

Data Path : U:\HPCHEM1\BNA F\DATA\BF012018\
 Data File : BF102275.D
 Acq On : 20 Jan 2018 19:29
 Operator : SJ/JU
 Sample : J1210-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 01:25:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

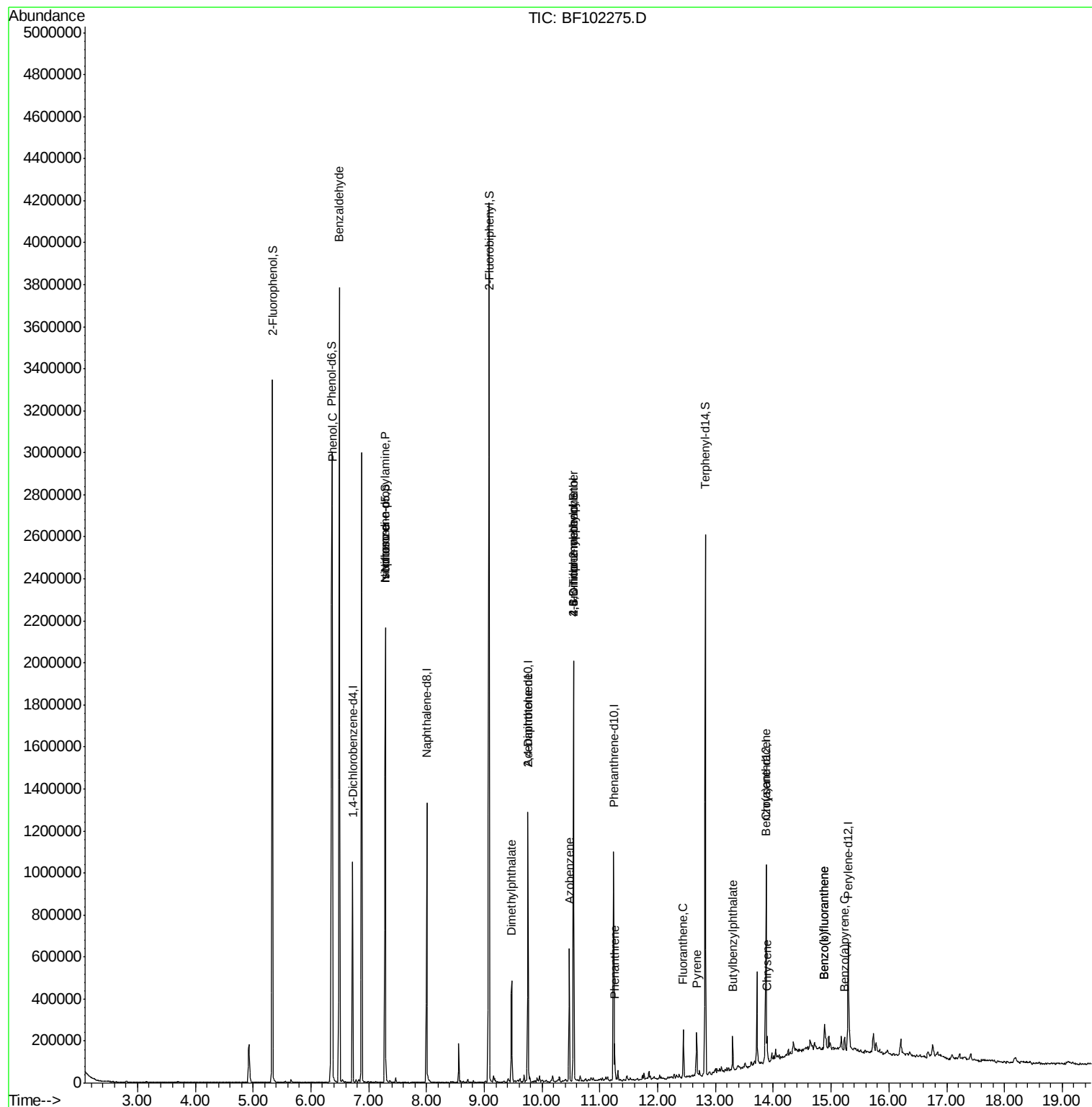
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	153774	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	619918	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	255425	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	377081	20.00	ng	0.00
75) Chrysene-d12	13.87	240	292694	20.00	ng	0.00
86) Perylene-d12	15.30	264	223730	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1060778	97.41	ng	0.00
7) Phenol-d6	6.36	99	1274167	98.07	ng	0.00
23) Nitrobenzene-d5	7.29	82	775185	73.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	223967	100.48	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1309643	80.10	ng	0.00
78) Terphenyl-d14	12.83	244	913946	64.83	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	22694	2.516	ng	85
10) Phenol	6.37	94	70026	4.769	ng	98
19) n-Nitroso-di-n-propylamine	7.29	70	100849	11.844	ng	# 81
25) Isophorone	7.29	82	771847	37.029	ng	# 64
49) Dimethylphthalate	9.47	163	188020	9.176	ng	99
56) 2,4-Dinitrotoluene	9.75	165	33077	6.448	ng	# 23
62) Azobenzene	10.47	77	95274	4.698	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.55	198	414	5.840	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	13902	3.491	ng	# 1
70) Phenanthrene	11.26	178	62425	2.834	ng	98
74) Fluoranthene	12.44	202	80485	3.714	ng	99
77) Pvrene	12.67	202	74320	2.873	ng	97
79) Butylbenzylphthalate	13.30	149	31501	2.653	ng	98
80) Benzo(a)anthracene	13.86	228	39451	2.113	ng	95
82) Chrysene	13.90	228	47691	2.449	ng	96
87) Benzo(b)fluoranthene	14.89	252	72225	4.951	ng	95
88) Benzo(k)fluoranthene	14.89	252	72225	5.132	ng	98
89) Benzo(a)pyrene	15.23	252	29058	2.214	ng	# 88

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

Data Path : U:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102275.D
Acq On : 20 Jan 2018 19:29
Operator : SJ/JU
Sample : J1210-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 22 01:25:15 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 19 13:31:35 2018
Response via : Initial Calibration



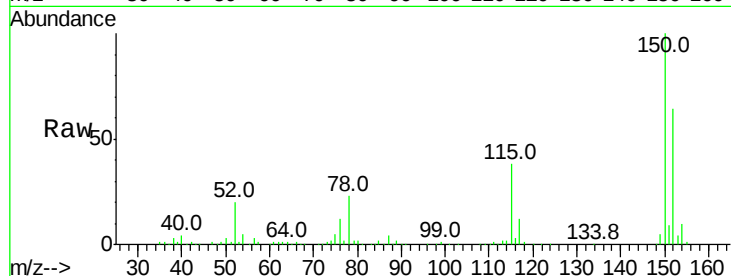


#1

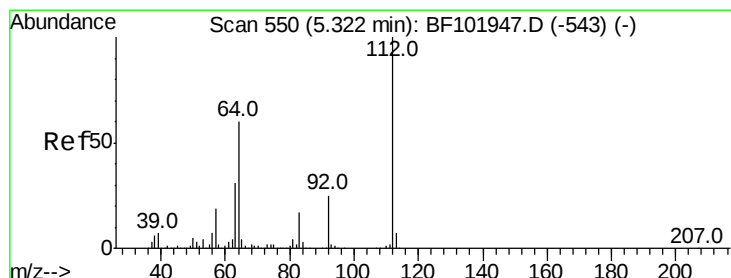
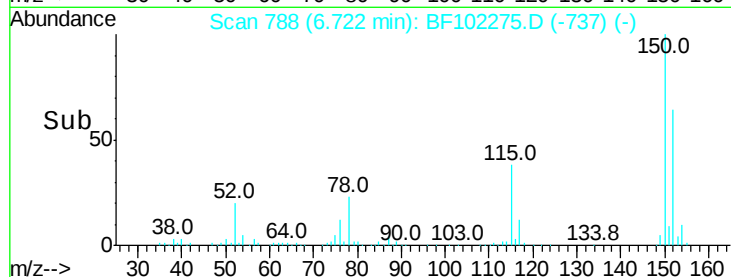
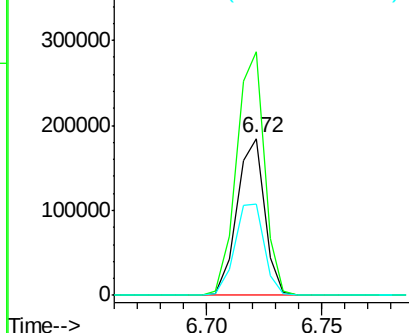
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF102275.D
 Acq: 20 Jan 2018 19:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 153774
 Ion Ratio Lower Upper
 152 100
 150 155.2 124.6 186.8
 115 58.3 50.1 75.1



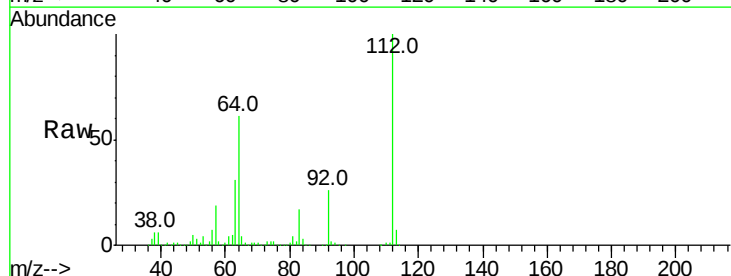
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



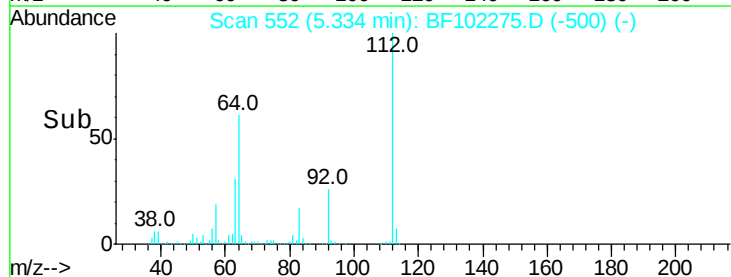
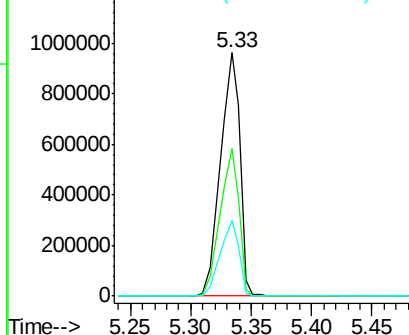
#5

2-Fluorophenol
 Concen: 97.410 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF102275.D
 Acq: 20 Jan 2018 19:29

Tgt Ion:112 Resp: 1060778
 Ion Ratio Lower Upper
 112 100
 64 60.8 47.9 71.9
 63 30.9 23.7 35.5



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: 98.068 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Instrument :

BNA_F

ClientSampleId :

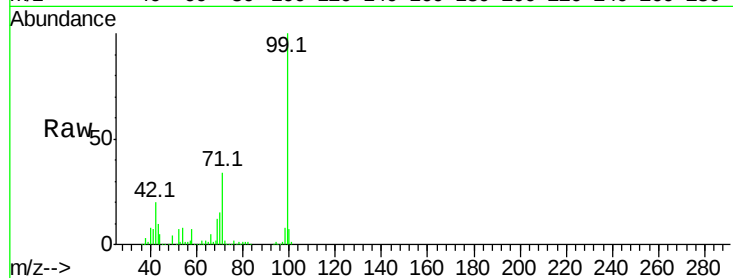
Tot Ion: 99 Resp: 1274167

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

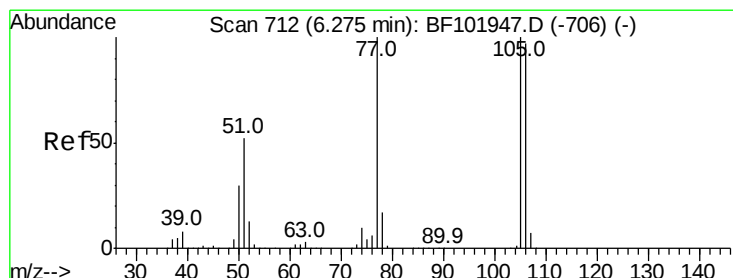
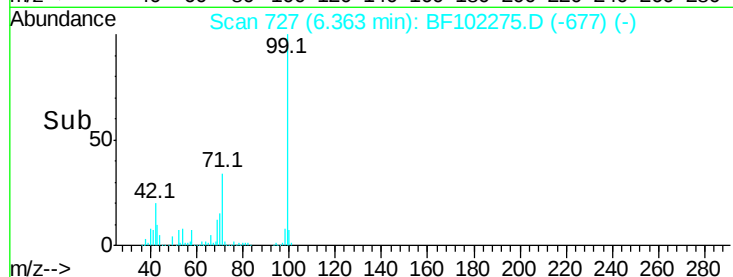
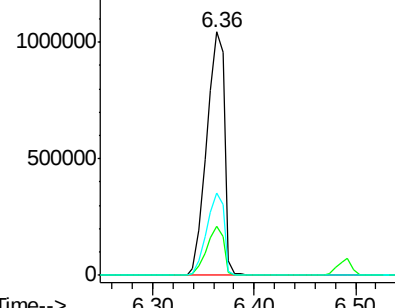
71 34.0 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.516 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

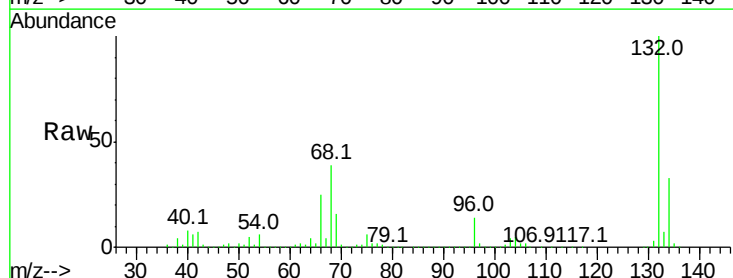
Tgt Ion: 77 Resp: 22694

Ion Ratio Lower Upper

77 100

105 84.1 81.1 121.1

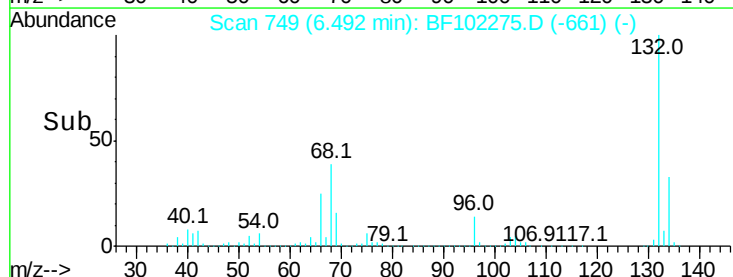
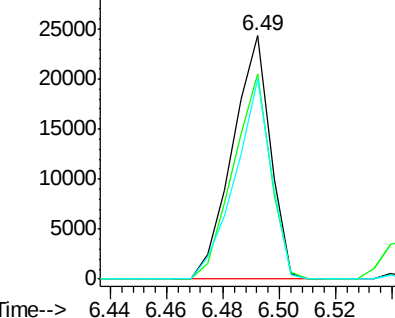
106 82.2 74.5 114.5

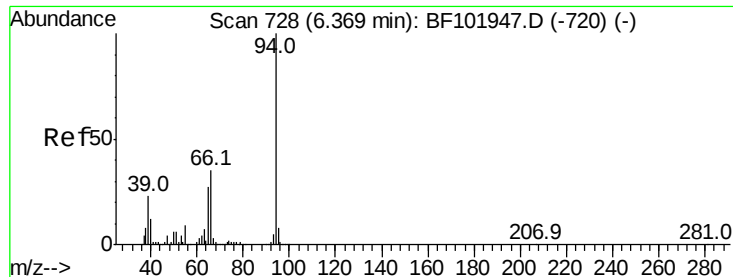


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.769 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Instrument :

BNA_F

ClientSampleId :

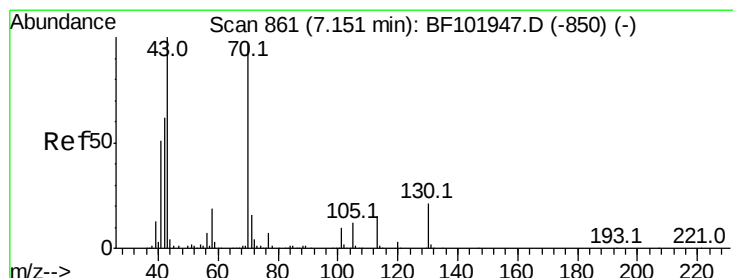
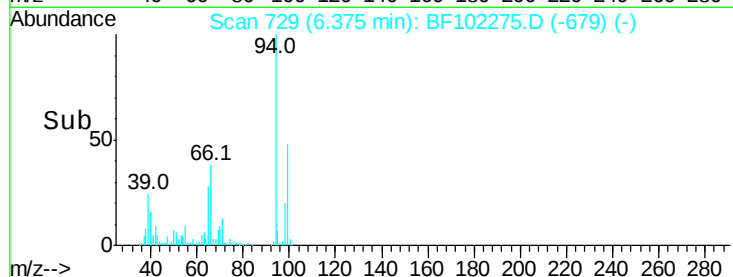
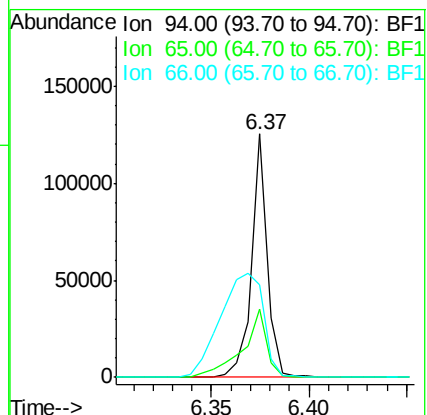
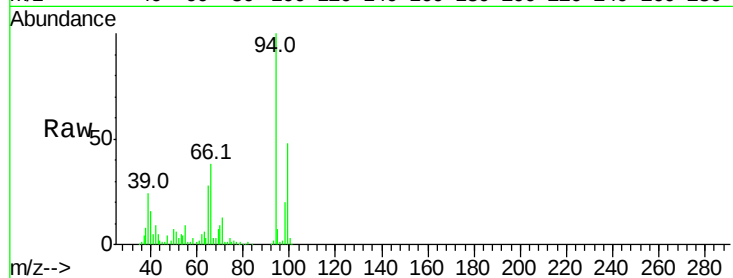
Tot Ion: 94 Resp: 70026

Ion Ratio Lower Upper

94 100

65 28.1 7.9 47.9

66 38.2 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.844 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Tgt Ion: 70 Resp: 100849

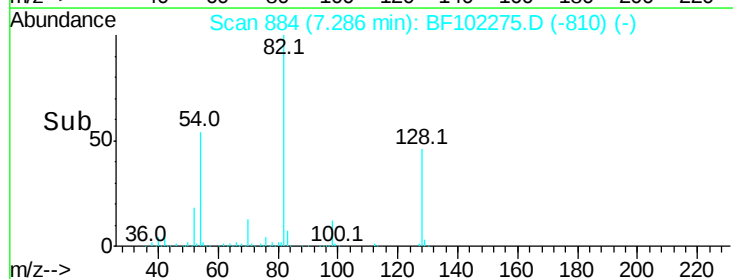
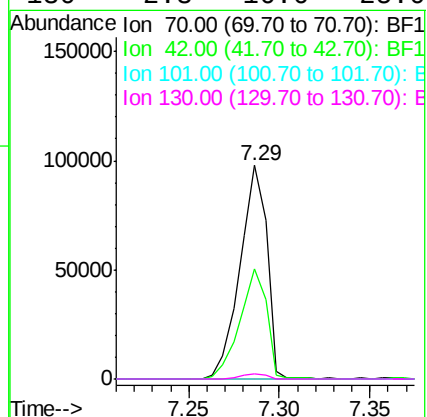
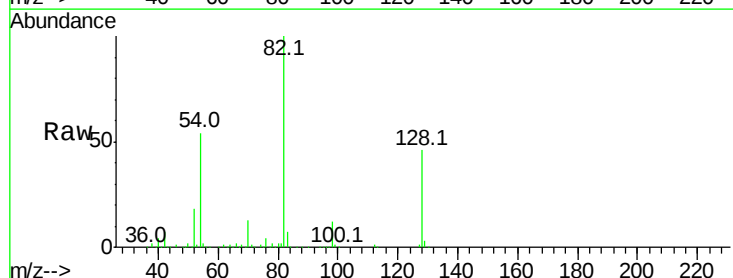
Ion Ratio Lower Upper

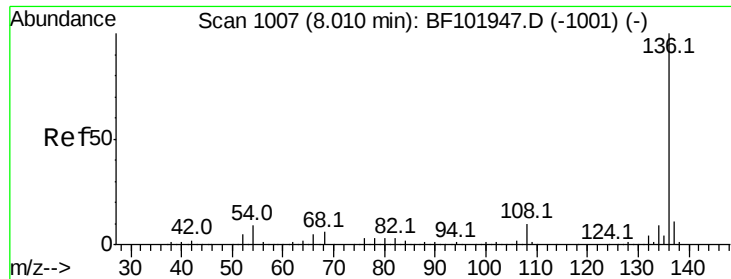
70 100

42 51.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

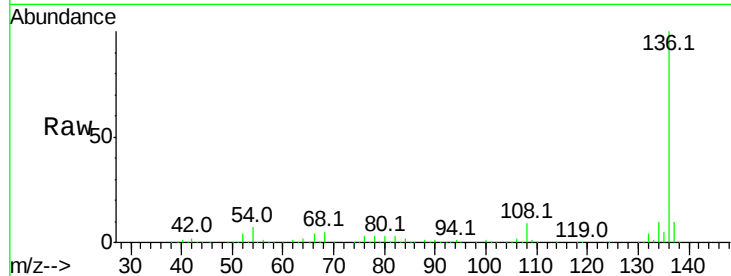




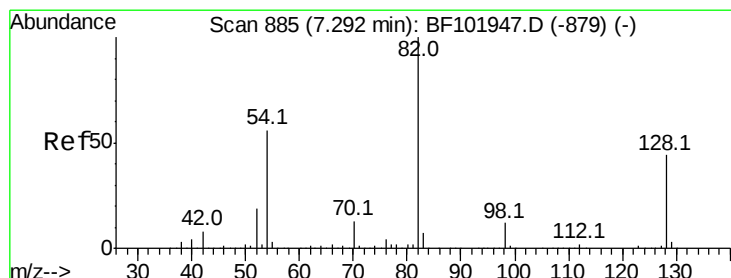
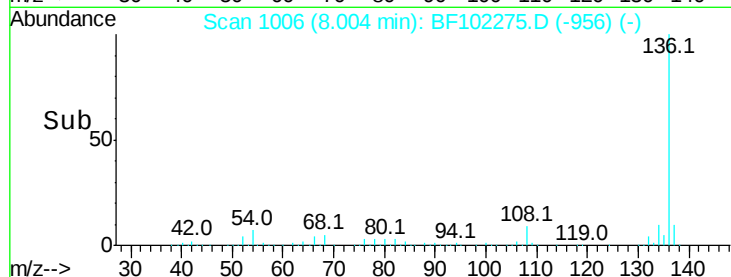
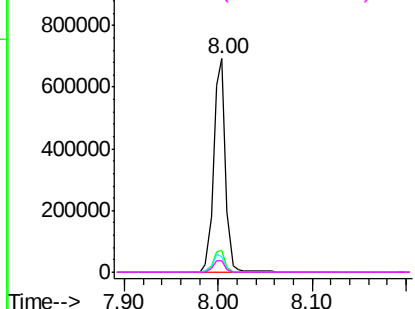
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102275.D
Acq: 20 Jan 2018 19:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	619918
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.3	6.6	9.8
68	5.3	5.0	7.4

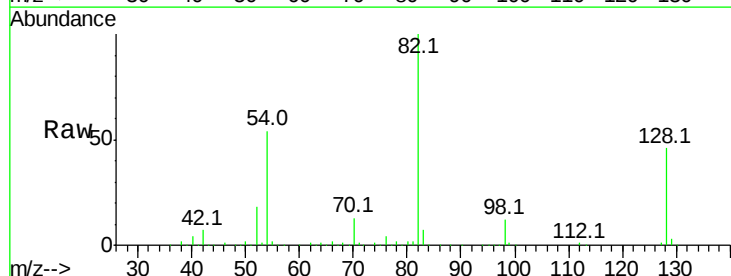


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

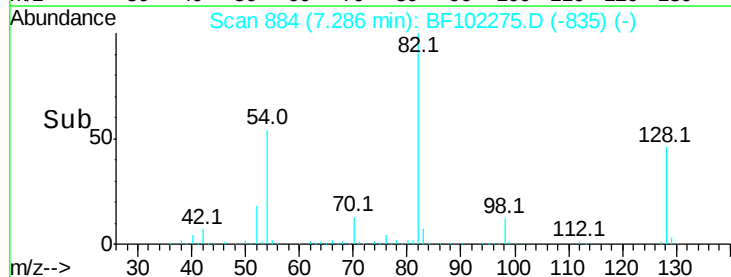
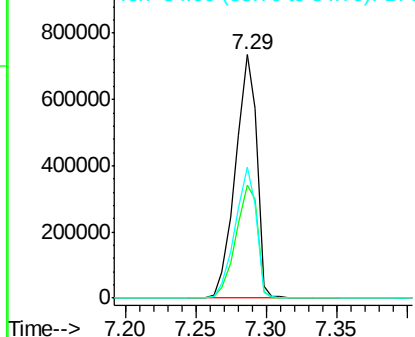


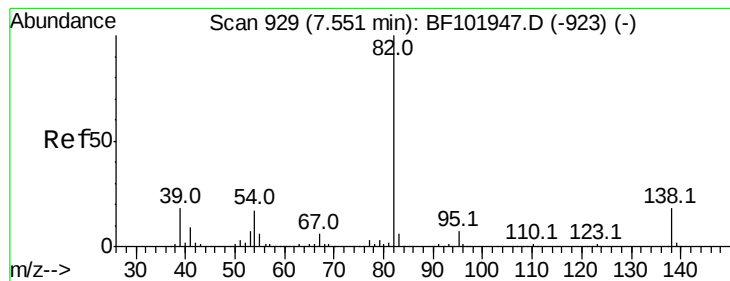
#23
Nitrobenzene-d5
Concen: 73.482 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102275.D
Acq: 20 Jan 2018 19:29

Tgt Ion:	82	Resp:	775185
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	53.8	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: 37.029 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Instrument :

BNA_F

ClientSampled :

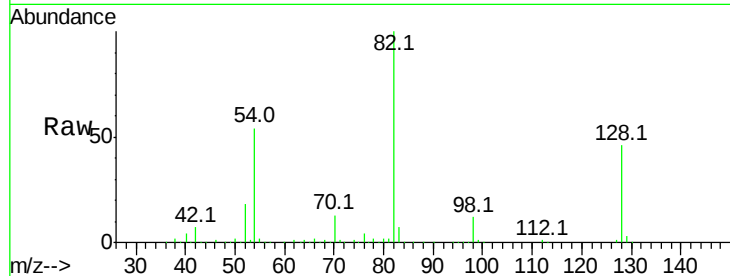
Tot Ion: 82 Resp: 771847

Ion Ratio Lower Upper

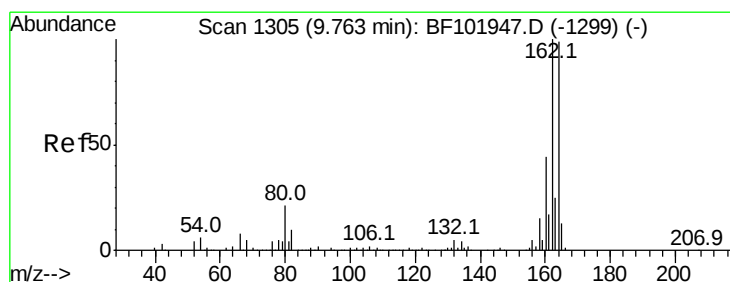
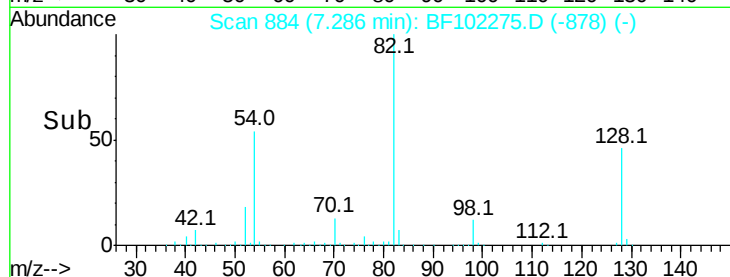
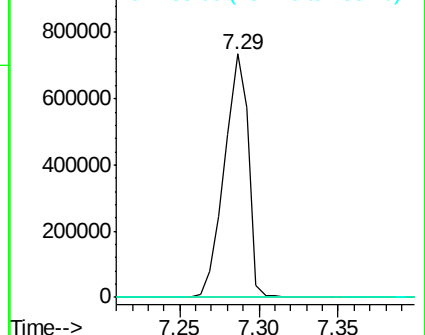
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

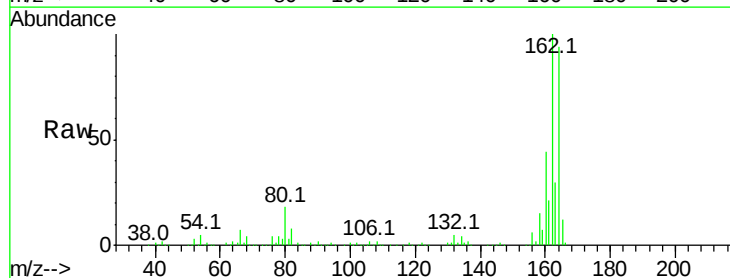
Tgt Ion:164 Resp: 255425

Ion Ratio Lower Upper

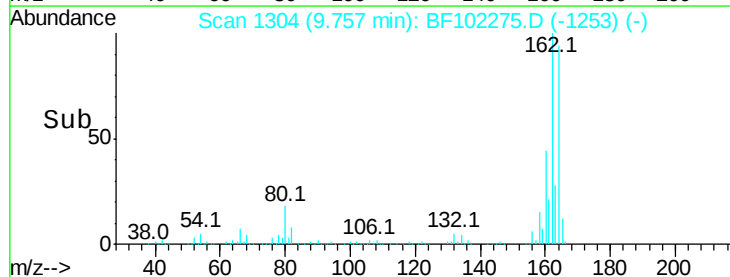
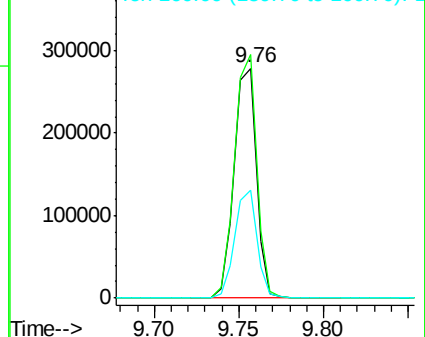
164 100

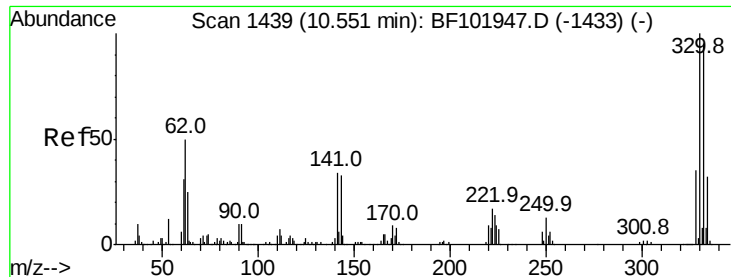
162 105.9 86.1 129.1

160 47.1 38.3 57.5



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

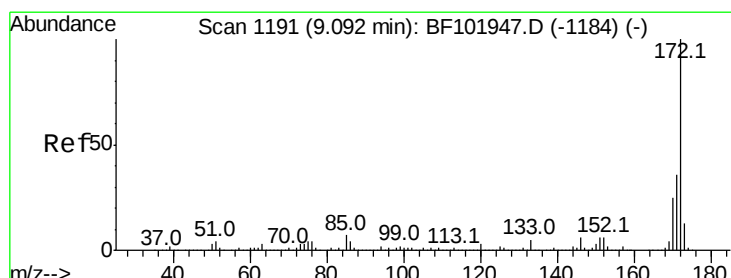
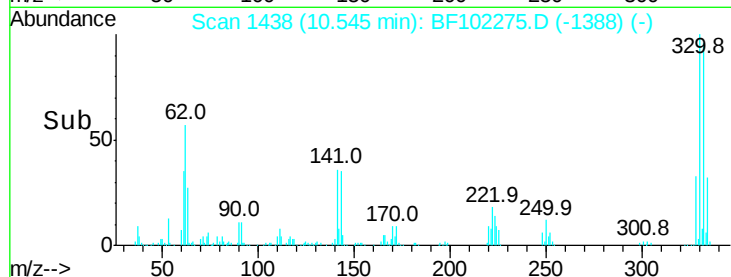
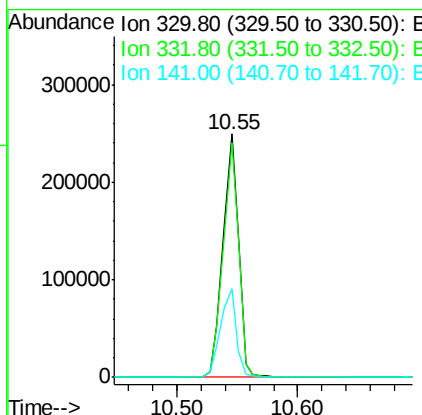
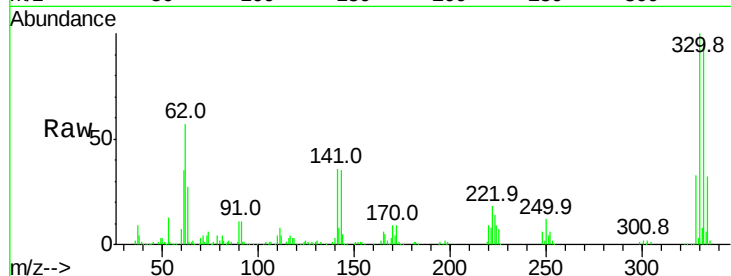




#41
 2,4,6-Tribromophenol
 Concen: 100.476 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102275.D
 Acq: 20 Jan 2018 19:29

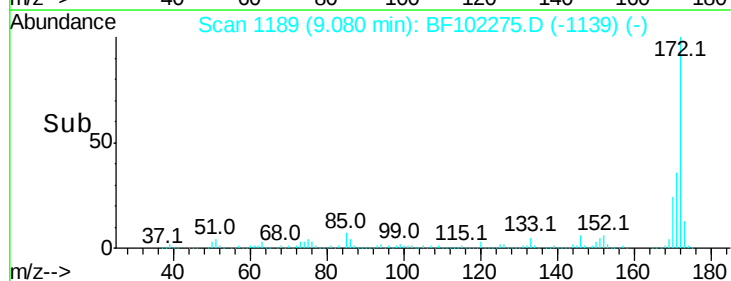
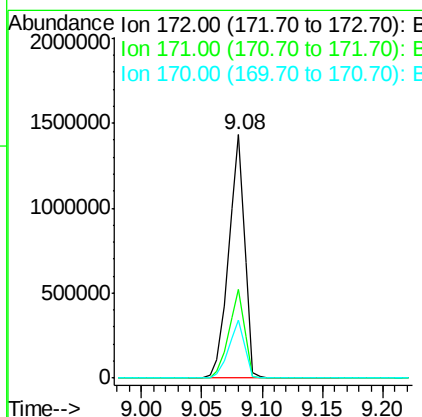
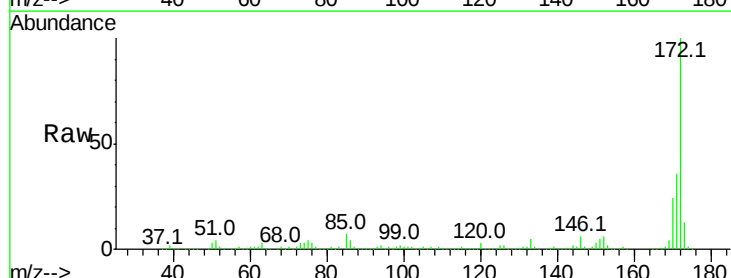
Instrument :
 BNA_F
 ClientSampleId :

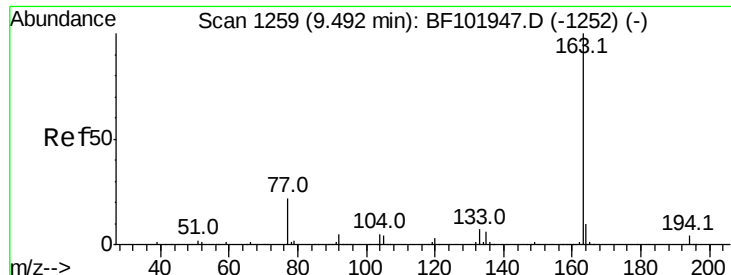
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	36.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 80.102 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102275.D
 Acq: 20 Jan 2018 19:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.9	19.6	29.4





#49

Dimethylphthalate

Concen: 9.176 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Instrument :

BNA_F

ClientSampleId :

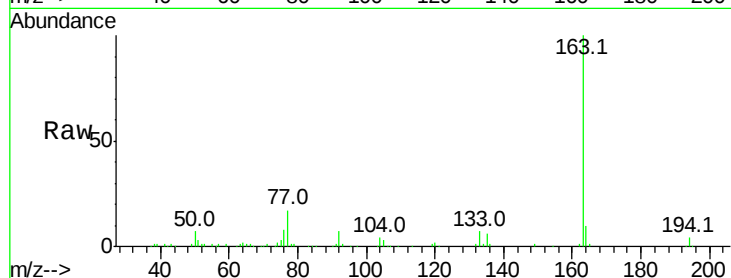
Tot Ion:163 Resp: 188020

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

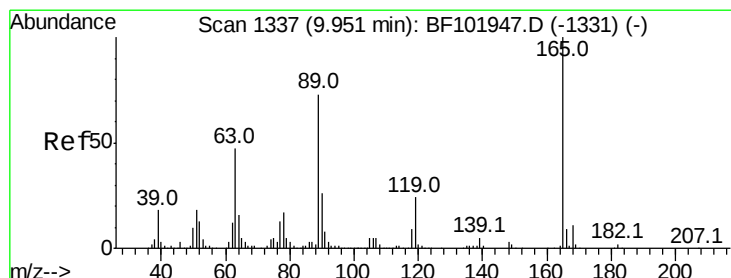
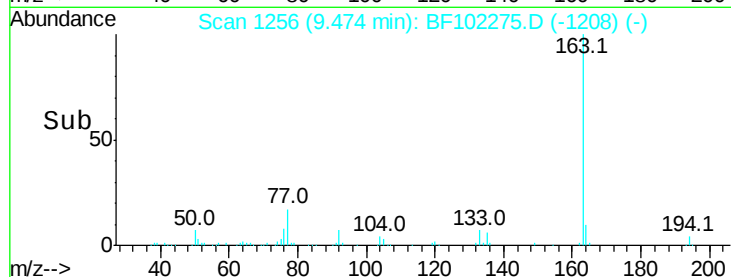
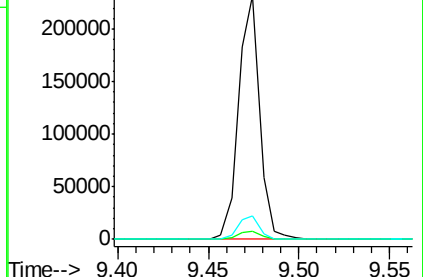
164 9.6 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.448 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Tgt Ion:165 Resp: 33077

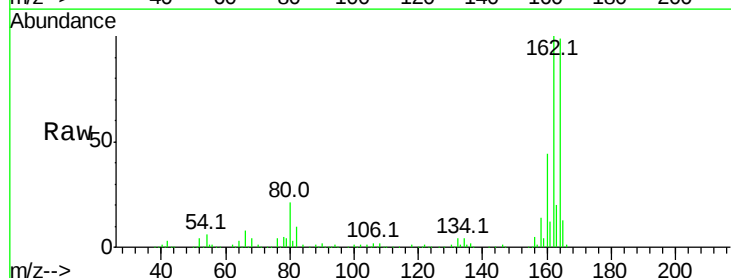
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

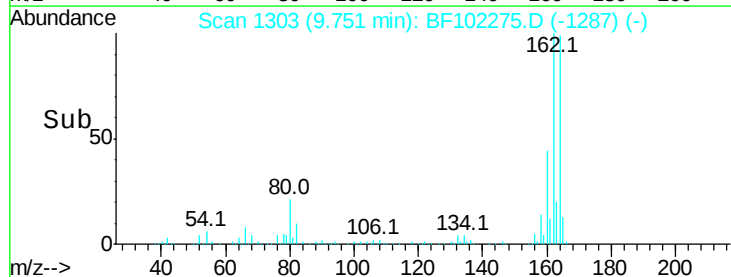
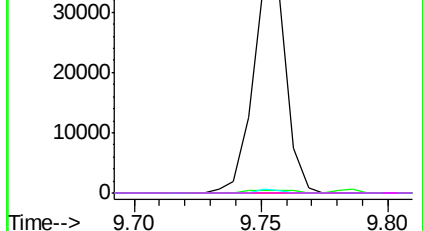


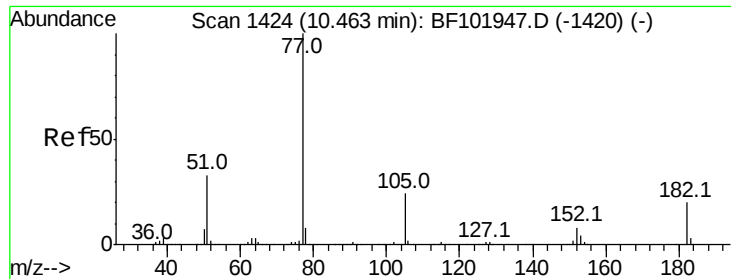
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 4.698 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 95274

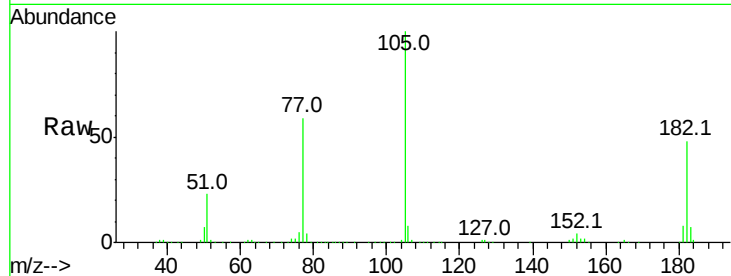
Ion Ratio Lower Upper

77 100

182 81.0 1.7 41.7#

105 169.6 3.0 43.0#

51 39.7 9.9 49.9

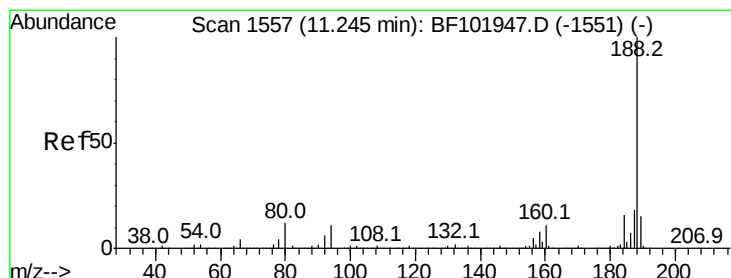
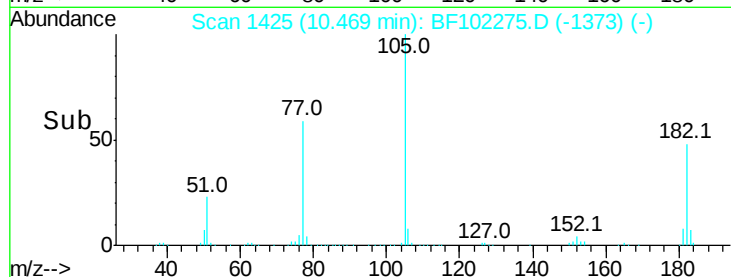
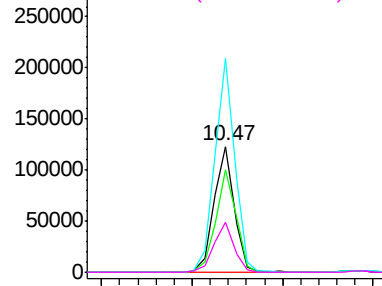


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

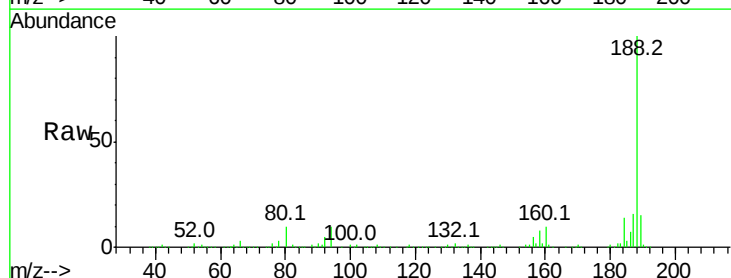
Tgt Ion: 188 Resp: 377081

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

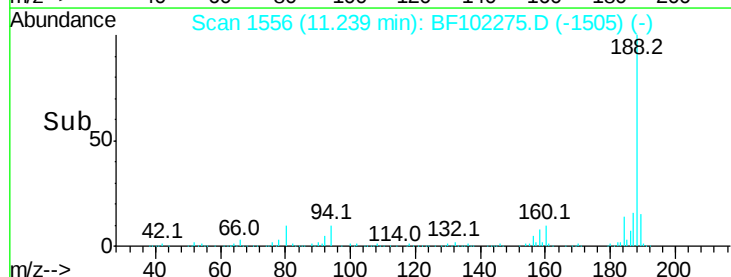
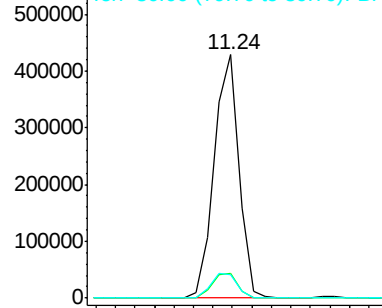
80 9.8 9.2 13.8

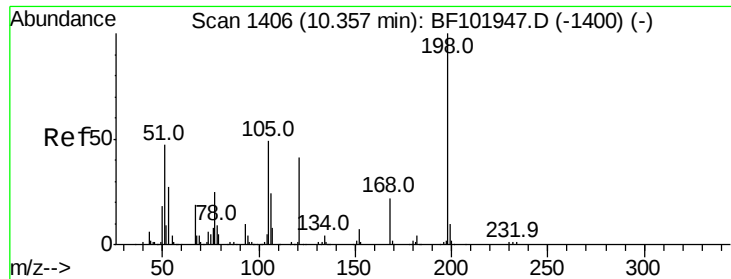


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 5.840 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.18 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Instrument :

BNA_F

ClientSampled :

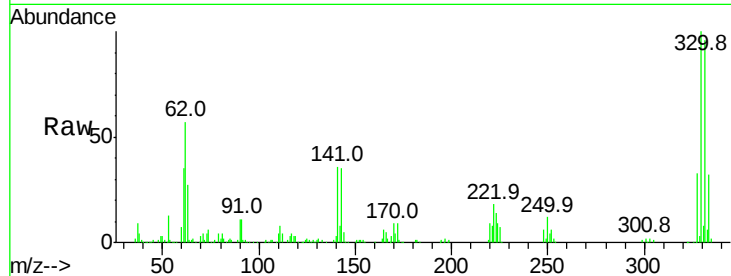
Tot Ion:198 Resp: 414

Ion Ratio Lower Upper

198 100

51 193.4 37.7 77.7#

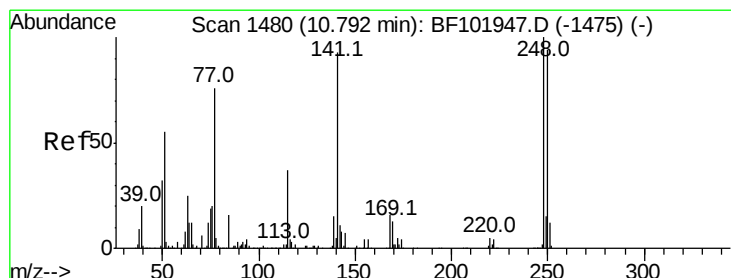
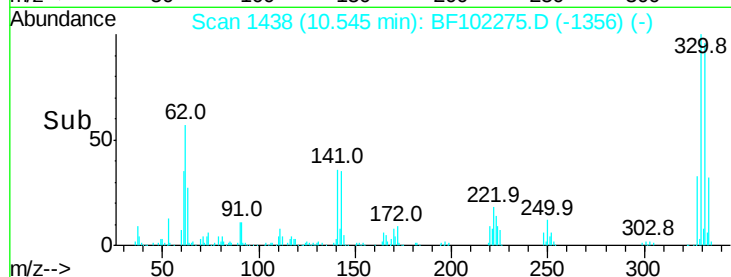
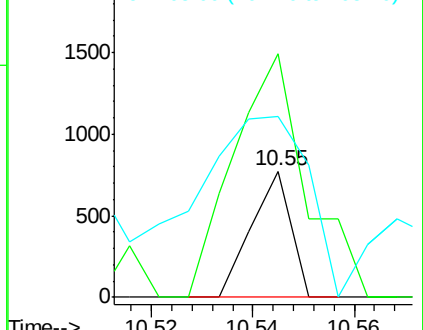
105 143.8 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.491 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.25 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

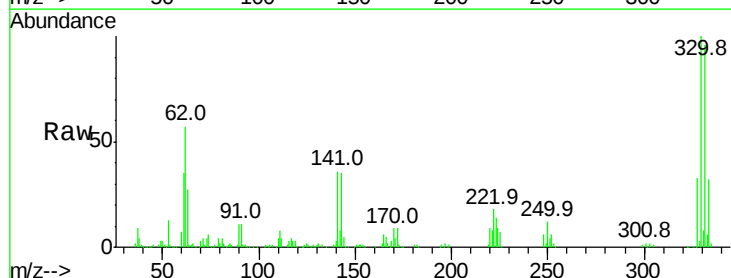
Tgt Ion:248 Resp: 13902

Ion Ratio Lower Upper

248 100

250 198.2 76.9 115.3#

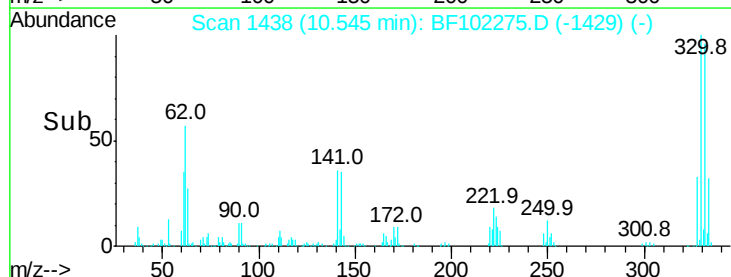
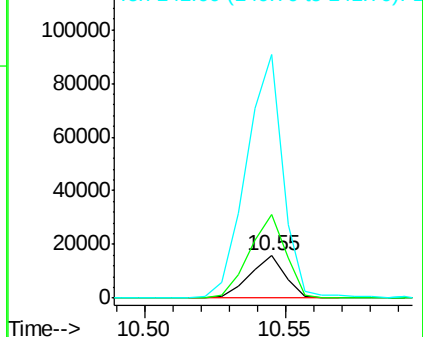
141 577.1 74.4 111.6#

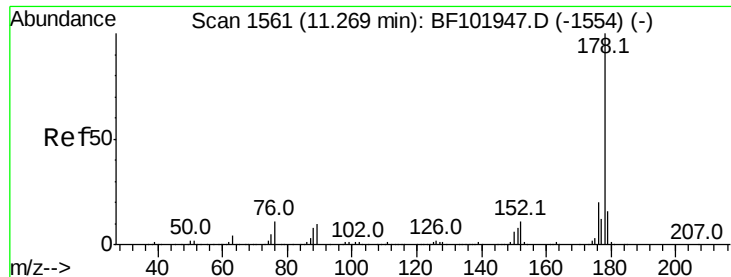


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.834 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Instrument :

BNA_F

ClientSampleId :

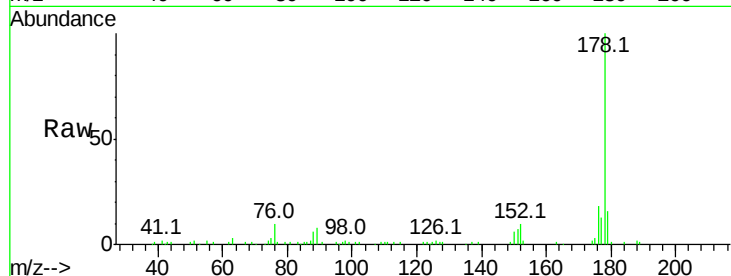
Tot Ion:178 Resp: 62425

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

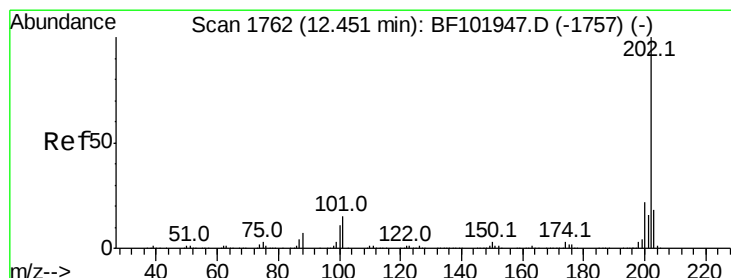
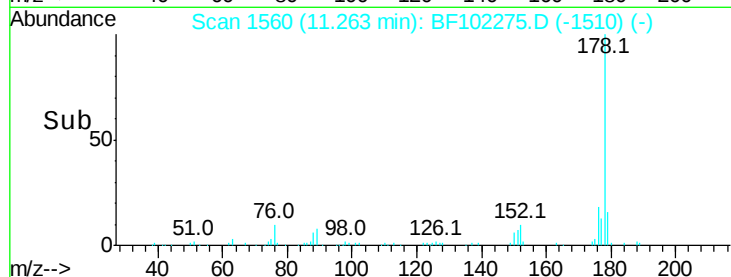
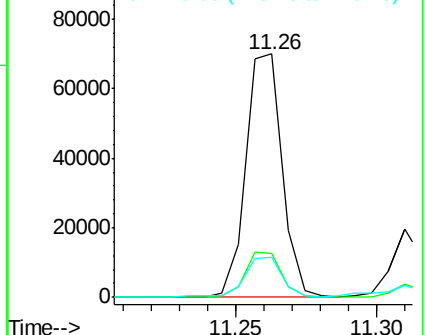
179 16.2 13.0 19.6



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



#74

Fluoranthene

Concen: 3.714 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

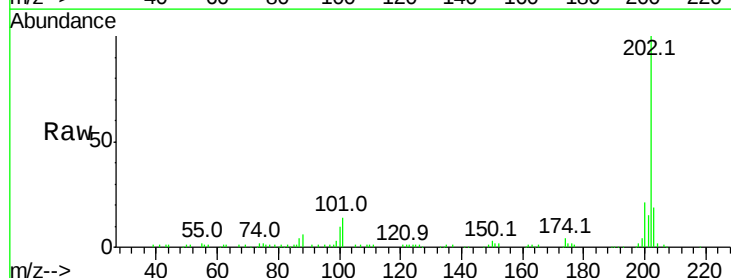
Tgt Ion:202 Resp: 80485

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

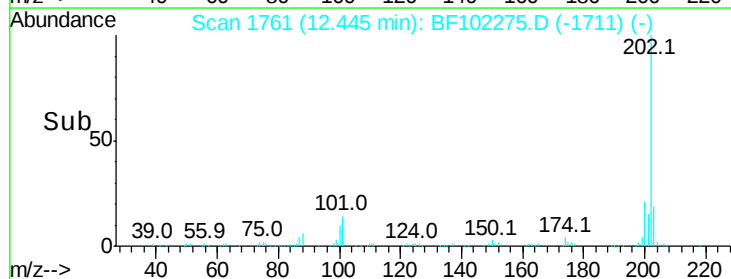
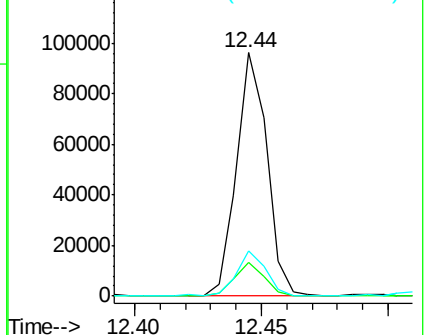
203 18.8 0.0 38.1

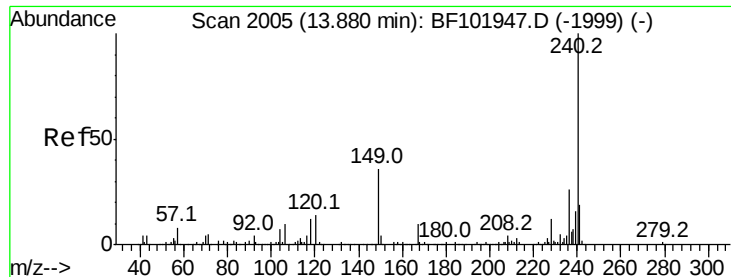


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Instrument :

BNA_F

ClientSampleId :

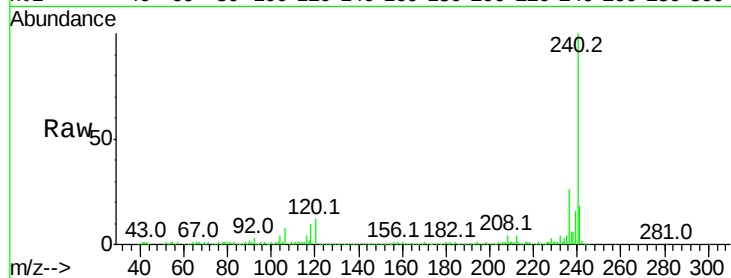
Tot Ion:240 Resp: 292694

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

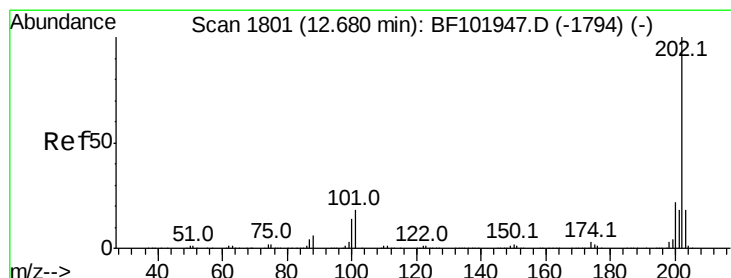
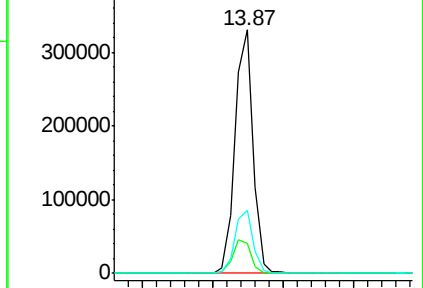
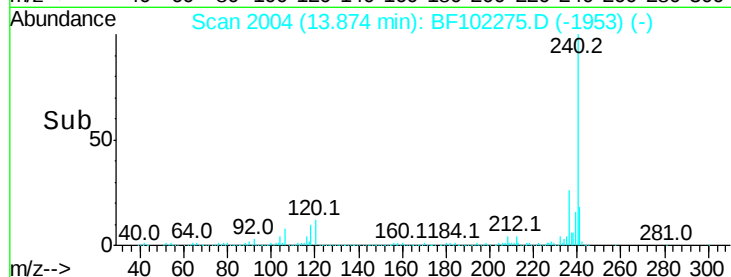
236 25.7 20.7 31.1



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: 2.873 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

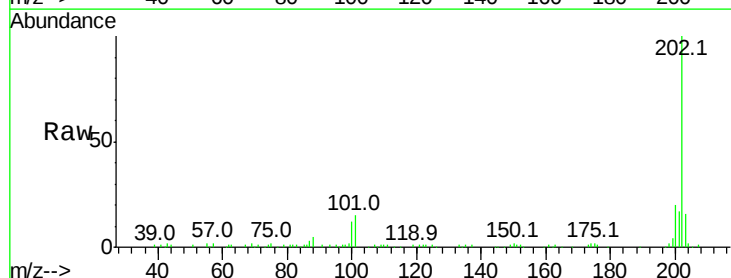
Tgt Ion:202 Resp: 74320

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

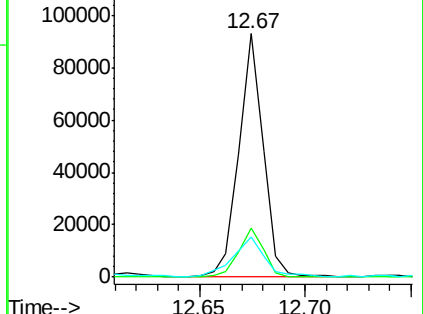
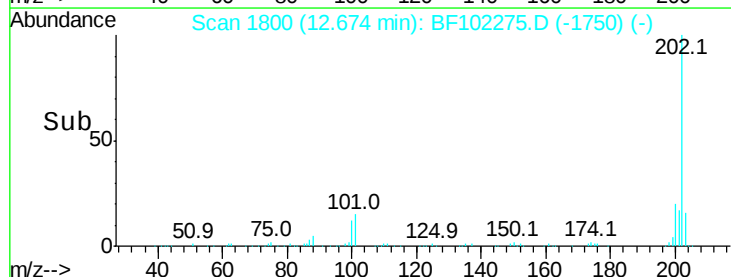
203 16.5 14.3 21.5

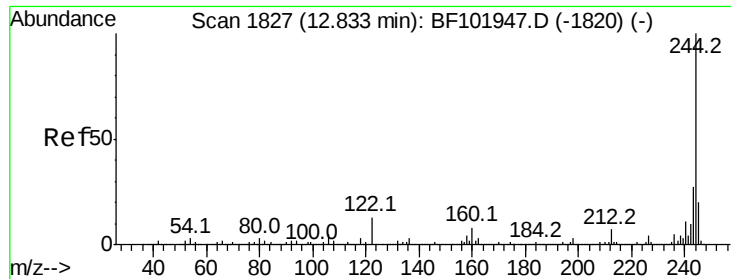


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.832 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Instrument :

BNA_F

ClientSampleId :

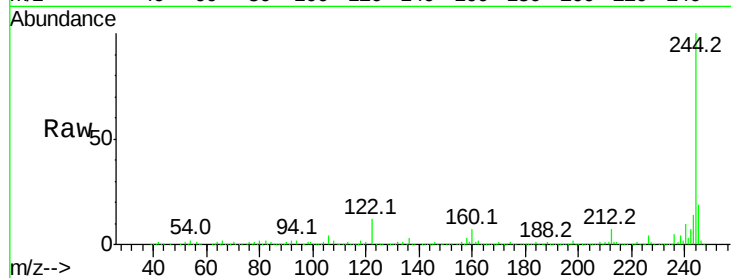
Tot Ion:244 Resp: 913946

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

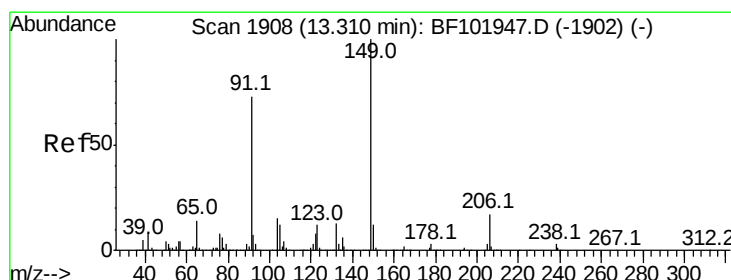
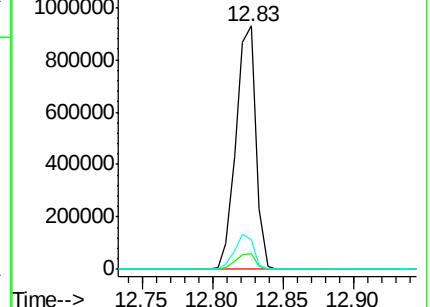
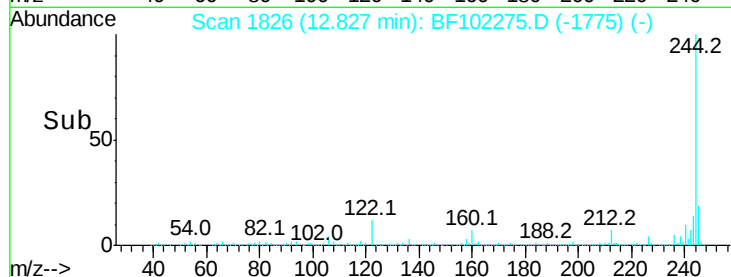
122 12.2 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 2.653 ng

RT: 13.30 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

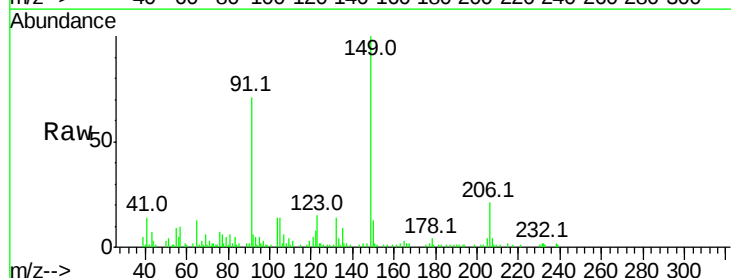
Tgt Ion:149 Resp: 31501

Ion Ratio Lower Upper

149 100

91 71.5 56.8 85.2

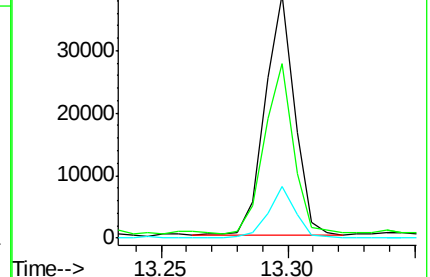
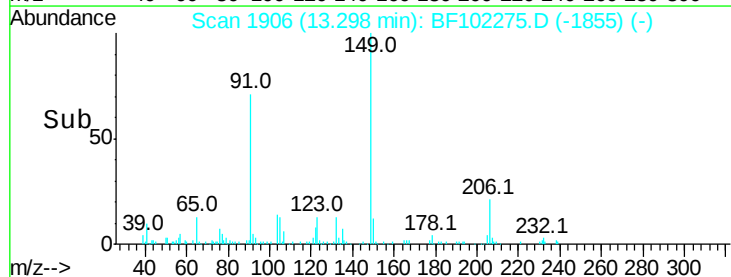
206 21.1 14.1 21.1

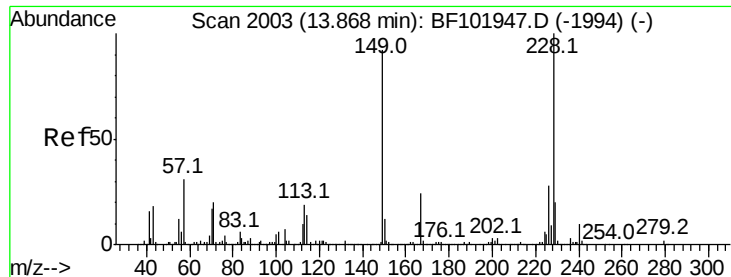


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

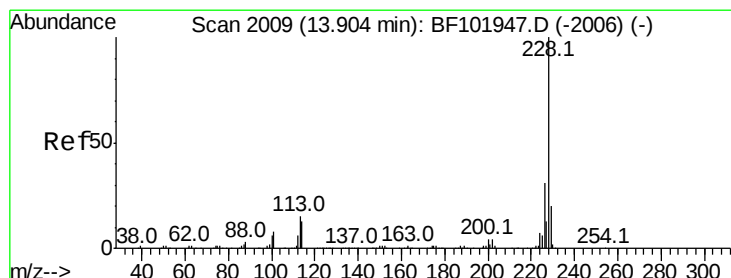
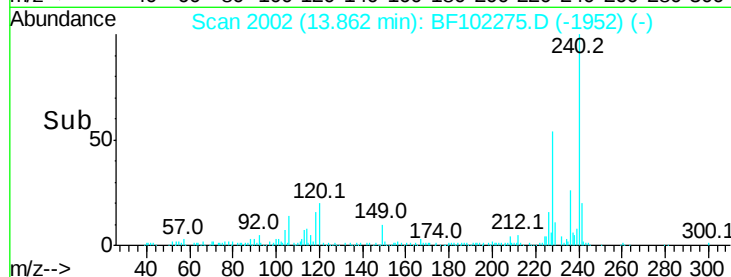
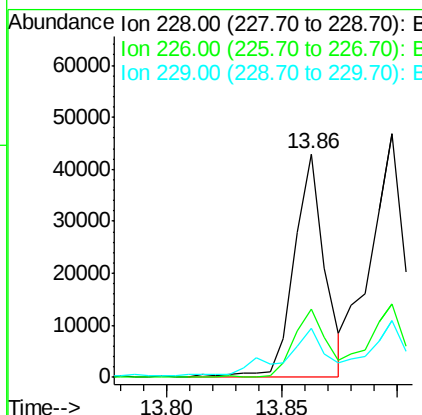
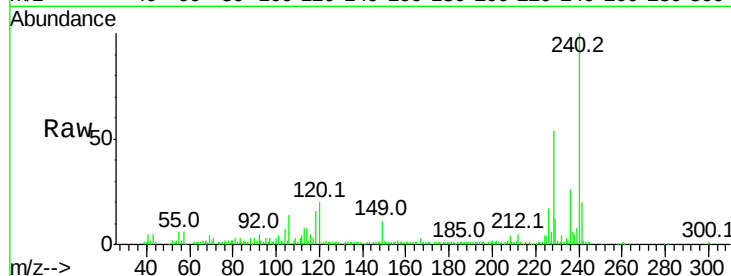




#80
Benzo(a)anthracene
Concen: 2.113 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102275.D
Acq: 20 Jan 2018 19:29

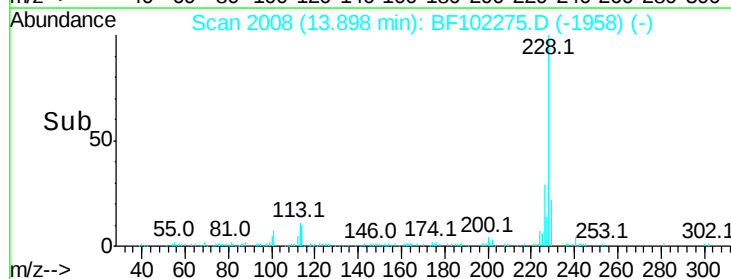
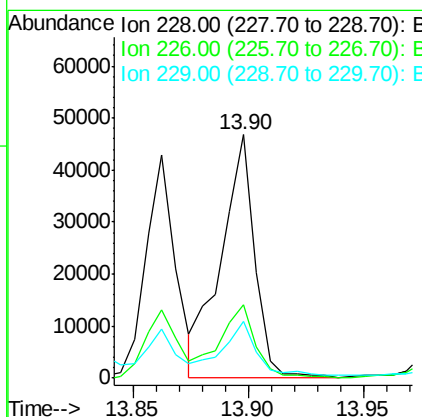
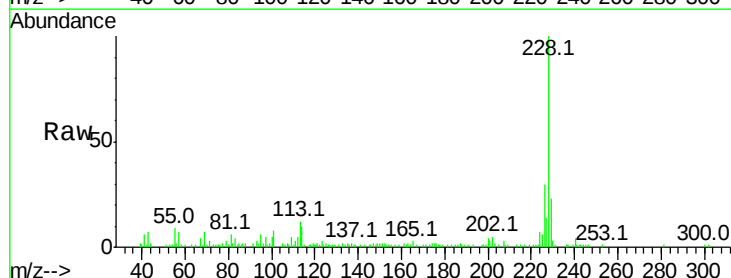
Instrument :
BNA_F
ClientSampleId :

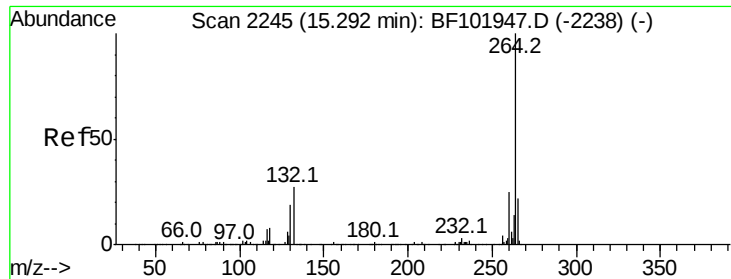
Tot Ion:228 Resp: 39451
Ion Ratio Lower Upper
228 100
226 30.6 22.6 33.8
229 21.9 15.8 23.6



#82
Chrysene
Concen: 2.449 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102275.D
Acq: 20 Jan 2018 19:29

Tgt Ion:228 Resp: 47691
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 23.5 16.2 24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

Instrument :

BNA_F

ClientSampleId :

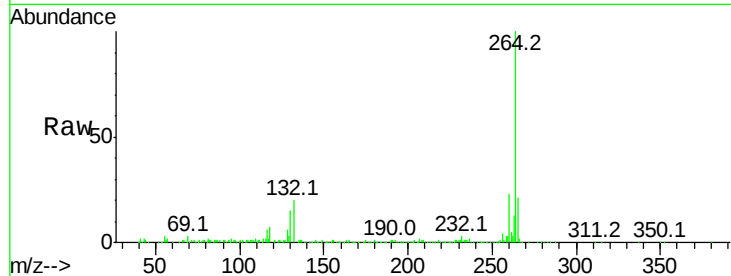
Tot Ion:264 Resp: 223730

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

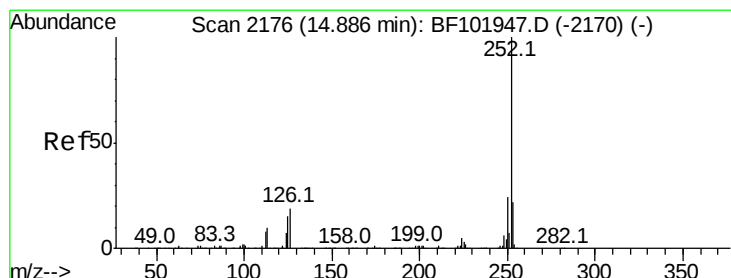
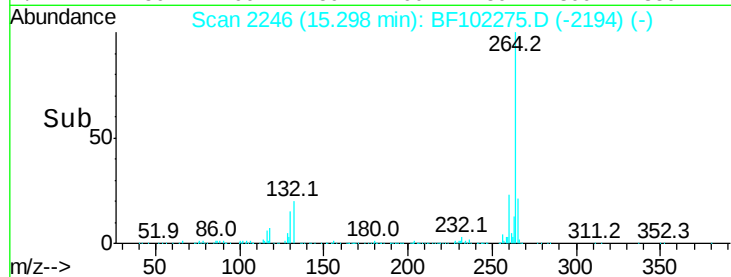
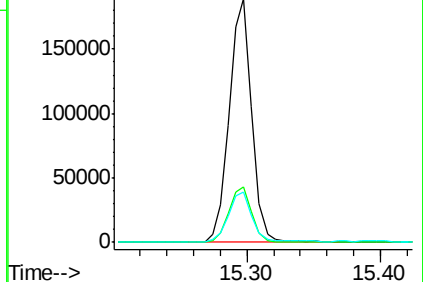
265 20.9 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 4.951 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BF102275.D

Acq: 20 Jan 2018 19:29

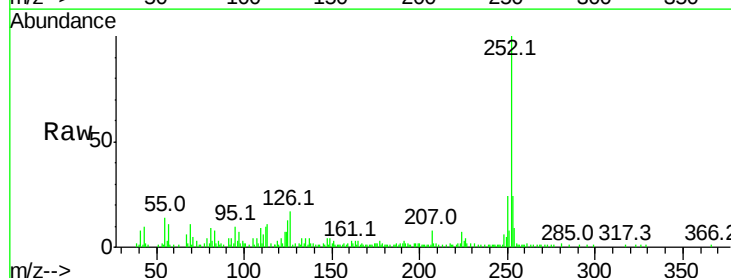
Tgt Ion:252 Resp: 72225

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

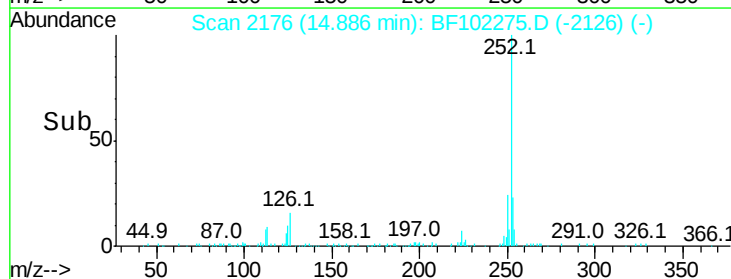
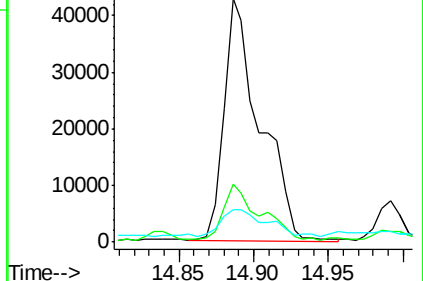
125 13.5 9.0 13.6

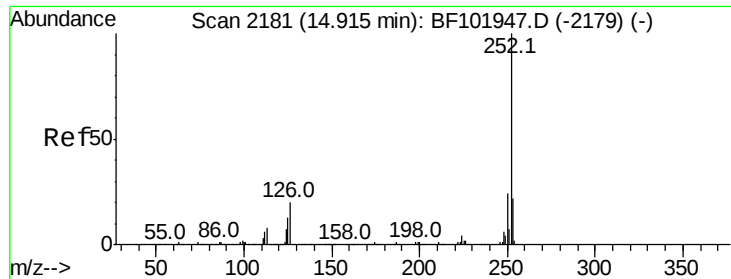


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

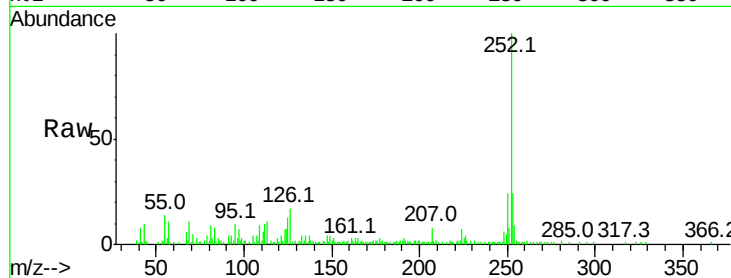




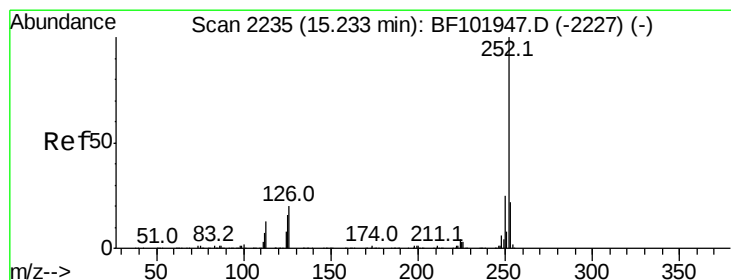
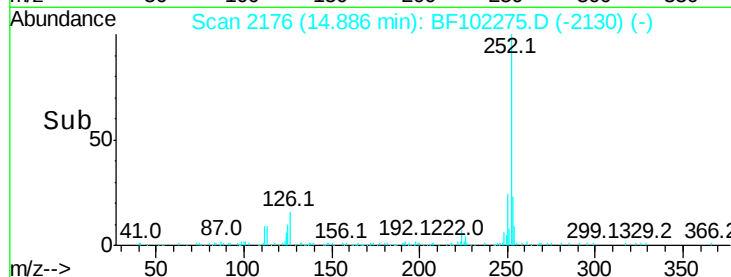
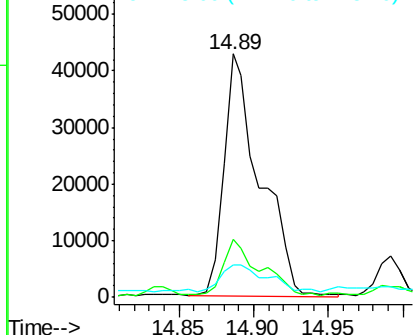
#88
Benzo(k)fluoranthene
Concen: 5.132 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF102275.D
Acq: 20 Jan 2018 19:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 72225
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 13.5 10.2 15.2

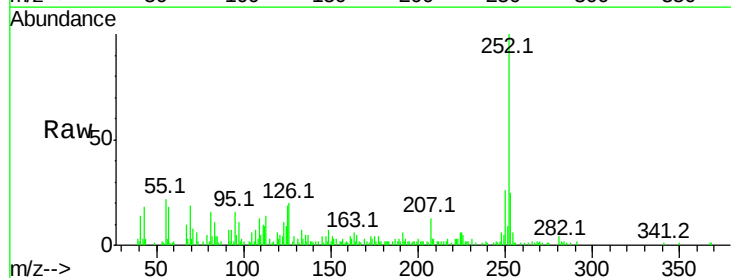


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.214 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF102275.D
Acq: 20 Jan 2018 19:29

Tgt Ion:252 Resp: 29058
Ion Ratio Lower Upper
252 100
253 25.3 17.1 25.7
125 19.1 9.8 14.6#



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

