

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121418\
 Data File : BF111434.D
 Acq On : 14 Dec 2018 22:20
 Operator : JU/SJ
 Sample : J6371-02 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EB07-1-2

Quant Time: Dec 14 22:50:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	185037	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	719268	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	285630	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	426202	20.00	ng	0.00
76) Chrysene-d12	13.95	240	342761	20.00	ng	0.00
87) Perylene-d12	15.39	264	247414	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	209446	18.84	ng	0.00
7) Phenol-d6	6.43	99	705989	47.73	ng	0.00
23) Nitrobenzene-d5	7.35	82	462731	38.31	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	23198	9.07	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	789858	42.71	ng	0.00
79) Terphenyl-d14	12.90	244	556828	38.15	ng	0.00

Target Compounds

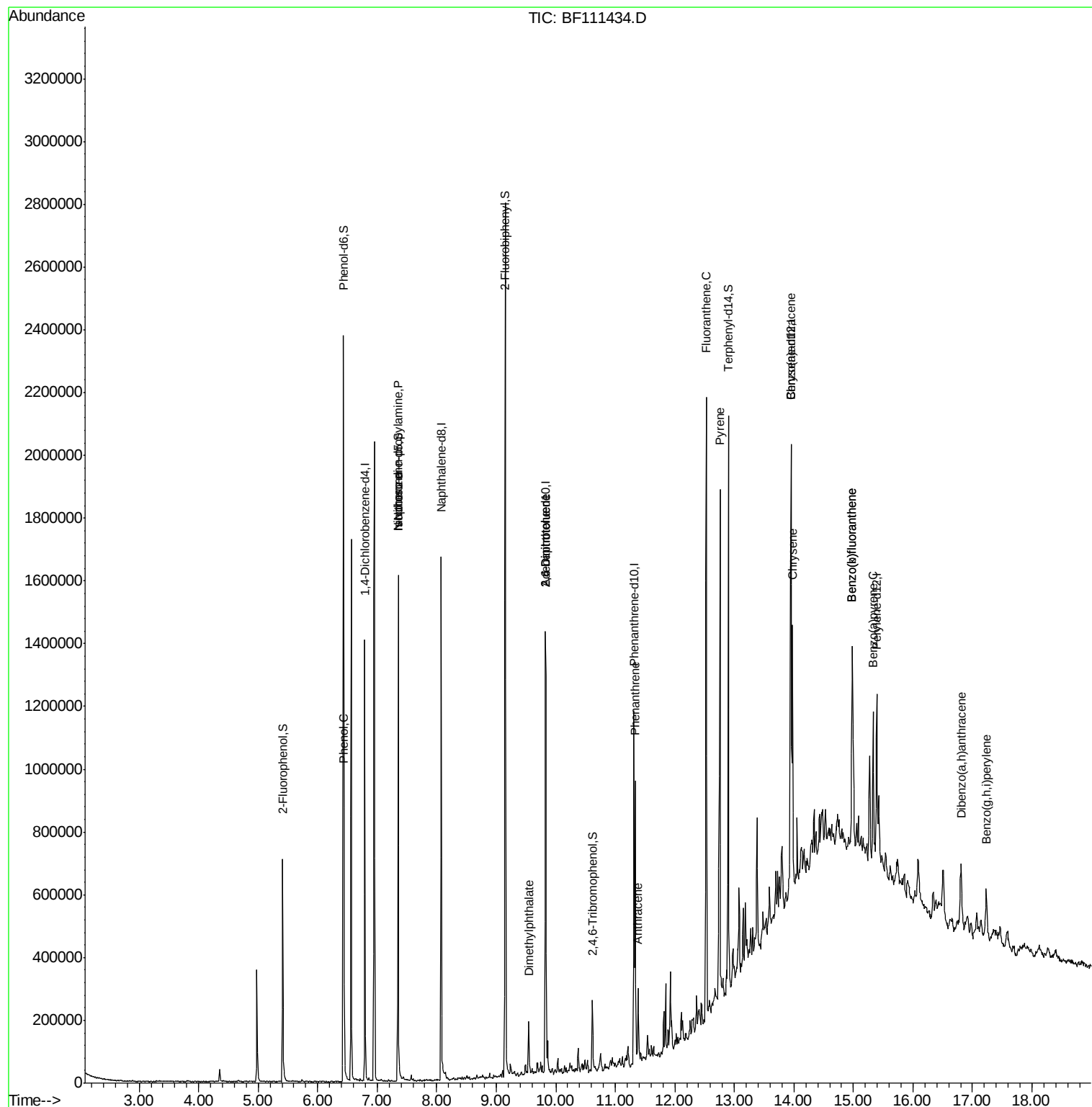
						Qvalue
10) Phenol	6.45	94	50027	3.036	ng	93
19) n-Nitroso-di-n-propylamine	7.35	70	59673	6.115	ng	# 80
25) Isophorone	7.35	82	462779	22.644	ng	# 64
50) Dimethylphthalate	9.55	163	60925	2.962	ng	# 99
51) 2,6-Dinitrotoluene	9.83	165	36889	7.967	ng	# 29
57) 2,4-Dinitrotoluene	9.83	165	36889	6.070	ng	# 25
71) Phenanthrene	11.34	178	349463	15.913	ng	93
72) Anthracene	11.39	178	95286	4.243	ng	93
75) Fluoranthene	12.53	202	750724	34.942	ng	97
78) Pyrene	12.76	202	697582	28.866	ng	95
81) Benzo(a)anthracene	13.94	228	365142	19.592	ng	99
83) Chrysene	13.97	228	338119	17.222	ng	96
88) Benzo(b)fluoranthene	14.98	252	456009	31.613	ng	98
89) Benzo(k)fluoranthene	14.98	252	456009	33.085	ng	97
90) Benzo(a)pyrene	15.33	252	235204	18.082	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	31597	3.079	ng	# 85
92) Benzo(g,h,i)perylene	17.23	276	131013	13.008	ng	93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_G

ClientSampleId :

EB07-1-2

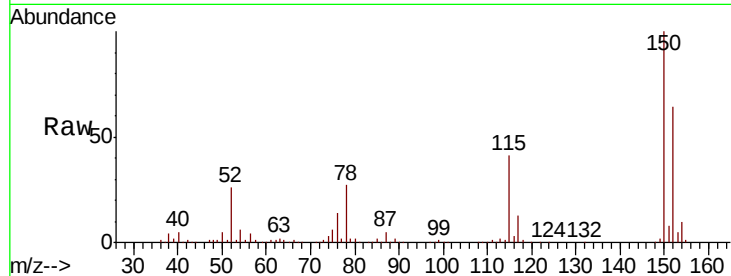
Tgt Ion:152 Resp: 185037

Ion Ratio Lower Upper

152 100

150 157.1 126.6 189.8

115 63.8 50.7 76.1

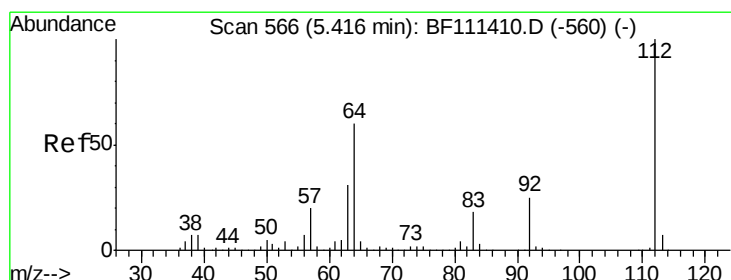
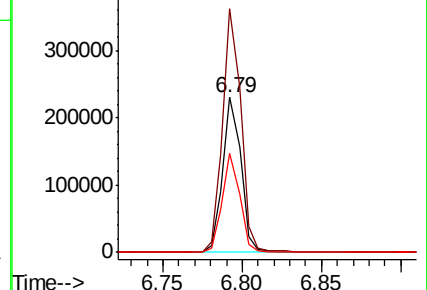
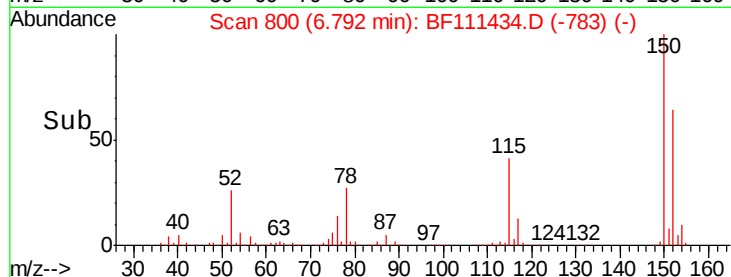


Abundance

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: 18.836 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

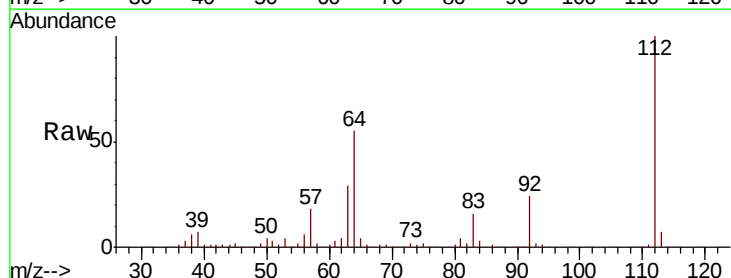
Tgt Ion:112 Resp: 209446

Ion Ratio Lower Upper

112 100

64 54.8 51.8 77.6

63 29.3 26.8 40.2

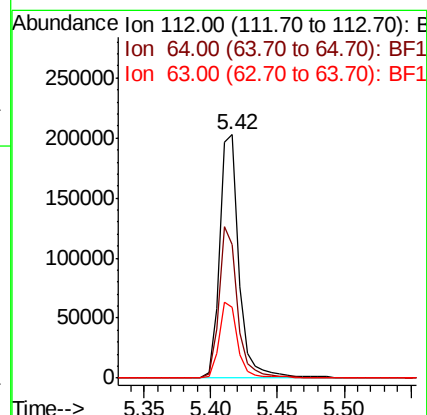
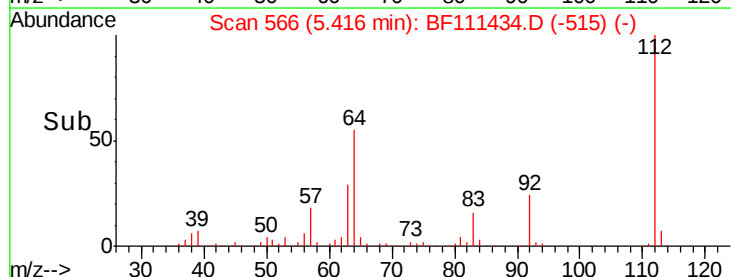


Abundance

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: 47.731 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_G

ClientSampleId :

EB07-1-2

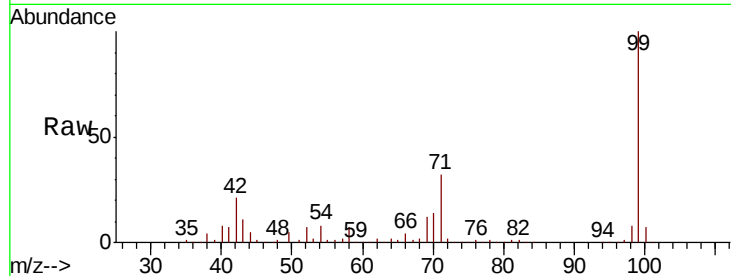
Tgt Ion: 99 Resp: 705989

Ion Ratio Lower Upper

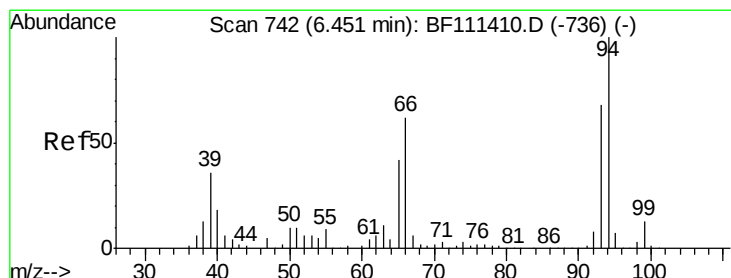
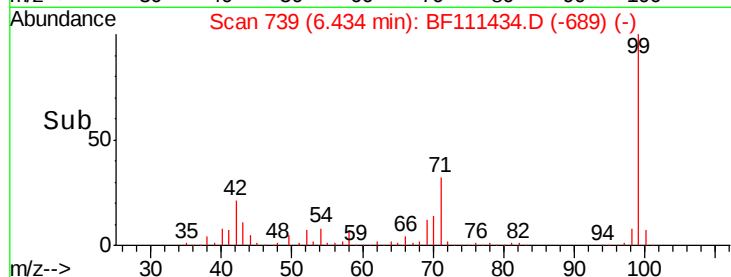
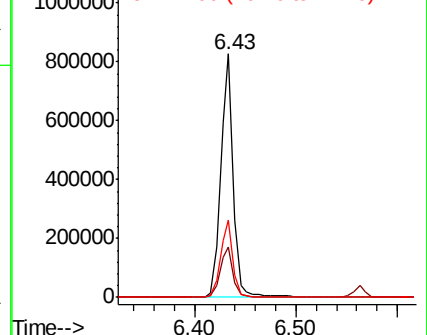
99 100

42 20.9 17.4 26.0

71 31.6 26.1 39.1



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: 3.036 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

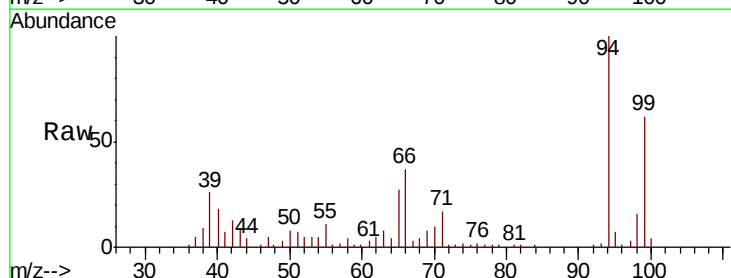
Tgt Ion: 94 Resp: 50027

Ion Ratio Lower Upper

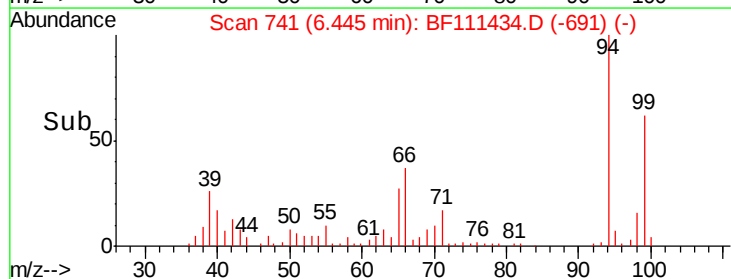
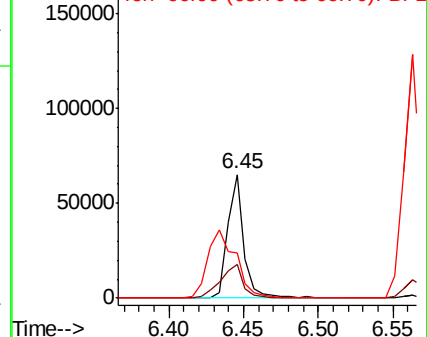
94 100

65 26.9 11.7 51.7

66 37.1 21.0 61.0



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

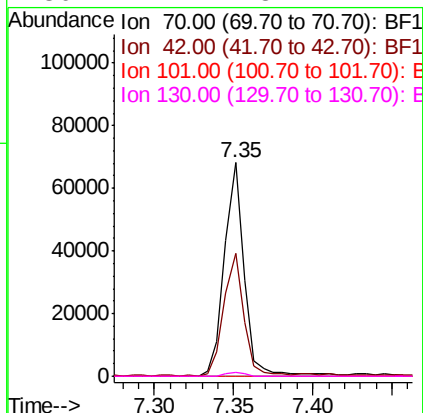
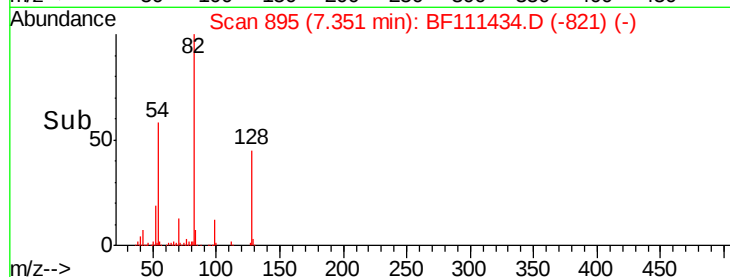
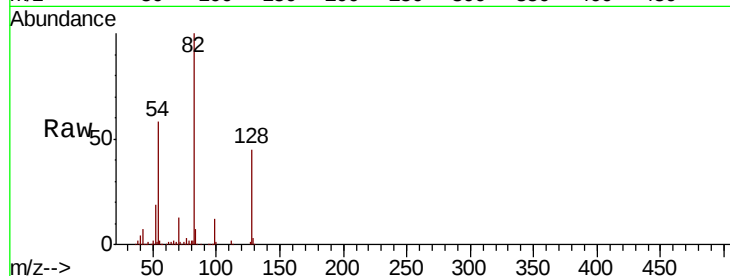




#19
n-Nitroso-di-n-propylamine
Concen: 6.115 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

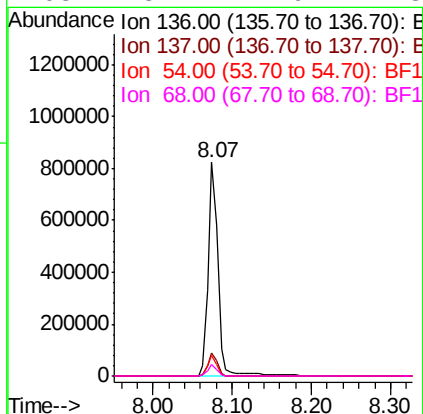
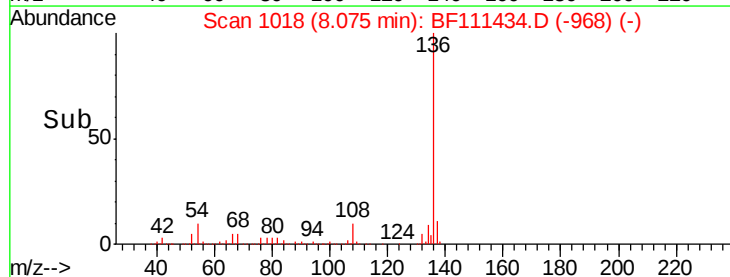
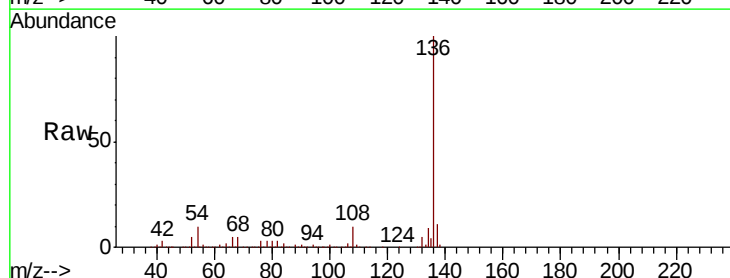
Instrument :
BNA_G
ClientSampleId :
EB07-1-2

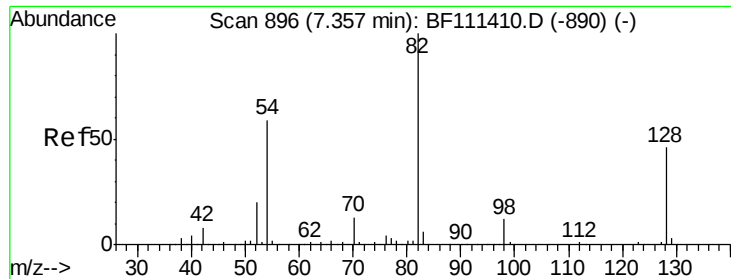
Tgt Ion: 70 Resp: 59673
Ion Ratio Lower Upper
70 100
42 57.5 53.2 79.8
101 0.0 8.2 12.4#
130 1.7 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Tgt Ion: 136 Resp: 719268
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 9.9 7.7 11.5
68 5.2 4.9 7.3

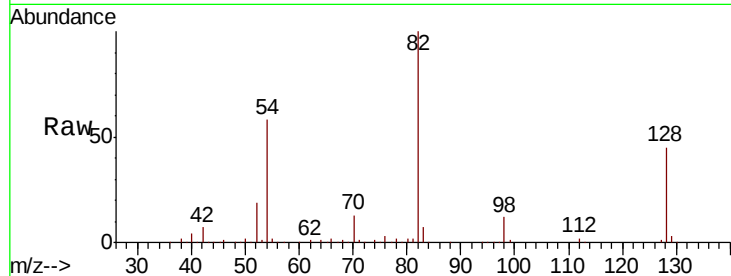




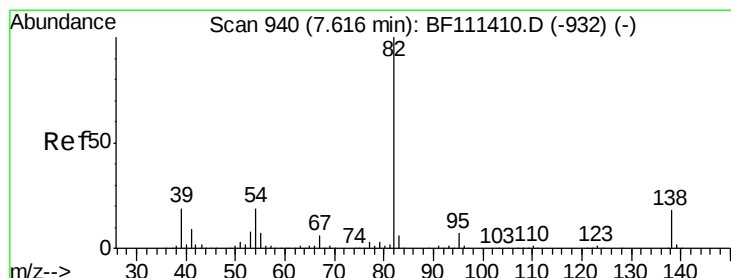
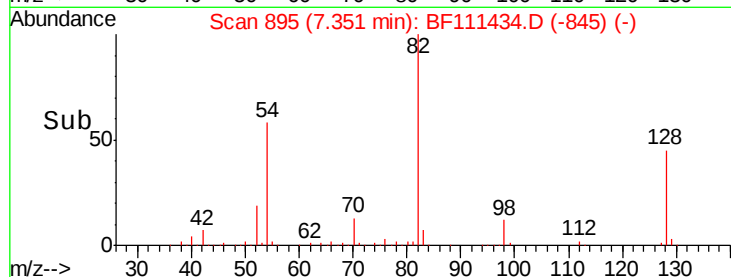
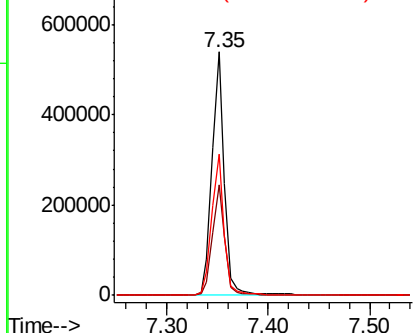
#23
Nitrobenzene-d5
Concen: 38.310 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Instrument :
BNA_G
ClientSampleId :
EB07-1-2

Tgt Ion: 82 Resp: 462731
Ion Ratio Lower Upper
82 100
128 45.4 37.4 56.2
54 57.8 47.6 71.4

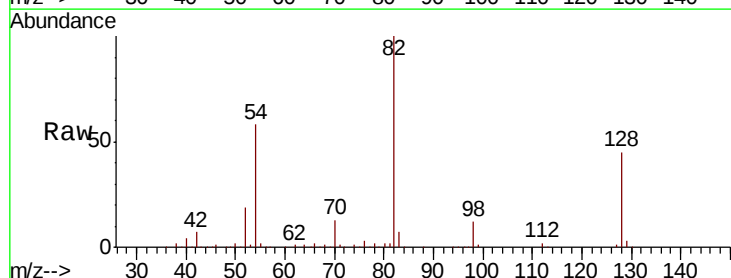


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

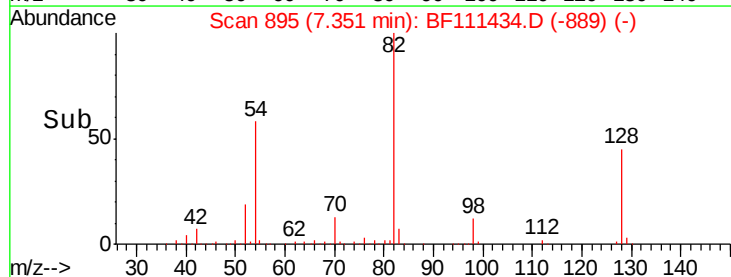
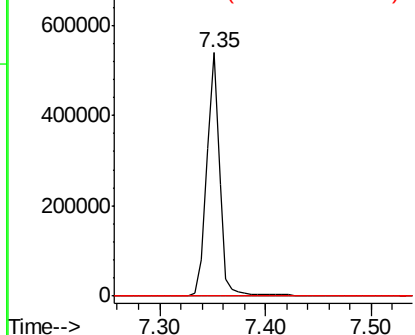


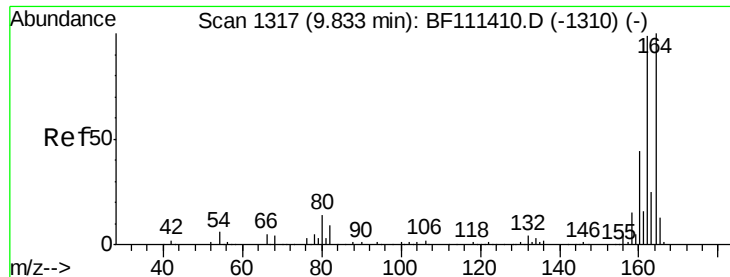
#25
Isophorone
Concen: 22.644 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Tgt Ion: 82 Resp: 462779
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 15.1 22.7#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_G

ClientSampleId :

EB07-1-2

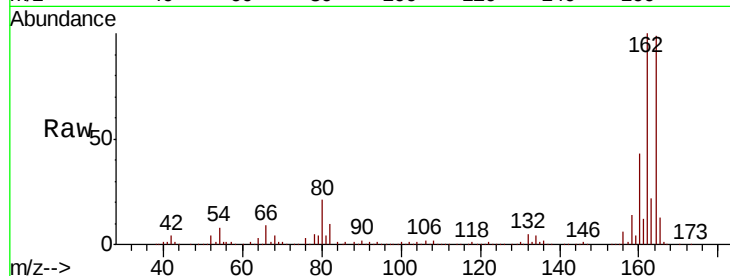
Tgt Ion:164 Resp: 285630

Ion Ratio Lower Upper

164 100

162 100.6 81.4 122.0

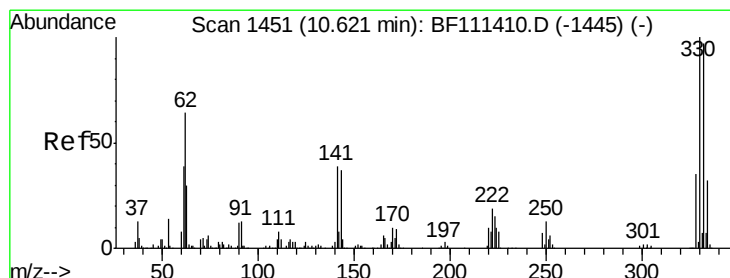
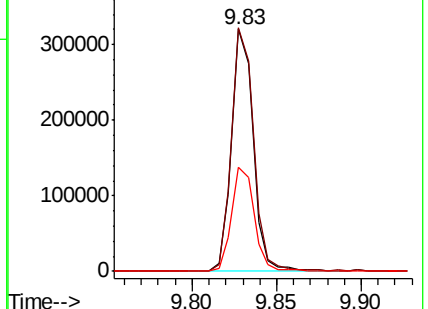
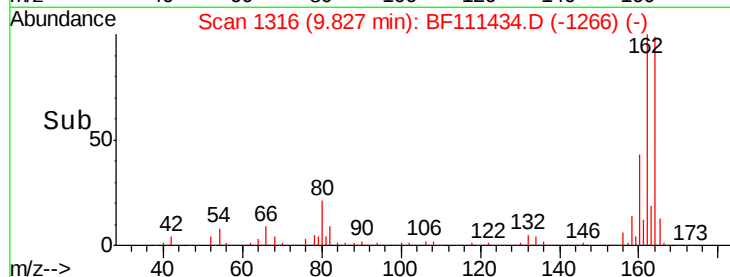
160 43.2 35.7 53.5



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: 9.067 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

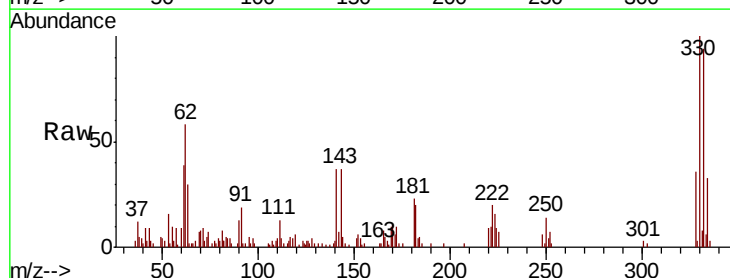
Tgt Ion:330 Resp: 23198

Ion Ratio Lower Upper

330 100

332 94.5 76.0 114.0

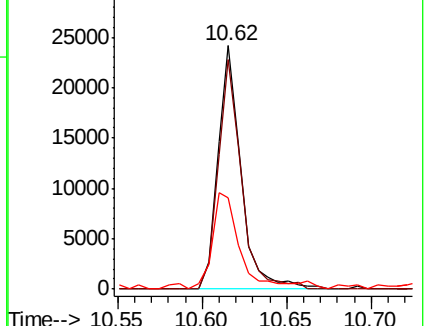
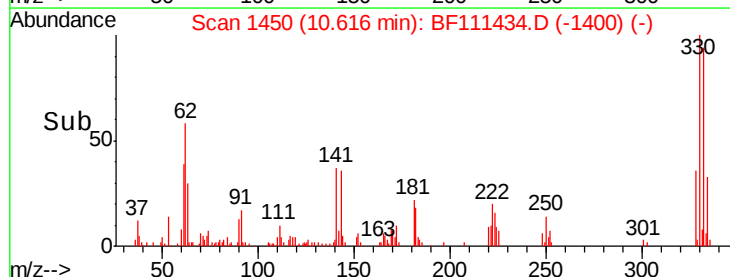
141 47.3 31.0 46.6#

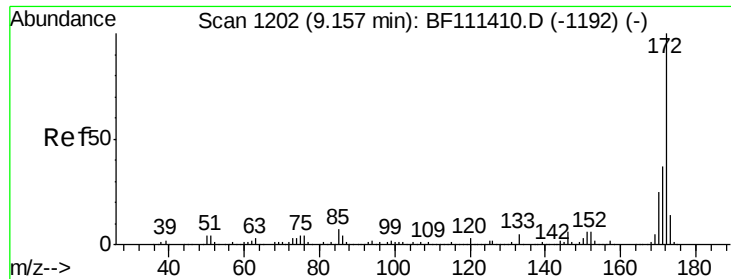


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

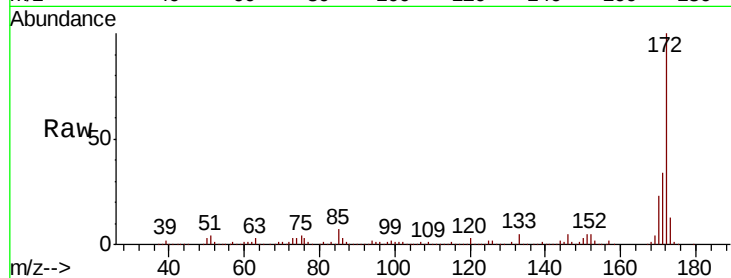




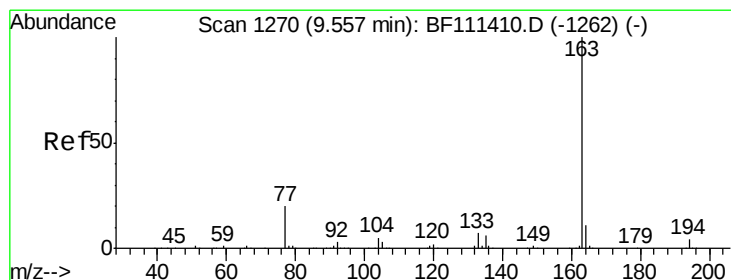
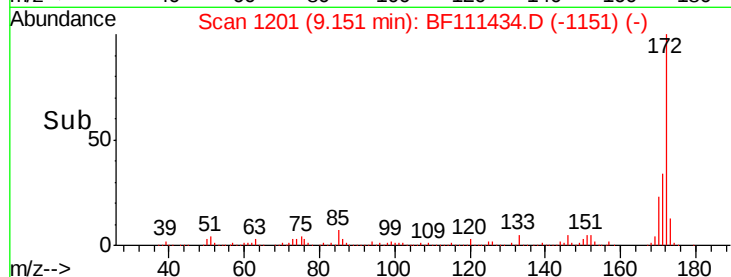
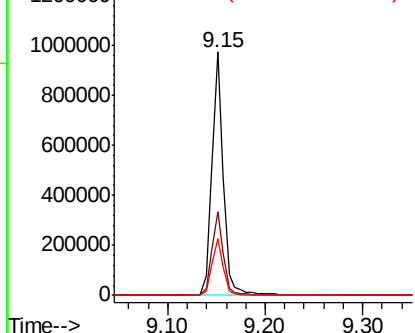
#45
2-Fluorobiphenyl
Concen: 42.714 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Instrument :
BNA_G
ClientSampleId :
EB07-1-2

Tgt Ion:172 Resp: 789858
Ion Ratio Lower Upper
172 100
171 34.5 33.0 49.4
170 23.2 22.3 33.5

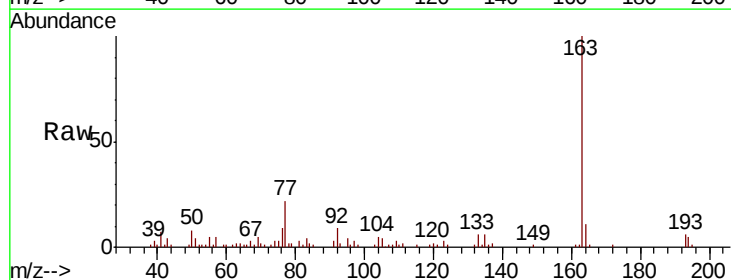


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

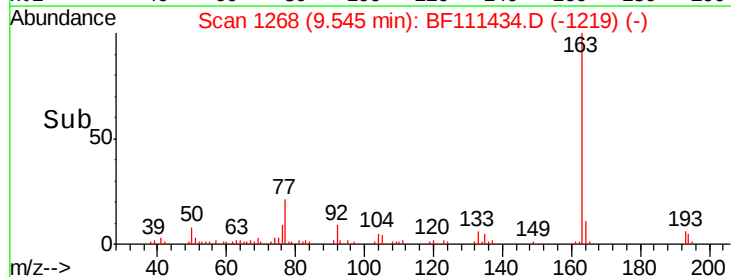
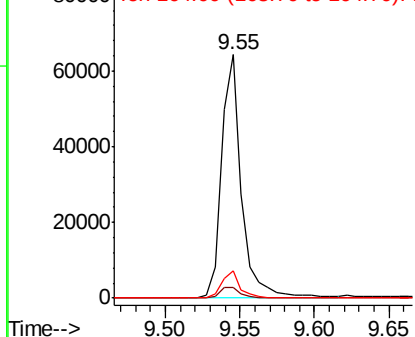


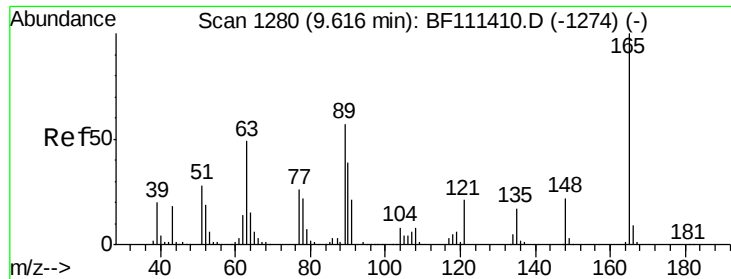
#50
Dimethylphthalate
Concen: 2.962 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Tgt Ion:163 Resp: 60925
Ion Ratio Lower Upper
163 100
194 4.6 3.0 4.6#
164 11.5 8.9 13.3



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

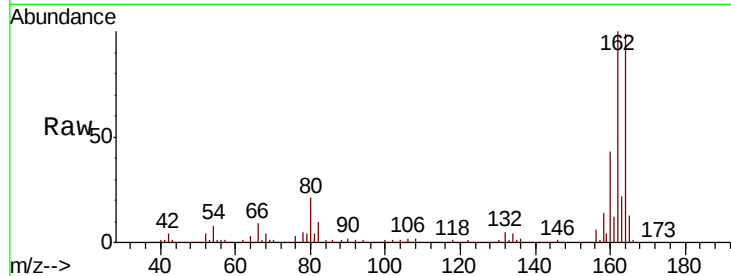




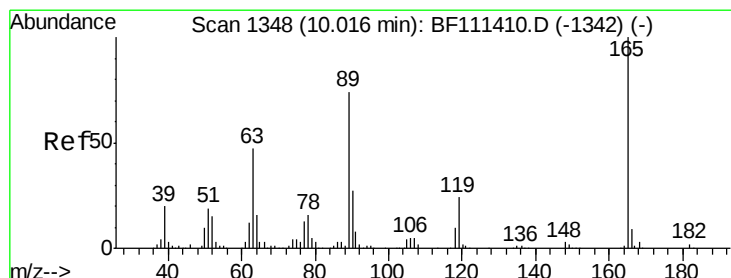
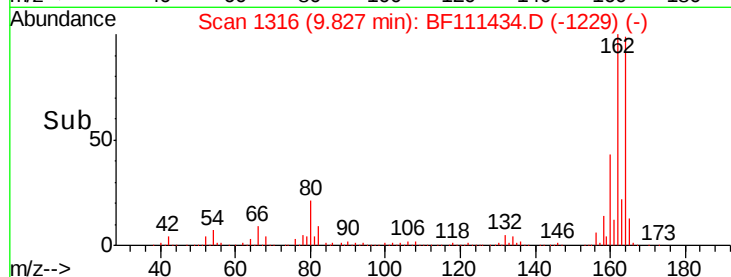
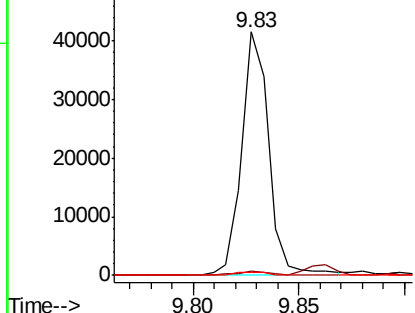
#51
 2,6-Dinitrotoluene
 Concen: 7.967 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF111434.D
 Acq: 14 Dec 2018 22:20

Instrument :
 BNA_G
 ClientSampled :
 EB07-1-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.5	60.7#
89	1.3	40.0	60.0#



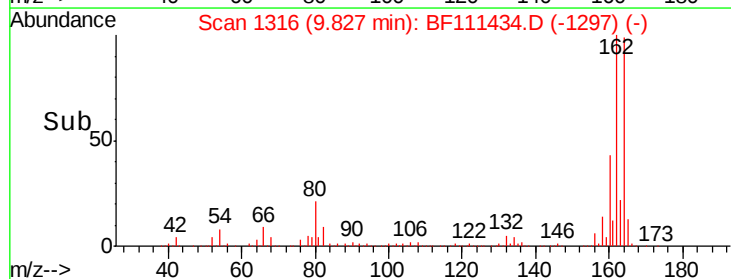
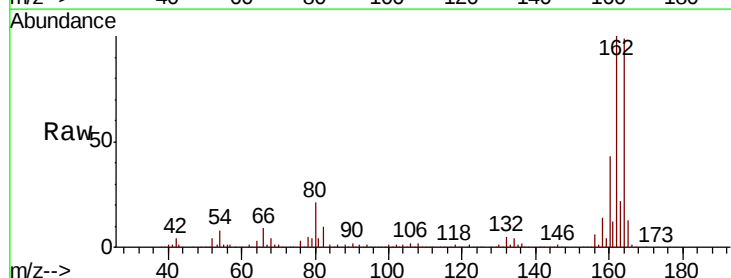
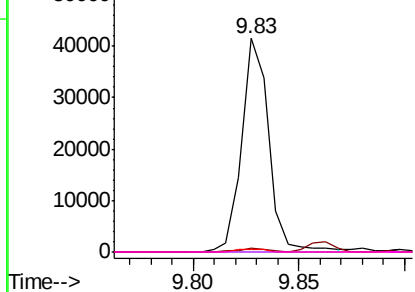
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

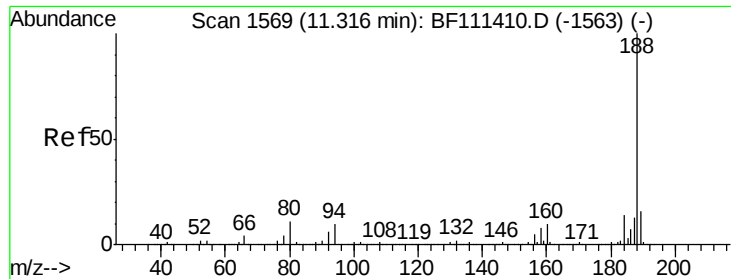


#57
 2,4-Dinitrotoluene
 Concen: 6.070 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.19 min
 Lab File: BF111434.D
 Acq: 14 Dec 2018 22:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.6	52.0#
89	1.3	56.2	84.4#
182	0.0	1.8	2.6#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

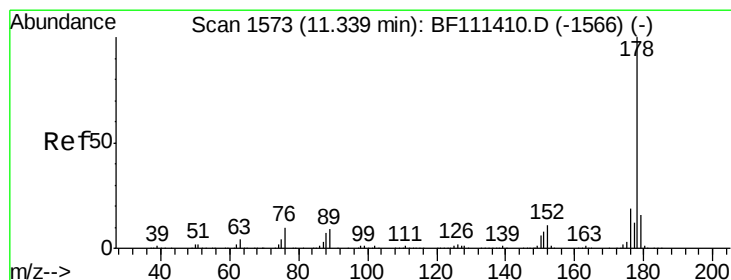
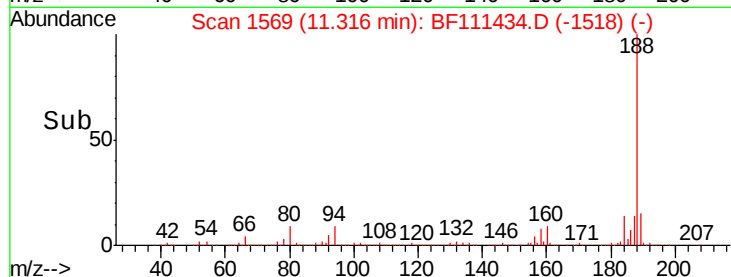
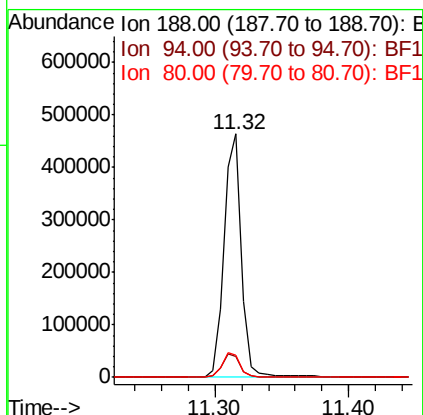
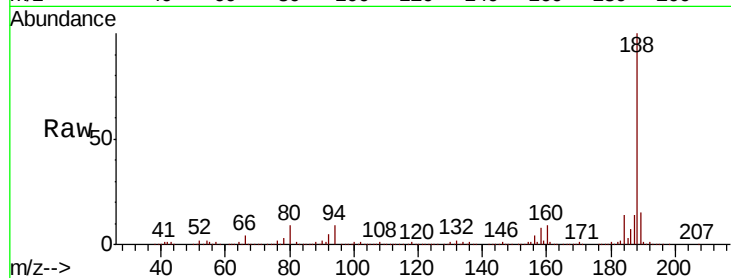




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

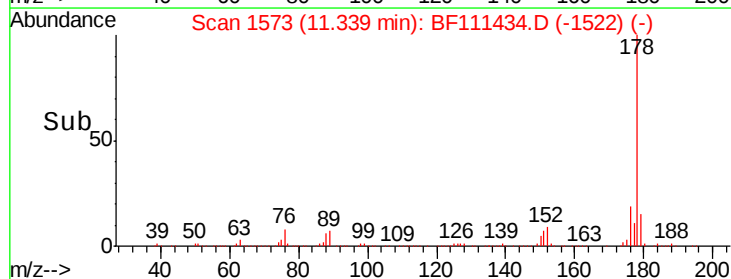
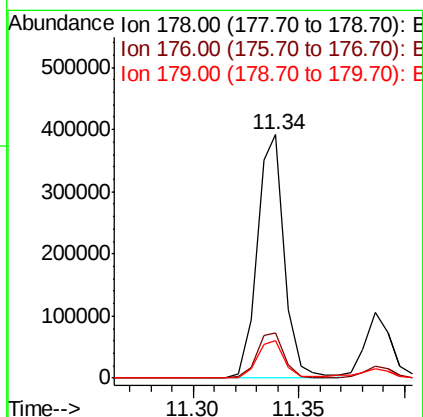
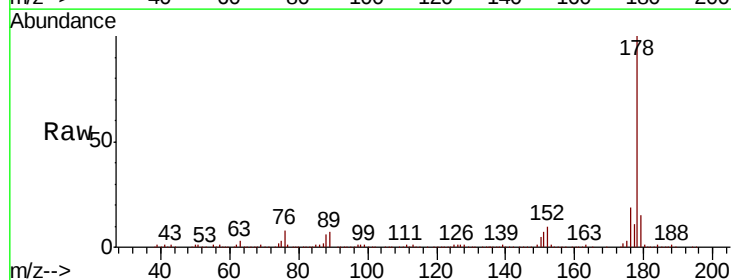
Instrument :
BNA_G
ClientSampleId :
EB07-1-2

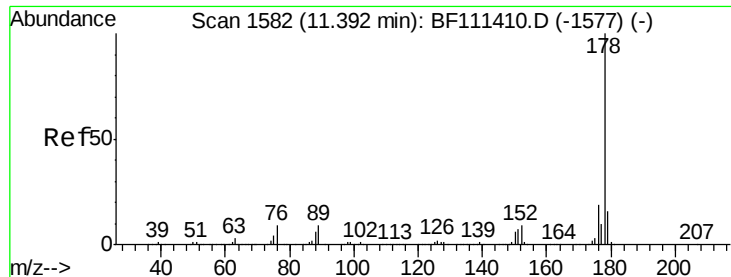
Tgt Ion:188 Resp: 426202
Ion Ratio Lower Upper
188 100
94 8.7 9.6 14.4#
80 9.2 9.8 14.6#



#71
Phenanthrene
Concen: 15.913 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Tgt Ion:178 Resp: 349463
Ion Ratio Lower Upper
178 100
176 18.8 18.1 27.1
179 15.2 14.0 21.0





#72

Anthracene

Concen: 4.243 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_G

ClientSampleId :

EB07-1-2

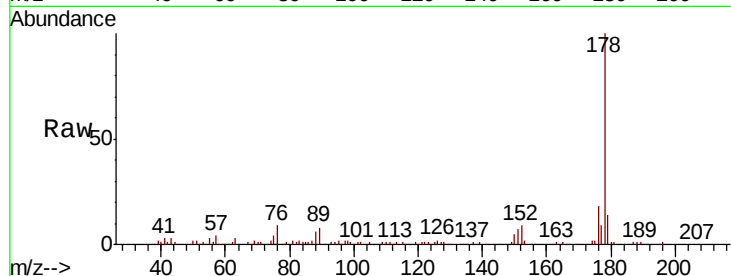
Tgt Ion:178 Resp: 95286

Ion Ratio Lower Upper

178 100

176 18.4 17.2 25.8

179 14.2 13.8 20.8

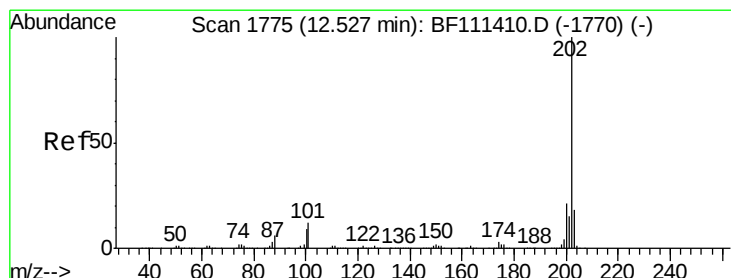
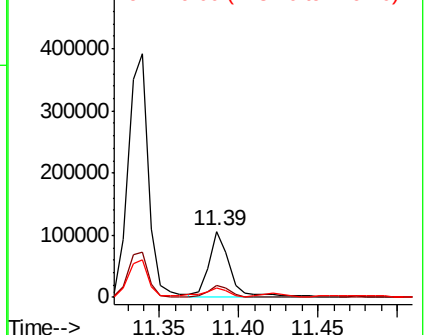
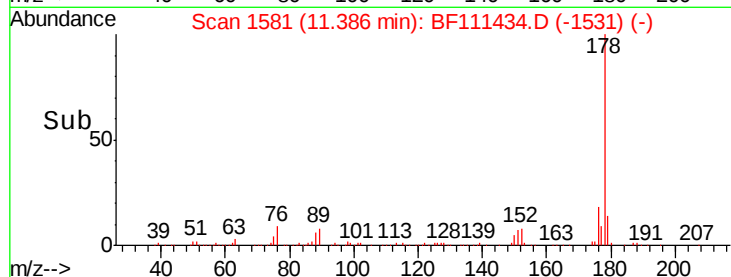


Abundance

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



#75

Fluoranthene

Concen: 34.942 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

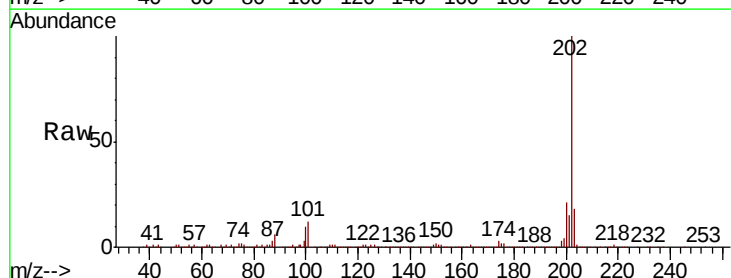
Tgt Ion:202 Resp: 750724

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.8

203 17.6 0.0 38.6

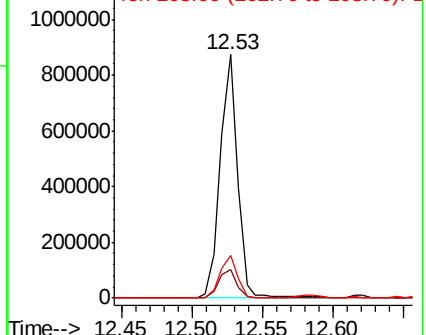
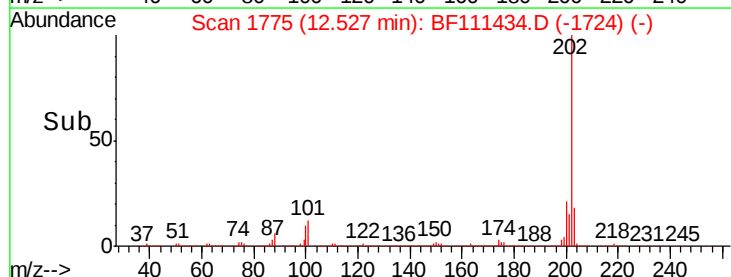


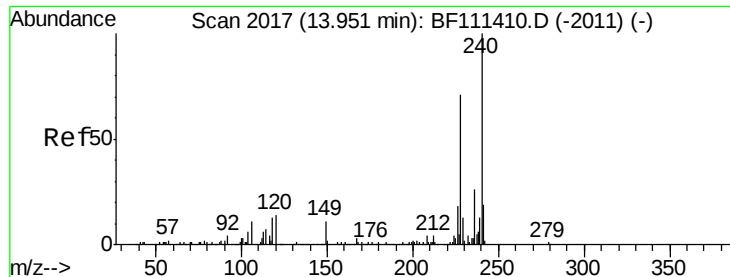
Abundance

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: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_G

ClientSampleId :

EB07-1-2

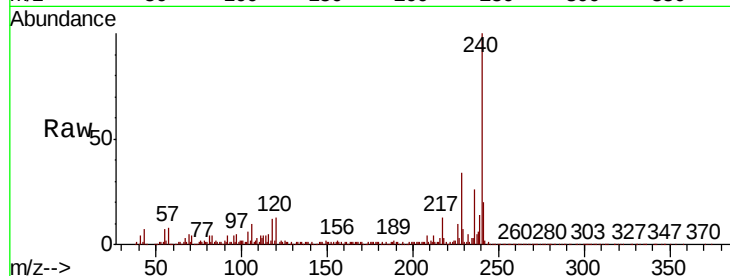
Tgt Ion:240 Resp: 342761

Ion Ratio Lower Upper

240 100

120 13.4 12.2 18.2

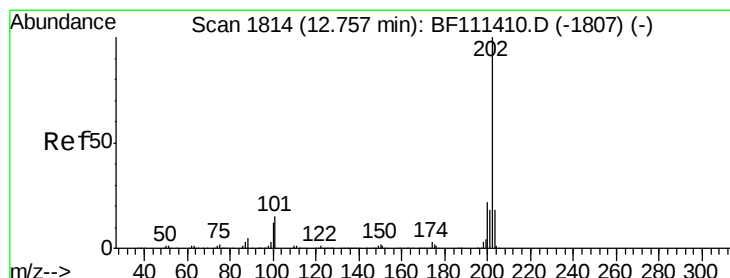
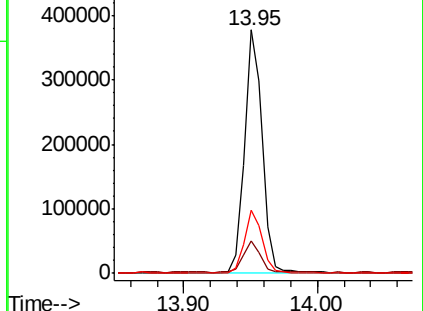
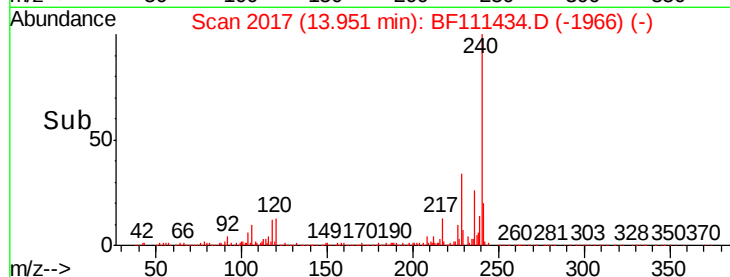
236 25.9 20.2 30.2



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: 28.866 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

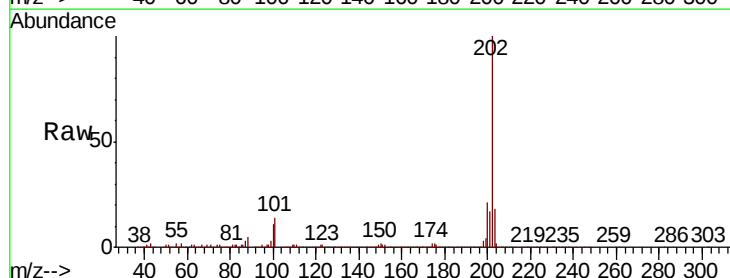
Tgt Ion:202 Resp: 697582

Ion Ratio Lower Upper

202 100

200 20.7 19.0 28.4

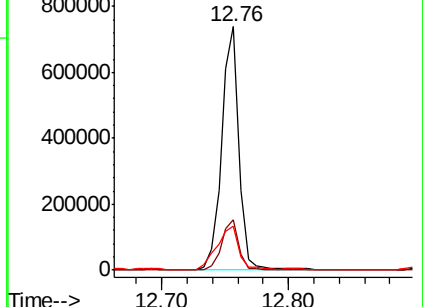
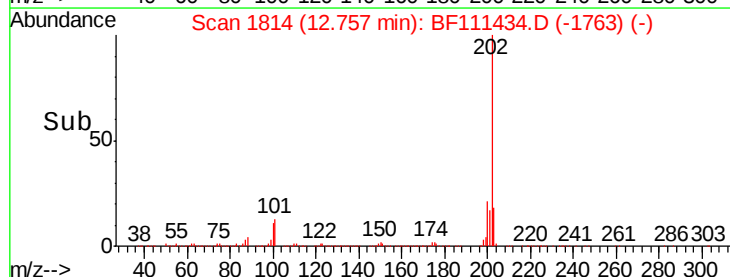
203 17.9 15.2 22.8

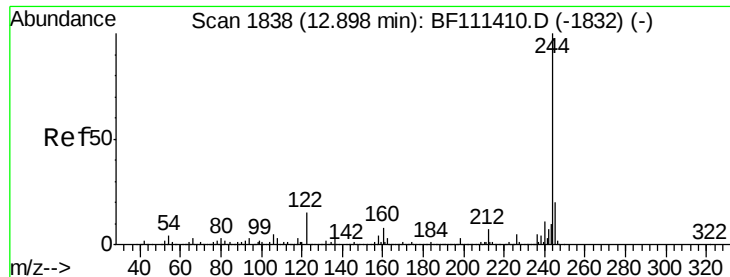


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 38.148 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_G

ClientSampleId :

EB07-1-2

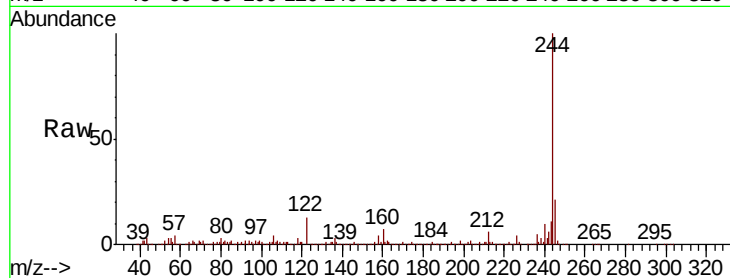
Tgt Ion:244 Resp: 556828

Ion Ratio Lower Upper

244 100

212 6.1 5.7 8.5

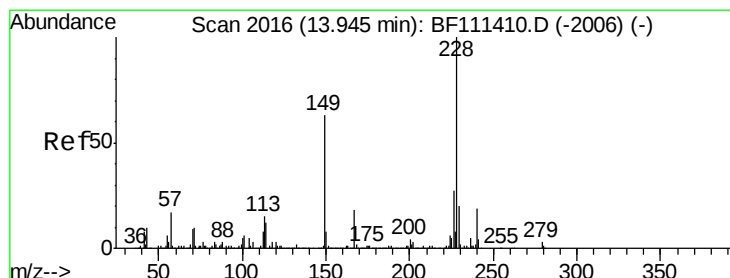
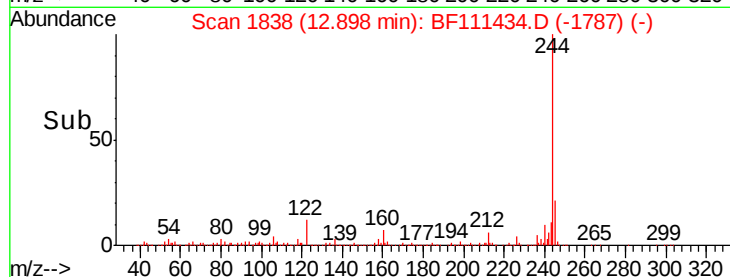
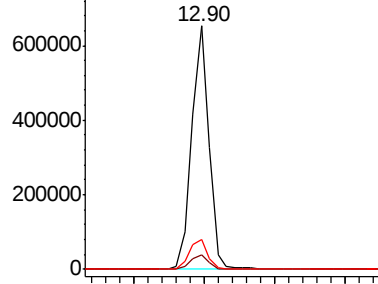
122 12.5 13.1 19.7#



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: 19.592 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

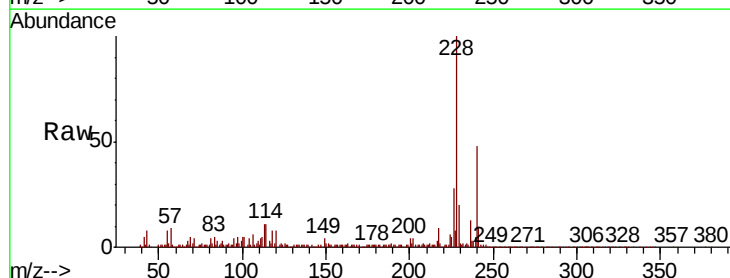
Tgt Ion:228 Resp: 365142

Ion Ratio Lower Upper

228 100

226 27.6 22.6 34.0

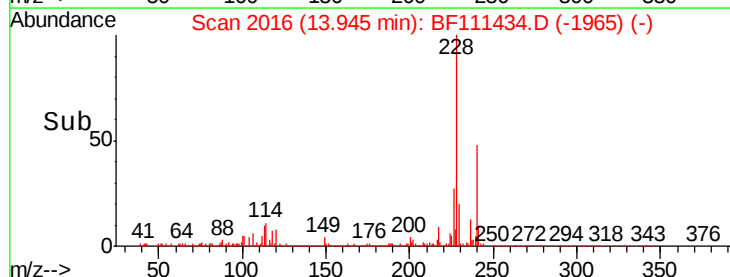
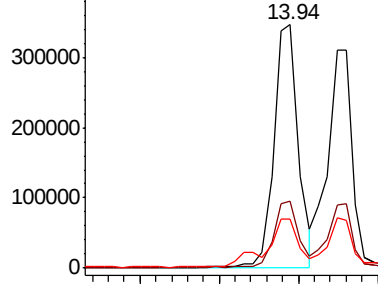
229 20.4 16.3 24.5

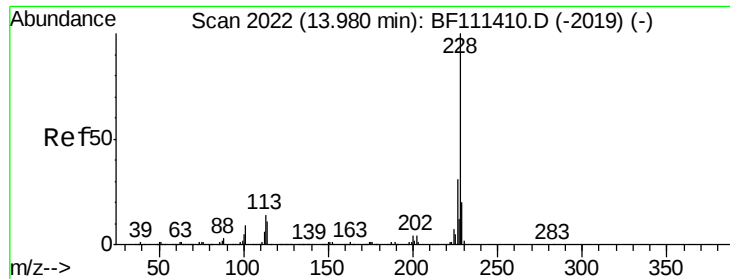


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 17.222 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_G

ClientSampleId :

EB07-1-2

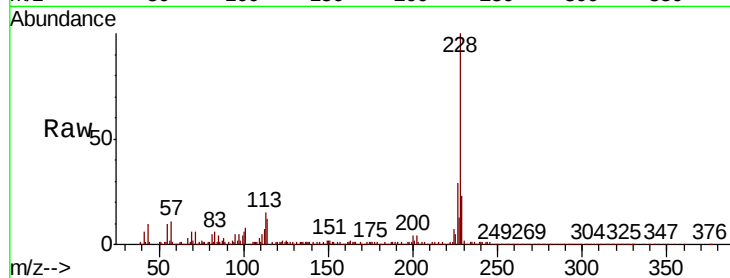
Tgt Ion:228 Resp: 338119

Ion Ratio Lower Upper

228 100

226 28.9 25.3 37.9

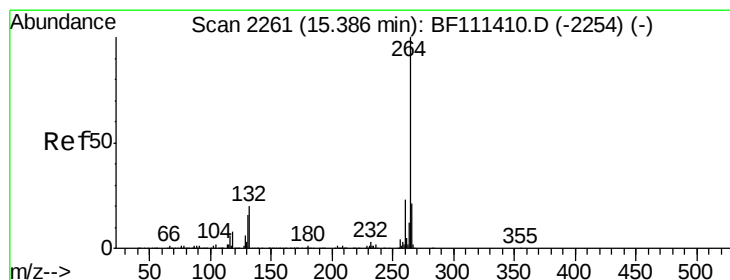
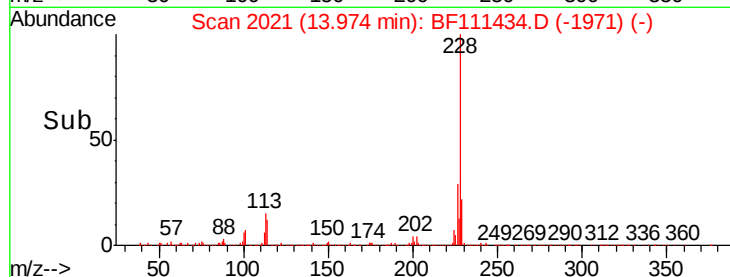
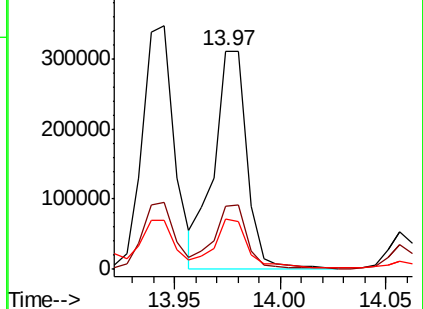
229 23.1 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

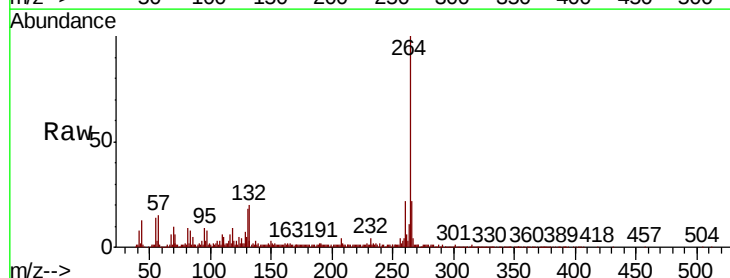
Tgt Ion:264 Resp: 247414

Ion Ratio Lower Upper

264 100

260 22.2 18.3 27.5

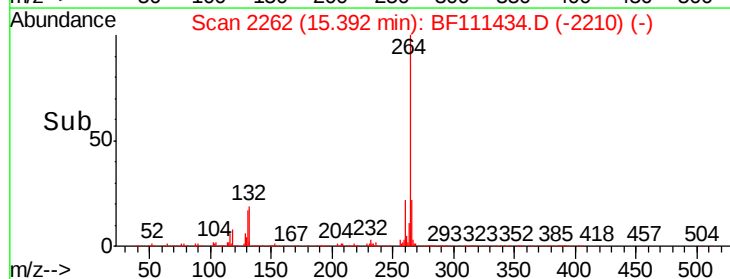
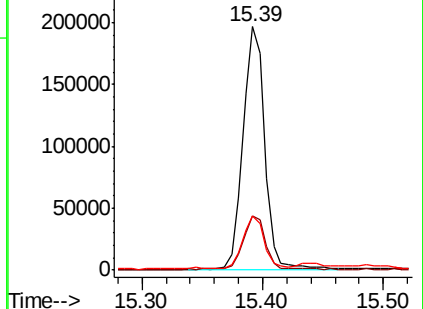
265 22.5 17.7 26.5

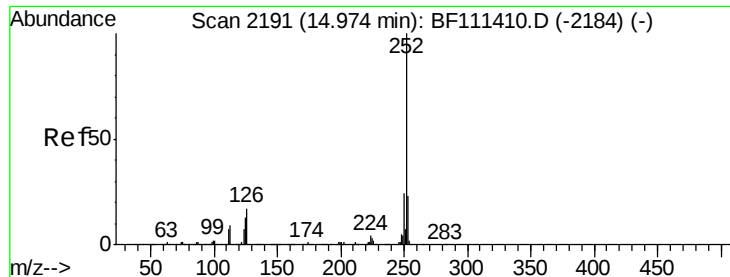


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

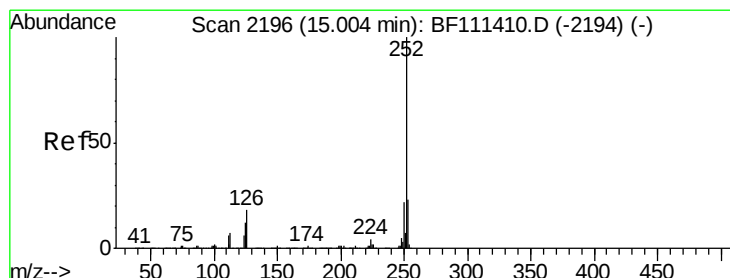
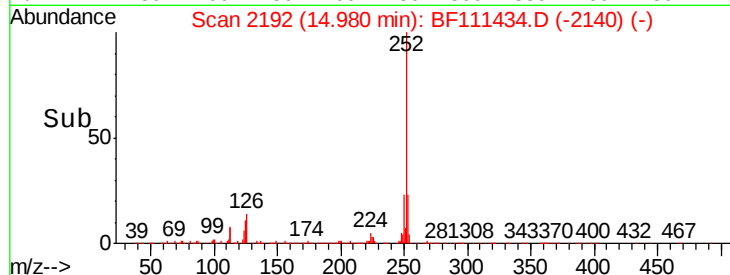
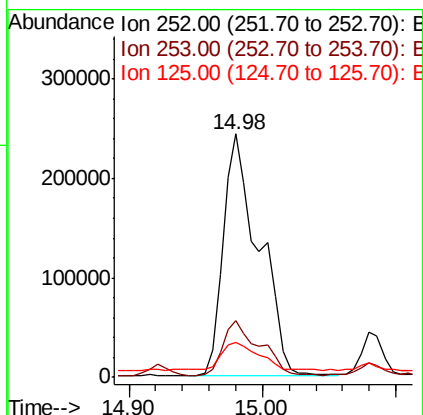
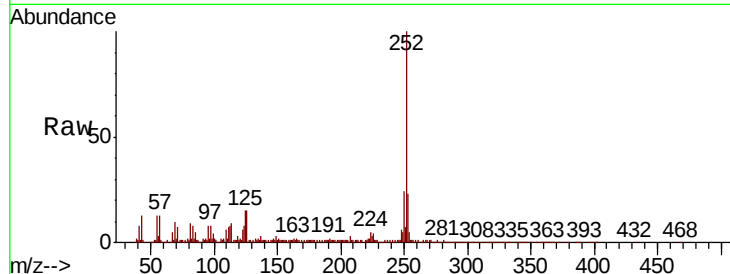




#88
Benzo(b)fluoranthene
Concen: 31.613 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

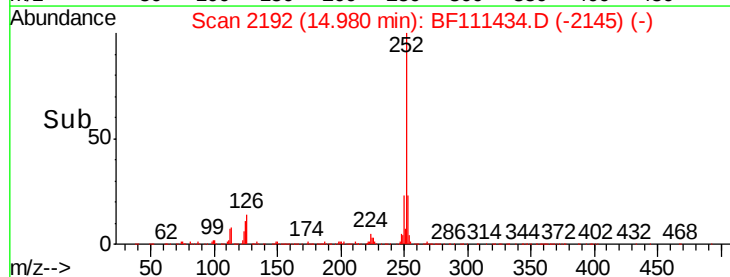
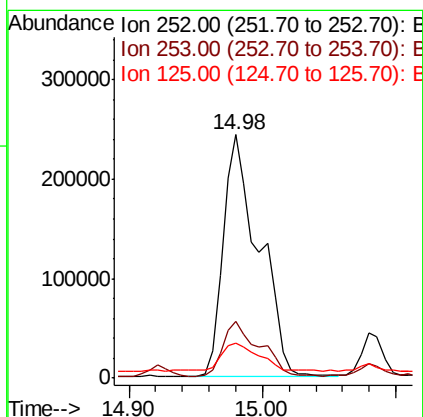
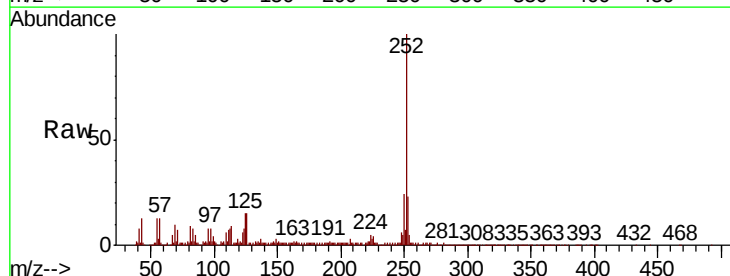
Instrument :
BNA_G
ClientSampleId :
EB07-1-2

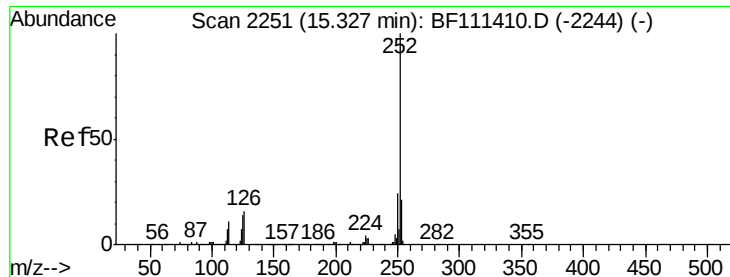
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	14.6	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 33.085 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.02 min
Lab File: BF111434.D
Acq: 14 Dec 2018 22:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	14.6	9.8	14.8





#90

Benzo(a)pyrene

Concen: 18.082 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

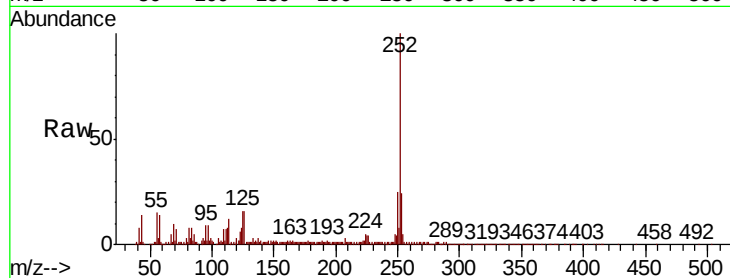
Instrument :

BNA_G

ClientSampled :

EB07-1-2

Tgt Ion:	252	Resp:	235204
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	15.8	12.3	18.5

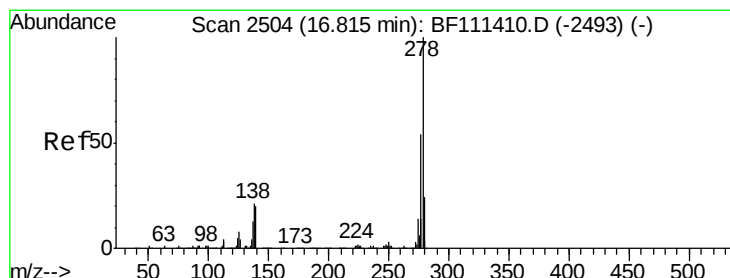
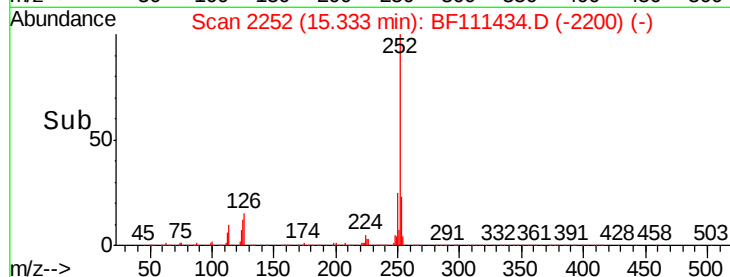
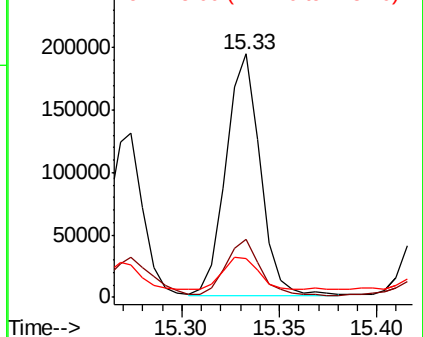


Abundance

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



#91

Dibenzo(a,h)anthracene

Concen: 3.079 ng

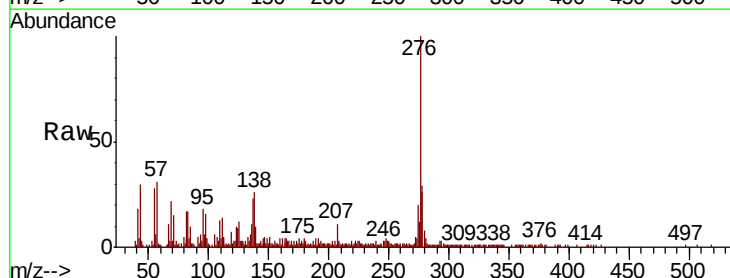
RT: 16.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Tgt Ion:	278	Resp:	31597
Ion	Ratio	Lower	Upper
278	100		
139	33.2	18.2	27.4#
279	27.8	19.0	28.6

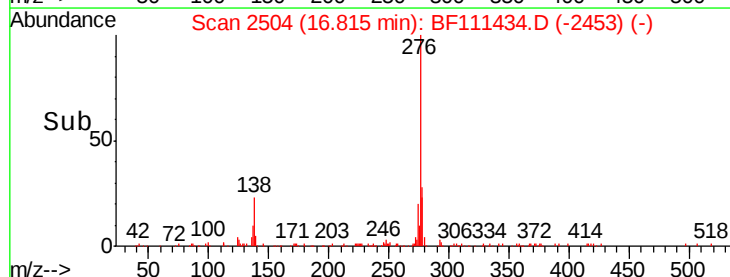
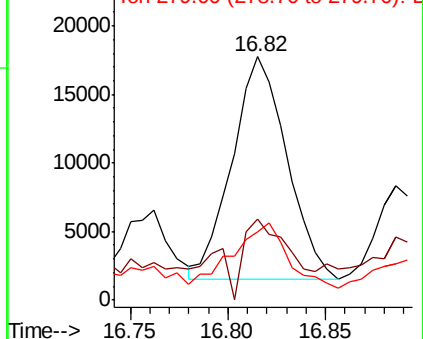


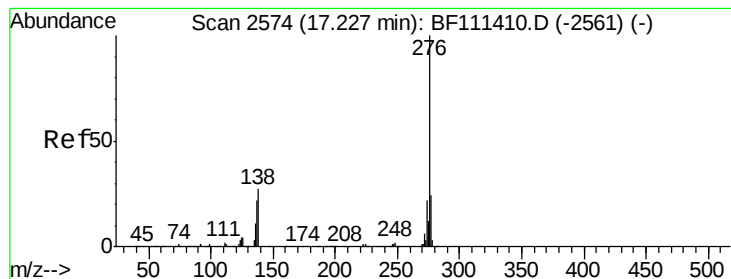
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 13.008 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BF111434.D

Acq: 14 Dec 2018 22:20

Instrument :

BNA_G

ClientSampleId :

EB07-1-2

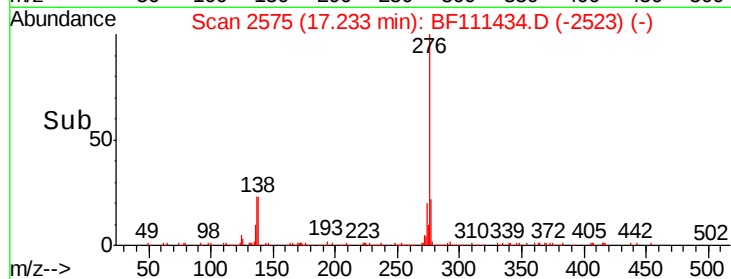
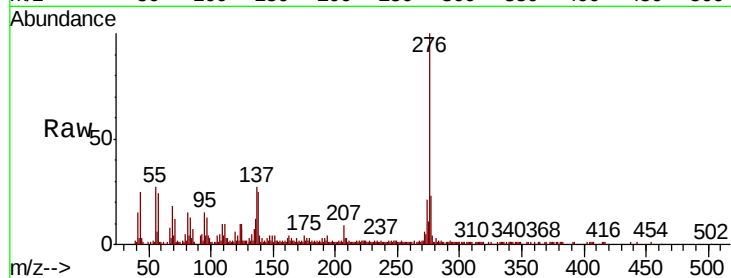
Tgt Ion: 276 Resp: 131013

Ion Ratio Lower Upper

276 100

277 23.3 19.2 28.8

138 25.0 24.9 37.3



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

