

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122018\
 Data File : BF111644.D
 Acq On : 20 Dec 2018 17:47
 Operator : JU/SJ
 Sample : J6445-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB06_12-14

Quant Time: Dec 21 06:19:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

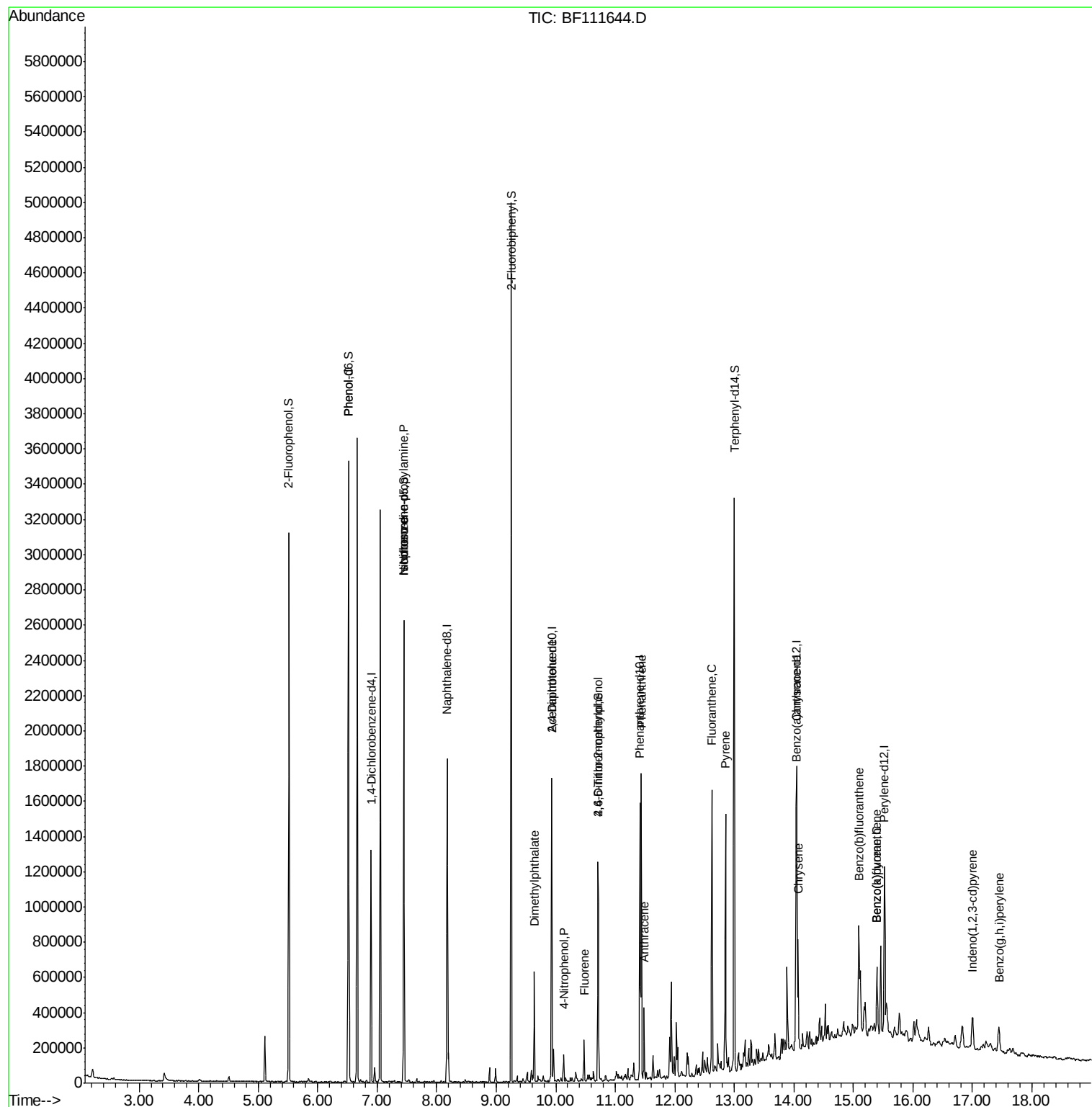
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	198606	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	737744	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	361026	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	597419	20.00	ng	0.00
76) Chrysene-d12	14.04	240	464364	20.00	ng	0.00
87) Perylene-d12	15.53	264	468522	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	769836	66.07	ng	0.00
7) Phenol-d6	6.52	99	1184428	79.88	ng	0.00
23) Nitrobenzene-d5	7.45	82	742524	58.58	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	138224	32.40	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1414787	57.12	ng	0.00
79) Terphenyl-d14	13.00	244	1148845	46.92	ng	0.00
Target Compounds						
10) Phenol	6.53	94	98277	5.874	ng	88
19) n-Nitroso-di-n-propylamine	7.45	70	100395	10.195	ng	# 76
25) Isophorone	7.45	82	742510	33.000	ng	# 64
50) Dimethylphthalate	9.64	163	216313	8.193	ng	97
56) 4-Nitrophenol	10.13	139	15042	3.511	ng	# 10
57) 2,4-Dinitrotoluene	9.93	165	46279	7.315	ng	# 24
58) Fluorene	10.47	166	57345	2.423	ng	98
65) 4,6-Dinitro-2-methylphenol	10.71	198	113	6.732	ng	# 1
71) Phenanthrene	11.44	178	645157	20.363	ng	94
72) Anthracene	11.49	178	148243	4.661	ng	94
75) Fluoranthene	12.62	202	663921	20.693	ng	95
78) Pyrene	12.85	202	569449	17.365	ng	96
81) Benzo(a)anthracene	14.03	228	301210	11.366	ng	99
83) Chrysene	14.07	228	268979	10.327	ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	131106	5.921	ng	# 83
88) Benzo(b)fluoranthene	15.09	252	460838	16.830	ng	# 96
89) Benzo(k)fluoranthene	15.40	252	159436	6.116	ng	97
90) Benzo(a)pyrene	15.40	252	165614	6.657	ng	96
92) Benzo(g,h,i)perylene	17.44	276	119552	5.620	ng	# 90

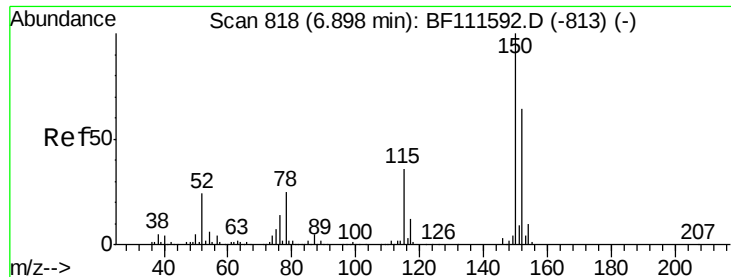
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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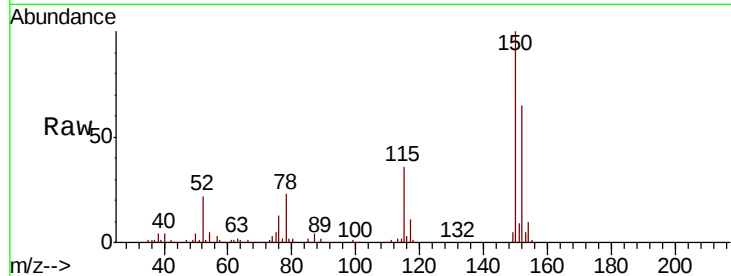


#1

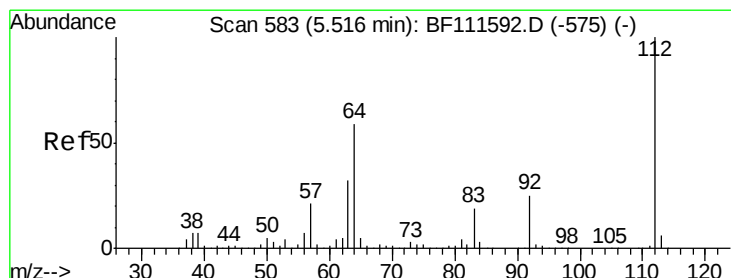
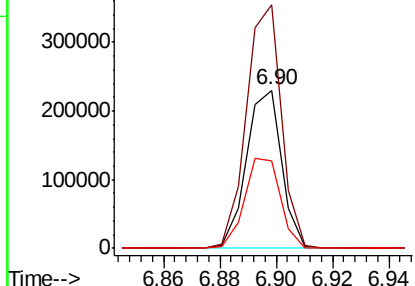
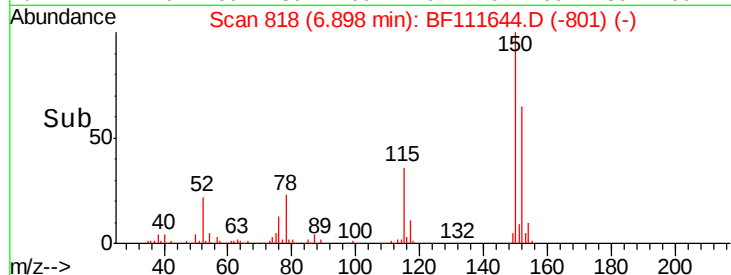
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF111644.D
 Acq: 20 Dec 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 EB06_12-14

Tgt Ion:152 Resp: 198606
 Ion Ratio Lower Upper
 152 100
 150 153.9 126.6 189.8
 115 55.5 50.7 76.1



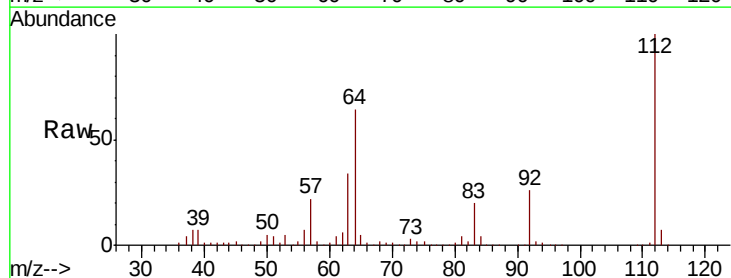
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



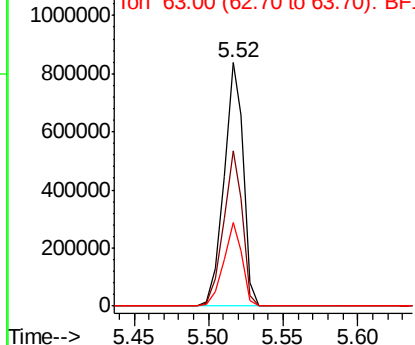
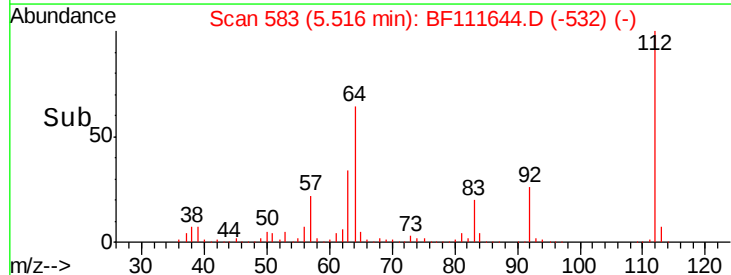
#5

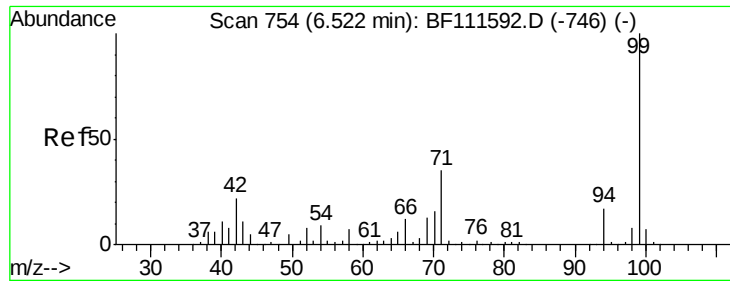
2-Fluorophenol
 Concen: 66.071 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: BF111644.D
 Acq: 20 Dec 2018 17:47

Tgt Ion:112 Resp: 769836
 Ion Ratio Lower Upper
 112 100
 64 63.6 51.8 77.6
 63 34.4 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: 79.875 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Instrument :

BNA_F

ClientSampleId :

EB06_12-14

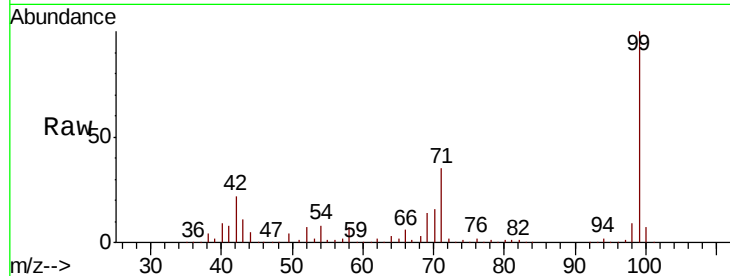
Tgt Ion: 99 Resp: 1184428

Ion Ratio Lower Upper

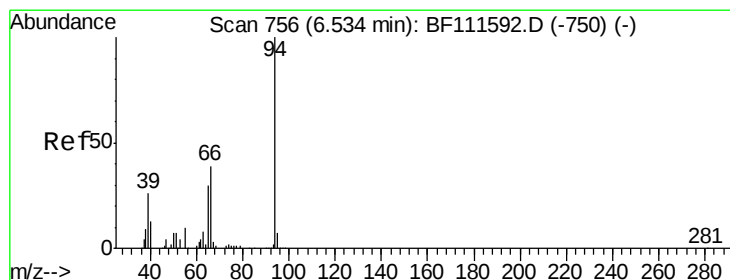
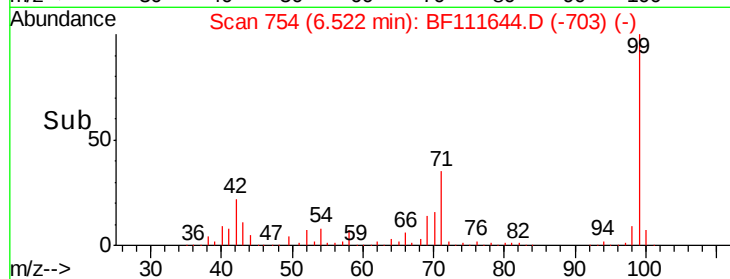
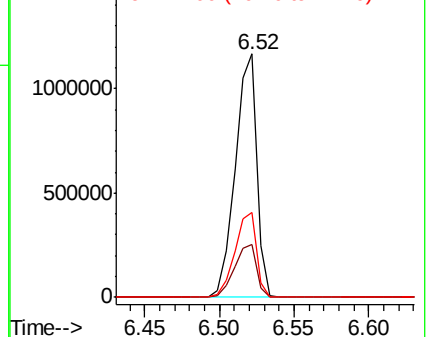
99 100

42 21.8 17.4 26.0

71 34.8 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: 5.874 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

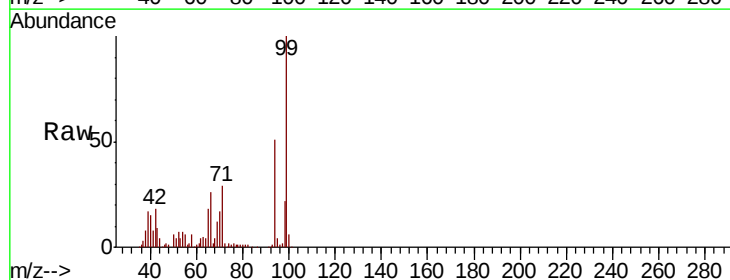
Tgt Ion: 94 Resp: 98277

Ion Ratio Lower Upper

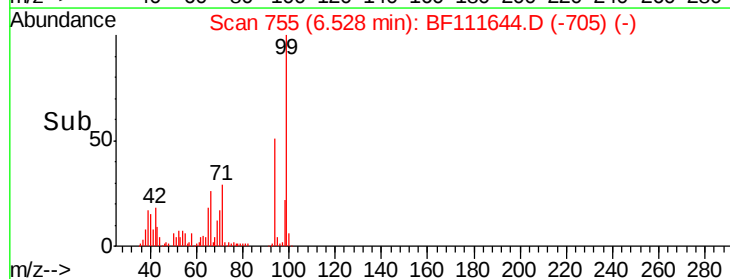
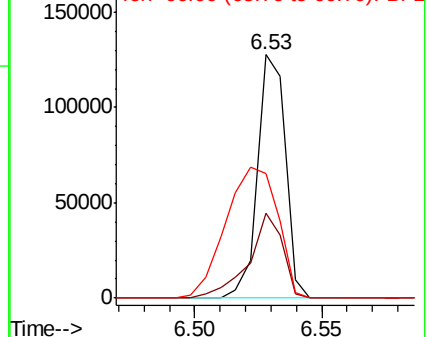
94 100

65 35.0 11.7 51.7

66 51.3 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

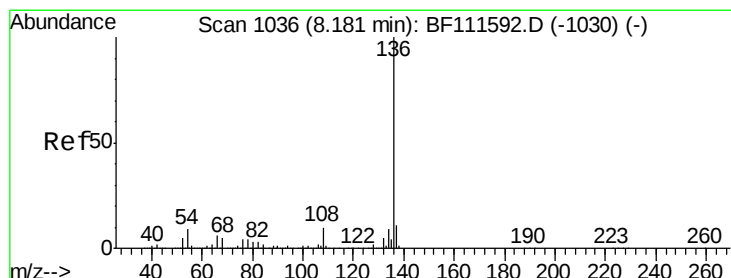
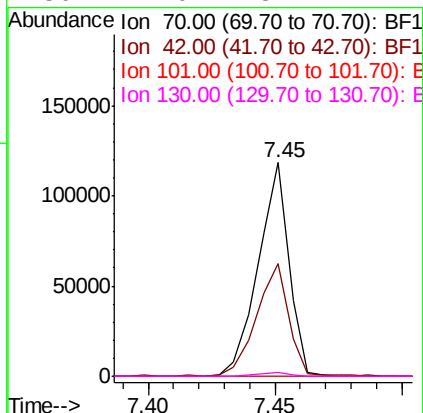
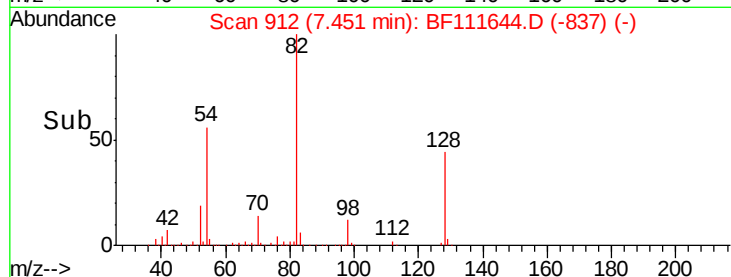
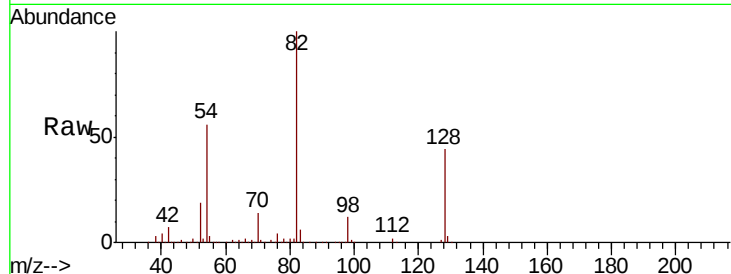




#19
n-Nitroso-di-n-propylamine
Concen: 10.195 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

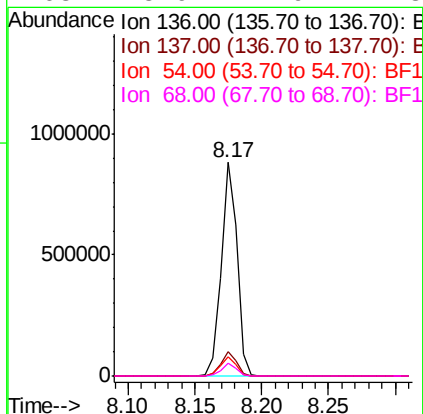
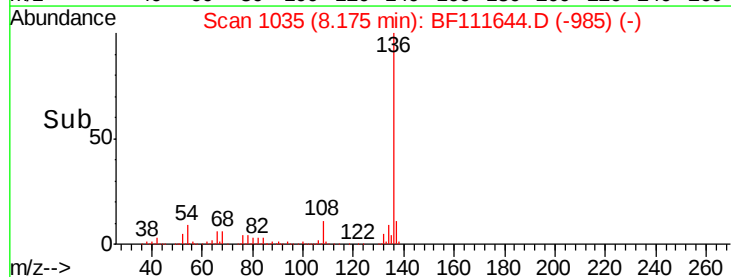
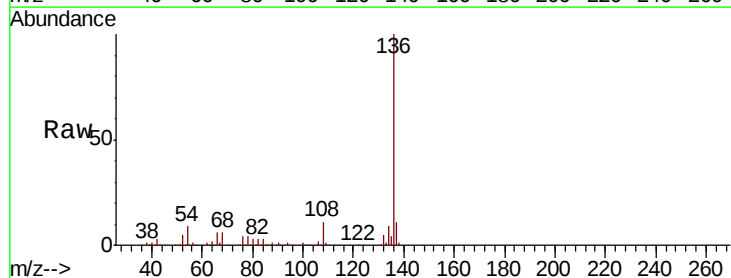
Instrument :
BNA_F
ClientSampleId :
EB06_12-14

Tgt Ion: 70 Resp: 100395
Ion Ratio Lower Upper
70 100
42 53.0 53.2 79.8#
101 0.0 8.2 12.4#
130 2.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion: 136 Resp: 737744
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 9.3 7.7 11.5
68 5.9 4.9 7.3

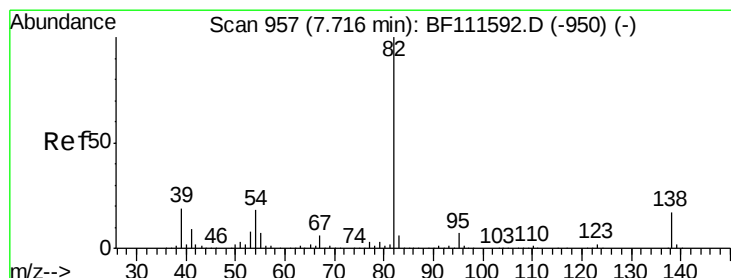
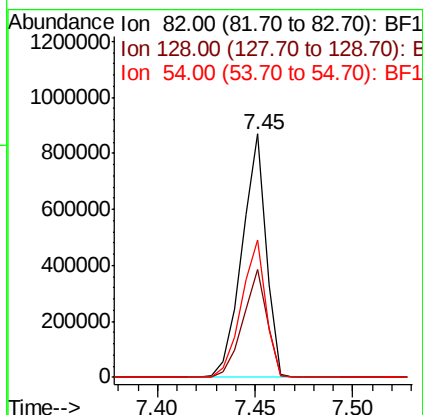
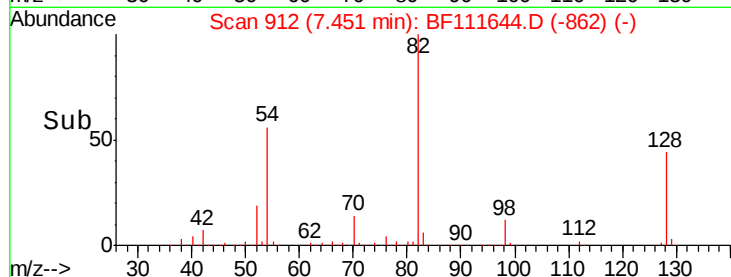
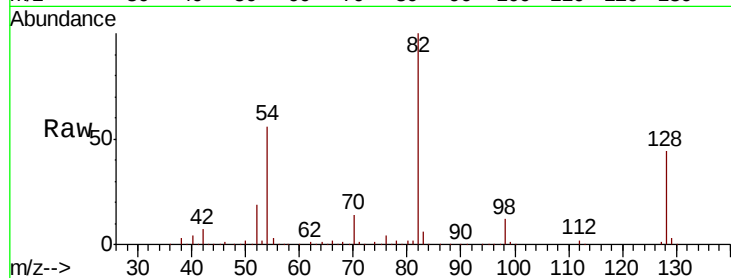




#23
Nitrobenzene-d5
Concen: 58.585 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

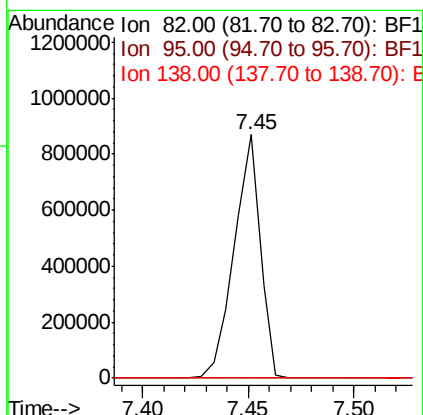
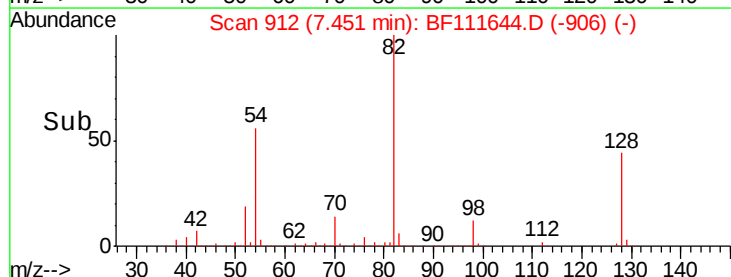
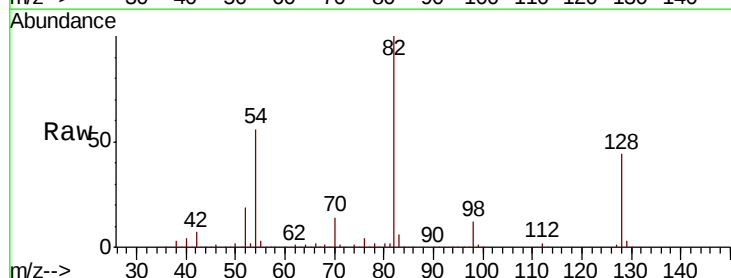
Instrument :
BNA_F
ClientSampleID :
EB06_12-14

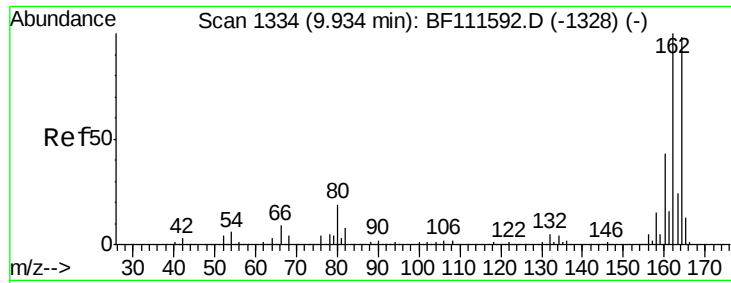
Tgt Ion: 82 Resp: 742524
Ion Ratio Lower Upper
82 100
128 44.1 37.4 56.2
54 56.4 47.6 71.4



#25
Isophorone
Concen: 33.000 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion: 82 Resp: 742510
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#

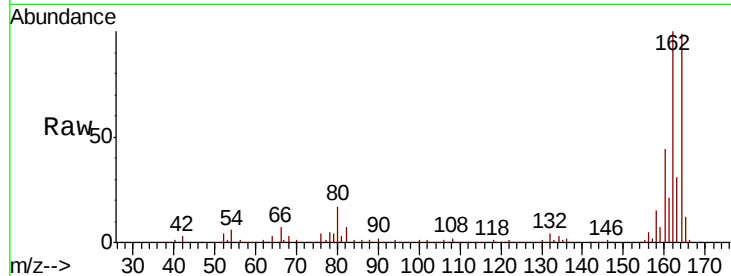




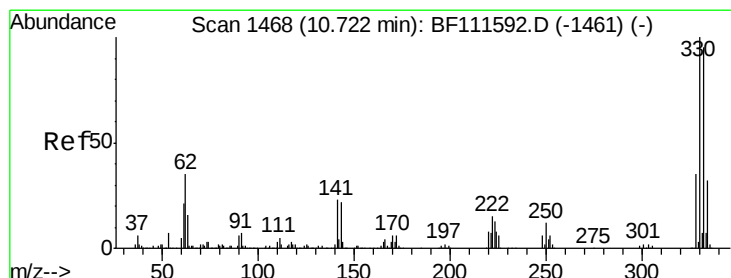
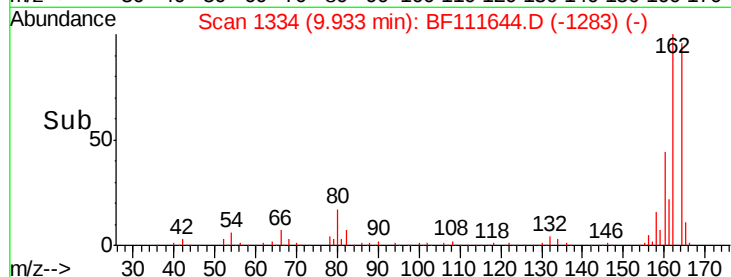
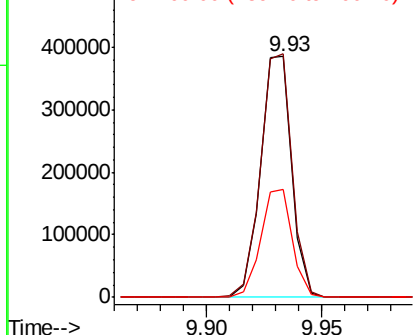
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF111644.D
 Acq: 20 Dec 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 EB06_12-14

Tgt Ion:164 Resp: 361026
 Ion Ratio Lower Upper
 164 100
 162 101.0 81.4 122.0
 160 44.7 35.7 53.5

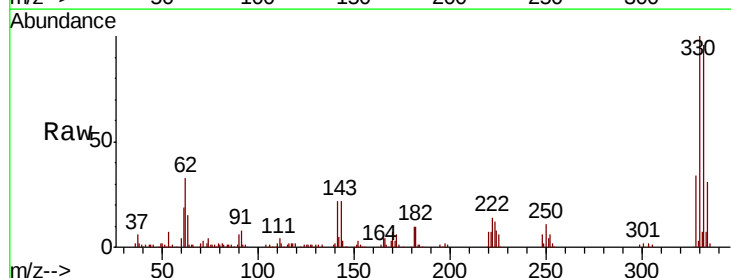


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

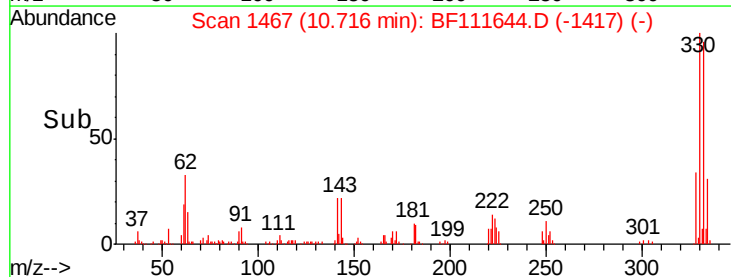
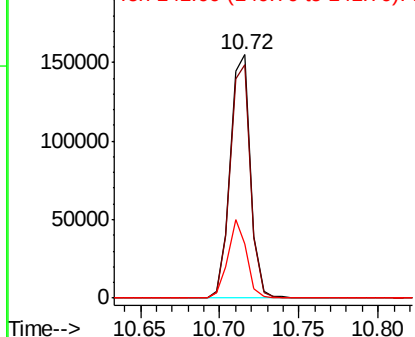


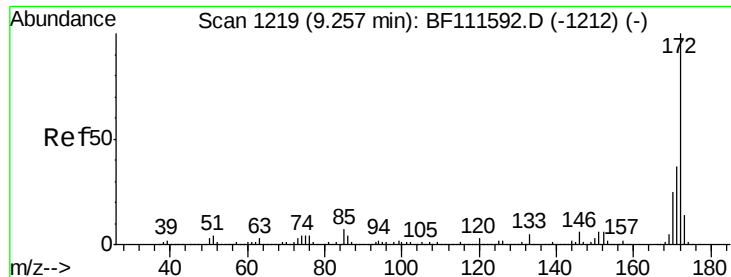
#42
 2,4,6-Tribromophenol
 Concen: 32.403 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111644.D
 Acq: 20 Dec 2018 17:47

Tgt Ion:330 Resp: 138224
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.0 114.0
 141 29.6 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

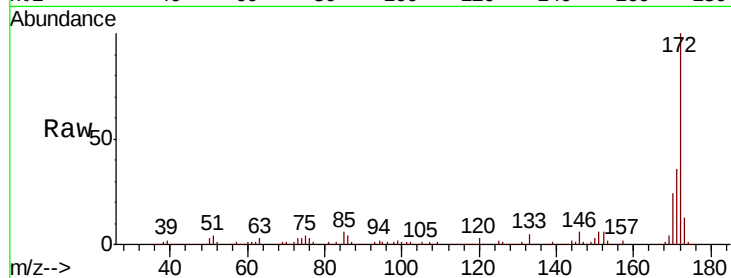




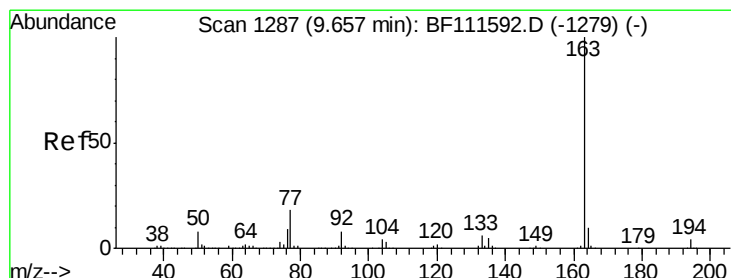
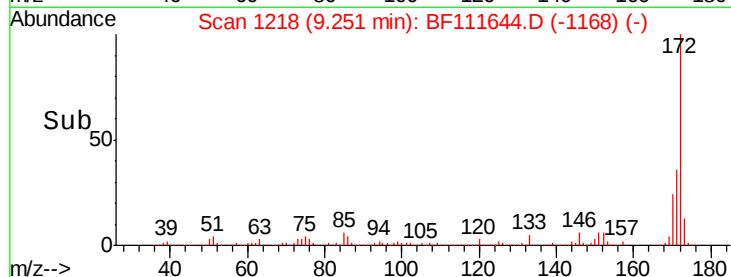
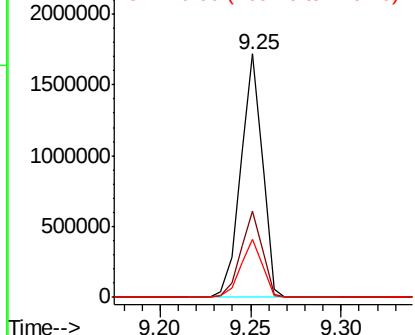
#45
2-Fluorobiphenyl
Concen: 57.119 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Instrument :
BNA_F
ClientSampleId :
EB06_12-14

Tgt Ion:172 Resp: 1414787
Ion Ratio Lower Upper
172 100
171 35.6 33.0 49.4
170 23.8 22.3 33.5

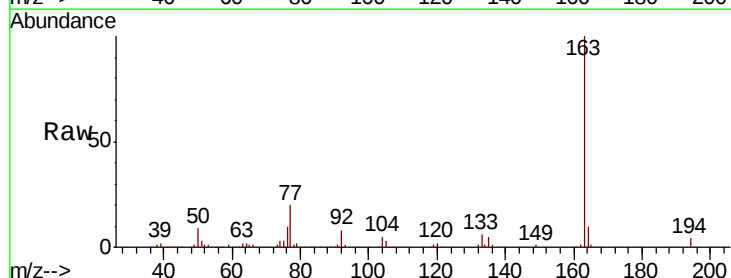


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

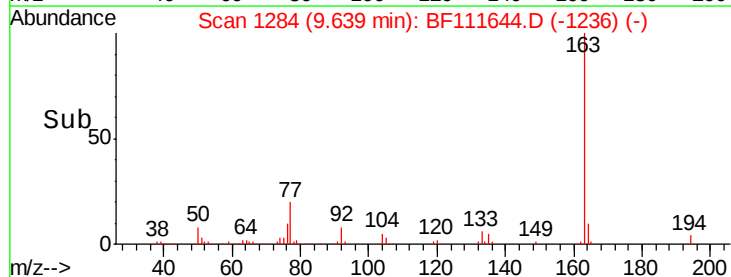
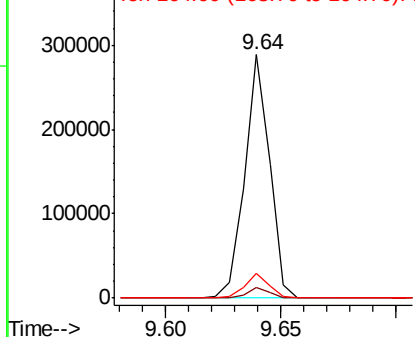


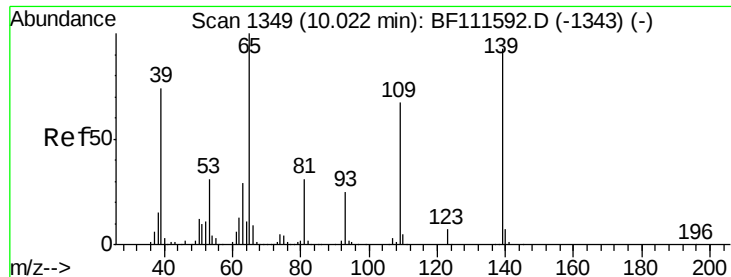
#50
Dimethylphthalate
Concen: 8.193 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion:163 Resp: 216313
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 9.9 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

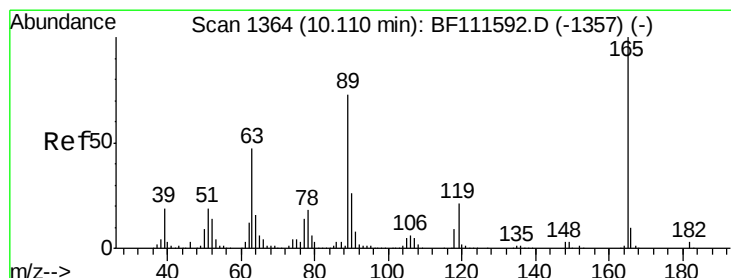
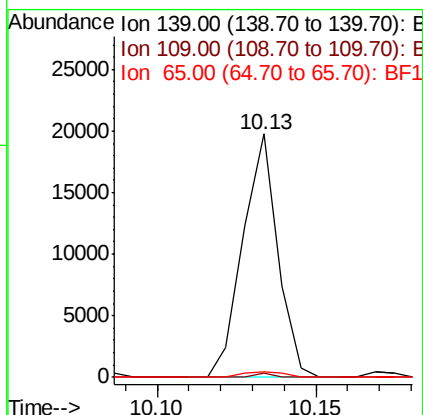
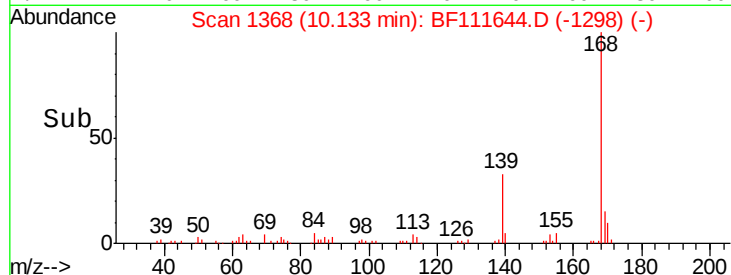
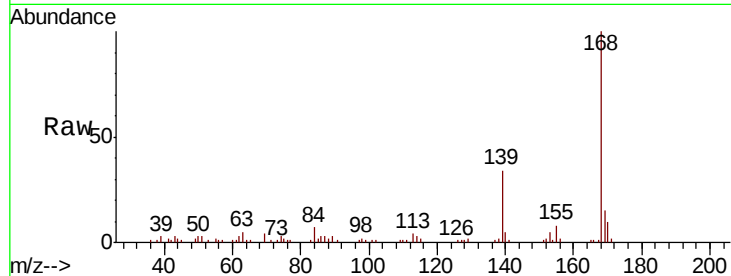




#56
4-Nitrophenol
Concen: 3.511 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.11 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

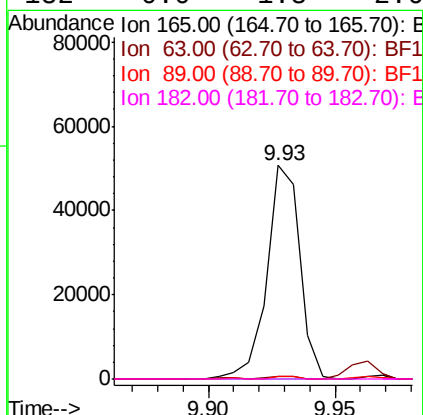
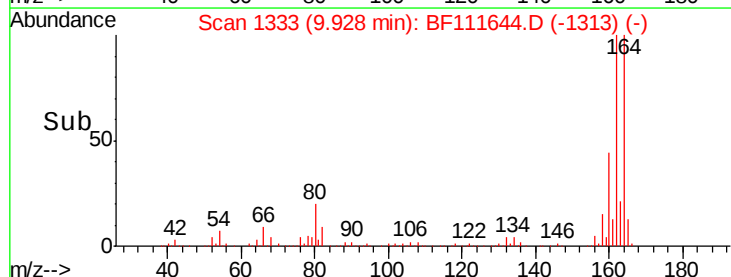
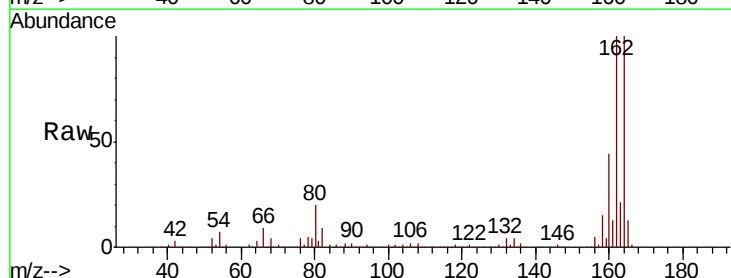
Instrument :
BNA_F
ClientSampleId :
EB06_12-14

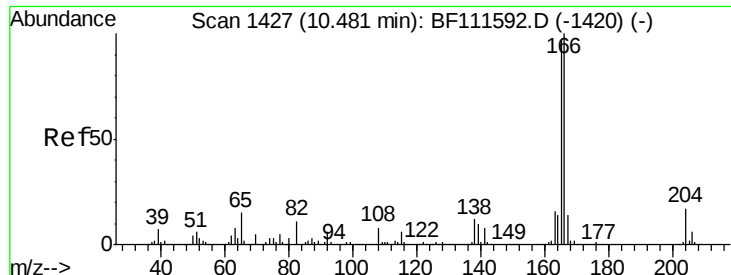
Tgt Ion:139 Resp: 15042
Ion Ratio Lower Upper
139 100
109 1.6 41.8 81.8#
65 2.4 79.6 119.6#



#57
2,4-Dinitrotoluene
Concen: 7.315 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.18 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion:165 Resp: 46279
Ion Ratio Lower Upper
165 100
63 1.2 34.6 52.0#
89 1.4 56.2 84.4#
182 0.0 1.8 2.6#





#58

Fluorene

Concen: 2.423 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Instrument :

BNA_F

ClientSampleId :

EB06_12-14

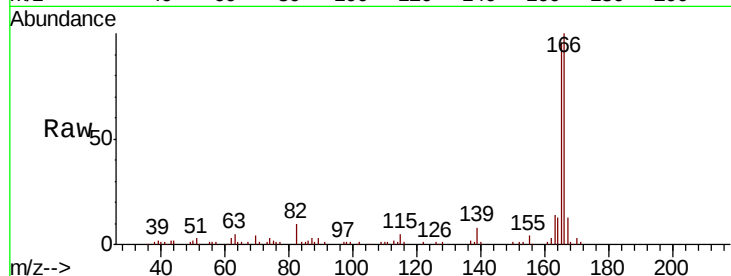
Tgt Ion:166 Resp: 57345

Ion Ratio Lower Upper

166 100

165 96.1 78.4 117.6

167 13.0 11.2 16.8

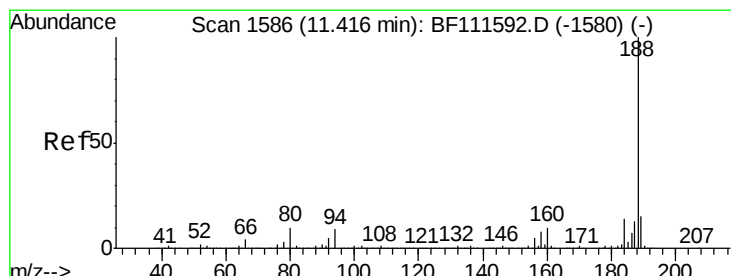
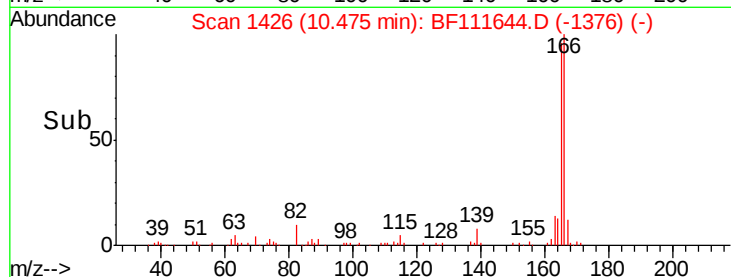
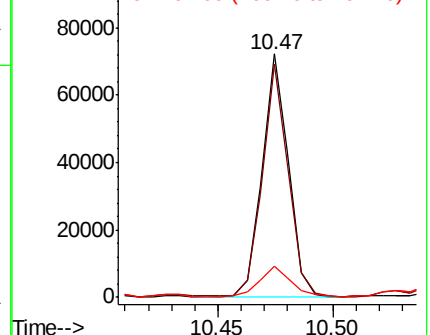


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

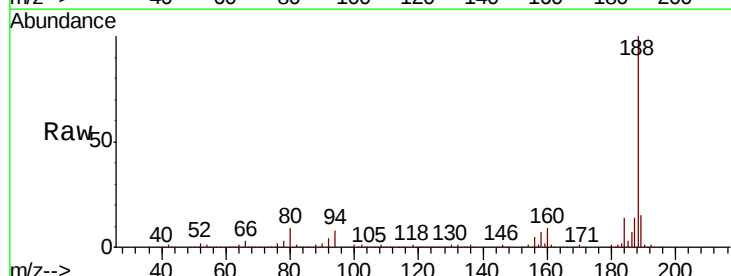
Tgt Ion:188 Resp: 597419

Ion Ratio Lower Upper

188 100

94 7.8 9.6 14.4#

80 8.7 9.8 14.6#

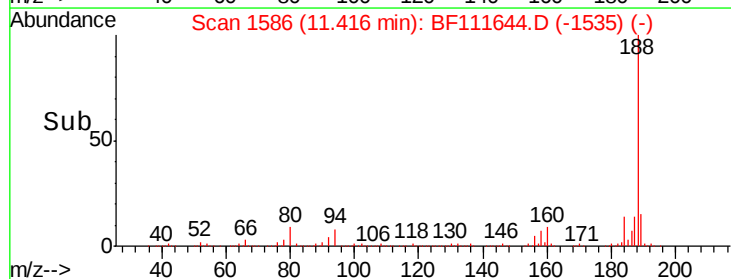
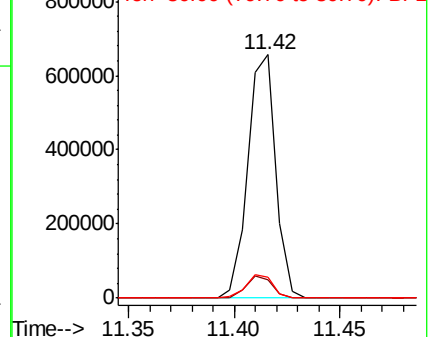


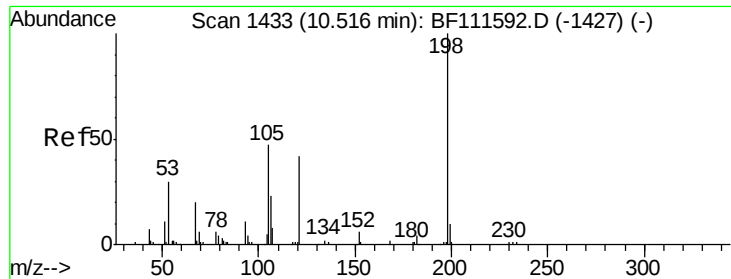
Abundance

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

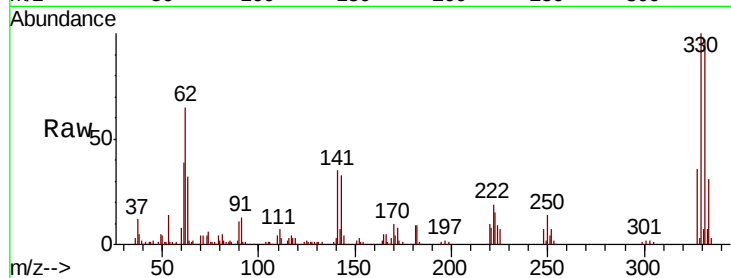




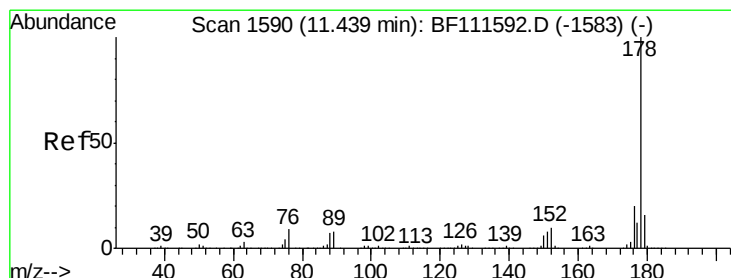
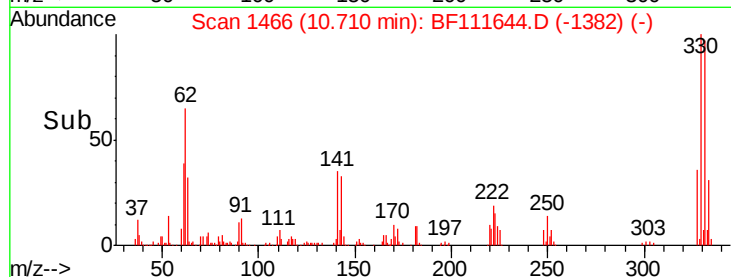
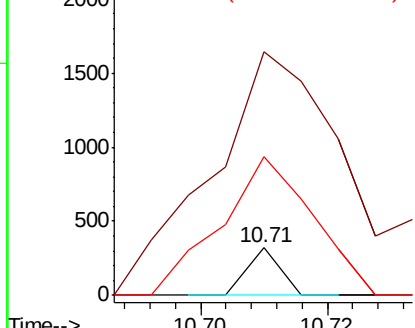
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.732 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF111644.D
 Acq: 20 Dec 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 EB06_12-14

Tgt Ion:198 Resp: 113
 Ion Ratio Lower Upper
 198 100
 51 511.8 48.0 88.0#
 105 291.6 34.0 74.0#

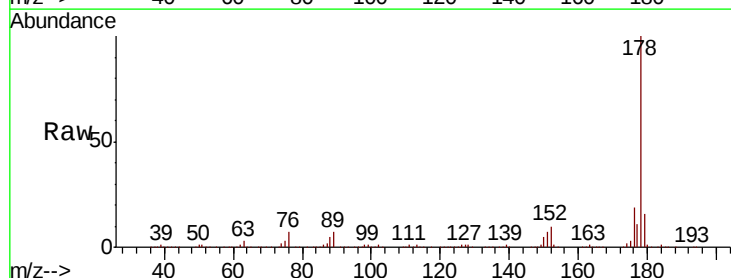


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

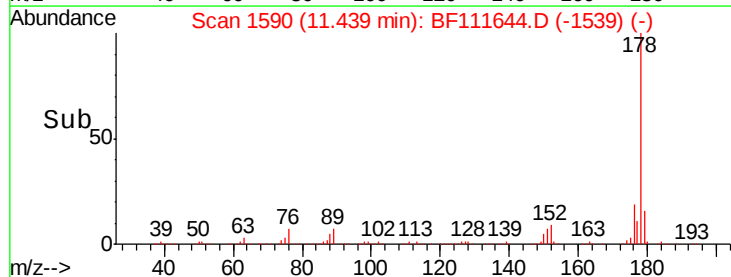
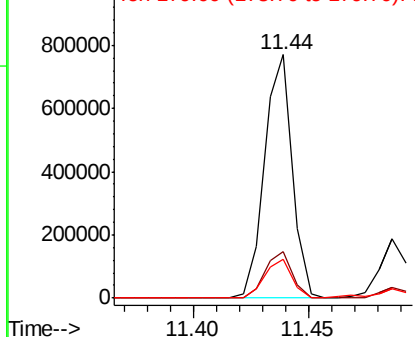


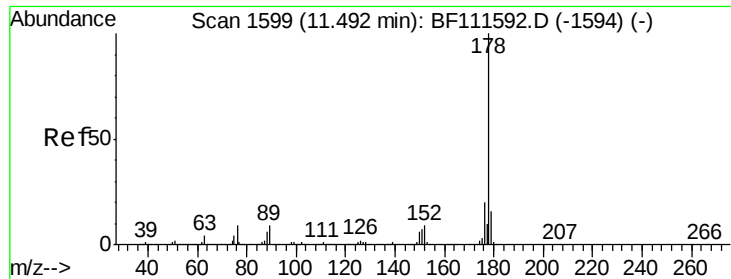
#71
 Phenanthrene
 Concen: 20.363 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: BF111644.D
 Acq: 20 Dec 2018 17:47

Tgt Ion:178 Resp: 645157
 Ion Ratio Lower Upper
 178 100
 176 19.3 18.1 27.1
 179 15.8 14.0 21.0



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: 4.661 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Instrument :

BNA_F

ClientSampled :

EB06_12-14

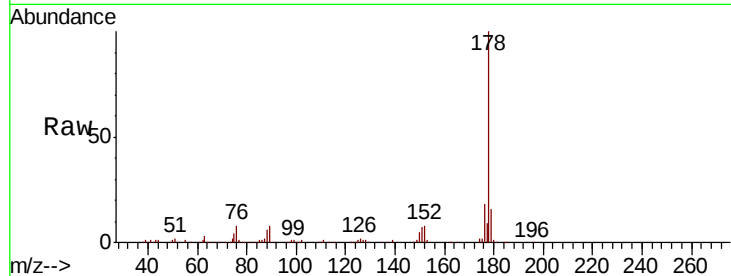
Tgt Ion:178 Resp: 148243

Ion Ratio Lower Upper

178 100

176 17.6 17.2 25.8

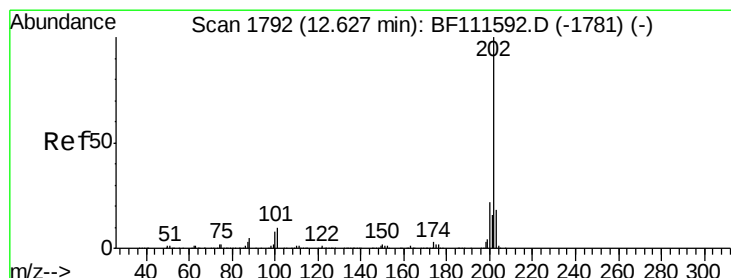
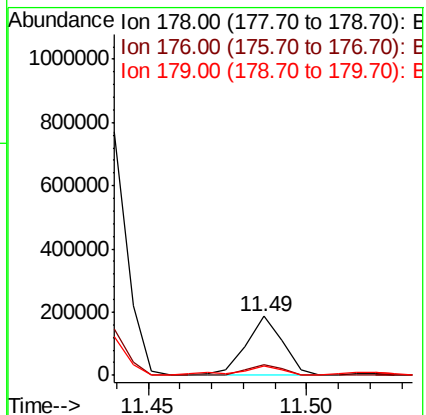
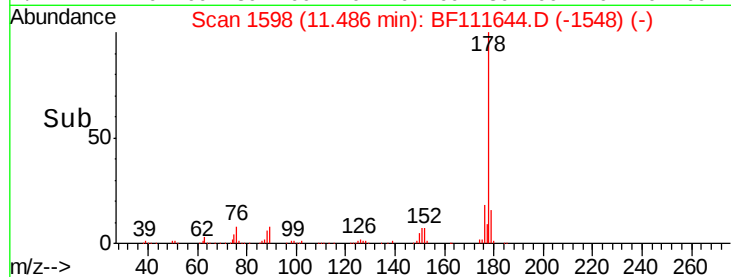
179 15.5 13.8 20.8



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: 20.693 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

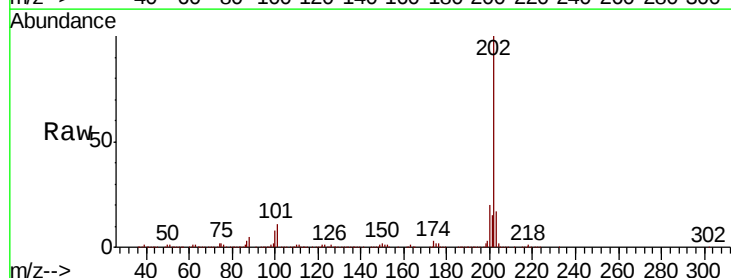
Tgt Ion:202 Resp: 663921

Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.8

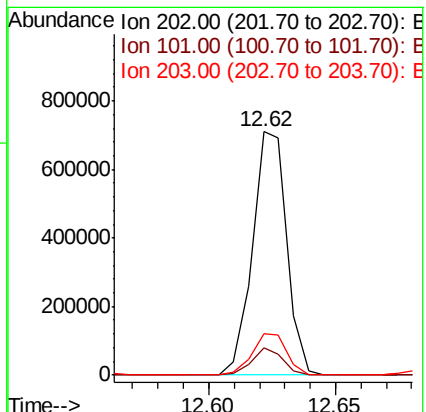
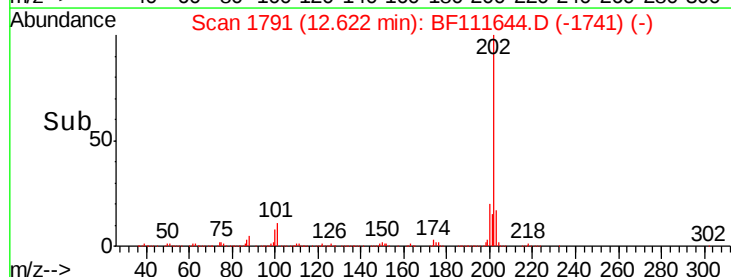
203 16.9 0.0 38.6

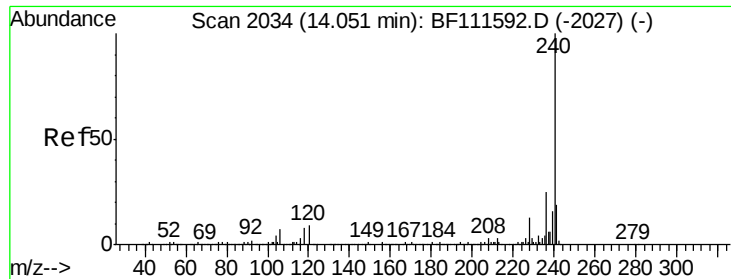


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

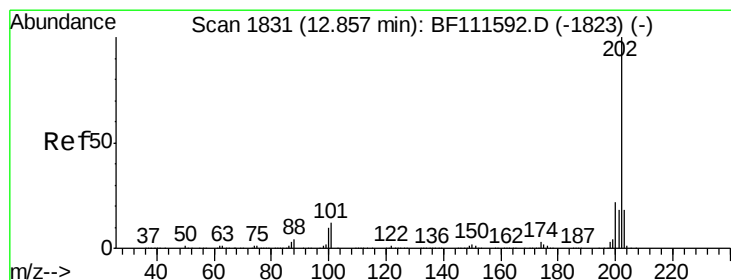
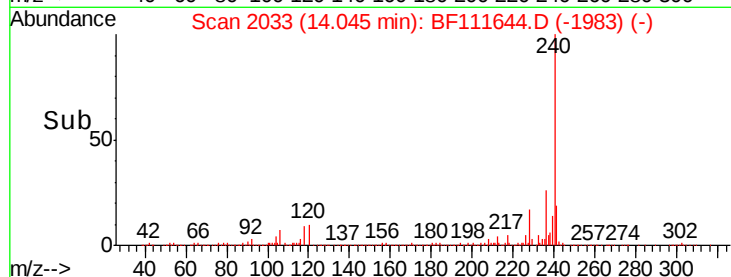
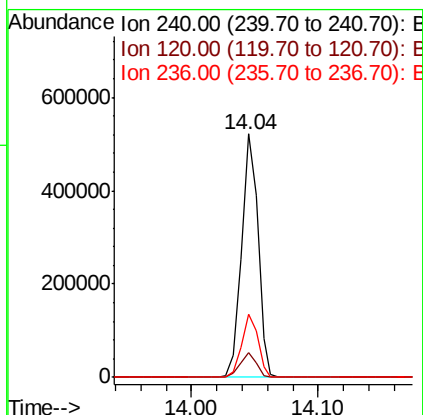
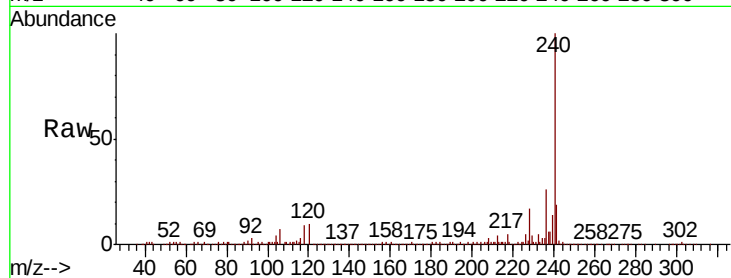




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

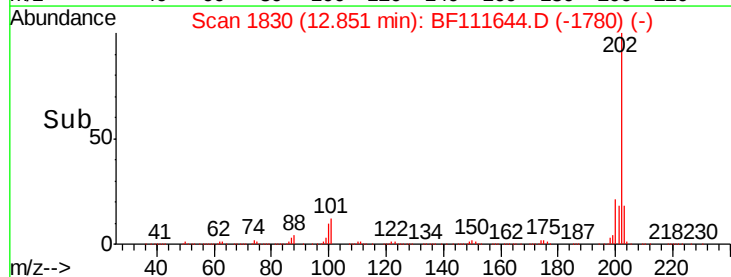
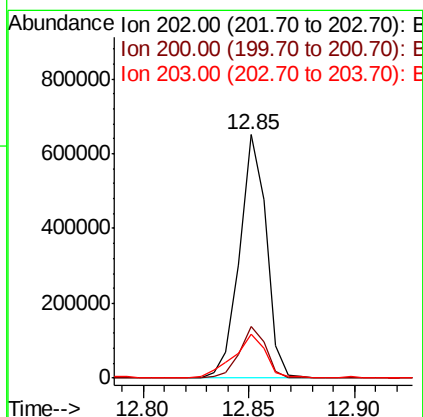
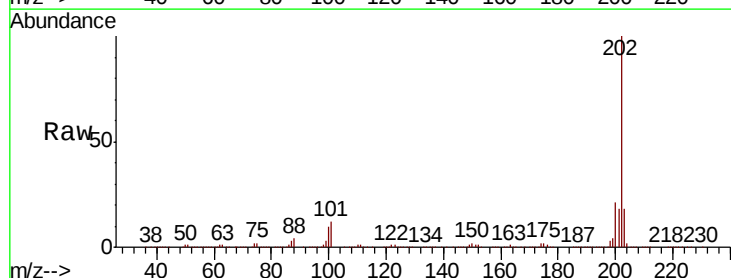
Instrument :
BNA_F
ClientSampleId :
EB06_12-14

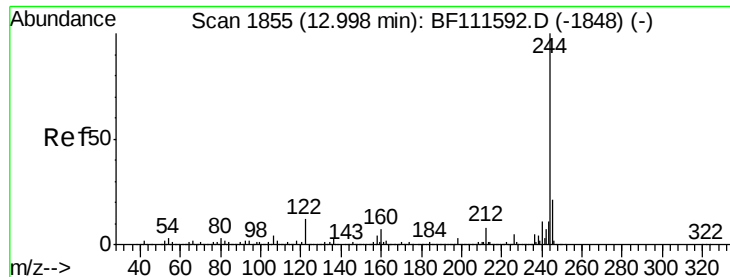
Tgt Ion:240 Resp: 464364
Ion Ratio Lower Upper
240 100
120 10.0 12.2 18.2#
236 25.8 20.2 30.2



#78
Pyrene
Concen: 17.365 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion:202 Resp: 569449
Ion Ratio Lower Upper
202 100
200 21.2 19.0 28.4
203 18.2 15.2 22.8





#79

Terphenyl-d14

Concen: 46.918 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Instrument :

BNA_F

ClientSampleId :

EB06_12-14

Tgt Ion:244 Resp: 1148845

Ion Ratio Lower Upper

244 100

212 6.5

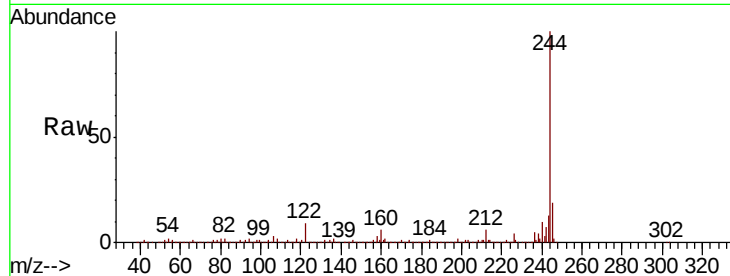
122 9.1

5.7

8.5

13.1

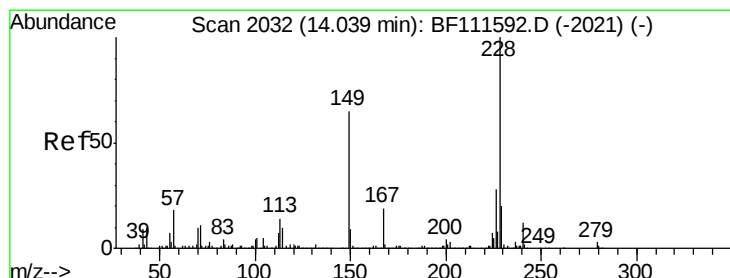
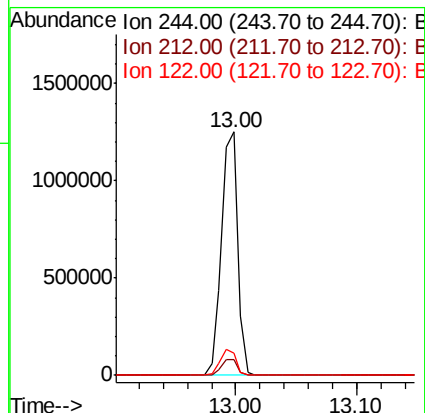
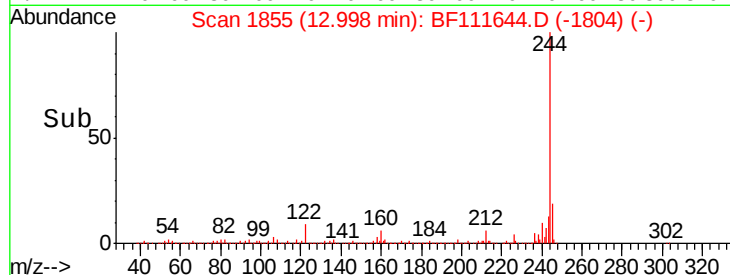
19.7#



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: 11.366 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Tgt Ion:228 Resp: 301210

Ion Ratio Lower Upper

228 100

226 28.8

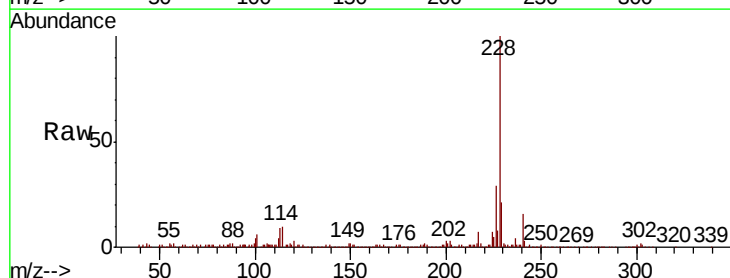
229 21.3

22.6

34.0

16.3

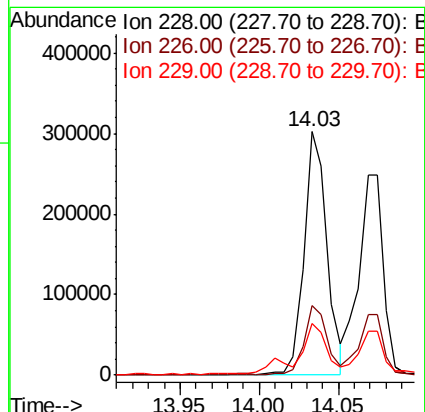
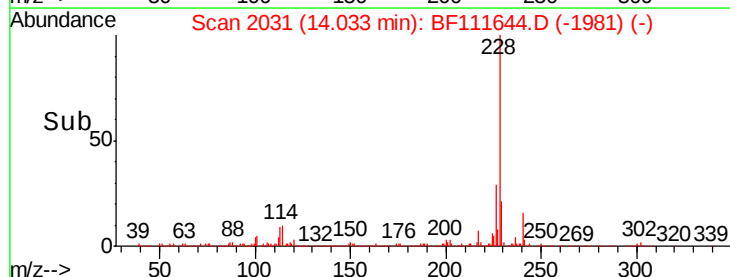
24.5

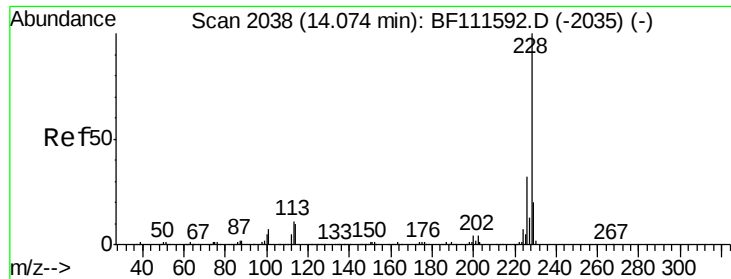


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 10.327 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Instrument :

BNA_F

ClientSampleId :

EB06_12-14

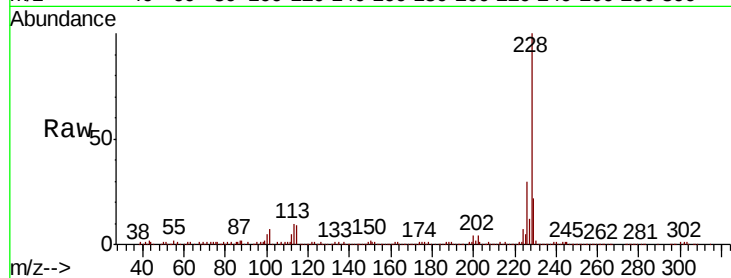
Tgt Ion:228 Resp: 268979

Ion Ratio Lower Upper

228 100

226 30.0 25.3 37.9

229 22.1 17.2 25.8

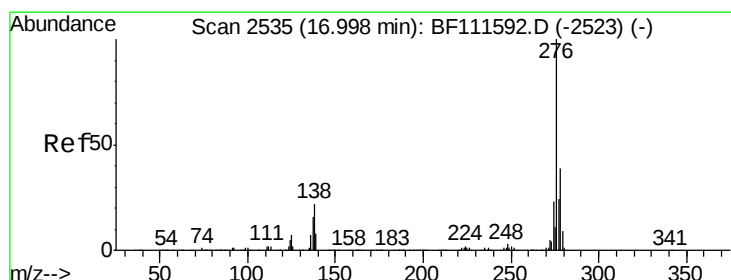
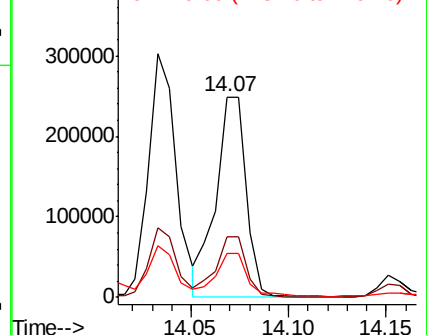
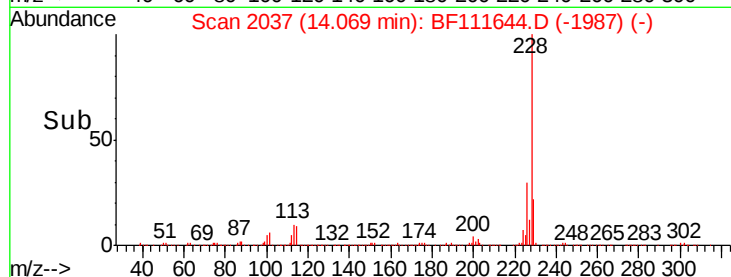


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.921 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.00 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

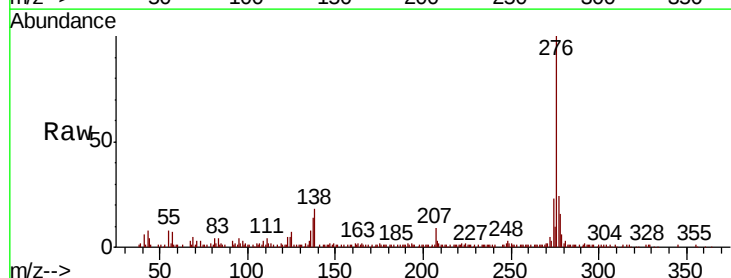
Tgt Ion:276 Resp: 131106

Ion Ratio Lower Upper

276 100

138 18.9 27.8 41.6#

277 24.2 20.1 30.1

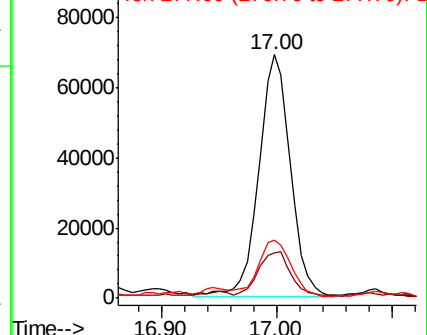
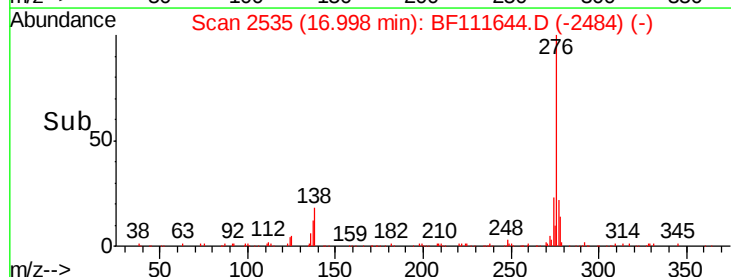


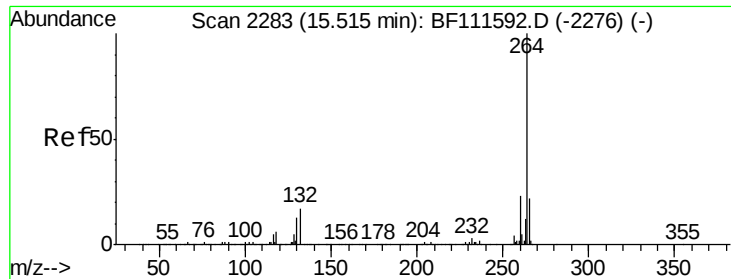
Abundance

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: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Instrument :

BNA_F

ClientSampleId :

EB06_12-14

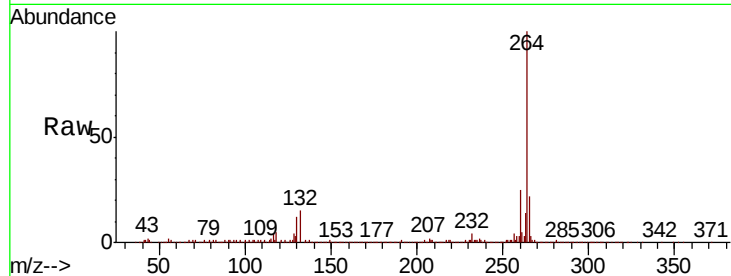
Tgt Ion:264 Resp: 468522

Ion Ratio Lower Upper

264 100

260 24.8 18.3 27.5

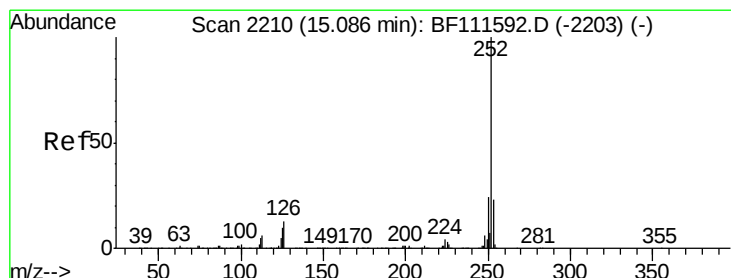
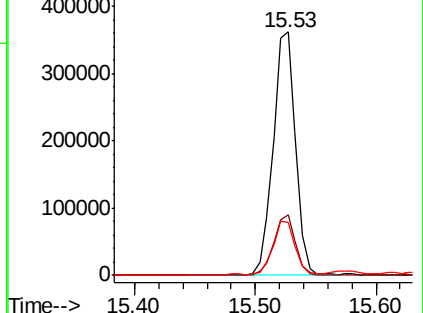
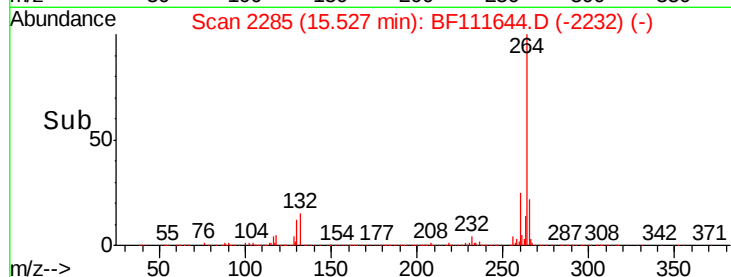
265 21.9 17.7 26.5



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: 16.830 ng

RT: 15.09 min Scan# 2211

Delta R.T. 0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

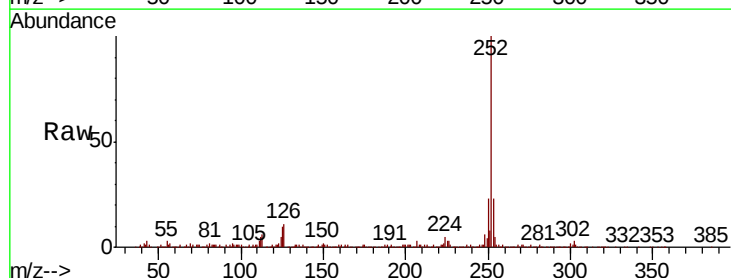
Tgt Ion:252 Resp: 460838

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

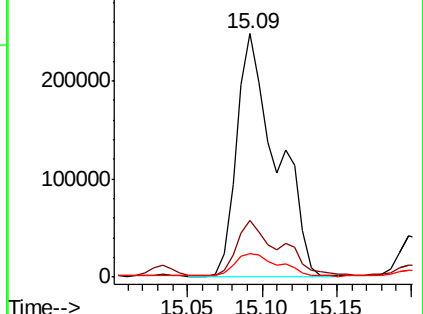
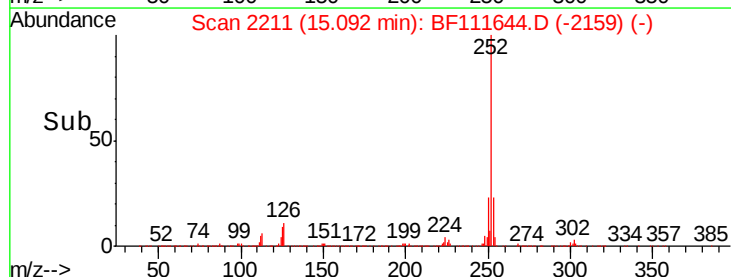
125 9.8 10.4 15.6#

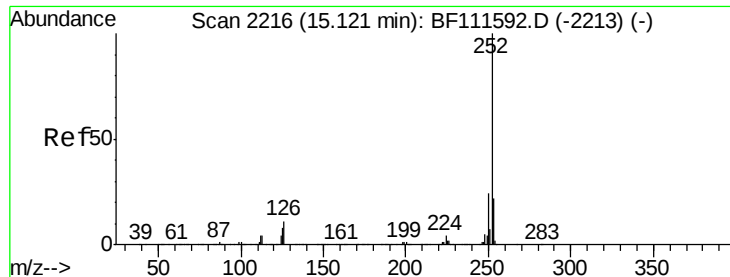


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

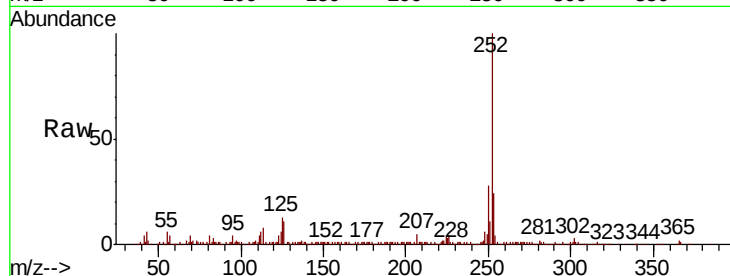




#89
Benzo(k)fluoranthene
Concen: 6.116 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.28 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Instrument :
BNA_F
ClientSampleId :
EB06_12-14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	13.1	9.8	14.8

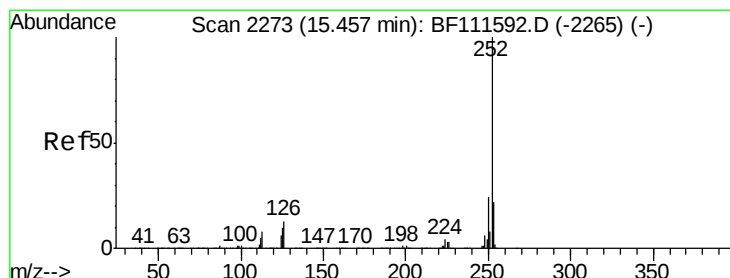
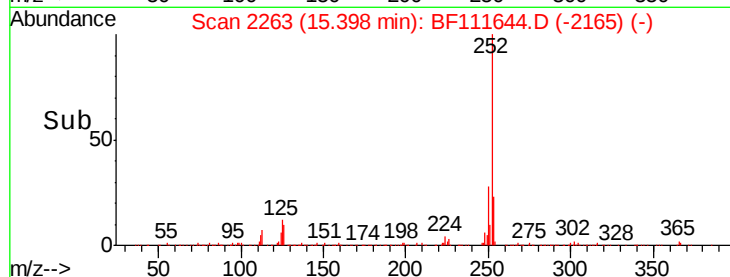
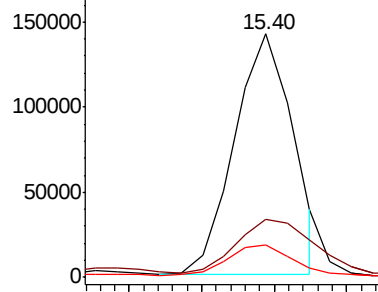


Abundance

Ion 252.00 (251.70 to 252.70): E

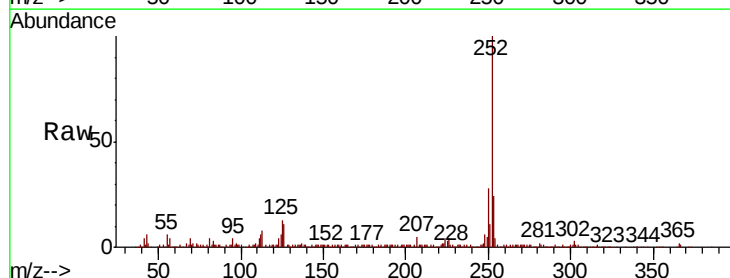
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 6.657 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.06 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	13.1	12.3	18.5

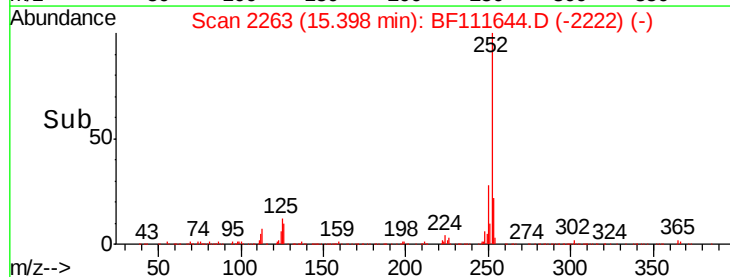
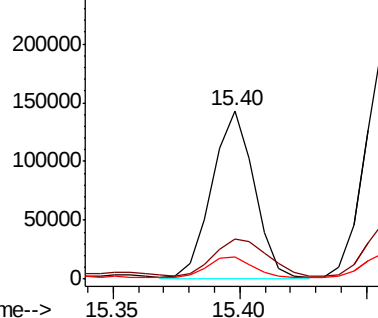


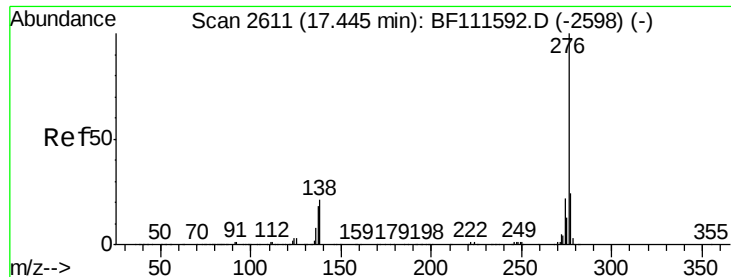
Abundance

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





#92
 Benzo(g,h,i)perylene
 Concen: 5.620 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: BF111644.D
 Acq: 20 Dec 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 EB06_12-14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	21.6	24.9	37.3#

