

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061419\
 Data File : BF115056.D
 Acq On : 14 Jun 2019 22:37
 Operator : HP/JU
 Sample : K3351-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 15 04:54:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	329071	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1244959	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	580157	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	968115	20.00	ng	0.00
76) Chrysene-d12	13.78	240	501033	20.00	ng	0.00
87) Perylene-d12	15.15	264	582027	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	2245791	113.96	ng	0.00
7) Phenol-d6	6.30	99	2794674	117.56	ng	0.00
23) Nitrobenzene-d5	7.22	82	1710706	82.71	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	613303	98.72	ng	0.00
45) 2-Fluorobiphenyl	9.00	172	2341485	68.40	ng	0.00
79) Terphenyl-d14	12.73	244	1975210	74.15	ng	0.00

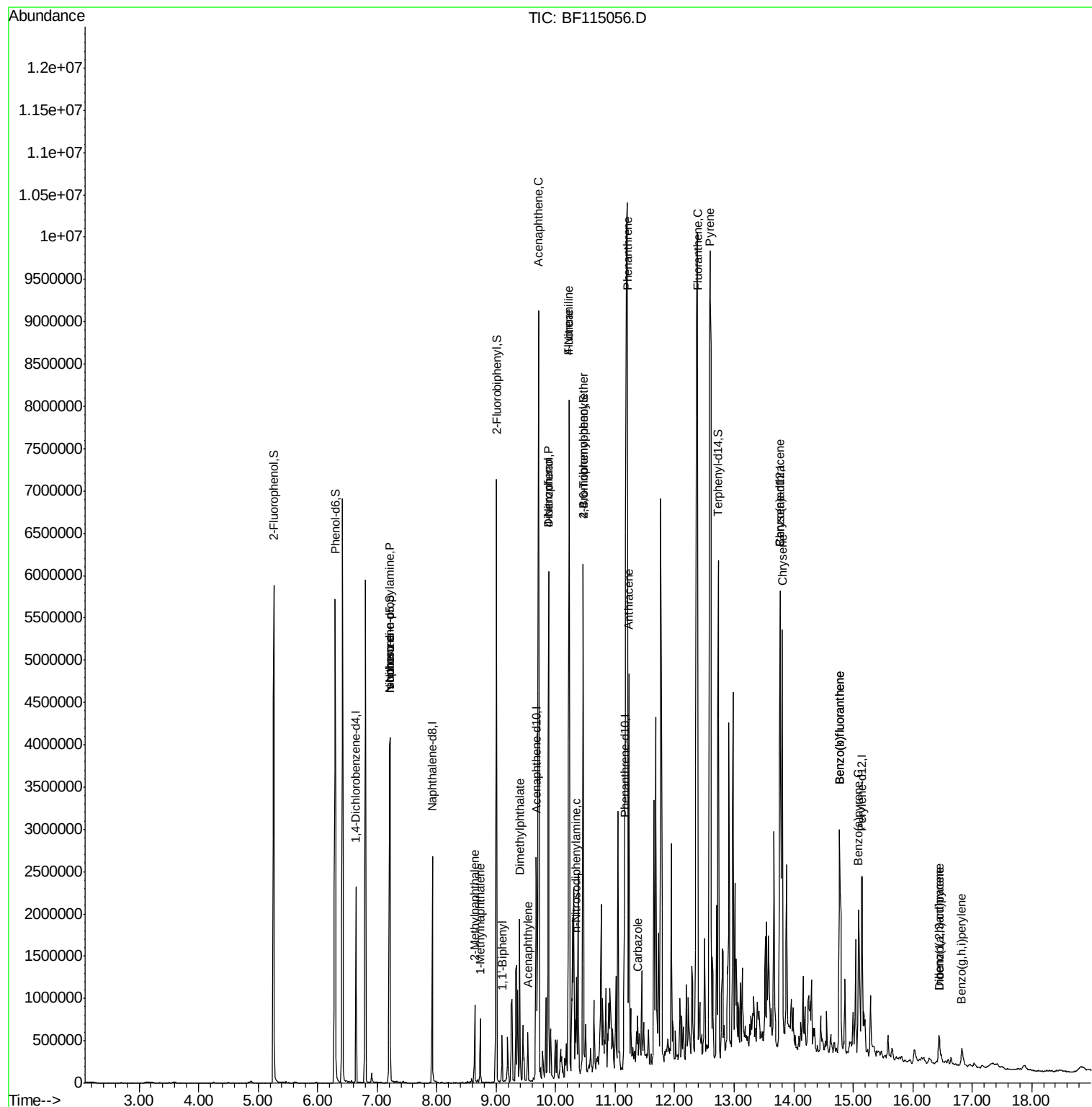
Target Compounds				Qvalue		
9) Benzaldehyde	6.30	77	4529	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.22	70	228771	15.839	ng	75
25) Isophorone	7.22	82	1676600	43.281	ng	62
37) 2-Methylnaphthalene	8.64	142	252287	6.422	ng	98
38) 1-Methylnaphthalene	8.73	142	195927	5.276	ng	98
46) 1,1'-Biphenyl	9.10	154	163926	3.526	ng	98
49) Acenaphthylene	9.53	152	132506	2.292	ng	# 95
50) Dimethylphthalate	9.40	163	847417	19.423	ng	99
52) Acenaphthene	9.72	154	2653627	80.242	ng	98
55) Dibenzofuran	9.88	168	2454581	49.248	ng	97
56) 4-Nitrophenol	9.88	139	995416	119.041	ng	# 14
58) Fluorene	10.23	166	2827106	93.344	ng	98
62) 4-Nitroaniline	10.23	138	37702	3.092	ng	# 27
66) n-Nitrosodiphenylamine	10.35	169	65986	2.280	ng	# 1
67) 4-Bromophenyl-phenylether	10.46	248	40340	3.881	ng	# 1
71) Phenanthrene	11.20	178	7869118	157.429	ng	95
72) Anthracene	11.23	178	1537539	30.491	ng	100
73) Carbazole	11.38	167	128309	2.915	ng	98
75) Fluoranthene	12.39	202	7925632	155.064	ng	95
78) Pyrene	12.60	202	6140158	134.525	ng	94
81) Benzo(a)anthracene	13.77	228	2385465	63.623	ng	97
83) Chrysene	13.81	228	1979665	53.097	ng	97
86) Indeno(1,2,3-cd)pyrene	16.44	276	217526	6.642	ng	93
88) Benzo(b)fluoranthene	14.77	252	2024428	52.323	ng	99
89) Benzo(k)fluoranthene	14.77	252	2024428	59.611	ng	# 98
90) Benzo(a)pyrene	15.09	252	791787	23.716	ng	100
91) Dibenzo(a,h)anthracene	16.45	278	63872	2.221	ng	92
92) Benzo(g,h,i)perylene	16.83	276	149735	5.106	ng	96

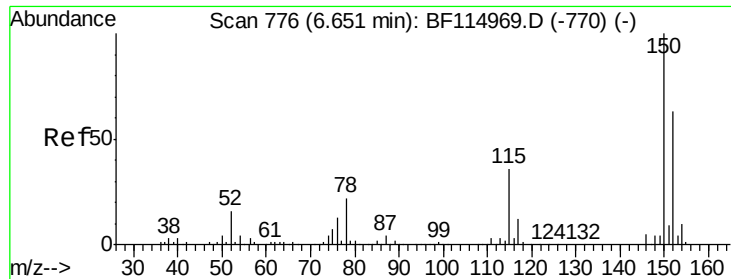
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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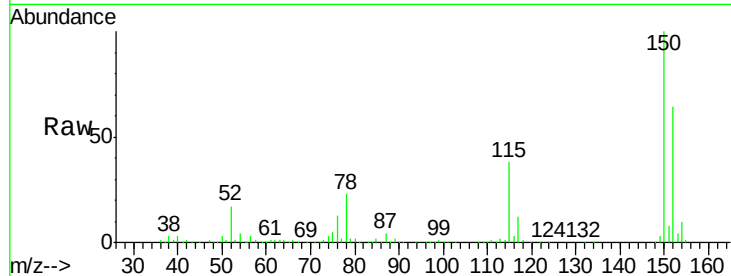


#1

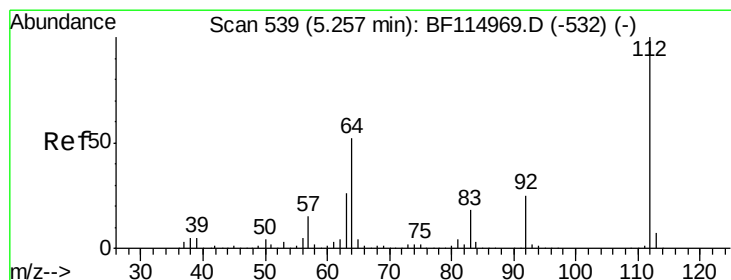
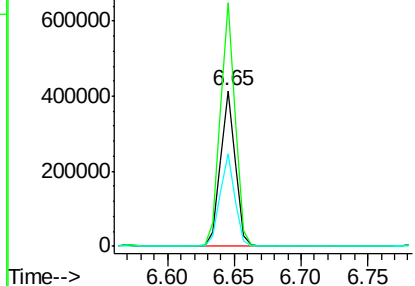
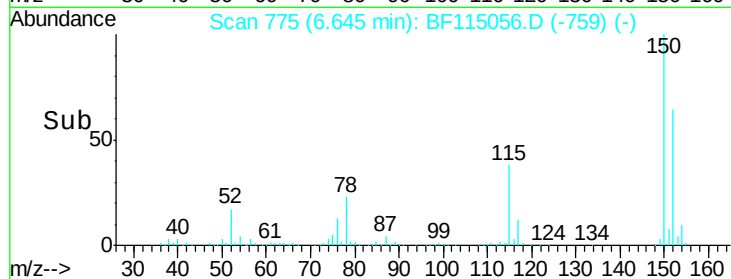
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 329071
Ion Ratio Lower Upper
152 100
150 156.5 127.4 191.0
115 59.2 46.0 69.0



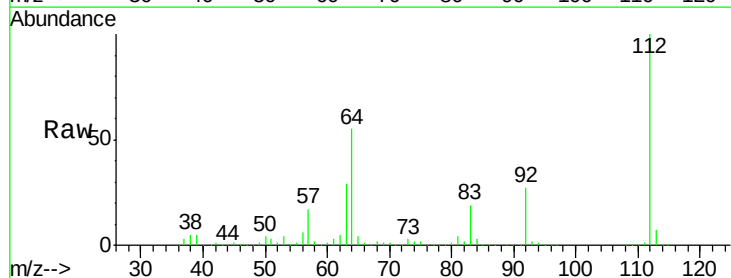
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



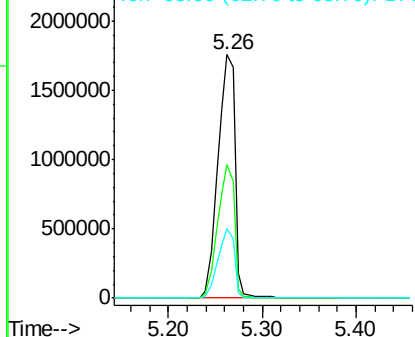
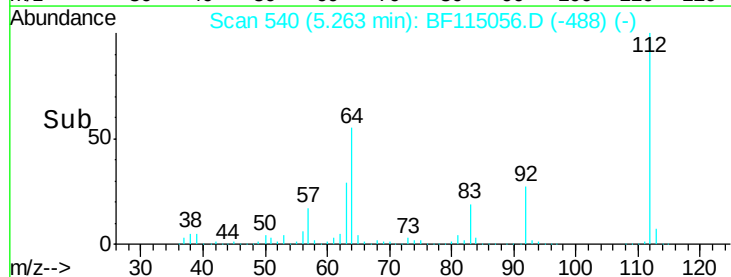
#5

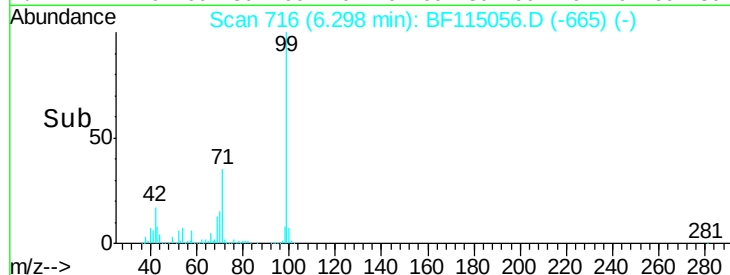
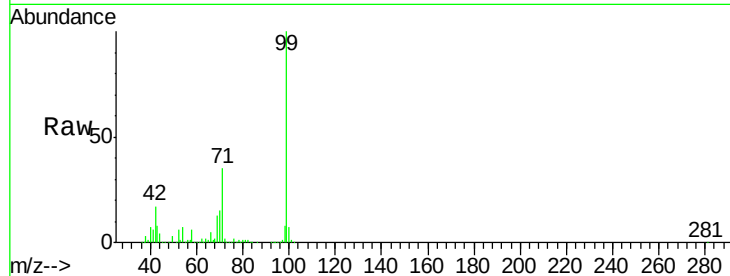
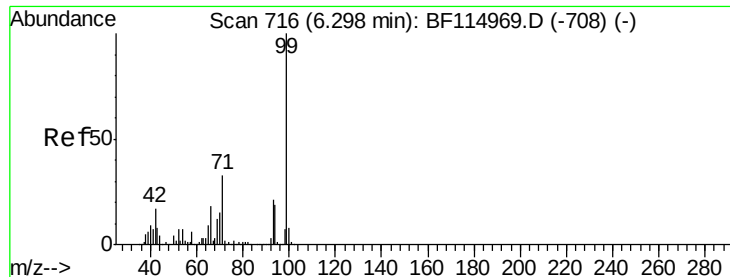
2-Fluorophenol
Concen: 113.957 ng
RT: 5.26 min Scan# 540
Delta R.T. 0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:112 Resp: 2245791
Ion Ratio Lower Upper
112 100
64 55.1 41.6 62.4
63 28.7 20.9 31.3



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: 117.558 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Instrument :

BNA_F

ClientSampled :

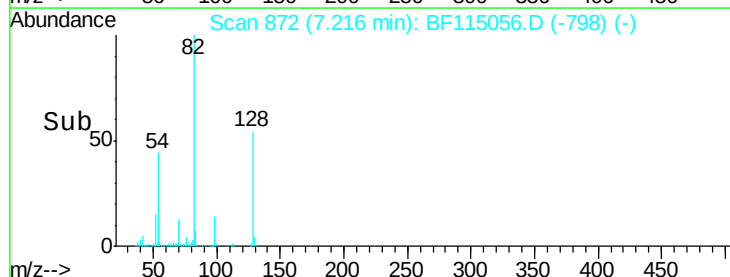
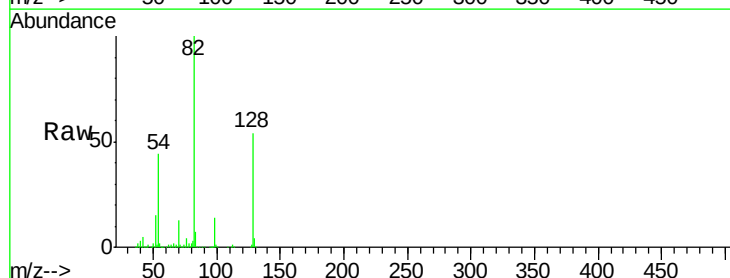
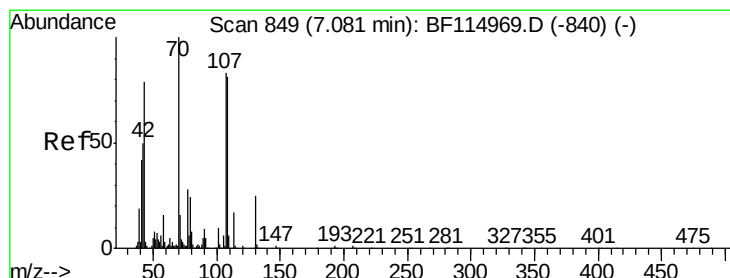
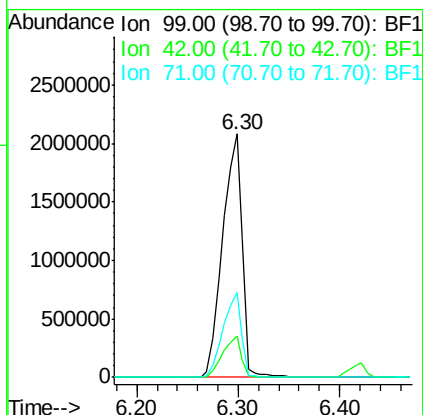
Tot Ion: 99 Resp: 2794674

Ion Ratio Lower Upper

99 100

42 16.8 13.4 20.2

71 34.7 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.839 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.14 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Tgt Ion: 70 Resp: 228771

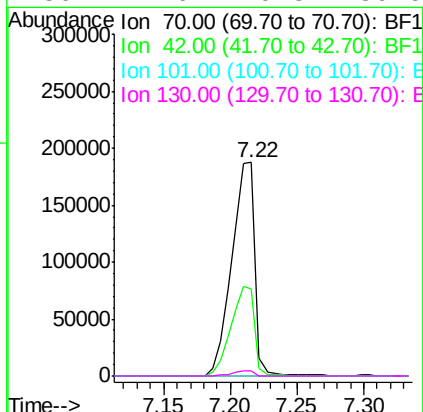
Ion Ratio Lower Upper

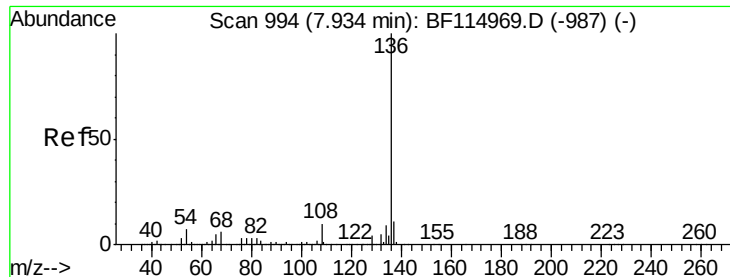
70 100

42 40.7 40.3 60.5

101 0.0 8.2 12.4#

130 2.6 20.3 30.5#

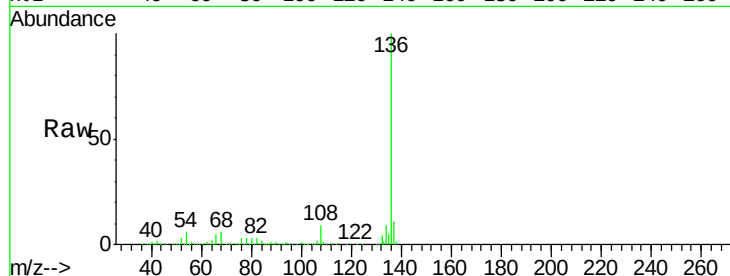




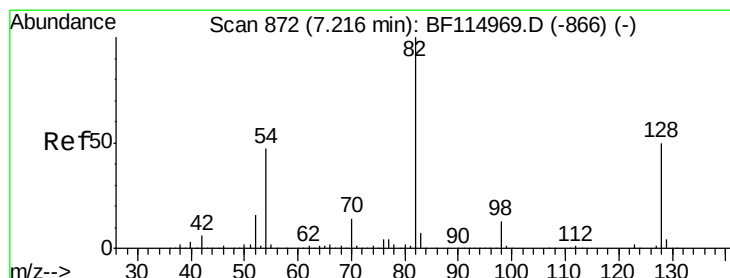
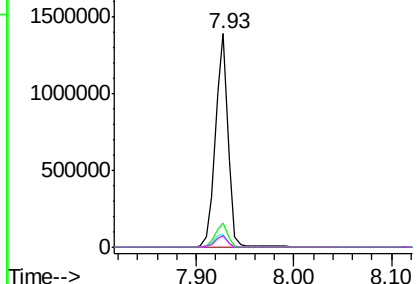
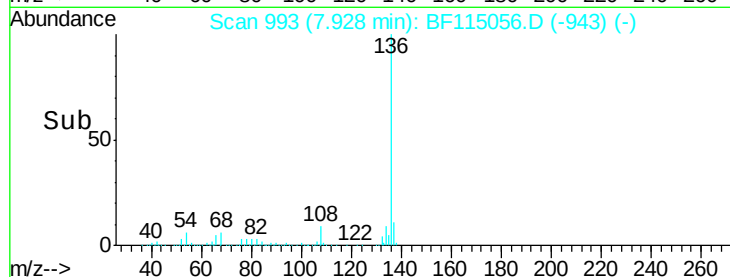
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	1244959
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.3	5.4	8.0
68	5.6	4.6	7.0

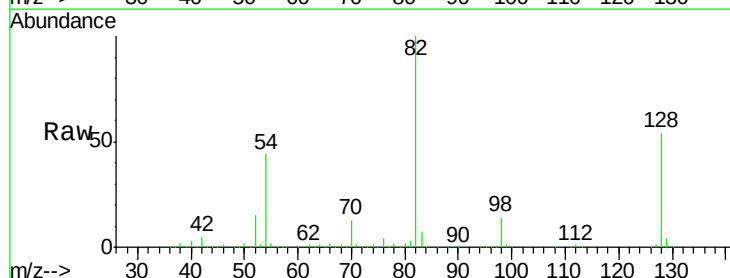


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

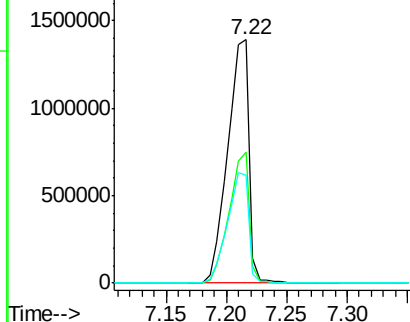
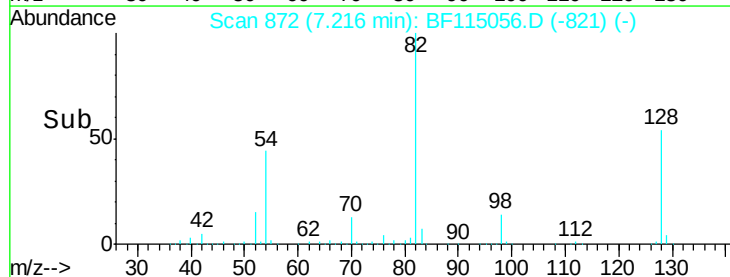


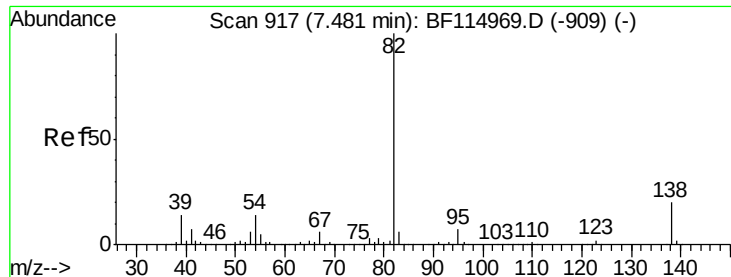
#23
Nitrobenzene-d5
Concen: 82.710 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:	82	Resp:	1710706
Ion	Ratio	Lower	Upper
82	100		
128	54.0	39.9	59.9
54	44.3	37.3	55.9



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: 43.281 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.26 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Instrument :

BNA_F

ClientSampleId :

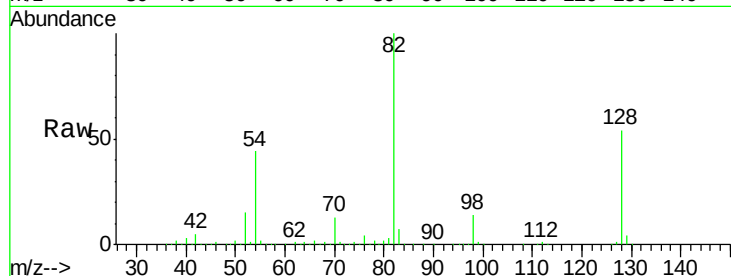
Tot Ion: 82 Resp: 1676600

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

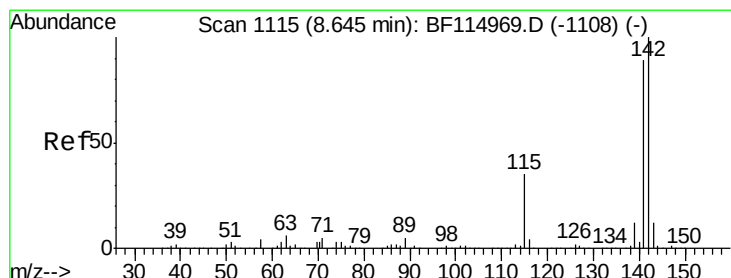
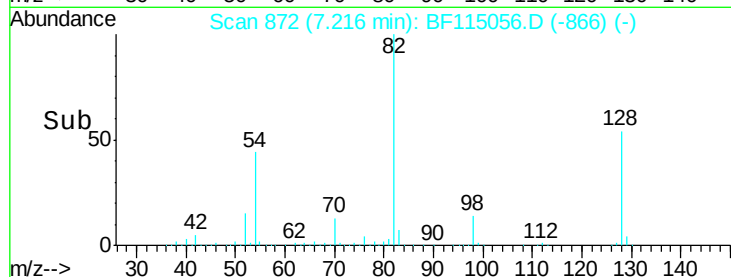
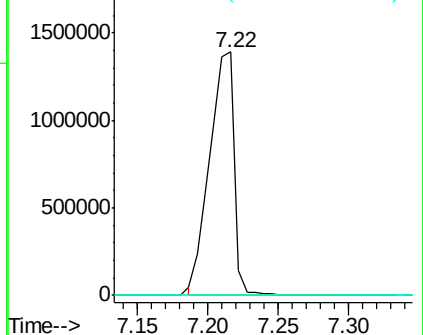
138 0.0 16.1 24.1#



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



#37

2-Methylnaphthalene

Concen: 6.422 ng

RT: 8.64 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

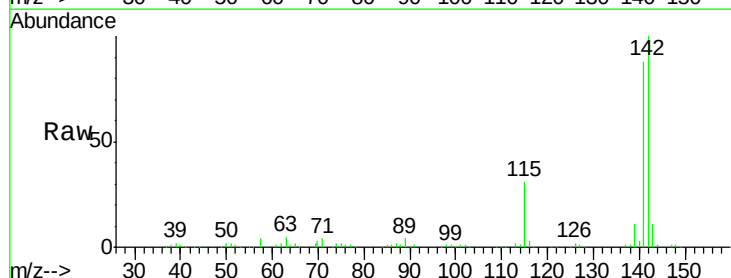
Tgt Ion: 142 Resp: 252287

Ion Ratio Lower Upper

142 100

141 88.2 71.0 106.6

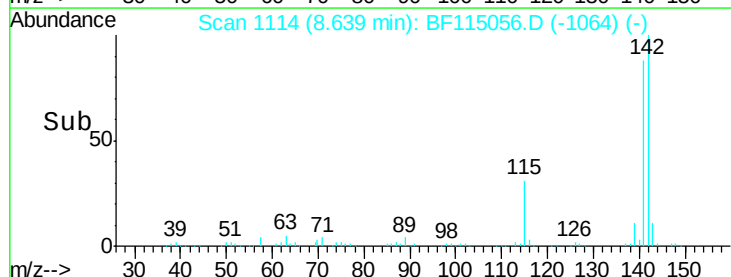
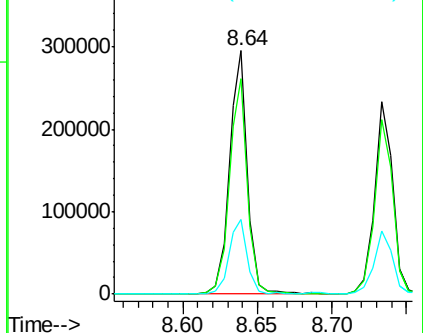
115 30.8 27.9 41.9

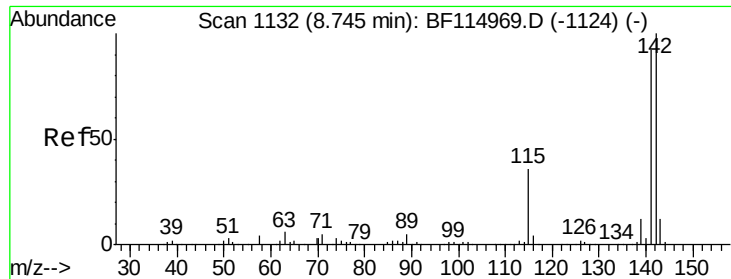


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

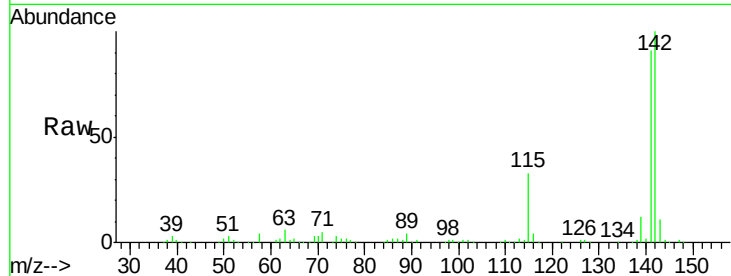




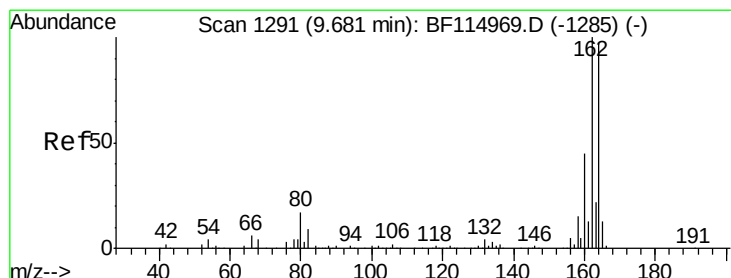
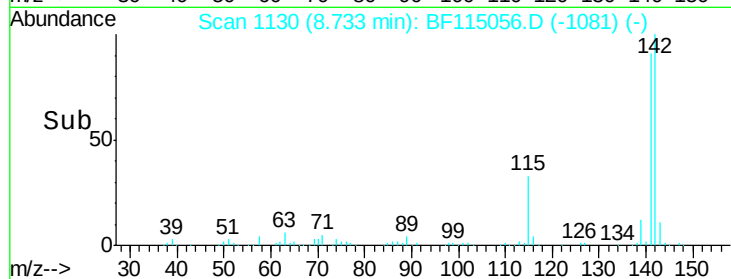
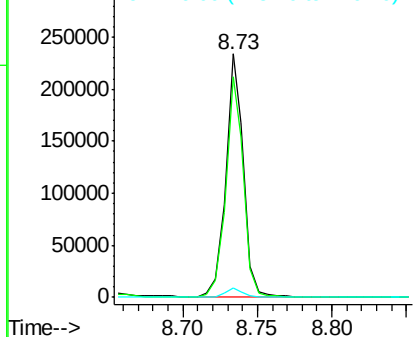
#38
1-Methylnaphthalene
Concen: 5.276 ng
RT: 8.73 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.8	110.8
116	3.7	2.9	4.3

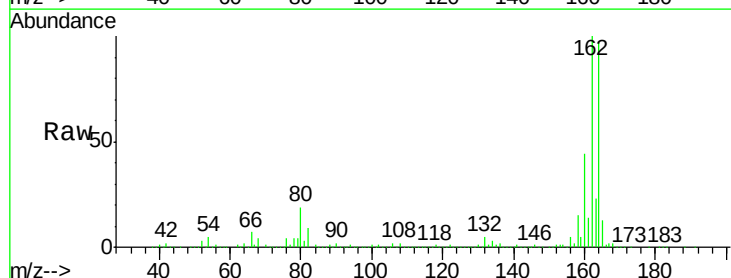


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

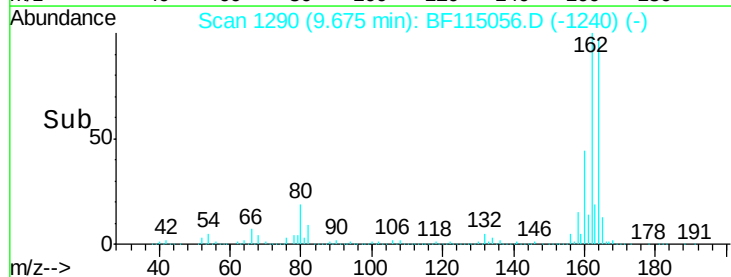
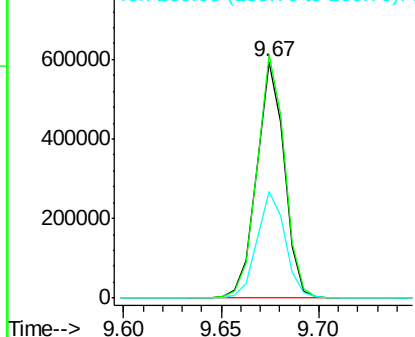


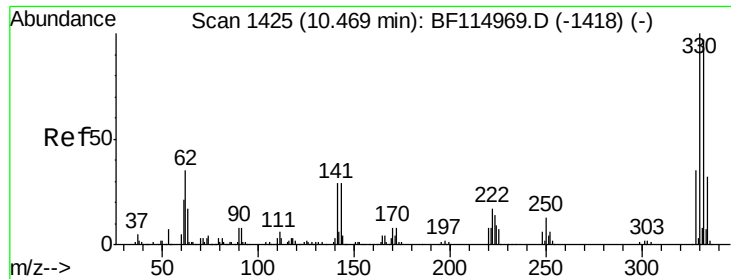
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.6	124.0
160	45.4	36.9	55.3



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: 98.718 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Instrument :

BNA_F

ClientSampleId :

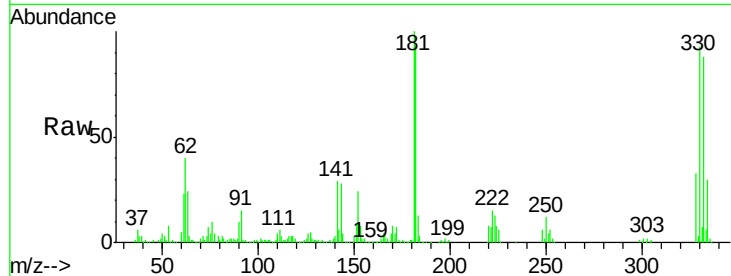
Tot Ion:330 Resp: 613303

Ion Ratio Lower Upper

330 100

332 97.4 77.6 116.4

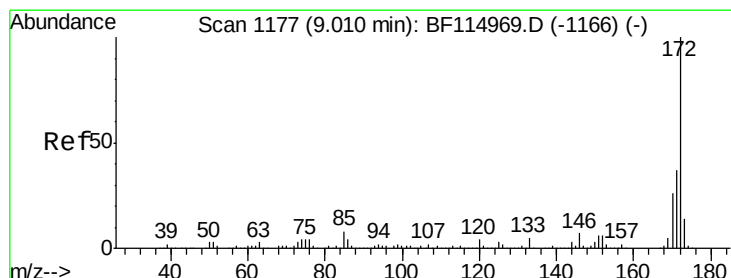
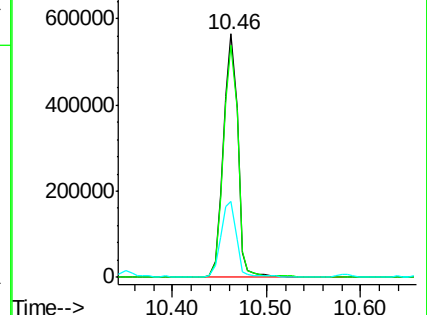
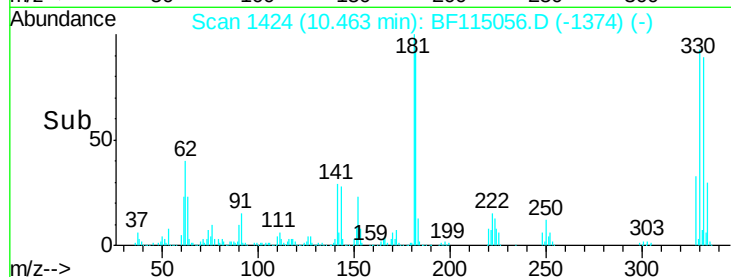
141 33.7 27.2 40.8



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: 68.403 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

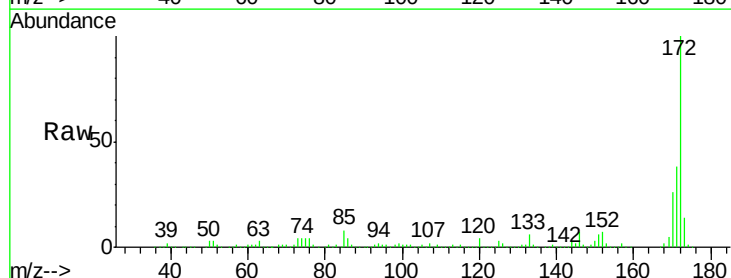
Tgt Ion:172 Resp: 2341485

Ion Ratio Lower Upper

172 100

171 37.5 29.8 44.6

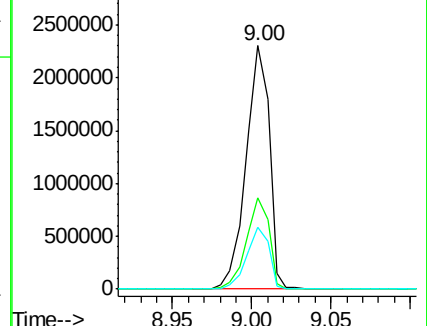
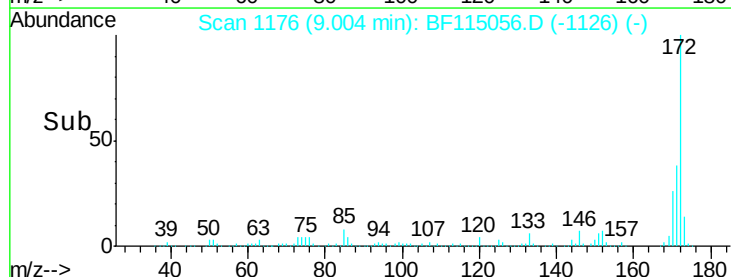
170 25.6 20.6 31.0

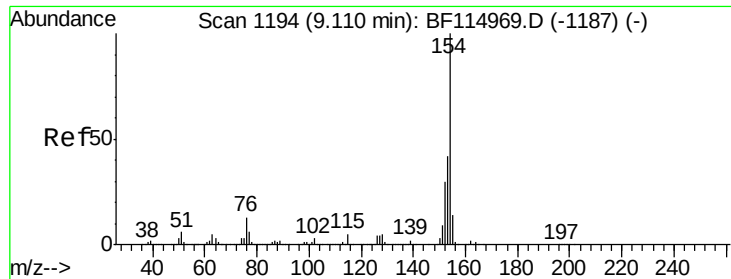


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

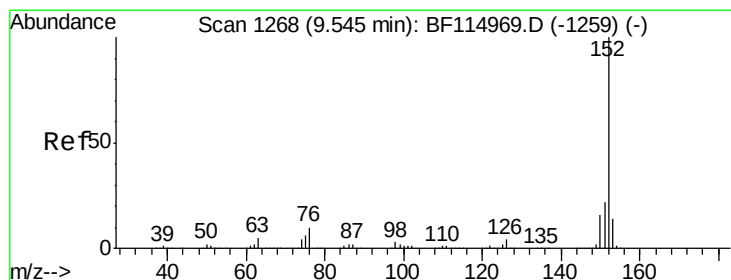
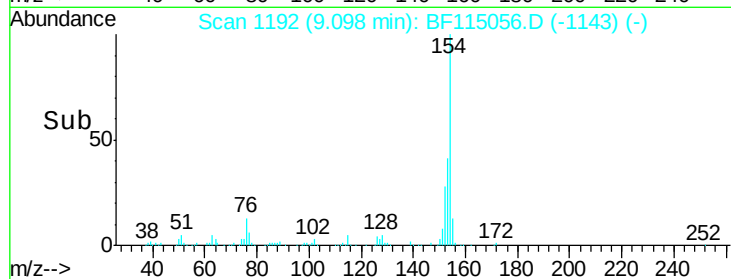
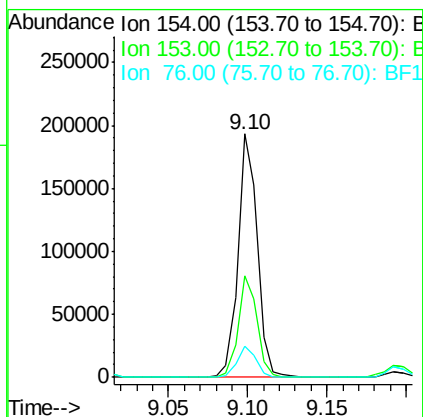
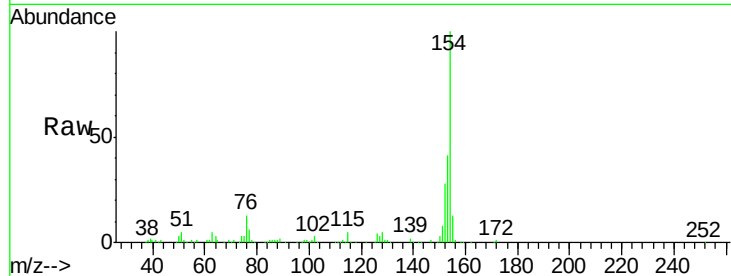




#46
 1,1'-Biphenyl
 Concen: 3.526 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF115056.D
 Acq: 14 Jun 2019 22:37

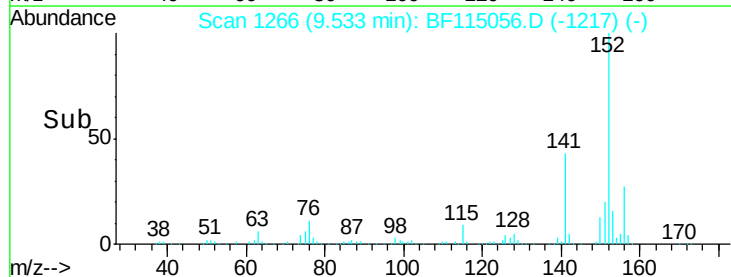
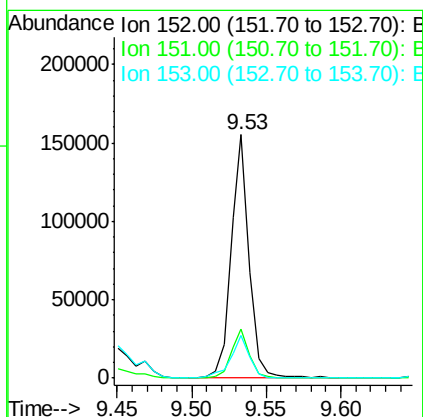
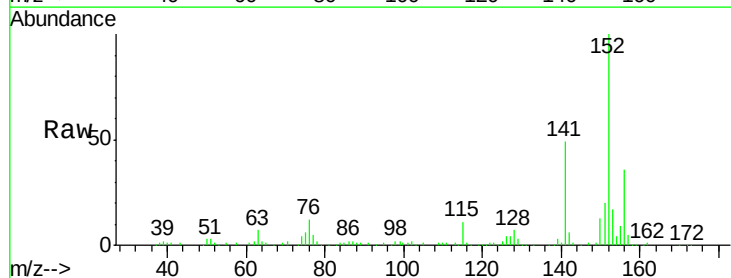
Instrument :
 BNA_F
 ClientSampleId :

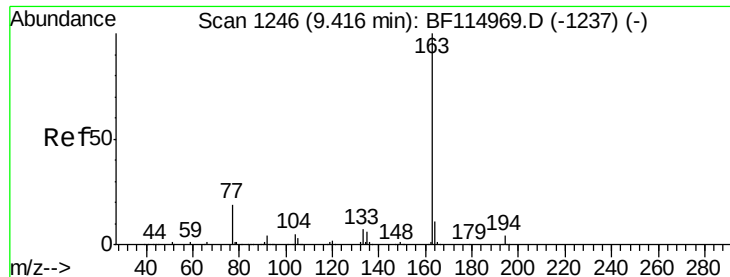
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.5	22.4	62.4
76	12.6	0.0	33.3



#49
 Acenaphthylene
 Concen: 2.292 ng
 RT: 9.53 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: BF115056.D
 Acq: 14 Jun 2019 22:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	17.5	26.3
153	17.3	11.2	16.8#





#50

Dimethylphthalate

Concen: 19.423 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.01 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Instrument :

BNA_F

ClientSampled :

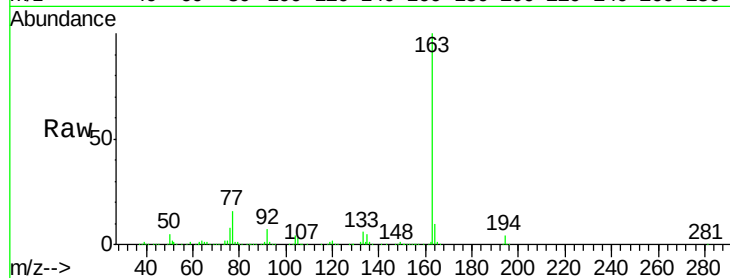
Tot Ion:163 Resp: 847417

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

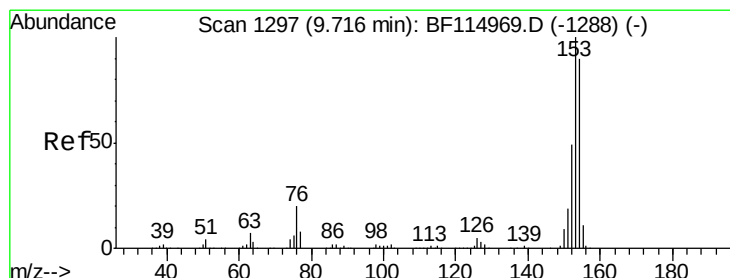
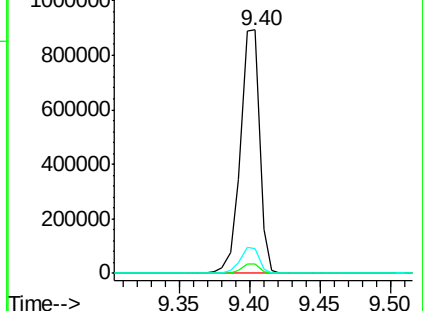
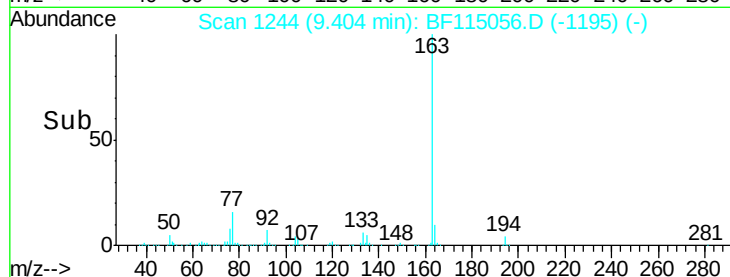
164 10.0 8.6 12.8



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: 80.242 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

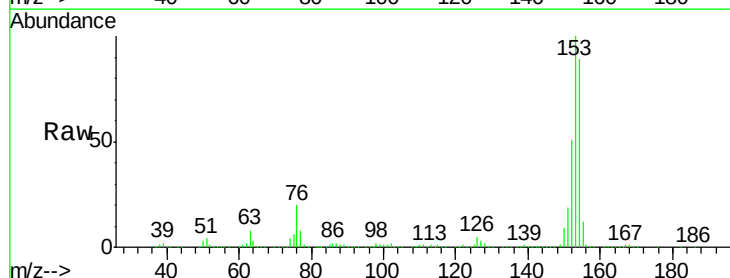
Tgt Ion:154 Resp: 2653627

Ion Ratio Lower Upper

154 100

153 112.4 88.5 132.7

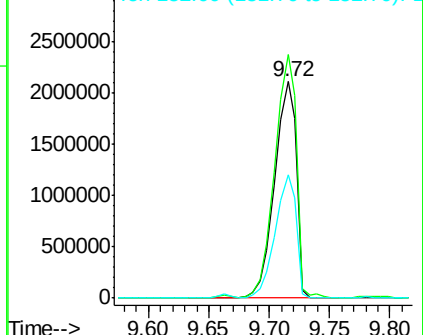
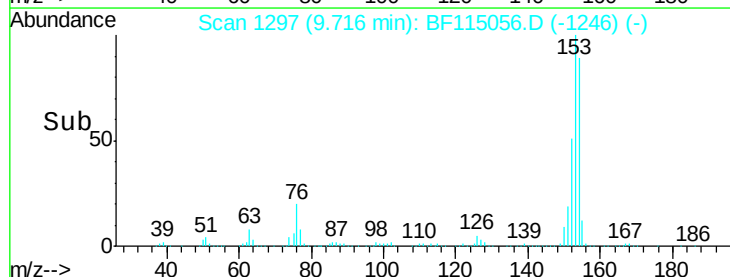
152 56.9 43.6 65.4

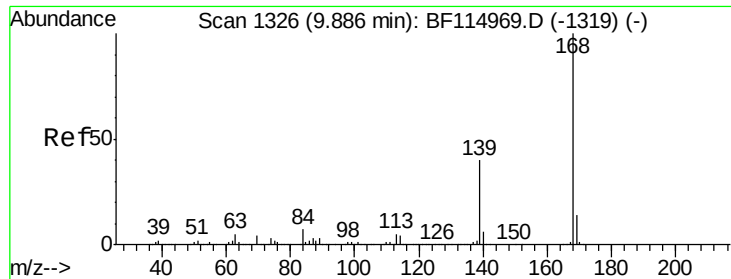


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

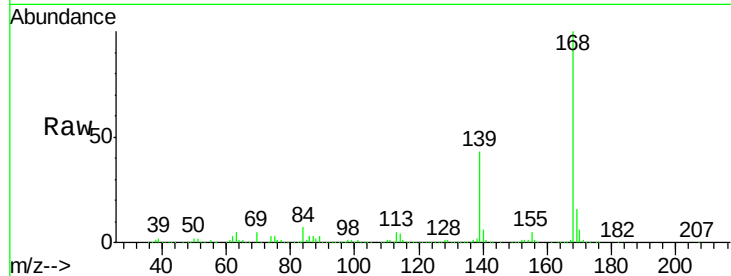




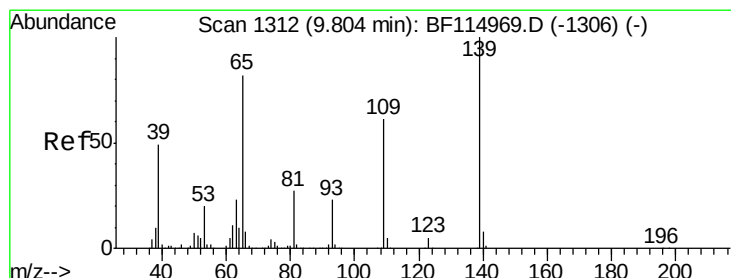
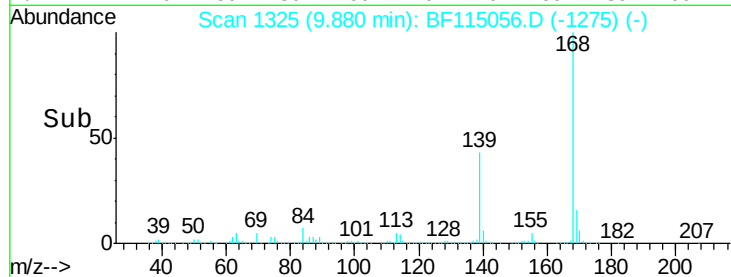
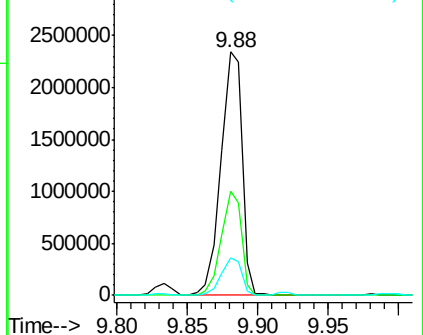
#55
Dibenzofuran
Concen: 49.248 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 2454581
Ion Ratio Lower Upper
168 100
139 42.9 32.5 48.7
169 15.6 11.5 17.3

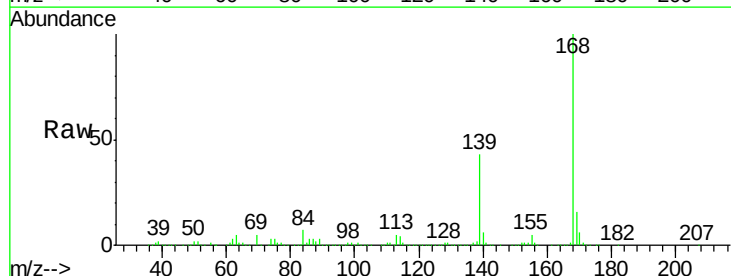


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

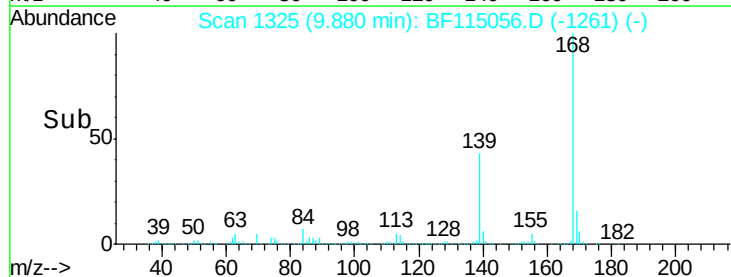
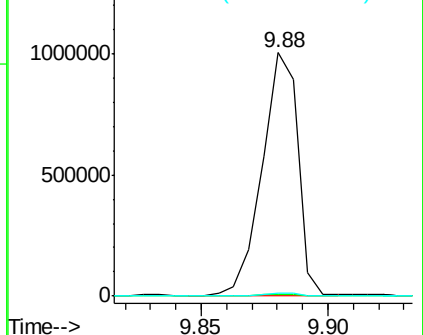


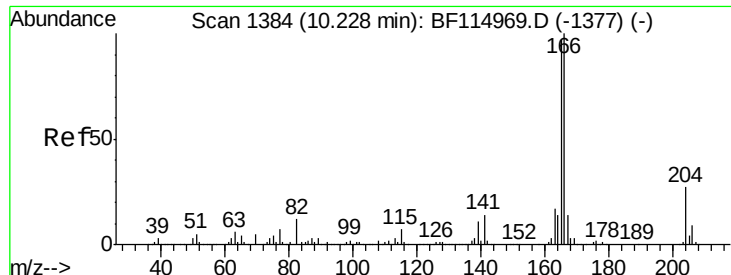
#56
4-Nitrophenol
Concen: 119.041 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.08 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:139 Resp: 995416
Ion Ratio Lower Upper
139 100
109 0.8 41.4 81.4#
65 1.4 62.7 102.7#



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





#58

Fluorene

Concen: 93.344 ng

RT: 10.23 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Instrument :

BNA_F

ClientSampleId :

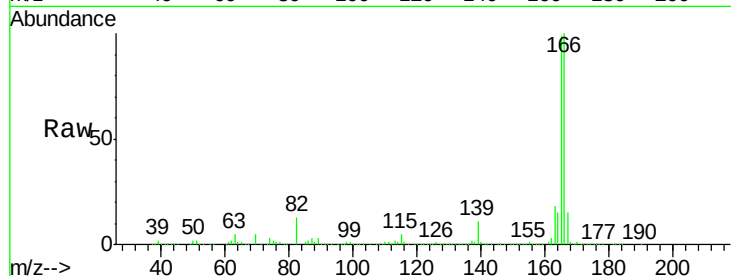
Tot Ion:166 Resp: 2827106

Ion Ratio Lower Upper

166 100

165 98.7 77.6 116.4

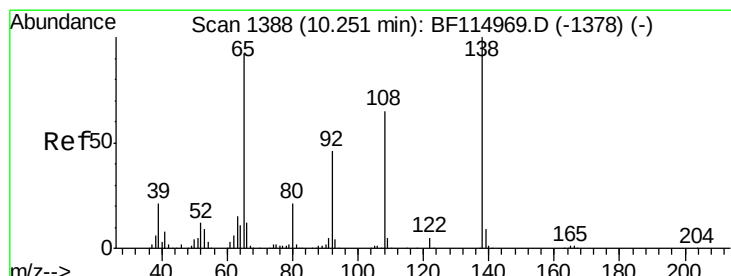
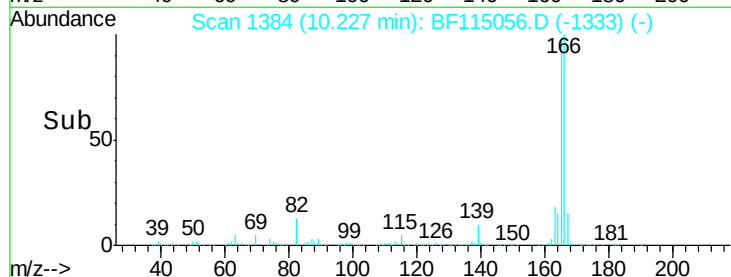
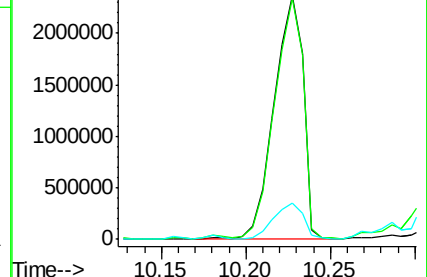
167 14.8 11.0 16.4



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: 3.092 ng

RT: 10.23 min Scan# 1384

Delta R.T. -0.02 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

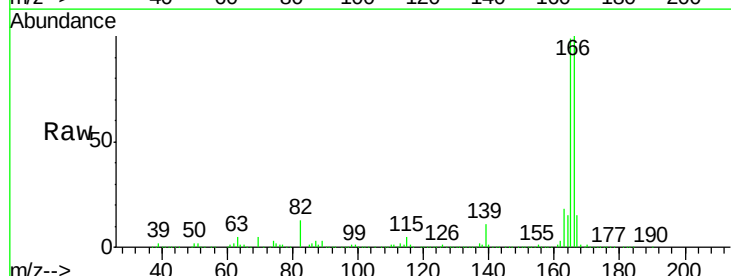
Tgt Ion:138 Resp: 37702

Ion Ratio Lower Upper

138 100

92 2.0 25.7 65.7#

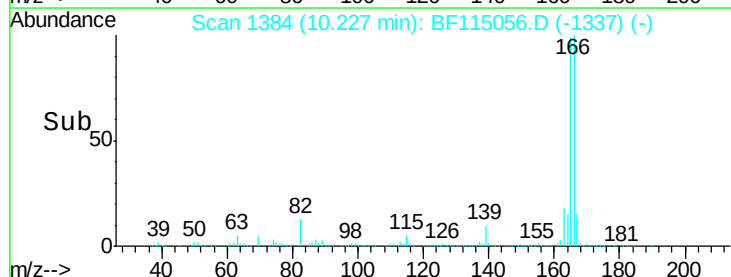
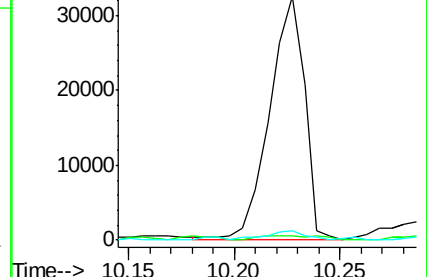
108 3.8 44.6 84.6#

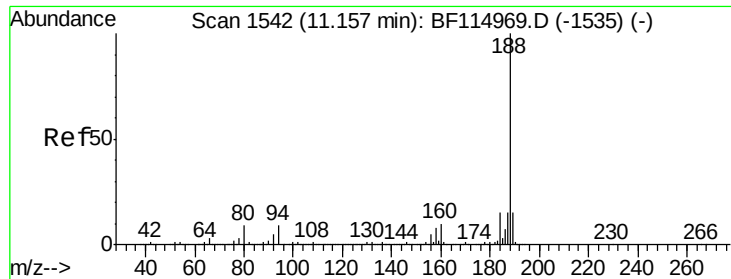


Abundance Ion 138.00 (137.70 to 138.70): E

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: 11.16 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BF115056.D

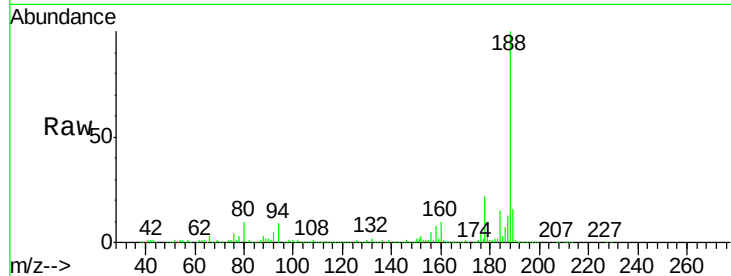
Acq: 14 Jun 2019 22:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:188	Resp:	968115
Ion	Ratio	Lower Upper
188	100	
94	9.3	7.2 10.8
80	9.8	7.4 11.2

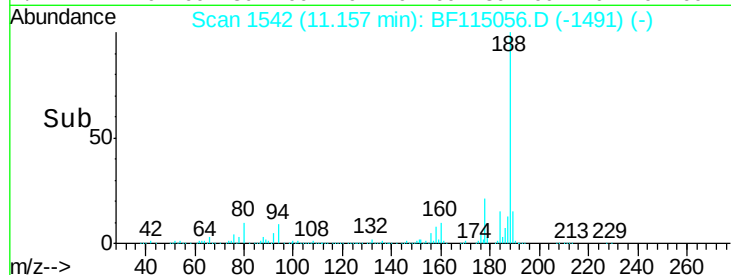


Abundance Ion 188.00 (187.70 to 188.70): E

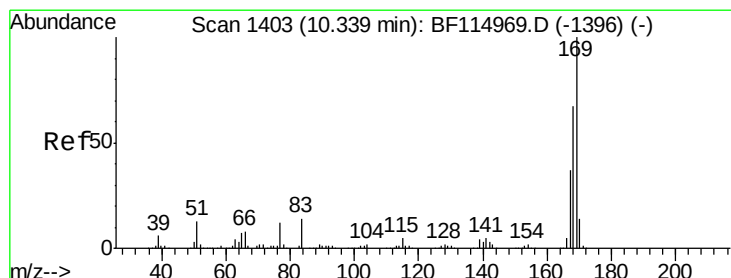
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#66

n-Nitrosodiphenylamine

Concen: 2.280 ng

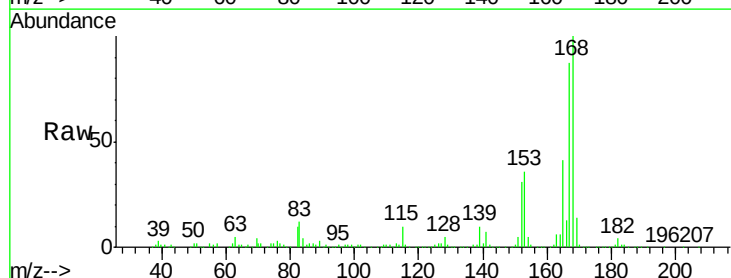
RT: 10.35 min Scan# 1405

Delta R.T. 0.01 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Tgt Ion:169	Resp:	65986
Ion	Ratio	Lower Upper
169	100	
168	695.2	53.6 80.4#
167	602.2	29.6 44.4#

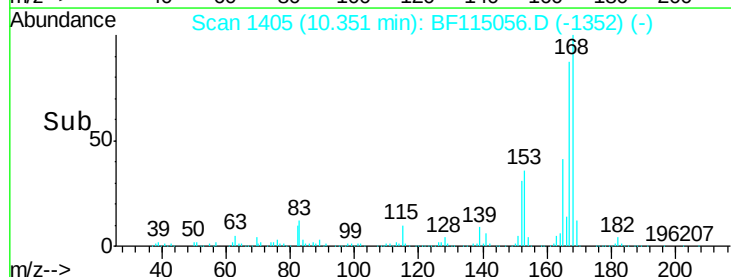


Abundance Ion 169.00 (168.70 to 169.70): E

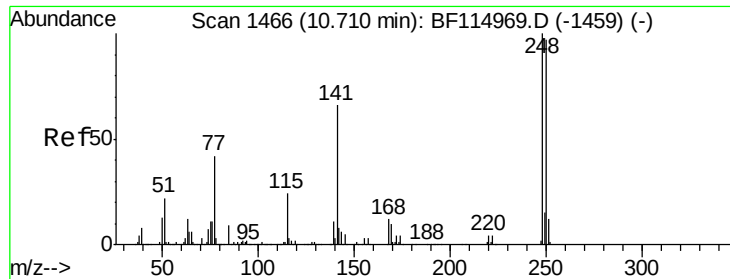
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



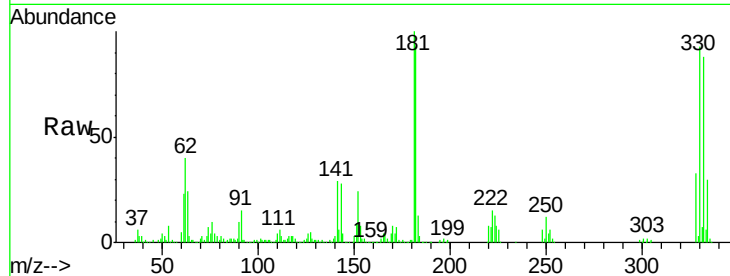
Time-->



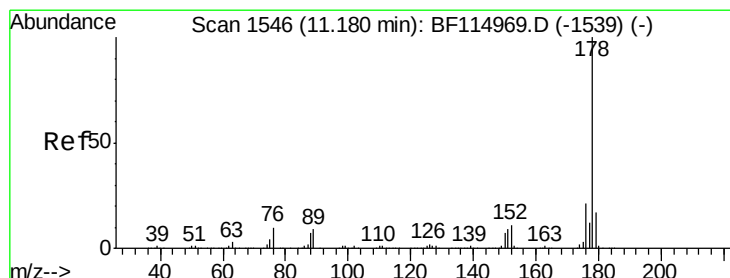
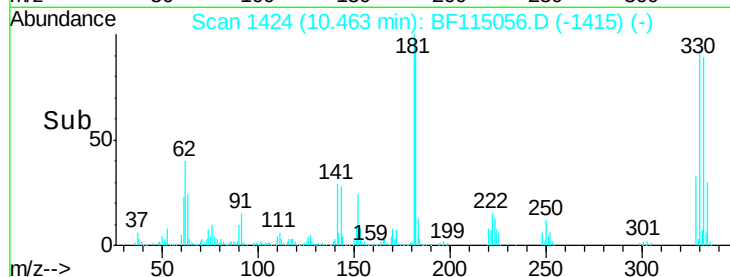
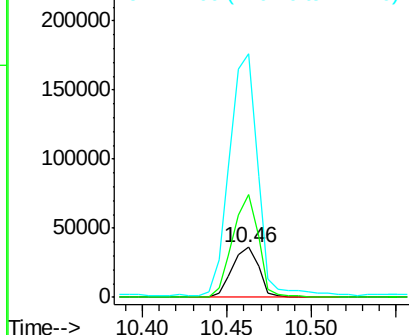
#67
4-Bromophenyl-phenylether
Concen: 3.881 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.25 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 40340
Ion Ratio Lower Upper
248 100
250 206.2 77.8 116.8#
141 486.4 53.1 79.7#

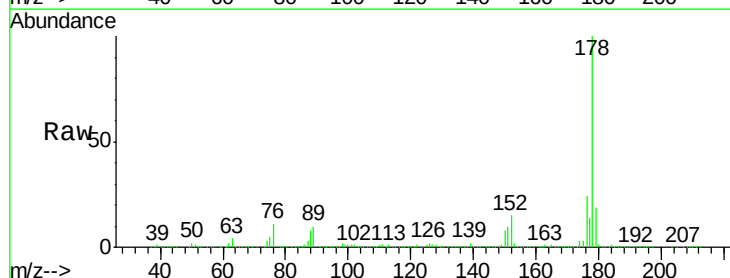


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

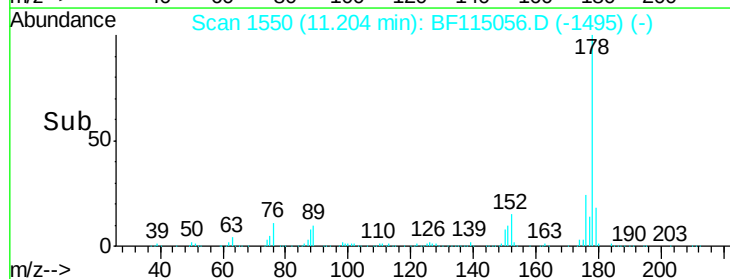
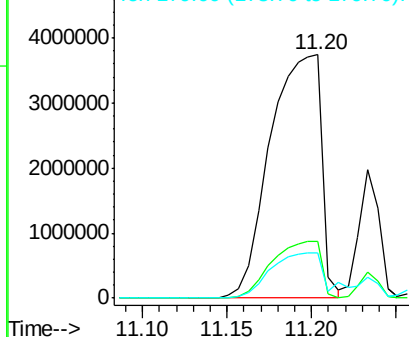


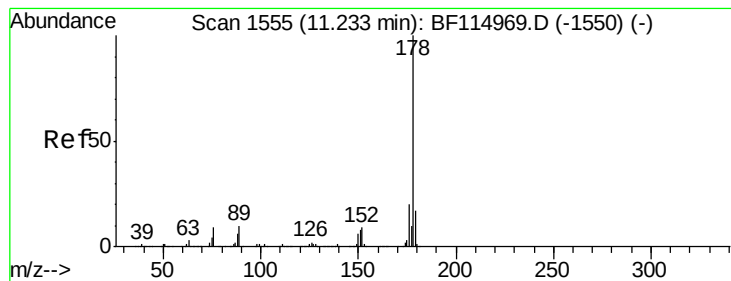
#71
Phenanthrene
Concen: 157.429 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.02 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:178 Resp: 7869118
Ion Ratio Lower Upper
178 100
176 23.5 16.9 25.3
179 18.6 13.4 20.0



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: 30.491 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.00 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Instrument :

BNA_F

ClientSampleId :

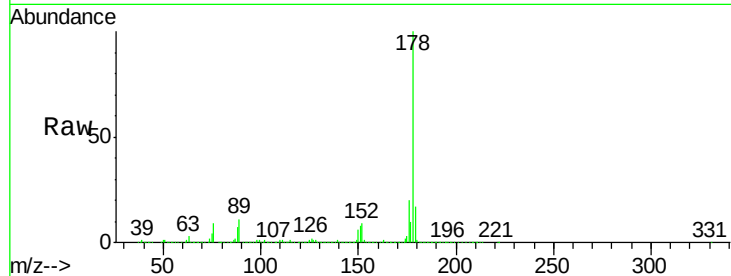
Tot Ion:178 Resp: 1537539

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	16.8	13.2	19.8

178 100

176 20.2 16.2 24.4

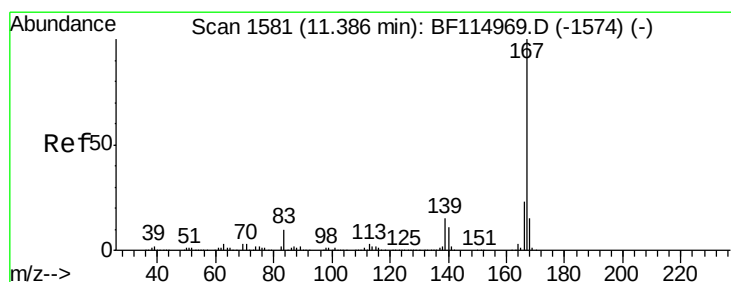
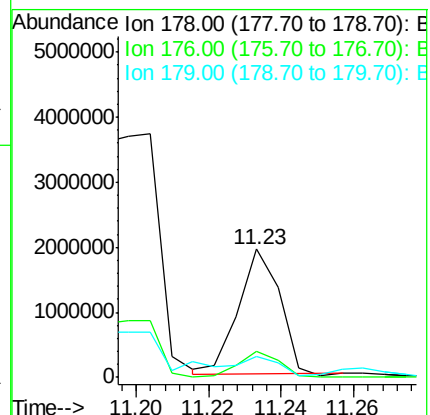
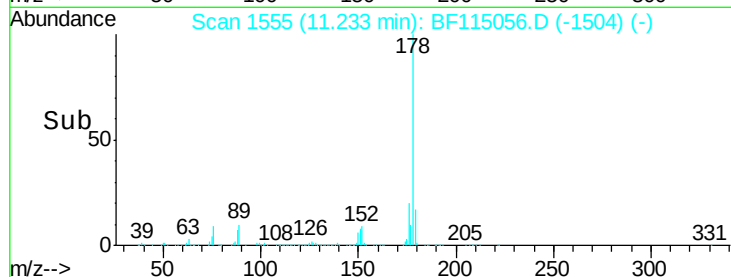
179 16.8 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.915 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

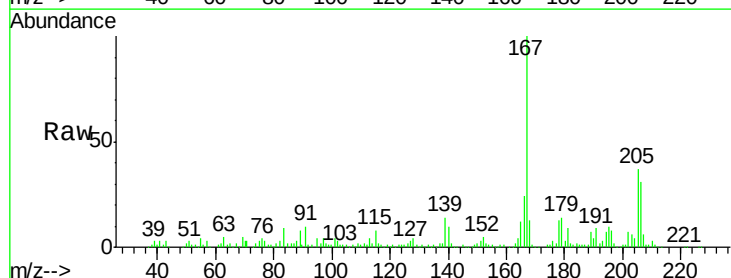
Tgt Ion:167 Resp: 128309

Ion	Ratio	Lower	Upper
167	100		
166	24.2	18.5	27.7
139	14.1	12.0	18.0

167 100

166 24.2 18.5 27.7

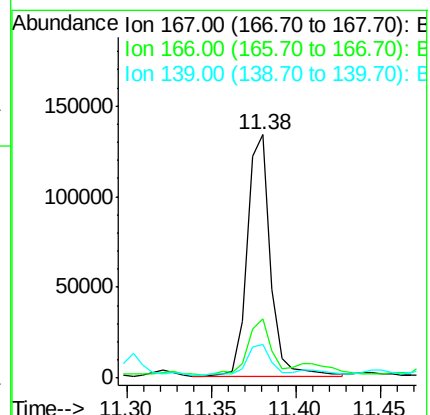
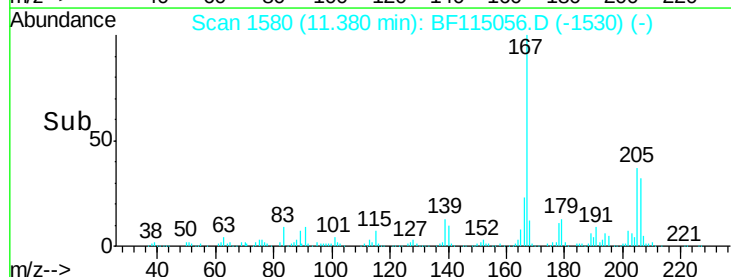
139 14.1 12.0 18.0

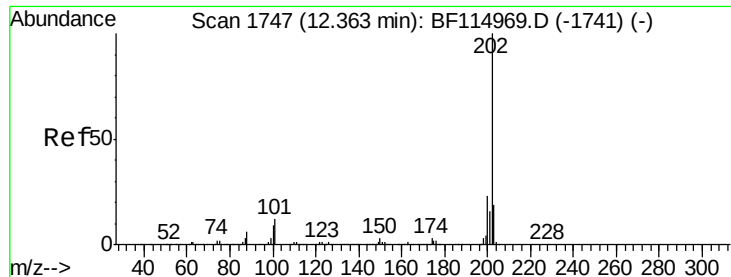


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 155.064 ng

RT: 12.39 min Scan# 1751

Delta R.T. 0.02 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Instrument :

BNA_F

ClientSampleId :

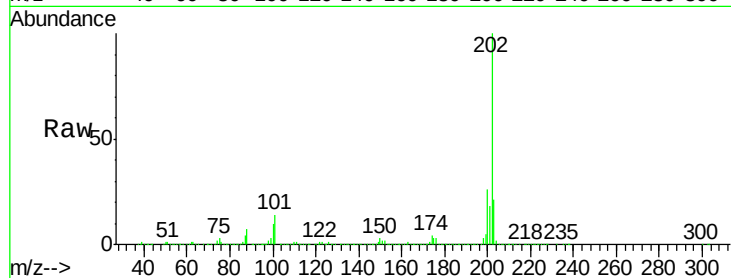
Tot Ion:202 Resp: 7925632

Ion Ratio Lower Upper

202 100

101 14.3 0.0 32.4

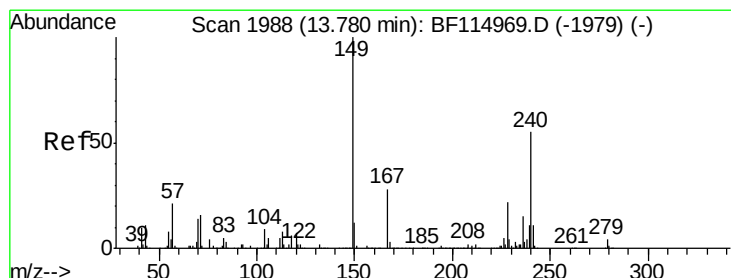
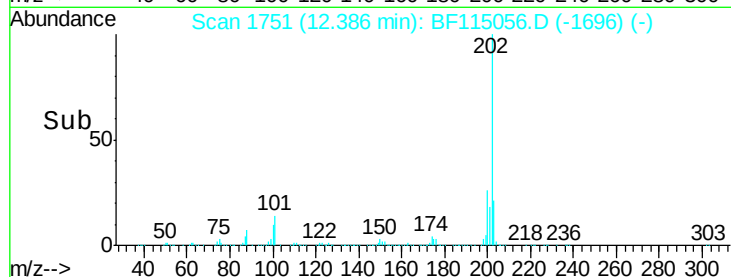
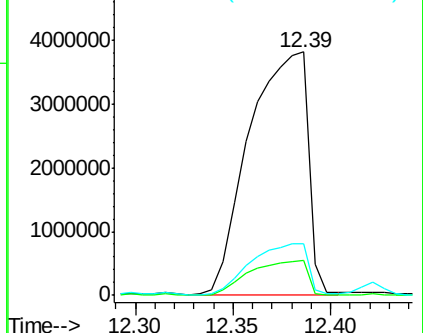
203 21.1 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

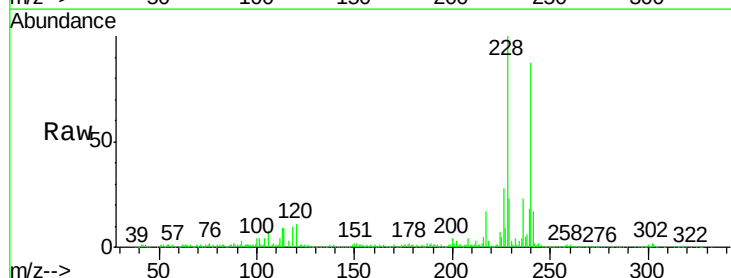
Tgt Ion:240 Resp: 501033

Ion Ratio Lower Upper

240 100

120 12.9 10.0 15.0

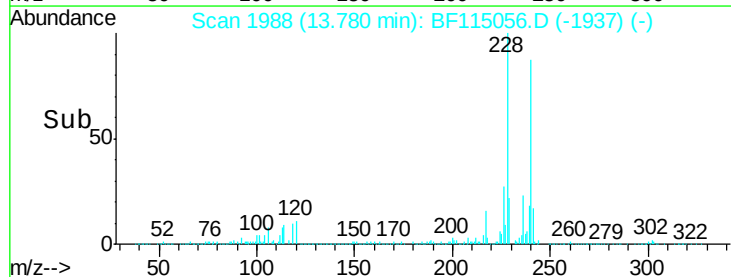
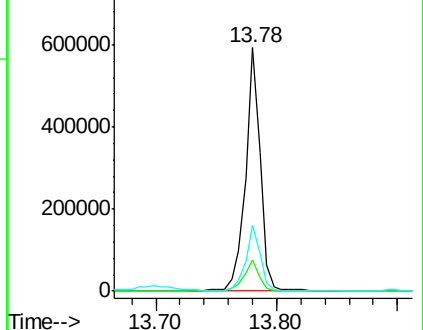
236 26.9 21.6 32.4

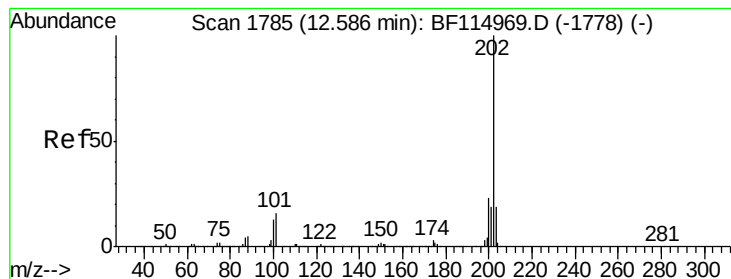


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 134.525 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.02 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Instrument :

BNA_F

ClientSampleId :

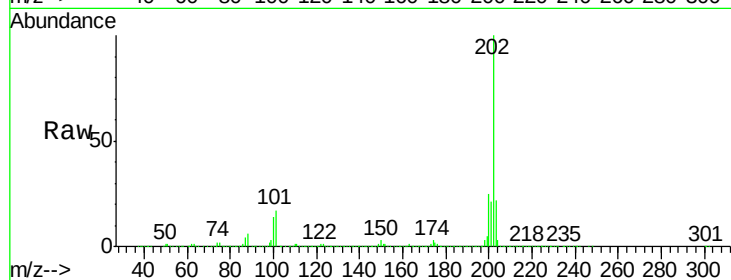
Tot Ion:202 Resp: 6140158

Ion Ratio Lower Upper

202 100

200 25.1 18.4 27.6

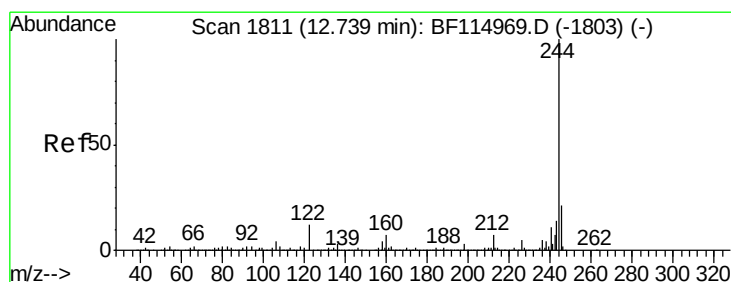
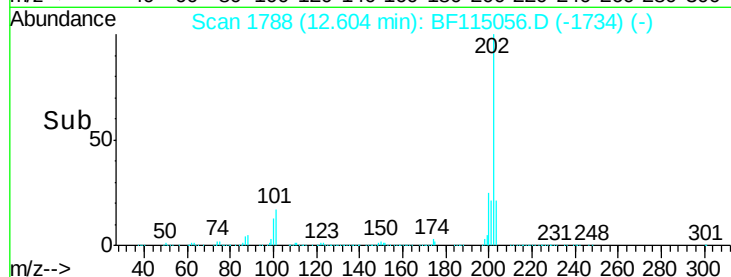
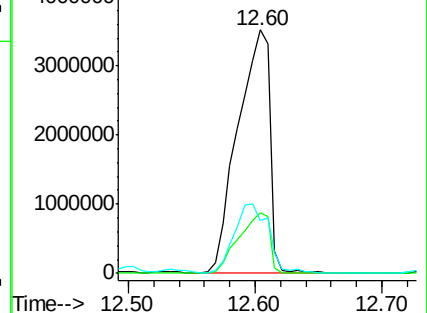
203 21.7 14.9 22.3



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: 74.149 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

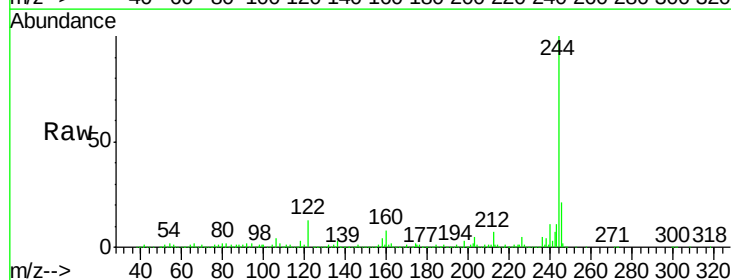
Tgt Ion:244 Resp: 1975210

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

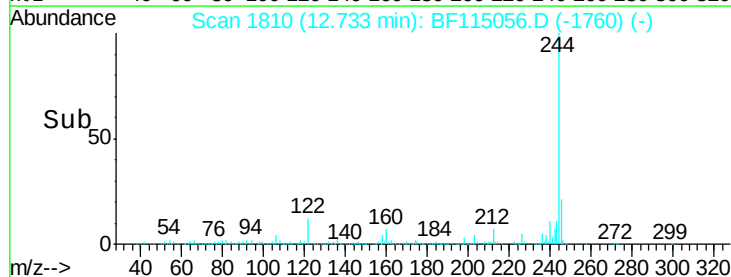
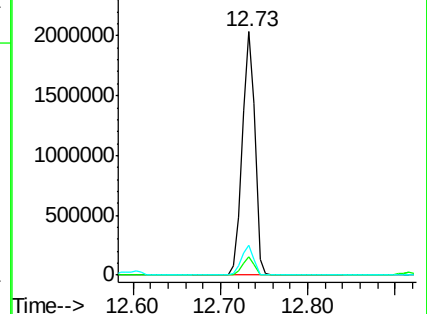
122 12.5 9.4 14.0

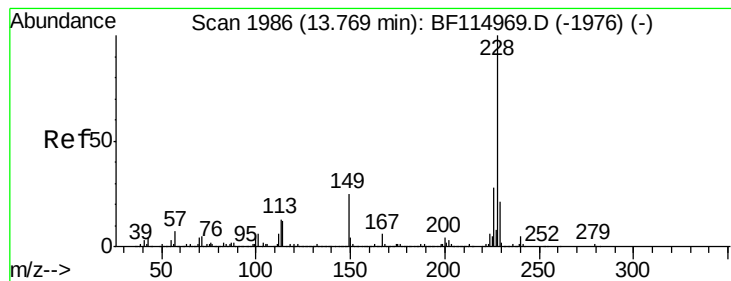


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 63.623 ng

RT: 13.77 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Instrument :

BNA_F

ClientSampled :

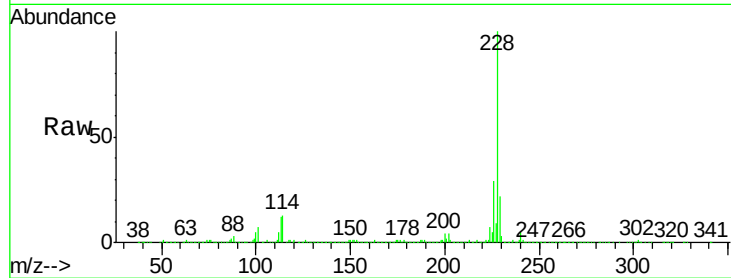
Tot Ion:228 Resp: 2385465

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.0	33.0
229	22.1	16.6	25.0

228 100

226 29.1 22.0 33.0

229 22.1 16.6 25.0

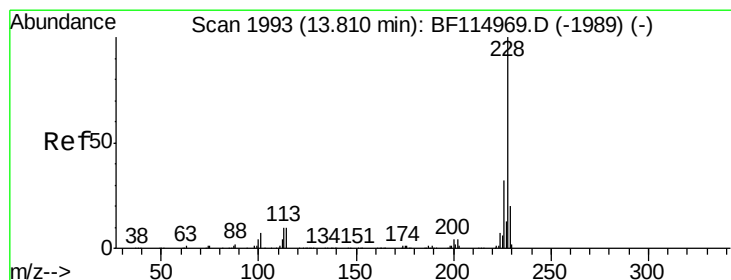
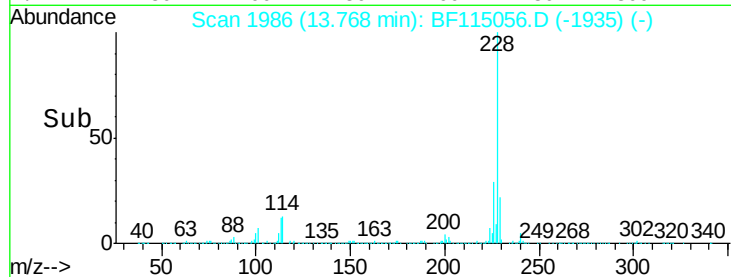
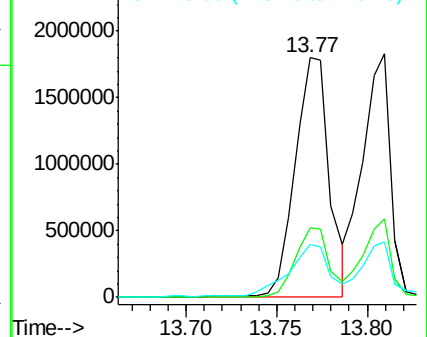


Abundance

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: 53.097 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

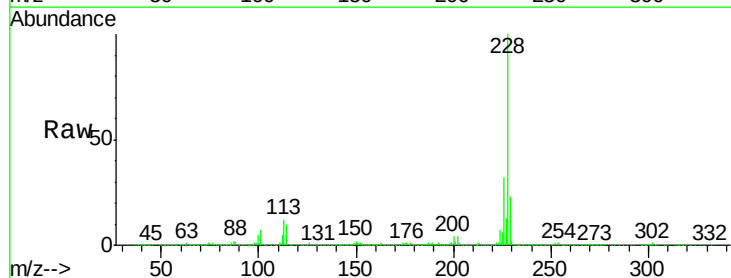
Tgt Ion:228 Resp: 1979665

Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.4	38.0
229	22.9	16.4	24.6

228 100

226 32.2 25.4 38.0

229 22.9 16.4 24.6

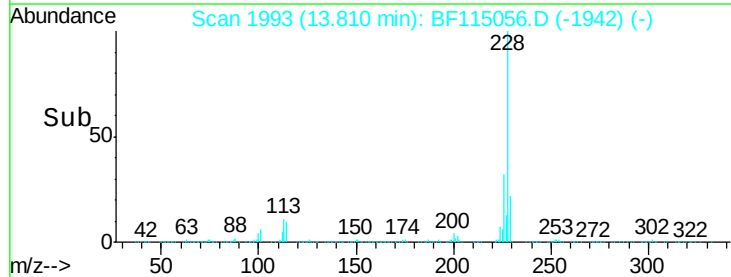
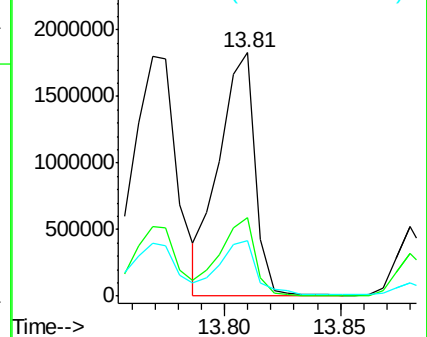


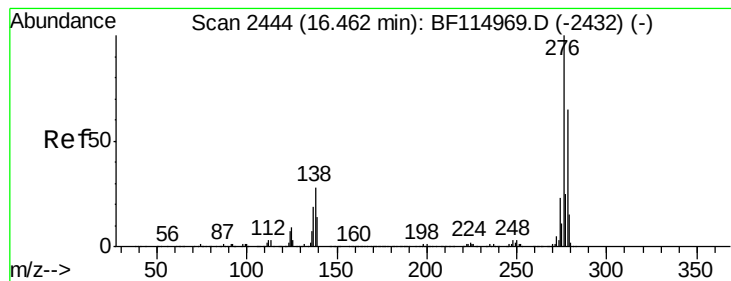
Abundance

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: 6.642 ng

RT: 16.44 min Scan# 2441

Delta R.T. -0.02 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Instrument :

BNA_F

ClientSampleId :

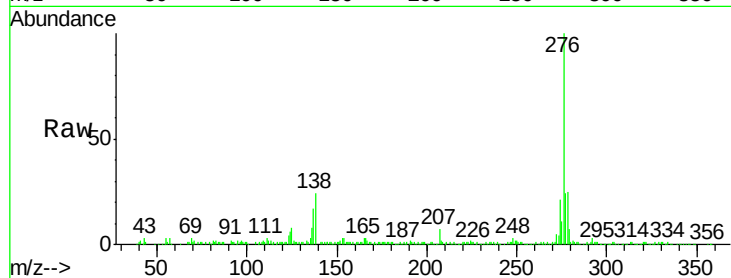
Tot Ion:276 Resp: 217526

Ion Ratio Lower Upper

276 100

138 24.1 23.0 34.4

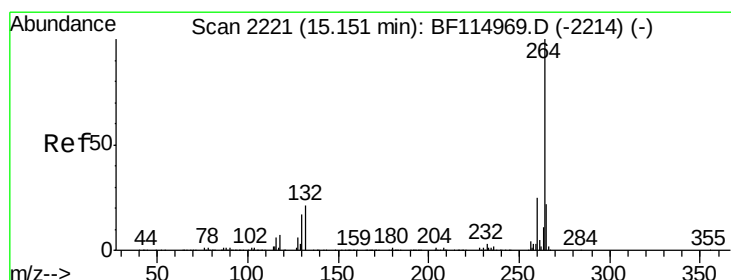
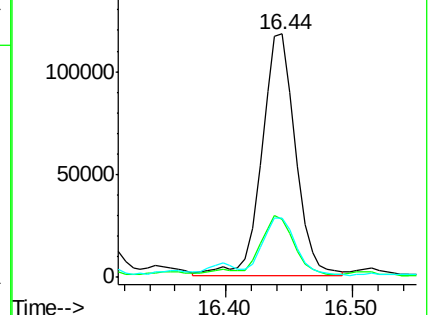
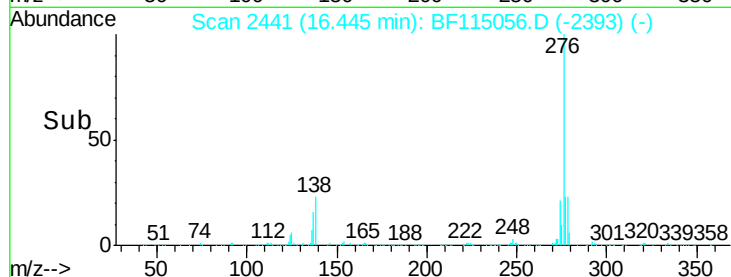
277 23.2 20.6 30.8



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

Perylene-d12

Concen: 20.000 ng

RT: 15.15 min Scan# 2221

Delta R.T. -0.00 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

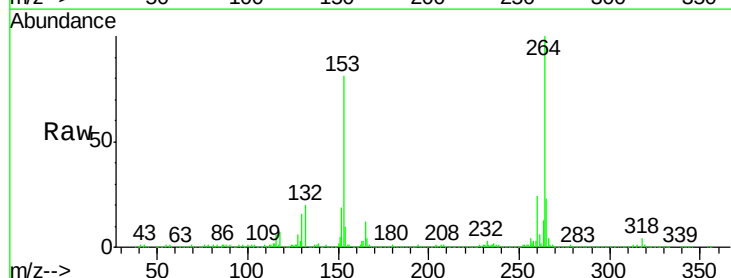
Tgt Ion:264 Resp: 582027

Ion Ratio Lower Upper

264 100

260 24.3 19.9 29.9

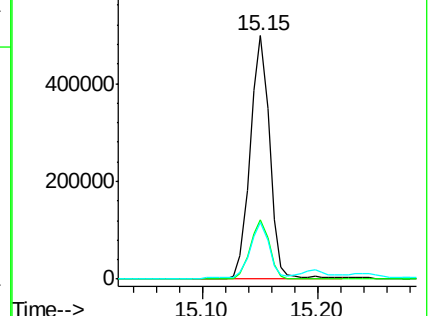
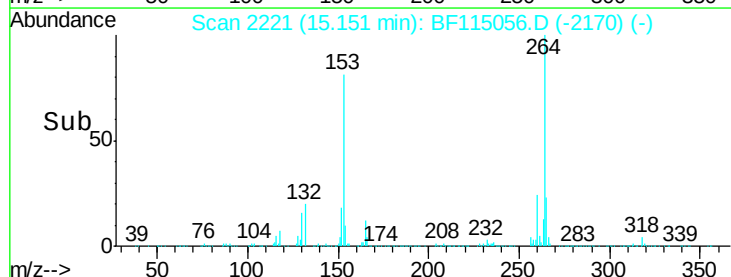
265 23.1 17.6 26.4

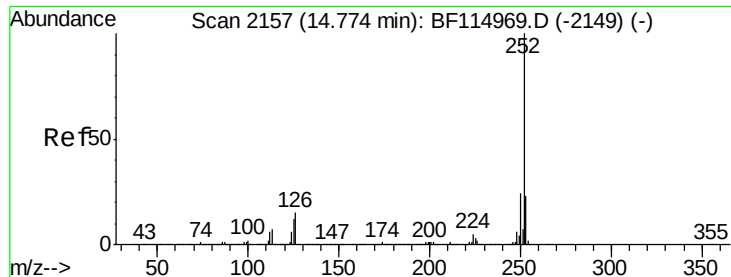


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

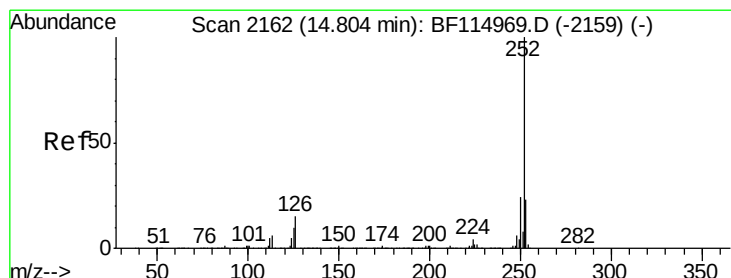
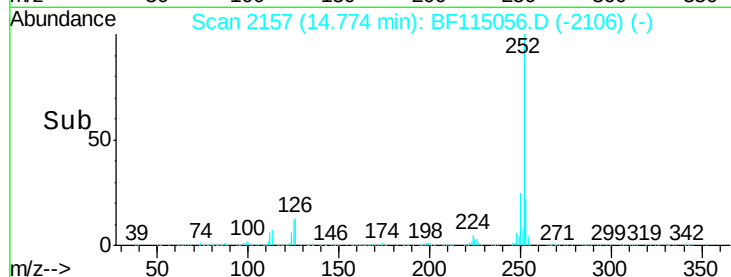
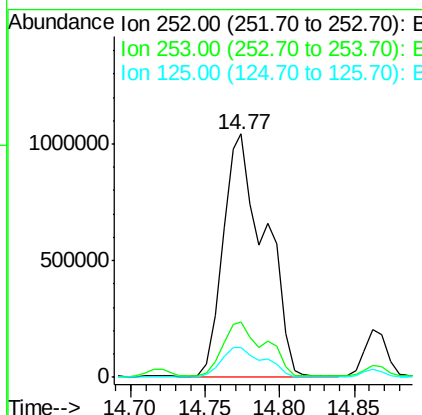
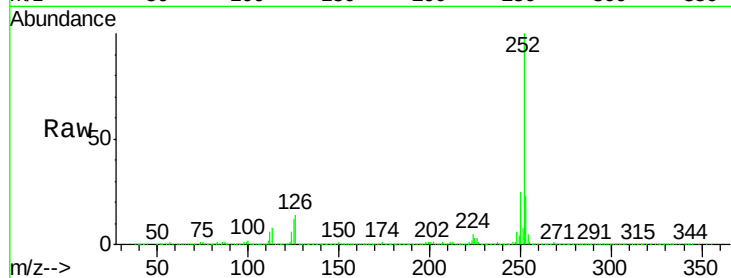




#88
Benzo(b)fluoranthene
Concen: 52.323 ng
RT: 14.77 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

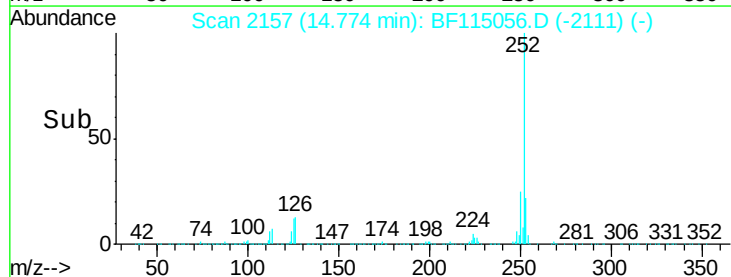
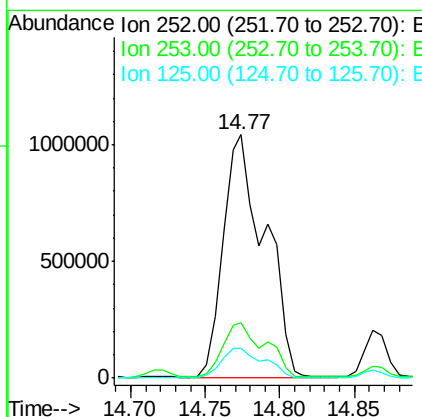
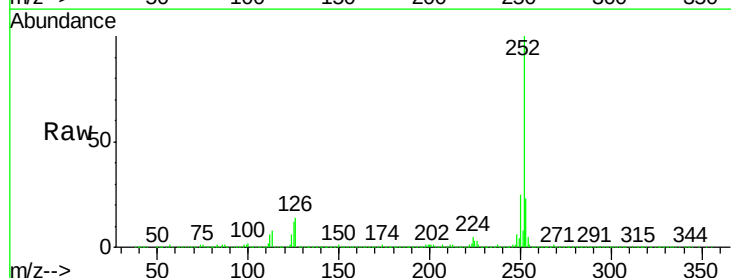
Instrument :
BNA_F
ClientSampleId :

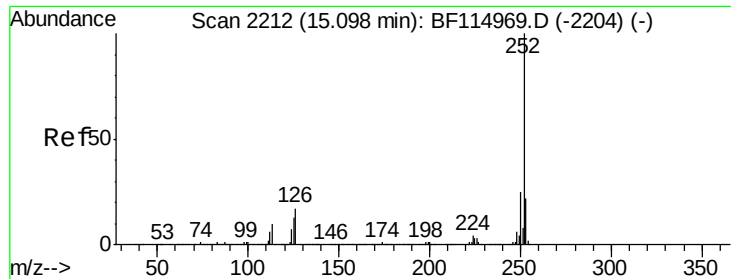
Tot Ion:252 Resp: 2024428
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 12.5 9.4 14.0



#89
Benzo(k)fluoranthene
Concen: 59.611 ng
RT: 14.77 min Scan# 2157
Delta R.T. -0.03 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:252 Resp: 2024428
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 12.5 8.2 12.4#

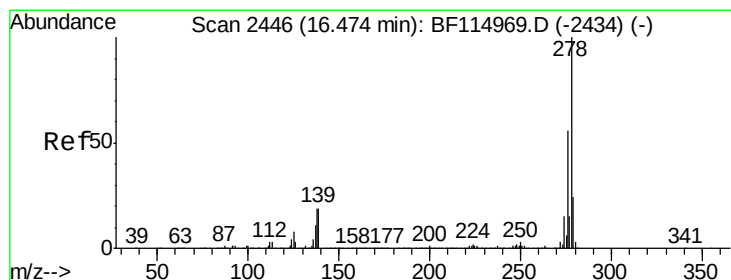
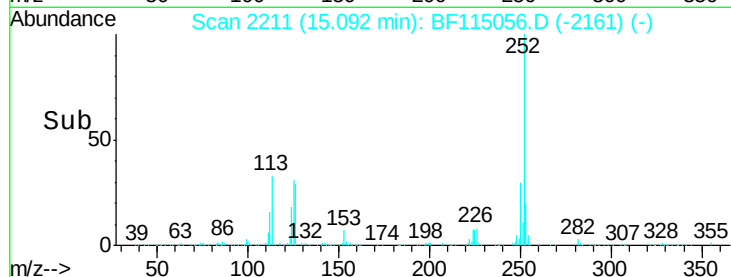
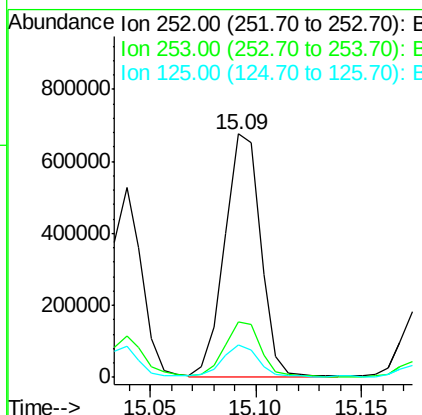
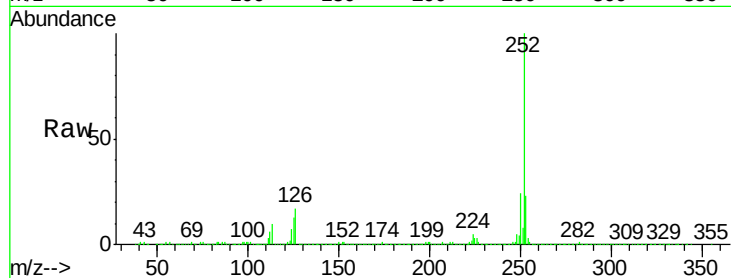




#90
Benzo(a)pyrene
Concen: 23.716 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

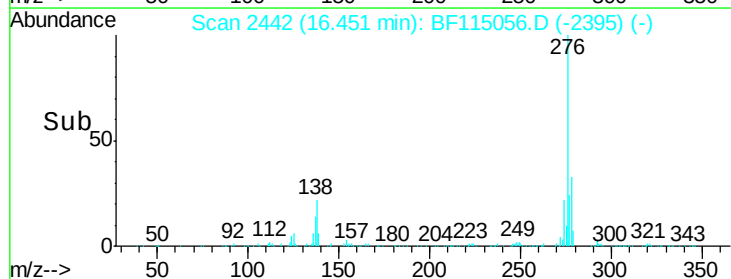
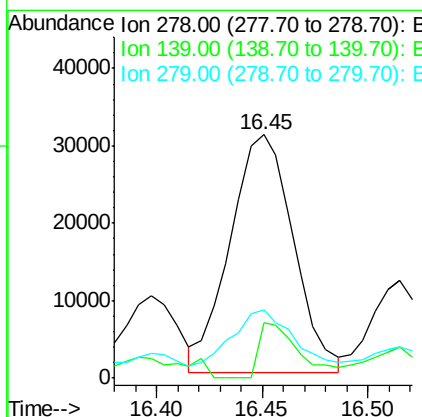
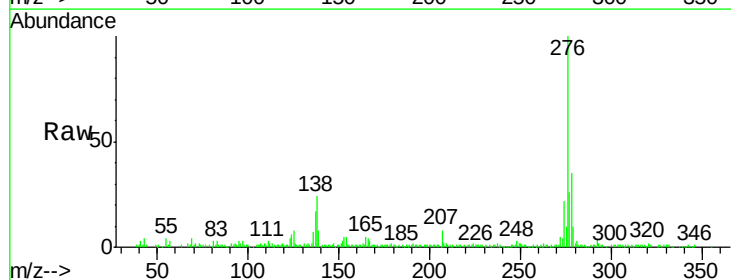
Instrument :
BNA_F
ClientSampleId :

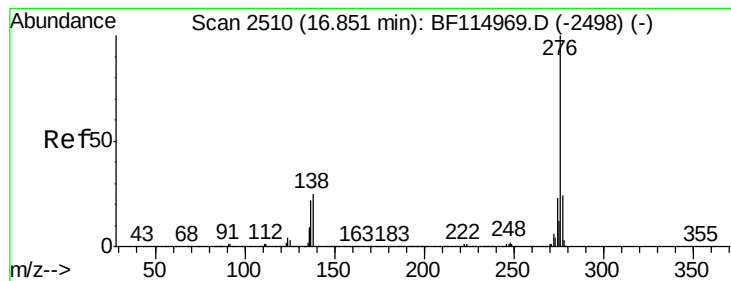
Tot Ion:252 Resp: 791787
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 13.4 10.7 16.1



#91
Dibenzo(a,h)anthracene
Concen: 2.221 ng
RT: 16.45 min Scan# 2442
Delta R.T. -0.02 min
Lab File: BF115056.D
Acq: 14 Jun 2019 22:37

Tgt Ion:278 Resp: 63872
Ion Ratio Lower Upper
278 100
139 22.9 15.3 22.9
279 28.2 19.2 28.8





#92

Benzo(a,h,i)perylene

Concen: 5.106 ng

RT: 16.83 min Scan# 2507

Delta R.T. -0.02 min

Lab File: BF115056.D

Acq: 14 Jun 2019 22:37

Instrument :

BNA_F

ClientSampleId :

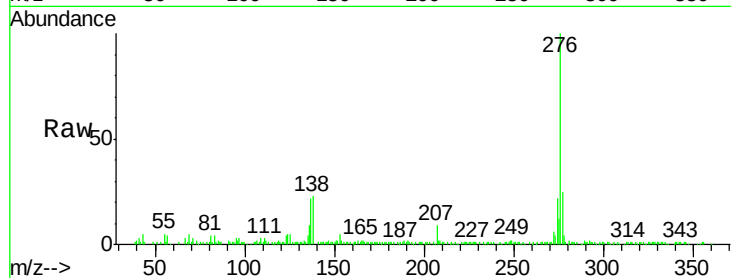
Tot Ion: 276 Resp: 149735

Ion Ratio Lower Upper

276 100

277 24.9 18.8 28.2

138 23.0 20.2 30.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

