

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116643.D
 Acq On : 29 Aug 2019 4:12
 Operator : HP/JU
 Sample : K4409-12 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 04:50:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	78673	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	437378	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	222135	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	152475	20.00	ng	0.00
76) Chrysene-d12	14.03	240	105547	20.00	ng	0.02
87) Perylene-d12	15.49	264	89463	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	52701	11.57	ng	0.00
7) Phenol-d6	6.49	99	54807	8.88	ng	0.00
23) Nitrobenzene-d5	7.42	82	33579	4.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	6101	2.89	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	77946	5.84	ng	0.00
79) Terphenyl-d14	12.96	244	26978	4.16	ng	0.00

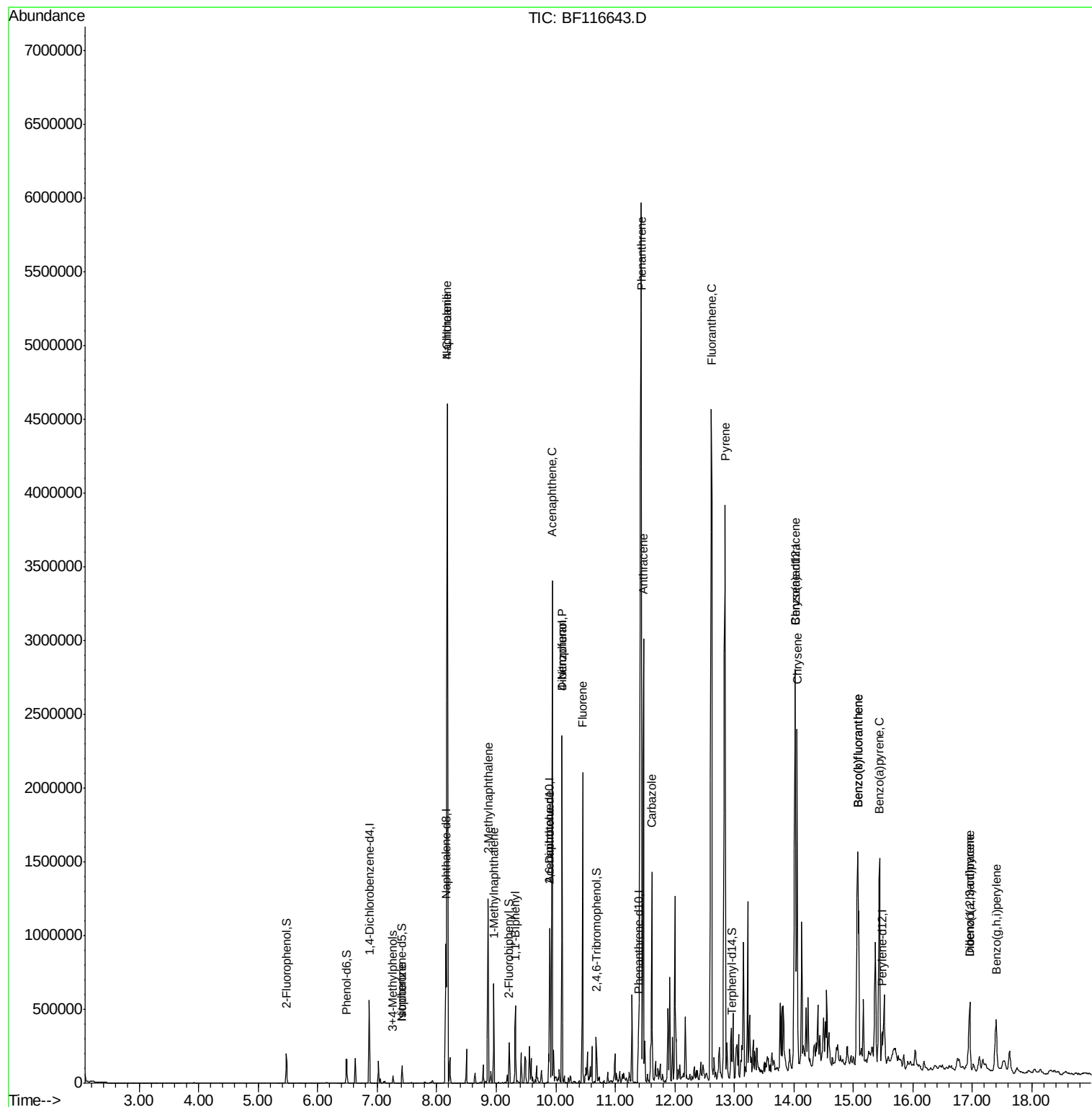
Target Compounds				Qvalue		
9) Benzaldehyde	6.40	77	116	Below Cal	#	1
20) 3+4-Methylphenols	7.26	107	11301	2.024 ng	#	67
25) Isophorone	7.42	82	33578	2.413 ng	#	65
31) Naphthalene	8.17	128	2153712	102.797 ng		98
33) 4-Chloroaniline	8.17	127	297113	32.176 ng	#	34
37) 2-Methylnaphthalene	8.86	142	326148	24.927 ng		99
38) 1-Methylnaphthalene	8.96	142	156486	12.246 ng		98
46) 1,1'-Biphenyl	9.32	154	138937	8.239 ng		100
51) 2,6-Dinitrotoluene	9.90	165	38608	11.724 ng	#	31
52) Acenaphthene	9.94	154	736750	56.356 ng		96
55) Dibenzofuran	10.11	168	905546	51.437 ng		98
56) 4-Nitrophenol	10.10	139	354026	118.435 ng	#	12
58) Fluorene	10.45	166	553349	41.416 ng		99
71) Phenanthrene	11.43	178	3162922	386.204 ng		97
72) Anthracene	11.47	178	1135628	138.679 ng		99
73) Carbazole	11.62	167	515618	73.982 ng		99
75) Fluoranthene	12.62	202	2786563	379.383 ng		96
78) Pyrene	12.84	202	2247107	231.530 ng		99
81) Benzo(a)anthracene	14.02	228	1156917	164.407 ng		97
83) Chrysene	14.06	228	950806	138.020 ng		97
86) Indeno(1,2,3-cd)pyrene	16.95	276	311286	50.672 ng	#	93
88) Benzo(b)fluoranthene	15.07	252	1328510	241.815 ng		98
89) Benzo(k)fluoranthene	15.07	252	1328510	254.395 ng		98
90) Benzo(a)pyrene	15.44	252	692961	141.326 ng		96
91) Dibenzo(a,h)anthracene	16.96	278	74993	16.391 ng		99
92) Benzo(g,h,i)perylene	17.40	276	283226	59.535 ng		98

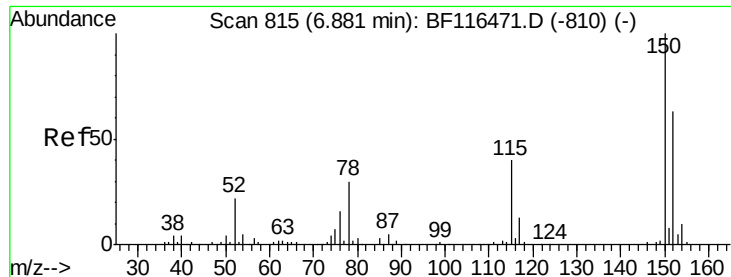
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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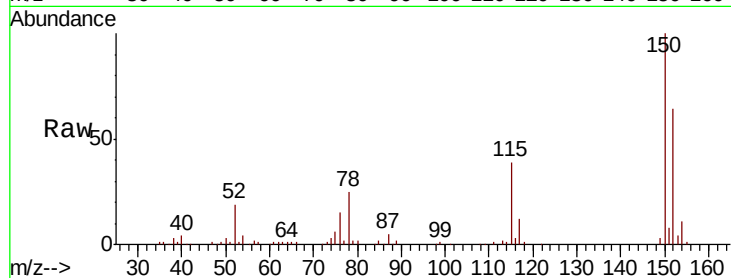


#1

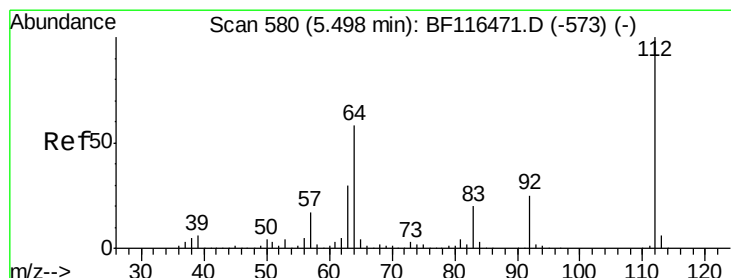
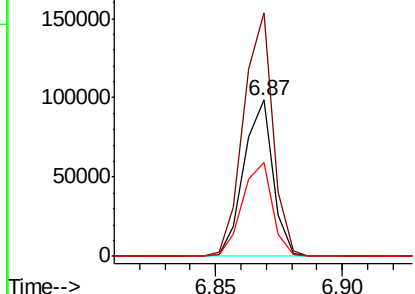
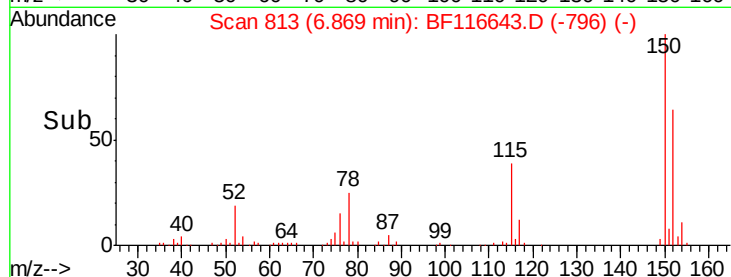
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78673
Ion Ratio Lower Upper
152 100
150 155.9 123.4 185.2
115 60.4 48.2 72.2



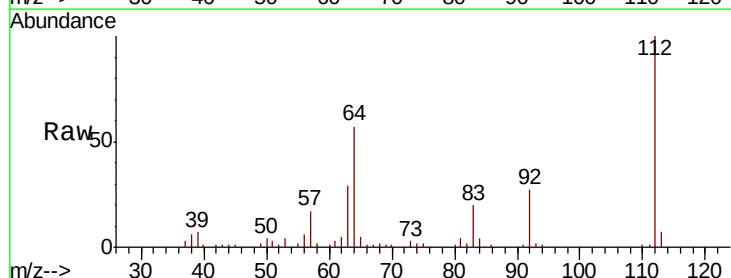
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



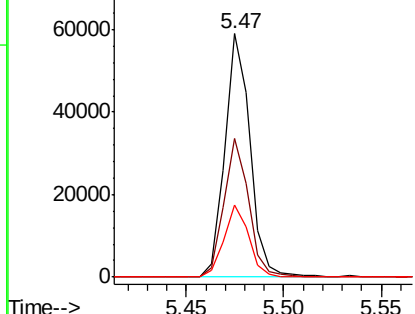
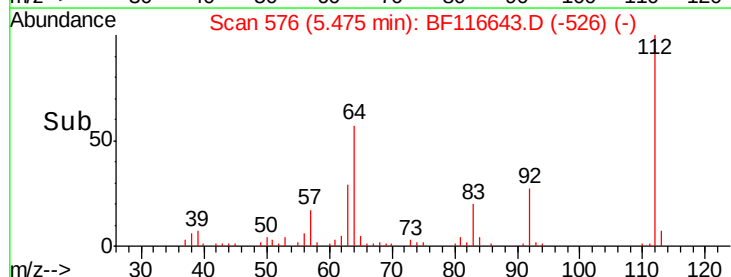
#5

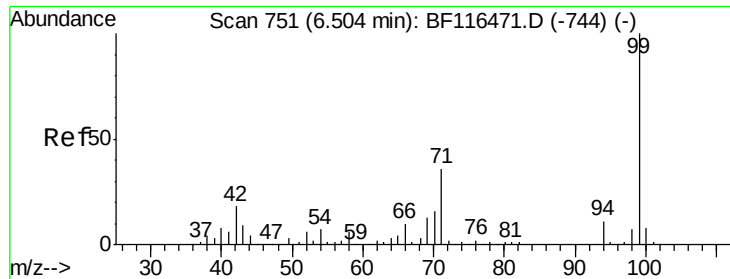
2-Fluorophenol
Concen: 11.570 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:112 Resp: 52701
Ion Ratio Lower Upper
112 100
64 57.1 48.0 72.0
63 29.4 24.6 36.8



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: 8.875 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116643.D

Acq: 29 Aug 2019 4:12

Instrument :

BNA_F

ClientSampleId :

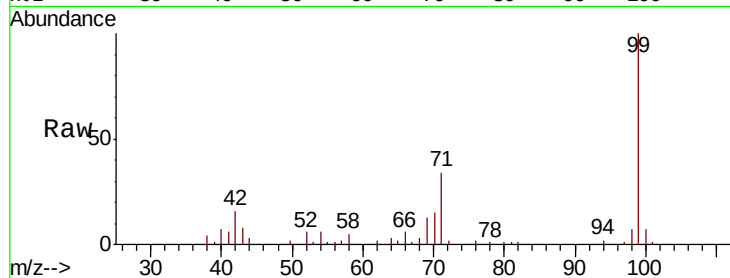
Tot Ion: 99 Resp: 54807

Ion Ratio Lower Upper

99 100

42 15.7 13.2 19.8

71 34.4 27.4 41.2

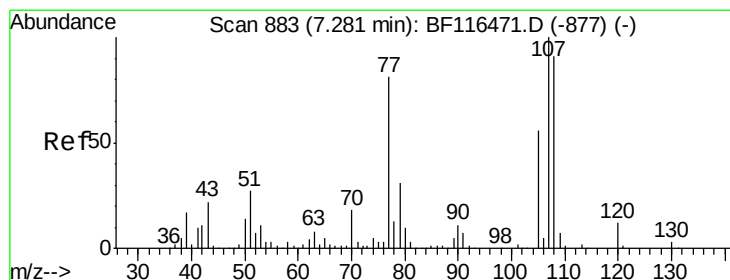
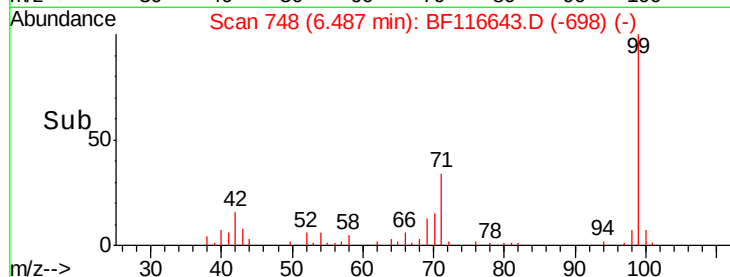
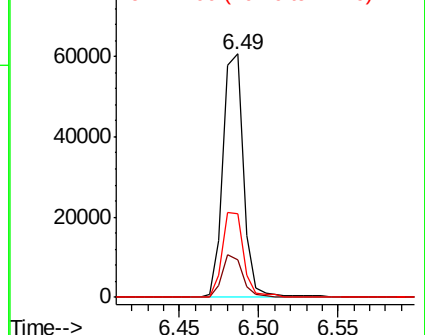


Abundance

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



#20

3+4-Methylphenols

Concen: 2.024 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF116643.D

Acq: 29 Aug 2019 4:12

Tgt Ion: 107 Resp: 11301

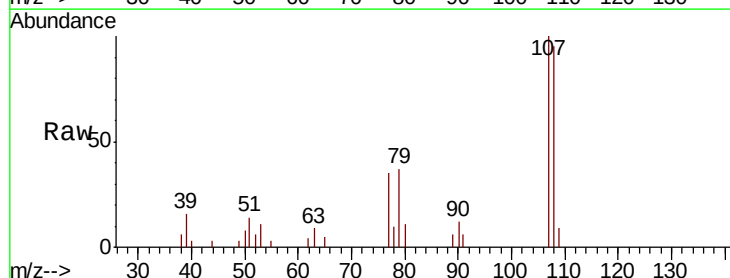
Ion Ratio Lower Upper

107 100

108 94.5 72.6 112.6

77 34.8 82.4 122.4#

79 37.4 10.6 50.6



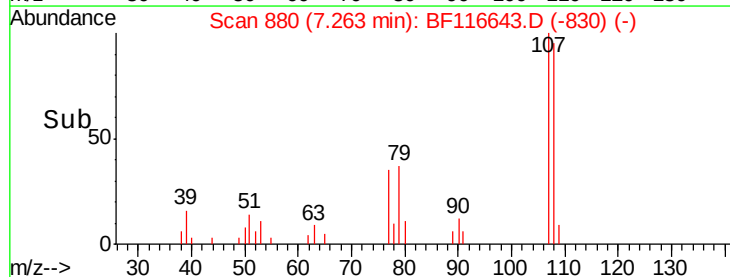
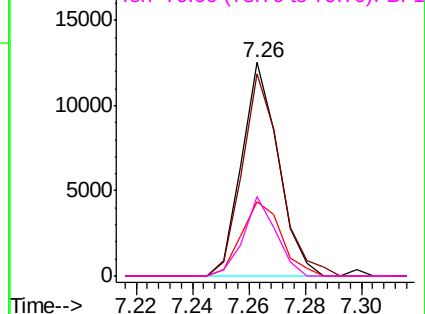
Abundance

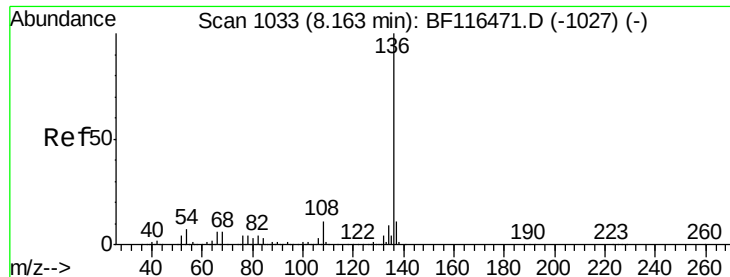
Ion 107.00 (106.70 to 107.70): E

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: 8.15 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF116643.D

Acq: 29 Aug 2019 4:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 437378

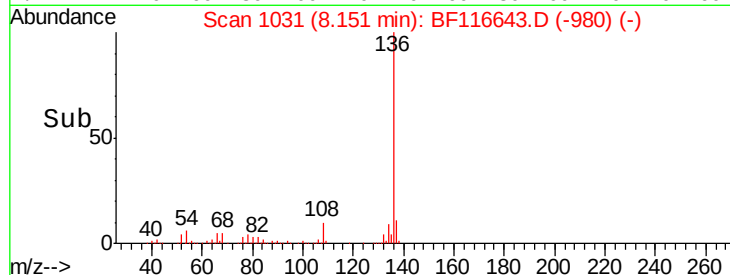
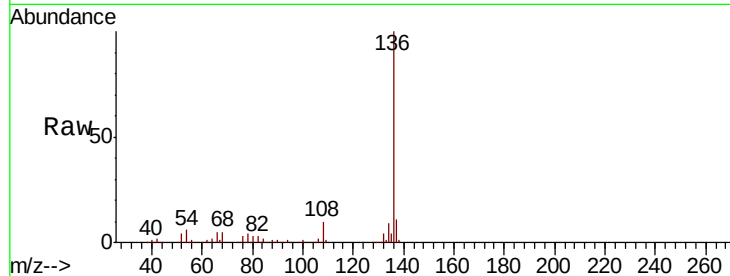
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.5 5.0 7.4

68 5.4 4.5 6.7

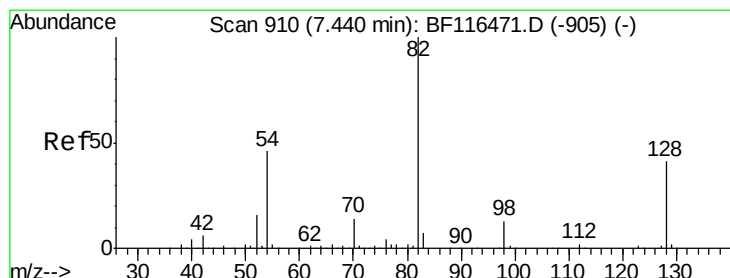
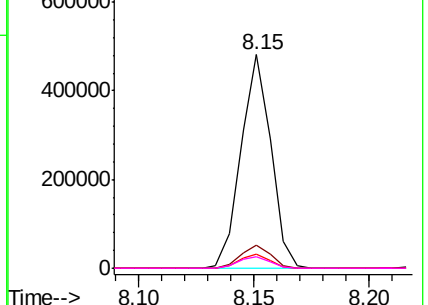


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.393 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF116643.D

Acq: 29 Aug 2019 4:12

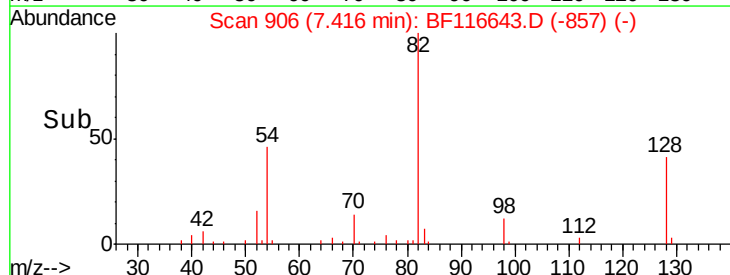
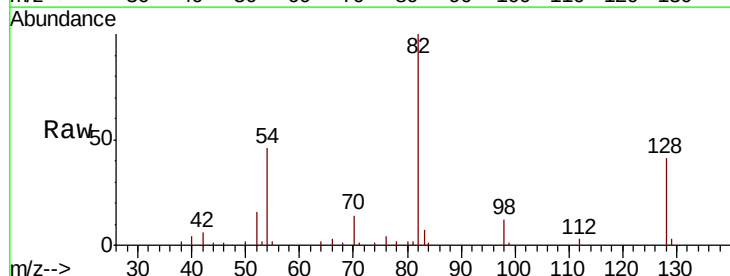
Tgt Ion: 82 Resp: 33579

Ion Ratio Lower Upper

82 100

128 40.6 35.0 52.6

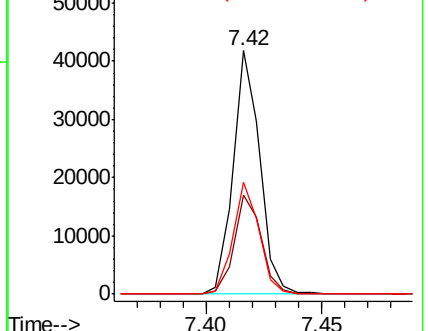
54 45.9 34.4 51.6

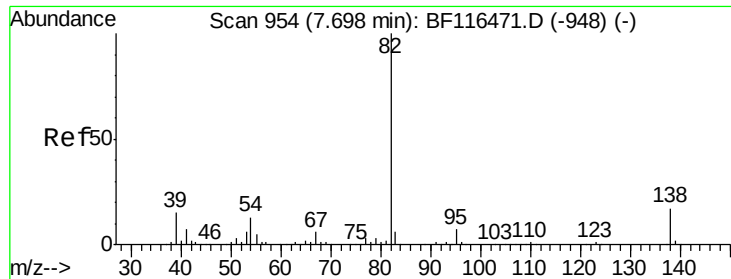


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 2.413 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.27 min

Lab File: BF116643.D

Acq: 29 Aug 2019 4:12

Instrument :

BNA_F

ClientSampleId :

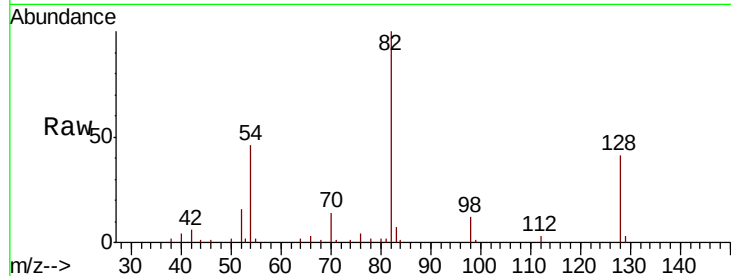
Tot Ion: 82 Resp: 33578

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

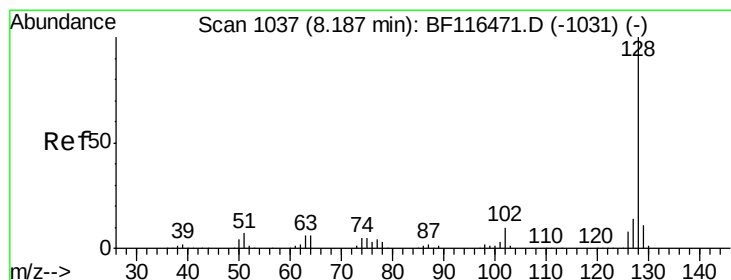
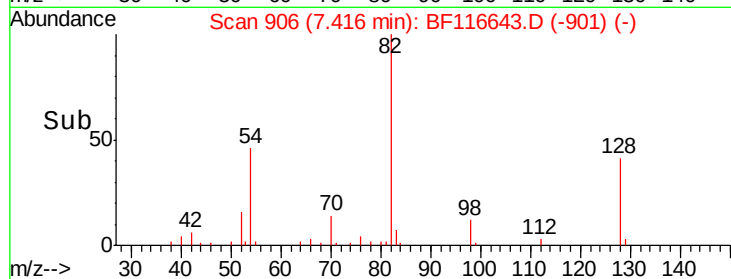
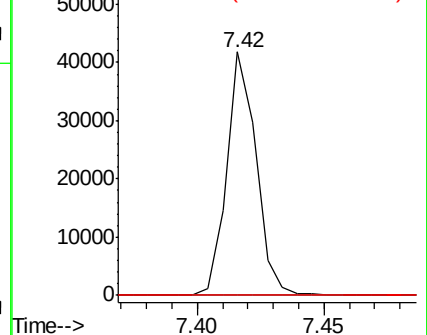
138 0.0 14.4 21.6#



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



#31

Naphthalene

Concen: 102.797 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BF116643.D

Acq: 29 Aug 2019 4:12

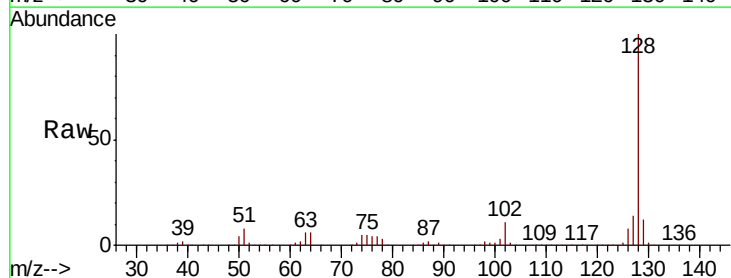
Tgt Ion: 128 Resp: 2153712

Ion Ratio Lower Upper

128 100

129 11.8 8.9 13.3

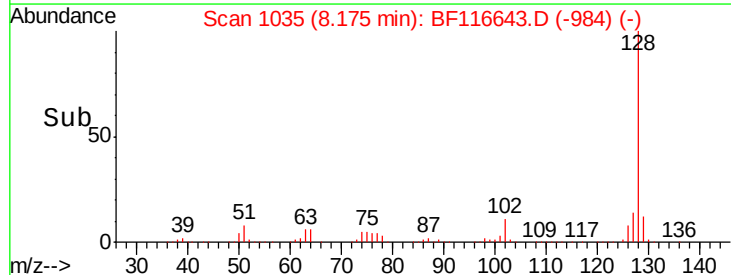
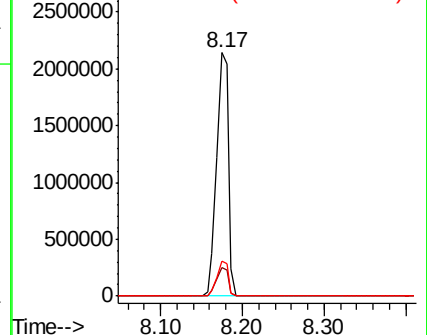
127 14.2 10.9 16.3

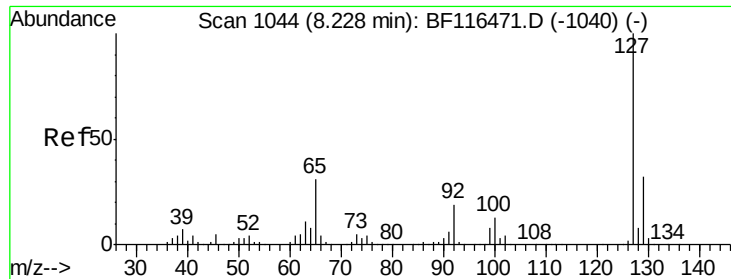


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

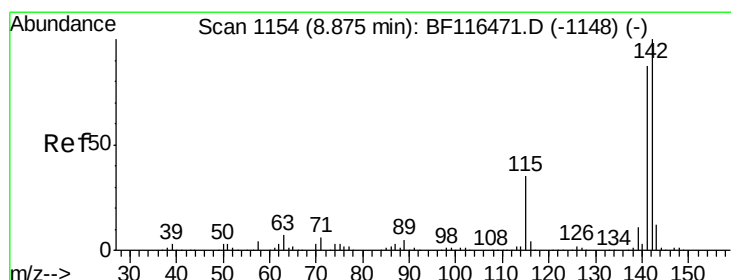
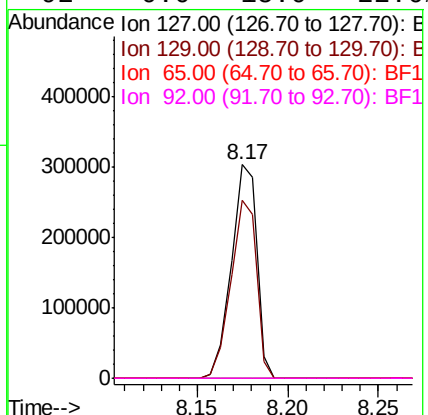
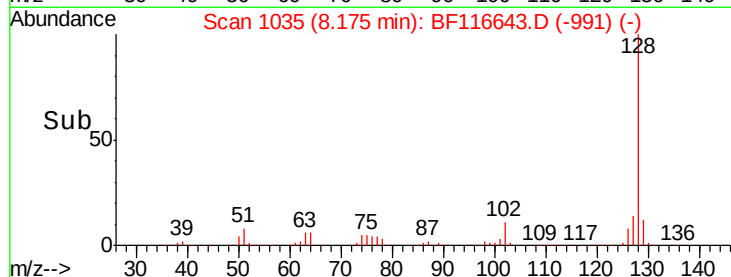
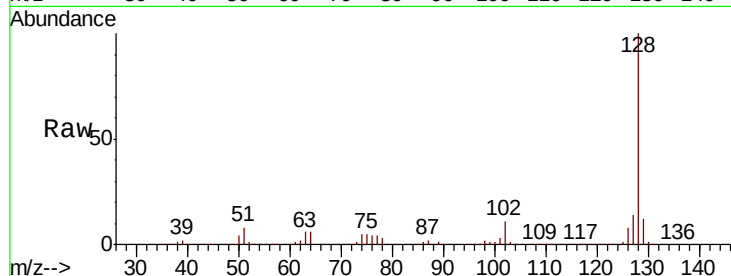




#33
4-Chloroaniline
Concen: 32.176 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.04 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

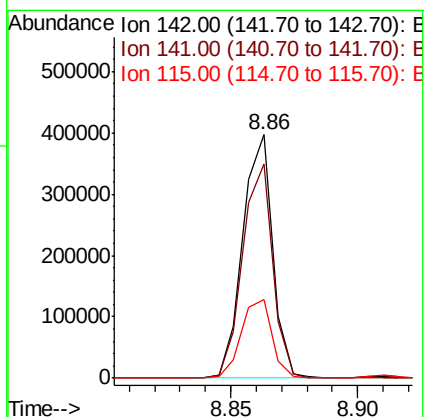
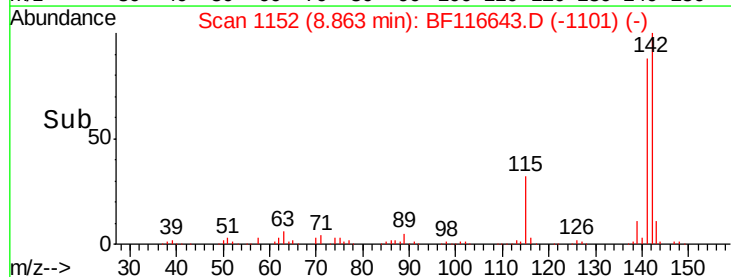
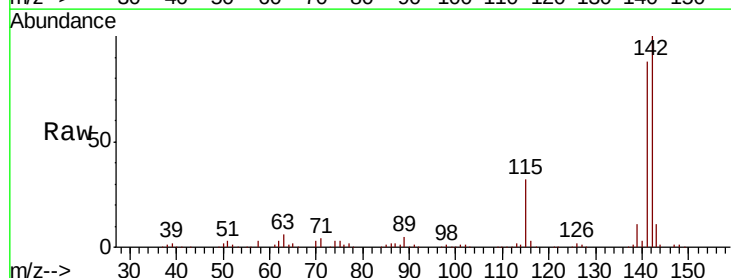
Instrument :
BNA_F
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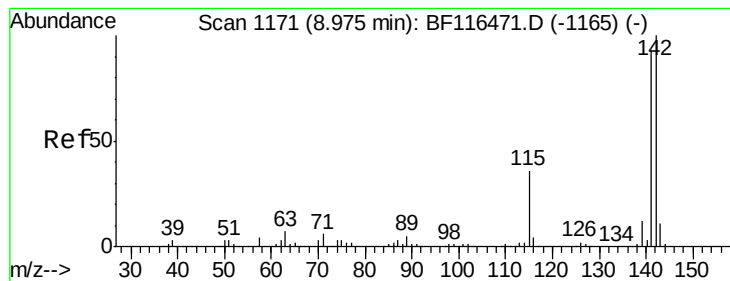
Tot Ion:127	Resp:	297113
Ion Ratio	Lower	Upper
127	100	
129	83.2	25.9 38.9#
65	0.0	22.6 33.8#
92	0.0	15.0 22.6#



#37
2-Methylnaphthalene
Concen: 24.927 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:142	Resp:	326148
Ion Ratio	Lower	Upper
142	100	
141	87.7	69.5 104.3
115	32.3	26.0 39.0





#38

1-Methylnaphthalene

Concen: 12.246 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF116643.D

Acq: 29 Aug 2019 4:12

Instrument :

BNA_F

ClientSampled :

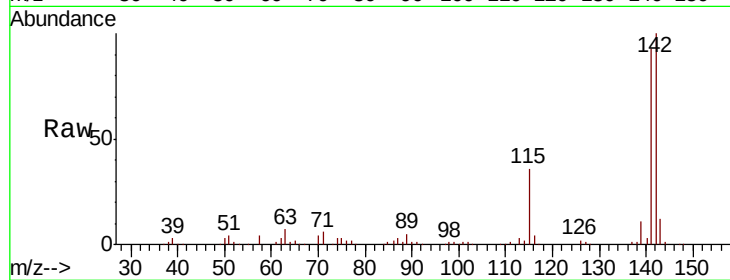
Tot Ion:142 Resp: 156486

Ion Ratio Lower Upper

142 100

141 92.9 73.1 109.7

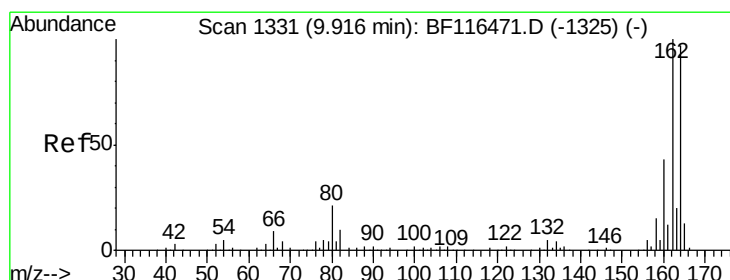
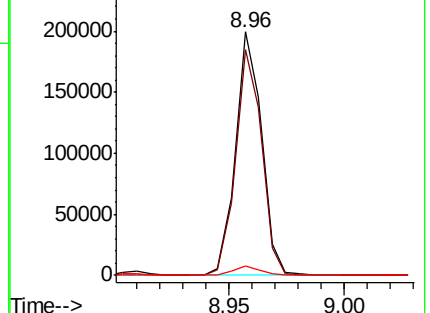
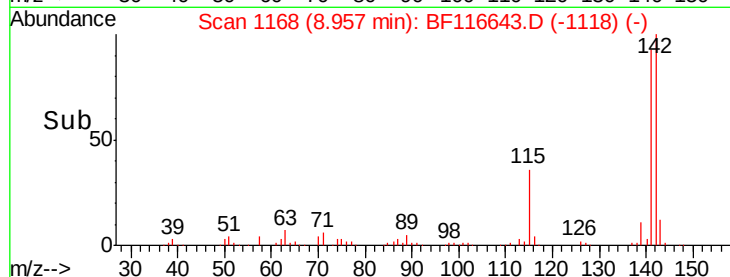
116 3.8 2.7 4.1



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: 9.90 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BF116643.D

Acq: 29 Aug 2019 4:12

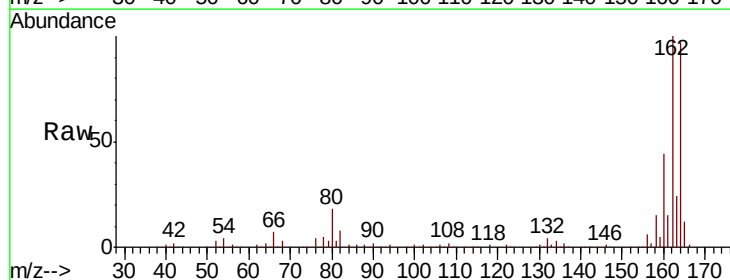
Tgt Ion:164 Resp: 222135

Ion Ratio Lower Upper

164 100

162 103.6 83.4 125.0

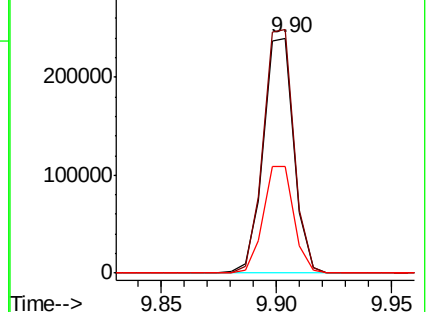
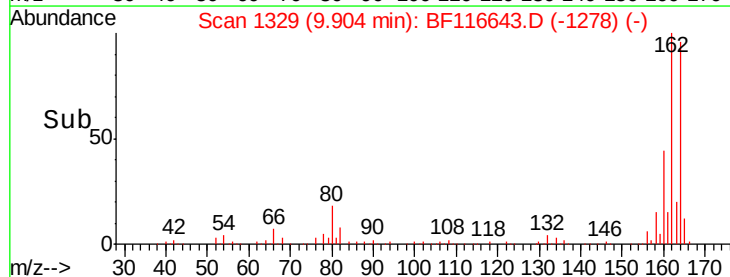
160 45.6 37.0 55.4

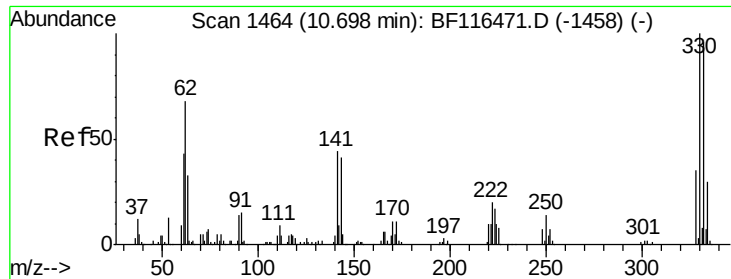


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

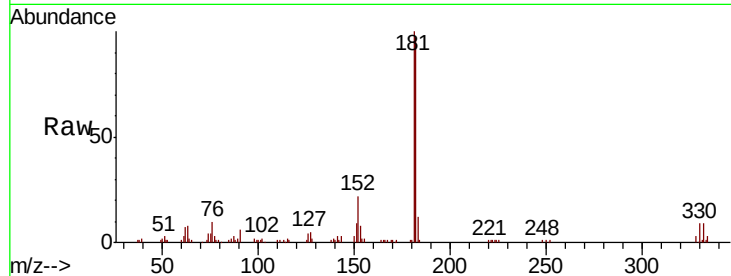




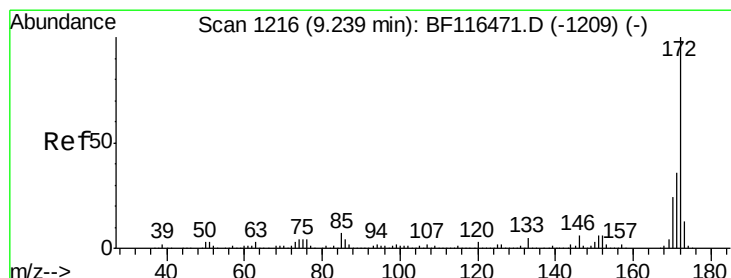
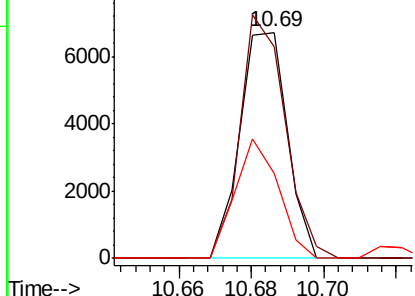
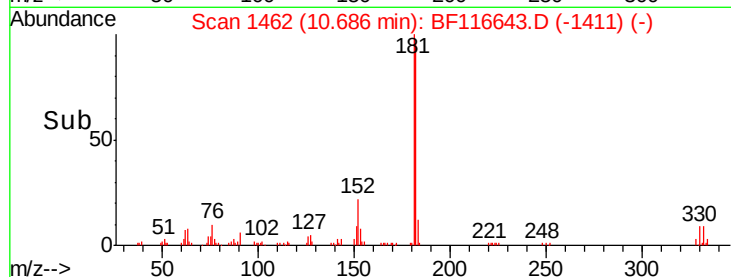
#42
 2,4,6-Tribromophenol
 Concen: 2.886 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: BF116643.D
 Acq: 29 Aug 2019 4:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 6101
 Ion Ratio Lower Upper
 330 100
 332 102.0 77.5 116.3
 141 48.6 28.2 42.2#

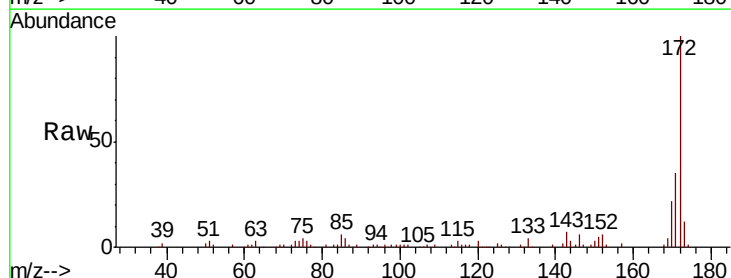


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

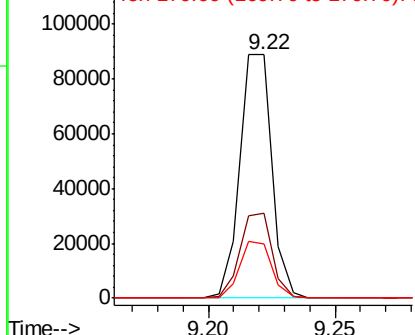
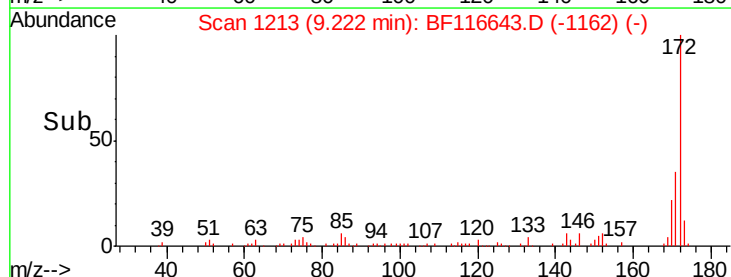


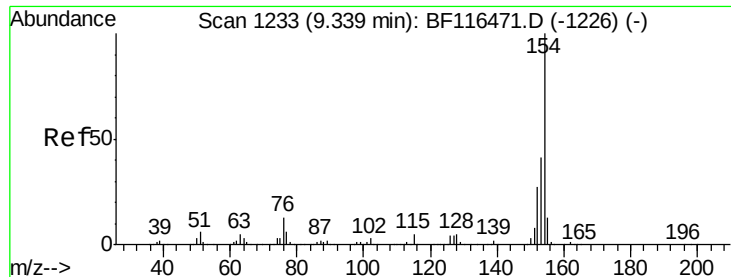
#45
 2-Fluorobiphenyl
 Concen: 5.840 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF116643.D
 Acq: 29 Aug 2019 4:12

Tgt Ion:172 Resp: 77946
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.0 43.6
 170 22.5 19.3 28.9



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

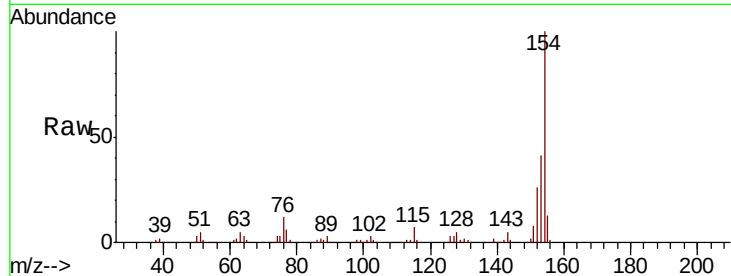




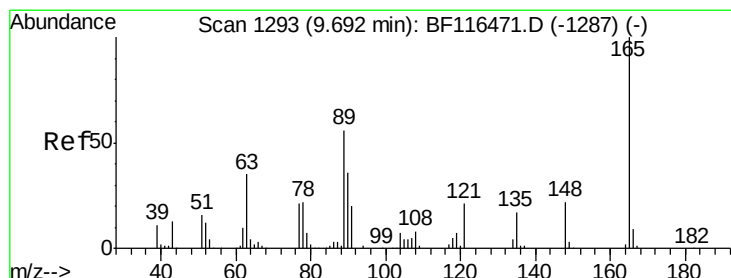
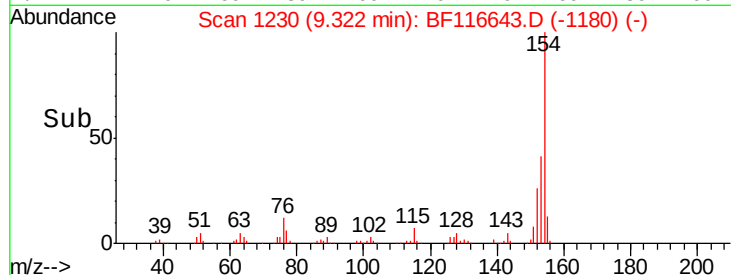
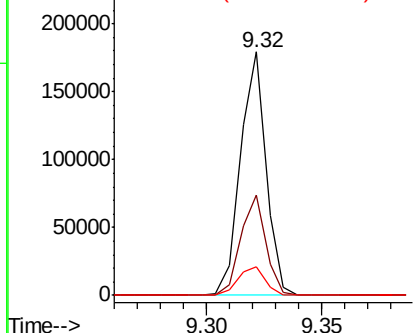
#46
 1,1'-Biphenyl
 Concen: 8.239 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF116643.D
 Acq: 29 Aug 2019 4:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.4	61.4
76	11.8	0.0	31.8

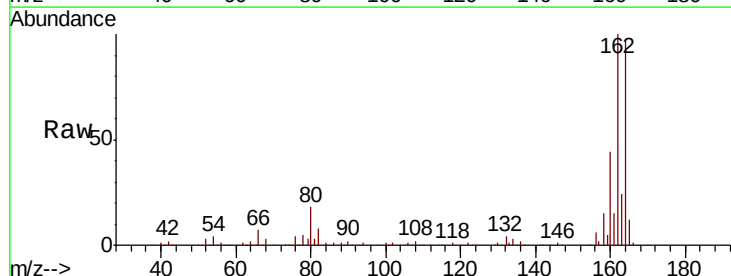


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

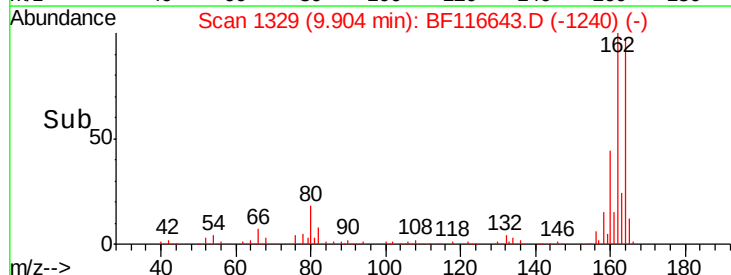
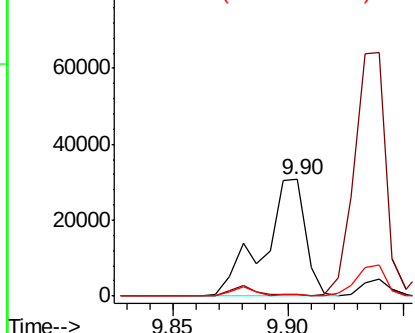


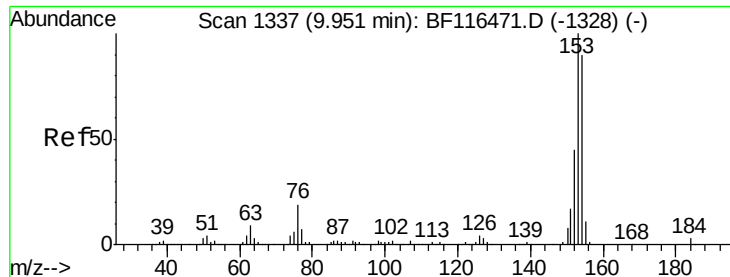
#51
 2,6-Dinitrotoluene
 Concen: 11.724 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.22 min
 Lab File: BF116643.D
 Acq: 29 Aug 2019 4:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	37.2	55.8#
89	1.7	40.8	61.2#



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





#52

Acenaphthene

Concen: 56.356 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BF116643.D

Acq: 29 Aug 2019 4:12

Instrument :

BNA_F

ClientSampleId :

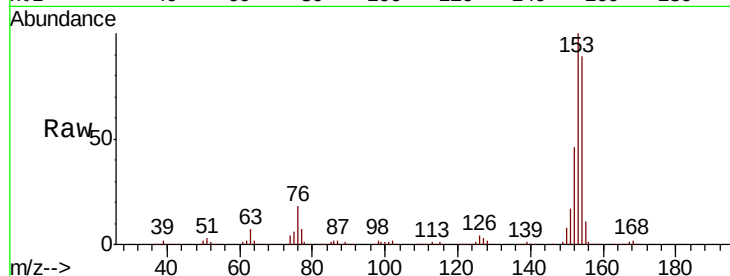
Tot Ion:154 Resp: 736750

Ion Ratio Lower Upper

154 100

153 112.5 86.6 129.8

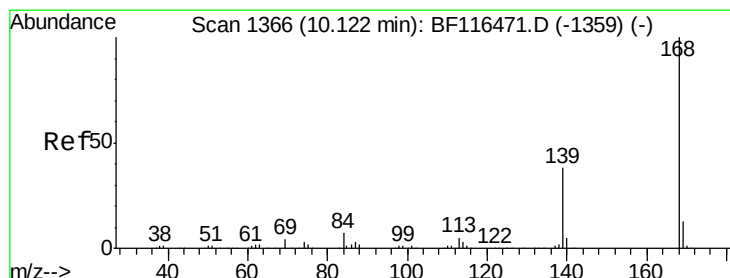
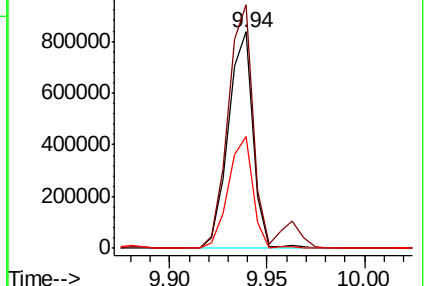
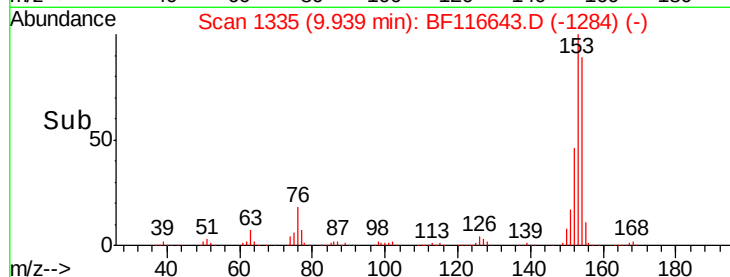
152 51.8 39.4 59.0



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: 51.437 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.01 min

Lab File: BF116643.D

Acq: 29 Aug 2019 4:12

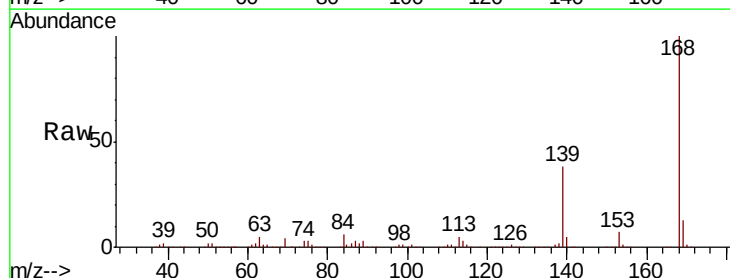
Tgt Ion:168 Resp: 905546

Ion Ratio Lower Upper

168 100

139 37.5 31.3 46.9

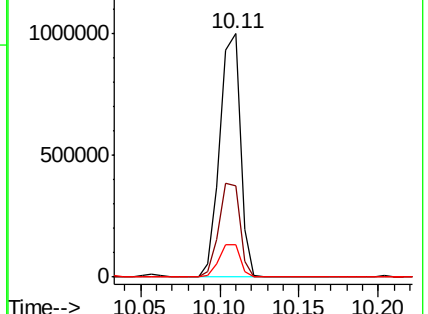
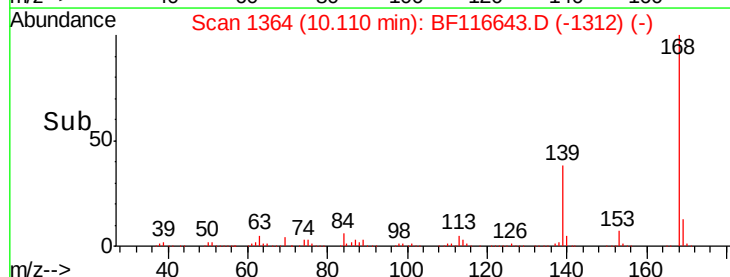
169 13.3 11.3 16.9

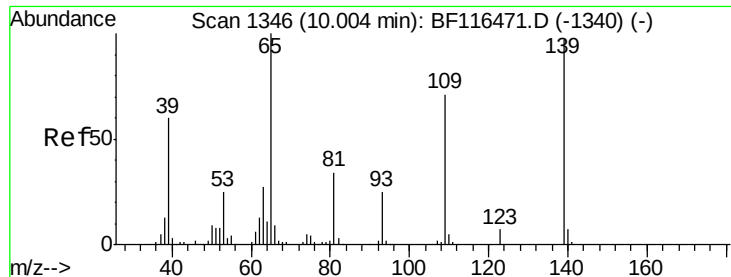


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

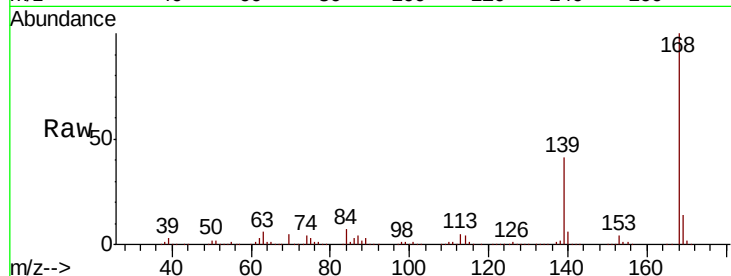




#56
4-Nitrophenol
Concen: 118.435 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.11 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.9	45.5	85.5#
65	1.5	66.8	106.8#

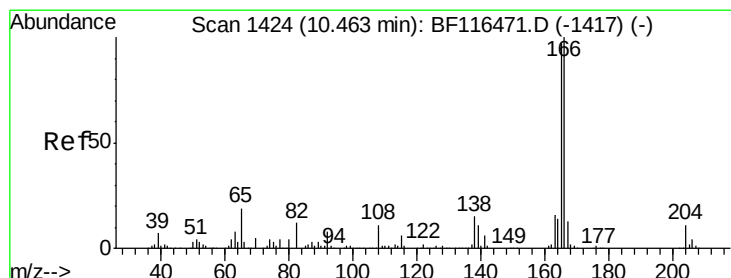
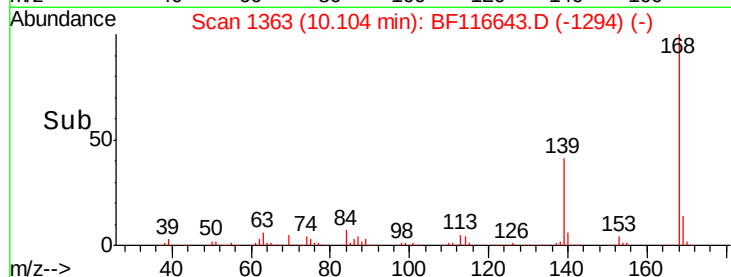
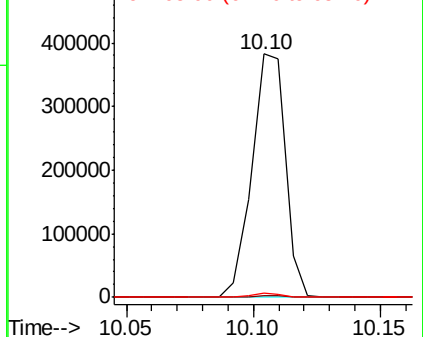


Abundance

Ion 139.00 (138.70 to 139.70): E

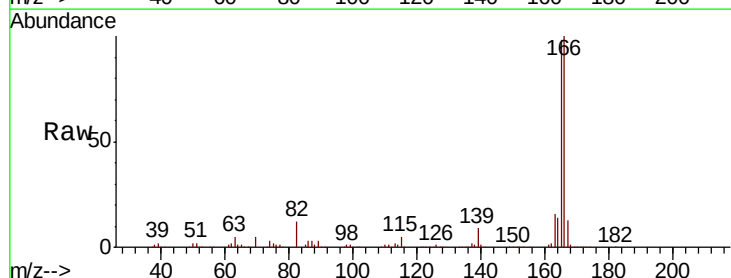
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#58
Fluorene
Concen: 41.416 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.8	116.6
167	13.2	10.6	16.0

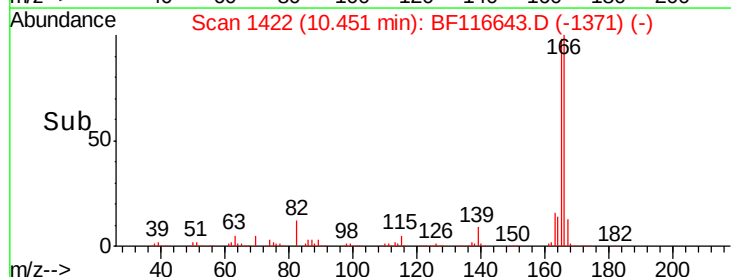
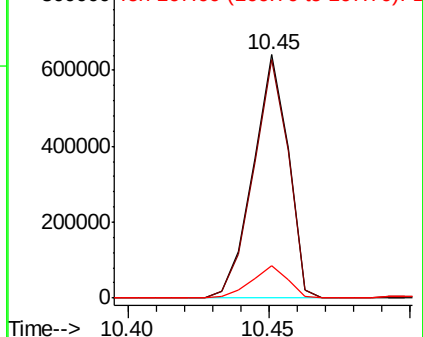


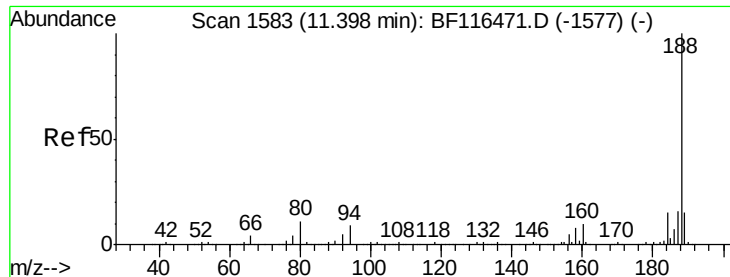
Abundance

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

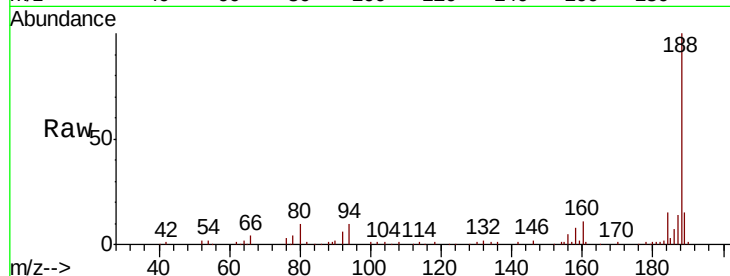




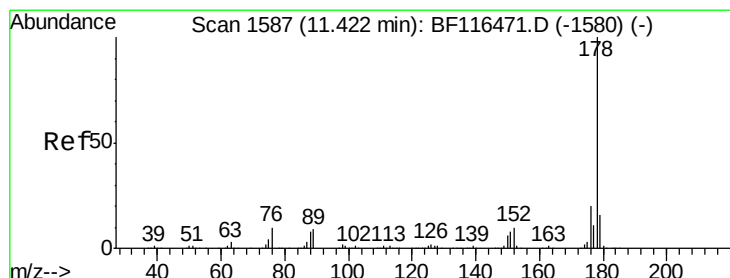
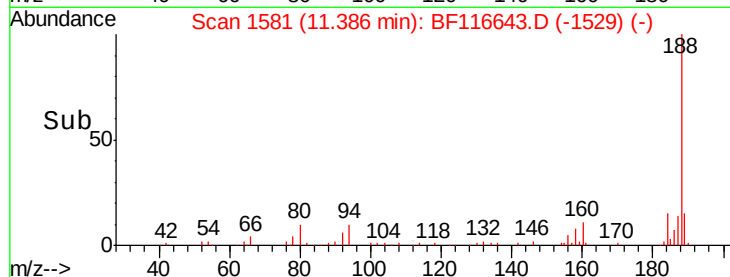
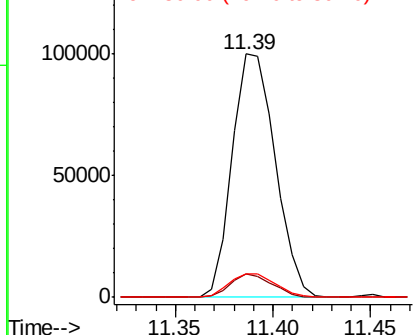
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BF116643.D
 Acq: 29 Aug 2019 4:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 152475
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.2 12.4
 80 9.8 8.9 13.3

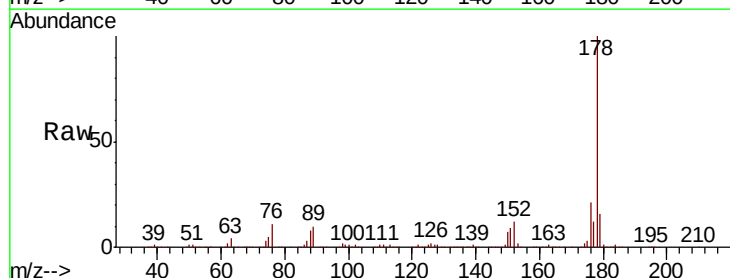


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

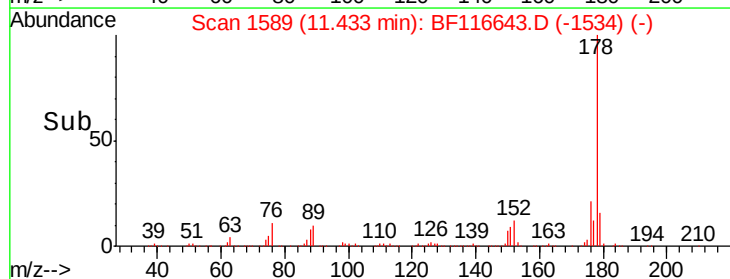
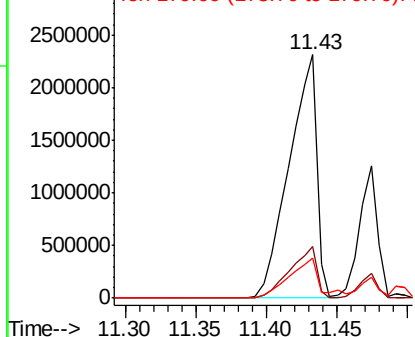


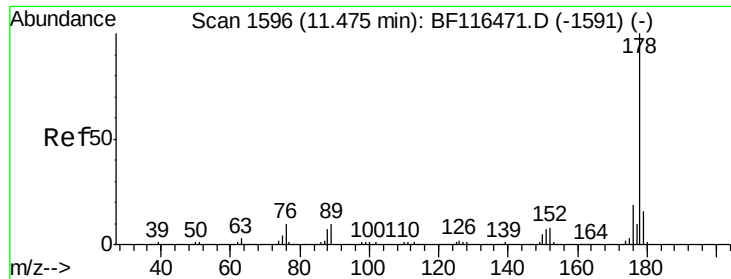
#71
 Phenanthrene
 Concen: 386.204 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.02 min
 Lab File: BF116643.D
 Acq: 29 Aug 2019 4:12

Tgt Ion:178 Resp: 3162922
 Ion Ratio Lower Upper
 178 100
 176 21.2 15.5 23.3
 179 16.2 12.4 18.6



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: 138.679 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.02 min

Lab File: BF116643.D

Acq: 29 Aug 2019 4:12

Instrument :

BNA_F

ClientSampleId :

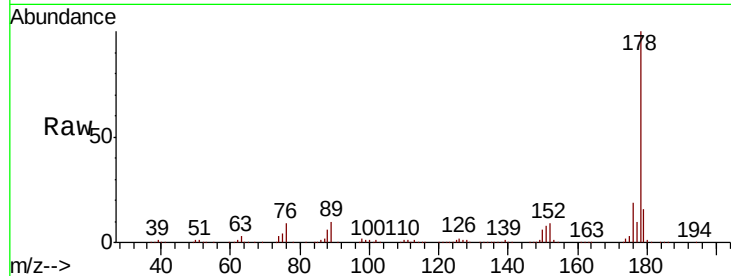
Tot Ion:178 Resp: 1135628

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.5	12.7	19.1

178 100

176 19.0 15.1 22.7

179 15.5 12.7 19.1

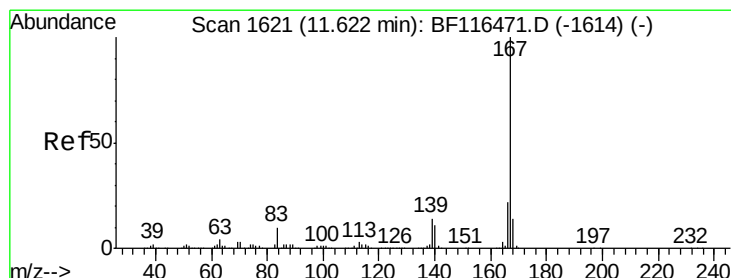
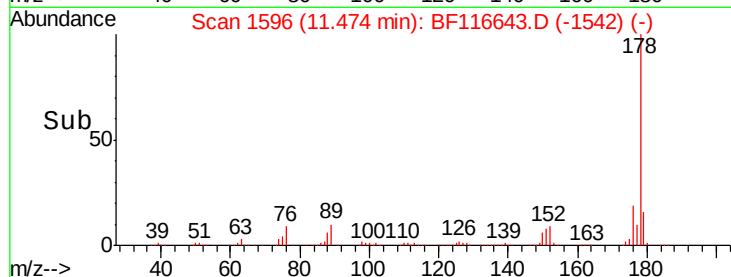
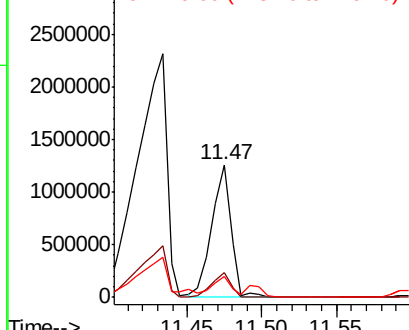


Abundance

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: 73.982 ng

RT: 11.62 min Scan# 1620

Delta R.T. 0.01 min

Lab File: BF116643.D

Acq: 29 Aug 2019 4:12

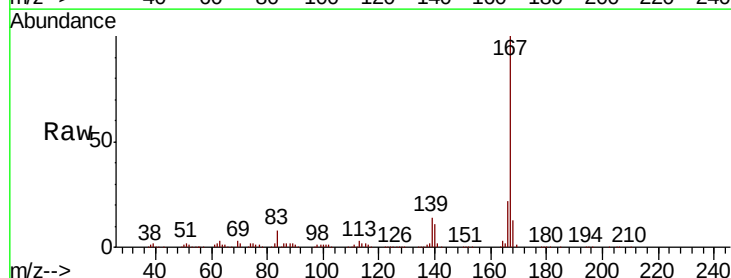
Tgt Ion:167 Resp: 515618

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.9	26.9
139	14.1	10.3	15.5

167 100

166 22.2 17.9 26.9

139 14.1 10.3 15.5

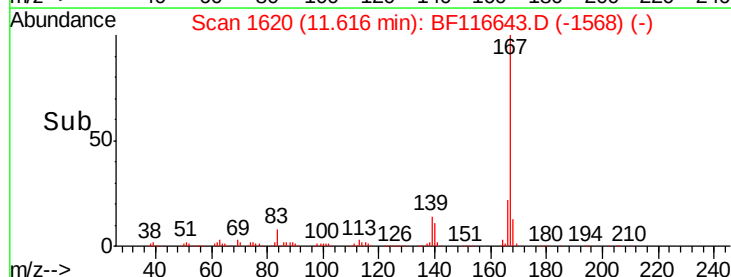
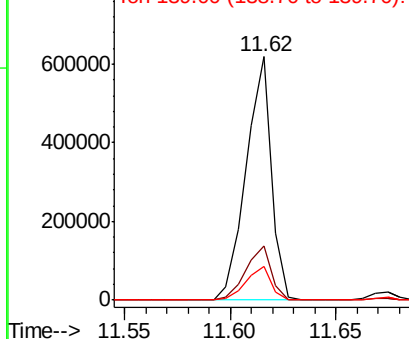


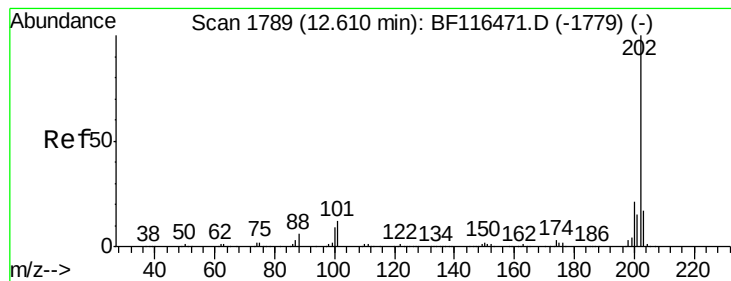
Abundance

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

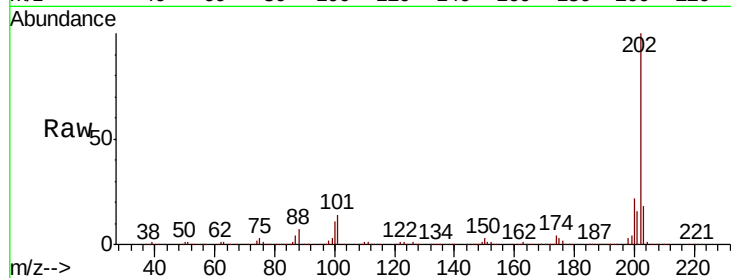




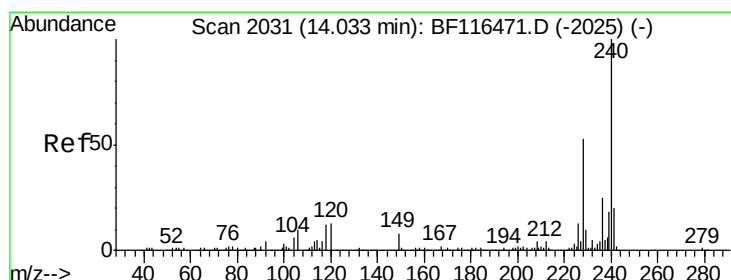
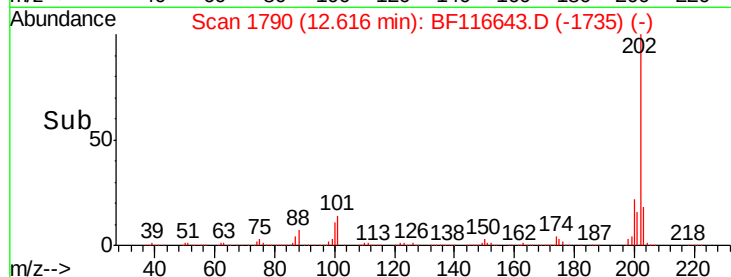
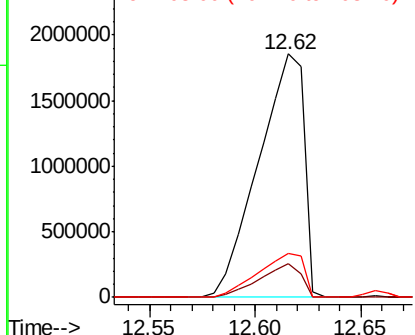
#75
 Fluoranthene
 Concen: 379.383 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. 0.02 min
 Lab File: BF116643.D
 Acq: 29 Aug 2019 4:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:202 Resp: 2786563
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 31.8
 203 18.3 0.0 37.1

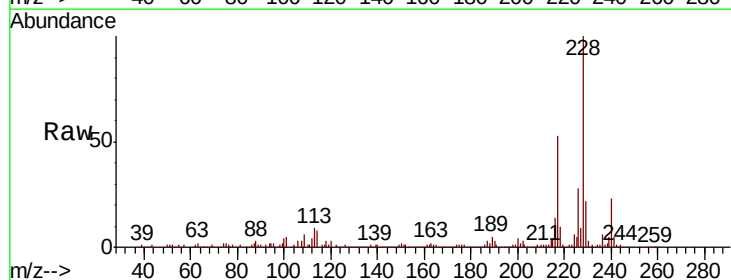


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

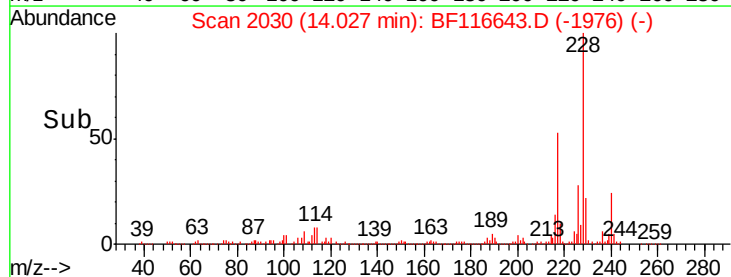
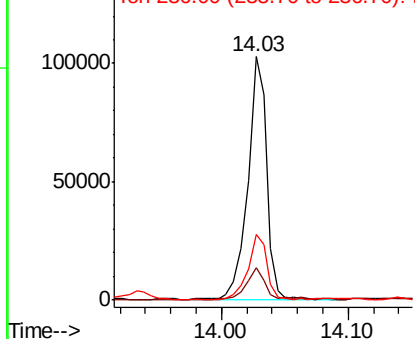


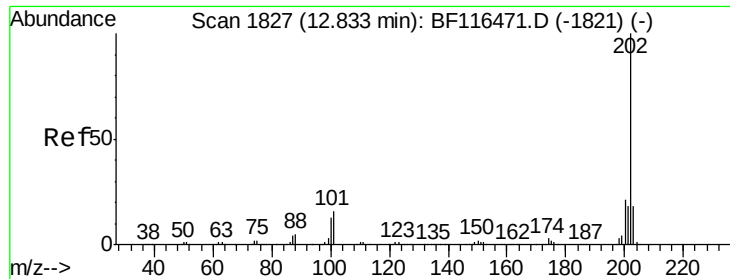
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.02 min
 Lab File: BF116643.D
 Acq: 29 Aug 2019 4:12

Tgt Ion:240 Resp: 105547
 Ion Ratio Lower Upper
 240 100
 120 13.1 11.3 16.9
 236 27.1 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

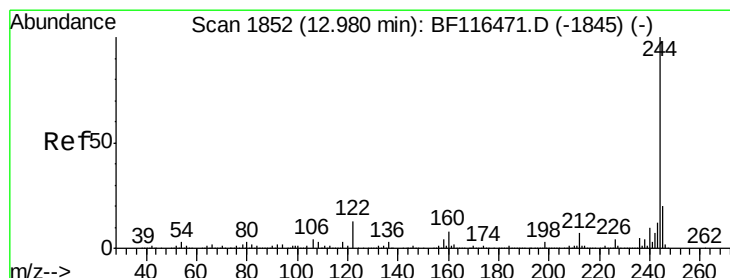
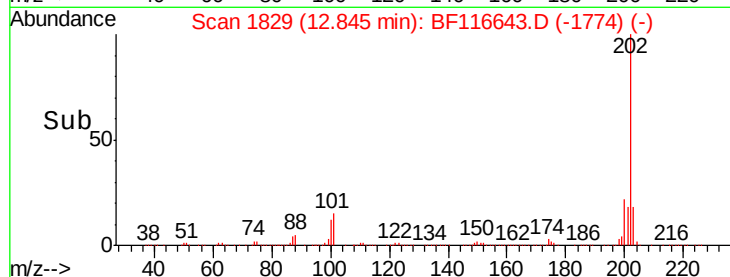
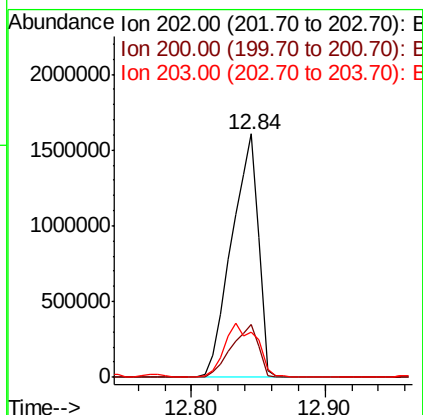
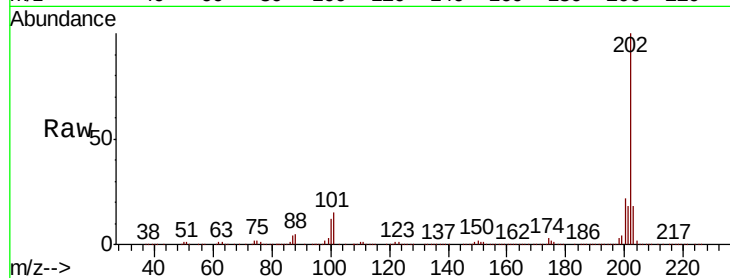




#78
Pvrene
Concen: 231.530 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

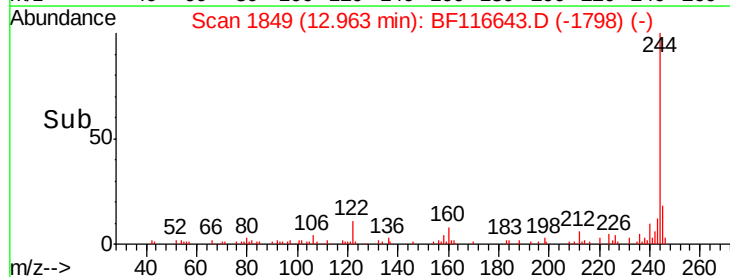
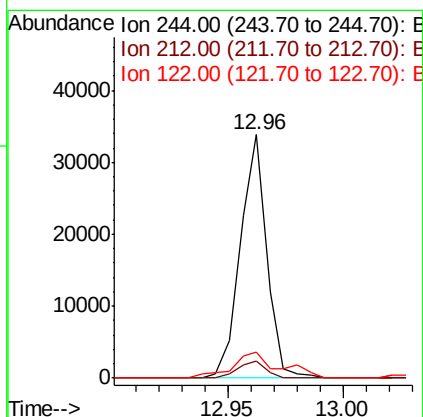
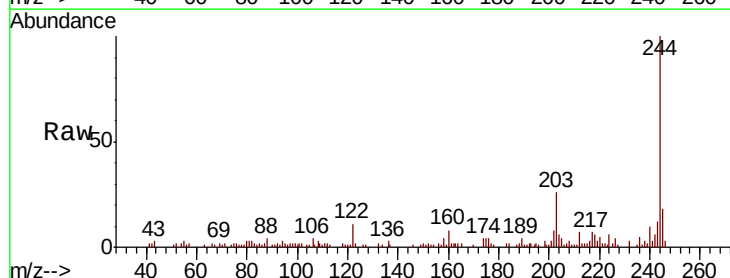
Instrument :
BNA_F
ClientSampleId :

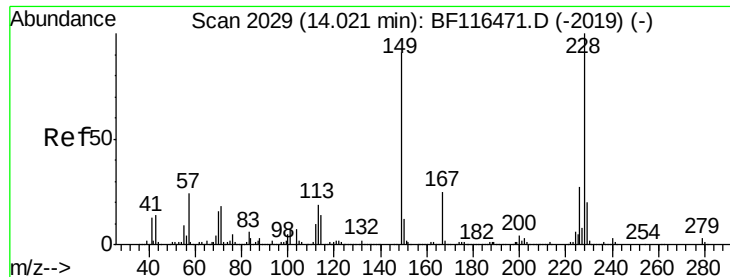
Tot Ion:202 Resp: 2247107
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.0
203 18.4 14.2 21.4



#79
Terphenyl-d14
Concen: 4.157 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:244 Resp: 26978
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 10.9 10.0 15.0

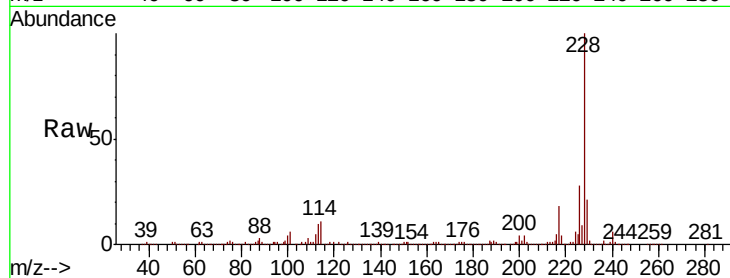




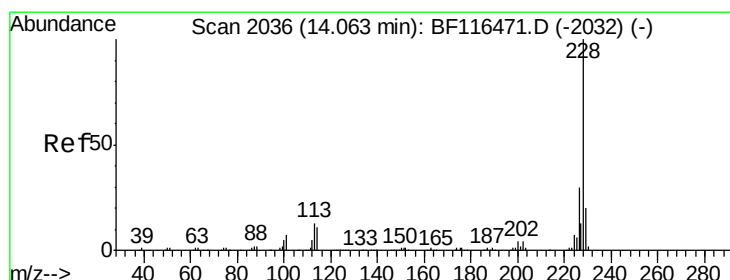
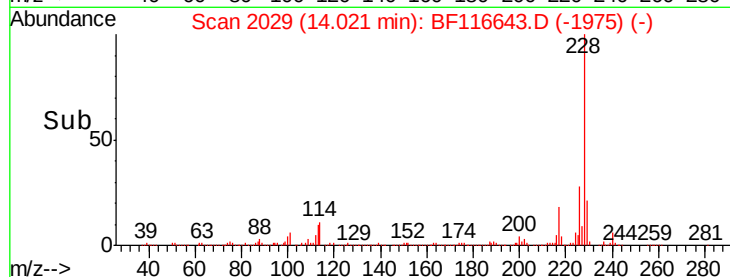
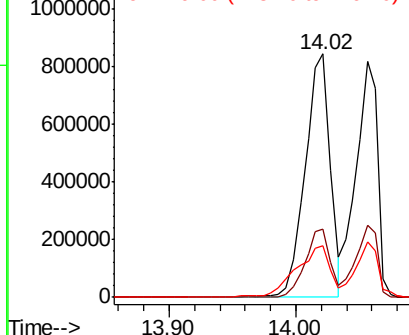
#81
Benzo(a)anthracene
Concen: 164.407 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 1156917
Ion Ratio Lower Upper
228 100
226 28.1 21.5 32.3
229 21.1 15.4 23.0

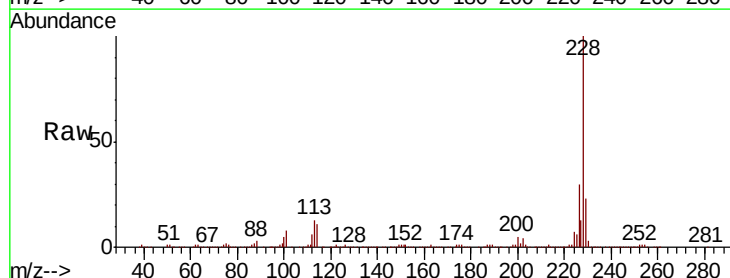


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

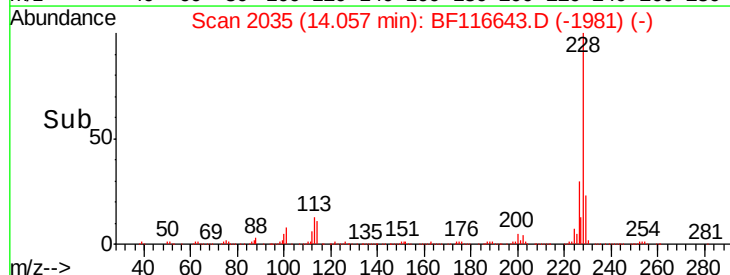
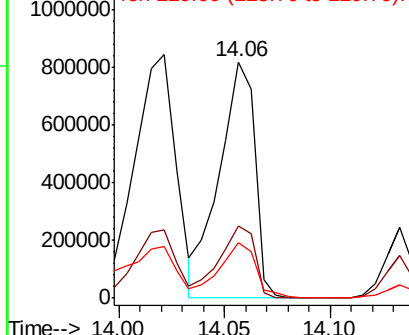


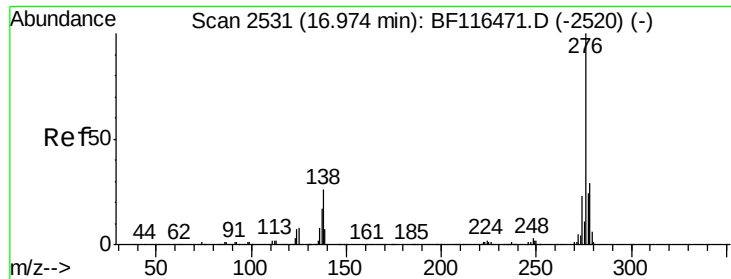
#83
Chrysene
Concen: 138.020 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:228 Resp: 950806
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 23.3 15.8 23.8



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

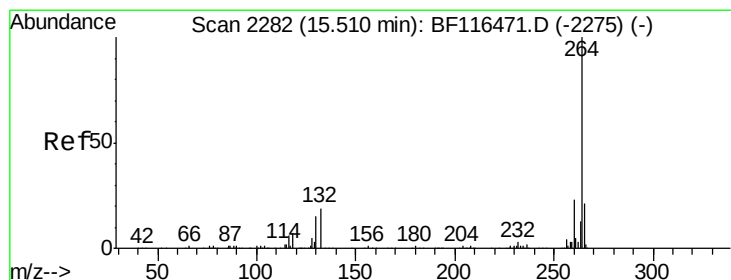
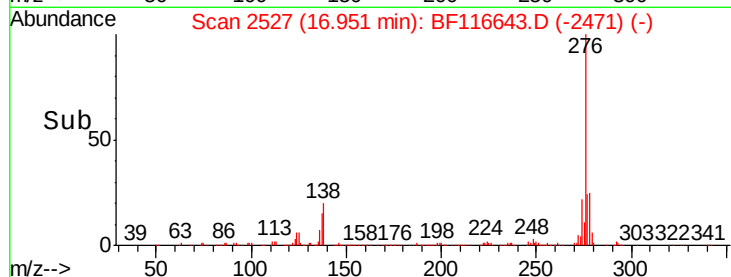
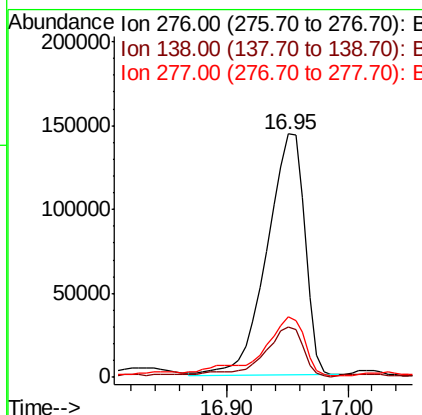
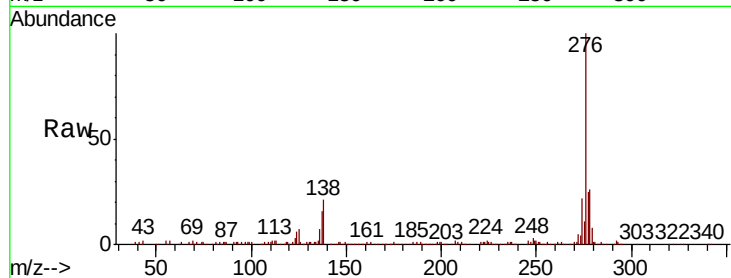




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 50.672 ng
 RT: 16.95 min Scan# 2527
 Delta R.T. 0.03 min
 Lab File: BF116643.D
 Acq: 29 Aug 2019 4:12

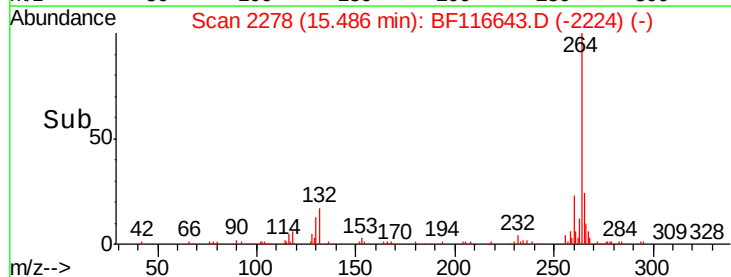
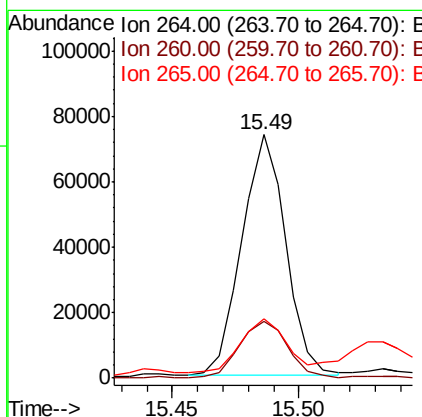
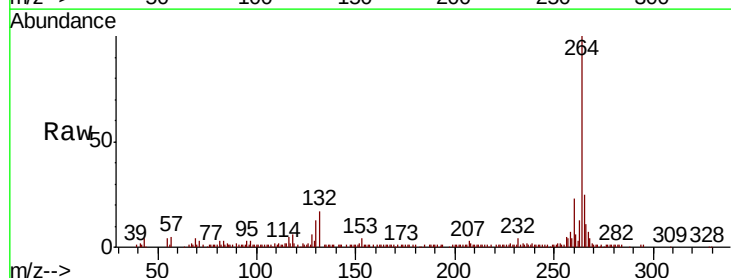
Instrument :
 BNA_F
 ClientSampleId :

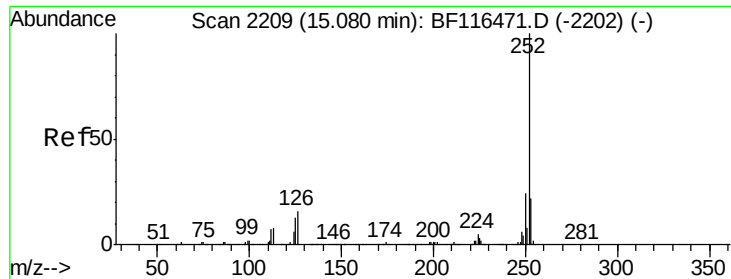
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	21.5	32.3#
277	23.8	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.02 min
 Lab File: BF116643.D
 Acq: 29 Aug 2019 4:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	20.0	30.0
265	24.6	17.6	26.4

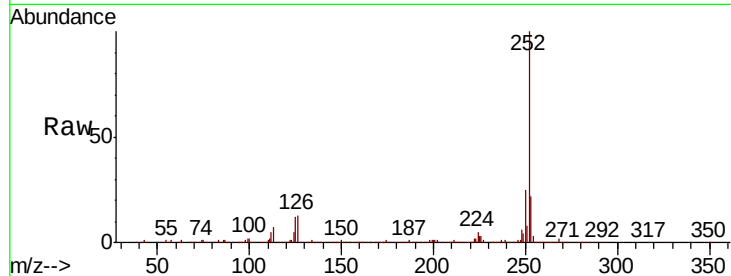




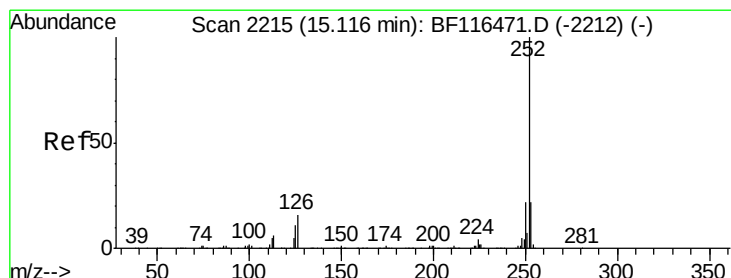
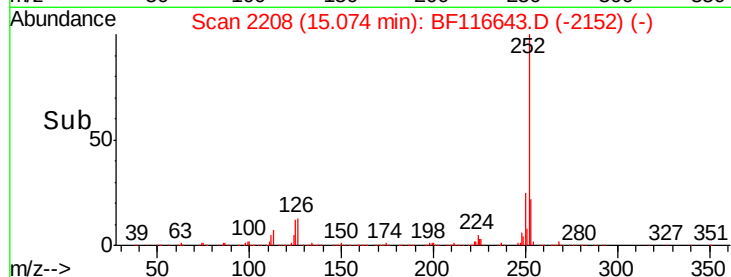
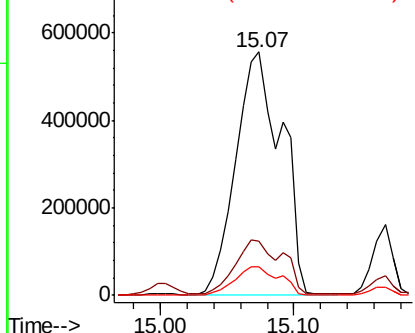
#88
Benzo(b)fluoranthene
Concen: 241.815 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.03 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1328510
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 11.8 9.0 13.6

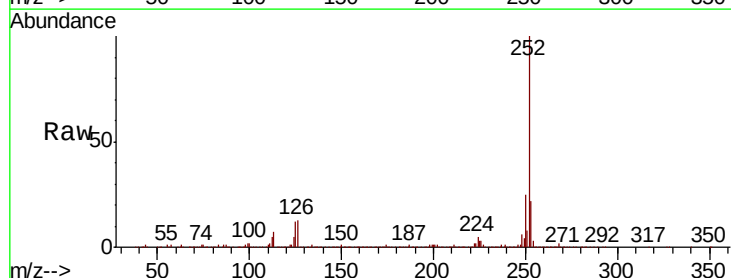


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

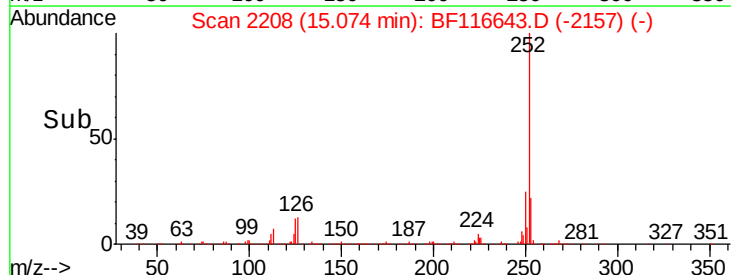
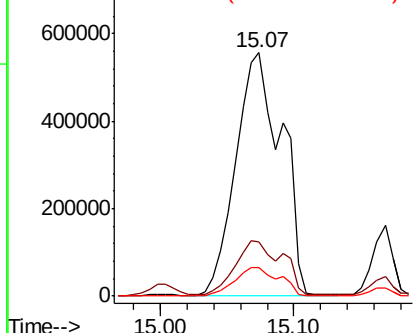


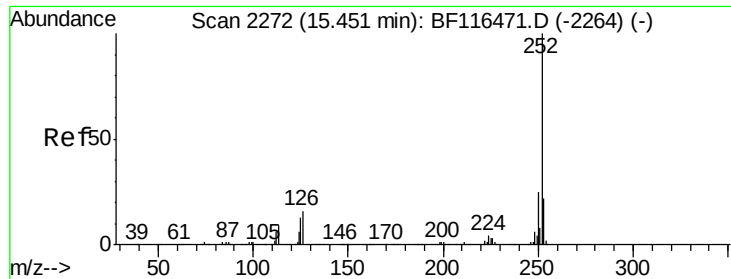
#89
Benzo(k)fluoranthene
Concen: 254.395 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:252 Resp: 1328510
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 11.8 8.6 13.0



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

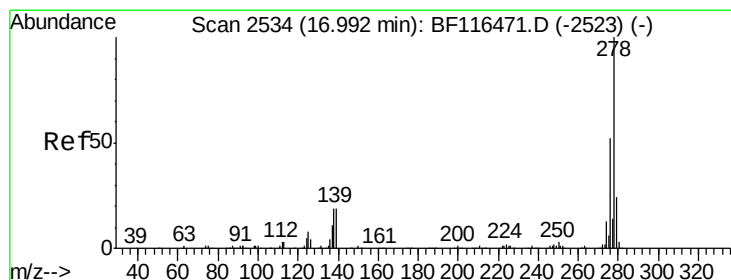
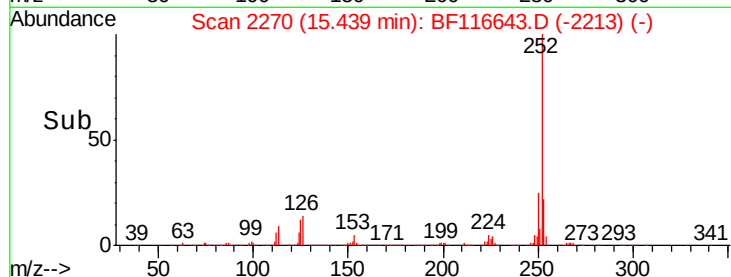
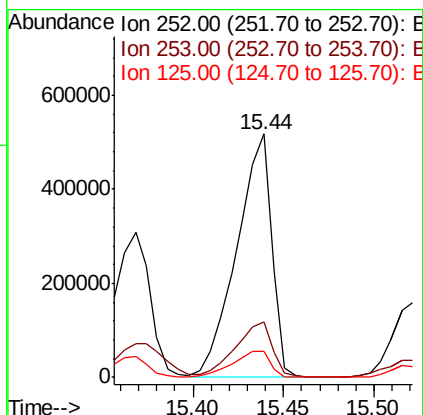
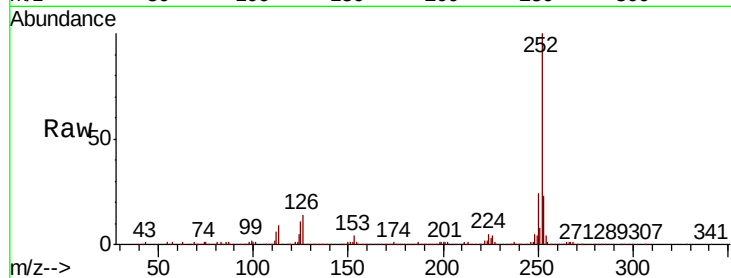




#90
Benzo(a)pyrene
Concen: 141.326 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.04 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

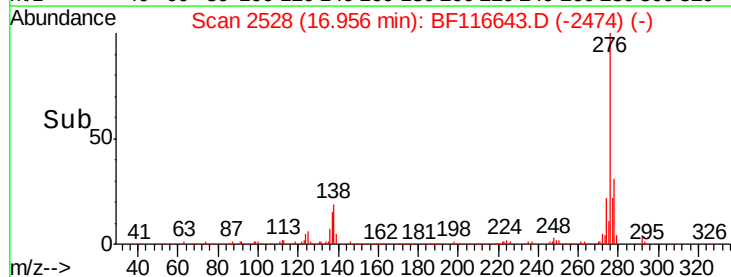
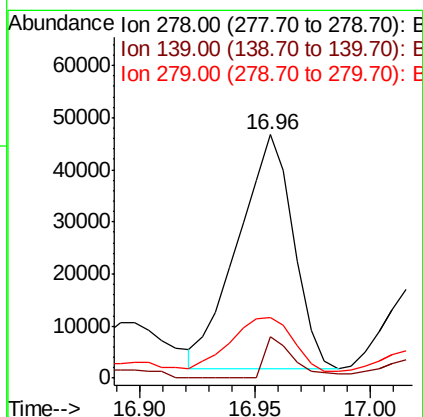
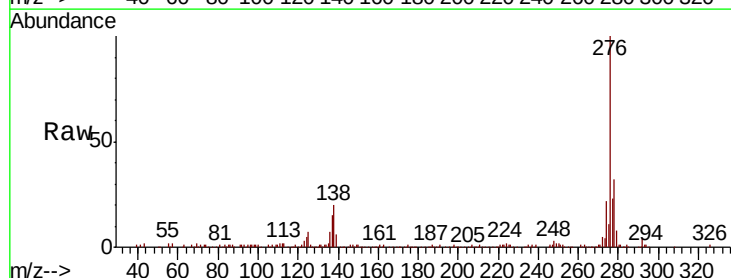
Instrument :
BNA_F
ClientSampleId :

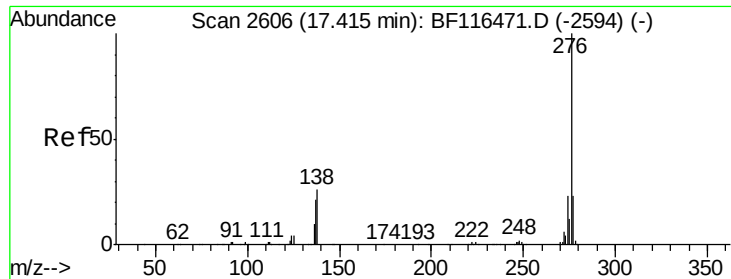
Tot Ion:252 Resp: 692961
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 10.9 10.6 16.0



#91
Dibenzo(a,h)anthracene
Concen: 16.391 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.02 min
Lab File: BF116643.D
Acq: 29 Aug 2019 4:12

Tgt Ion:278 Resp: 74993
Ion Ratio Lower Upper
278 100
139 17.0 14.1 21.1
279 24.7 19.5 29.3





#92
 Benzo(a,h,i)perylene
 Concen: 59.535 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.04 min
 Lab File: BF116643.D
 Acq: 29 Aug 2019 4:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	20.7	18.2	27.2

