

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102442.D
 Acq On : 25 Jan 2018 23:45
 Operator : SJ/JU
 Sample : J1236-02RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 01:34:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	149330	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	599133	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	248313	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	356596	20.00	ng	0.00
75) Chrysene-d12	13.88	240	282271	20.00	ng	0.00
86) Perylene-d12	15.31	264	246212	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	215965	21.93	ng	0.01
7) Phenol-d6	6.36	99	949470	79.97	ng	0.00
23) Nitrobenzene-d5	7.29	82	724806	69.52	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	16022	6.51	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1084475	64.22	ng	0.00
78) Terphenyl-d14	12.82	244	745301	59.52	ng	0.00

Target Compounds

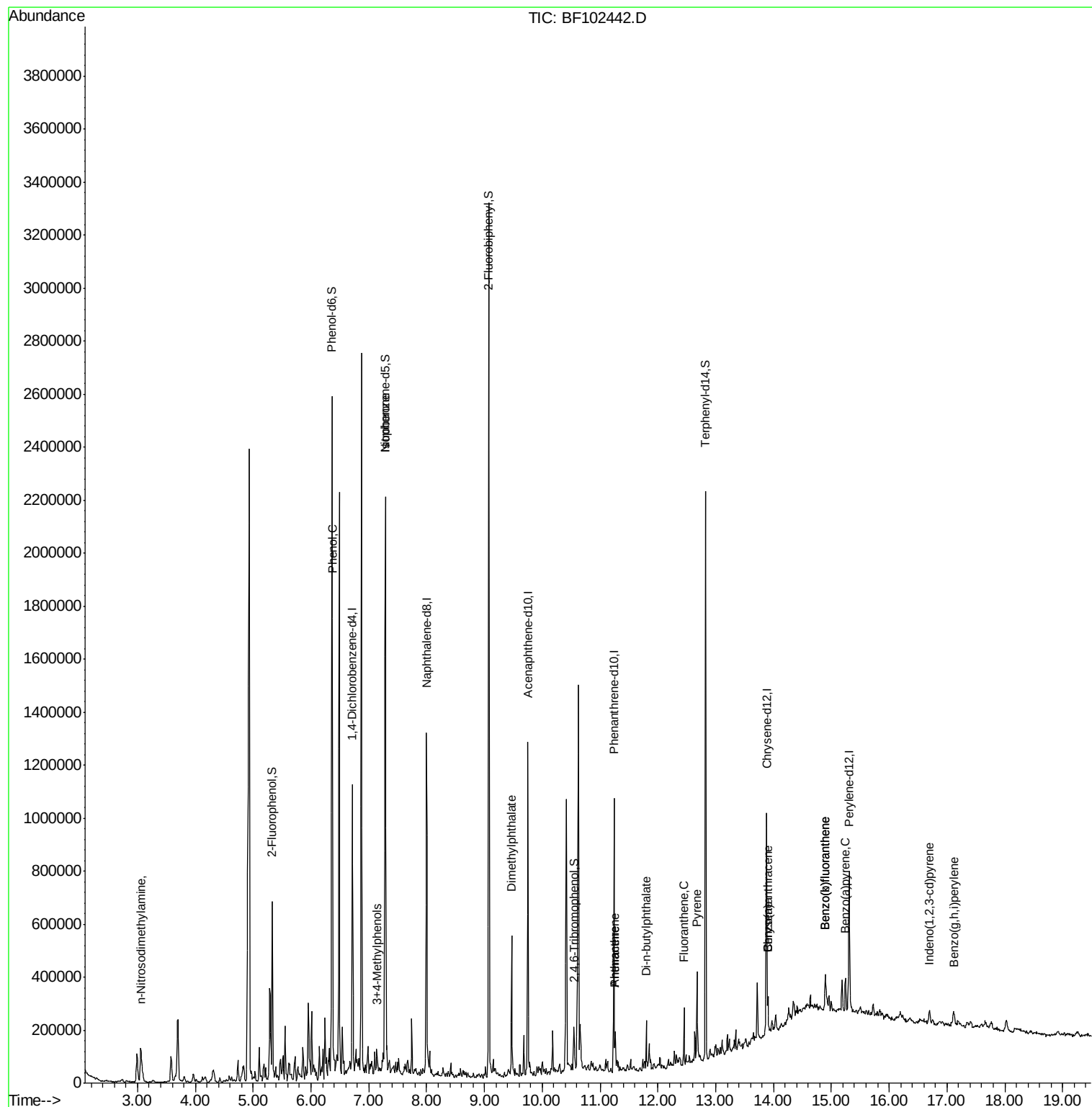
						Qvalue
4) n-Nitrosodimethylamine	3.06	42	10115	2.110	ng	# 1
10) Phenol	6.37	94	86831	6.699	ng	95
20) 3+4-Methylphenols	7.14	107	34277	3.250	ng	91
25) Isophorone	7.29	82	723516	38.927	ng	# 64
49) Dimethylphthalate	9.47	163	193303	9.418	ng	99
70) Phenanthrene	11.26	178	49226	2.369	ng	99
71) Anthracene	11.26	178	49226	2.321	ng	98
73) Di-n-butylphthalate	11.80	149	82480	3.189	ng	98
74) Fluoranthene	12.45	202	81048	3.825	ng	97
77) Pyrene	12.68	202	152618	6.993	ng	97
80) Benzo(a)anthracene	13.90	228	53299	3.067	ng	93
82) Chrysene	13.90	228	53299	3.020	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	33434	2.294	ng	96
87) Benzo(b)fluoranthene	14.90	252	83824	5.253	ng	# 89
88) Benzo(k)fluoranthene	14.90	252	83824	5.560	ng	# 92
89) Benzo(a)pyrene	15.24	252	56664	3.937	ng	# 95
91) Benzo(a,h,i)perylene	17.12	276	44993	3.908	ng	# 87

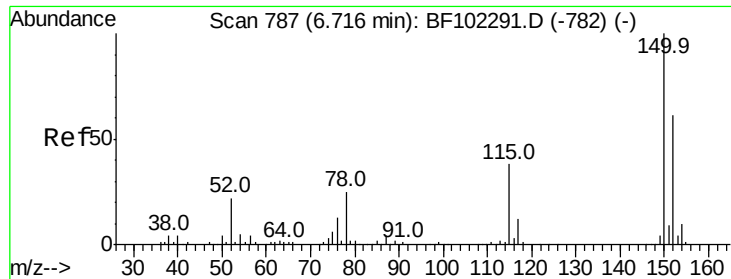
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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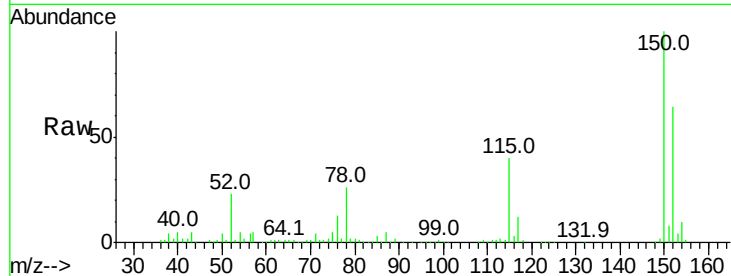


#1

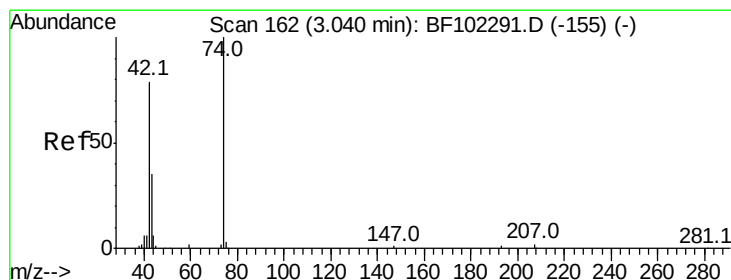
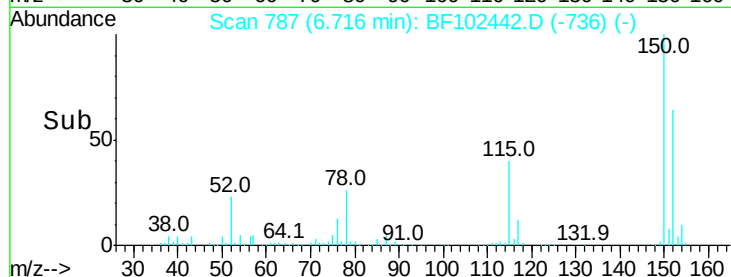
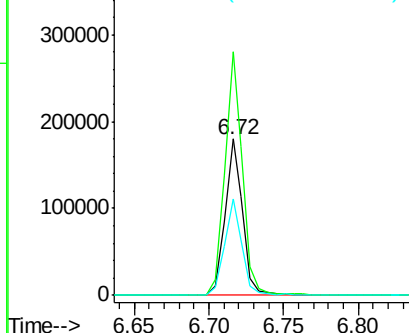
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102442.D
Acq: 25 Jan 2018 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149330
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 61.8 50.1 75.1



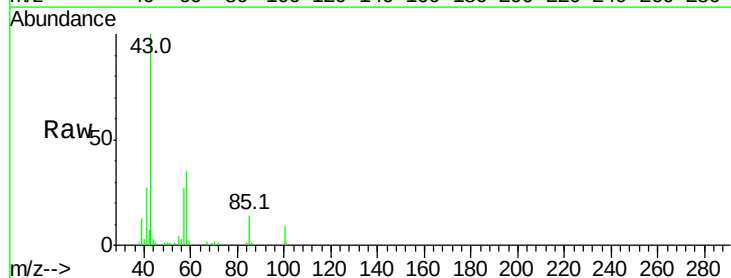
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



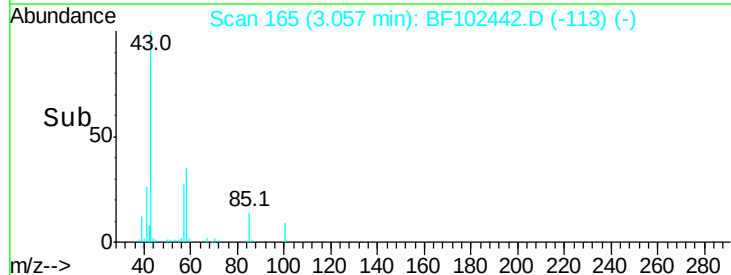
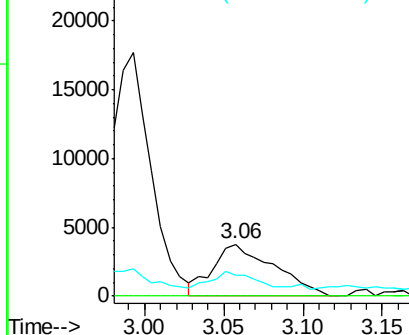
#4

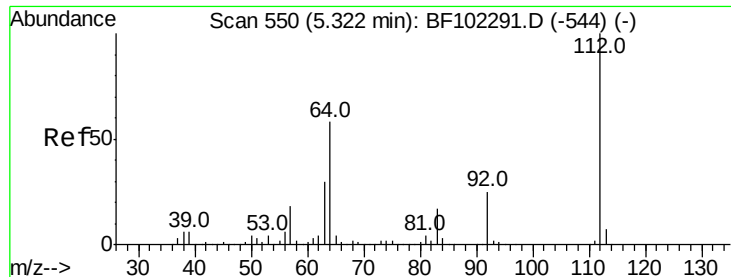
n-Nitrosodimethylamine
Concen: 2.110 ng
RT: 3.06 min Scan# 165
Delta R.T. 0.01 min
Lab File: BF102442.D
Acq: 25 Jan 2018 23:45

Tgt Ion: 42 Resp: 10115
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 40.1 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 21.929 ng

RT: 5.33 min Scan# 552

Delta R.T. 0.01 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

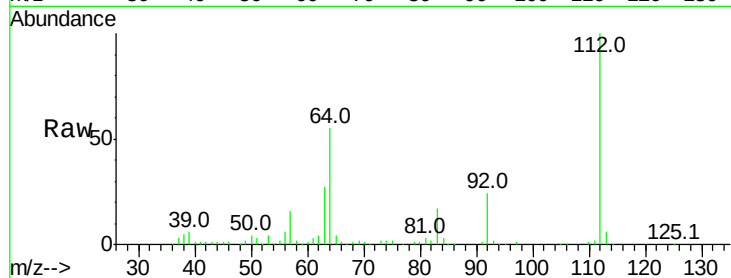
Tot Ion:112 Resp: 215965

Ion Ratio Lower Upper

112 100

64 55.1 47.9 71.9

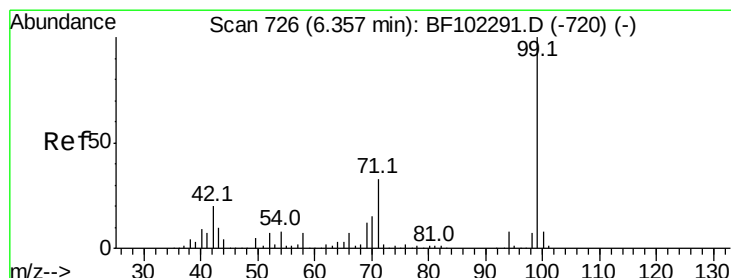
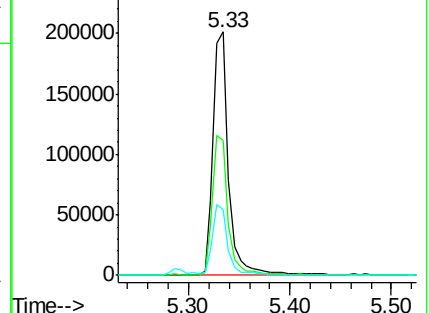
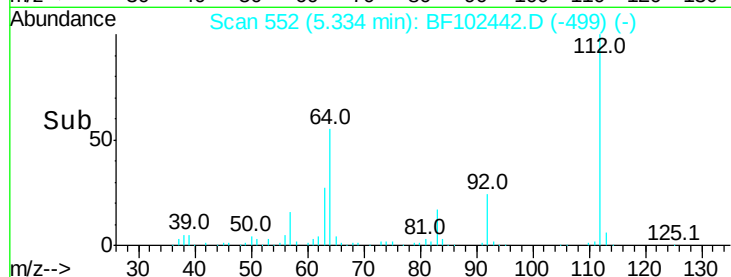
63 27.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 79.967 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

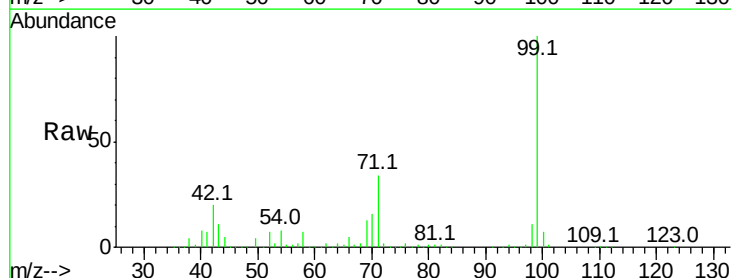
Tgt Ion: 99 Resp: 949470

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

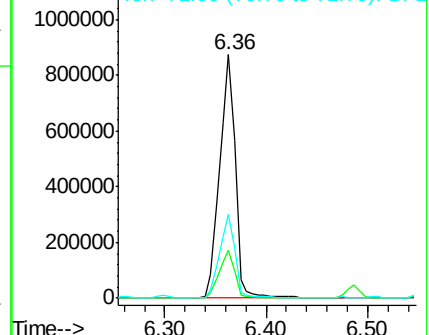
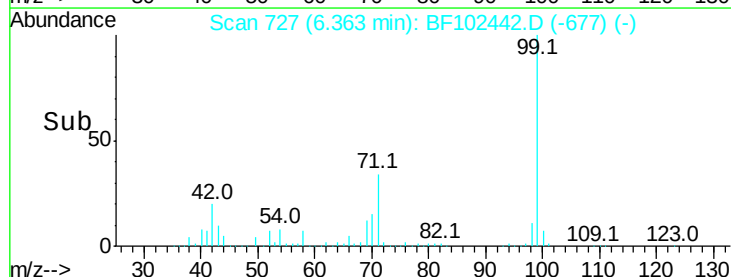
71 34.2 25.4 38.0

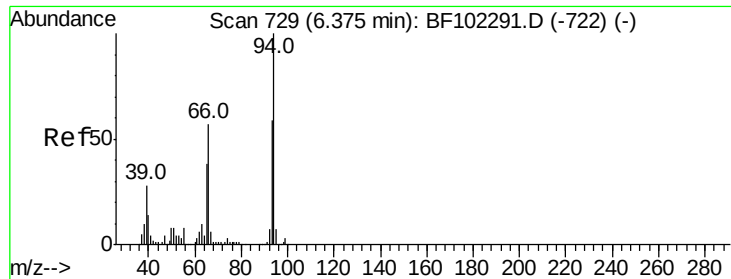


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 6.699 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

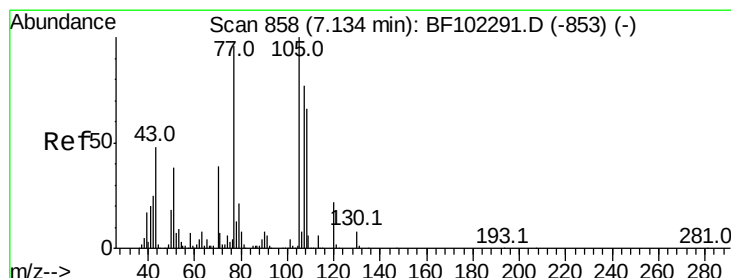
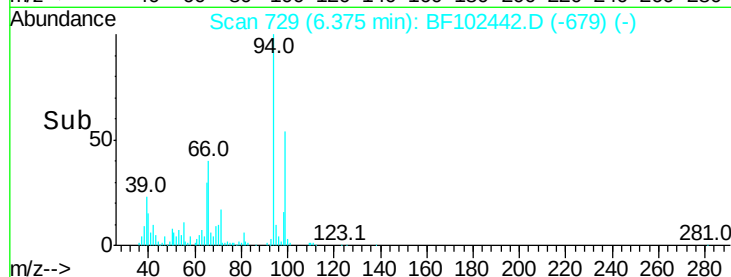
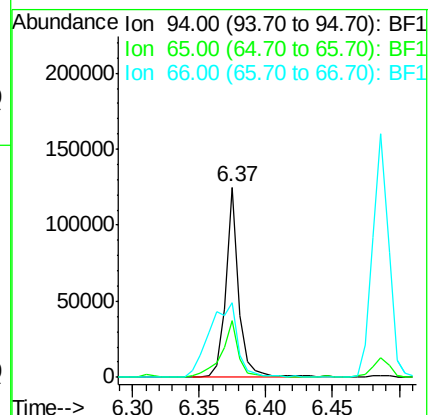
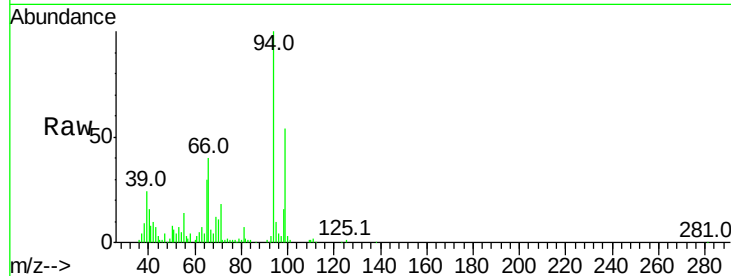
Tot Ion: 94 Resp: 86831

Ion Ratio Lower Upper

94 100

65 29.7 7.9 47.9

66 39.6 16.2 56.2



#20

3+4-Methylphenols

Concen: 3.250 ng

RT: 7.14 min Scan# 859

Delta R.T. 0.00 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

Tgt Ion: 107 Resp: 34277

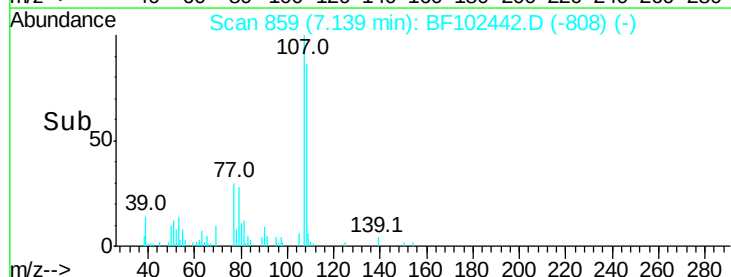
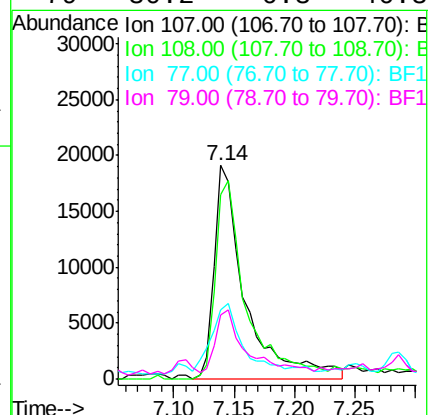
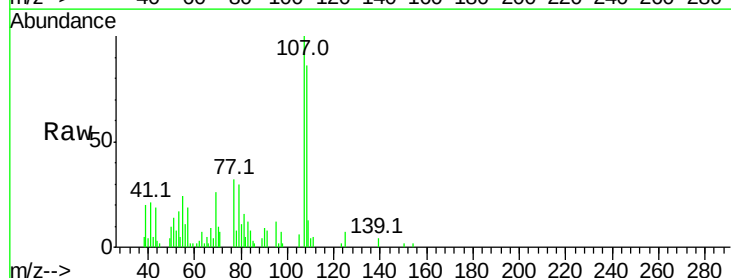
Ion Ratio Lower Upper

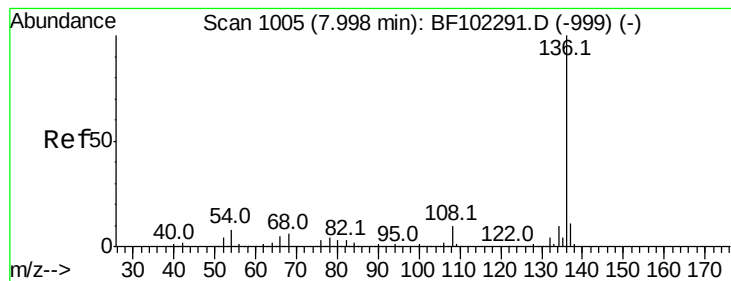
107 100

108 86.2 68.2 108.2

77 32.2 26.7 66.7

79 30.2 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 599133

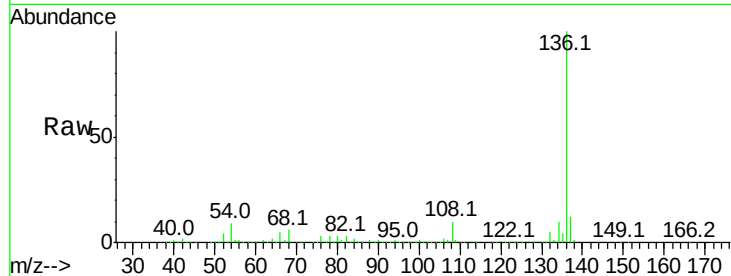
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 8.8 6.6 9.8

68 5.7 5.0 7.4

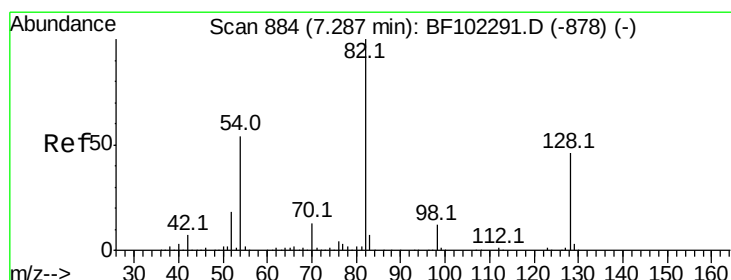
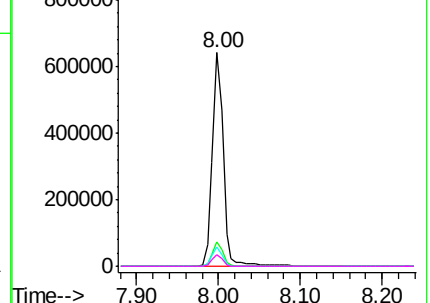
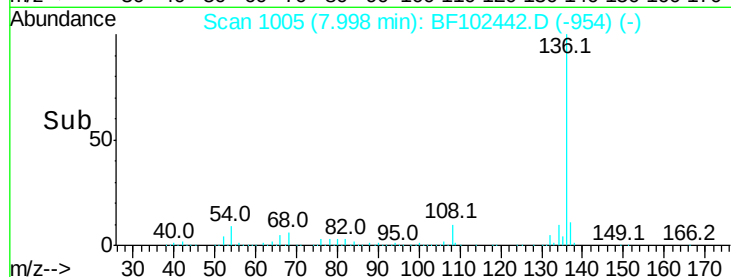


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.521 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

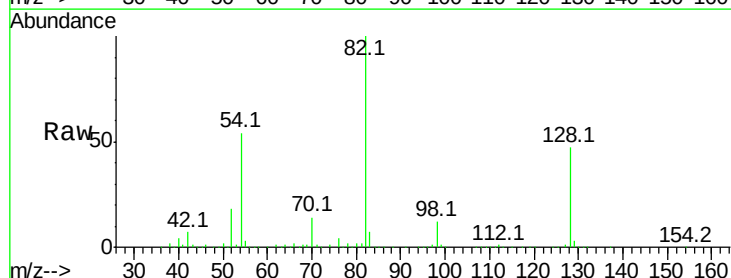
Tgt Ion: 82 Resp: 724806

Ion Ratio Lower Upper

82 100

128 46.7 36.1 54.1

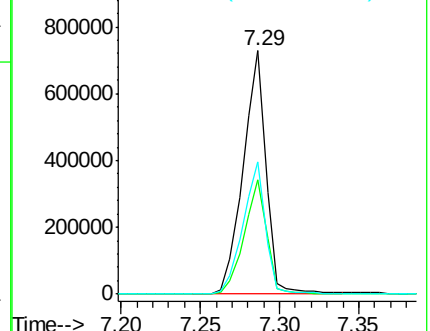
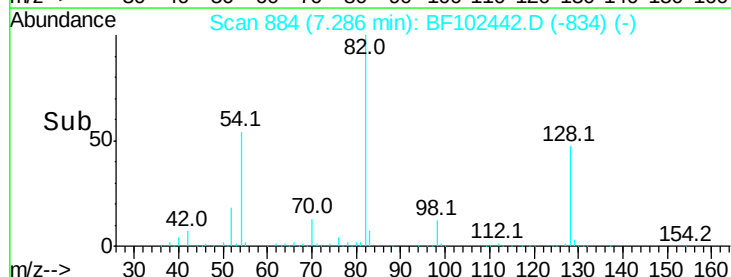
54 54.1 41.4 62.2

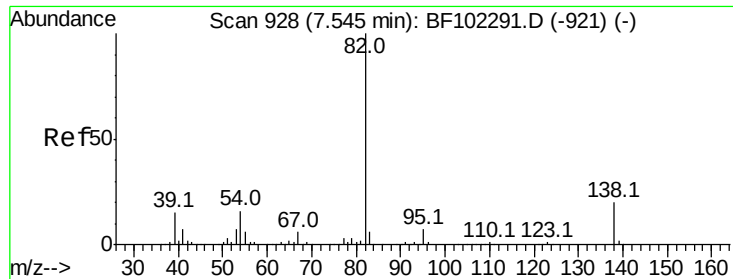


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.927 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

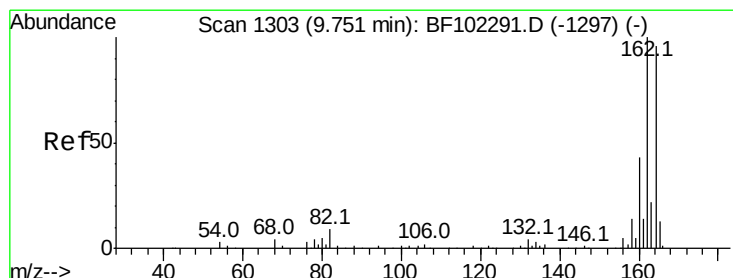
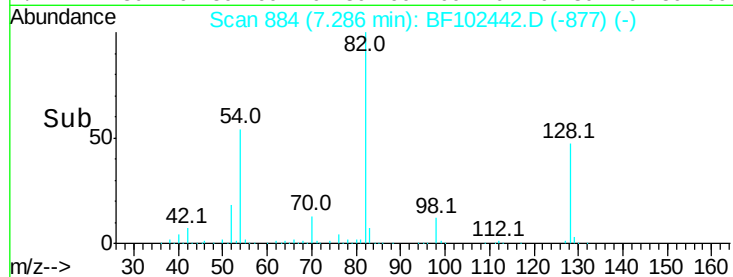
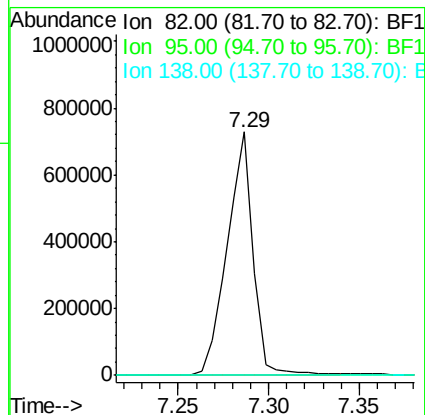
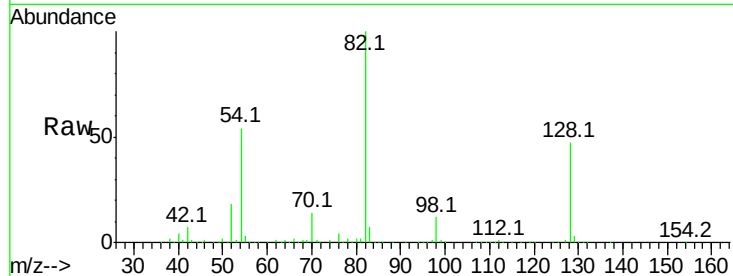
Tot Ion: 82 Resp: 723516

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

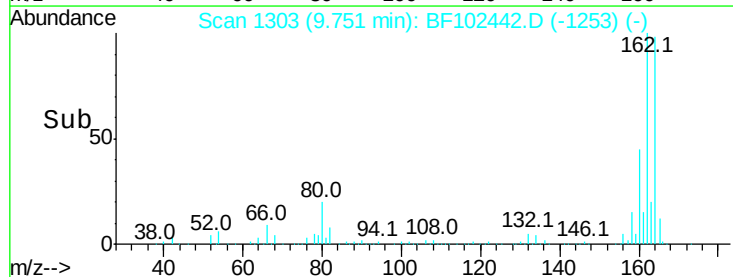
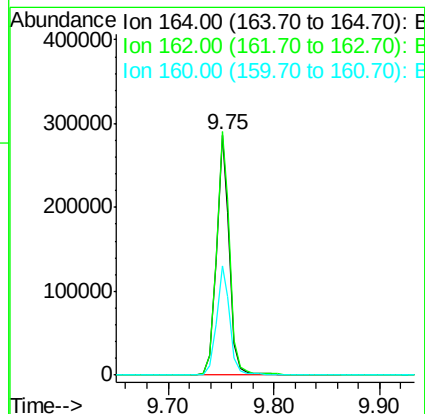
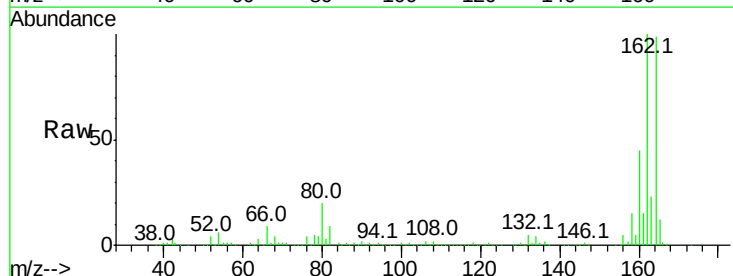
Tgt Ion:164 Resp: 248313

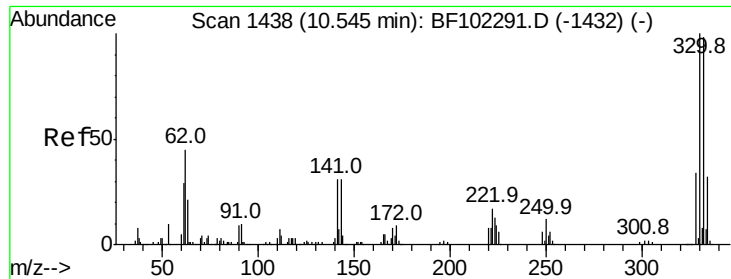
Ion Ratio Lower Upper

164 100

162 101.3 86.1 129.1

160 45.5 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 6.512 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

Instrument :

BNA_F

ClientSampled :

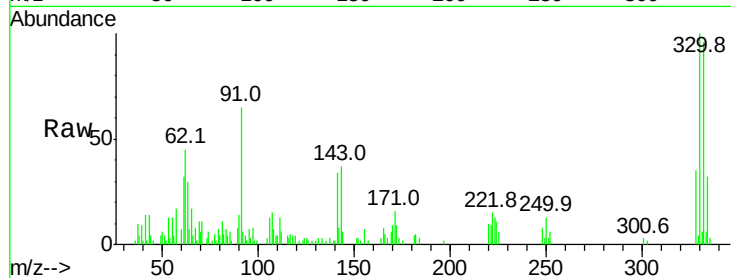
Tot Ion:330 Resp: 16022

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

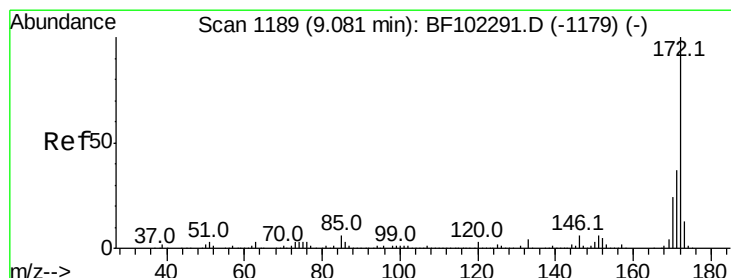
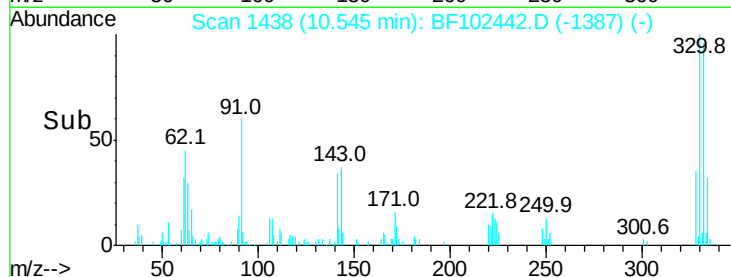
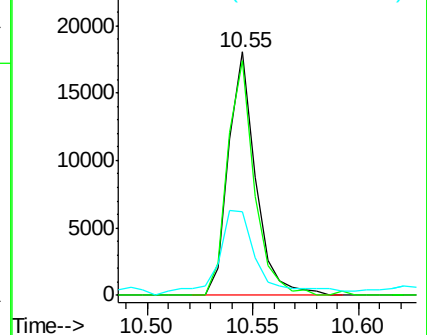
141 53.0 29.9 44.9#



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



#44

2-Fluorobiphenyl

Concen: 64.216 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

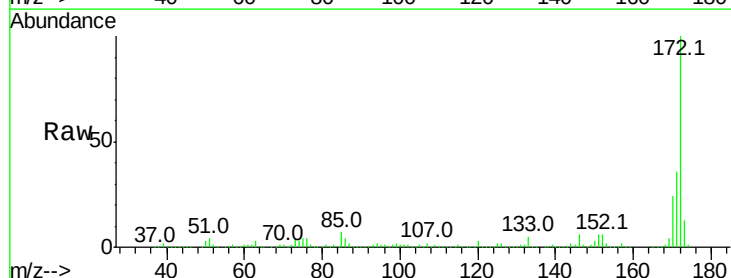
Tgt Ion:172 Resp: 1084475

Ion Ratio Lower Upper

172 100

171 36.1 29.7 44.5

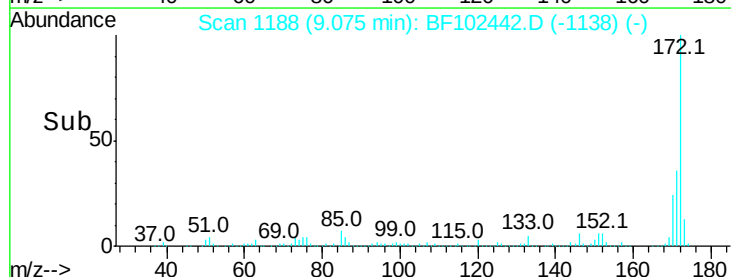
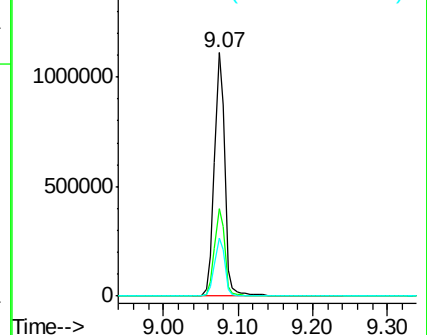
170 24.1 19.6 29.4

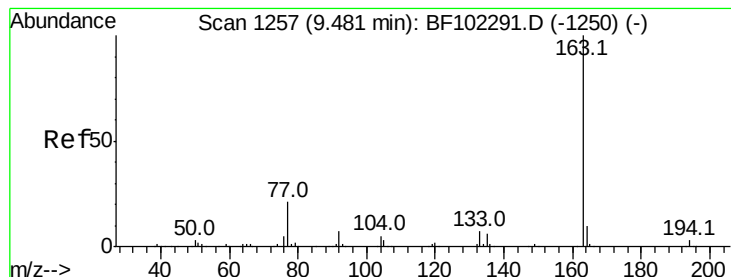


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 9.418 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

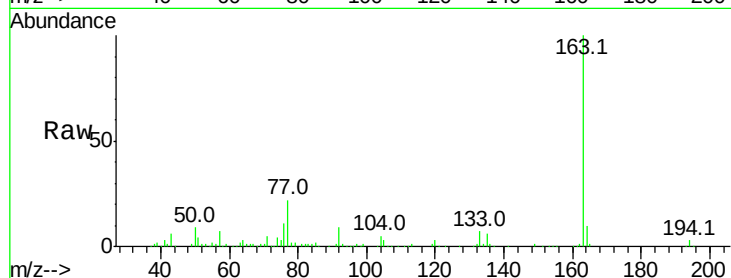
Tot Ion:163 Resp: 193303

Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

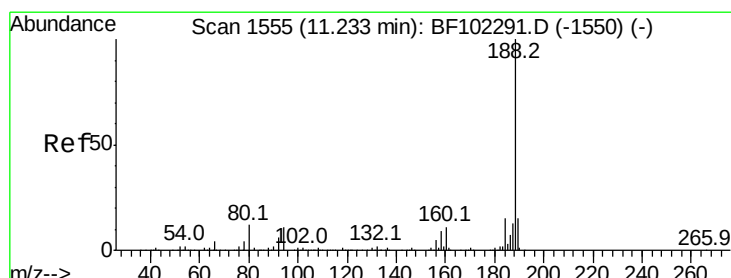
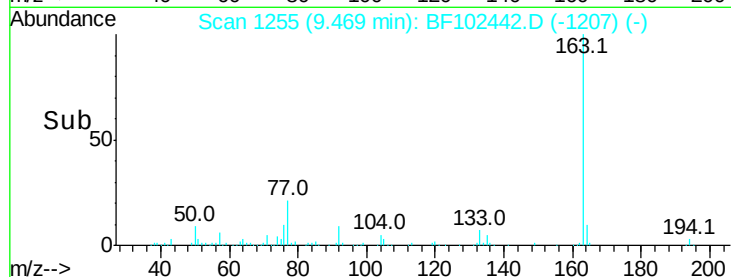
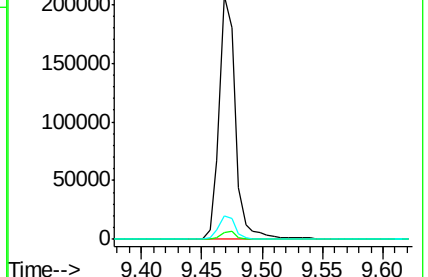
164 9.9 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

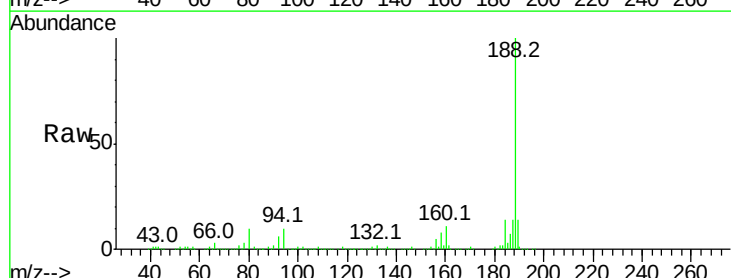
Tgt Ion:188 Resp: 356596

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

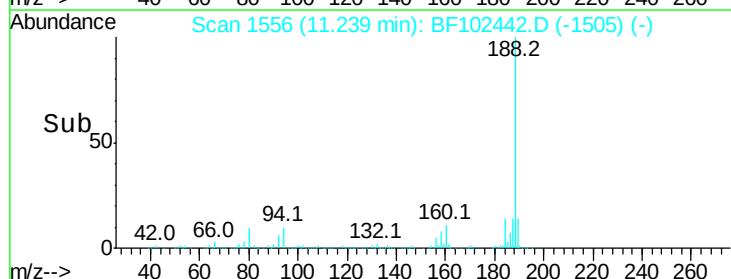
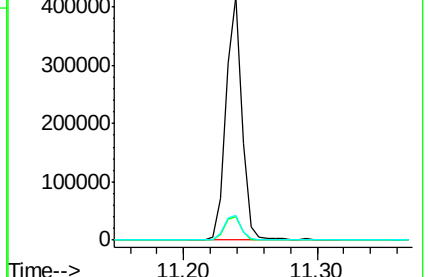
80 10.1 9.2 13.8

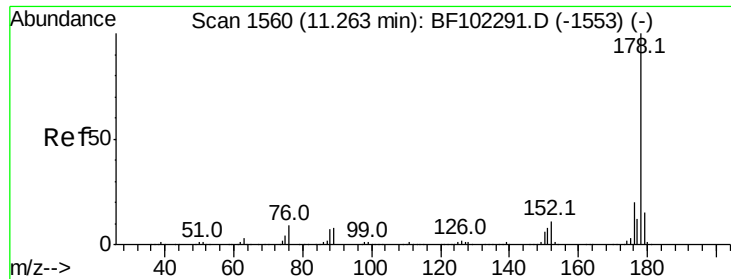


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

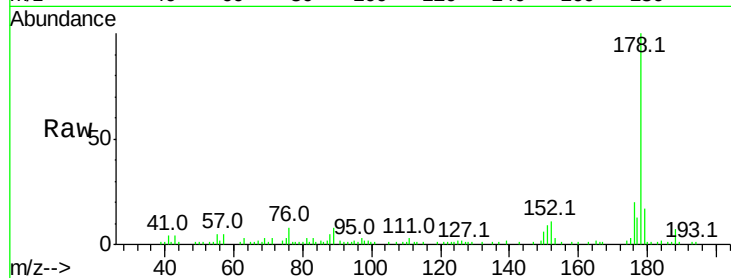




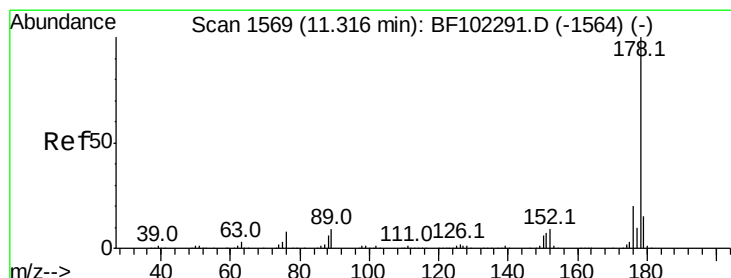
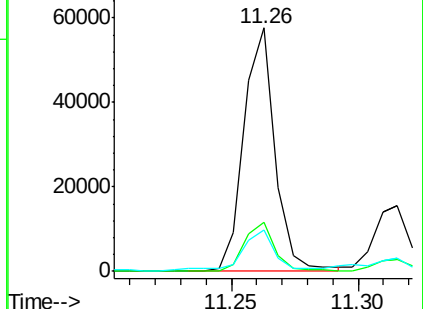
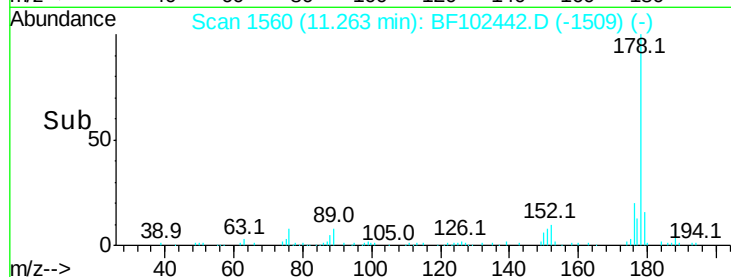
#70
Phenanthrene
Concen: 2.369 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102442.D
Acq: 25 Jan 2018 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 49226
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 16.8 13.0 19.6

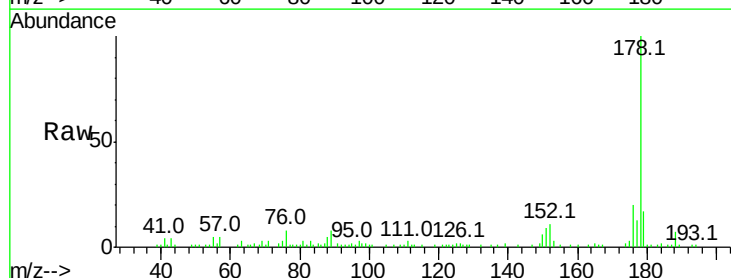


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

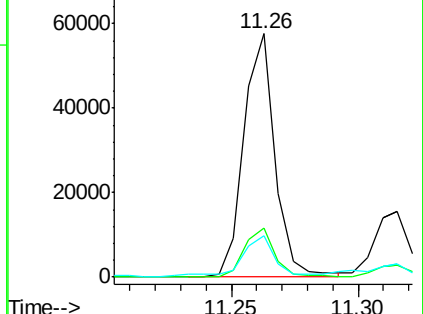
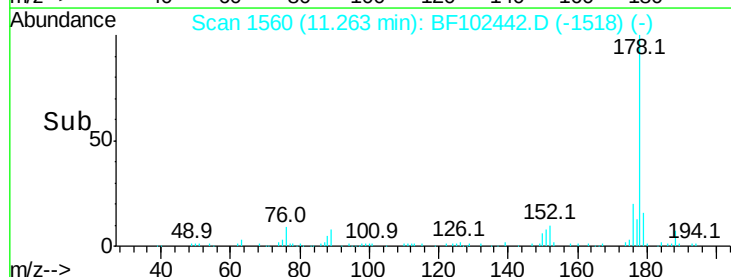


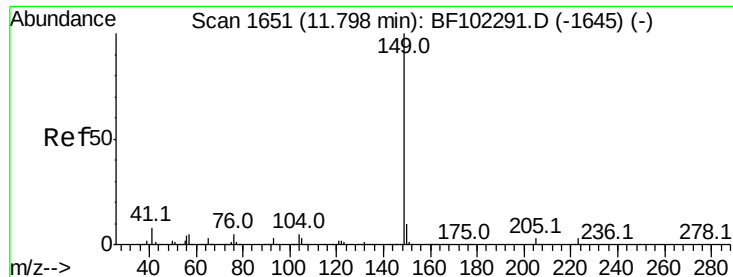
#71
Anthracene
Concen: 2.321 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.05 min
Lab File: BF102442.D
Acq: 25 Jan 2018 23:45

Tgt Ion:178 Resp: 49226
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 16.8 12.6 19.0



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

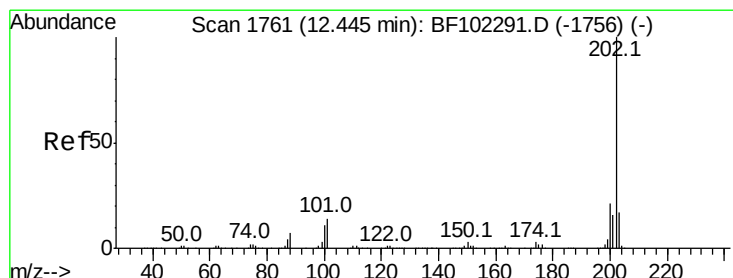
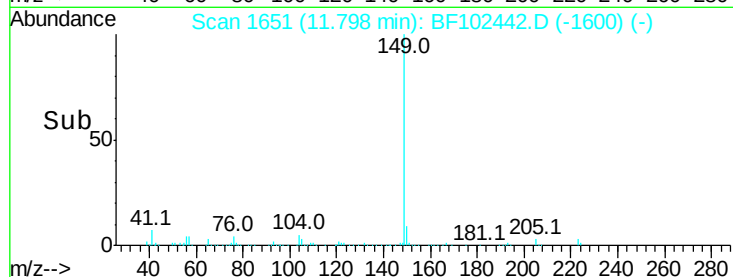
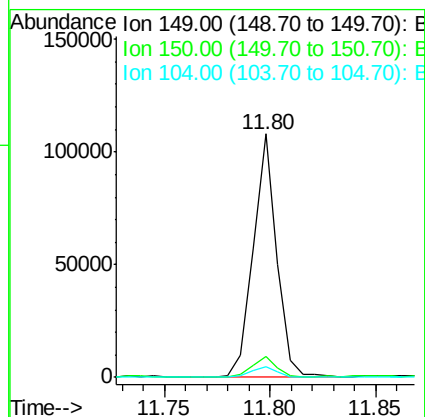
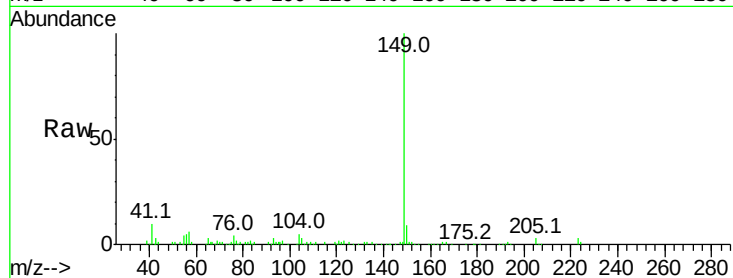




#73
Di-n-butylphthalate
Concen: 3.189 ng
RT: 11.80 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BF102442.D
Acq: 25 Jan 2018 23:45

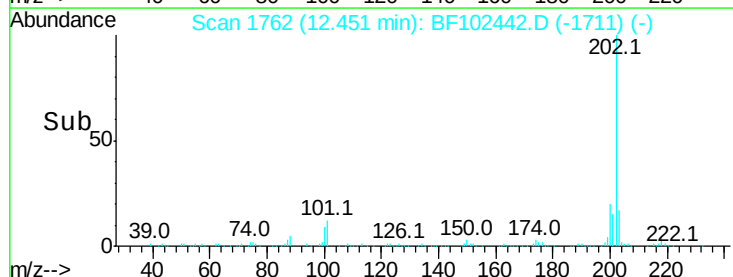
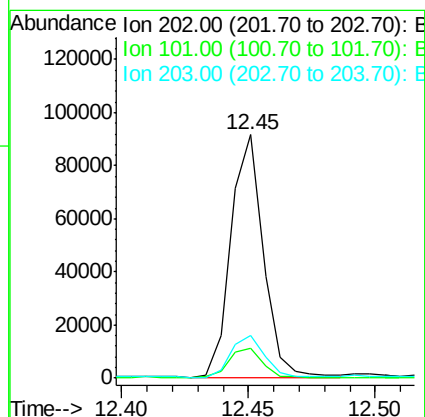
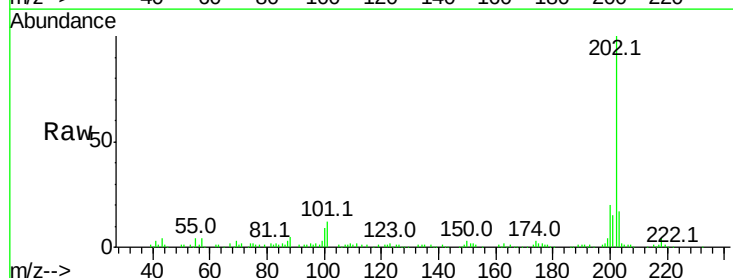
Instrument :
BNA_F
ClientSampled :

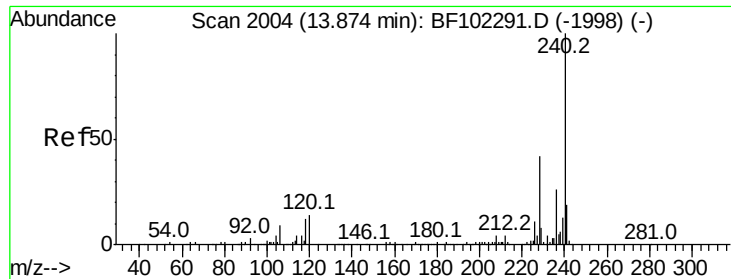
Tot Ion:149 Resp: 82480
Ion Ratio Lower Upper
149 100
150 8.7 7.8 11.6
104 4.6 3.8 5.8



#74
Fluoranthene
Concen: 3.825 ng
RT: 12.45 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BF102442.D
Acq: 25 Jan 2018 23:45

Tgt Ion:202 Resp: 81048
Ion Ratio Lower Upper
202 100
101 12.3 0.0 34.1
203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

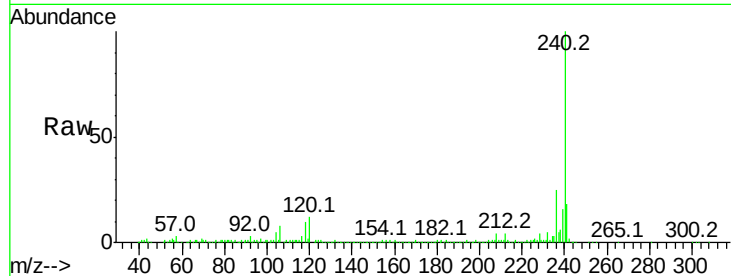
Tot Ion:240 Resp: 282271

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

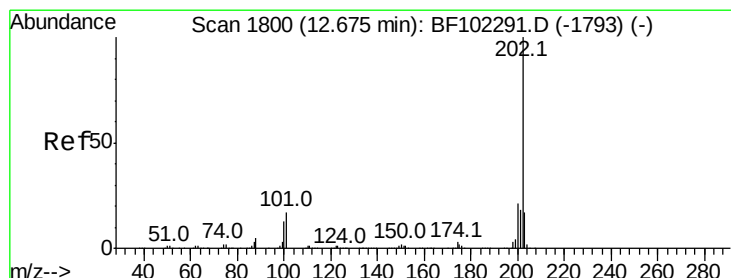
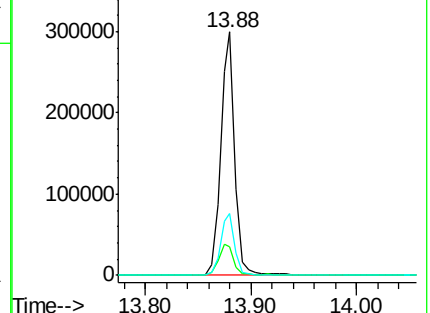
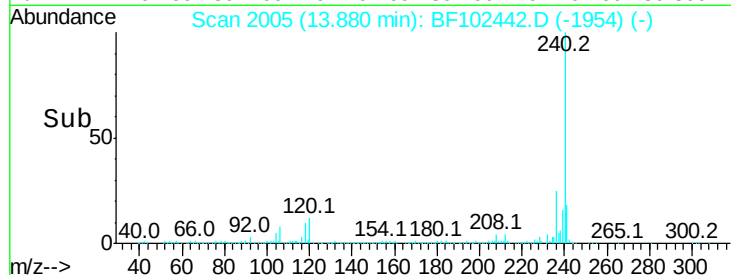
236 25.4 20.7 31.1



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



#77

Pyrene

Concen: 6.993 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

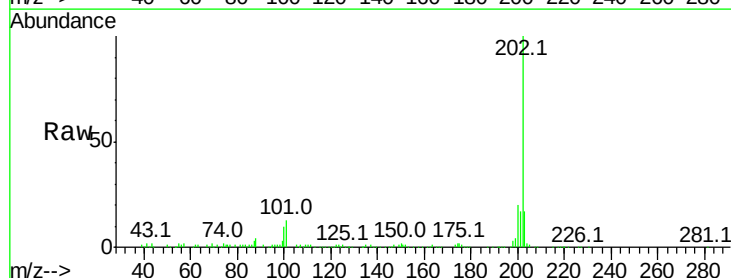
Tgt Ion:202 Resp: 152618

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

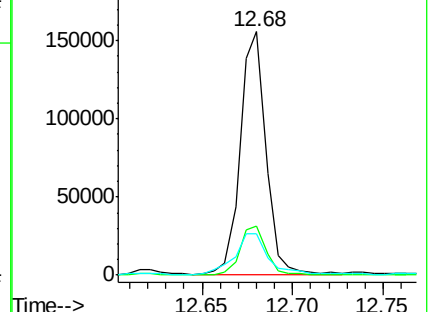
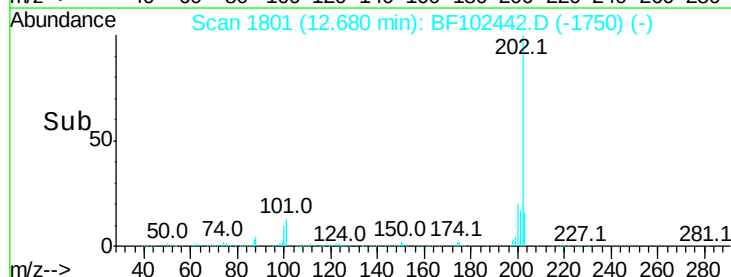
203 16.8 14.3 21.5

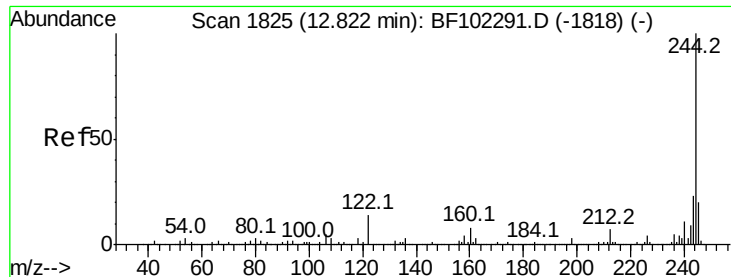


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

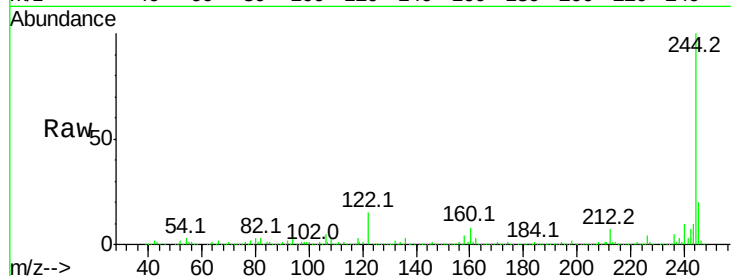




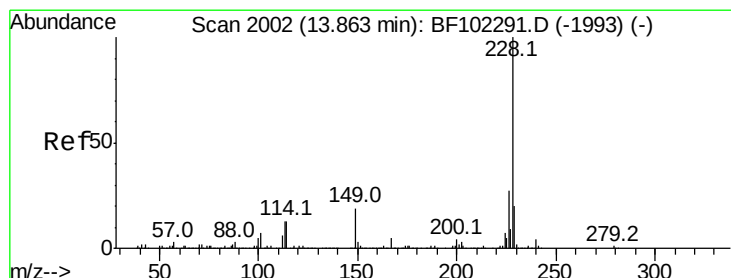
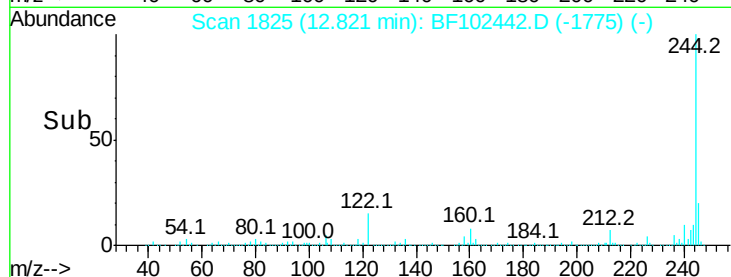
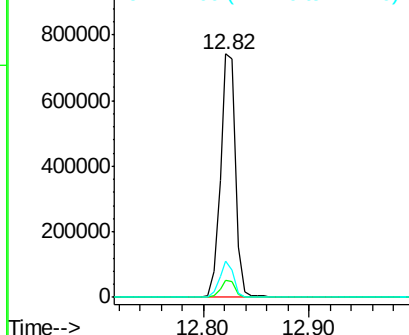
#78
 Terphenyl-d14
 Concen: 59.524 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102442.D
 Acq: 25 Jan 2018 23:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 745301
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 14.8 11.0 16.4

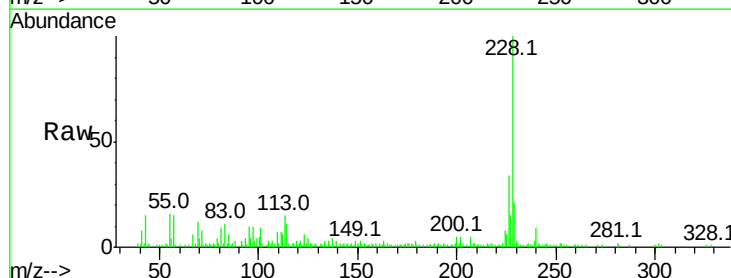


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

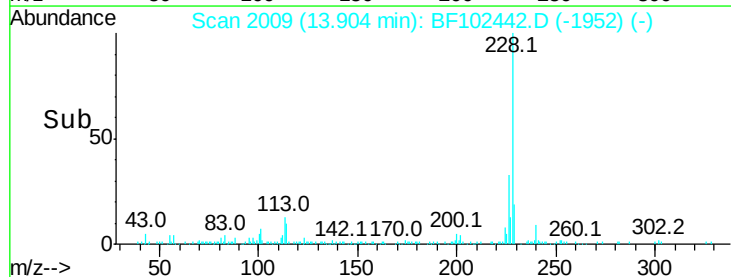
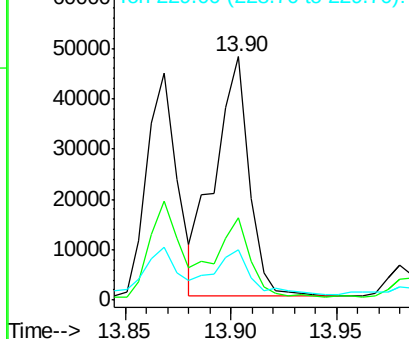


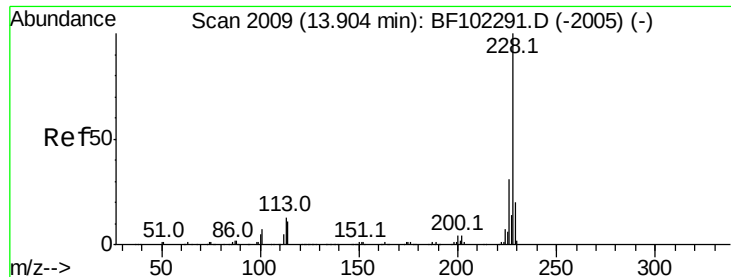
#80
 Benzo(a)anthracene
 Concen: 3.067 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. 0.04 min
 Lab File: BF102442.D
 Acq: 25 Jan 2018 23:45

Tgt Ion:228 Resp: 53299
 Ion Ratio Lower Upper
 228 100
 226 33.6 22.6 33.8
 229 20.9 15.8 23.6



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

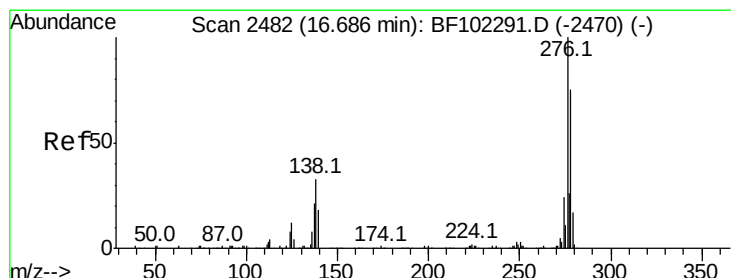
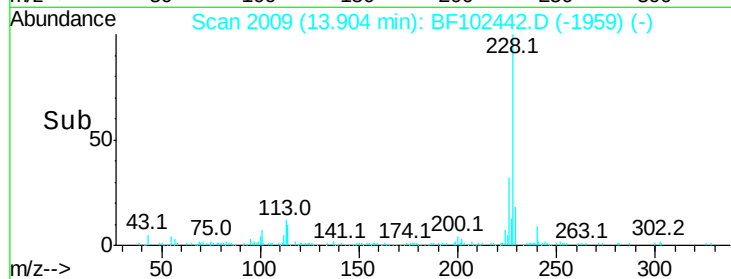
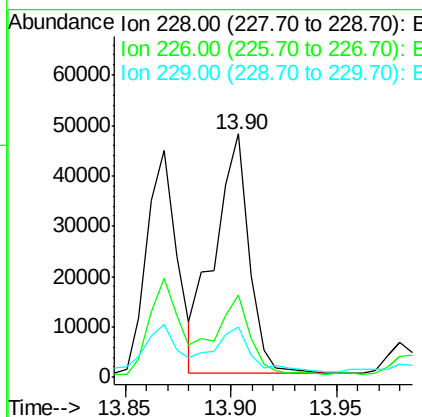
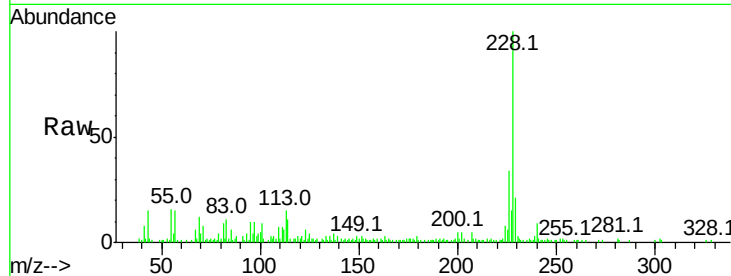




#82
Chrysene
Concen: 3.020 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102442.D
Acq: 25 Jan 2018 23:45

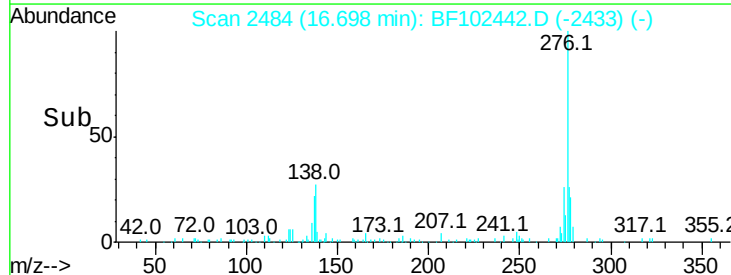
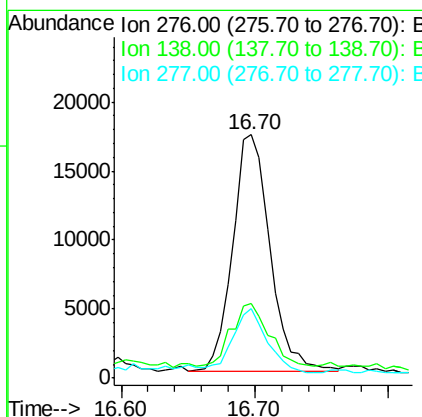
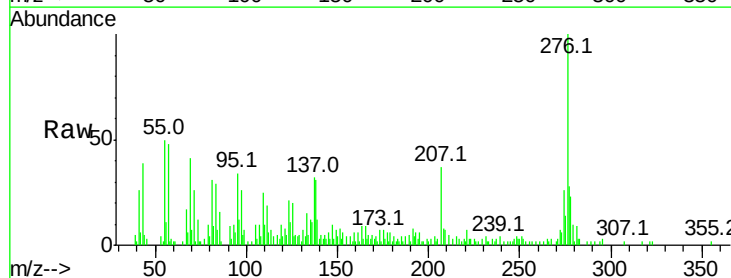
Instrument :
BNA_F
ClientSampleId :

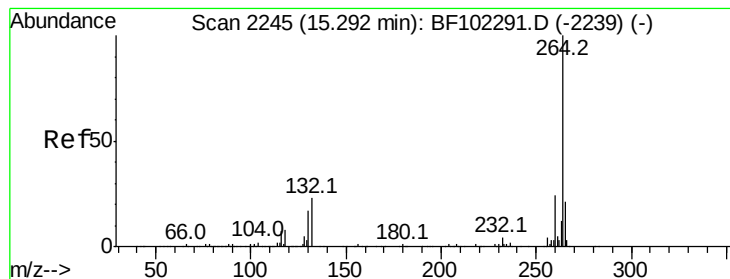
Tot Ion:228 Resp: 53299
Ion Ratio Lower Upper
228 100
226 33.6 25.0 37.6
229 20.9 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.294 ng
RT: 16.70 min Scan# 2484
Delta R.T. 0.00 min
Lab File: BF102442.D
Acq: 25 Jan 2018 23:45

Tgt Ion:276 Resp: 33434
Ion Ratio Lower Upper
276 100
138 27.0 25.0 37.6
277 25.3 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.01 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

Instrument :

BNA_F

ClientSampled :

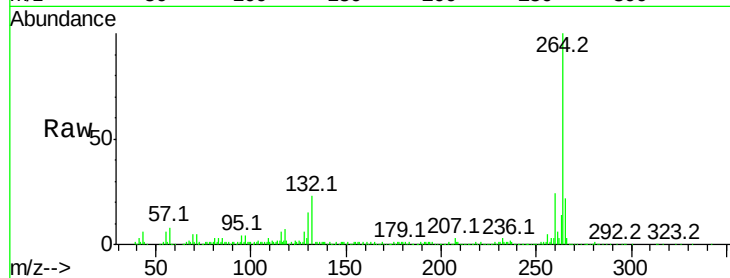
Tot Ion:264 Resp: 246212

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

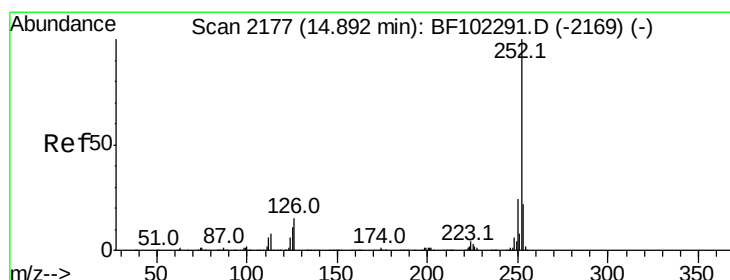
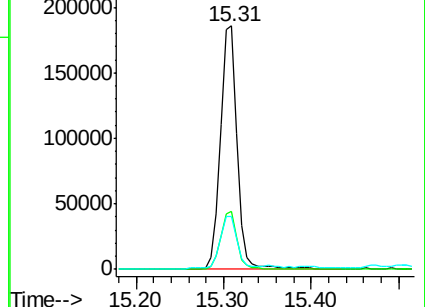
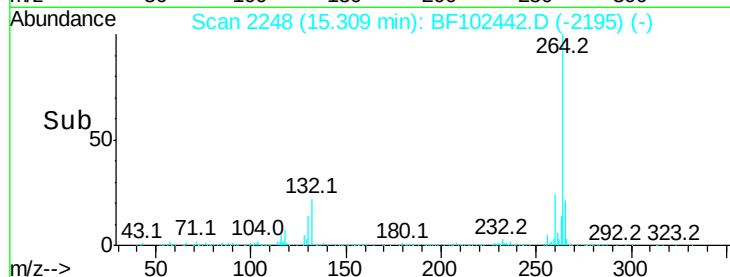
265 21.6 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 5.253 ng

RT: 14.90 min Scan# 2178

Delta R.T. 0.01 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

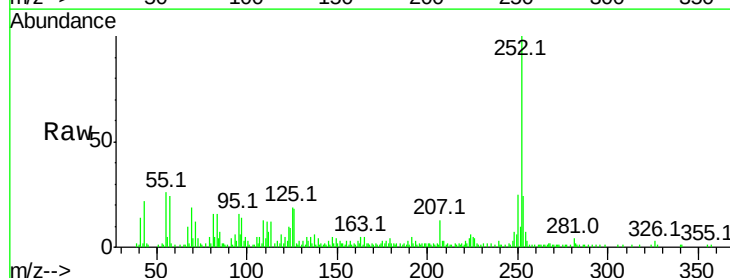
Tgt Ion:252 Resp: 83824

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

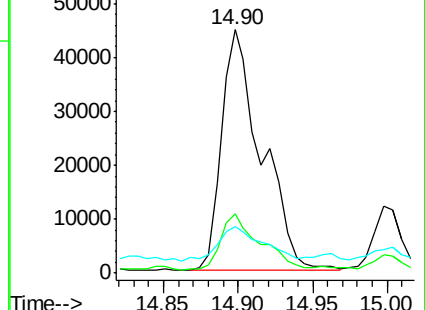
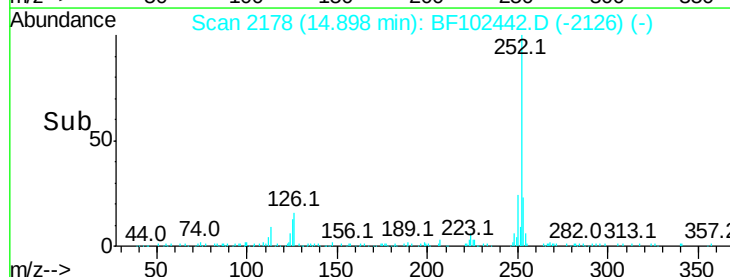
125 19.2 9.0 13.6#

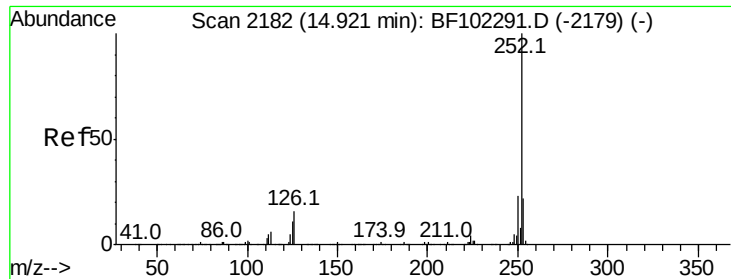


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

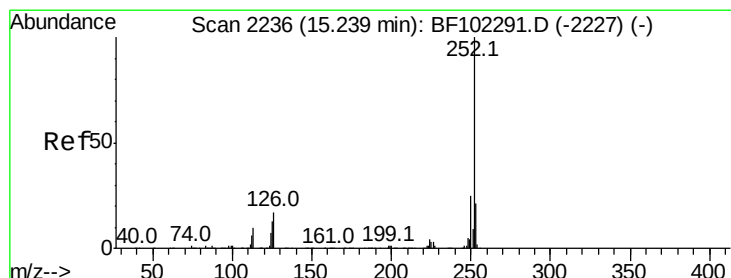
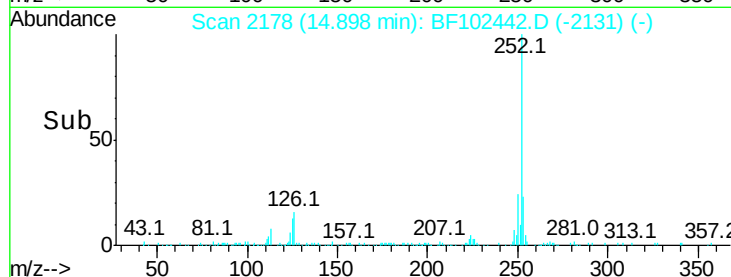
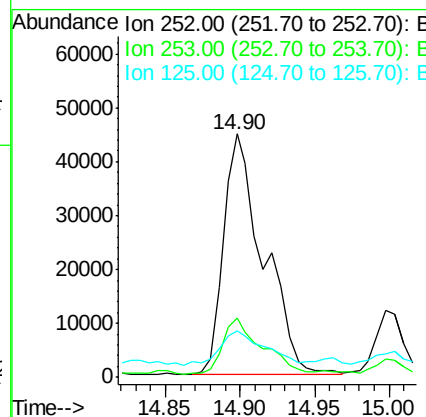
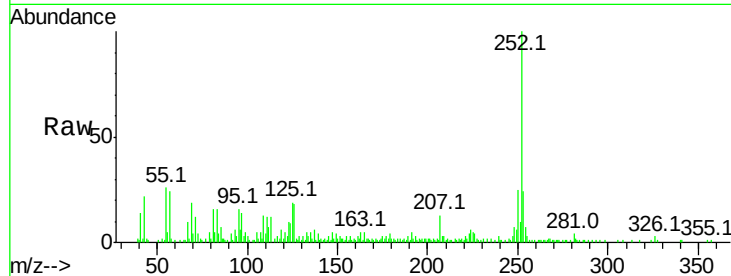




#88
Benzo(k)fluoranthene
Concen: 5.560 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF102442.D
Acq: 25 Jan 2018 23:45

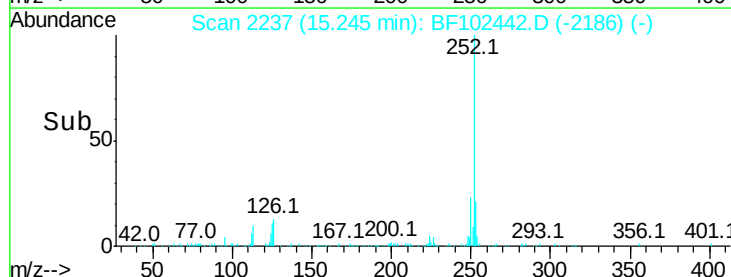
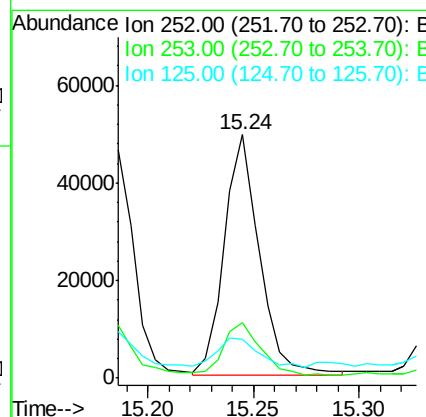
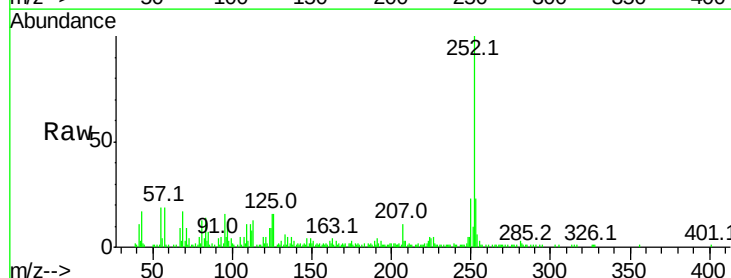
Instrument :
BNA_F
ClientSampleId :

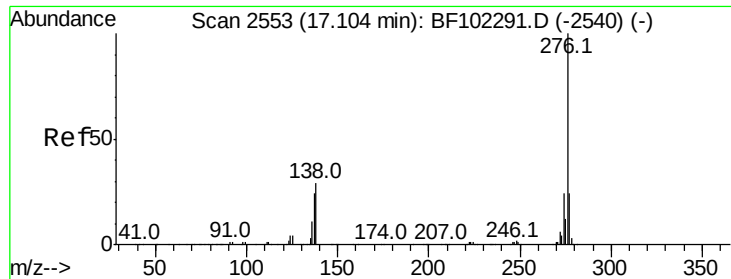
Tot Ion:252 Resp: 83824
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 19.2 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 3.937 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BF102442.D
Acq: 25 Jan 2018 23:45

Tgt Ion:252 Resp: 56664
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 15.8 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.908 ng

RT: 17.12 min Scan# 2555

Delta R.T. -0.00 min

Lab File: BF102442.D

Acq: 25 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

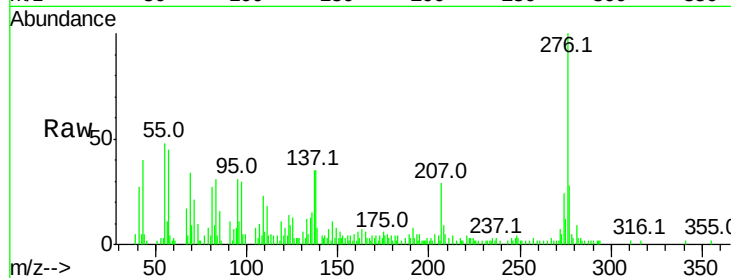
Tot Ion:276 Resp: 44993

Ion Ratio Lower Upper

276 100

277 27.7 17.9 26.9#

138 34.5 21.8 32.8#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

