

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115960.D
 Acq On : 2 Aug 2019 21:23
 Operator : HP/JU
 Sample : K4130-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-G-(0-30)-COMP

Quant Time: Aug 02 23:45:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	114301	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	444365	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	241220	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	388160	20.00	ng	0.01
76) Chrysene-d12	14.04	240	218989	20.00	ng	0.02
87) Perylene-d12	15.52	264	379691	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	671064	98.28	ng	0.00
7) Phenol-d6	6.48	99	886535	102.91	ng	0.00
23) Nitrobenzene-d5	7.41	82	544504	70.73	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	221277	94.62	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	945637	73.43	ng	0.00
79) Terphenyl-d14	12.97	244	1067732	102.74	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.49	94	49487	4.878	ng	91
19) n-Nitroso-di-n-propylamine	7.41	70	73341	13.739	ng	# 80
25) Isophorone	7.41	82	544496	36.990	ng	# 66
31) Naphthalene	8.15	128	702536	33.597	ng	100
33) 4-Chloroaniline	8.15	127	92584	9.909	ng	# 33
35) Caprolactam	8.85	113	6549	3.253	ng	# 1
37) 2-Methylnaphthalene	8.85	142	294958	21.418	ng	99
38) 1-Methylnaphthalene	8.95	142	204244	15.677	ng	100
46) 1,1'-Biphenyl	9.31	154	141255	8.294	ng	97
50) Dimethylphthalate	9.60	163	88594	5.394	ng	99
52) Acenaphthene	9.93	154	1335001	105.234	ng	99
54) 2,4-Dinitrophenol	10.11	184	124	7.874	ng	# 1
55) Dibenzofuran	10.10	168	1487068	80.605	ng	97
56) 4-Nitrophenol	10.10	139	587556	207.966	ng	# 9
58) Fluorene	10.45	166	1756164	123.726	ng	99
62) 4-Nitroaniline	10.45	138	21711	4.763	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.76	198	5394	2.622	ng	78
66) n-Nitrosodiphenylamine	10.56	169	49512	4.238	ng	# 1
67) 4-Bromophenyl-phenvlether	10.69	248	13706	3.298	ng	# 1
71) Phenanthrene	11.45	178	7164809	361.065	ng	97
72) Anthracene	11.49	178	3425792	170.585	ng	96
73) Carbazole	11.62	167	1397720	76.714	ng	99
75) Fluoranthene	12.64	202	6995738	336.750	ng	96
78) Pyrene	12.64	202	6995738	423.786	ng	97
81) Benzo(a)anthracene	14.03	228	3409281	243.572	ng	94
83) Chrysene	14.03	228	3409281	250.887	ng	97
86) Indeno(1,2,3-cd)pyrene	17.02	276	1699026	148.864	ng	97
88) Benzo(b)fluoranthene	15.10	252	4725807	215.258	ng	# 94
89) Benzo(k)fluoranthene	15.10	252	4725807	221.001	ng	98
90) Benzo(a)pyrene	15.47	252	2761849	140.728	ng	95
91) Dibenzo(a,h)anthracene	17.17	278	448884	26.424	ng	96
92) Benzo(a,h,i)perylene	17.47	276	1328642	79.637	ng	97

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QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration

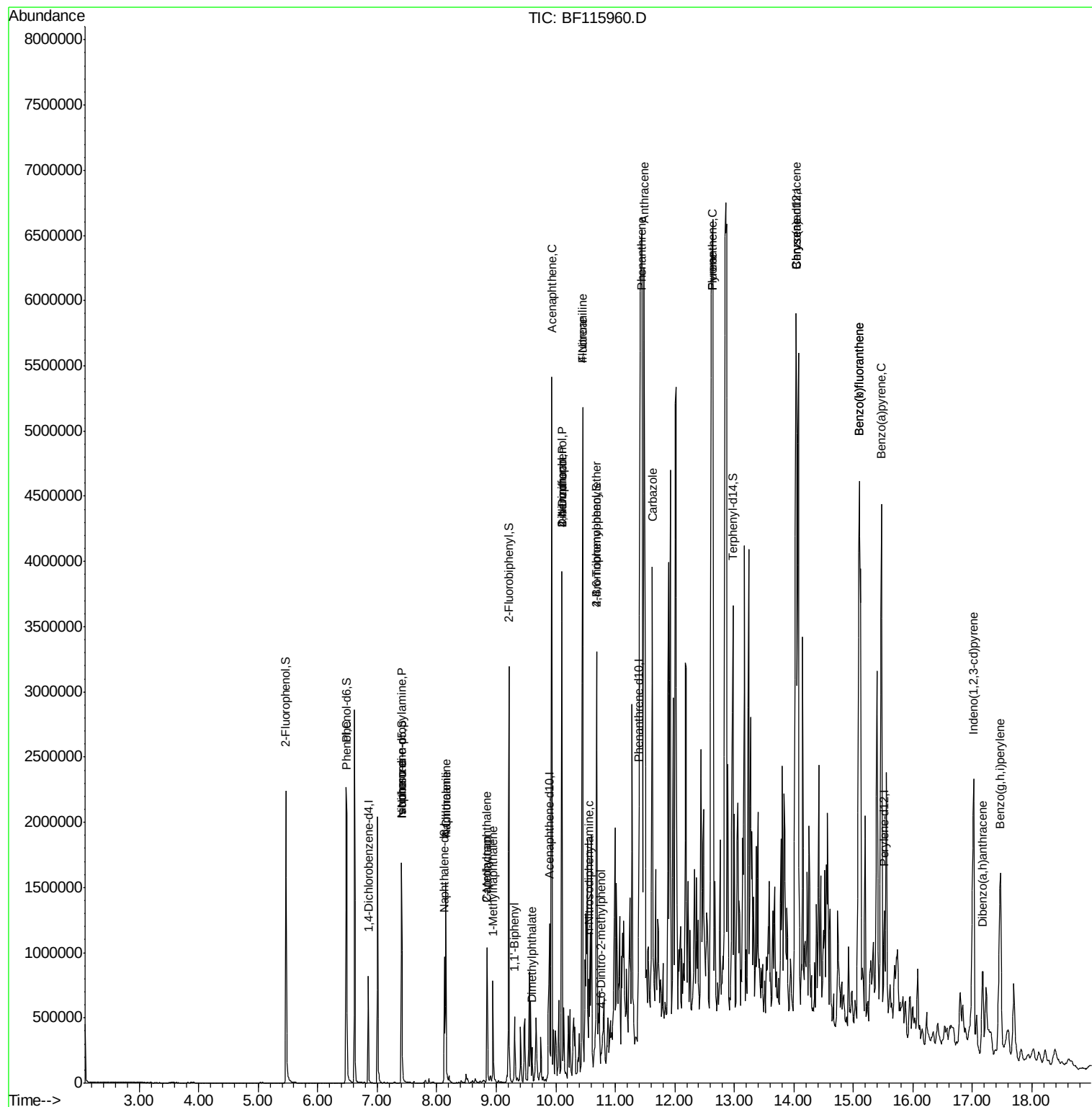
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

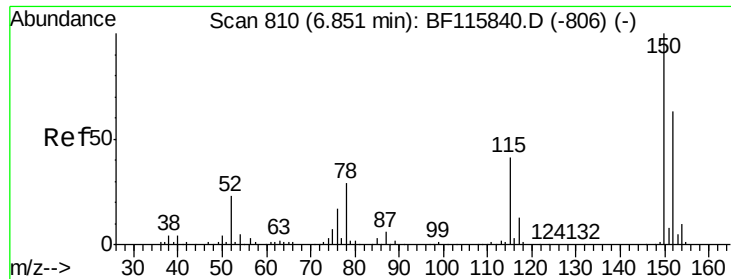
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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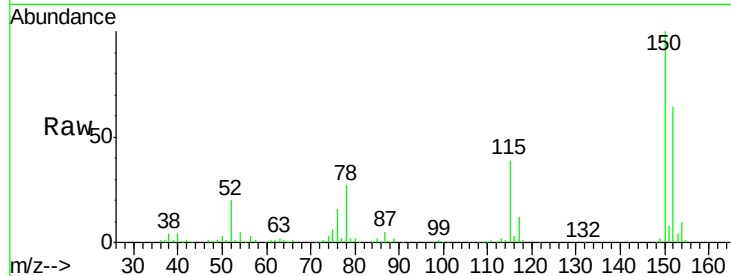


#1

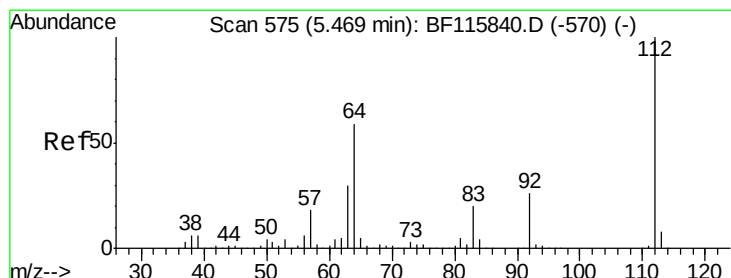
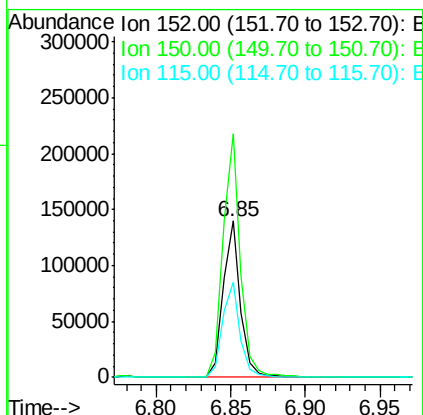
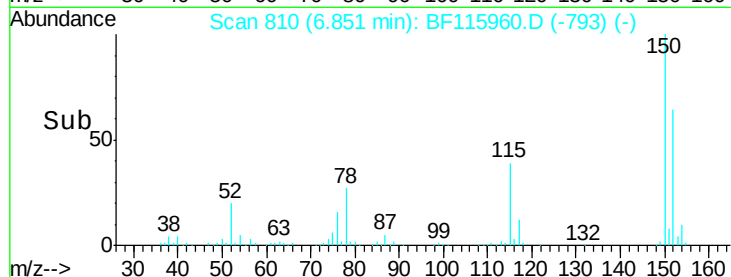
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMP

Tot Ion:152 Resp: 114301
Ion Ratio Lower Upper
152 100
150 156.0 127.4 191.0
115 60.6 51.8 77.8



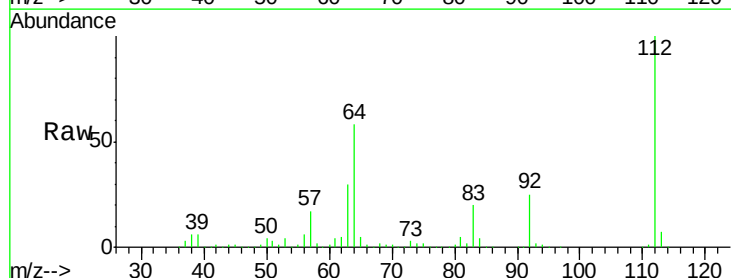
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



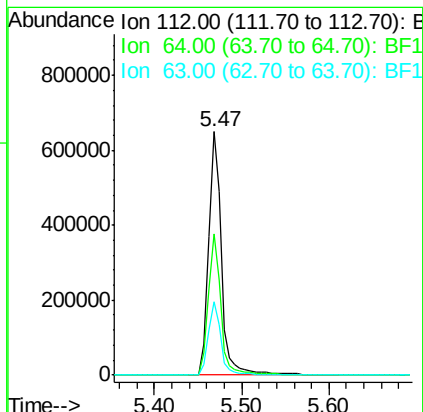
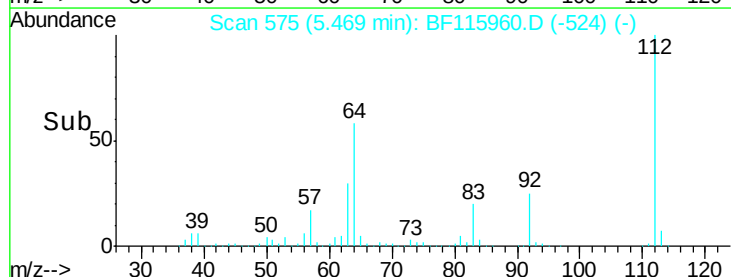
#5

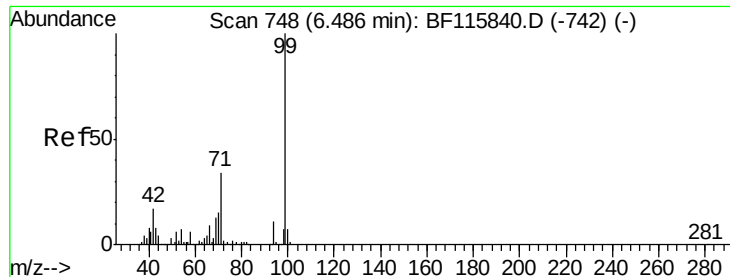
2-Fluorophenol
Concen: 98.285 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

Tgt Ion:112 Resp: 671064
Ion Ratio Lower Upper
112 100
64 58.1 46.8 70.2
63 30.1 24.2 36.2



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





#7

Phenol-d6

Concen: 102.913 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

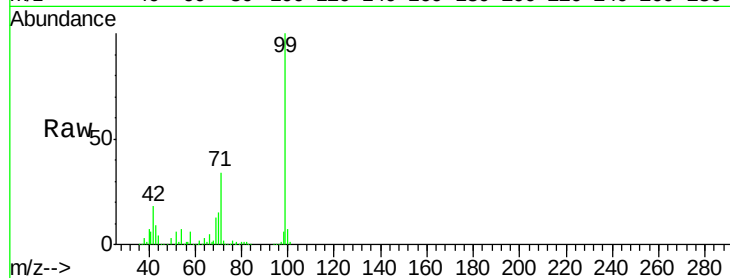
Tot Ion: 99 Resp: 886535

Ion Ratio Lower Upper

99 100

42 17.6 13.8 20.6

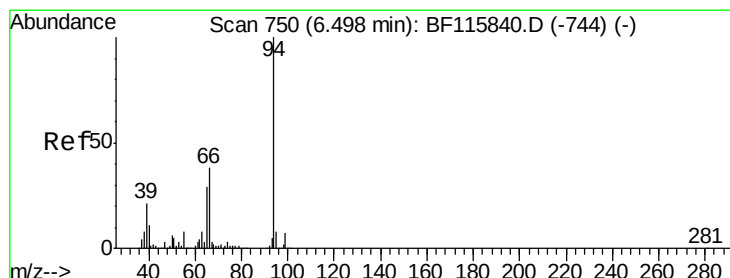
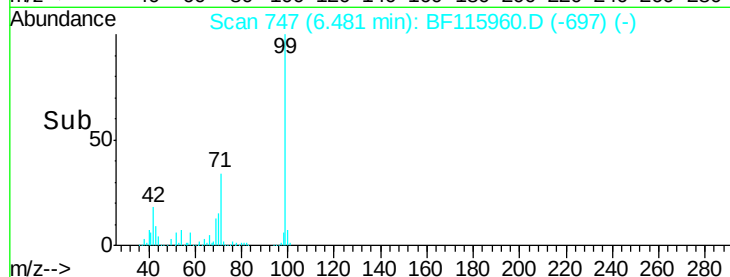
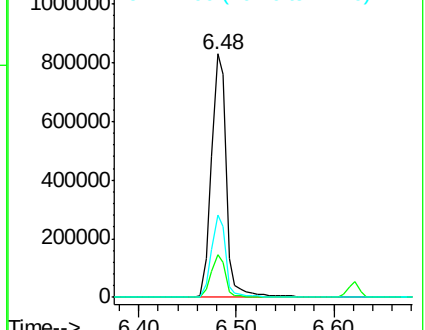
71 33.8 27.1 40.7



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.878 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

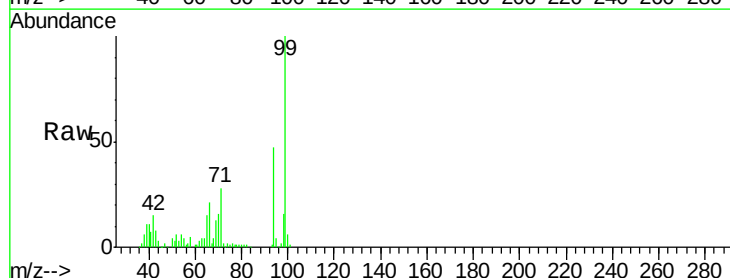
Tgt Ion: 94 Resp: 49487

Ion Ratio Lower Upper

94 100

65 30.8 8.9 48.9

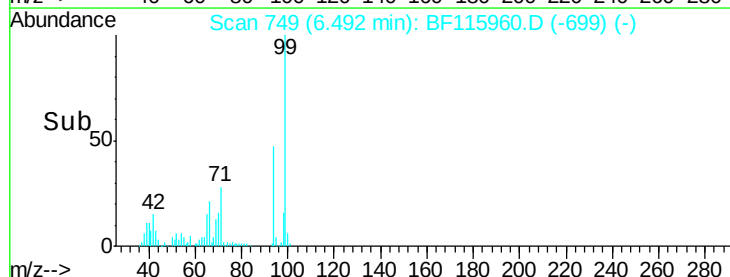
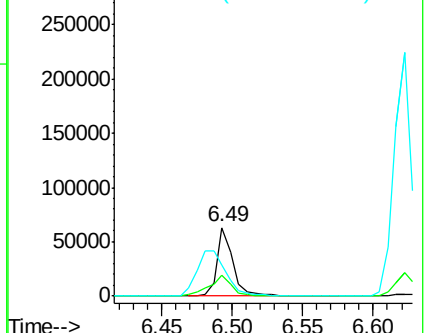
66 45.5 18.0 58.0

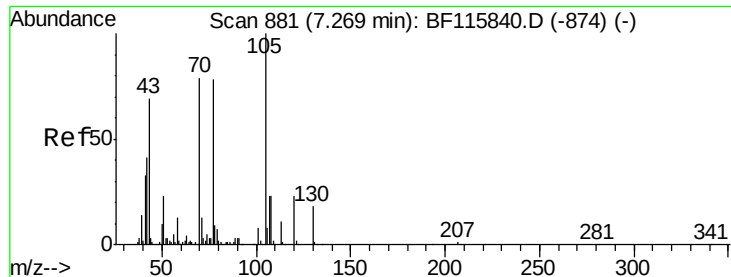


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

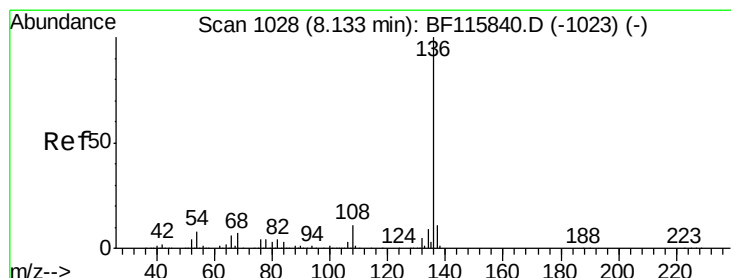
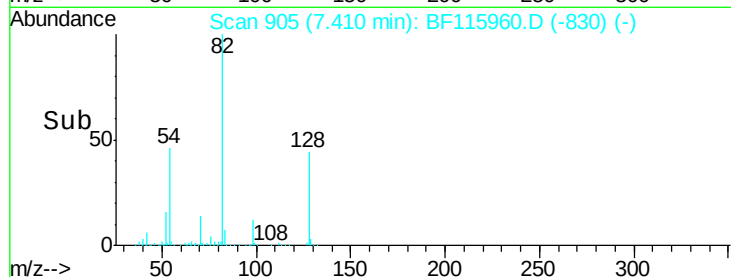
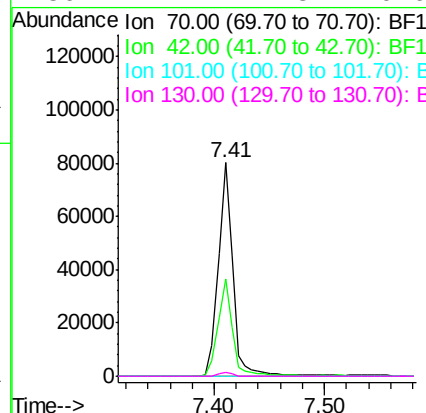
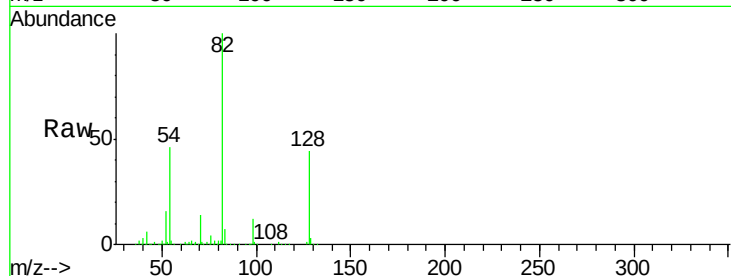




#19
n-Nitroso-di-n-propylamine
Concen: 13.739 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

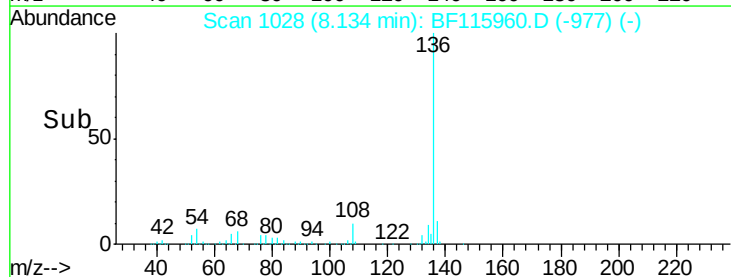
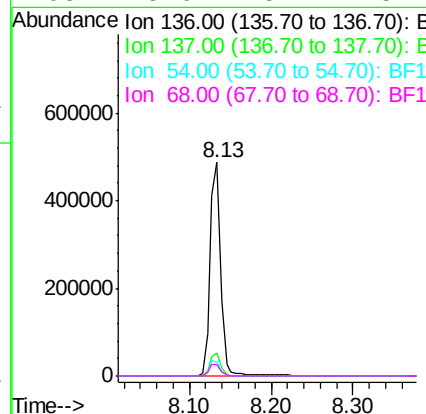
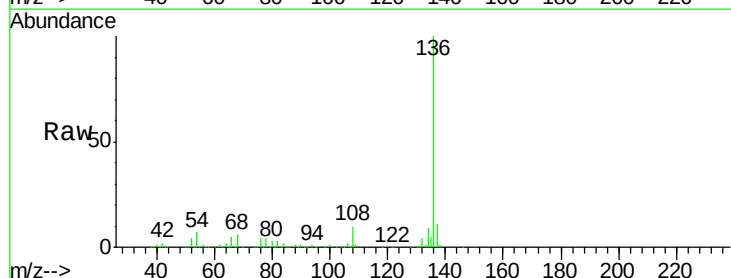
Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMP

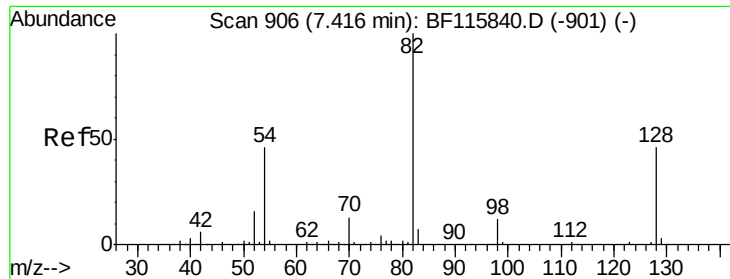
Tot Ion: 70 Resp: 73341
Ion Ratio Lower Upper
70 100
42 45.7 41.8 62.8
101 0.0 7.7 11.5#
130 2.1 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

Tgt Ion: 136 Resp: 444365
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.6 6.1 9.1
68 5.6 5.4 8.2

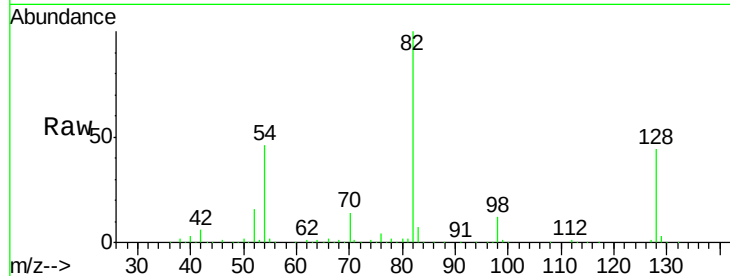




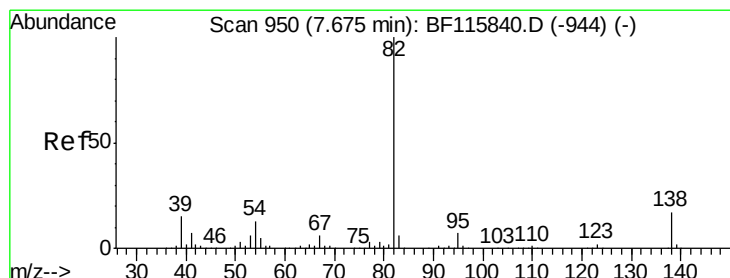
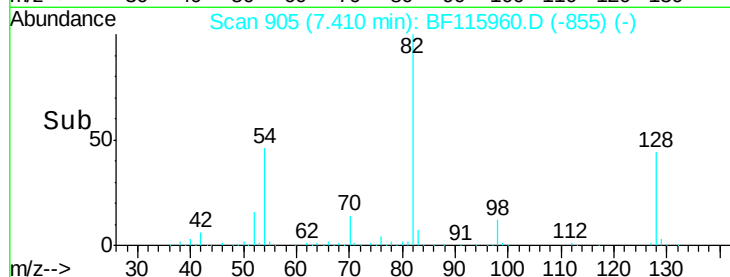
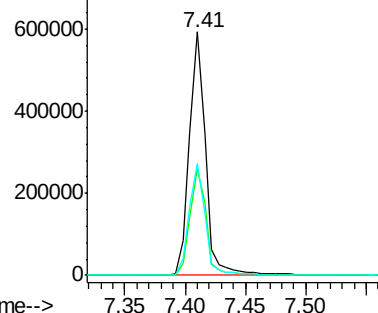
#23
Nitrobenzene-d5
Concen: 70.731 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMP

Tot Ion: 82 Resp: 544504
Ion Ratio Lower Upper
82 100
128 43.8 36.6 55.0
54 45.9 36.6 55.0

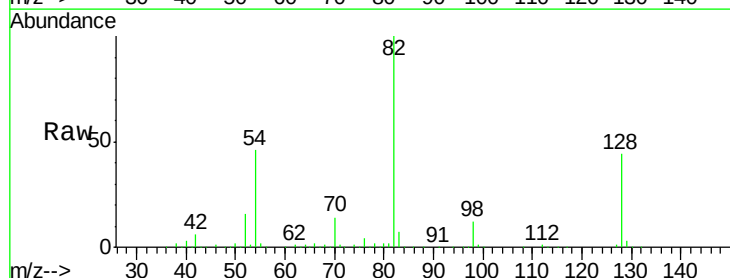


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

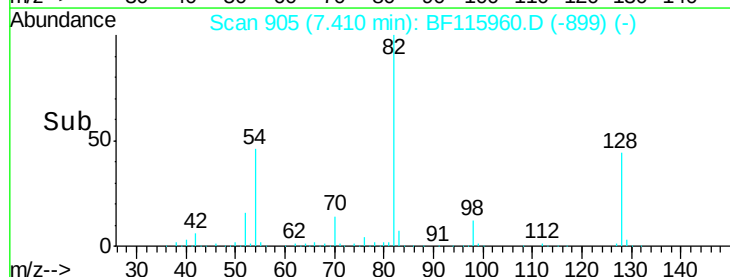
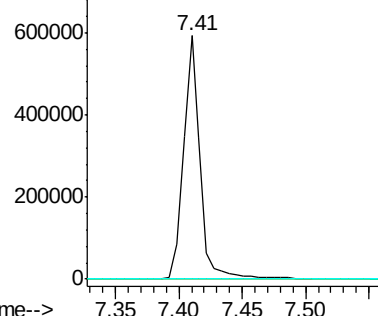


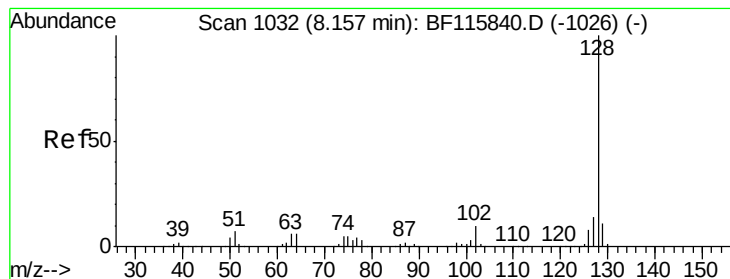
#25
Isophorone
Concen: 36.990 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

Tgt Ion: 82 Resp: 544496
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



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: 33.597 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

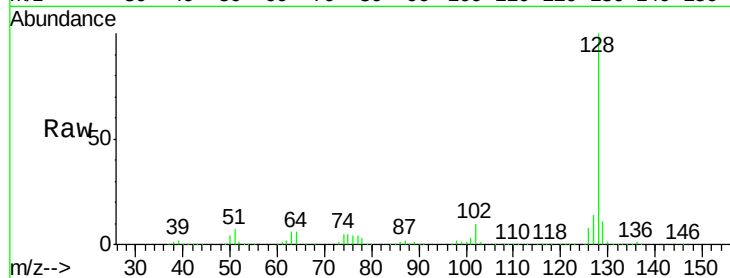
Tot Ion:128 Resp: 702536

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

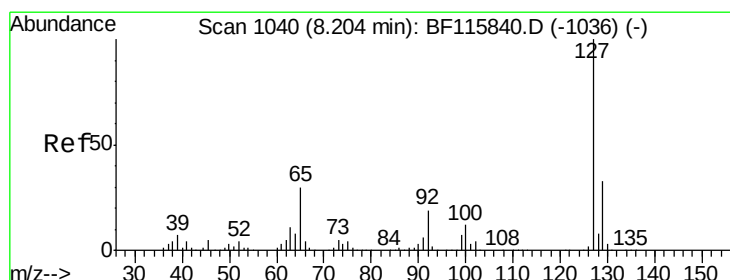
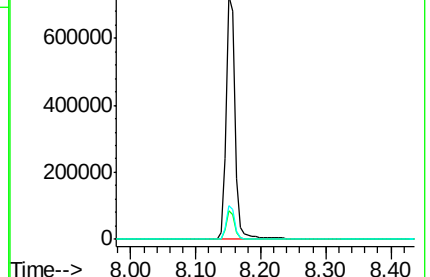
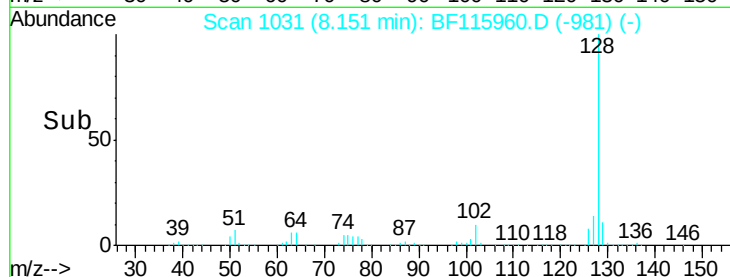
127 13.7 11.0 16.4



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: 9.909 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.05 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Tgt Ion:127 Resp: 92584

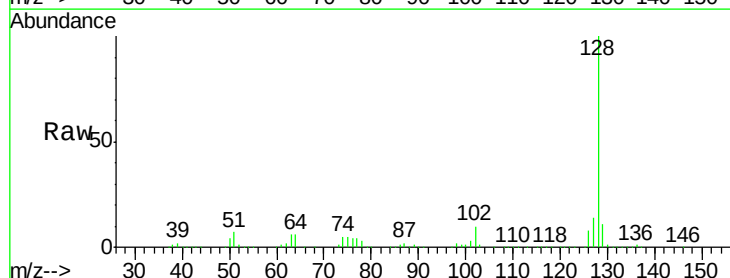
Ion Ratio Lower Upper

127 100

129 84.1 26.0 39.0#

65 0.0 23.9 35.9#

92 0.0 14.9 22.3#

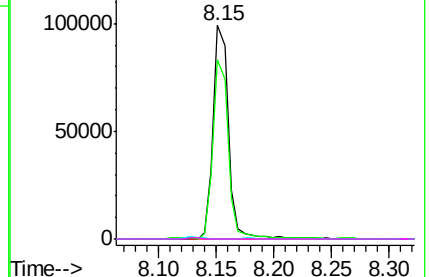
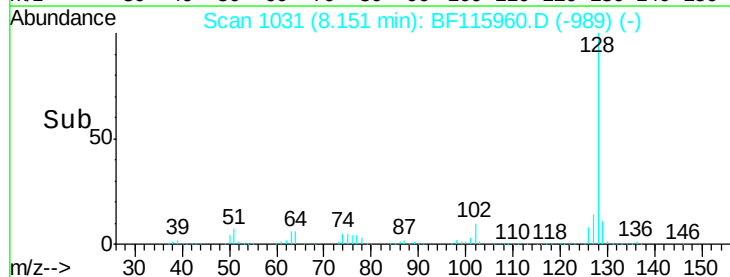


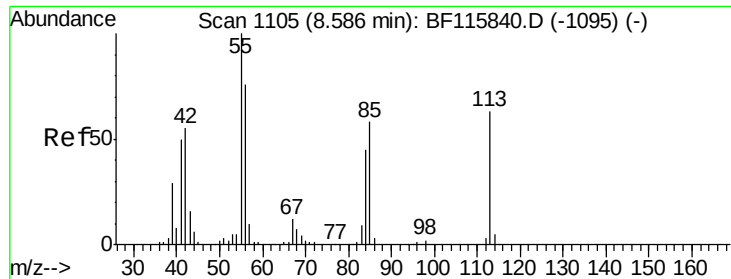
Abundance Ion 127.00 (126.70 to 127.70): E

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





#35

Caprolactam

Concen: 3.253 ng

RT: 8.85 min Scan# 1149

Delta R.T. 0.26 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

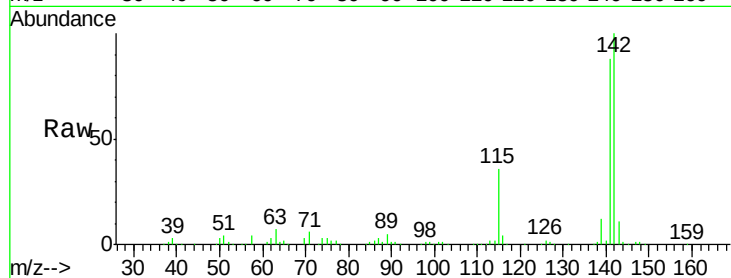
Tot Ion:113 Resp: 6549

Ion Ratio Lower Upper

113 100

55 8.9 138.1 178.1#

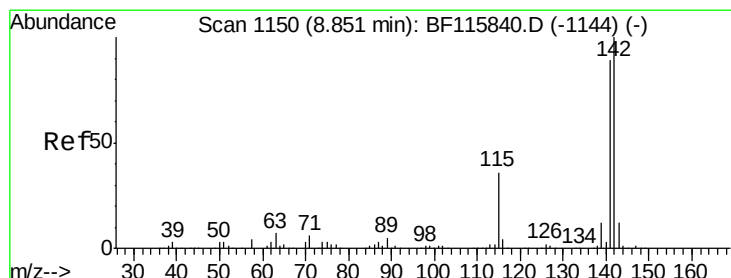
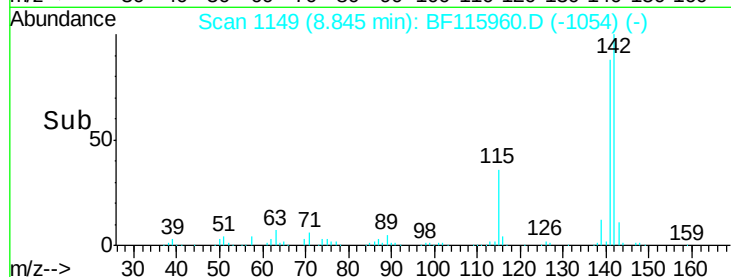
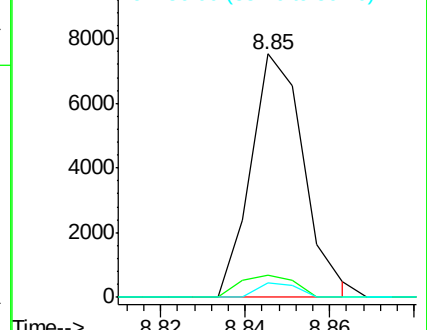
56 6.2 100.6 140.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#37

2-Methylnaphthalene

Concen: 21.418 ng

RT: 8.85 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

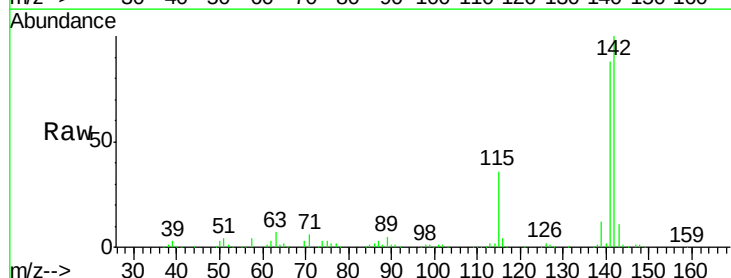
Tgt Ion:142 Resp: 294958

Ion Ratio Lower Upper

142 100

141 87.8 71.4 107.2

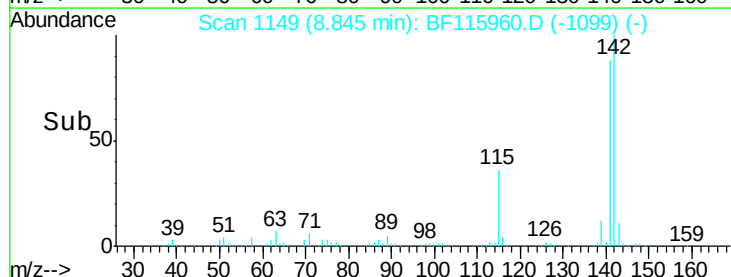
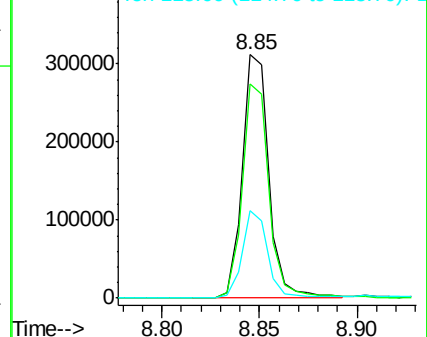
115 35.8 28.9 43.3

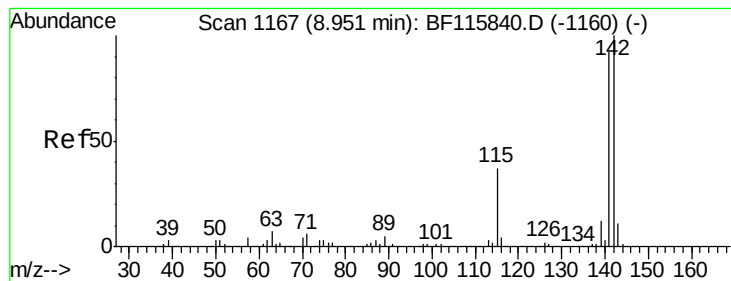


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

1-Methylnaphthalene

Concen: 15.677 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

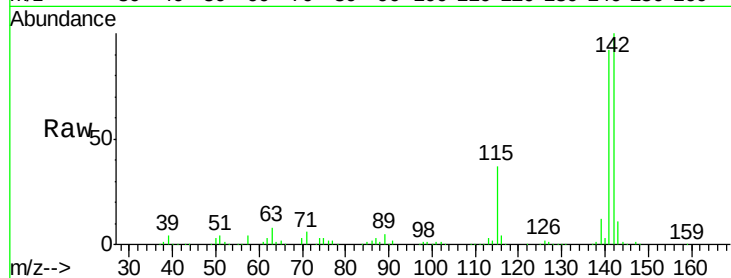
Tot Ion:142 Resp: 204244

Ion Ratio Lower Upper

142 100

141 92.1 73.8 110.6

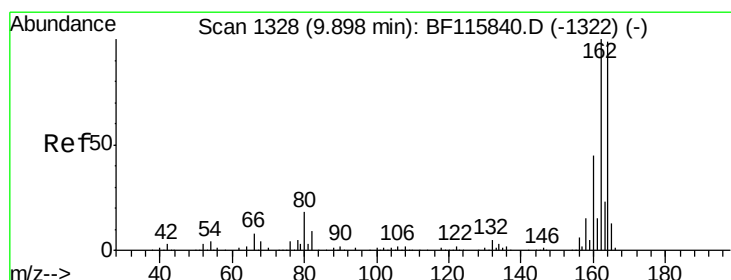
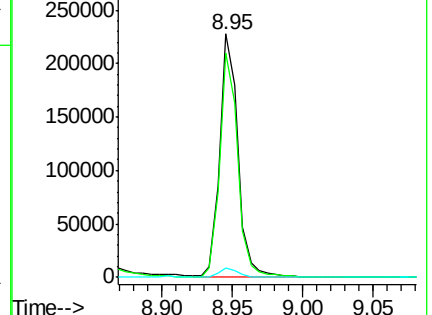
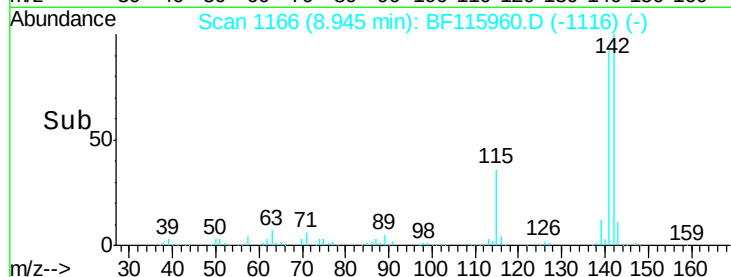
116 3.8 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

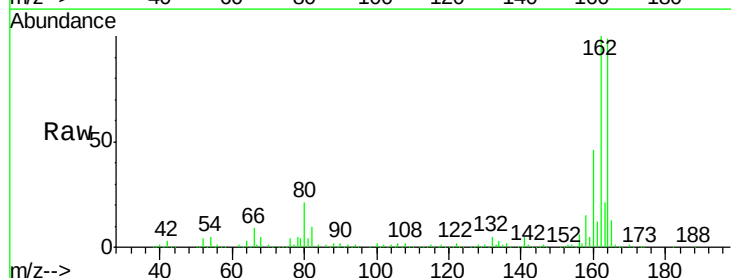
Tgt Ion:164 Resp: 241220

Ion Ratio Lower Upper

164 100

162 101.2 80.8 121.2

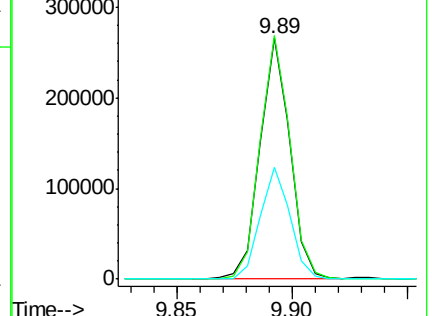
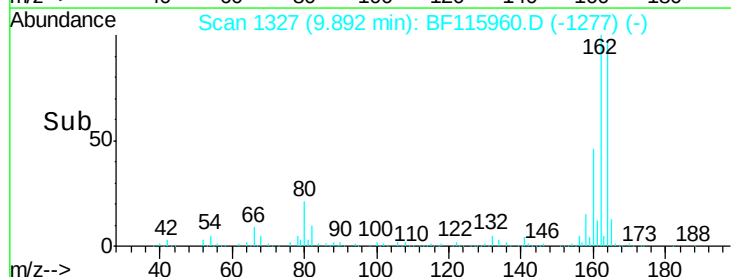
160 46.2 36.2 54.4

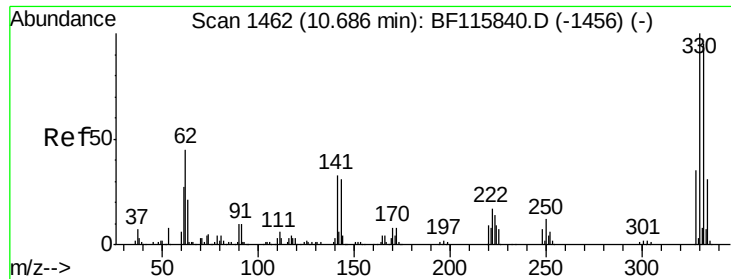


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 94.616 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.00 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

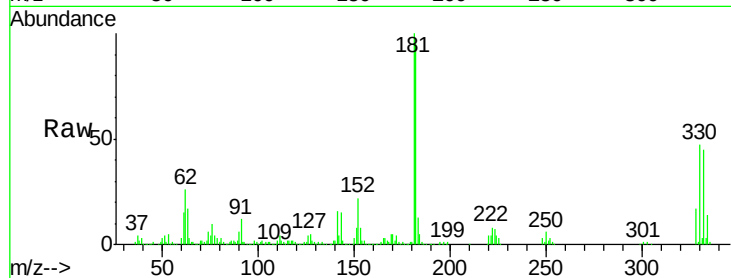
Tot Ion:330 Resp: 221277

Ion Ratio Lower Upper

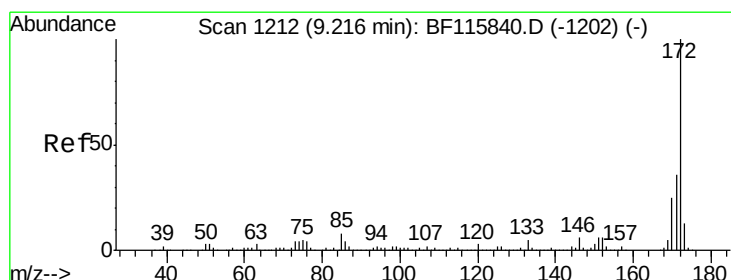
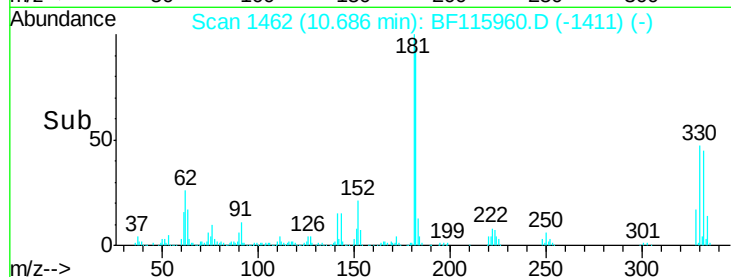
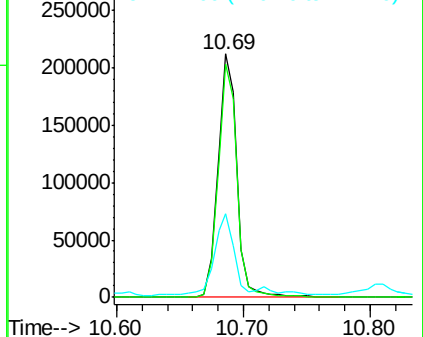
330 100

332 96.5 77.7 116.5

141 36.7 28.1 42.1



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: 73.429 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

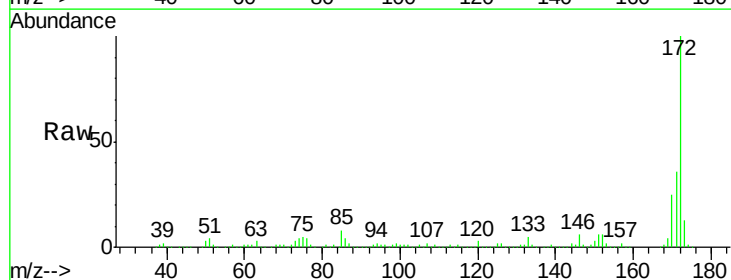
Tgt Ion:172 Resp: 945637

Ion Ratio Lower Upper

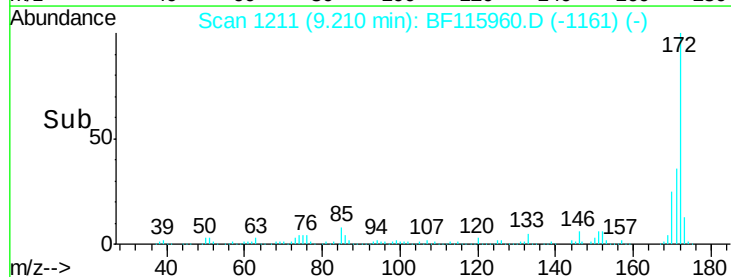
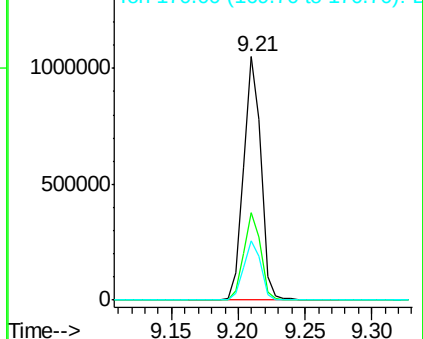
172 100

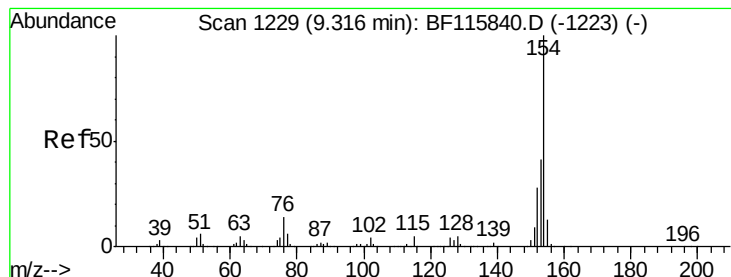
171 36.0 29.1 43.7

170 24.6 20.1 30.1



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: 8.294 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

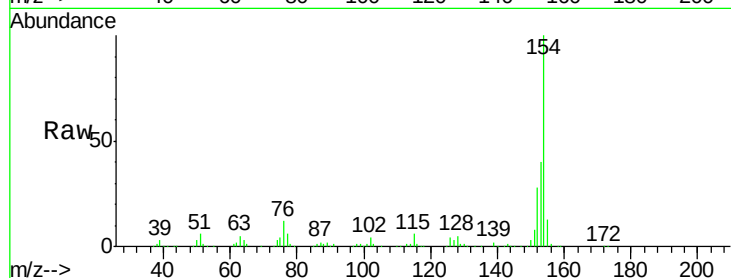
Tot Ion:154 Resp: 141255

Ion Ratio Lower Upper

154 100

153 39.7 20.9 60.9

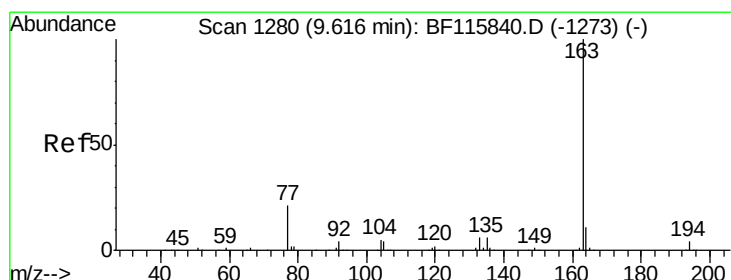
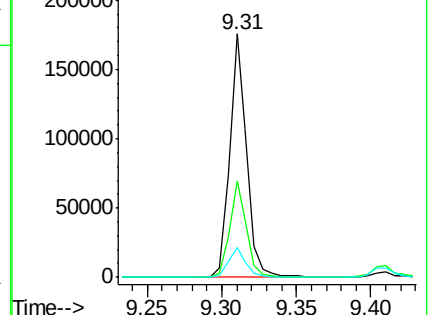
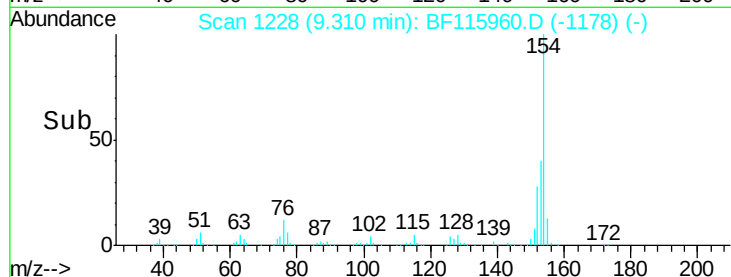
76 12.4 0.0 34.3



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



#50

Dimethylphthalate

Concen: 5.394 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

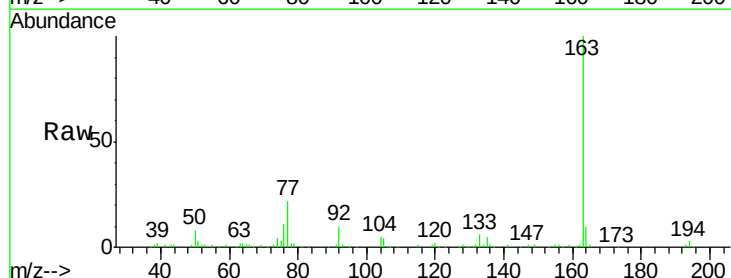
Tgt Ion:163 Resp: 88594

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.6

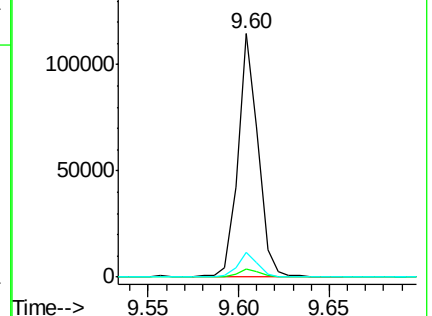
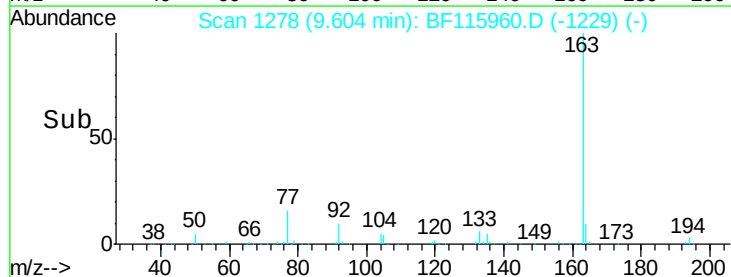
164 10.3 8.4 12.6

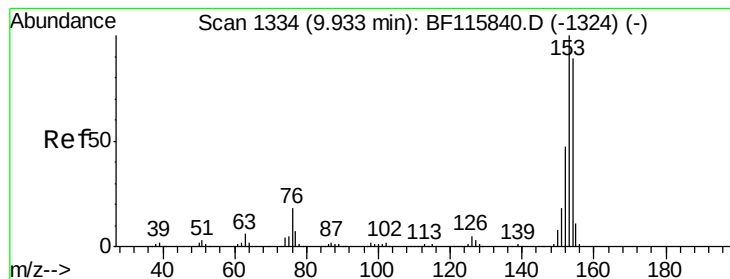


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 105.234 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

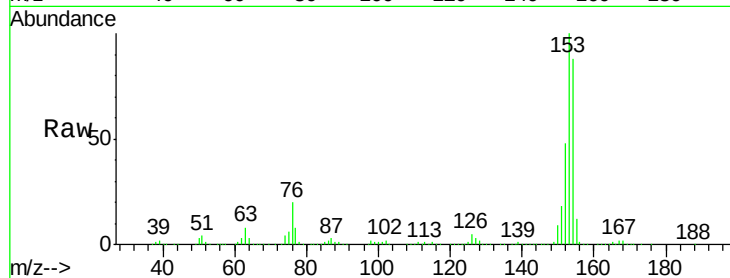
Tot Ion:154 Resp: 1335001

Ion Ratio Lower Upper

154 100

153 113.2 90.1 135.1

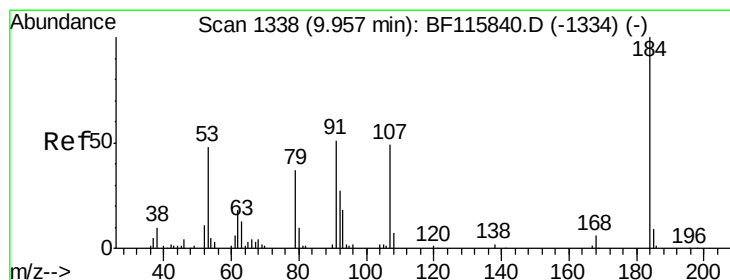
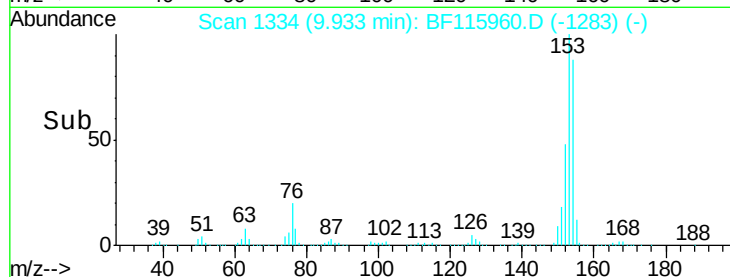
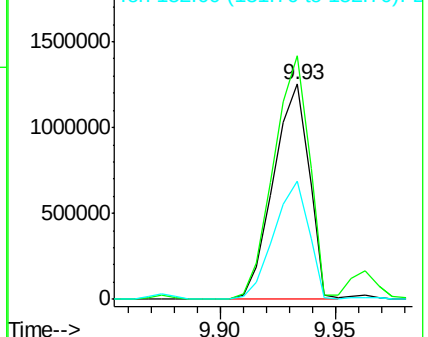
152 54.7 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 7.874 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.15 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

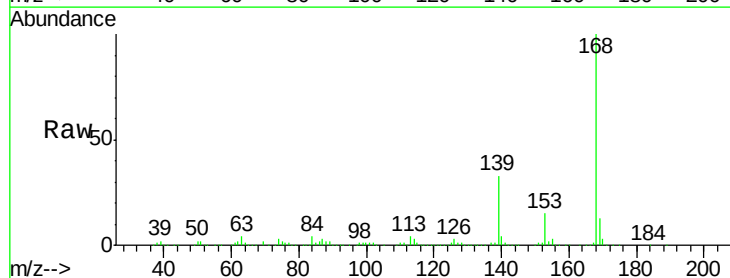
Tgt Ion:184 Resp: 124

Ion Ratio Lower Upper

184 100

63 6340.7 56.7 85.1#

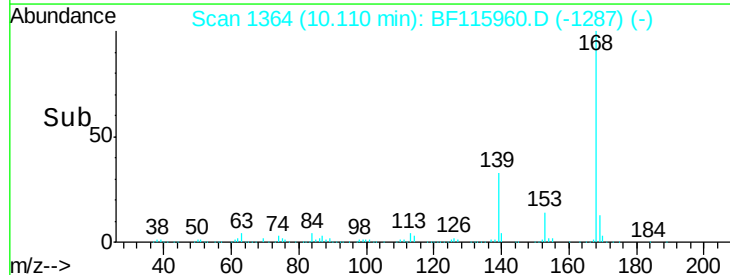
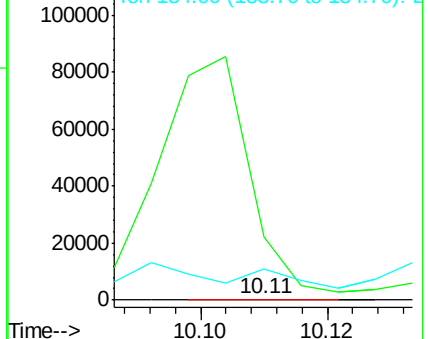
154 3137.6 51.9 77.9#

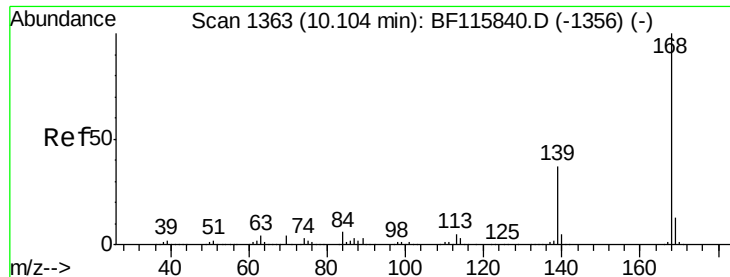


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 80.605 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

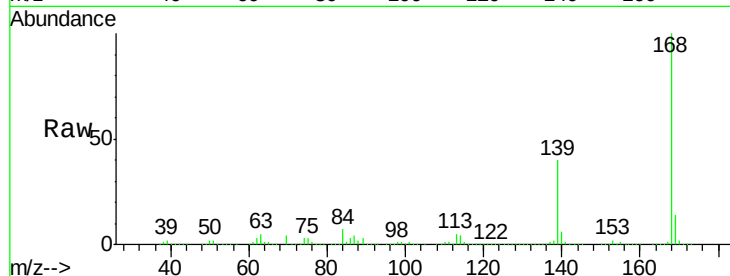
Tot Ion:168 Resp: 1487068

Ion Ratio Lower Upper

168 100

139 39.6 30.2 45.2

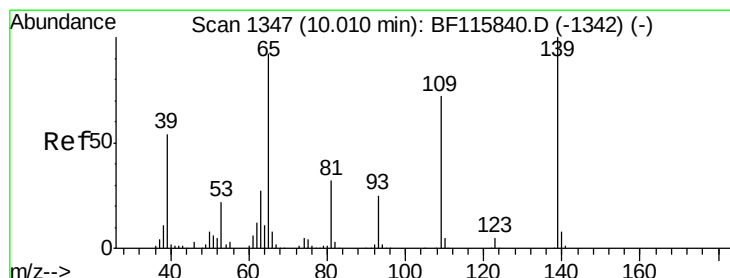
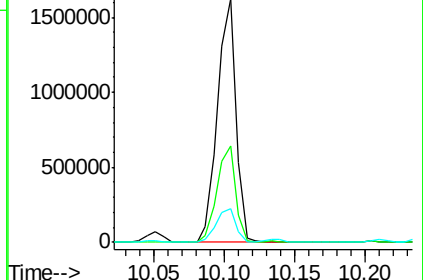
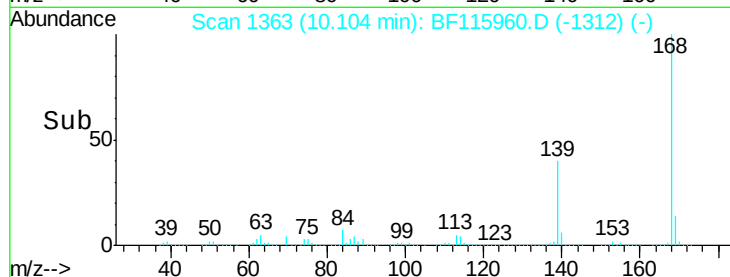
169 14.1 10.8 16.2



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: 207.966 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.09 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

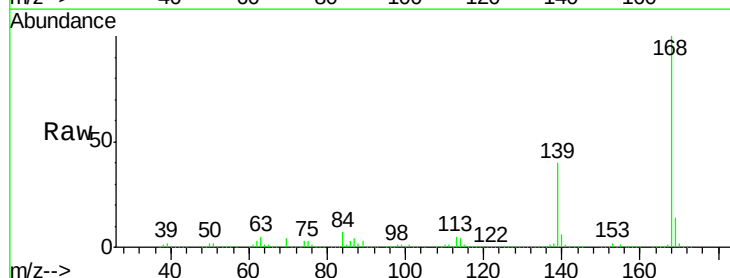
Tgt Ion:139 Resp: 587556

Ion Ratio Lower Upper

139 100

109 0.9 52.0 92.0#

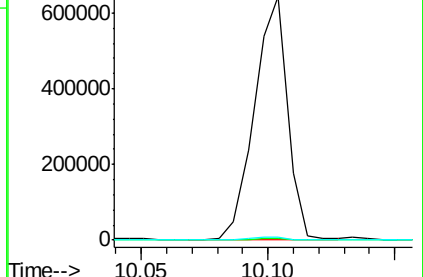
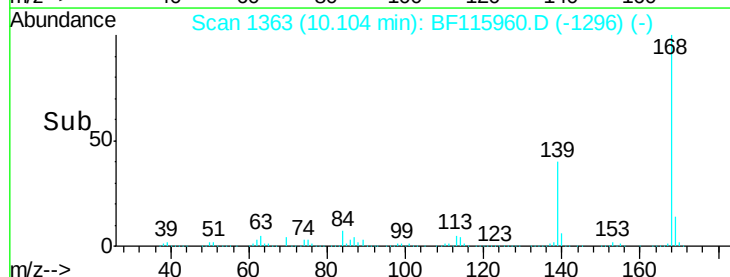
65 1.4 72.6 112.6#

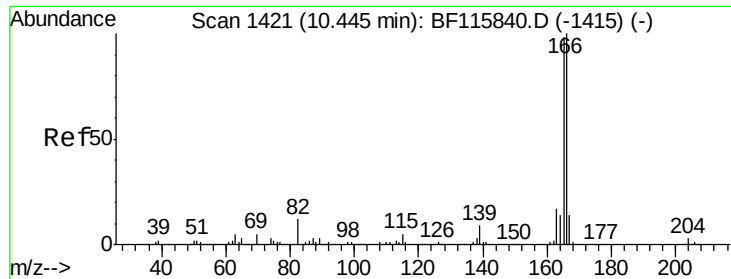


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

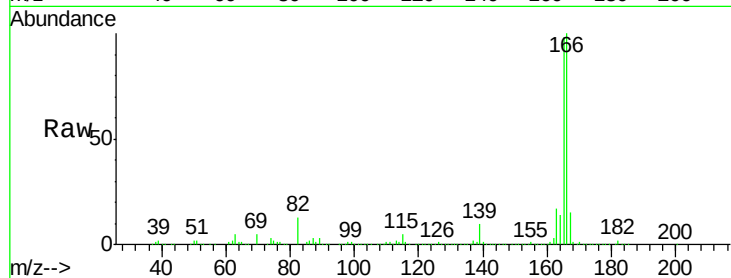




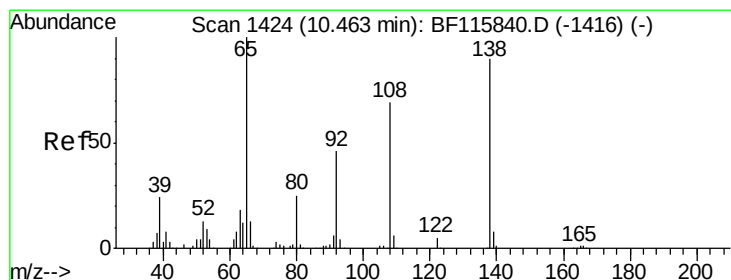
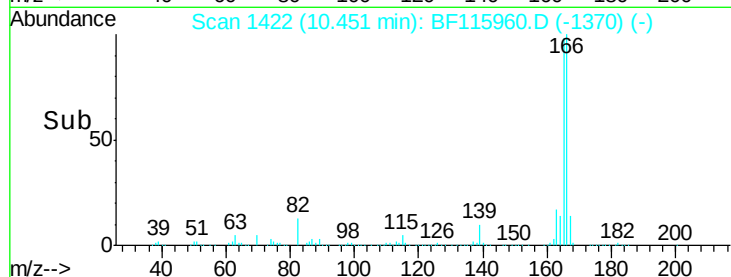
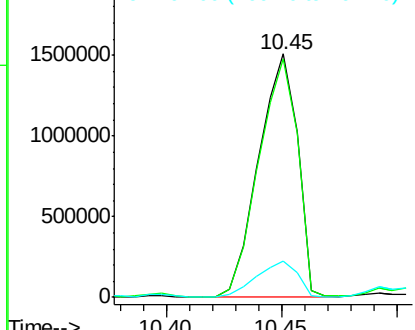
#58
Fluorene
Concen: 123.726 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.01 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMP

Tot Ion:166 Resp: 1756164
Ion Ratio Lower Upper
166 100
165 98.2 78.6 118.0
167 14.9 10.9 16.3

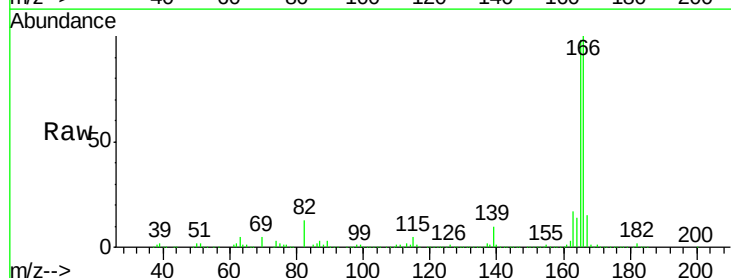


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

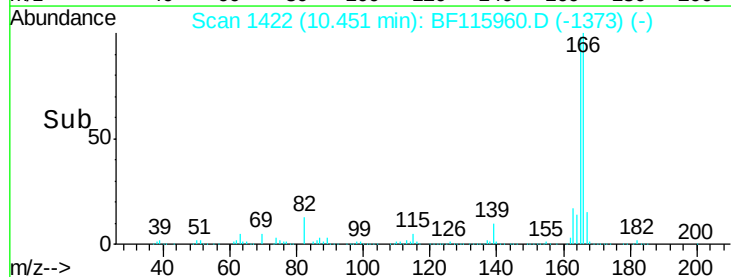
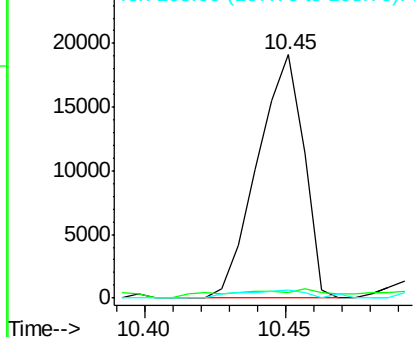


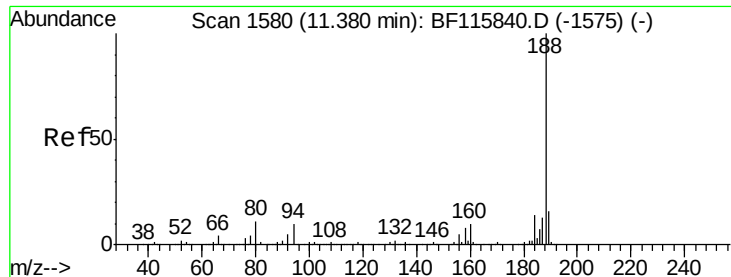
#62
4-Nitroaniline
Concen: 4.763 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

Tgt Ion:138 Resp: 21711
Ion Ratio Lower Upper
138 100
92 2.1 31.0 71.0#
108 3.4 56.7 96.7#



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: 11.39 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

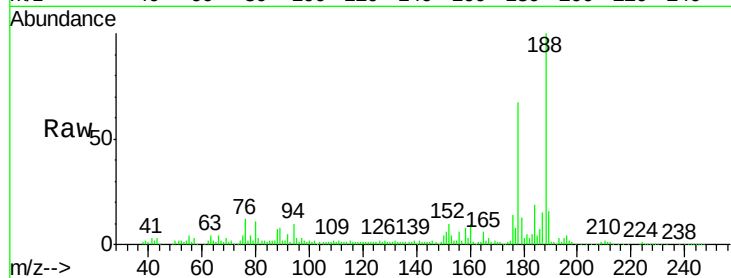
Tot Ion:188 Resp: 388160

Ion Ratio Lower Upper

188 100

94 10.0 8.0 12.0

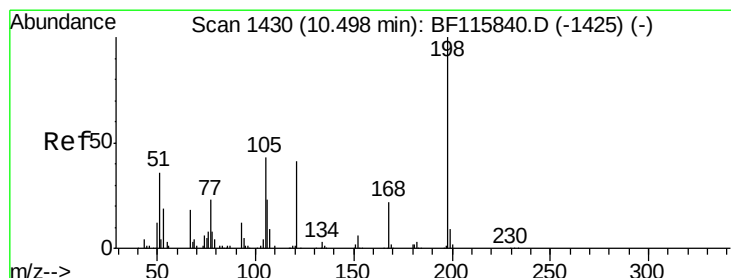
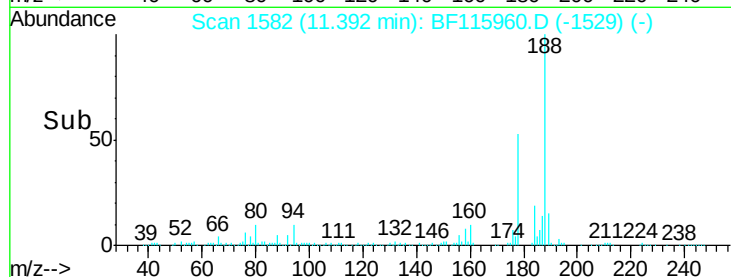
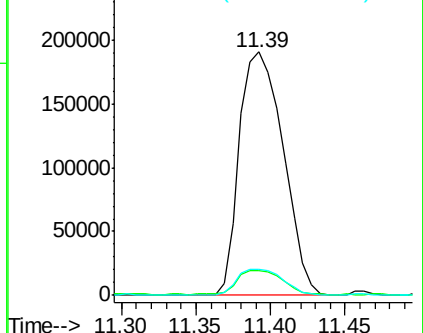
80 10.6 8.6 12.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 2.622 ng

RT: 10.76 min Scan# 1475

Delta R.T. 0.26 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

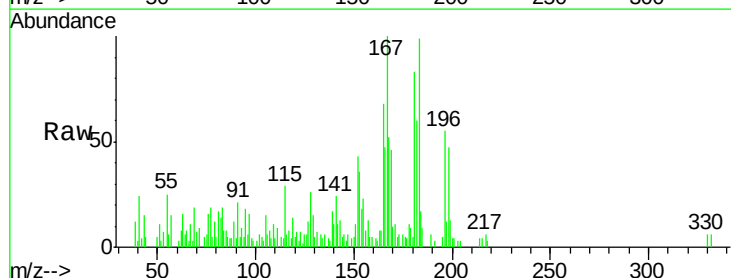
Tgt Ion:198 Resp: 5394

Ion Ratio Lower Upper

198 100

51 24.0 21.1 61.1

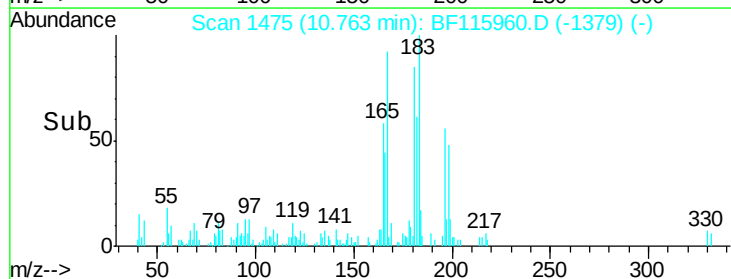
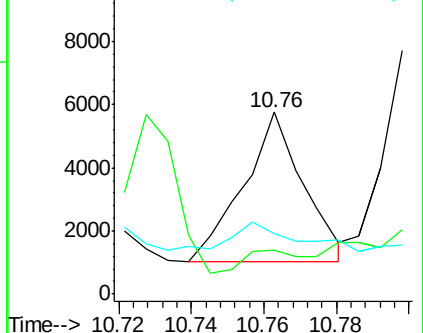
105 32.9 24.5 64.5

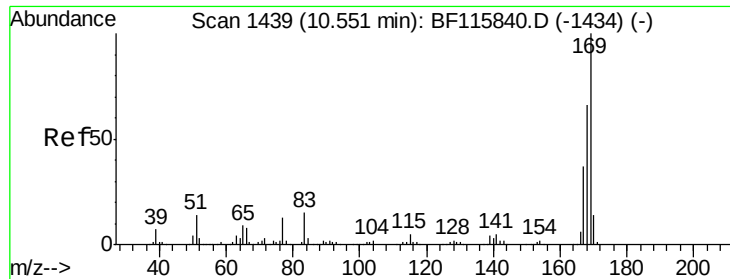


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

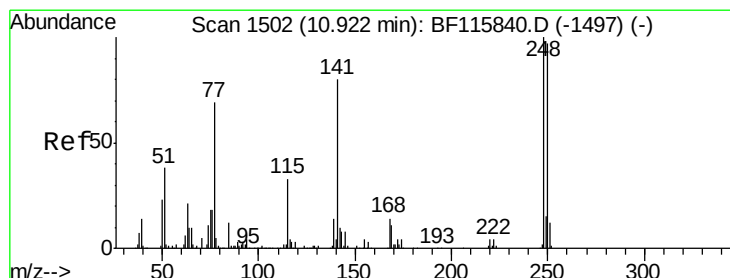
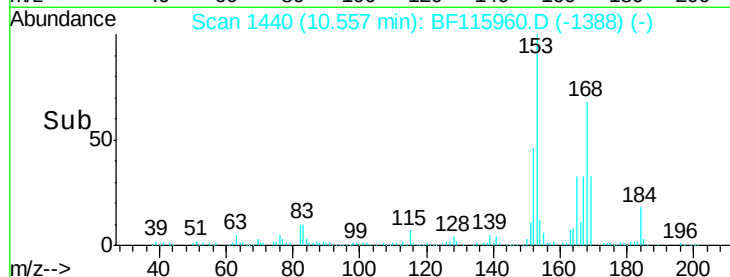
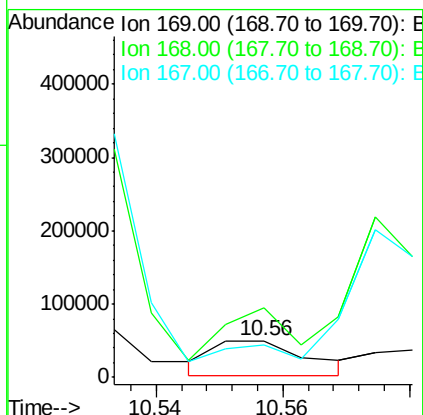
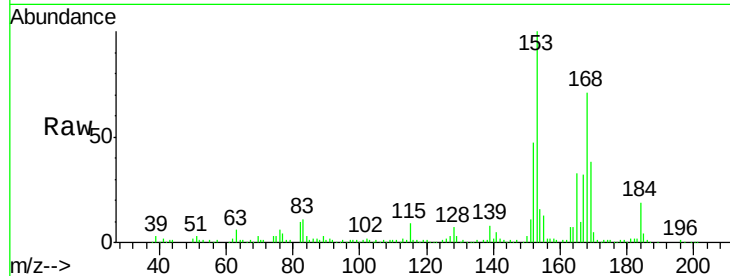




#66
 n-Nitrosodiphenylamine
 Concen: 4.238 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF115960.D
 Acq: 2 Aug 2019 21:23

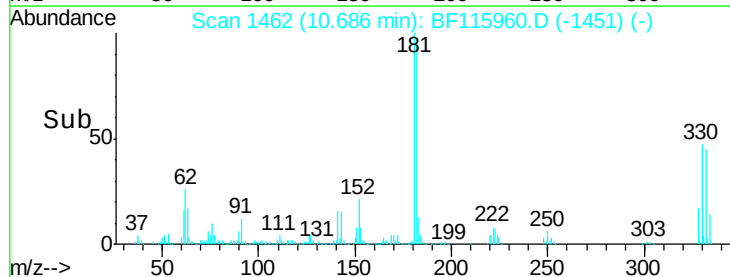
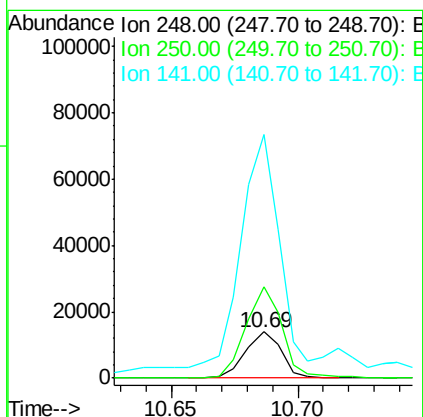
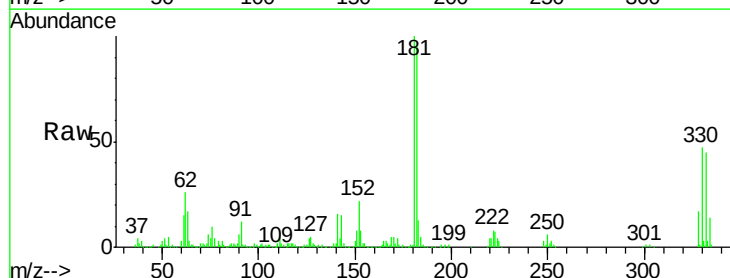
Instrument :
 BNA_F
 ClientSampleId :
 1S-G-(0-30)-COMP

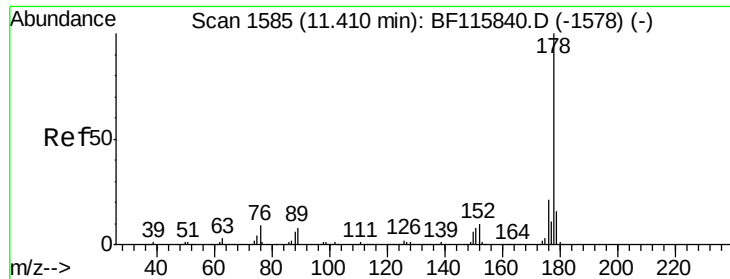
Tot Ion:169 Resp: 49512
 Ion Ratio Lower Upper
 169 100
 168 190.5 53.0 79.6#
 167 86.6 29.9 44.9#



#67
 4-Bromophenyl-phenylether
 Concen: 3.298 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.24 min
 Lab File: BF115960.D
 Acq: 2 Aug 2019 21:23

Tgt Ion:248 Resp: 13706
 Ion Ratio Lower Upper
 248 100
 250 198.5 77.8 116.6#
 141 530.5 64.3 96.5#

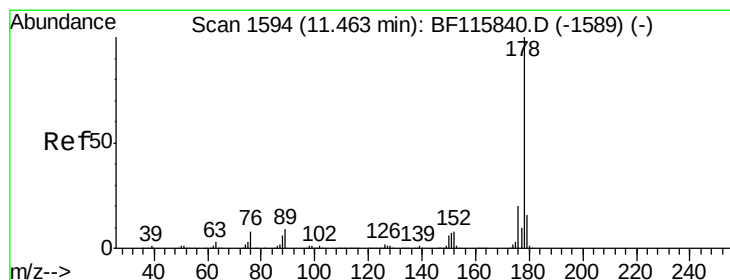
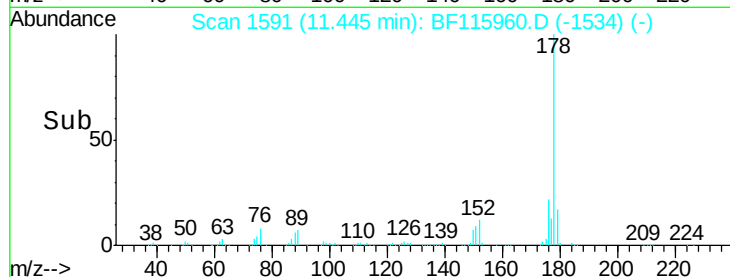
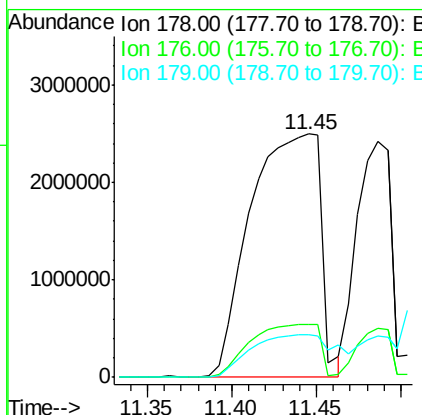
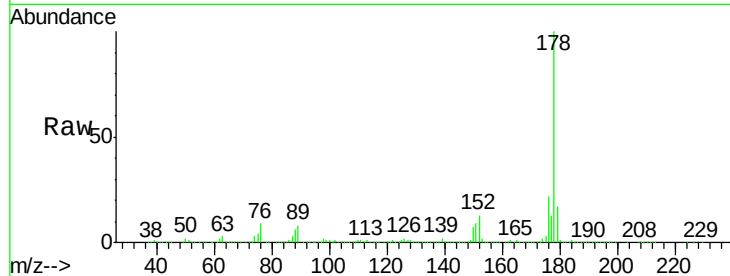




#71
Phenanthrene
Concen: 361.065 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.04 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

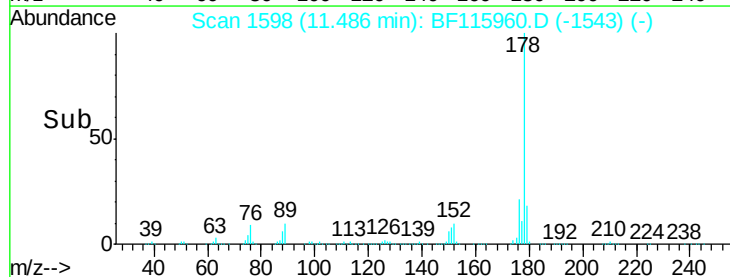
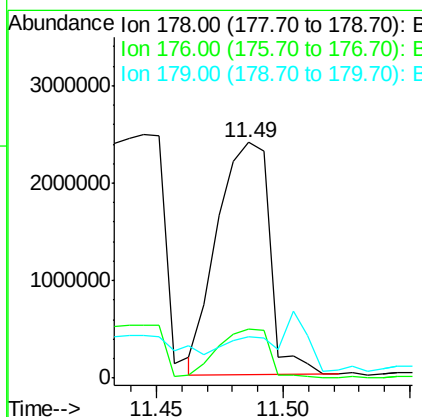
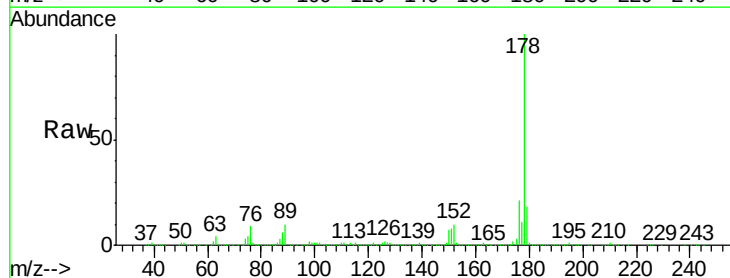
Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMP

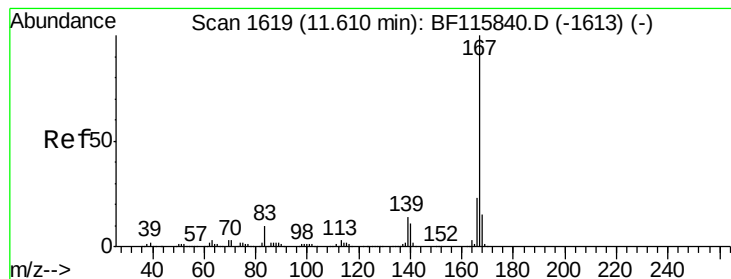
Tot Ion:178 Resp: 7164809
Ion Ratio Lower Upper
178 100
176 21.9 16.5 24.7
179 17.4 12.6 18.8



#72
Anthracene
Concen: 170.585 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.02 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

Tgt Ion:178 Resp: 3425792
Ion Ratio Lower Upper
178 100
176 20.9 15.7 23.5
179 17.6 12.4 18.6





#73

Carbazole

Concen: 76.714 ng

RT: 11.62 min Scan# 1621

Delta R.T. 0.01 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

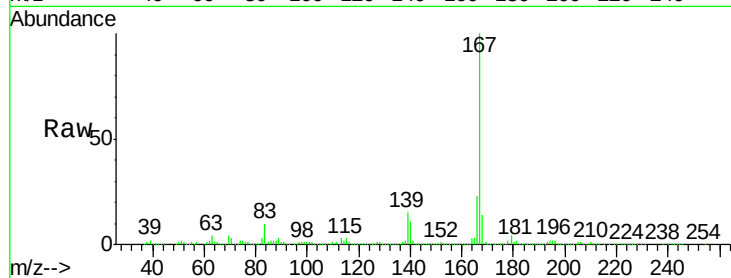
Tot Ion:167 Resp: 1397720

Ion Ratio Lower Upper

167 100

166 23.1 18.0 27.0

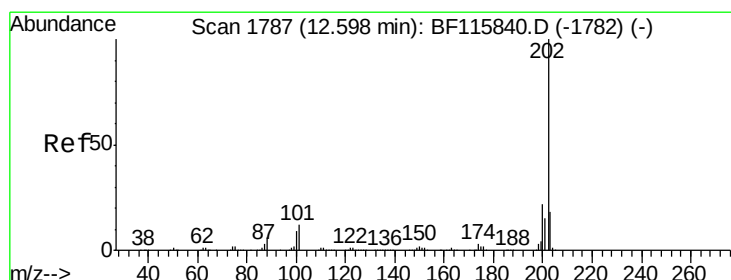
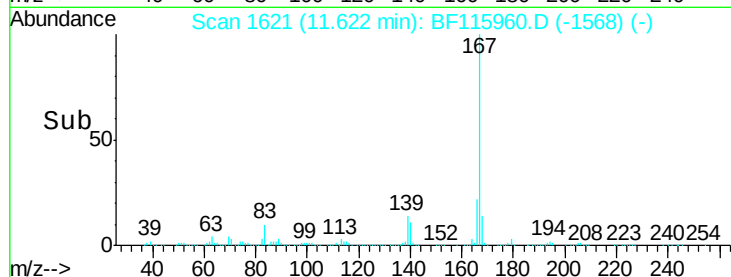
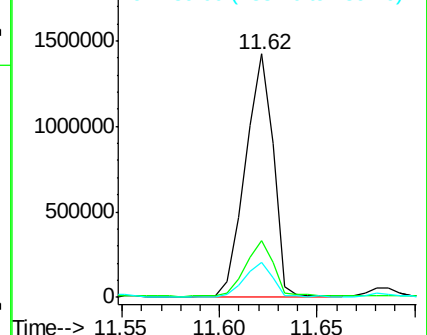
139 14.5 11.4 17.2



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: 336.750 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.04 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

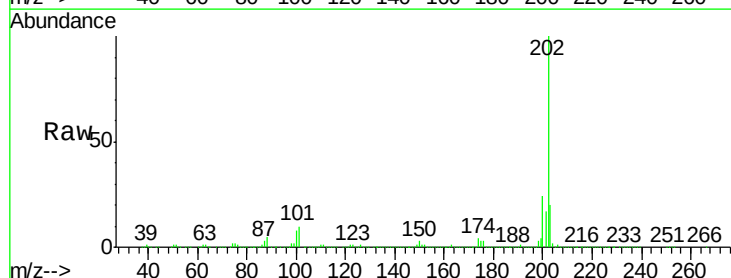
Tgt Ion:202 Resp: 6995738

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.5

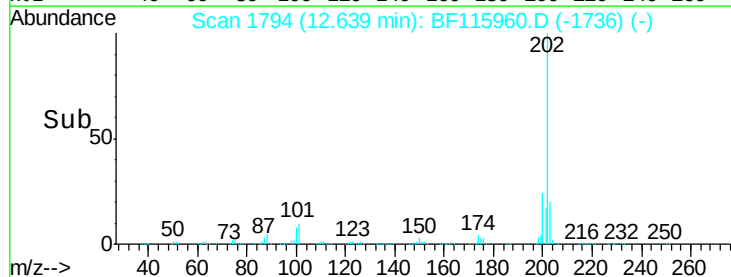
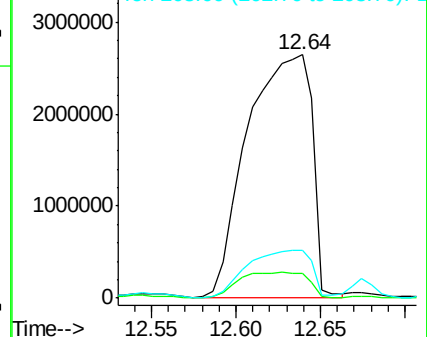
203 19.9 0.0 37.9

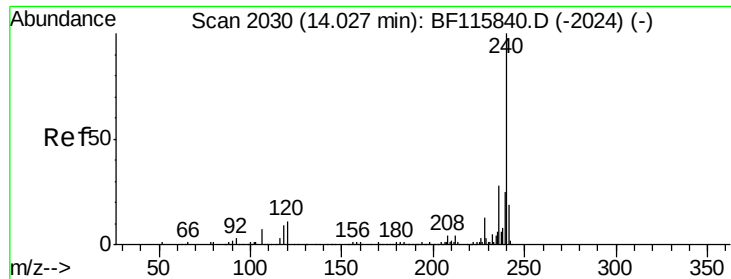


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 2033

Delta R.T. 0.02 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

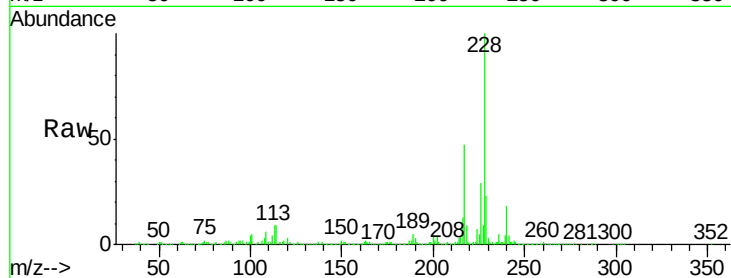
Tot Ion:240 Resp: 218989

Ion Ratio Lower Upper

240 100

120 14.4 8.5 12.7#

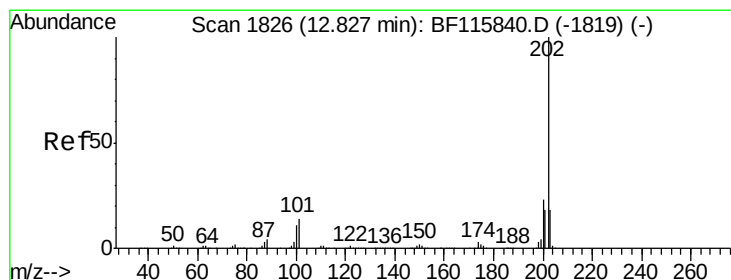
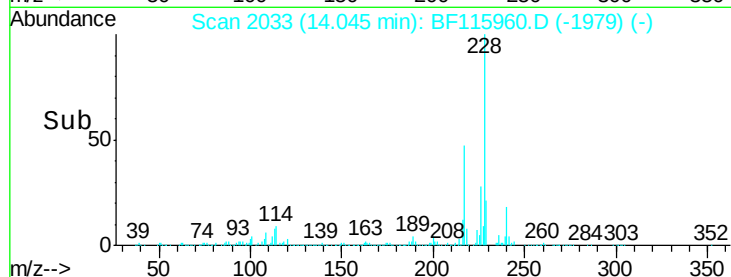
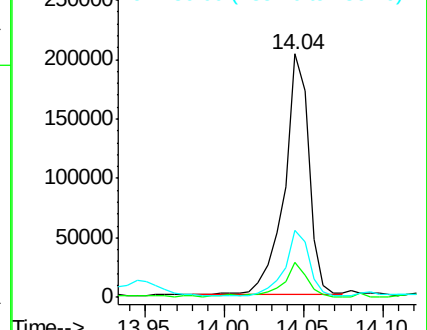
236 27.8 22.2 33.2



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

Pyrene

Concen: 423.786 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.19 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

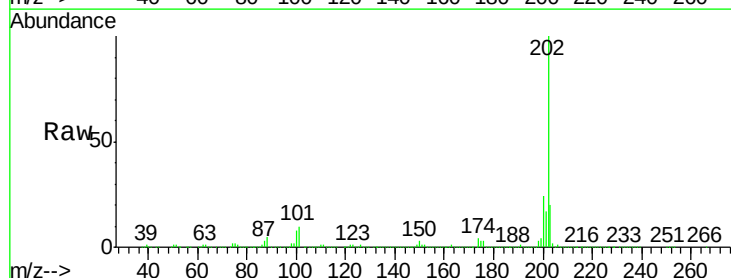
Tgt Ion:202 Resp: 6995738

Ion Ratio Lower Upper

202 100

200 23.7 18.2 27.2

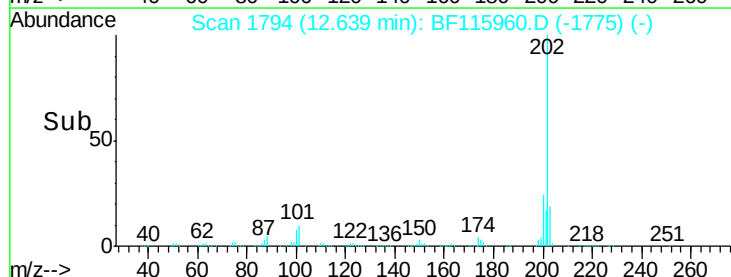
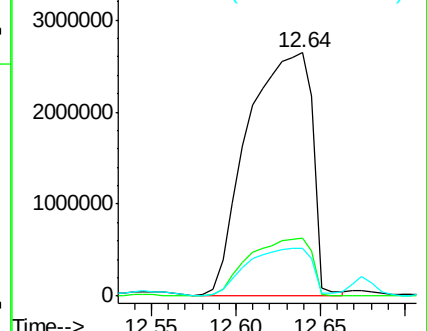
203 19.9 14.3 21.5

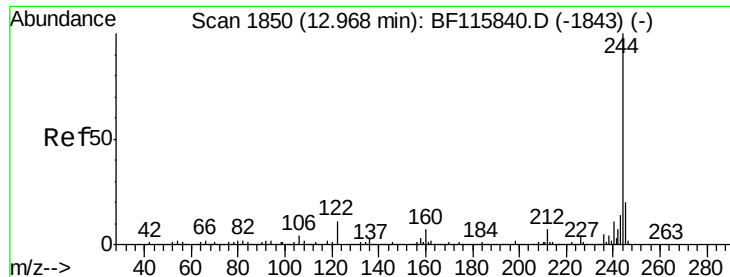


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 102.740 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.01 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

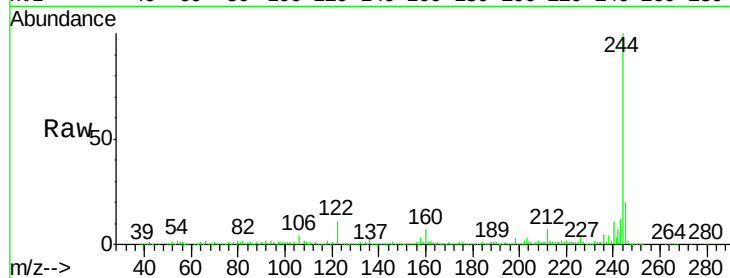
Tot Ion:244 Resp: 1067732

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

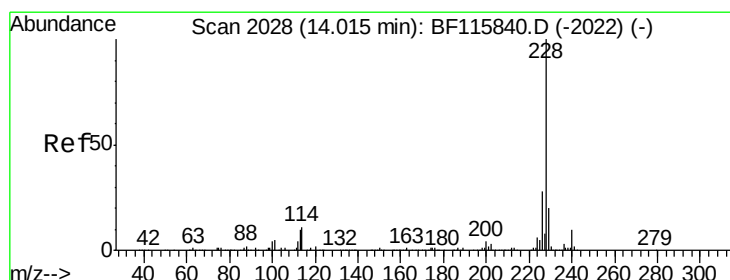
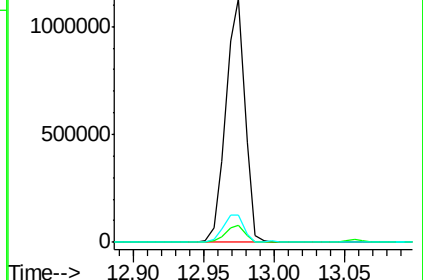
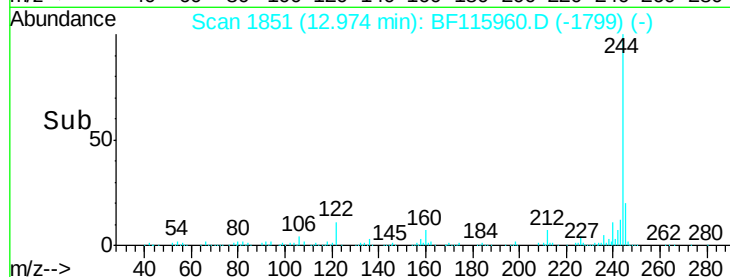
122 11.3 8.6 13.0



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: 243.572 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.02 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

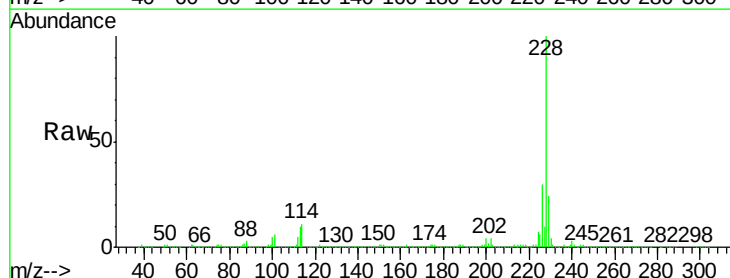
Tgt Ion:228 Resp: 3409281

Ion Ratio Lower Upper

228 100

226 30.3 22.5 33.7

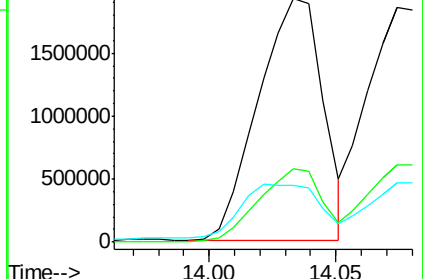
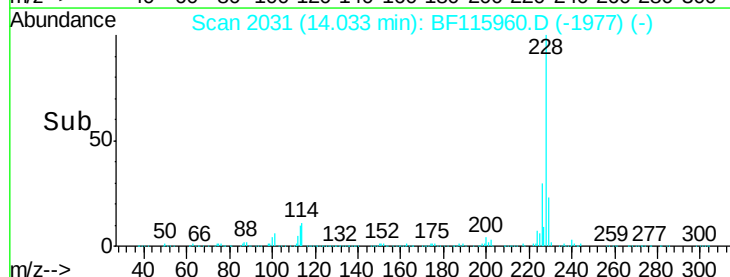
229 23.5 16.1 24.1

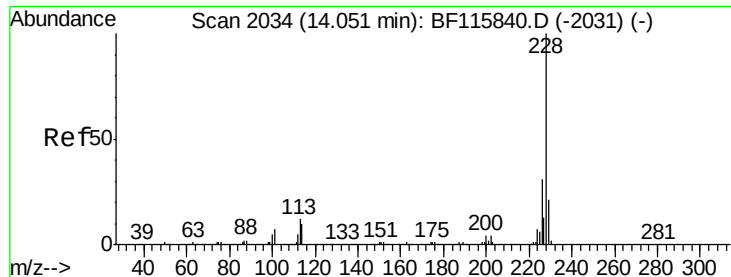


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

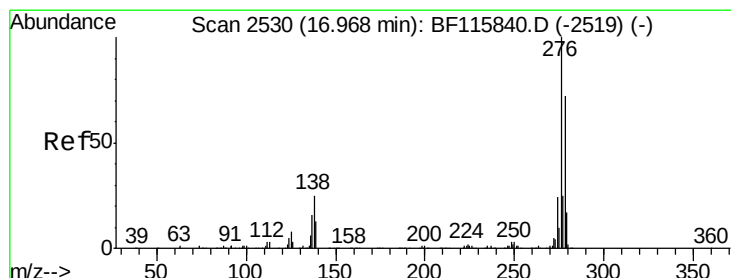
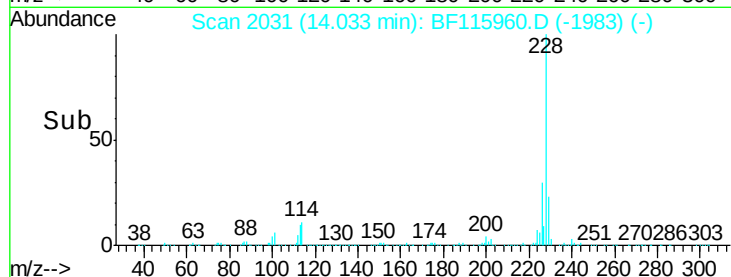
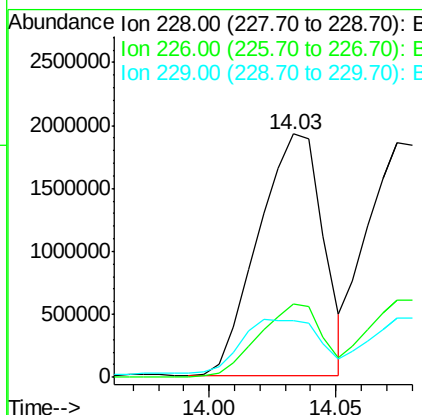
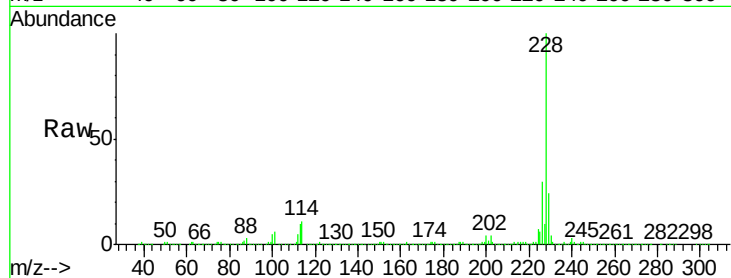




#83
Chrysene
Concen: 250.887 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

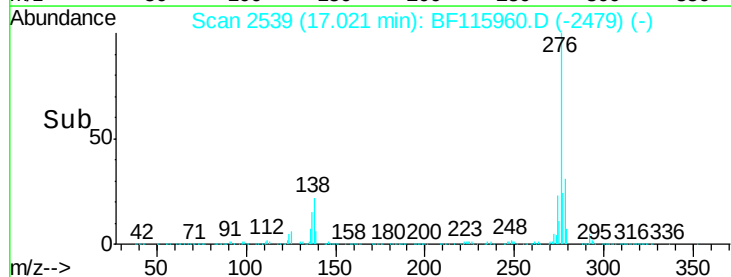
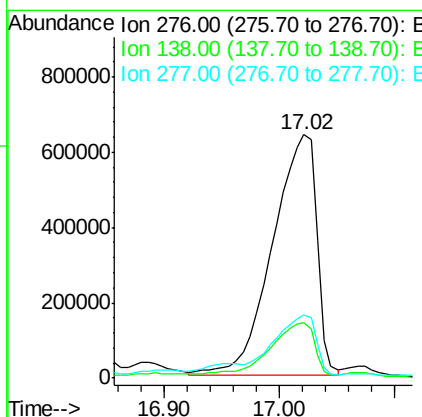
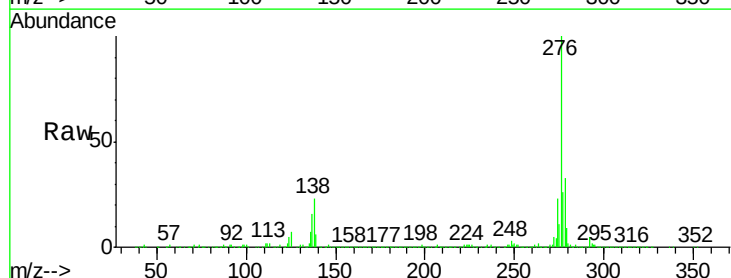
Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMP

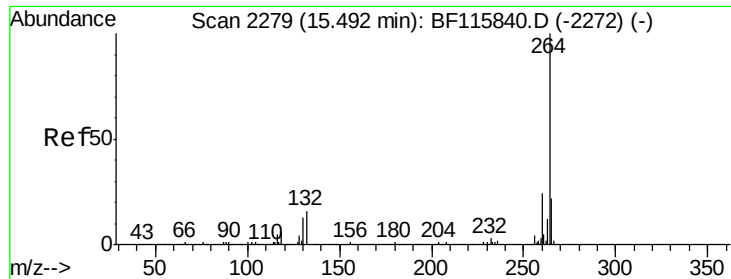
Tot Ion:228 Resp: 3409281
Ion Ratio Lower Upper
228 100
226 30.3 24.8 37.2
229 23.5 16.4 24.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 148.864 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.05 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

Tgt Ion:276 Resp: 1699026
Ion Ratio Lower Upper
276 100
138 23.1 19.6 29.4
277 23.8 20.1 30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.03 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

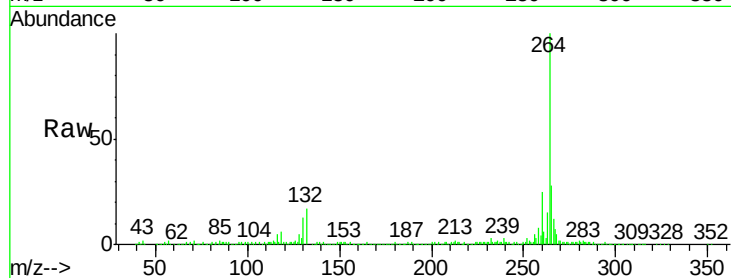
Tot Ion:264 Resp: 379691

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

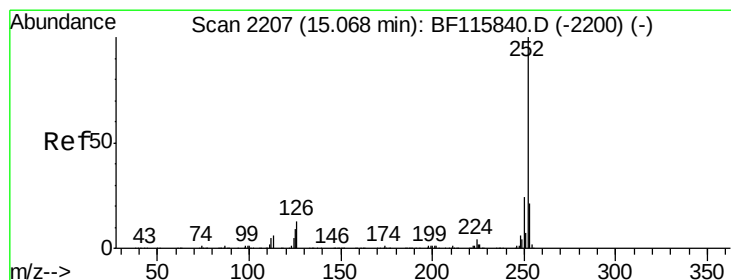
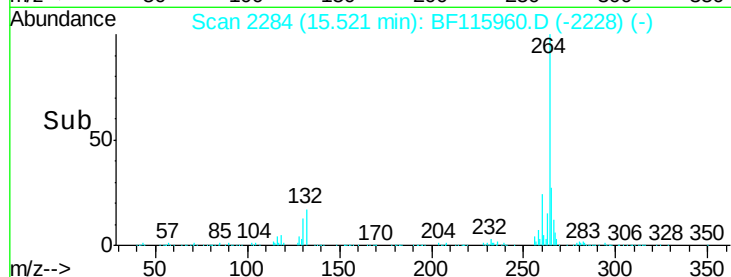
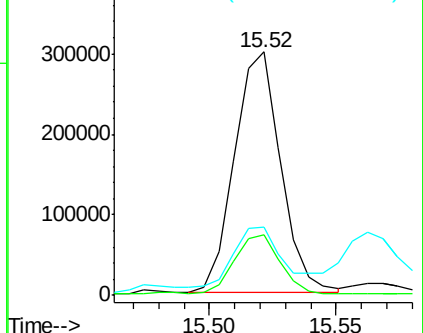
265 27.9 17.5 26.3#



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: 215.258 ng

RT: 15.10 min Scan# 2213

Delta R.T. 0.04 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

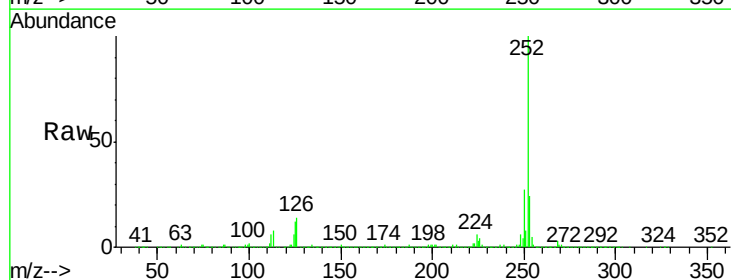
Tgt Ion:252 Resp: 4725807

Ion Ratio Lower Upper

252 100

253 23.9 17.2 25.8

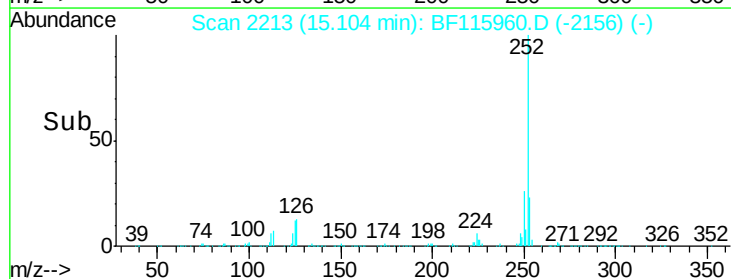
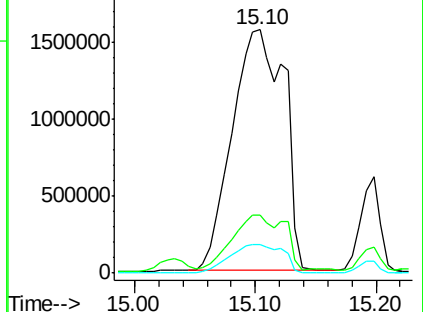
125 11.9 7.4 11.0#

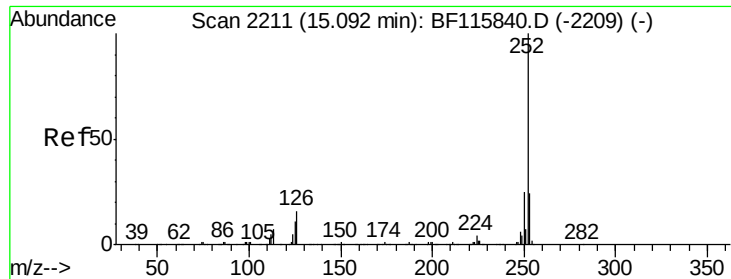


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

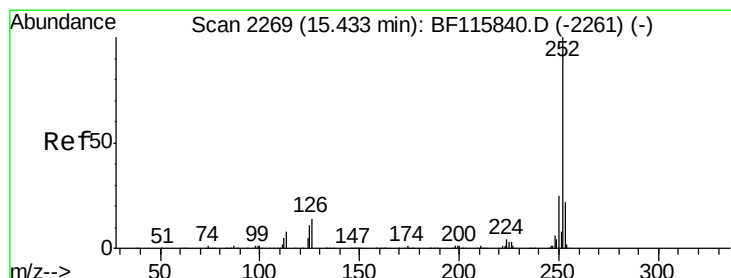
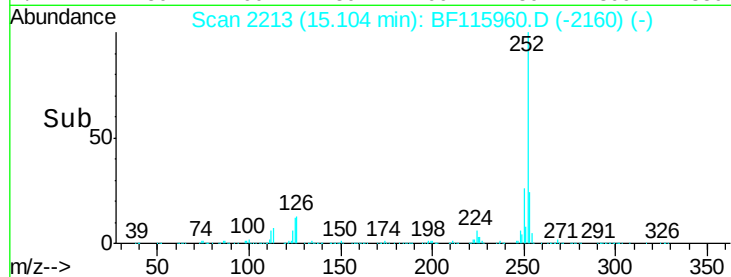
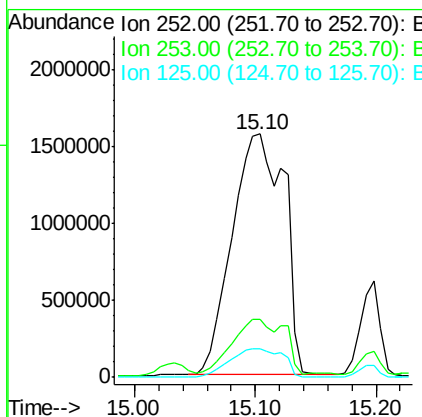
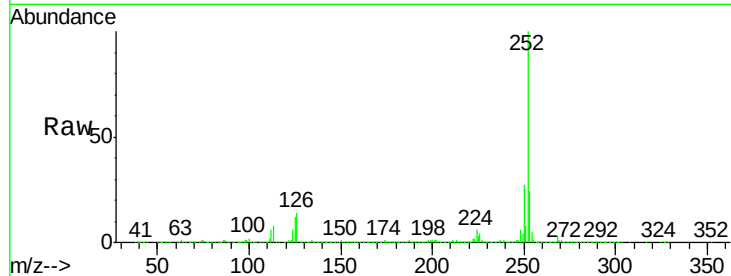




#89
Benzo(k)fluoranthene
Concen: 221.001 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

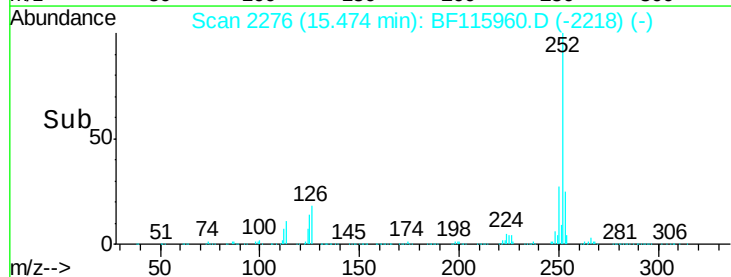
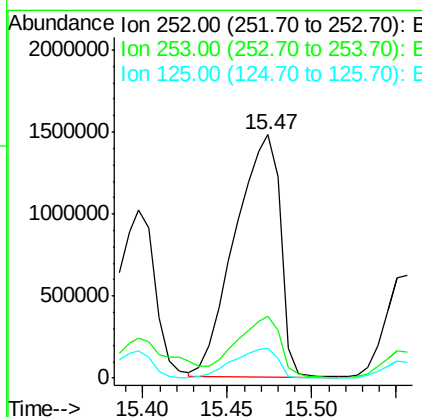
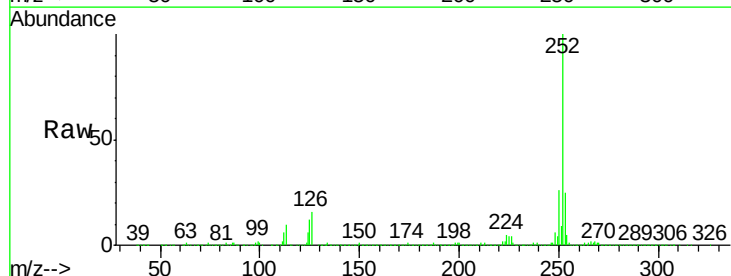
Instrument :
BNA_F
ClientSampleId :
1S-G-(0-30)-COMP

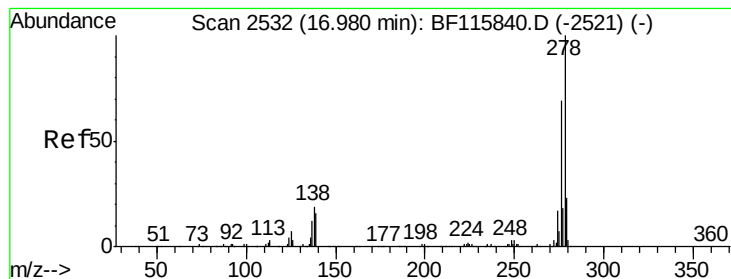
Tot Ion:252 Resp: 4725807
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.4
125 11.9 8.9 13.3



#90
Benzo(a)pyrene
Concen: 140.728 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.04 min
Lab File: BF115960.D
Acq: 2 Aug 2019 21:23

Tgt Ion:252 Resp: 2761849
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 12.3 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 26.424 ng

RT: 17.17 min Scan# 2565

Delta R.T. 0.19 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

Instrument :

BNA_F

ClientSampleId :

1S-G-(0-30)-COMP

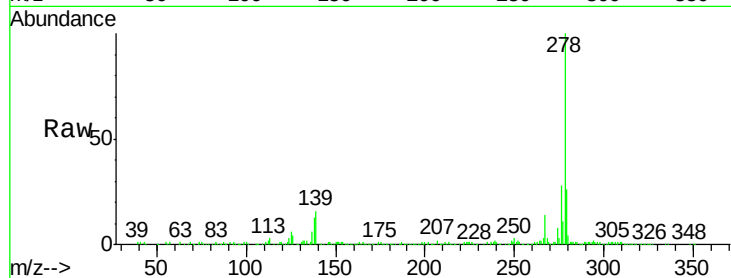
Tot Ion:278 Resp: 448884

Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.6	19.0
279	26.2	18.8	28.2

278 100

139 16.1 12.6 19.0

279 26.2 18.8 28.2

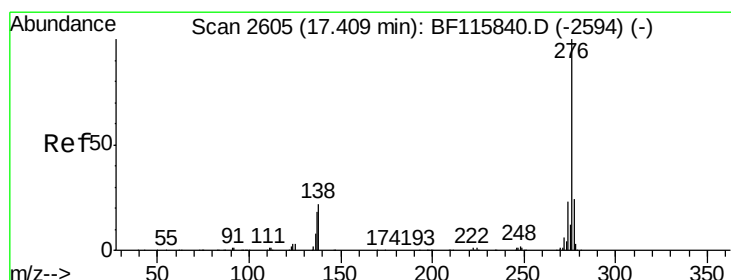
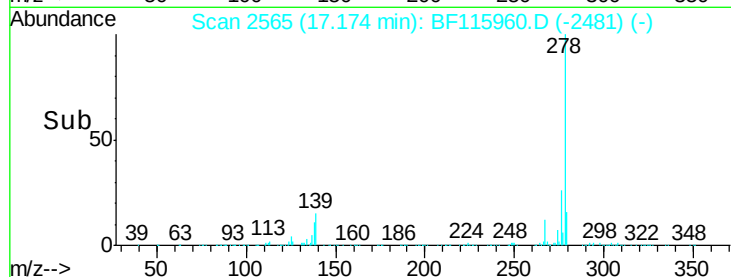
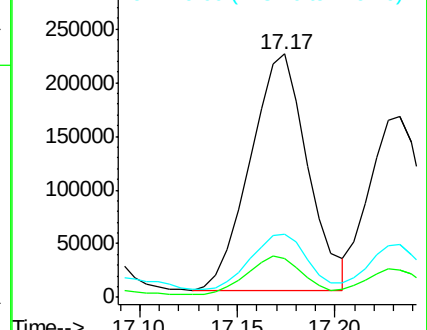


Abundance

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: 79.637 ng

RT: 17.47 min Scan# 2615

Delta R.T. 0.06 min

Lab File: BF115960.D

Acq: 2 Aug 2019 21:23

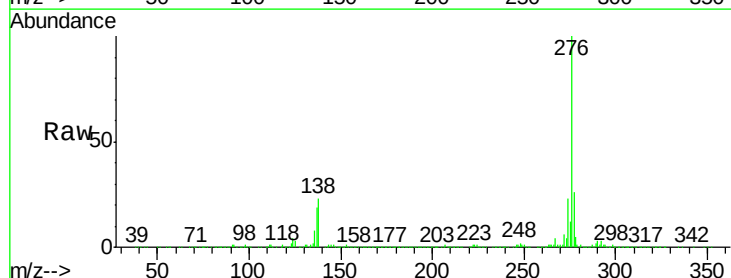
Tgt Ion:276 Resp: 1328642

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.5	29.3
138	23.3	17.8	26.8

276 100

277 26.0 19.5 29.3

138 23.3 17.8 26.8



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

