

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114821.D
 Acq On : 5 Jun 2019 15:17
 Operator : HP/JU
 Sample : K3171-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 04:59:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	399634	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	1453033	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	657462	20.00	ng	0.00
64) Phenanthrene-d10	11.18	188	1206012	20.00	ng	0.01
76) Chrysene-d12	13.81	240	575022	20.00	ng	0.02
87) Perylene-d12	15.20	264	512923	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	328463	14.36	ng	0.00
7) Phenol-d6	6.30	99	1241621	44.62	ng	0.00
23) Nitrobenzene-d5	7.23	82	746107	31.61	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	16984	2.40	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1538450	43.83	ng	0.00
79) Terphenyl-d14	12.76	244	1381212	46.71	ng	0.00

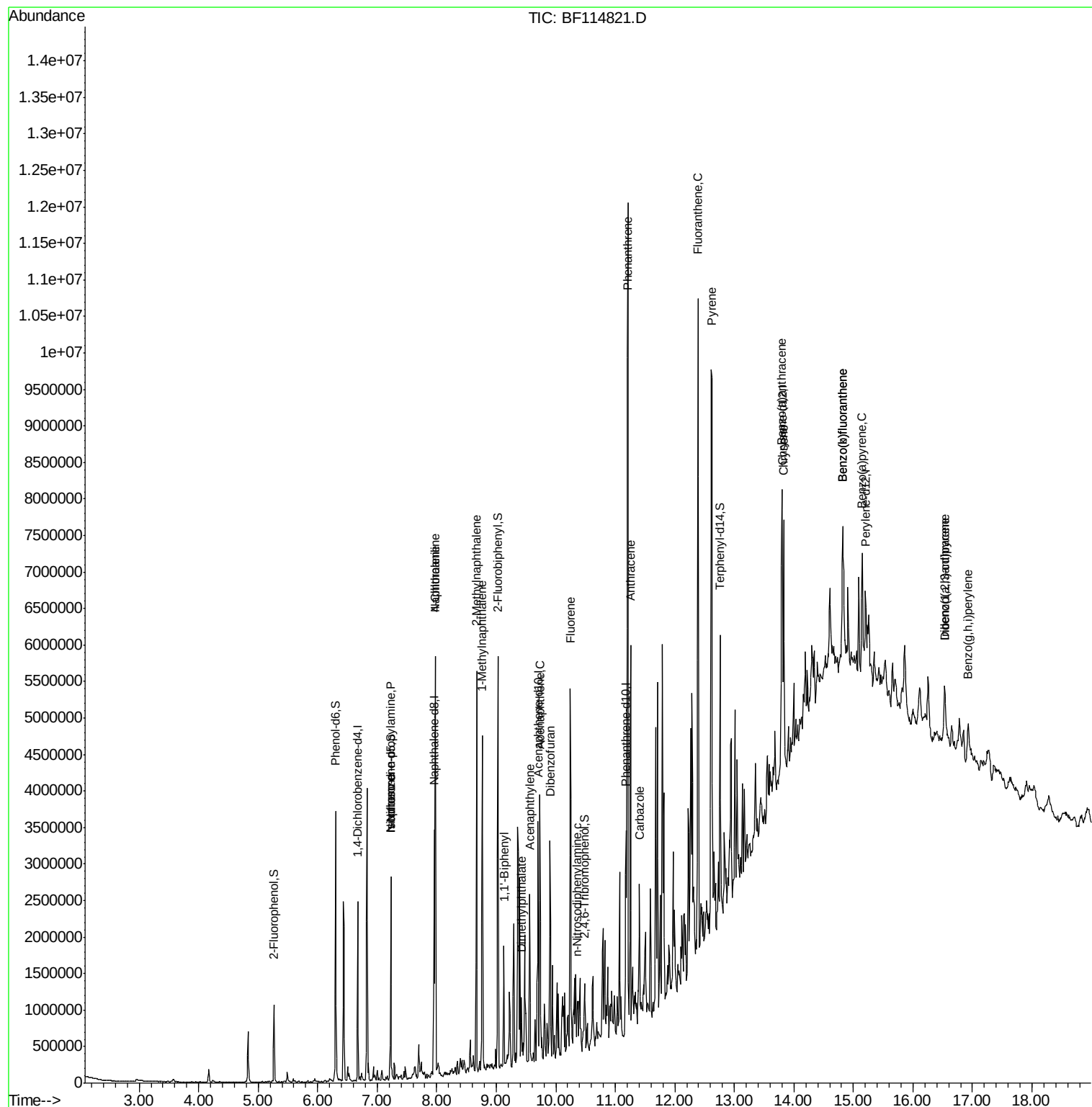
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.23	70	99571	5.405	ng	# 79
25) Isophorone	7.23	82	698969	14.979	ng	# 61
31) Naphthalene	7.97	128	2417331	36.953	ng	# 99
33) 4-Chloroaniline	7.97	127	341895	10.956	ng	# 33
37) 2-Methylnaphthalene	8.67	142	1449037	31.936	ng	# 99
38) 1-Methylnaphthalene	8.76	142	1149104	26.705	ng	# 99
46) 1,1'-Biphenyl	9.13	154	311866	6.400	ng	# 95
49) Acenaphthylene	9.56	152	504051	8.395	ng	# 93
50) Dimethylphthalate	9.42	163	251069	5.229	ng	# 97
52) Acenaphthene	9.73	154	675367	17.170	ng	# 98
55) Dibenzofuran	9.90	168	684684	12.518	ng	# 94
58) Fluorene	10.25	166	1313250	35.525	ng	# 98
66) n-Nitrosodiphenylamine	10.36	169	74751	2.050	ng	# 81
71) Phenanthrene	11.21	178	5196388	90.256	ng	# 95
72) Anthracene	11.26	178	1832868	30.250	ng	# 97
73) Carbazole	11.40	167	705899	13.590	ng	# 96
75) Fluoranthene	12.39	202	4103455	68.479	ng	# 97
78) Pyrene	12.62	202	3913266	78.448	ng	# 98
81) Benzo(a)anthracene	13.80	228	1479856	33.397	ng	# 96
83) Chrysene	13.83	228	1355475	31.445	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.53	276	490609	9.975	ng	# 94
88) Benzo(b)fluoranthene	14.82	252	1608178	49.250	ng	# 92
89) Benzo(k)fluoranthene	14.82	252	1608178	57.994	ng	# 94
90) Benzo(a)pyrene	15.15	252	918528	32.499	ng	# 94
91) Dibenzo(a,h)anthracene	16.54	278	140650	5.255	ng	# 58
92) Benzo(g,h,i)perylene	16.93	276	457876	17.012	ng	# 92

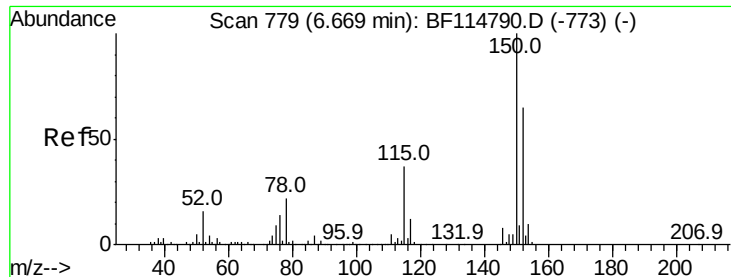
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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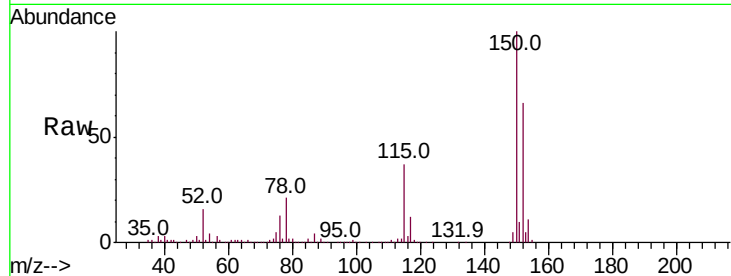


#1

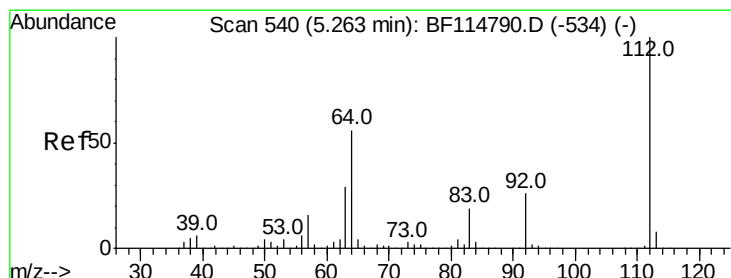
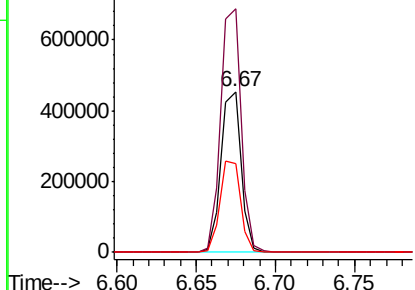
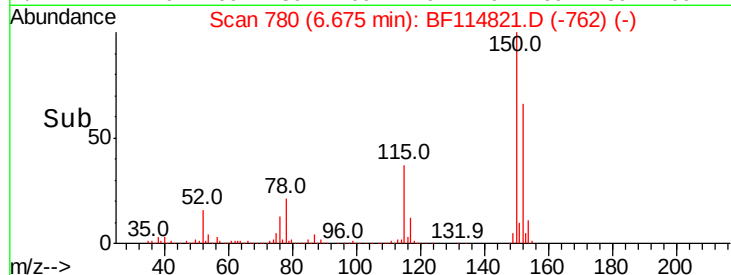
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. 0.01 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 399634
Ion Ratio Lower Upper
152 100
150 151.3 124.0 186.0
115 55.5 46.3 69.5



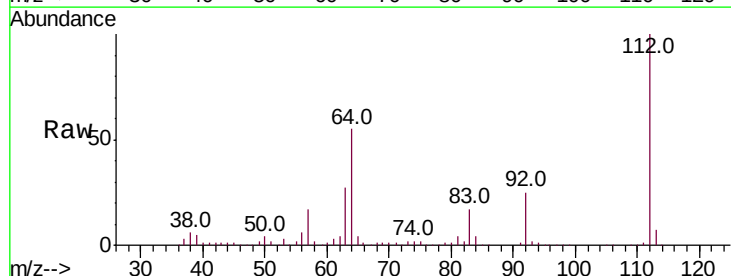
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



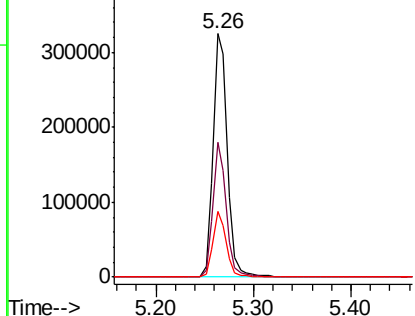
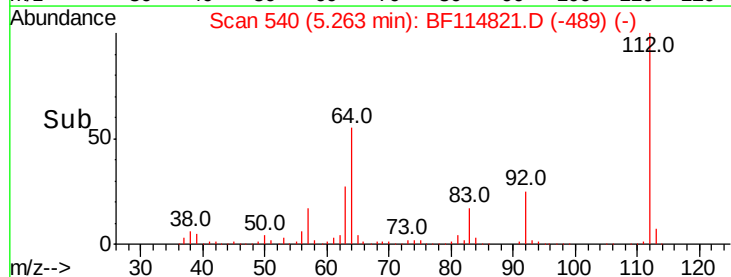
#5

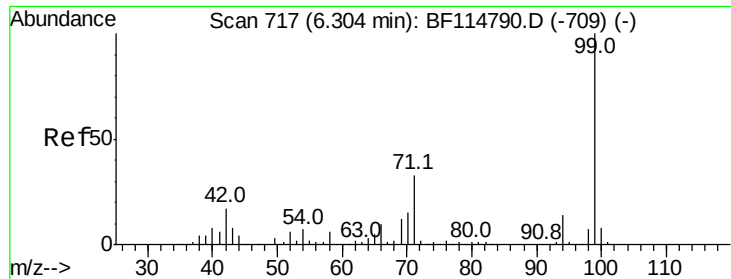
2-Fluorophenol
Concen: 14.362 ng
RT: 5.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

Tgt Ion:112 Resp: 328463
Ion Ratio Lower Upper
112 100
64 55.4 44.6 66.8
63 27.2 23.0 34.4



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: 44.616 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

Instrument :

BNA_F

ClientSampleId :

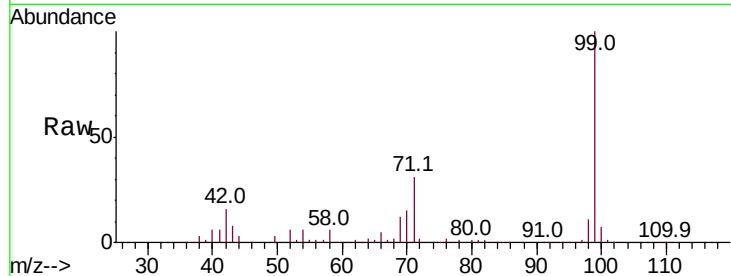
Tot Ion: 99 Resp: 1241621

Ion Ratio Lower Upper

99 100

42 15.8 13.3 19.9

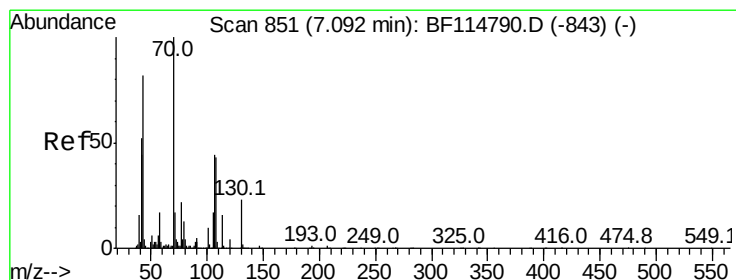
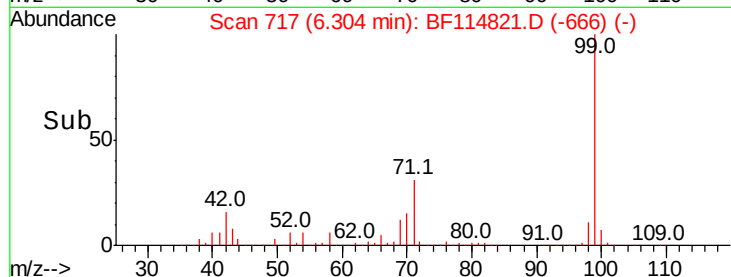
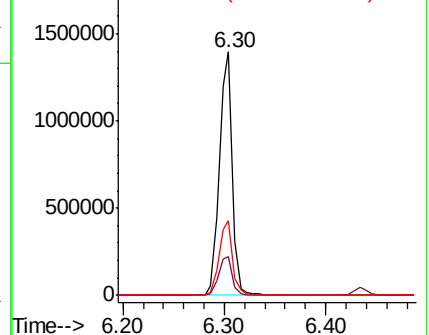
71 30.9 26.3 39.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.405 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

Tgt Ion: 70 Resp: 99571

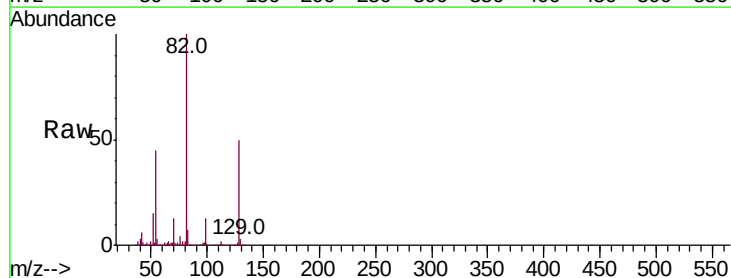
Ion Ratio Lower Upper

70 100

42 45.1 41.8 62.8

101 0.0 8.2 12.4#

130 2.6 18.5 27.7#

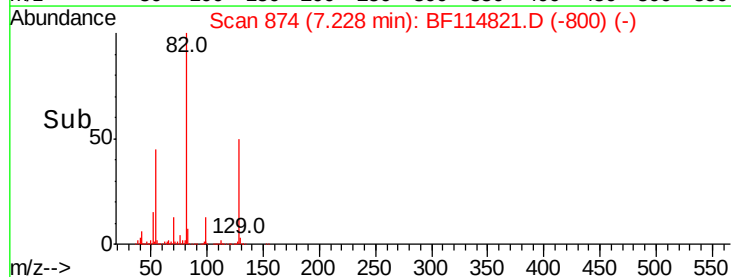
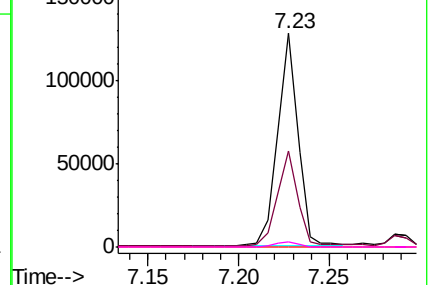


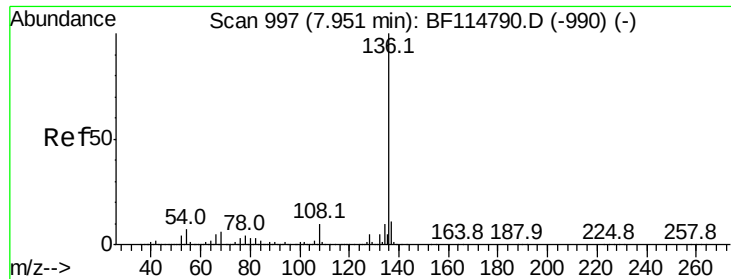
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



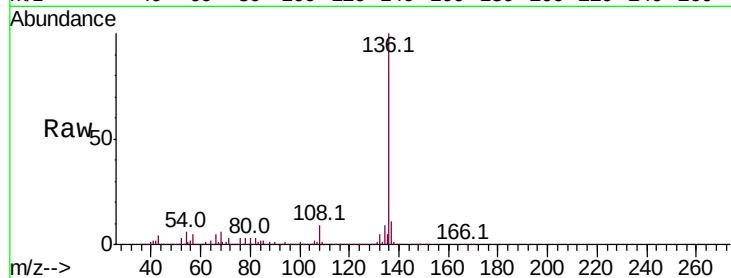


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. 0.01 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

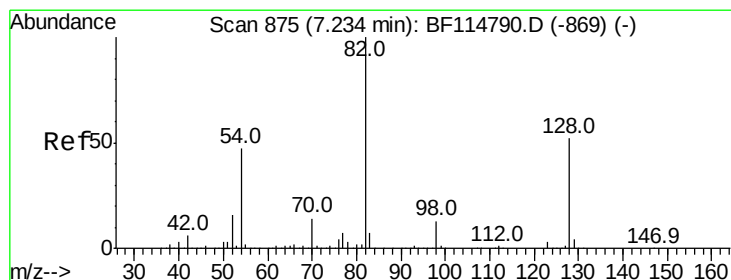
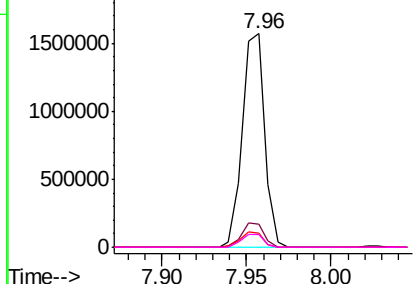
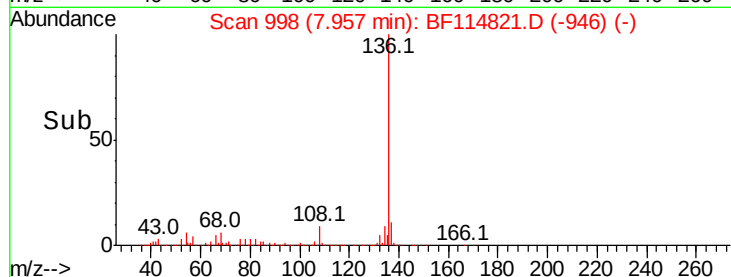
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1453033

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.5	5.4	8.0
68	5.8	4.6	6.8



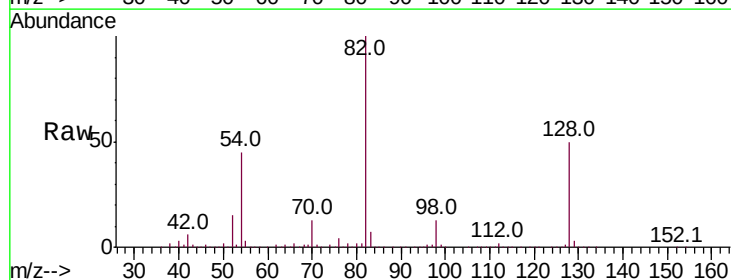
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



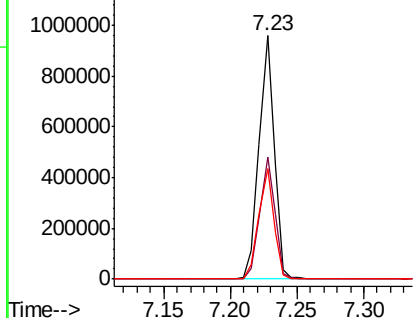
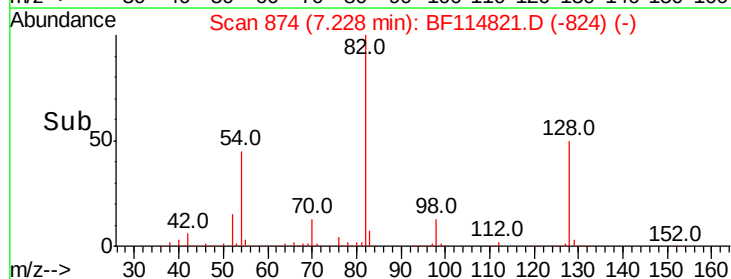
#23
Nitrobenzene-d5
Concen: 31.609 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

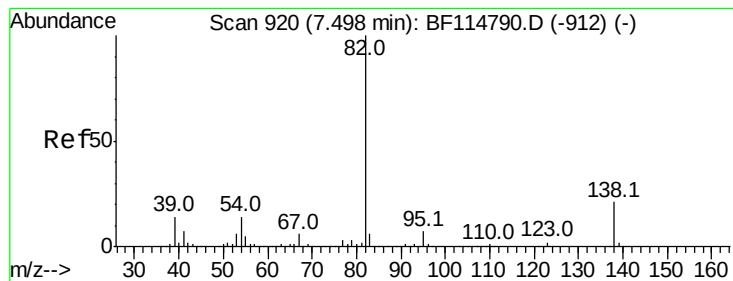
Tgt Ion: 82 Resp: 746107

Ion	Ratio	Lower	Upper
82	100		
128	49.9	41.8	62.6
54	45.4	37.9	56.9



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: 14.979 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

Instrument :

BNA_F

ClientSampleId :

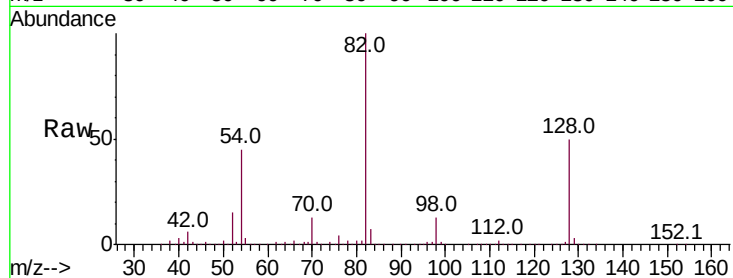
Tot Ion: 82 Resp: 698969

Ion Ratio Lower Upper

82 100

95 0.2 5.8 8.8#

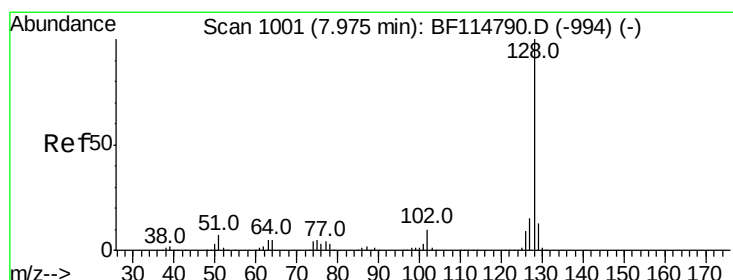
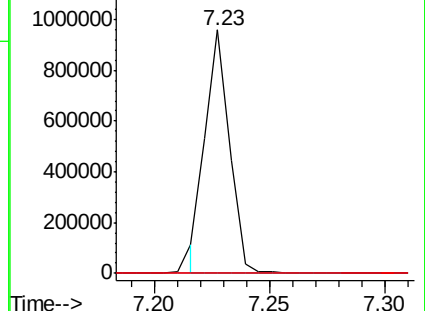
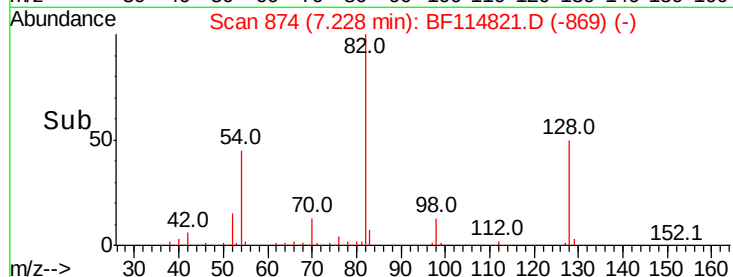
138 0.0 16.9 25.3#



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: 36.953 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

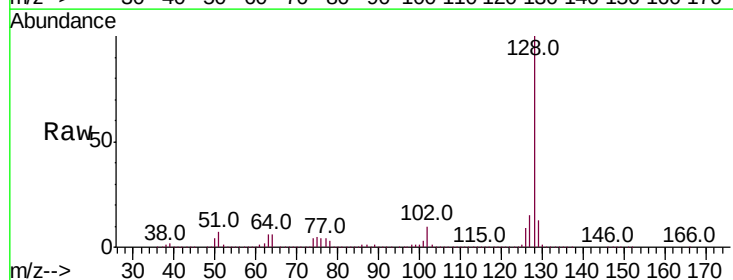
Tgt Ion:128 Resp: 2417331

Ion Ratio Lower Upper

128 100

129 12.8 10.0 15.0

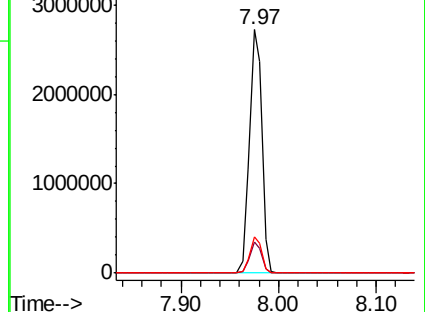
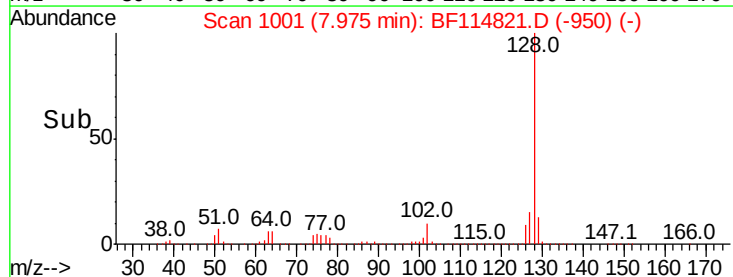
127 14.7 12.2 18.2

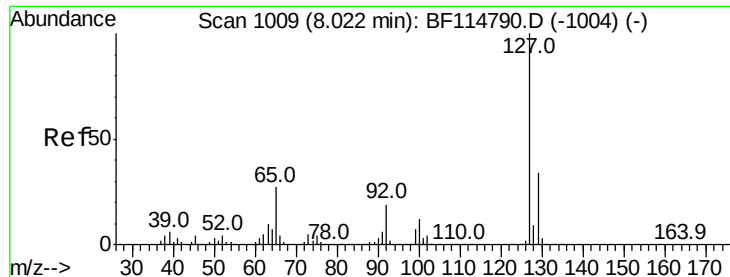


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

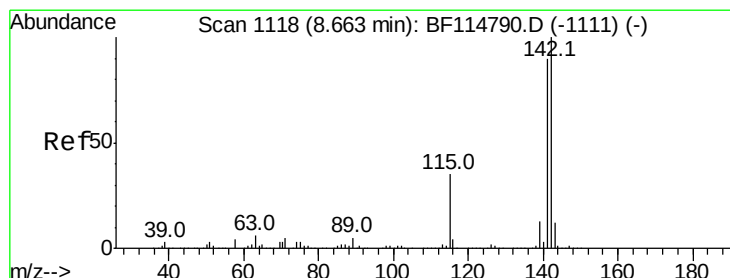
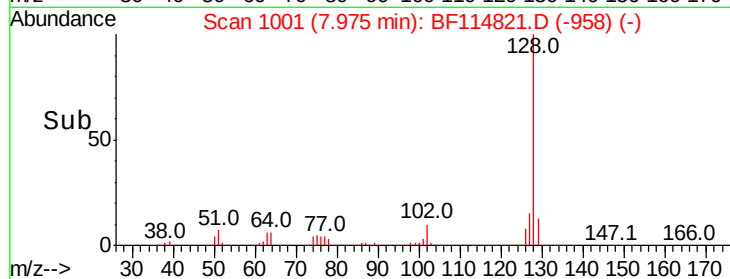
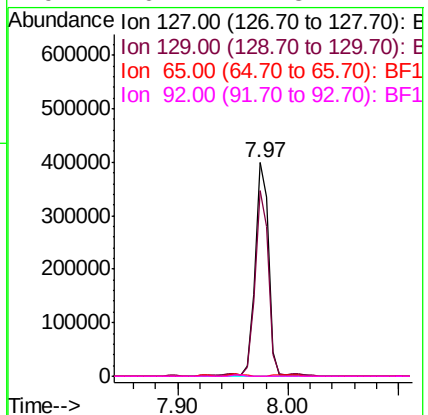
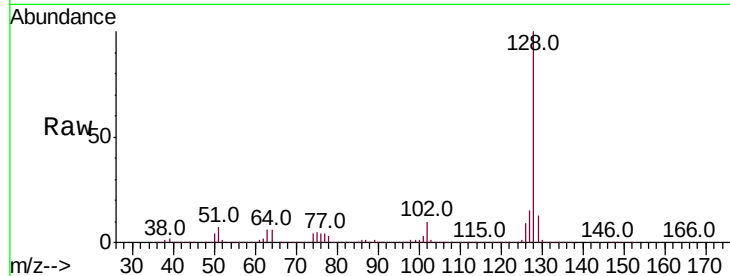




#33
4-Chloroaniline
Concen: 10.956 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.05 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

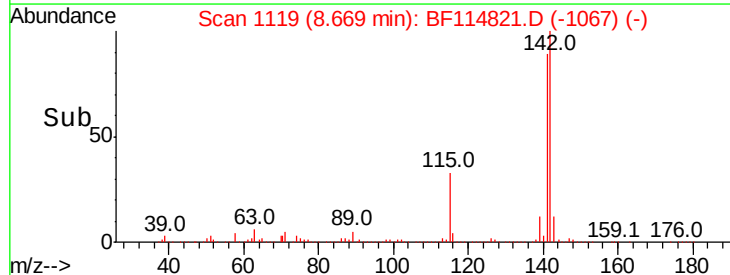
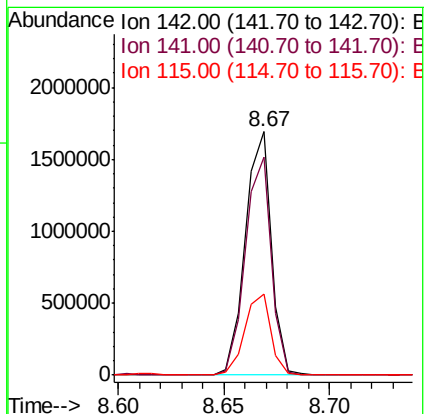
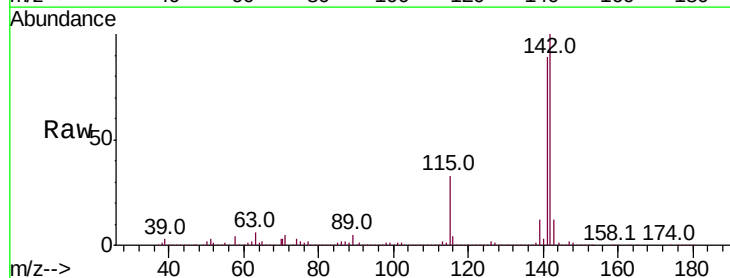
Instrument :
BNA_F
ClientSampleId :

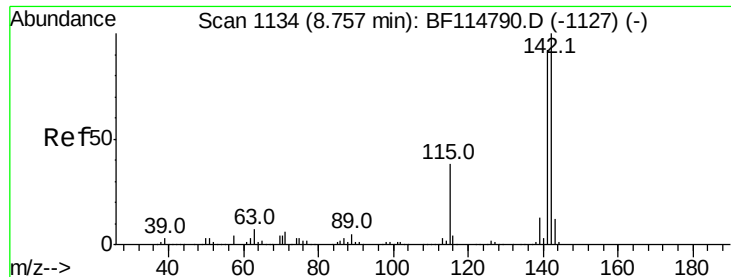
Tot Ion:127	Resp:	341895
Ion Ratio	Lower	Upper
127	100	
129	87.0	26.9 40.3#
65	0.0	21.7 32.5#
92	0.2	14.8 22.2#



#37
2-Methylnaphthalene
Concen: 31.936 ng
RT: 8.67 min Scan# 1119
Delta R.T. 0.01 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

Tgt Ion:142	Resp:	1449037
Ion Ratio	Lower	Upper
142	100	
141	89.5	71.6 107.4
115	33.4	28.2 42.4



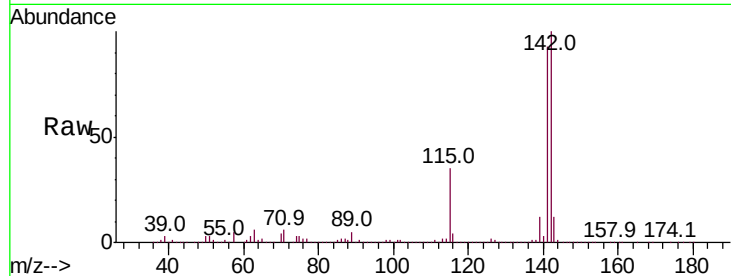


#38
 1-Methylnaphthalene
 Concen: 26.705 ng
 RT: 8.76 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: BF114821.D
 Acq: 5 Jun 2019 15:17

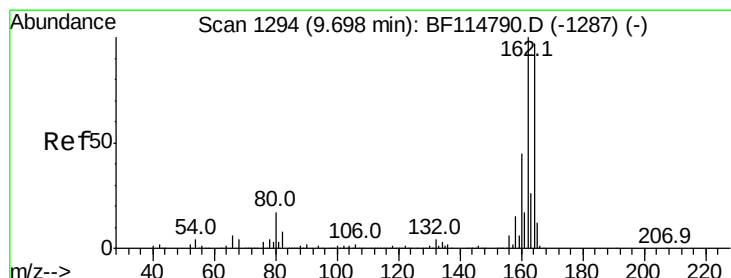
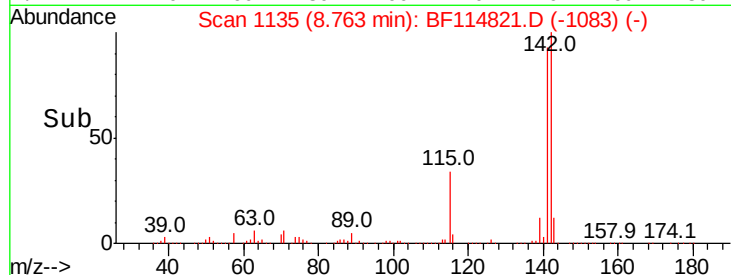
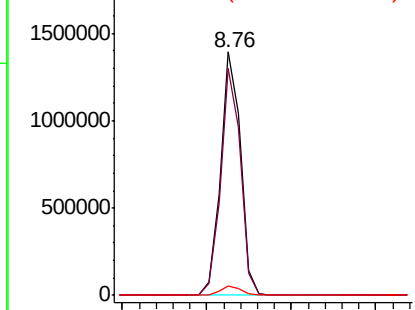
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 1149104

Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.8	110.6
116	3.7	3.3	4.9



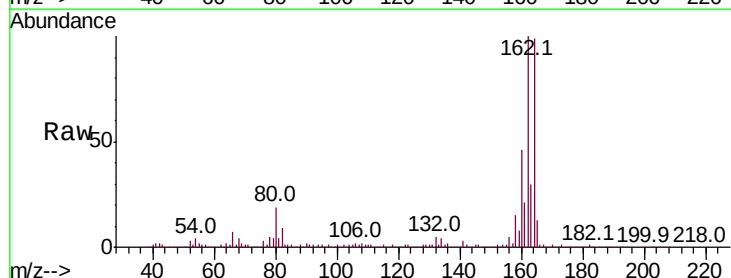
Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E



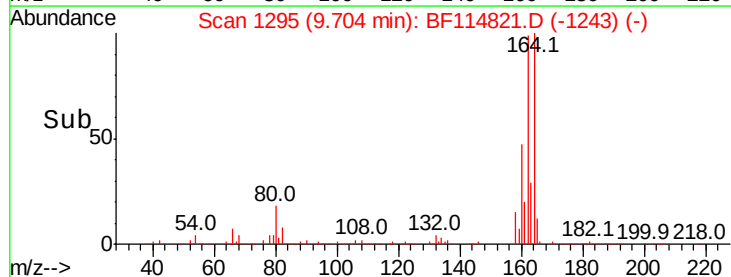
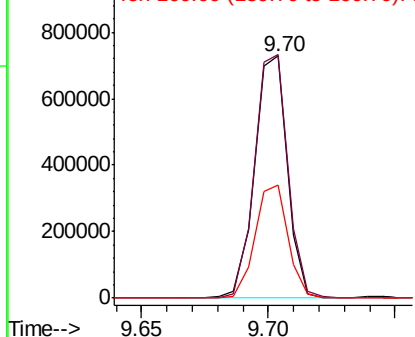
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. 0.01 min
 Lab File: BF114821.D
 Acq: 5 Jun 2019 15:17

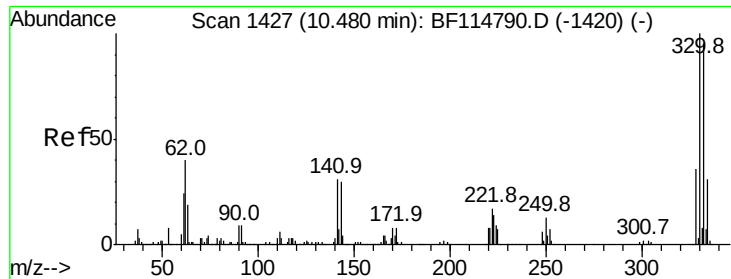
Tgt Ion:164 Resp: 657462

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.3	123.5
160	46.7	36.7	55.1



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: 2.397 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

Instrument :

BNA_F

ClientSampleId :

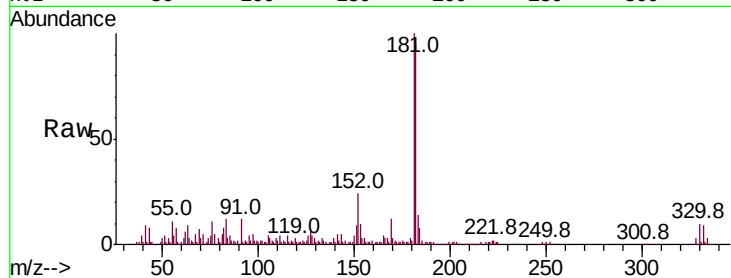
Tot Ion:330 Resp: 16984

Ion Ratio Lower Upper

330 100

332 93.4 77.3 115.9

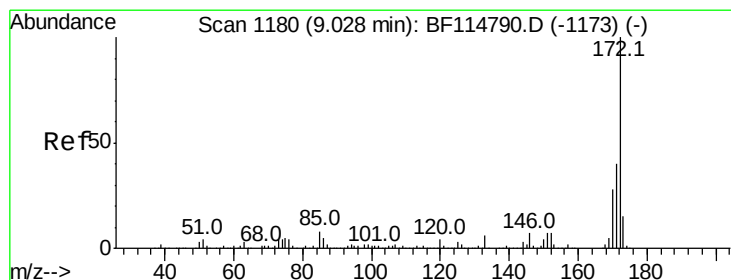
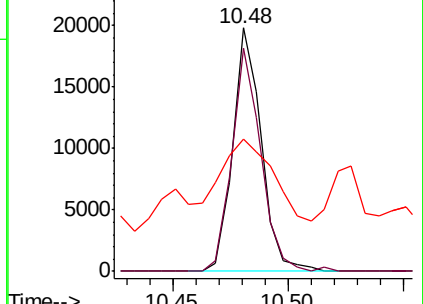
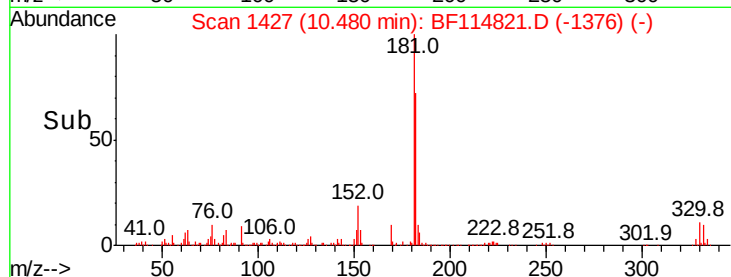
141 60.4 26.2 39.4#



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: 43.834 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

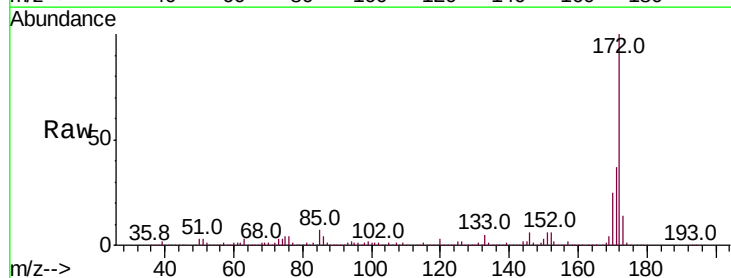
Tgt Ion:172 Resp: 1538450

Ion Ratio Lower Upper

172 100

171 36.8 32.3 48.5

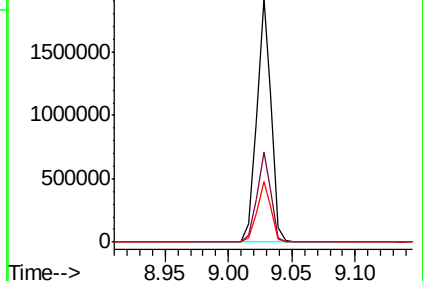
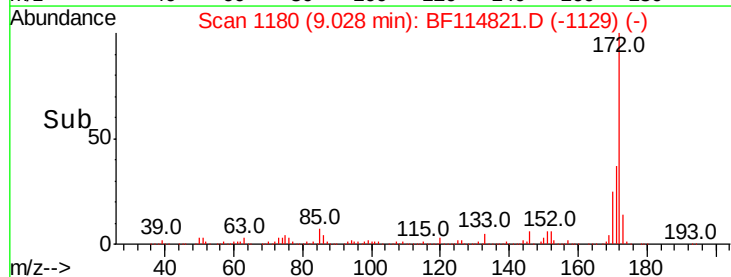
170 25.0 22.4 33.6

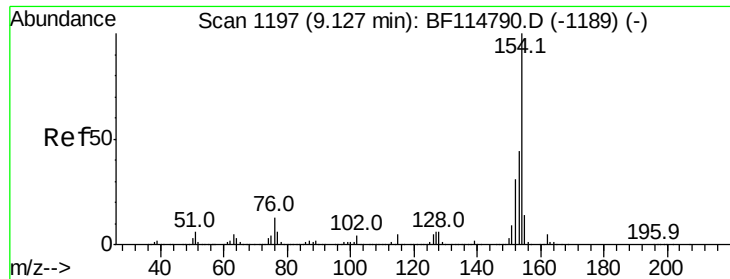


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

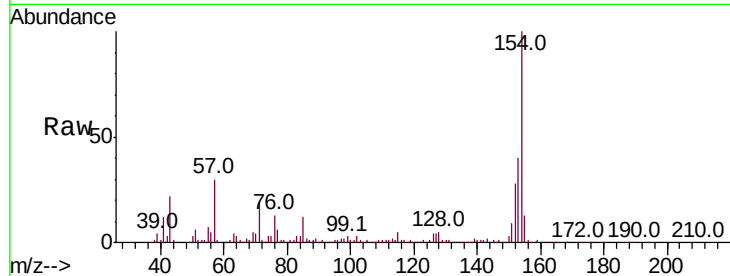




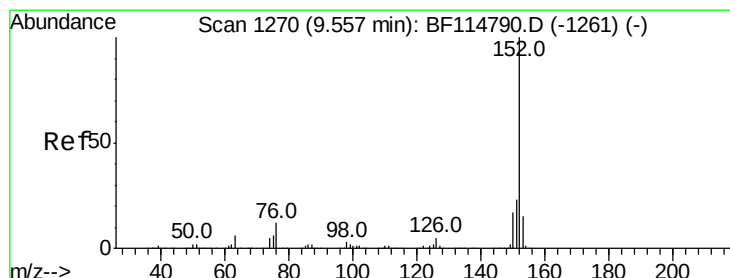
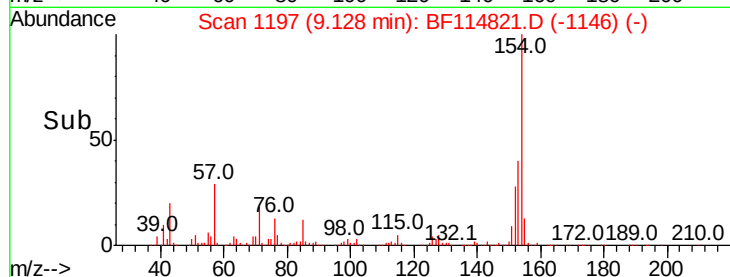
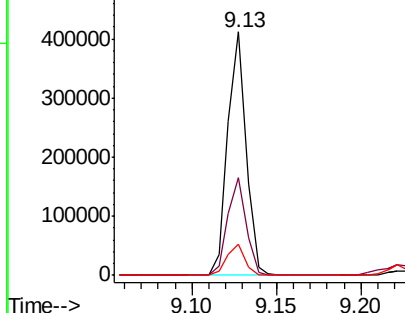
#46
 1,1'-Biphenyl
 Concen: 6.400 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF114821.D
 Acq: 5 Jun 2019 15:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.4	23.9	63.9
76	12.6	0.0	33.2

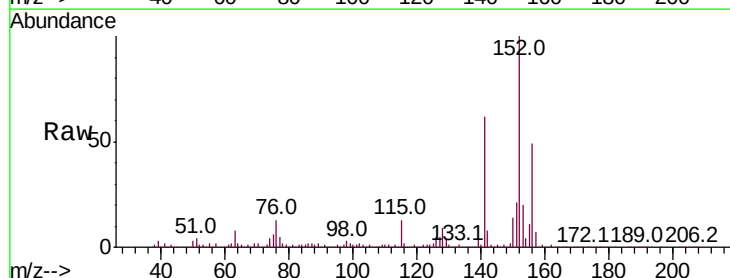


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

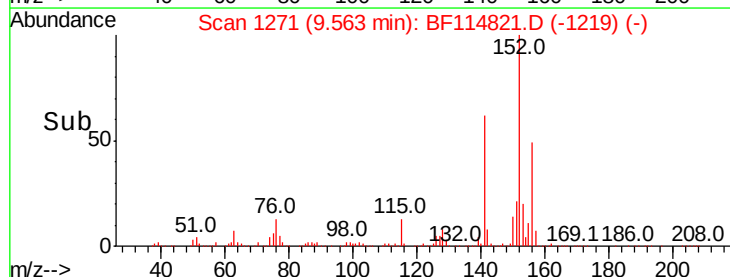
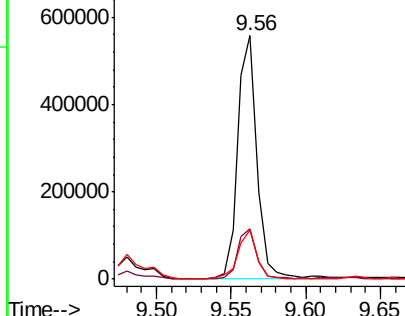


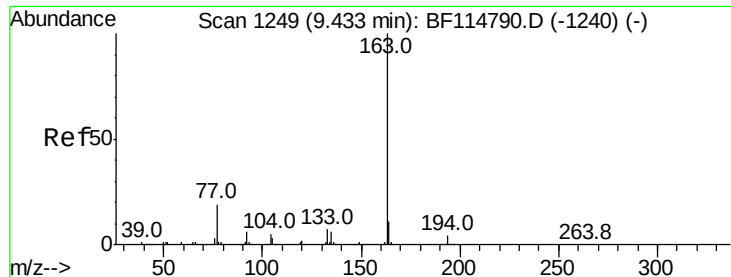
#49
 Acenaphthylene
 Concen: 8.395 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: BF114821.D
 Acq: 5 Jun 2019 15:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	18.3	27.5
153	20.0	12.3	18.5#



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

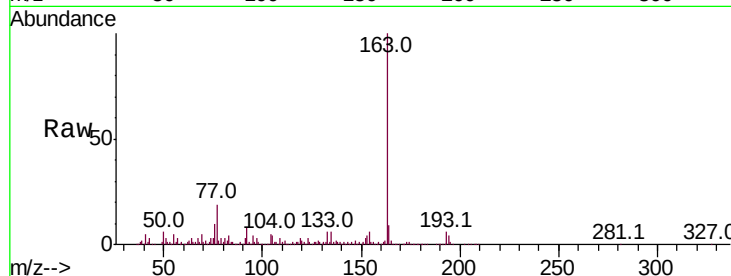




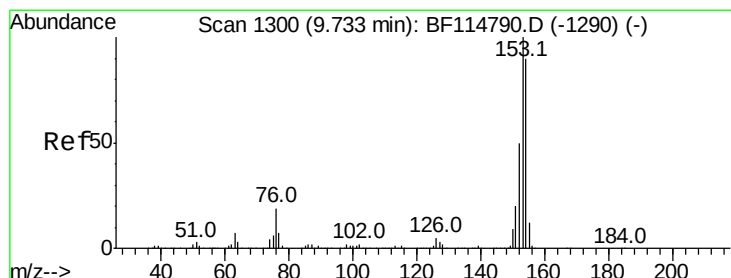
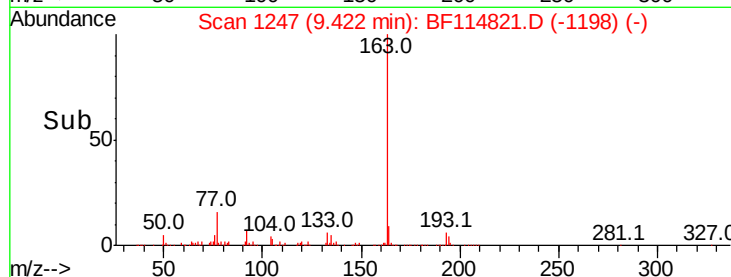
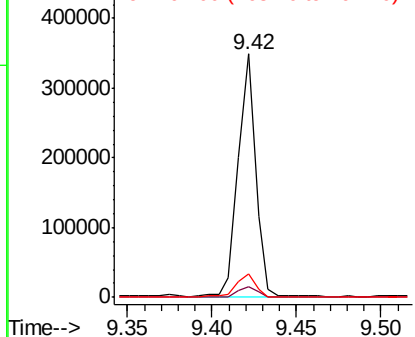
#50
Dimethylphthalate
Concen: 5.229 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	9.4	8.6	13.0

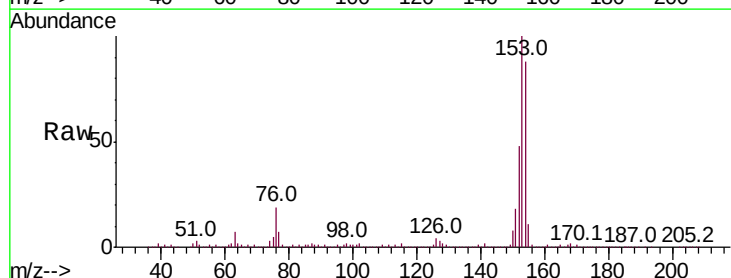


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

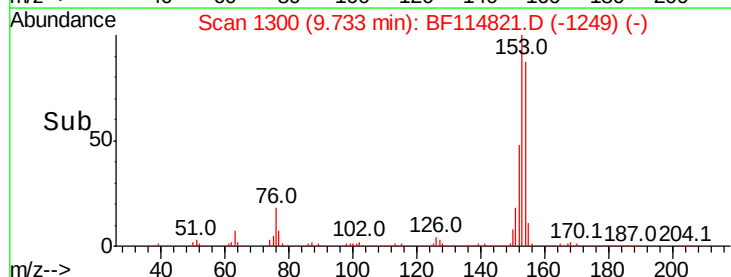
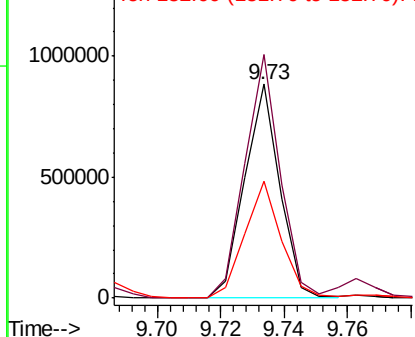


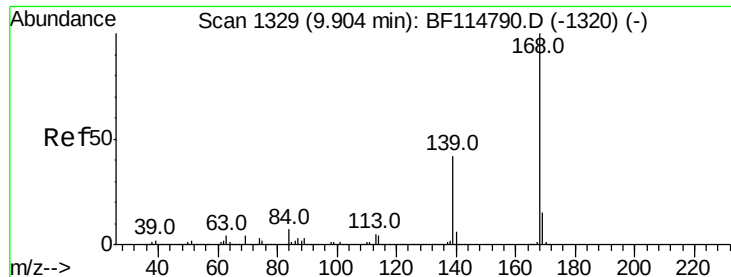
#52
Acenaphthene
Concen: 17.170 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.8	88.5	132.7
152	54.5	44.1	66.1



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: 12.518 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

Instrument :

BNA_F

ClientSampled :

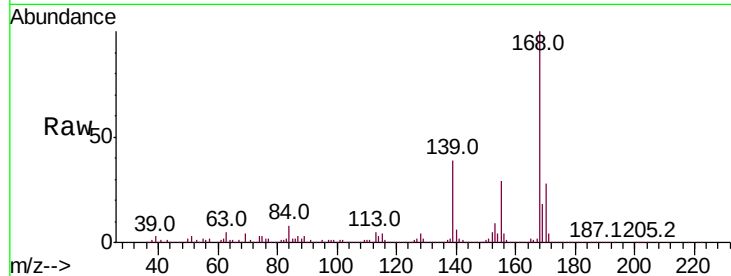
Tot Ion:168 Resp: 684684

Ion Ratio Lower Upper

168 100

139 38.5 33.8 50.6

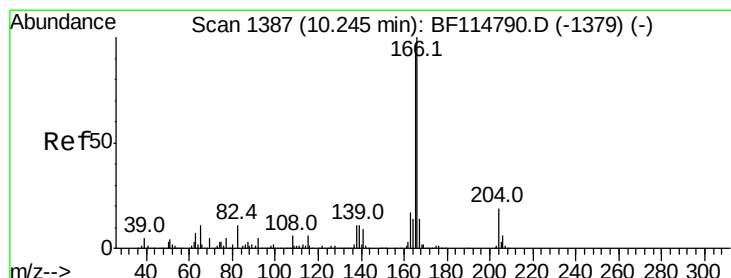
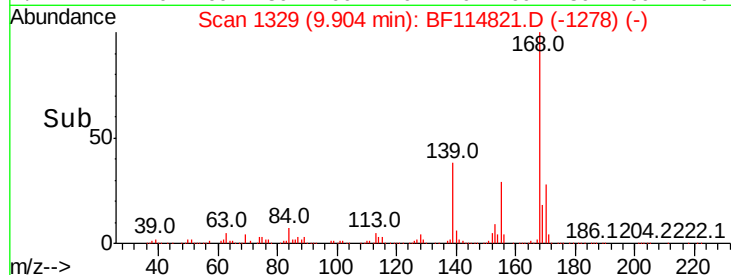
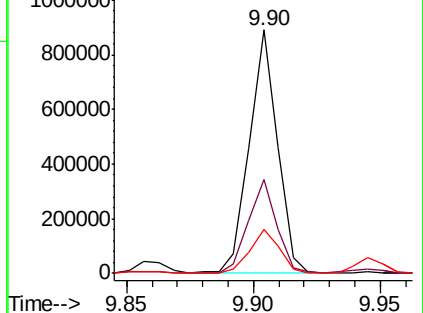
169 18.1 11.9 17.9#



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



#58

Fluorene

Concen: 35.525 ng

RT: 10.25 min Scan# 1387

Delta R.T. 0.00 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

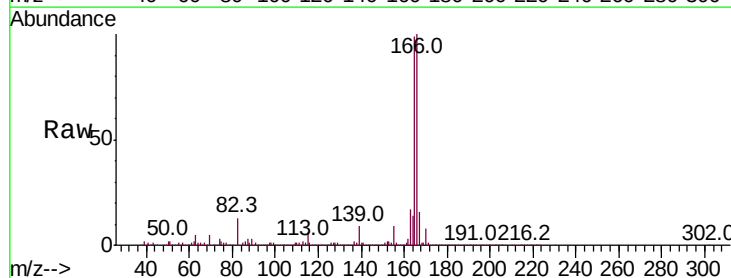
Tgt Ion:166 Resp: 1313250

Ion Ratio Lower Upper

166 100

165 99.2 77.9 116.9

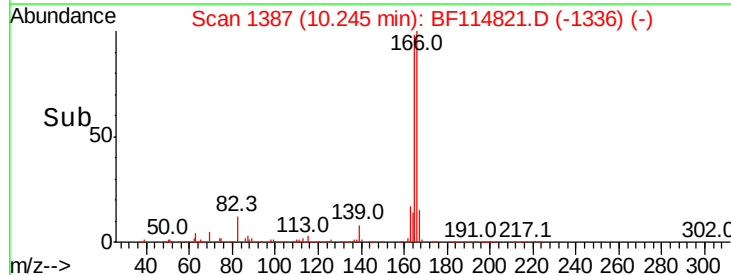
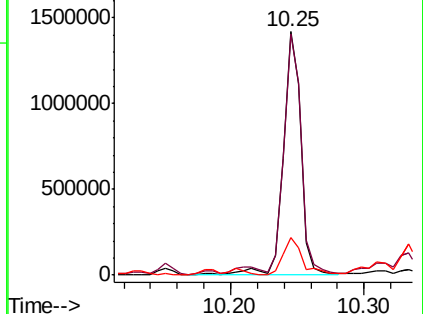
167 15.6 11.3 16.9

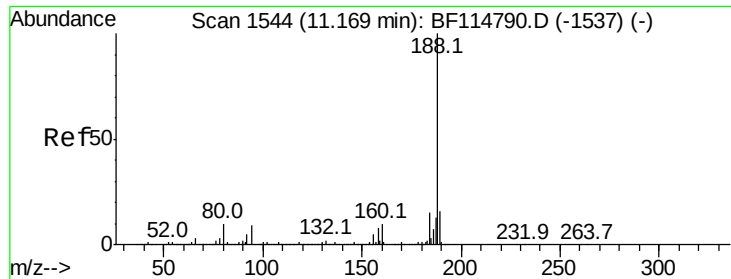


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

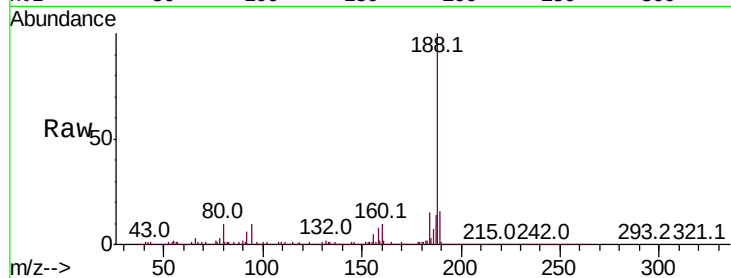




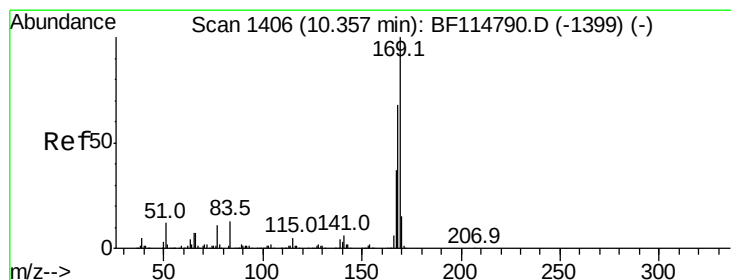
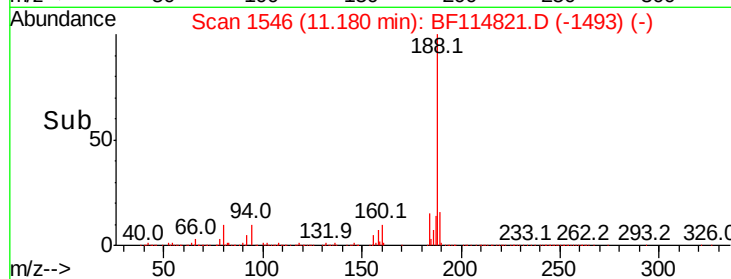
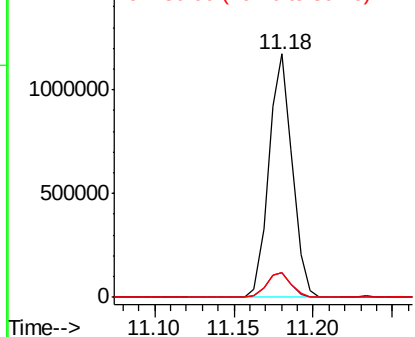
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.18 min Scan# 1546
Delta R.T. 0.01 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 1206012
Ion Ratio Lower Upper
188 100
94 10.0 7.6 11.4
80 10.1 8.3 12.5

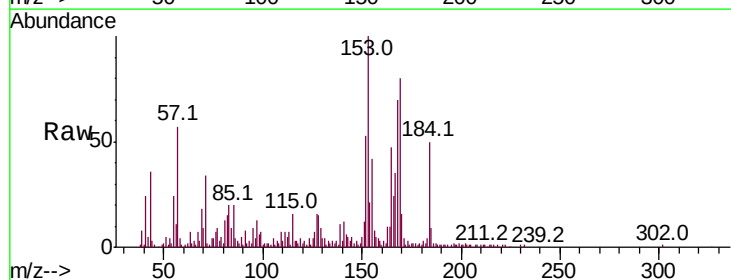


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

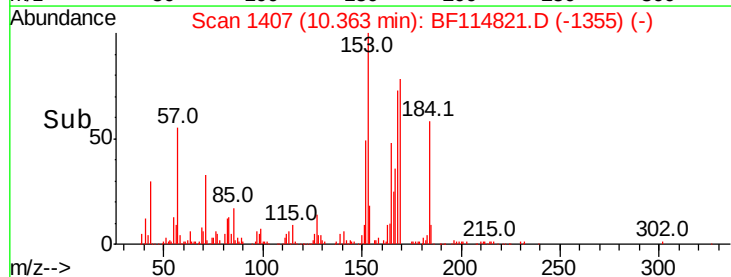
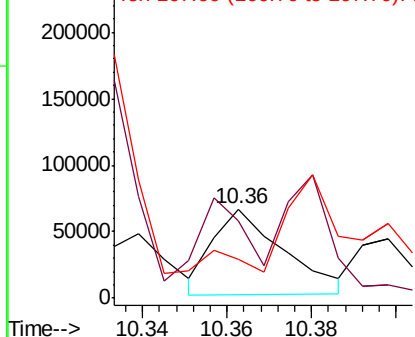


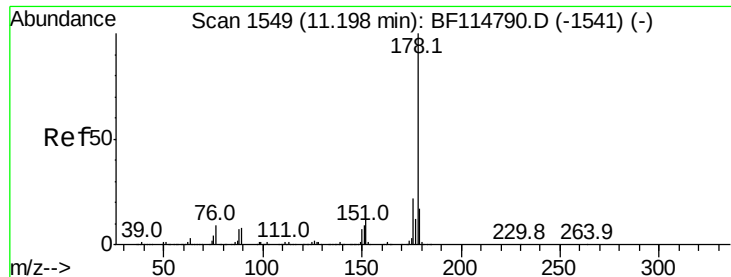
#66
n-Nitrosodiphenylamine
Concen: 2.050 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.01 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

Tgt Ion:169 Resp: 74751
Ion Ratio Lower Upper
169 100
168 86.9 54.3 81.5#
167 43.2 29.9 44.9



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

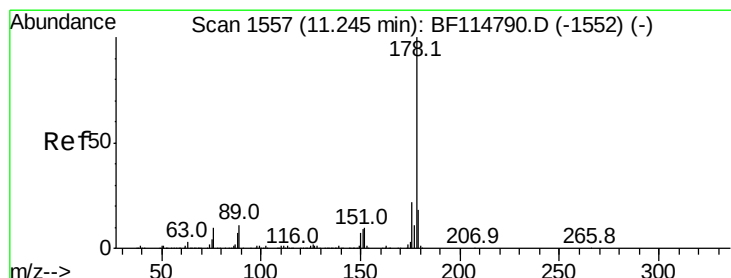
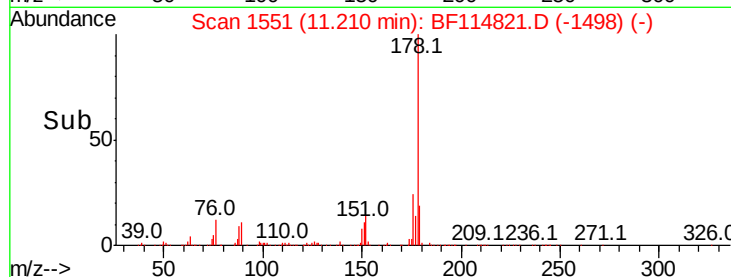
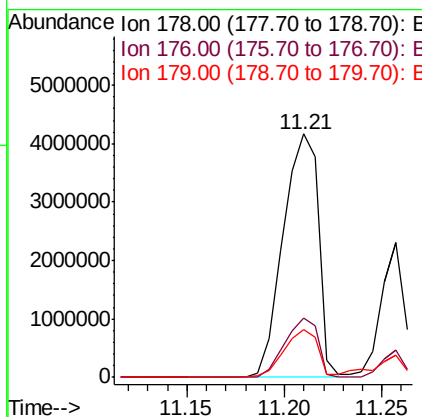
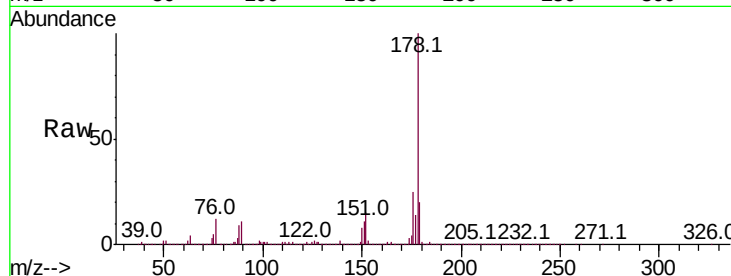




#71
Phenanthrene
Concen: 90.256 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.01 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

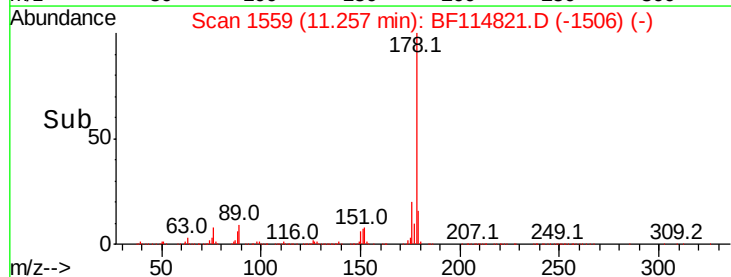
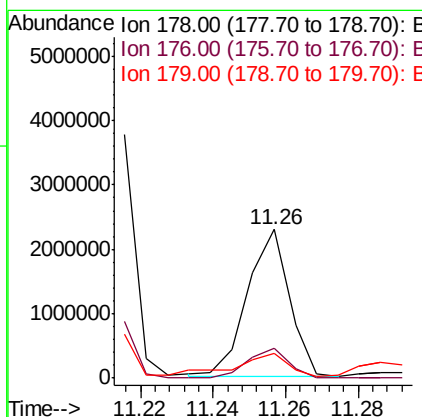
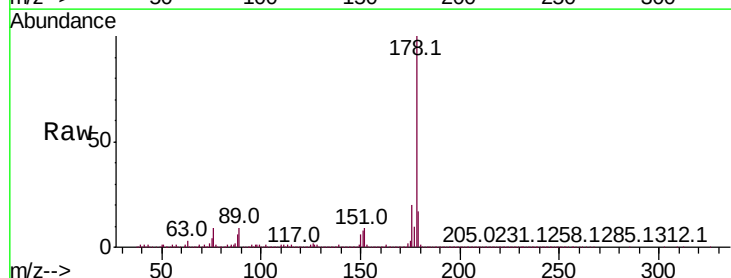
Instrument :
BNA_F
ClientSampled :

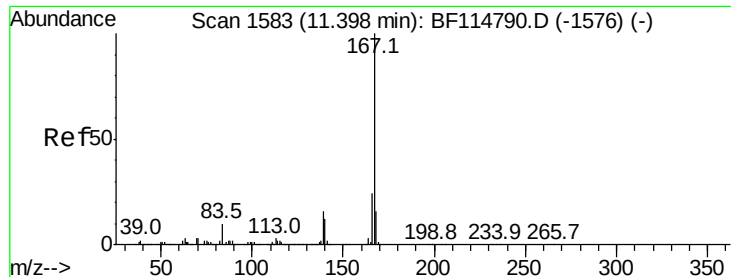
Tot Ion:178 Resp: 5196388
Ion Ratio Lower Upper
178 100
176 24.5 17.7 26.5
179 19.6 13.7 20.5



#72
Anthracene
Concen: 30.250 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

Tgt Ion:178 Resp: 1832868
Ion Ratio Lower Upper
178 100
176 20.3 17.4 26.0
179 16.7 14.2 21.4

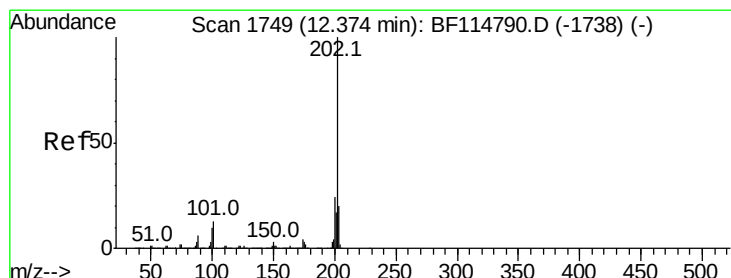
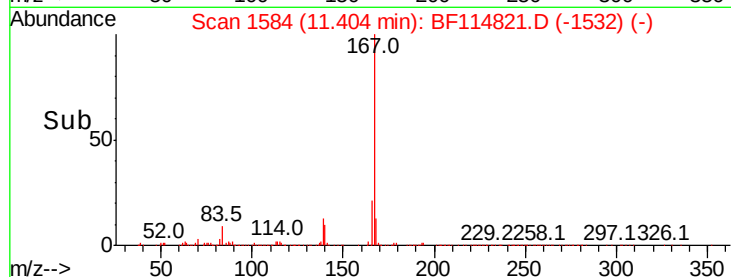
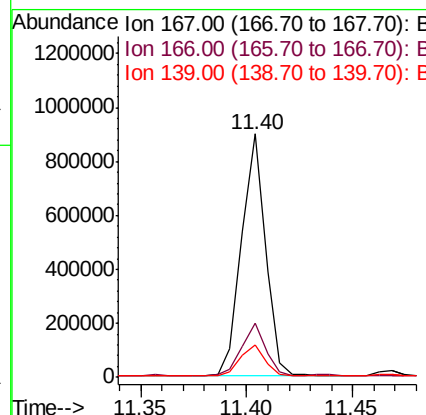
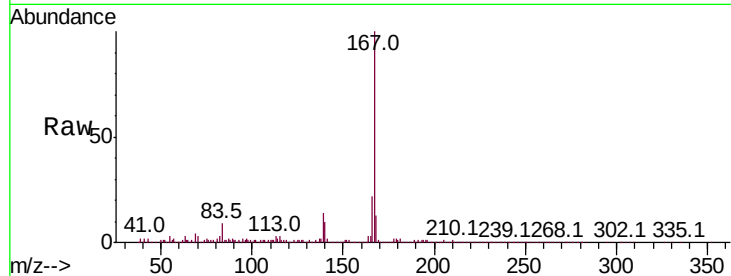




#73
 Carbazole
 Concen: 13.590 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: BF114821.D
 Acq: 5 Jun 2019 15:17

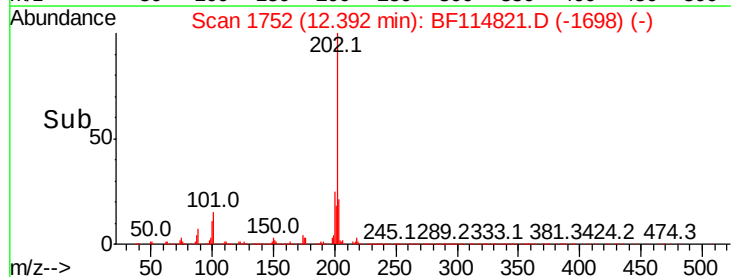
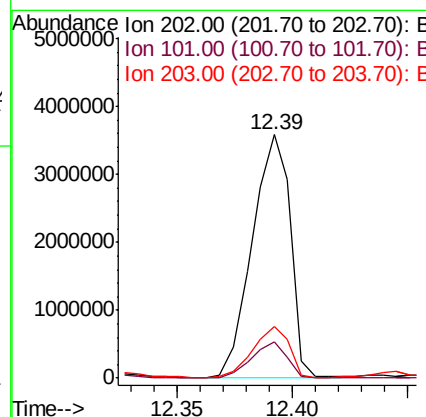
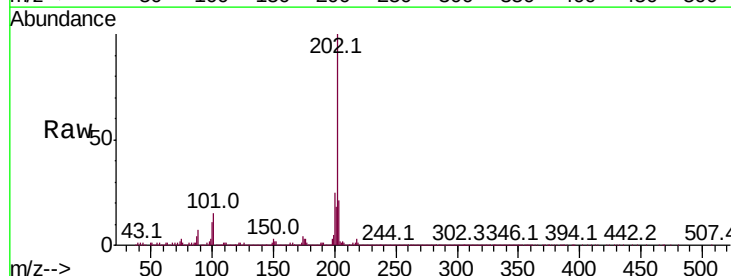
Instrument :
 BNA_F
 ClientSampleId :

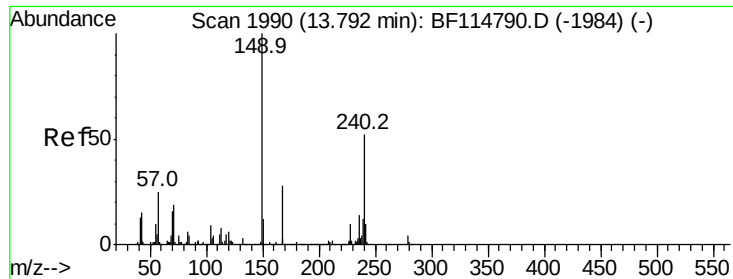
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	19.1	28.7
139	13.5	12.4	18.6



#75
 Fluoranthene
 Concen: 68.479 ng
 RT: 12.39 min Scan# 1752
 Delta R.T. 0.02 min
 Lab File: BF114821.D
 Acq: 5 Jun 2019 15:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	32.8
203	21.2	0.2	40.2

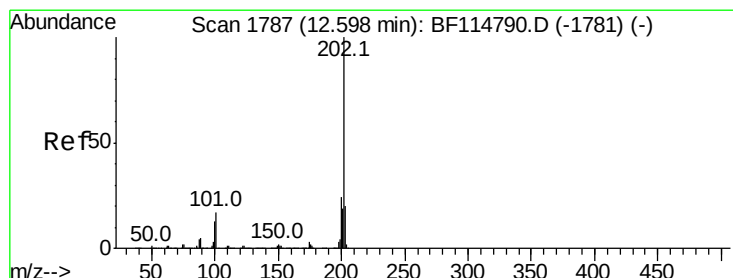
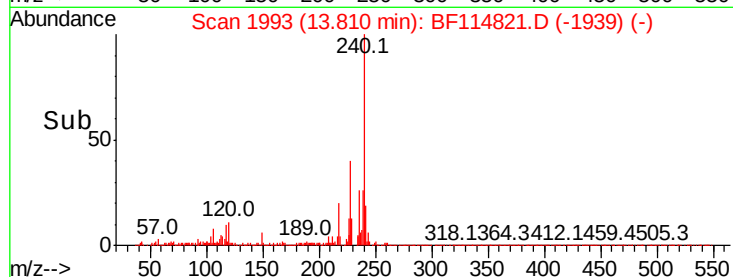
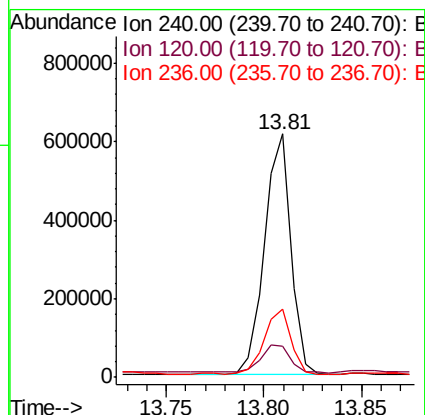
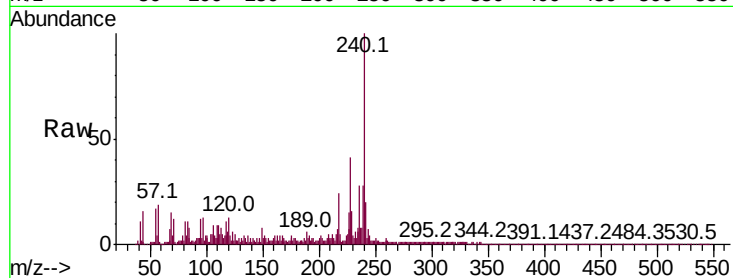




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.81 min Scan# 1993
Delta R.T. 0.02 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

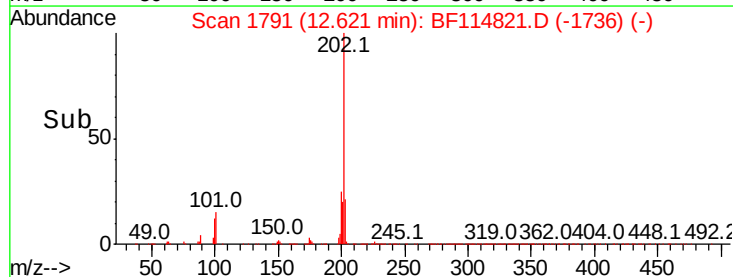
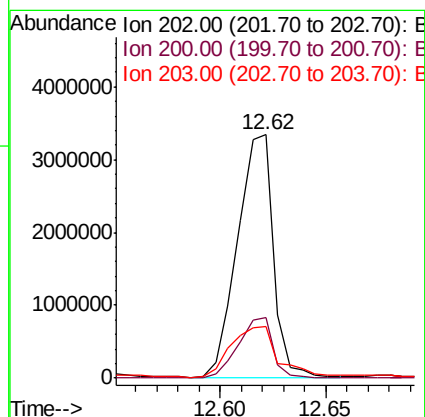
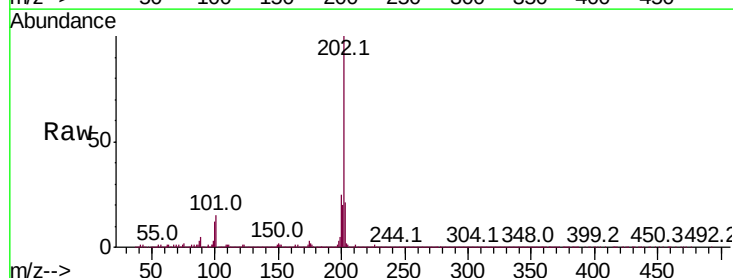
Instrument :
BNA_F
ClientSampleId :

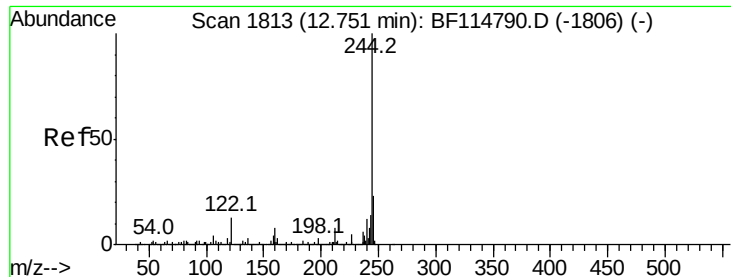
Tot Ion:240 Resp: 575022
Ion Ratio Lower Upper
240 100
120 13.0 9.0 13.4
236 28.3 21.4 32.0



#78
Pyrene
Concen: 78.448 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.02 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

Tgt Ion:202 Resp: 3913266
Ion Ratio Lower Upper
202 100
200 24.9 19.2 28.8
203 21.0 15.9 23.9





#79

Terphenyl-d14

Concen: 46.713 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

Instrument :

BNA_F

ClientSampleId :

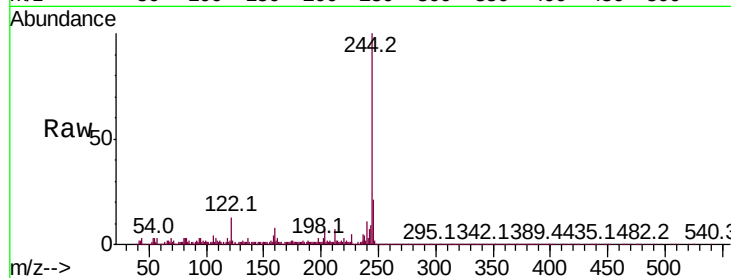
Tot Ion:244 Resp: 1381212

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

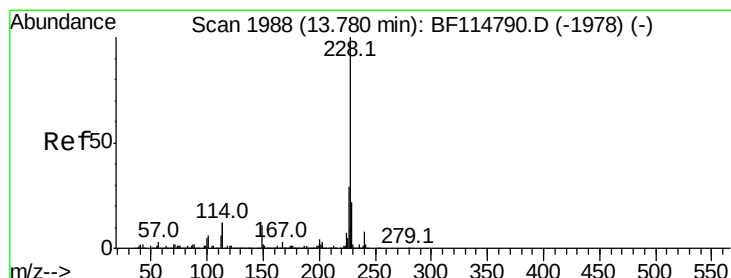
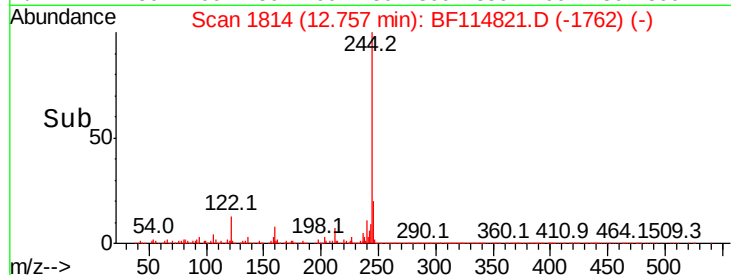
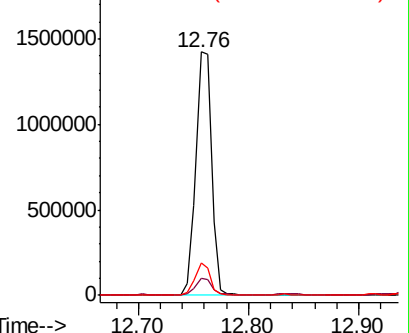
122 13.2 10.5 15.7



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: 33.397 ng

RT: 13.80 min Scan# 1991

Delta R.T. 0.02 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

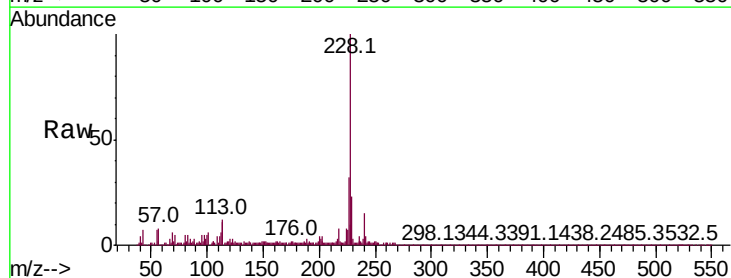
Tgt Ion:228 Resp: 1479856

Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.2

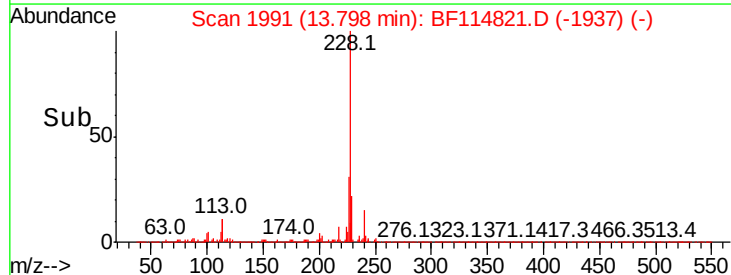
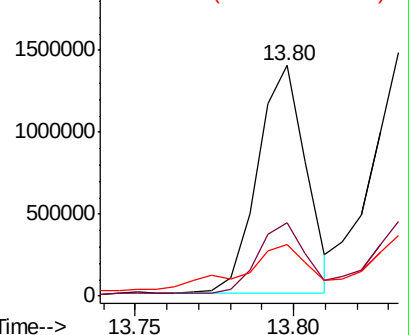
229 22.7 17.4 26.0

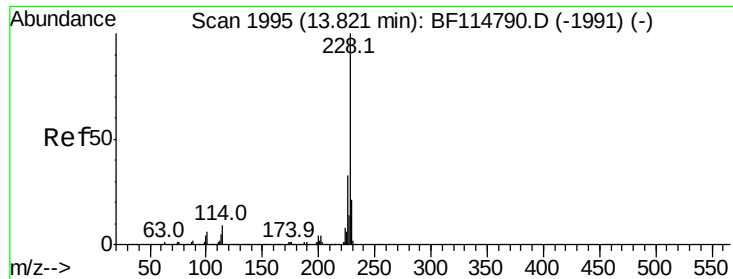


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 31.445 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

Instrument :

BNA_F

ClientSampleId :

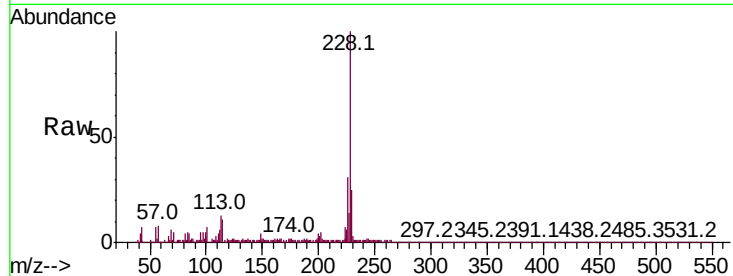
Tot Ion:228 Resp: 1355475

Ion Ratio Lower Upper

228 100

226 30.7 26.0 39.0

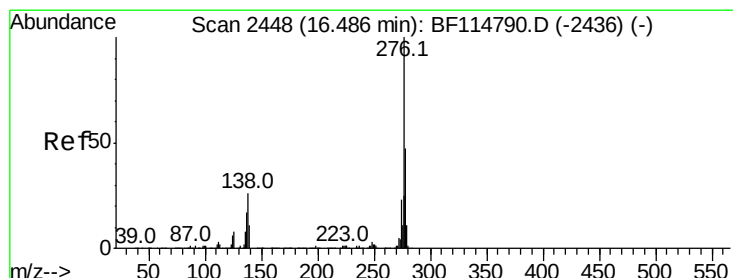
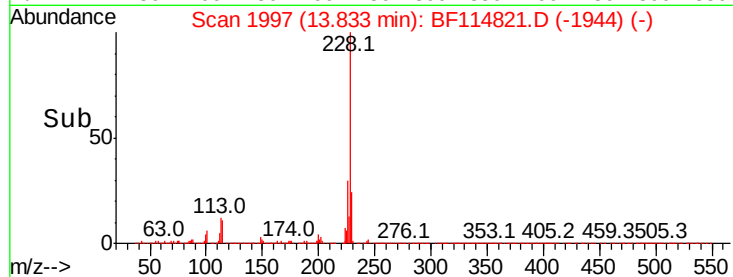
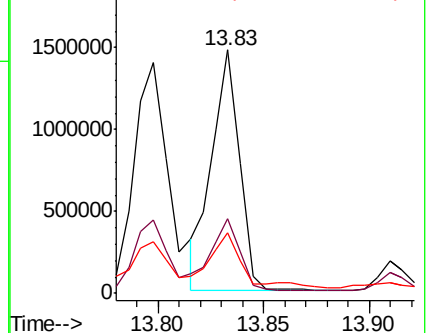
229 24.8 17.1 25.7



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: 9.975 ng

RT: 16.53 min Scan# 2456

Delta R.T. 0.05 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

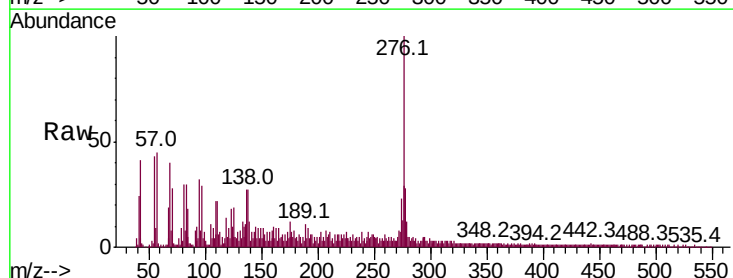
Tgt Ion:276 Resp: 490609

Ion Ratio Lower Upper

276 100

138 22.3 22.2 33.4

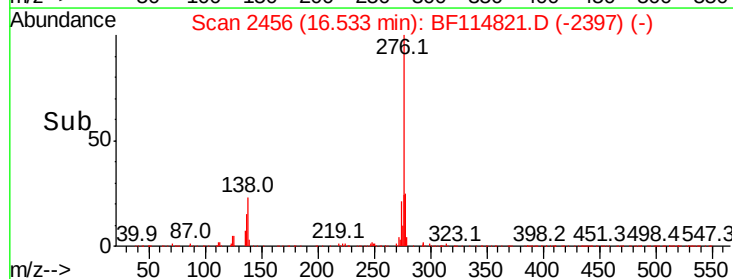
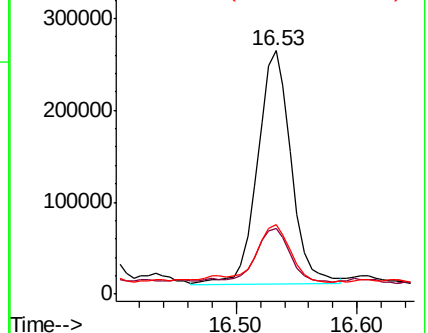
277 25.0 20.6 30.8

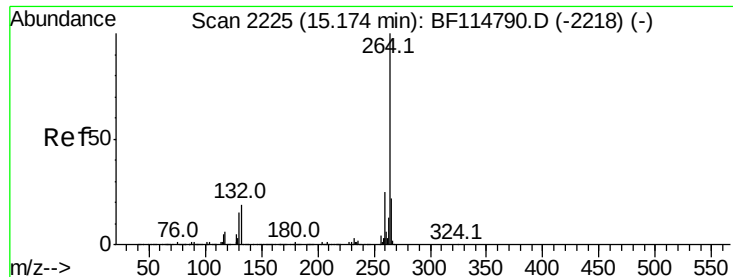


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.20 min Scan# 2230

Delta R.T. 0.03 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

Instrument :

BNA_F

ClientSampleId :

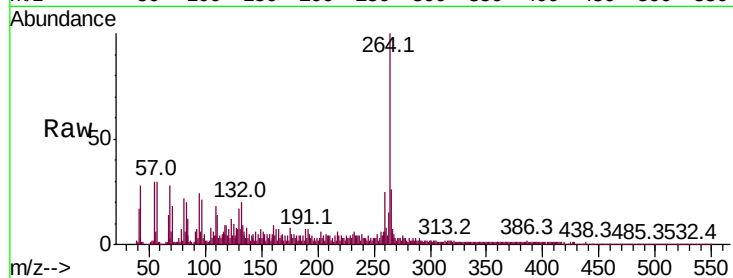
Tot Ion:264 Resp: 512923

Ion Ratio Lower Upper

264 100

260 25.1 20.1 30.1

265 26.5 17.7 26.5

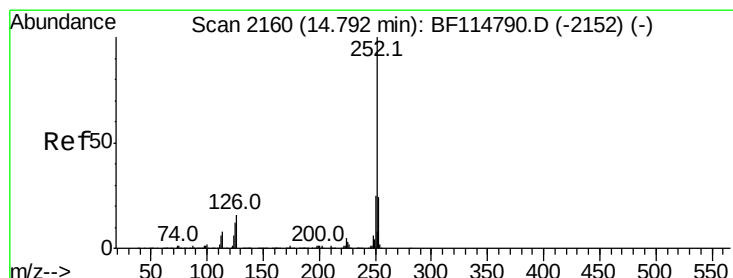
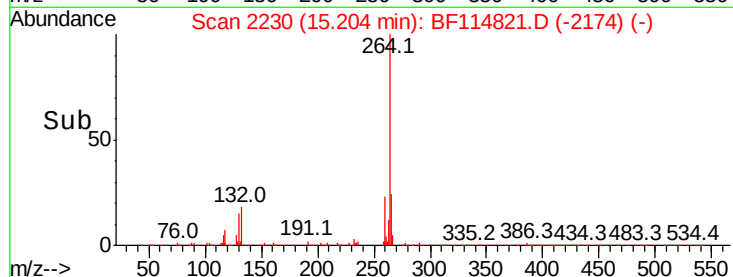
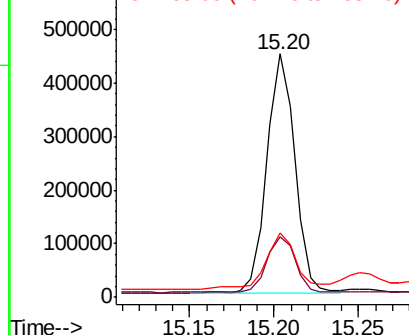


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 49.250 ng

RT: 14.82 min Scan# 2164

Delta R.T. 0.02 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

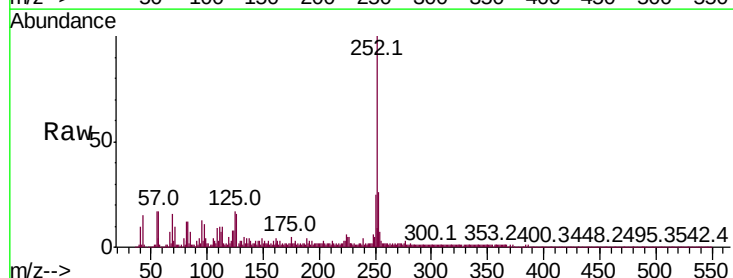
Tgt Ion:252 Resp: 1608178

Ion Ratio Lower Upper

252 100

253 26.3 19.0 28.6

125 16.6 9.4 14.0#

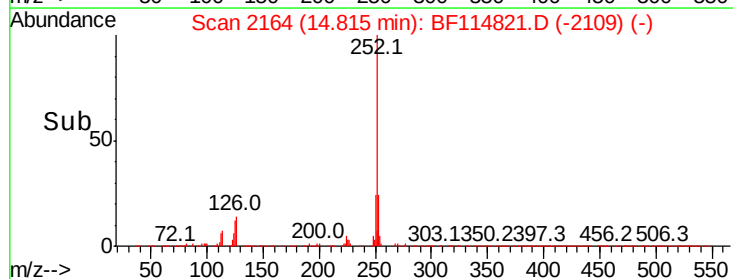
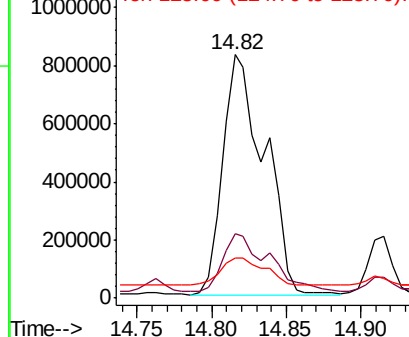


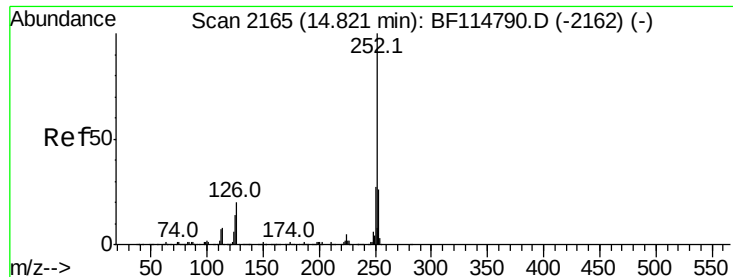
Abundance

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

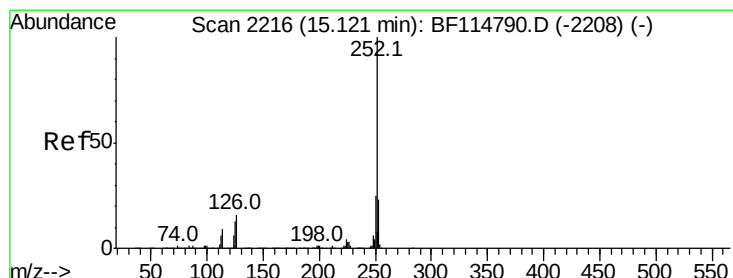
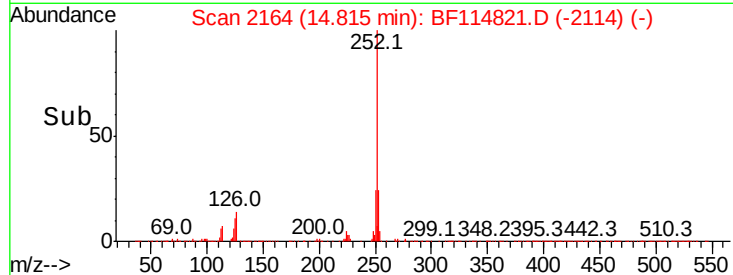
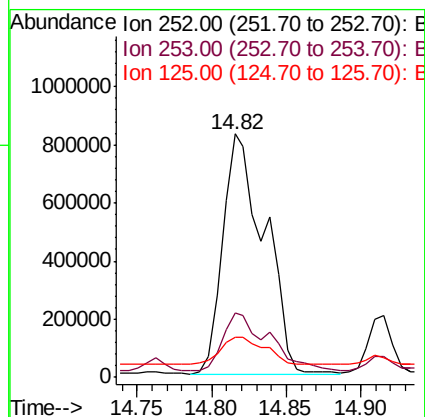
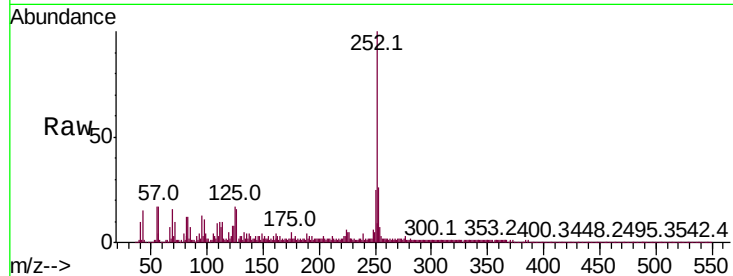




#89
Benzo(k)fluoranthene
Concen: 57.994 ng
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

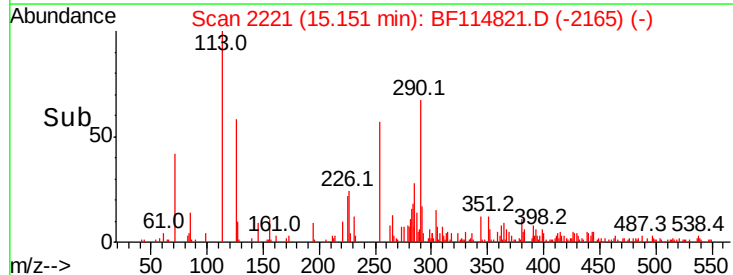
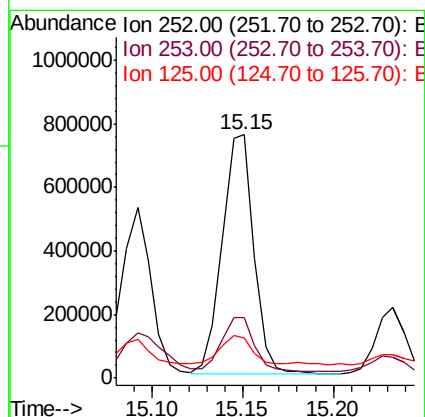
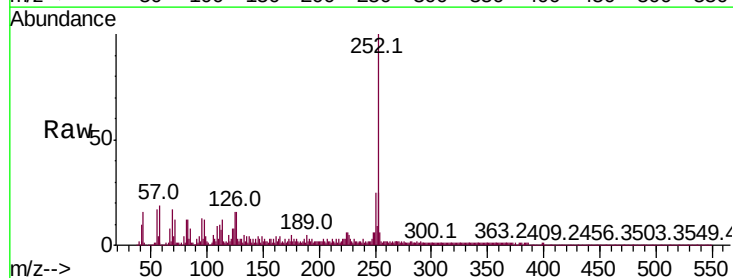
Instrument :
BNA_F
ClientSampleId :

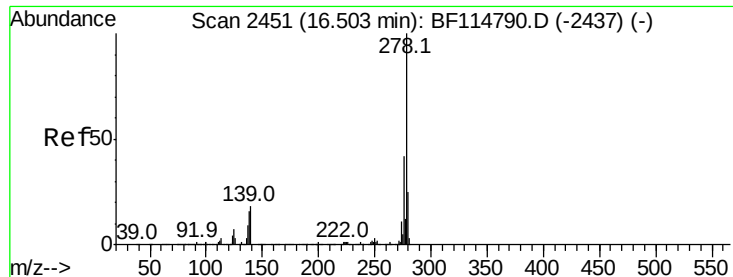
Tot Ion:252 Resp: 1608178
Ion Ratio Lower Upper
252 100
253 26.3 19.3 28.9
125 16.6 10.1 15.1#



#90
Benzo(a)pyrene
Concen: 32.499 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.03 min
Lab File: BF114821.D
Acq: 5 Jun 2019 15:17

Tgt Ion:252 Resp: 918528
Ion Ratio Lower Upper
252 100
253 25.1 18.5 27.7
125 16.3 10.1 15.1#





#91

Dibenzo(a,h)anthracene

Concen: 5.255 ng

RT: 16.54 min Scan# 2457

Delta R.T. 0.04 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

Instrument :

BNA_F

ClientSampleId :

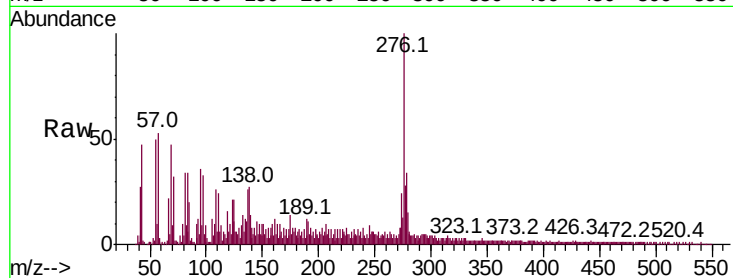
Tot Ion:278 Resp: 140650

Ion Ratio Lower Upper

278 100

139 41.1 14.6 22.0#

279 42.8 20.1 30.1#

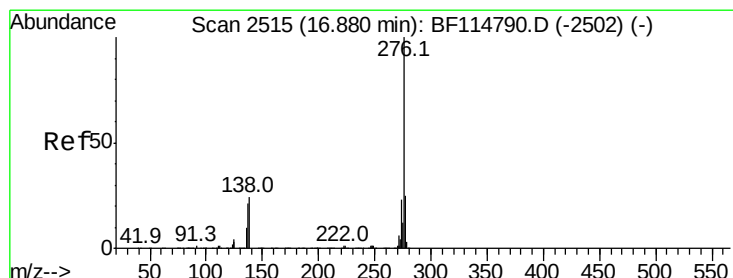
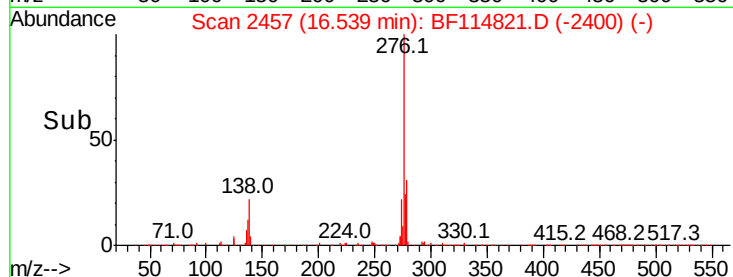
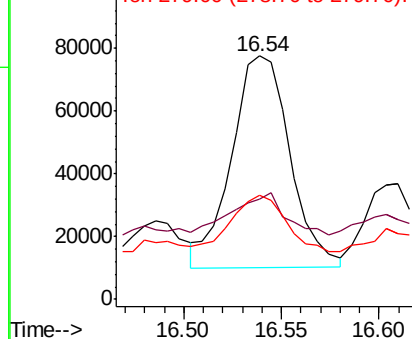


Abundance

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: 17.012 ng

RT: 16.93 min Scan# 2523

Delta R.T. 0.05 min

Lab File: BF114821.D

Acq: 5 Jun 2019 15:17

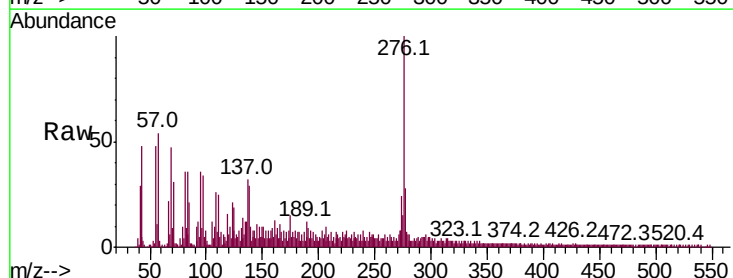
Tgt Ion:276 Resp: 457876

Ion Ratio Lower Upper

276 100

277 27.8 19.8 29.6

138 28.8 19.4 29.2



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

