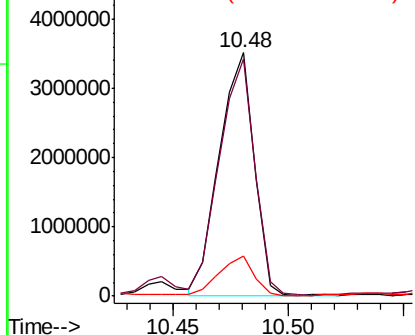


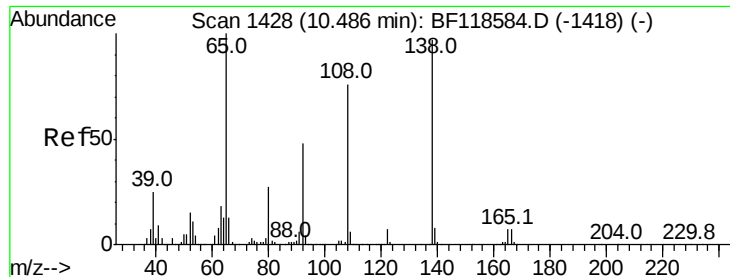
#58
Fluorene
Concen: 98.668 ng
RT: 10.48 min Scan# 1427
Delta R.T. 0.01 min
Lab File: BF118627.D
Acq: 21 Jan 2020 9:27

Tgt Ion:166 Resp: 3711095
Ion Ratio Lower Upper
166 100
165 97.4 77.3 115.9
167 16.3 11.5 17.3



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





#62

4-Nitroaniline

Concen: 4.315 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

Instrument :

BNA_F

ClientSampleId :

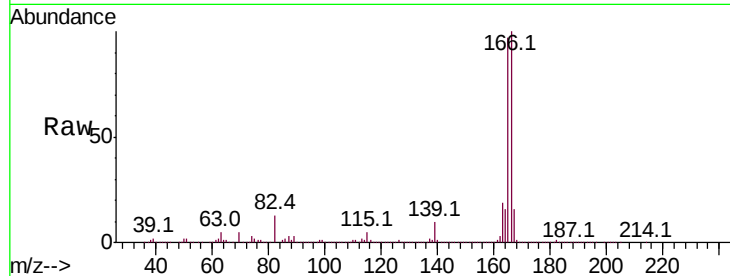
Tot Ion:138 Resp: 46644

Ion Ratio Lower Upper

138 100

92 2.9 29.4 69.4#

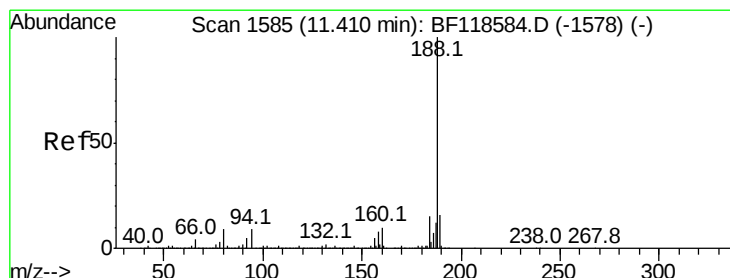
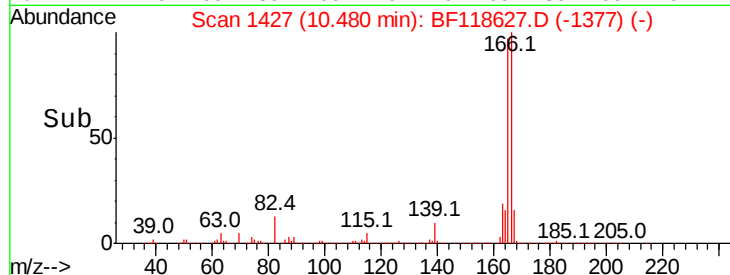
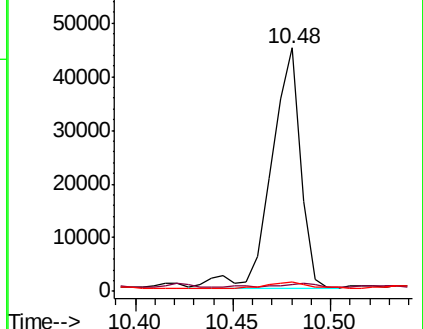
108 3.7 58.2 98.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

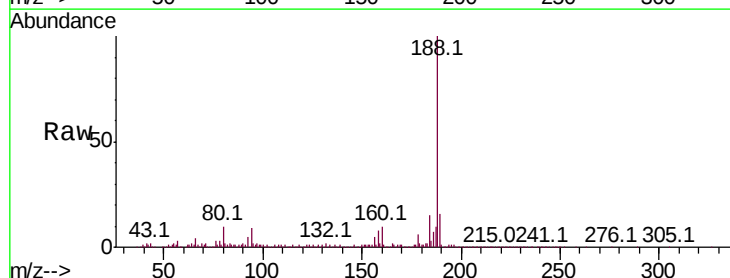
Tgt Ion:188 Resp: 937736

Ion Ratio Lower Upper

188 100

94 8.9 7.1 10.7

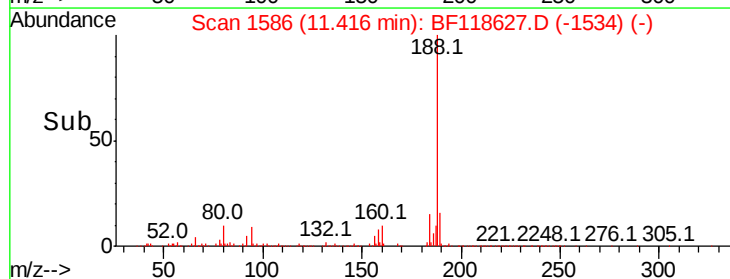
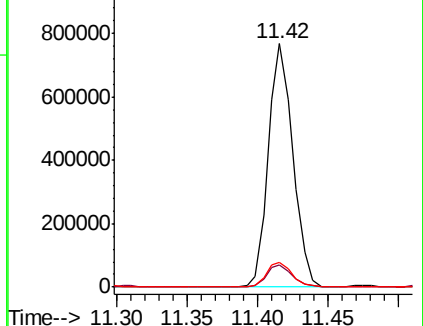
80 10.3 7.5 11.3

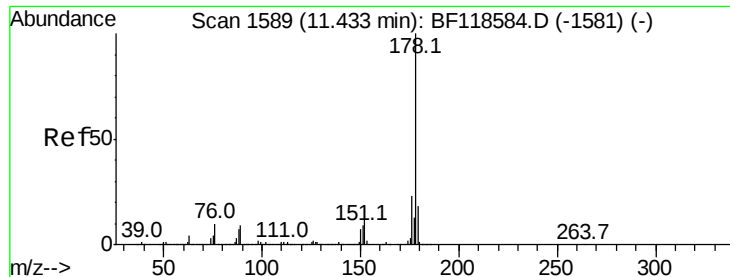


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

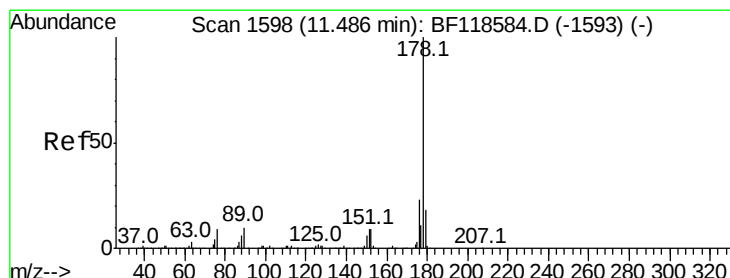
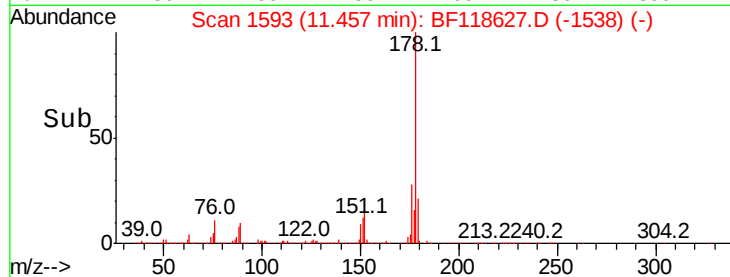
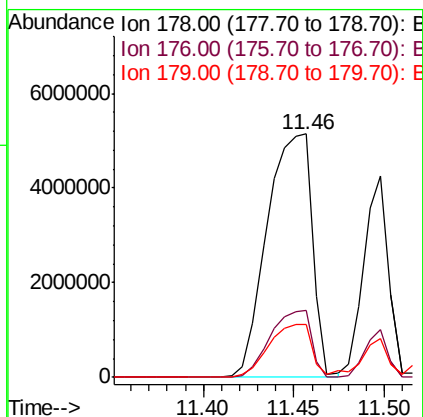
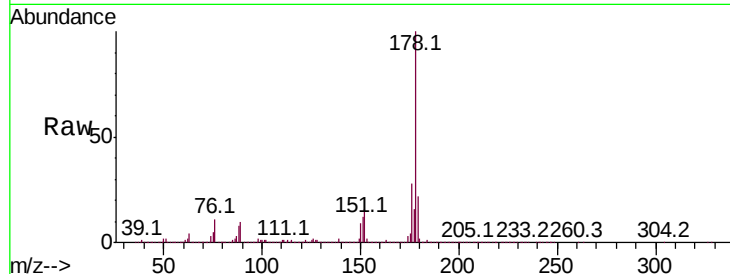




#71
Phenanthrene
Concen: 197.849 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF118627.D
Acq: 21 Jan 2020 9:27

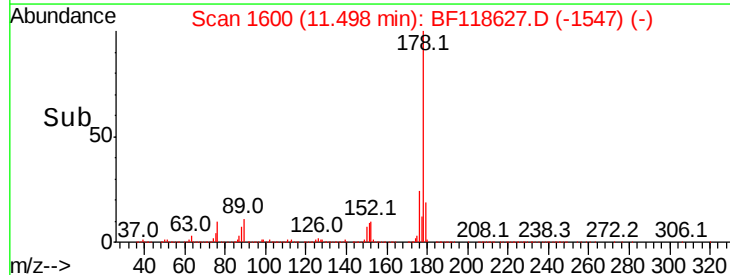
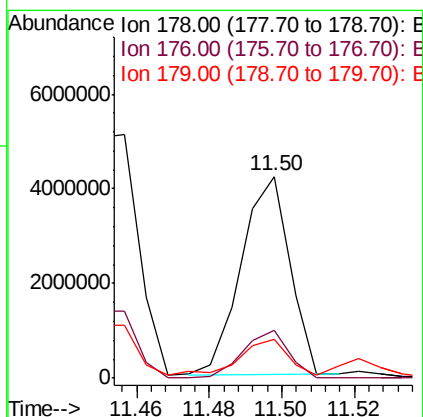
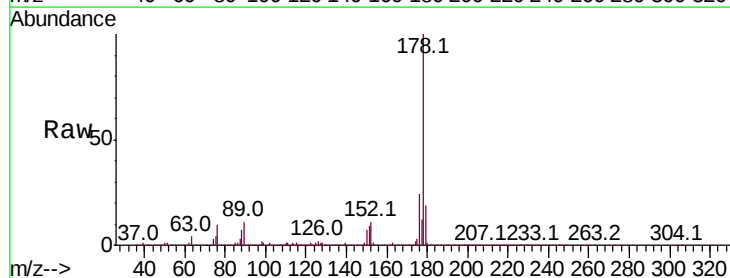
Instrument :
BNA_F
ClientSampleId :

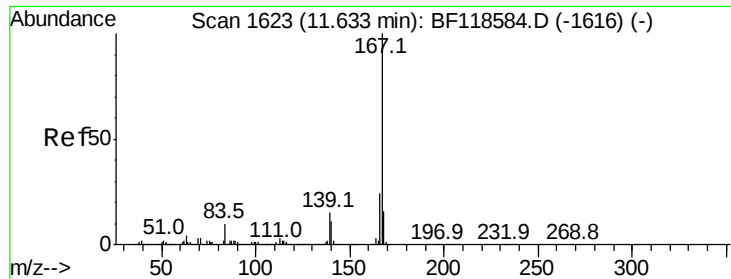
Tot Ion:178 Resp: 8950751
Ion Ratio Lower Upper
178 100
176 27.7 18.6 27.8
179 21.9 14.7 22.1



#72
Anthracene
Concen: 86.851 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BF118627.D
Acq: 21 Jan 2020 9:27

Tgt Ion:178 Resp: 3887886
Ion Ratio Lower Upper
178 100
176 23.7 18.0 27.0
179 19.4 14.7 22.1

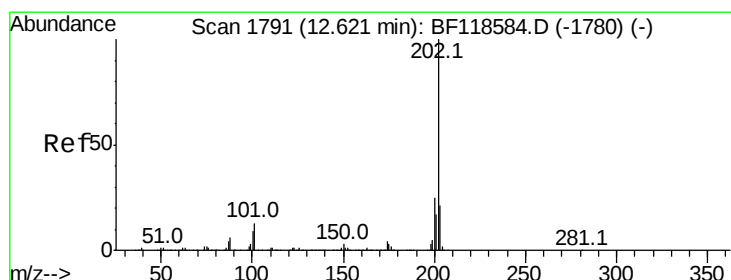
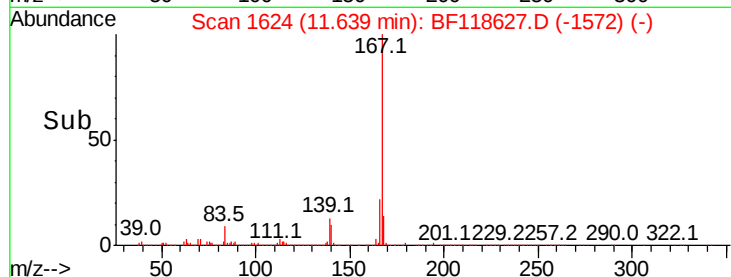
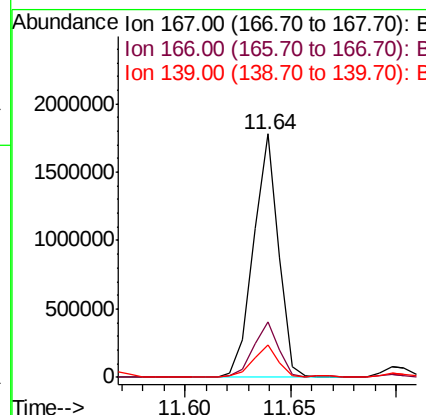
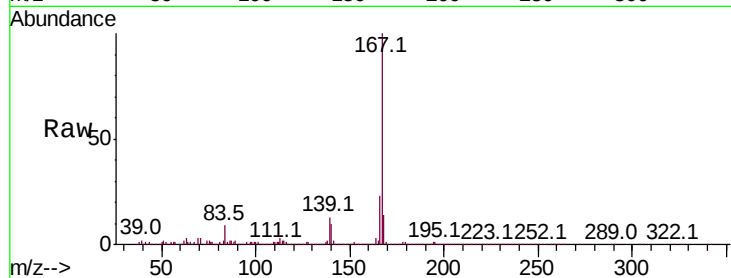




#73
 Carbazole
 Concen: 35.512 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. 0.01 min
 Lab File: BF118627.D
 Acq: 21 Jan 2020 9:27

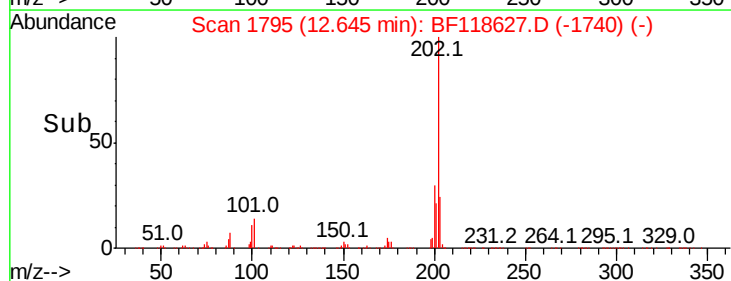
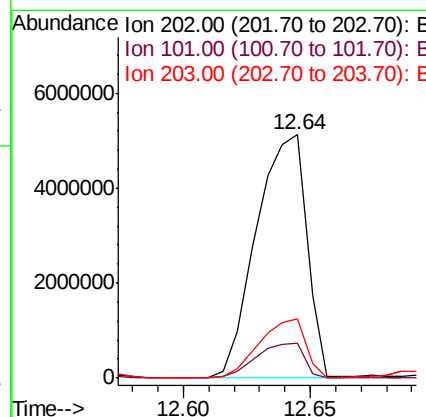
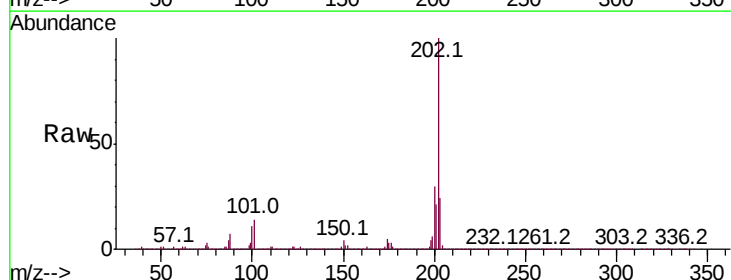
Instrument :
 BNA_F
 ClientSampleId :

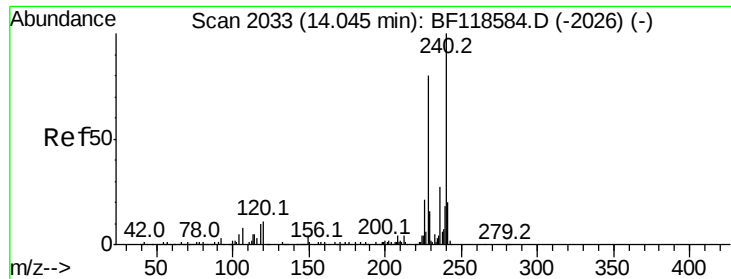
Tot Ion:167 Resp: 1458126
 Ion Ratio Lower Upper
 167 100
 166 22.6 19.4 29.2
 139 13.4 11.7 17.5



#75
 Fluoranthene
 Concen: 146.996 ng
 RT: 12.64 min Scan# 1795
 Delta R.T. 0.02 min
 Lab File: BF118627.D
 Acq: 21 Jan 2020 9:27

Tgt Ion:202 Resp: 7013991
 Ion Ratio Lower Upper
 202 100
 101 14.5 0.0 32.5
 203 24.2 0.8 40.8

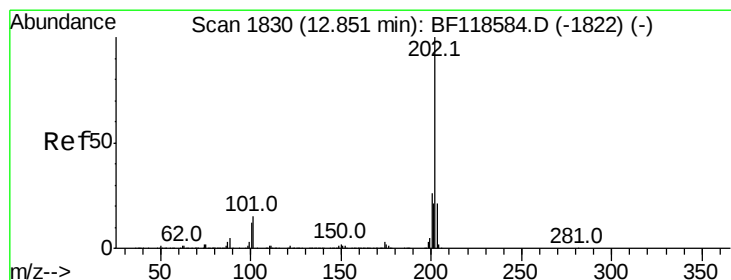
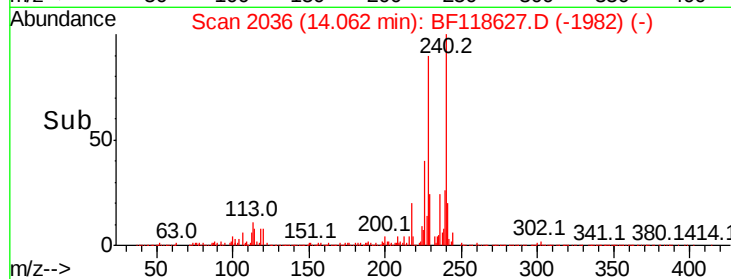
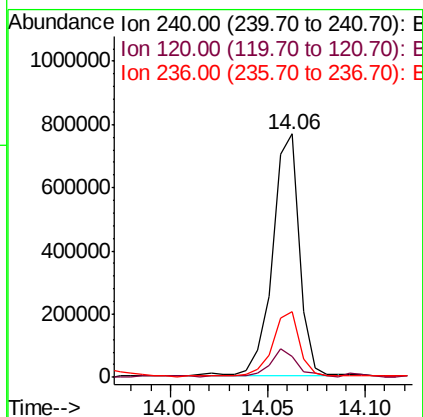
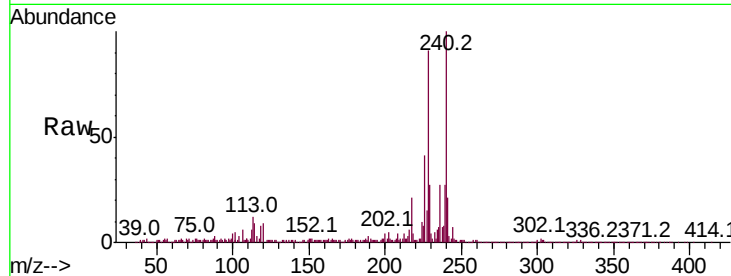




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.02 min
 Lab File: BF118627.D
 Acq: 21 Jan 2020 9:27

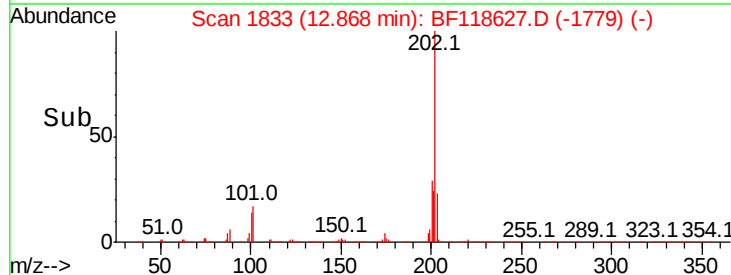
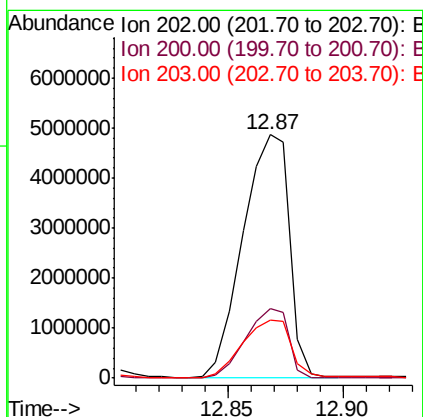
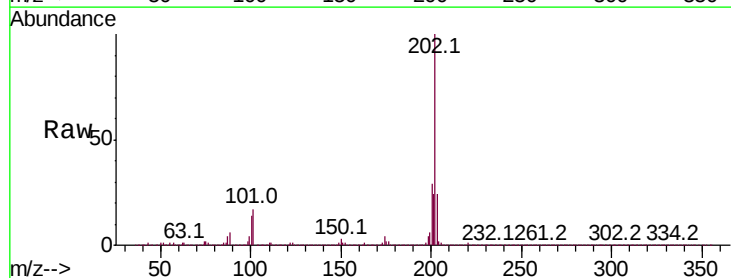
Instrument :
 BNA_F
 ClientSampleId :

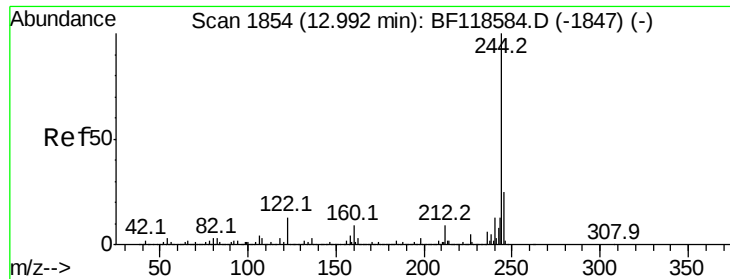
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	8.9	13.3#
236	26.9	21.5	32.3



#78
 Pyrene
 Concen: 136.147 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. 0.02 min
 Lab File: BF118627.D
 Acq: 21 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	28.7	20.6	31.0
203	24.0	16.8	25.2





#79

Terphenyl-d14

Concen: 4.475 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

Instrument :

BNA_F

ClientSampleId :

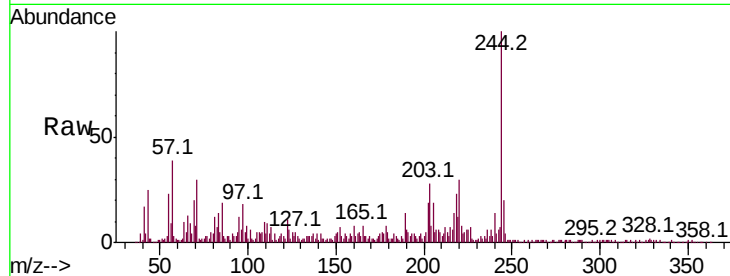
Tot Ion:244 Resp: 150355

Ion Ratio Lower Upper

244 100

212 7.0 7.0 10.4

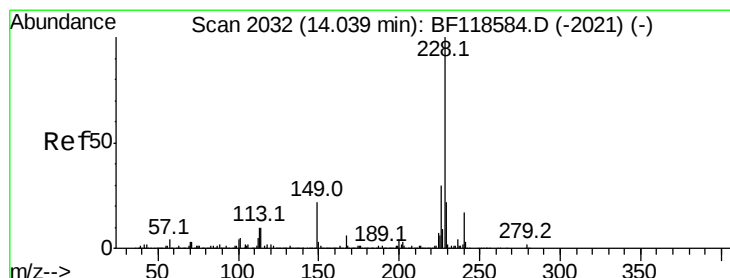
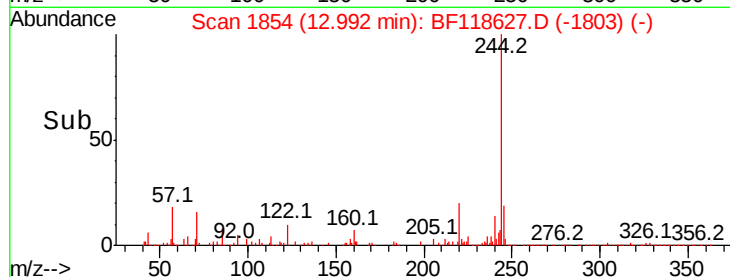
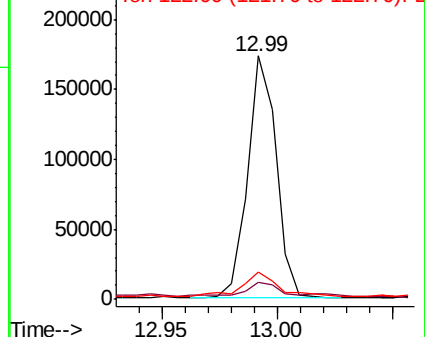
122 11.4 10.7 16.1



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: 76.965 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.05 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

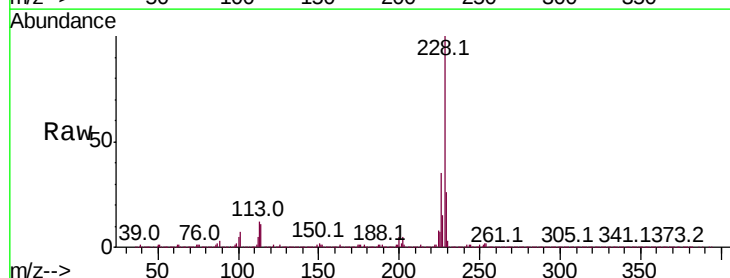
Tgt Ion:228 Resp: 3392958

Ion Ratio Lower Upper

228 100

226 35.4 24.1 36.1

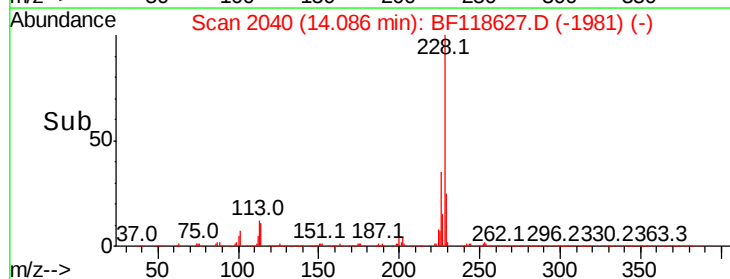
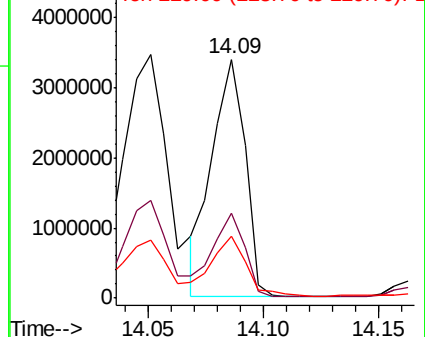
229 25.7 17.6 26.4

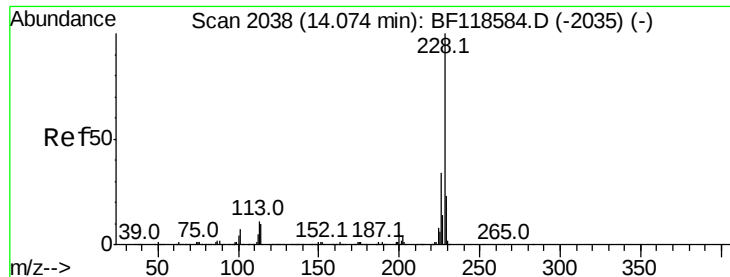


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 80.306 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

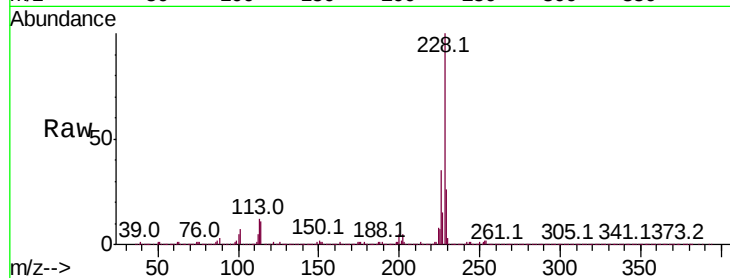
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 3392958

Ion	Ratio	Lower	Upper
228	100		
226	35.4	27.4	41.0
229	25.7	18.3	27.5

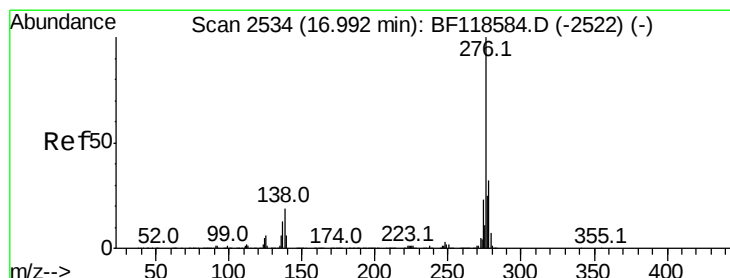
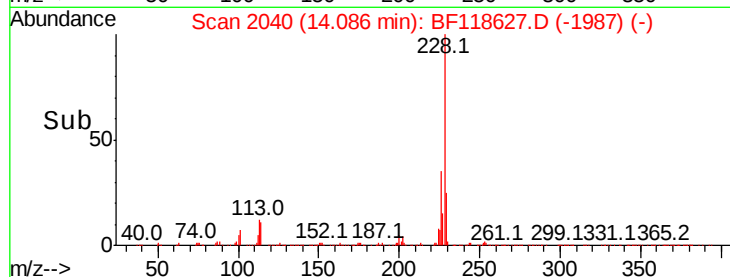
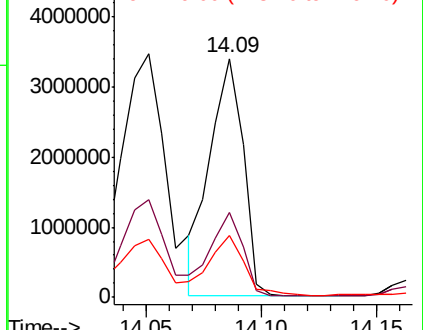


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 43.815 ng

RT: 17.02 min Scan# 2539

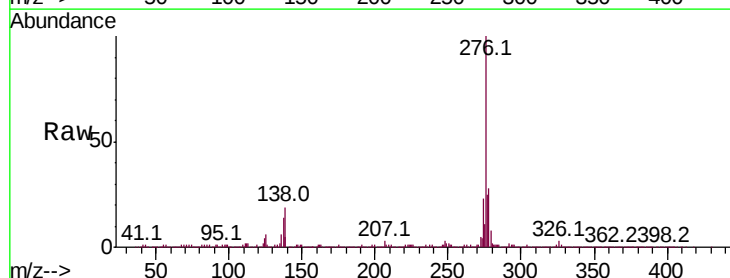
Delta R.T. 0.03 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

Tgt Ion:276 Resp: 1608509

Ion	Ratio	Lower	Upper
276	100		
138	19.7	17.2	25.8
277	26.4	20.5	30.7

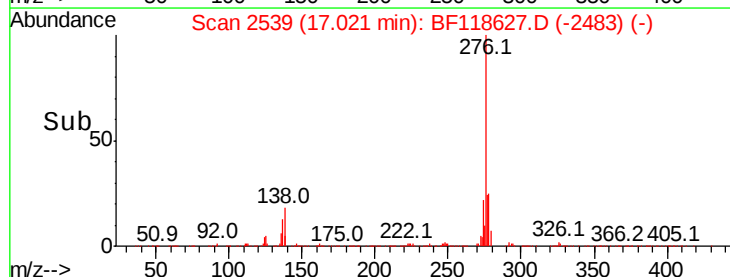
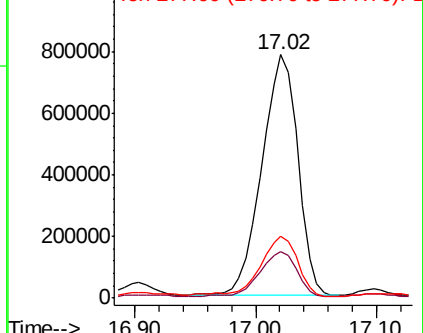


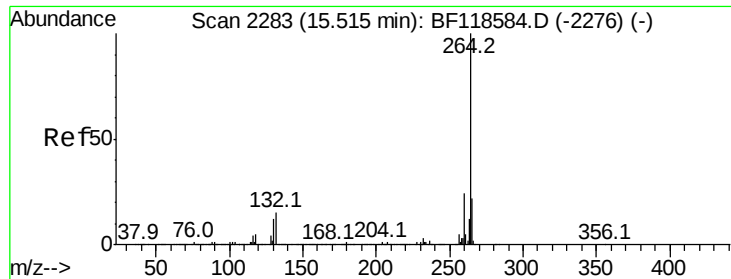
Abundance

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

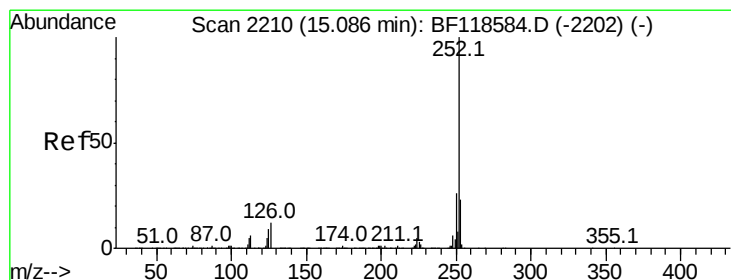
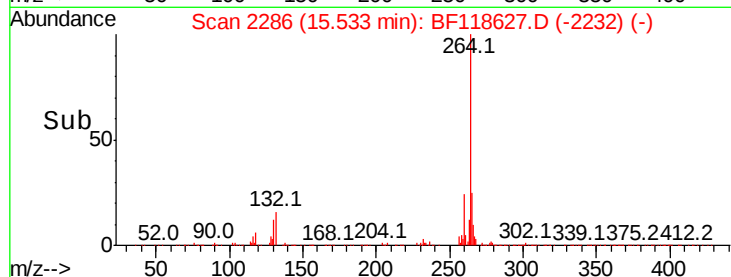
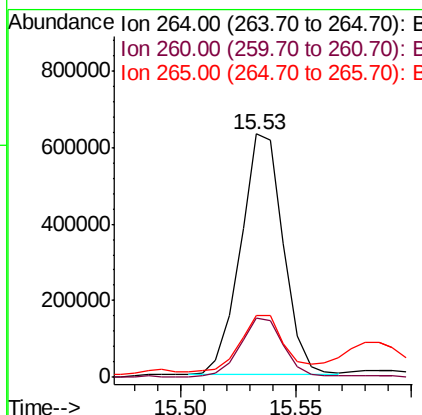
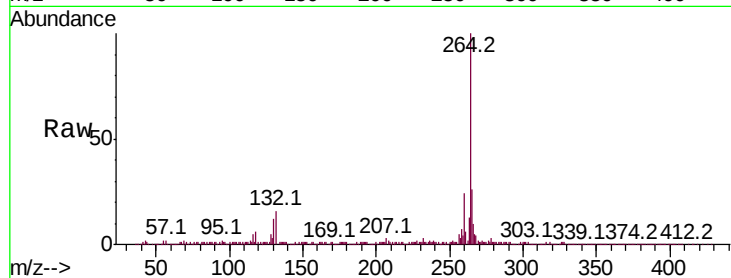




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.02 min
Lab File: BF118627.D
Acq: 21 Jan 2020 9:27

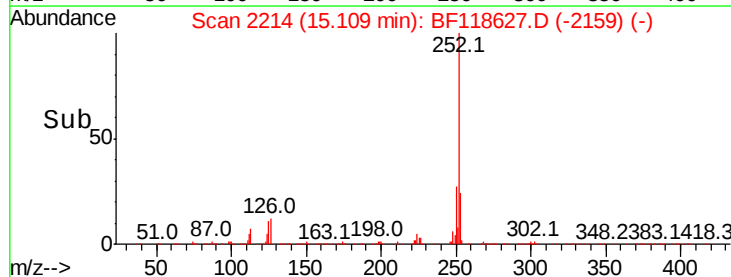
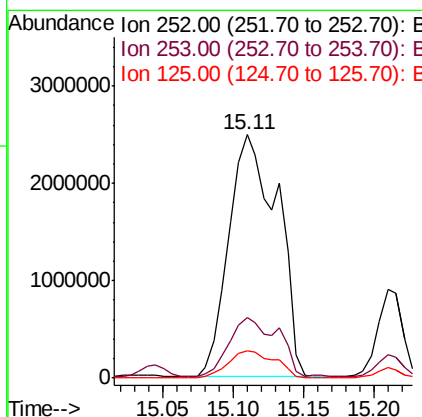
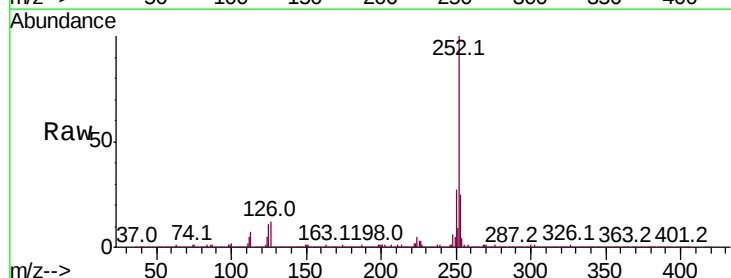
Instrument :
BNA_F
ClientSampleId :

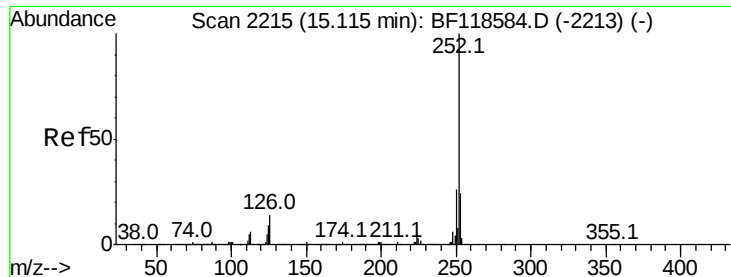
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	25.6	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 118.220 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF118627.D
Acq: 21 Jan 2020 9:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.7	28.1
125	11.3	7.3	10.9

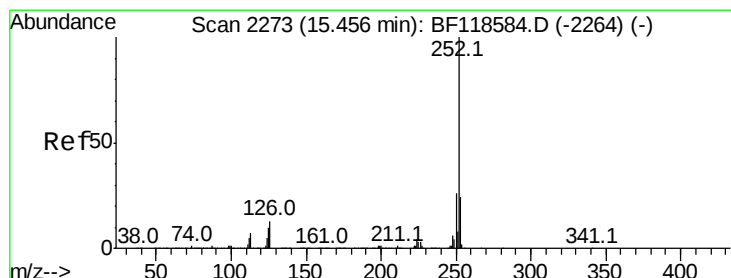
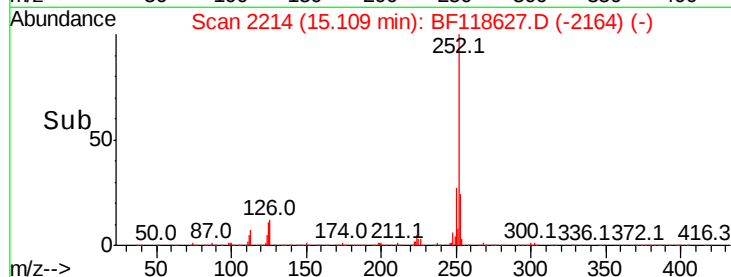
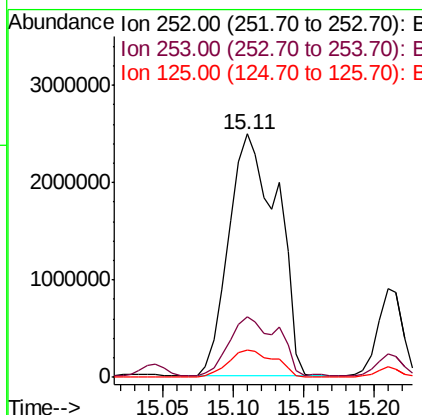
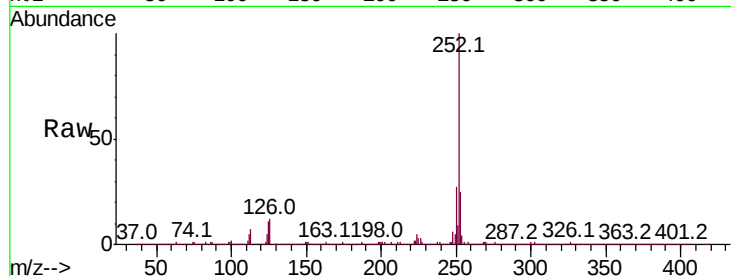




#89
Benzo(k)fluoranthene
Concen: 127.604 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118627.D
Acq: 21 Jan 2020 9:27

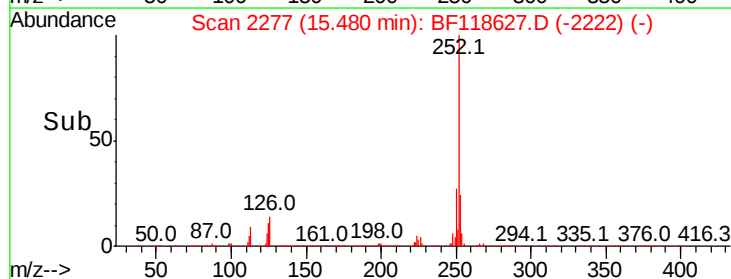
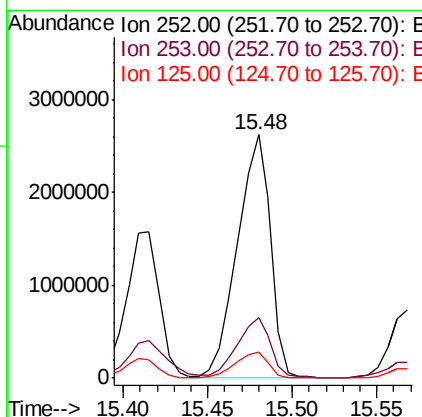
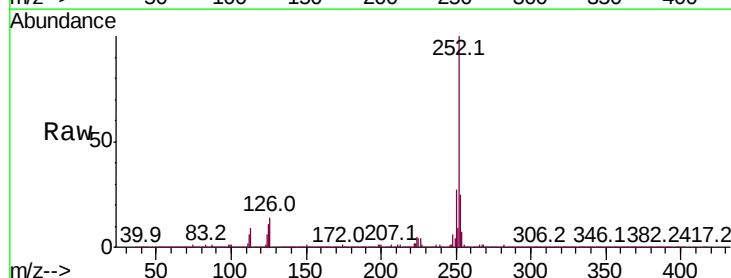
Instrument :
BNA_F
ClientSampleId :

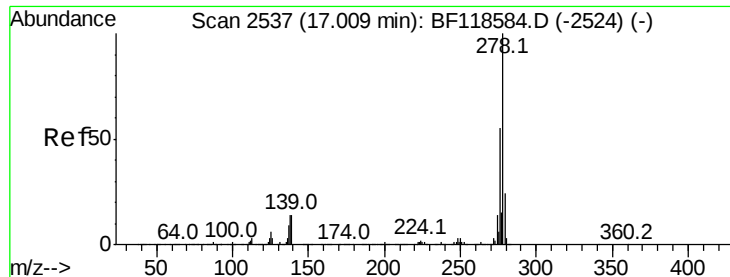
Tot Ion:252 Resp: 6011655
Ion Ratio Lower Upper
252 100
253 24.7 19.0 28.4
125 11.3 7.6 11.4



#90
Benzo(a)pyrene
Concen: 80.810 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF118627.D
Acq: 21 Jan 2020 9:27

Tgt Ion:252 Resp: 3544820
Ion Ratio Lower Upper
252 100
253 24.9 18.8 28.2
125 10.9 7.8 11.6





#91

Dibenzo(a,h)anthracene

Concen: 10.688 ng

RT: 17.19 min Scan# 2568

Delta R.T. 0.18 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

Instrument :

BNA_F

ClientSampleId :

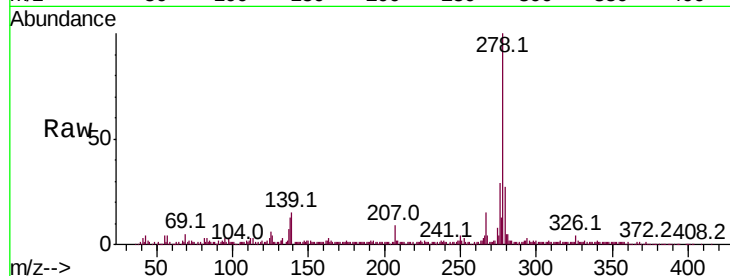
Tot Ion:278 Resp: 414712

Ion Ratio Lower Upper

278 100

139 14.9 11.4 17.0

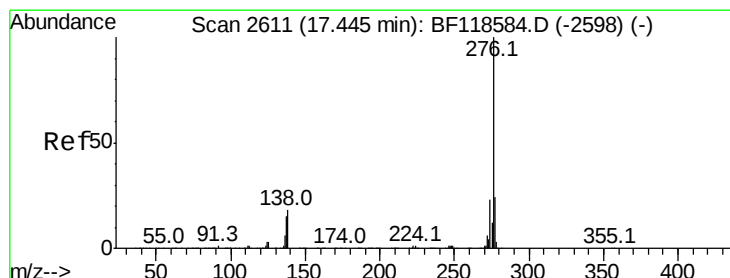
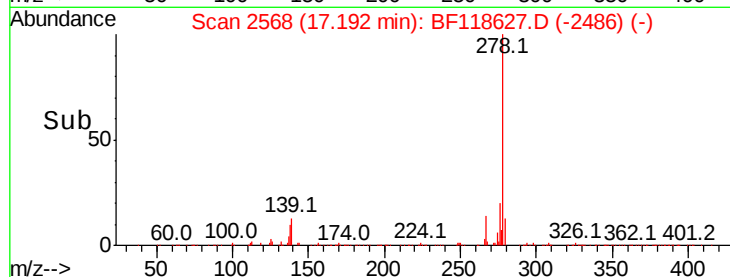
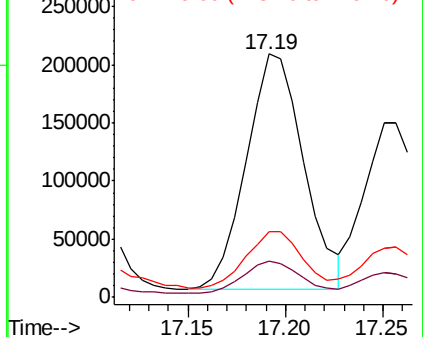
279 26.9 19.0 28.6



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(g,h,i)perylene

Concen: 36.489 ng

RT: 17.47 min Scan# 2616

Delta R.T. 0.03 min

Lab File: BF118627.D

Acq: 21 Jan 2020 9:27

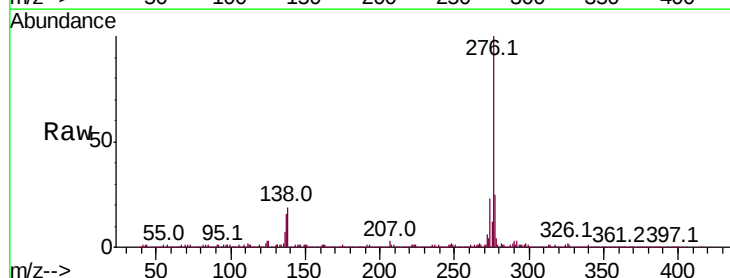
Tgt Ion:276 Resp: 1374713

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 19.2 14.4 21.6



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

