

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102927.D
 Acq On : 12 Feb 2018 18:17
 Operator : SJ/JU
 Sample : J1517-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 01:04:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	182236	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	734463	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	277029	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	244772	20.00	ng	0.02
75) Chrysene-d12	14.06	240	305701	20.00	ng	0.01
86) Perylene-d12	15.54	264	297970	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	33383	2.78	ng	0.01
7) Phenol-d6	6.50	99	458189	31.71	ng	0.00
23) Nitrobenzene-d5	7.45	82	867086	81.90	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	109	0.05	ng	0.01
44) 2-Fluorobiphenyl	9.25	172	1362568	81.62	ng	0.00
78) Terphenyl-d14	13.01	244	717390	55.56	ng	0.01

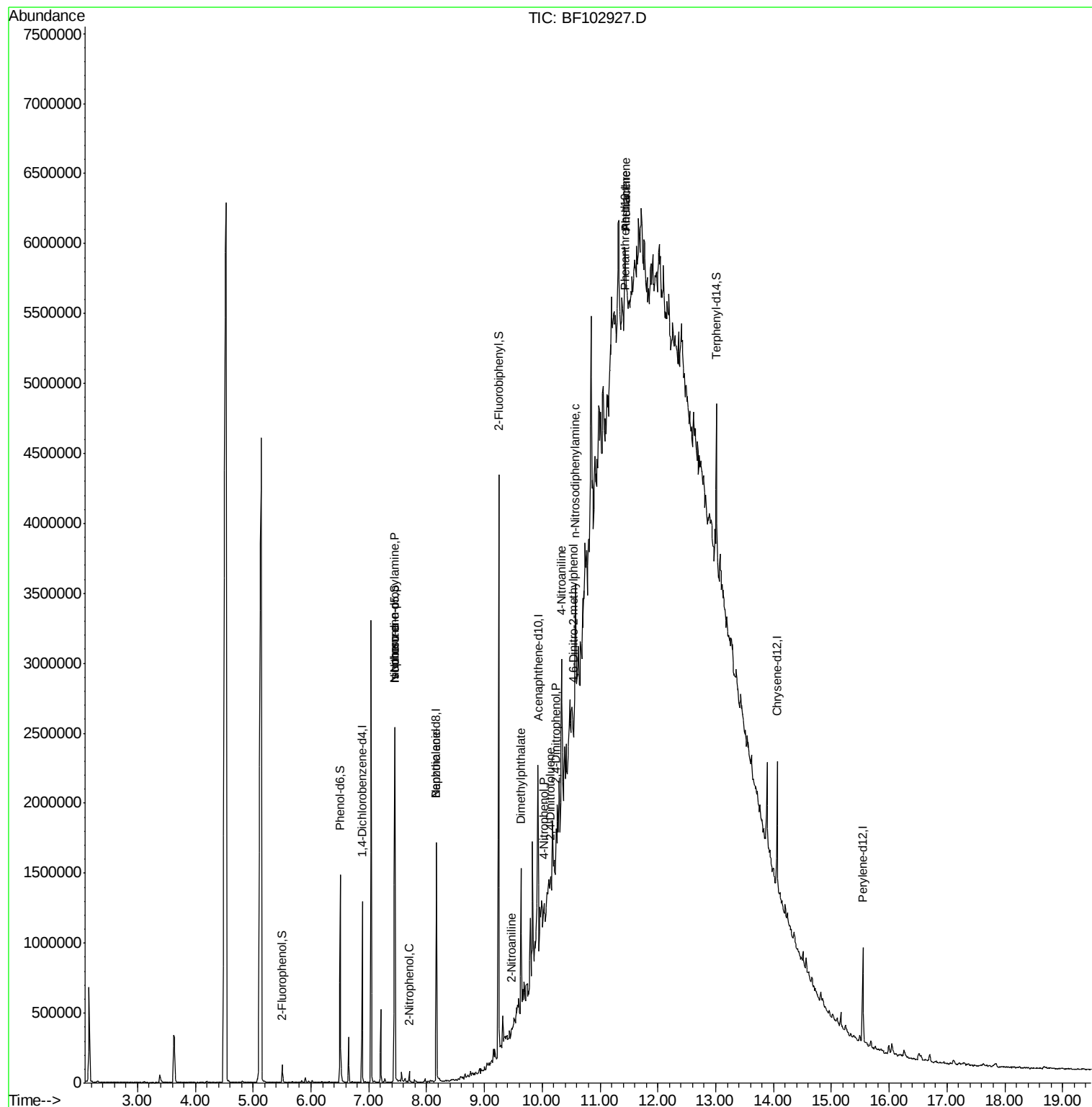
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	114849	12.06	ng	# 83
24) Nitrobenzene	7.48	77	113	Below	Cal	# 1
25) Isophorone	7.45	82	864463	35.46	ng	# 64
26) 2-Nitrophenol	7.70	139	499	8.75	ng	# 51
32) Benzoic acid	8.17	122	123	8.56	ng	# 1
47) 2-Nitroaniline	9.47	65	890	3.62	ng	# 52
49) Dimethylphthalate	9.63	163	110167	5.10	ng	# 93
53) 2,4-Dinitrophenol	10.25	184	1238	9.63	ng	# 79
55) 4-Nitrophenol	10.03	139	3126	4.74	ng	# 1
56) 2,4-Dinitrotoluene	10.13	165	2971	3.58	ng	# 36
61) 4-Nitroaniline	10.33	138	10999	2.29	ng	# 77
64) 4,6-Dinitro-2-methylphenol	10.54	198	911	9.62	ng	# 1
65) n-Nitrosodiphenylamine	10.58	169	24901	2.88	ng	# 69
70) Phenanthrene	11.45	178	63498	4.66	ng	# 72
71) Anthracene	11.45	178	63498	4.58	ng	# 70

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102927.D
Acq On : 12 Feb 2018 18:17
Operator : SJ/JU
Sample : J1517-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Feb 13 01:04:41 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration



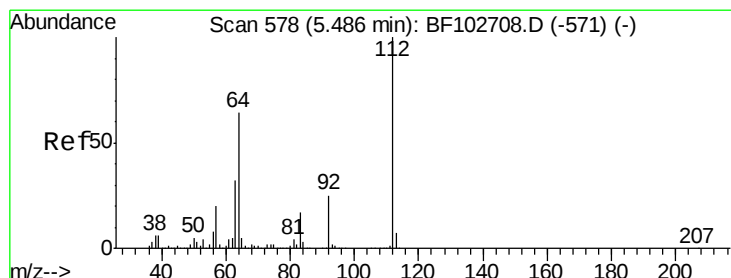
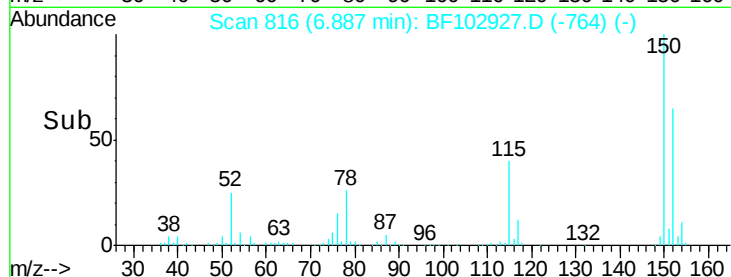
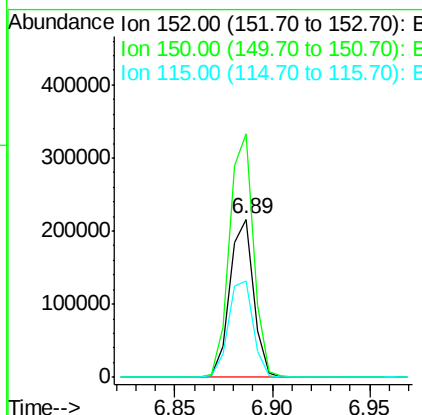
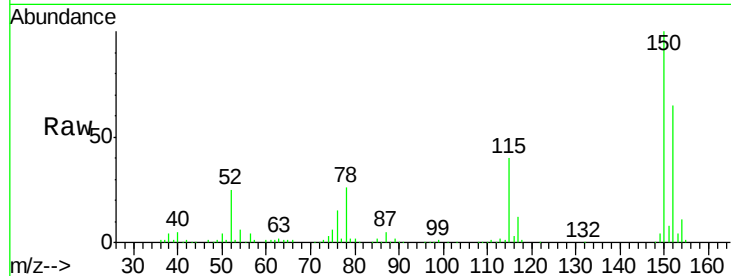


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102927.D
Acq: 12 Feb 2018 18:17

Instrument :
BNA_F
ClientSampleId :

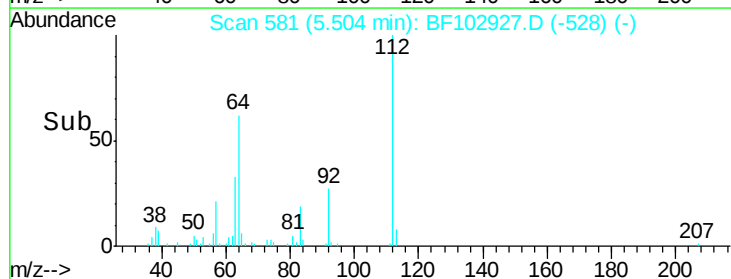
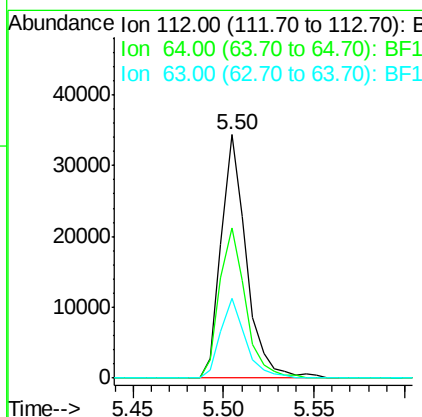
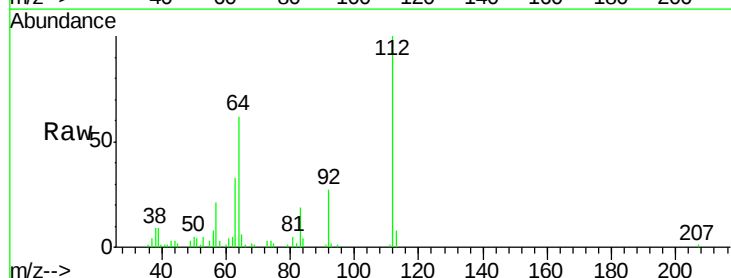
Tot Ion:152 Resp: 182236
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 61.1 50.1 75.1

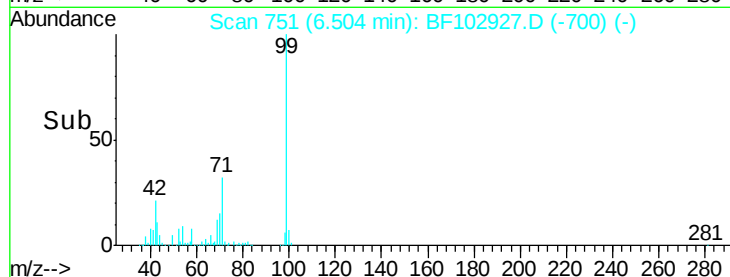
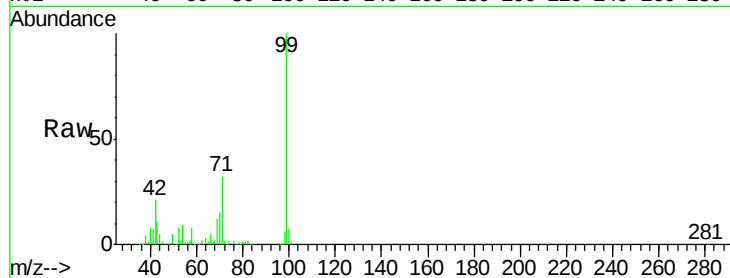


#5

2-Fluorophenol
Concen: 2.78 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102927.D
Acq: 12 Feb 2018 18:17

Tgt Ion:112 Resp: 33383
Ion Ratio Lower Upper
112 100
64 61.7 47.9 71.9
63 32.6 23.7 35.5





#7

Phenol-d6

Concen: 31.71 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

Instrument :

BNA_F

ClientSampleId :

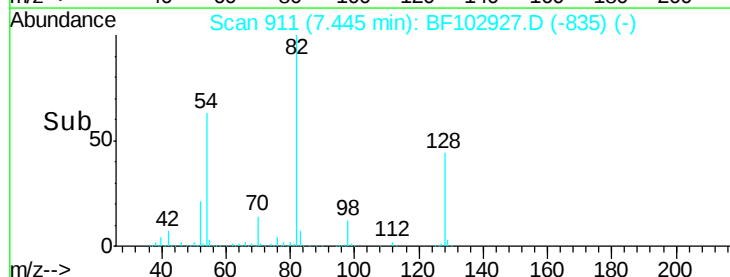
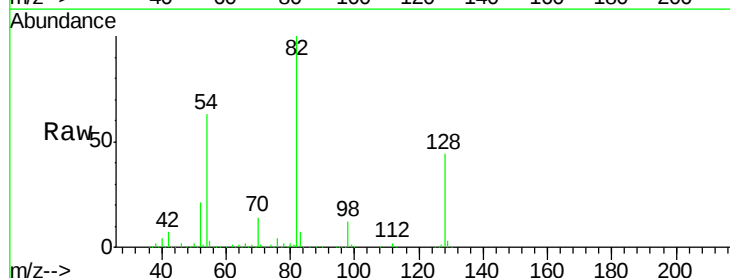
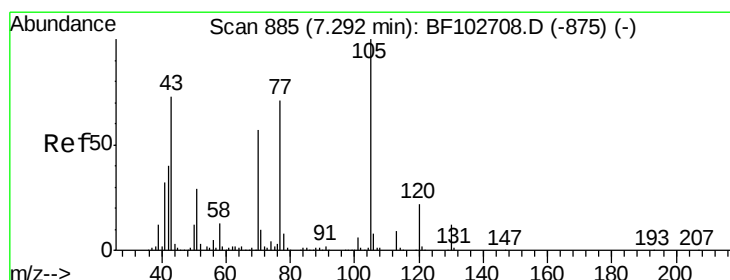
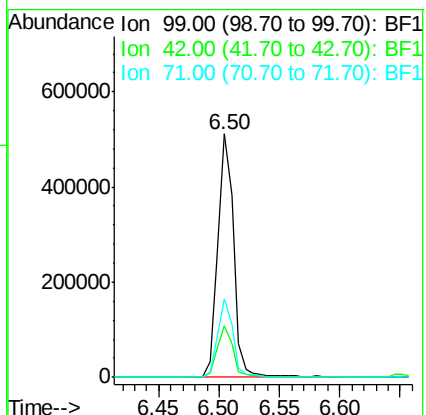
Tot Ion: 99 Resp: 458189

Ion Ratio Lower Upper

99 100

42 21.5 14.5 21.7

71 32.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.06 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

Tgt Ion: 70 Resp: 114849

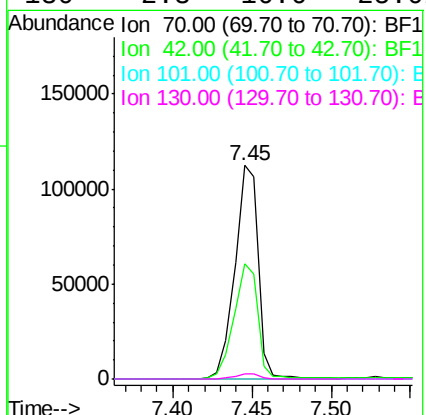
Ion Ratio Lower Upper

70 100

42 54.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

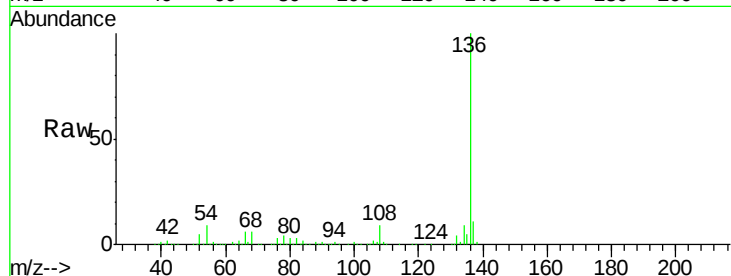




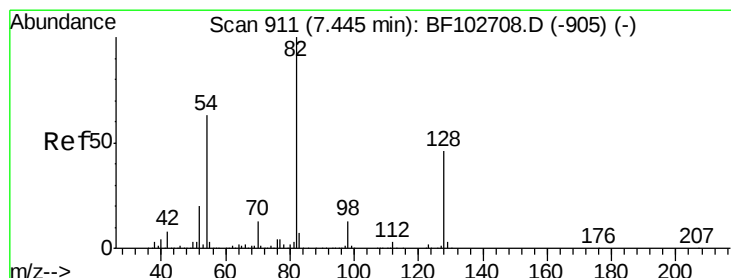
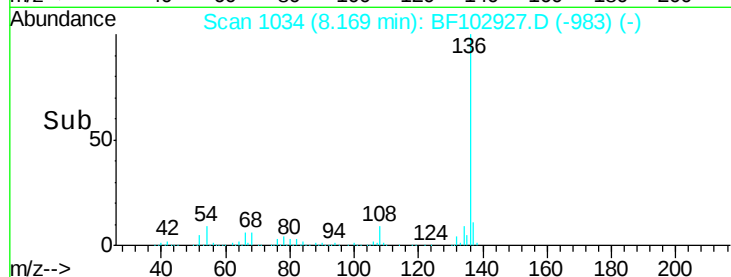
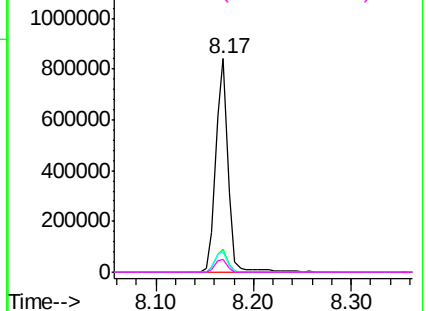
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF102927.D
Acq: 12 Feb 2018 18:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	734463
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	9.4	6.6 9.8
68	6.2	5.0 7.4

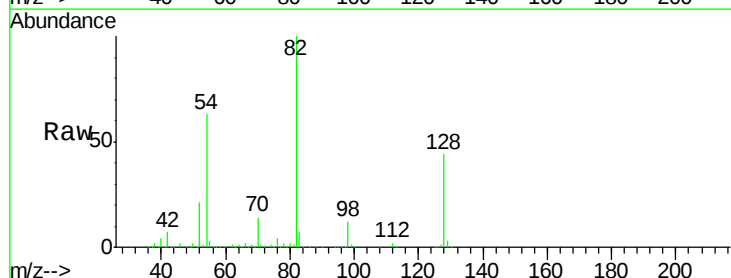


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

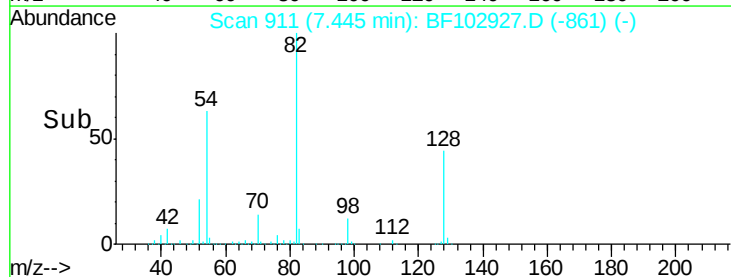
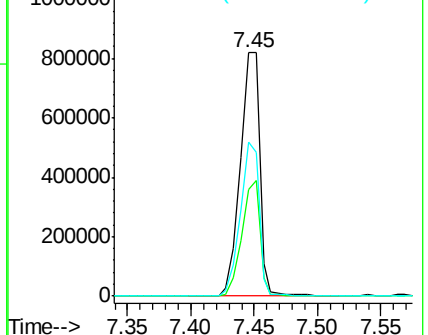


#23
Nitrobenzene-d5
Concen: 81.90 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102927.D
Acq: 12 Feb 2018 18:17

Tgt Ion: 82	Resp:	867086
Ion Ratio	Lower	Upper
82	100	
128	43.6	36.1 54.1
54	63.5	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: 35.46 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

Instrument :

BNA_F

ClientSampleId :

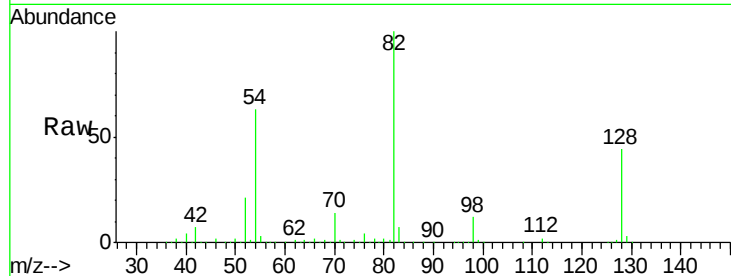
Tot Ion: 82 Resp: 864463

Ion Ratio Lower Upper

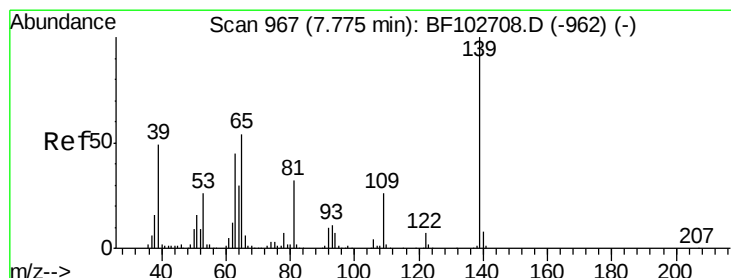
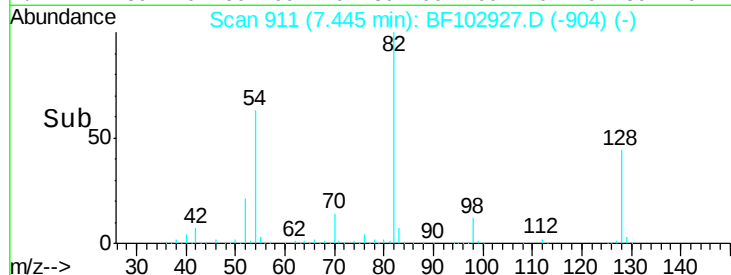
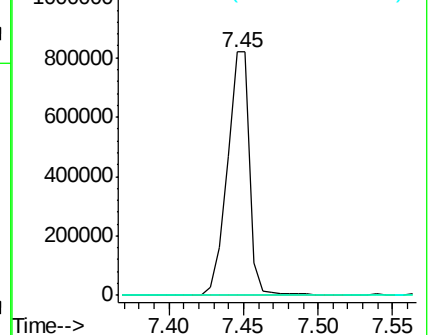
82 100

95 0.1 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



#26

2-Nitrophenol

Concen: 8.75 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.08 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

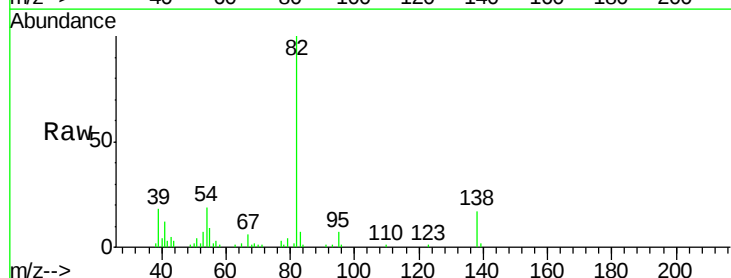
Tgt Ion: 139 Resp: 499

Ion Ratio Lower Upper

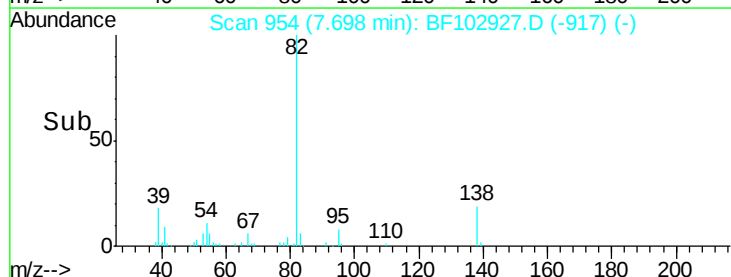
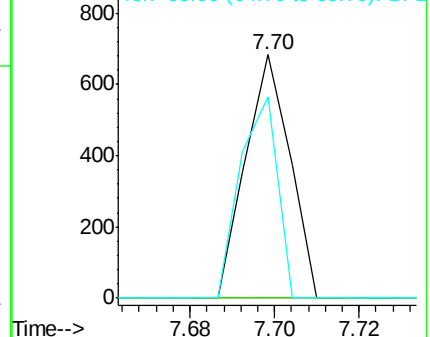
139 100

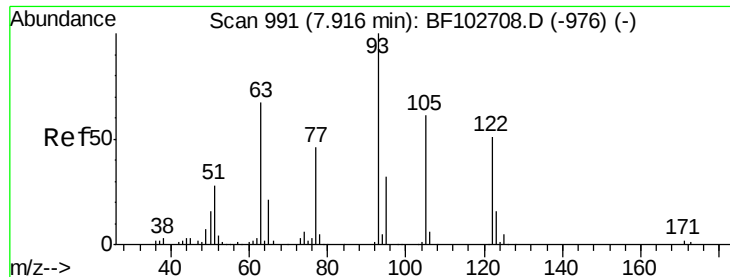
109 0.0 22.7 34.1#

65 82.6 40.5 60.7#



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

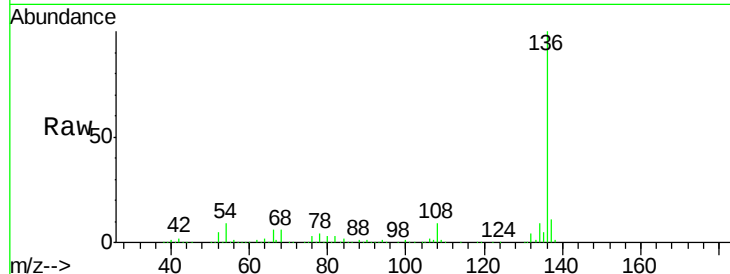




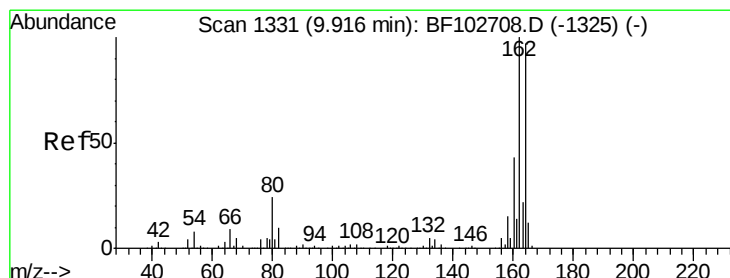
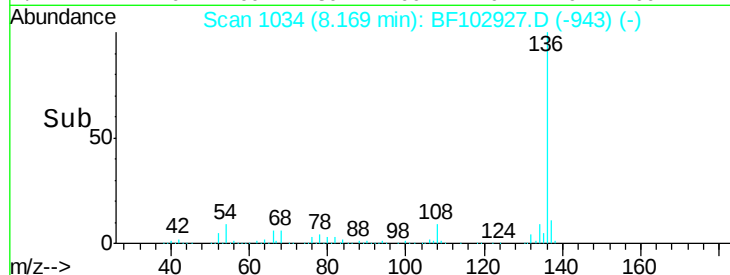
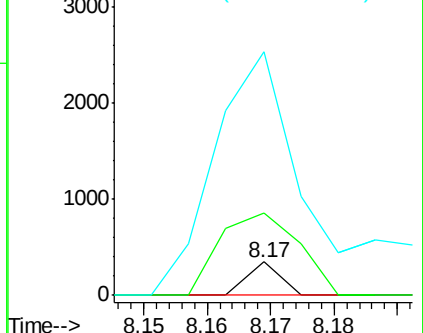
#32
Benzoic acid
Concen: 8.56 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.24 min
Lab File: BF102927.D
Acq: 12 Feb 2018 18:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 123
Ion Ratio Lower Upper
122 100
105 247.1 101.1 141.1#
77 727.3 70.7 110.7#

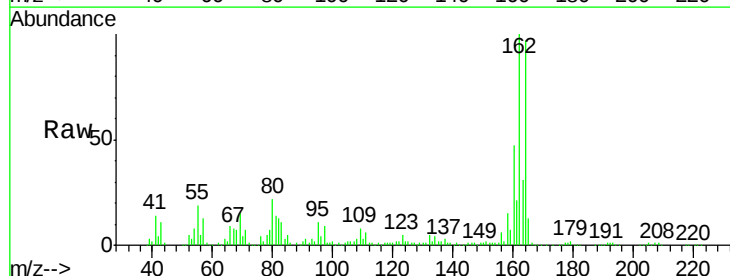


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

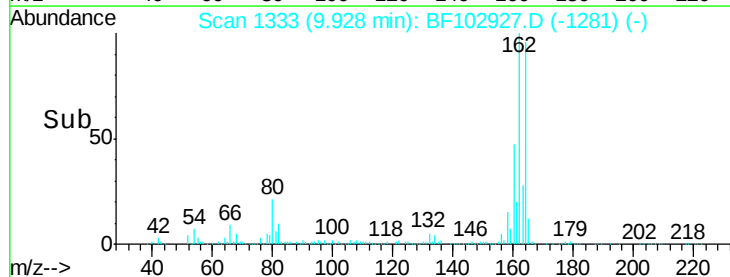
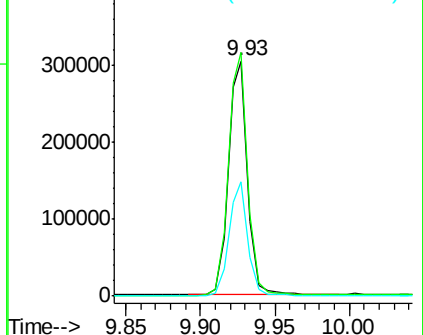


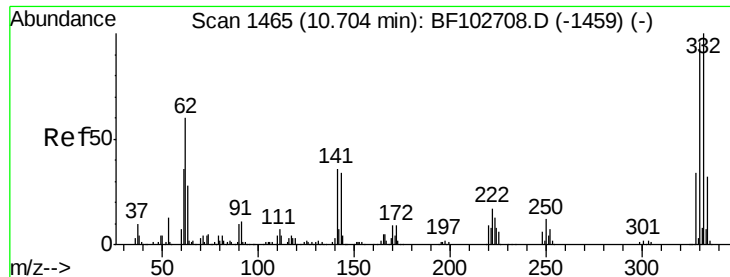
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF102927.D
Acq: 12 Feb 2018 18:17

Tgt Ion:164 Resp: 277029
Ion Ratio Lower Upper
164 100
162 103.6 86.1 129.1
160 48.4 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

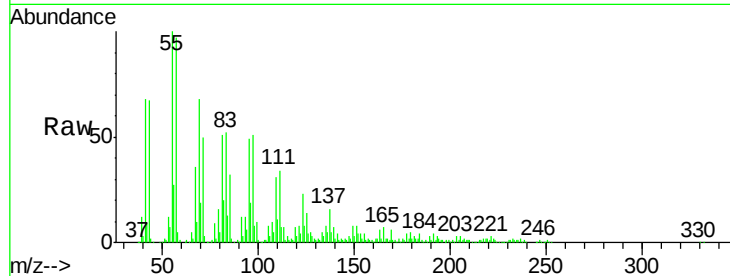




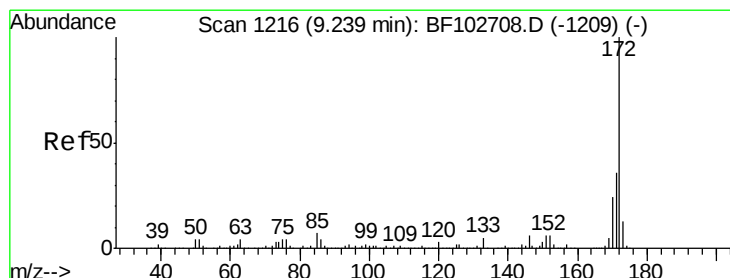
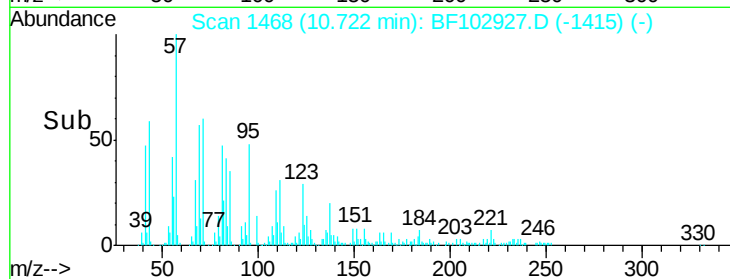
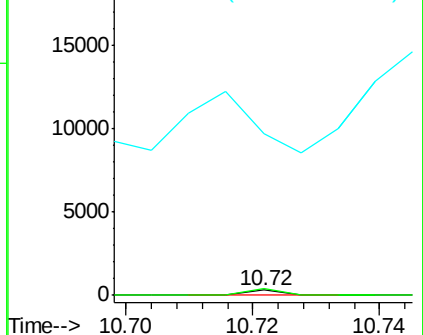
#41
 2,4,6-Tribromophenol
 Concen: 0.05 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BF102927.D
 Acq: 12 Feb 2018 18:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 109
 Ion Ratio Lower Upper
 330 100
 332 122.0 77.0 115.6#
 141 2744.0 29.9 44.9#

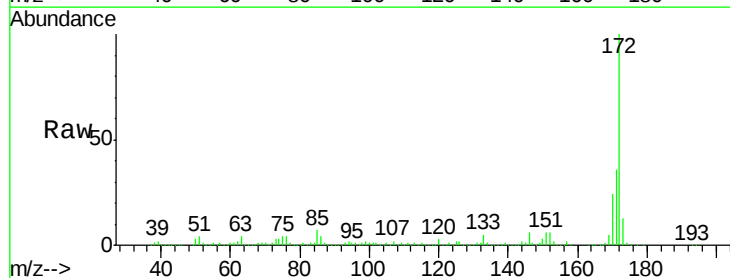


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

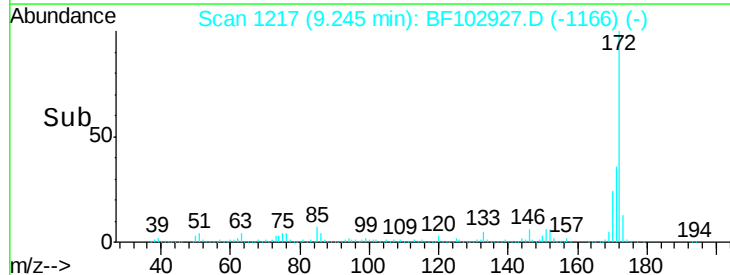
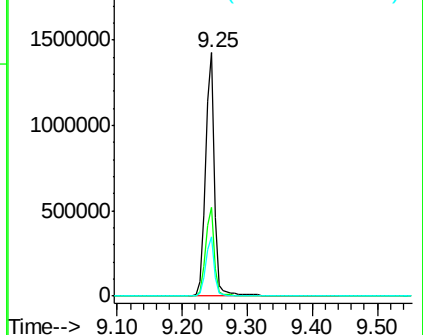


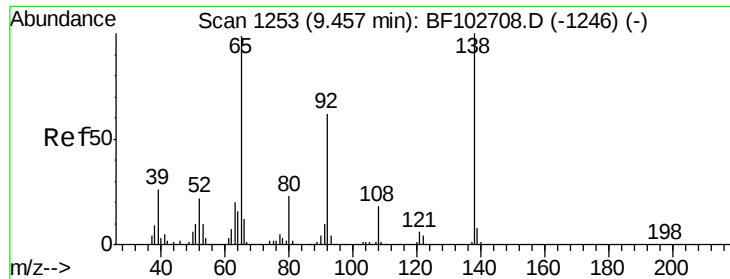
#44
 2-Fluorobiphenyl
 Concen: 81.62 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF102927.D
 Acq: 12 Feb 2018 18:17

Tgt Ion:172 Resp: 1362568
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.4 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





#47

2-Nitroaniline

Concen: 3.62 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

Instrument :

BNA_F

ClientSampleId :

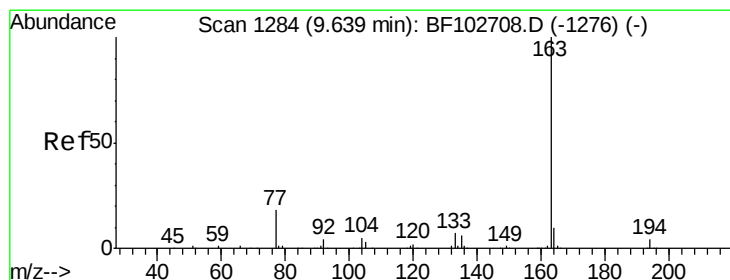
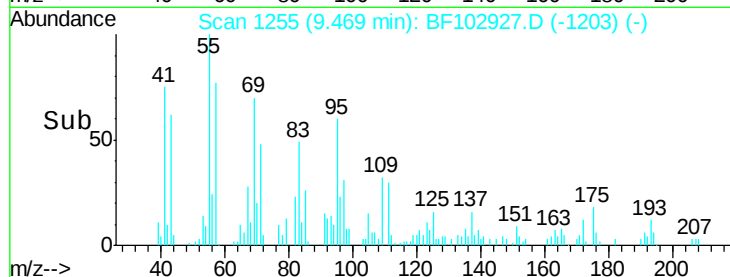
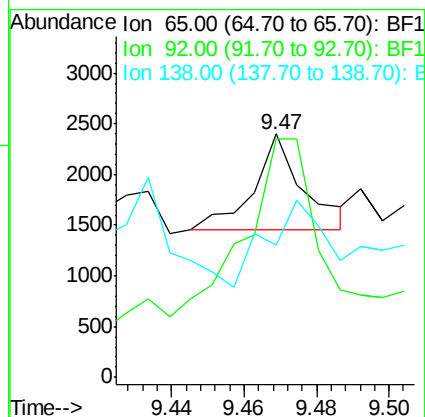
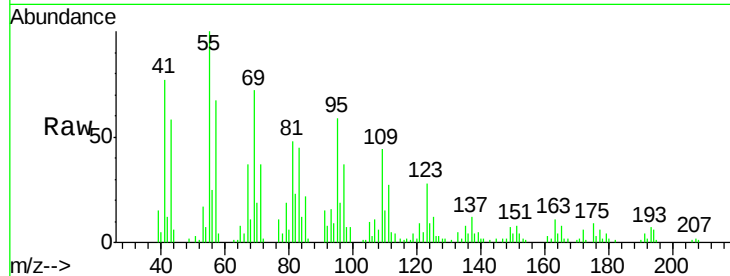
Tot Ion: 65 Resp: 890

Ion Ratio Lower Upper

65 100

92 98.0 55.8 83.6#

138 54.2 91.2 136.8#



#49

Dimethylphthalate

Concen: 5.10 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

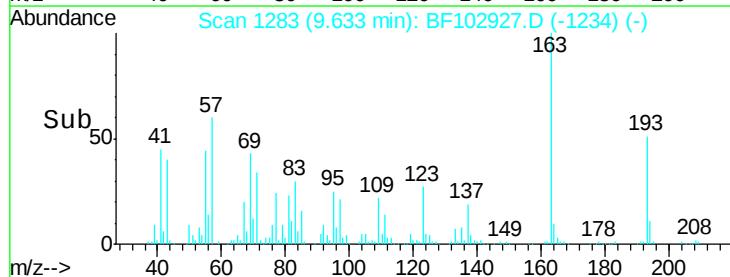
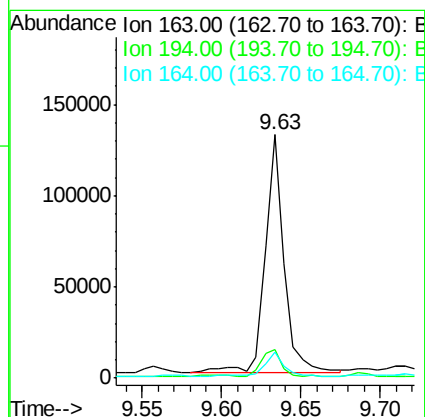
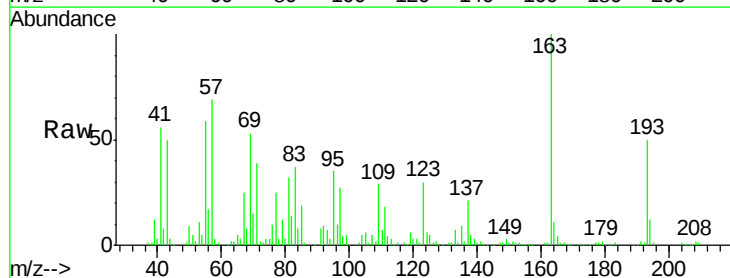
Tgt Ion: 163 Resp: 110167

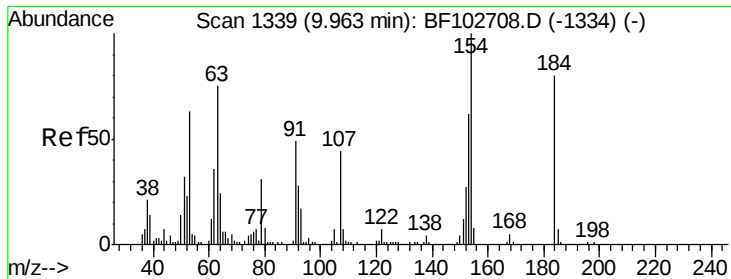
Ion Ratio Lower Upper

163 100

194 11.5 2.7 4.1#

164 10.6 8.2 12.2

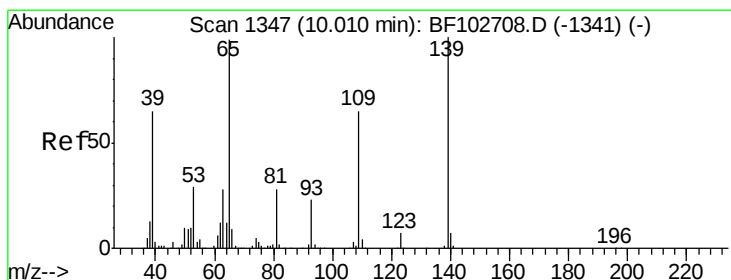
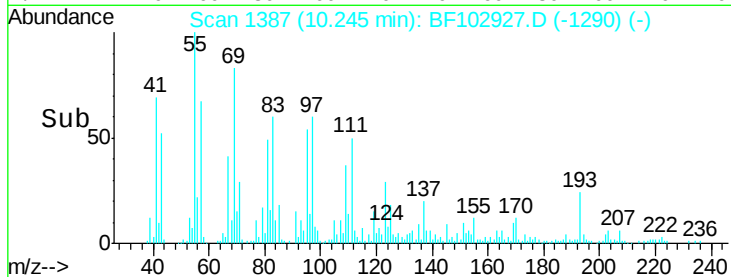
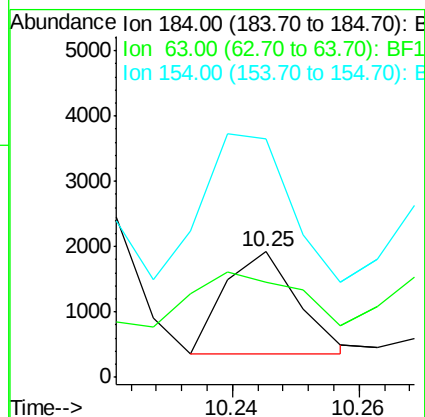
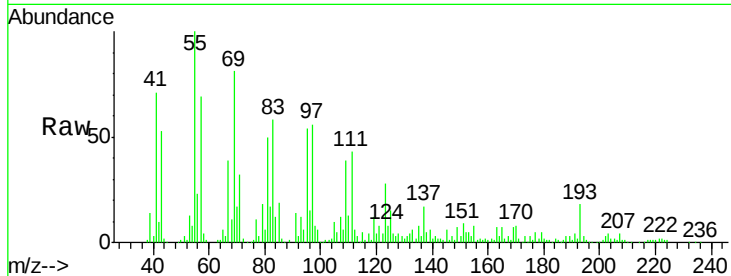




#53
 2,4-Dinitrophenol
 Concen: 9.63 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. 0.27 min
 Lab File: BF102927.D
 Acq: 12 Feb 2018 18:17

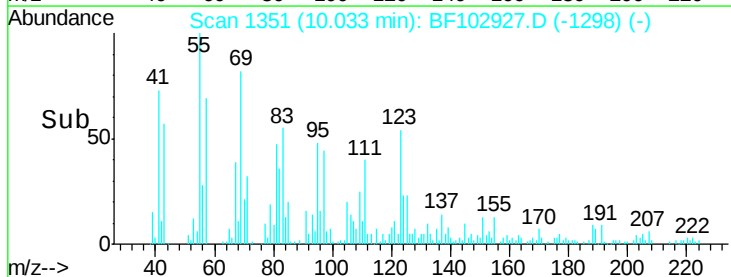
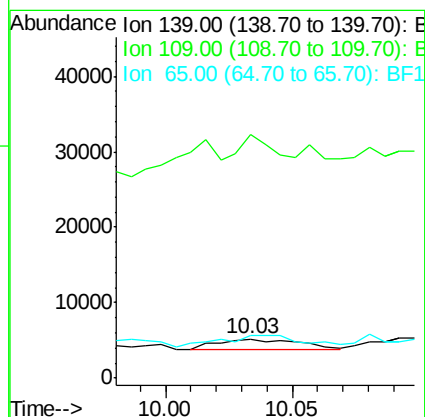
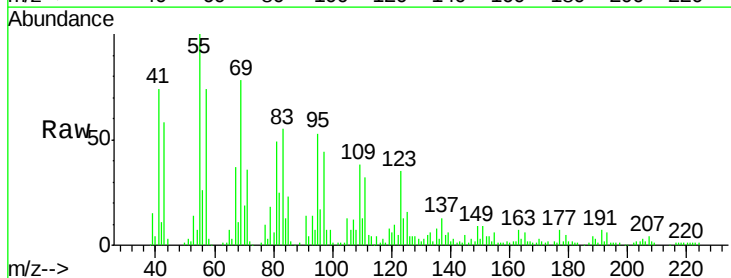
Instrument :
 BNA_F
 ClientSampleId :

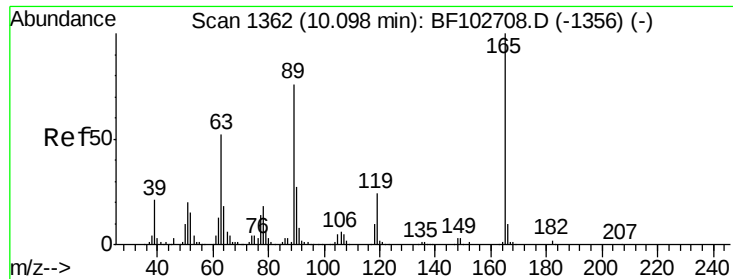
Tot Ion:184 Resp: 1238
 Ion Ratio Lower Upper
 184 100
 63 76.0 54.2 81.2
 154 189.9 184.0 276.0



#55
 4-Nitrophenol
 Concen: 4.74 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. 0.01 min
 Lab File: BF102927.D
 Acq: 12 Feb 2018 18:17

Tgt Ion:139 Resp: 3126
 Ion Ratio Lower Upper
 139 100
 109 619.0 48.4 88.4#
 65 108.1 72.6 112.6

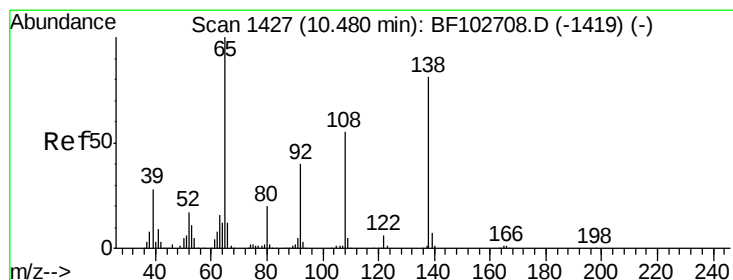
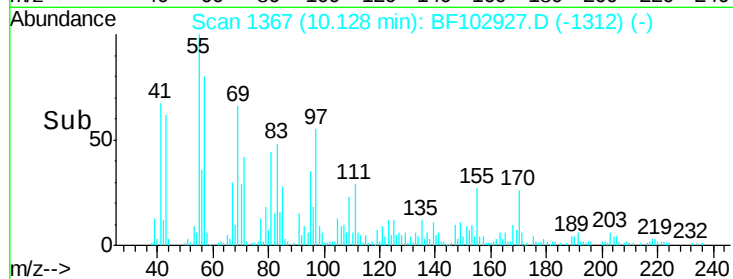
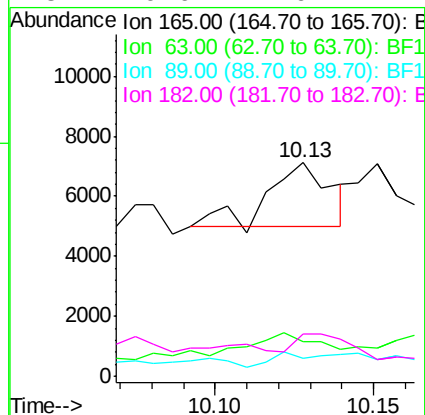
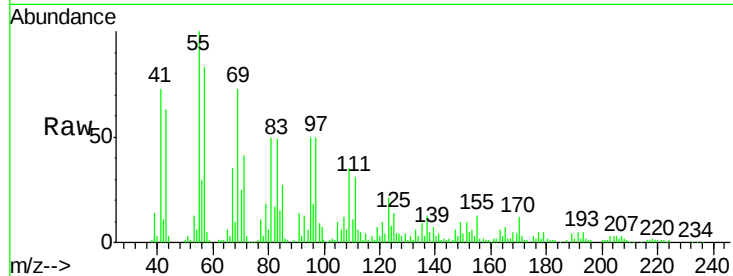




#56
2,4-Dinitrotoluene
Concen: 3.58 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.02 min
Lab File: BF102927.D
Acq: 12 Feb 2018 18:17

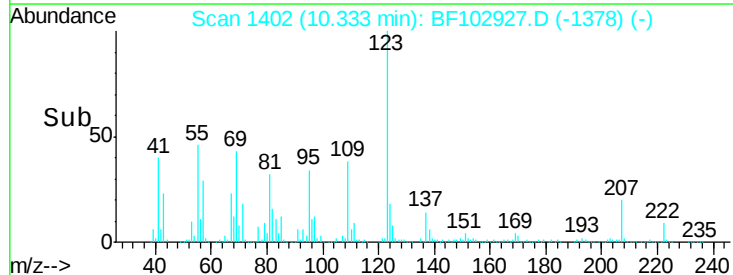
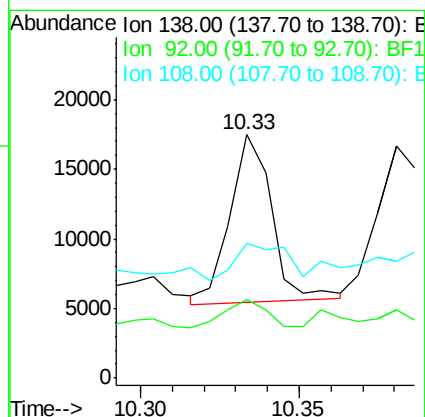
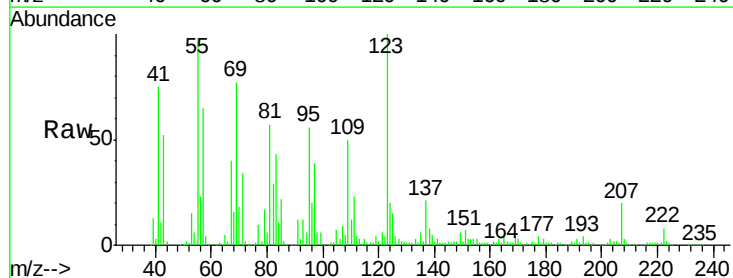
Instrument :
BNA_F
ClientSampleId :

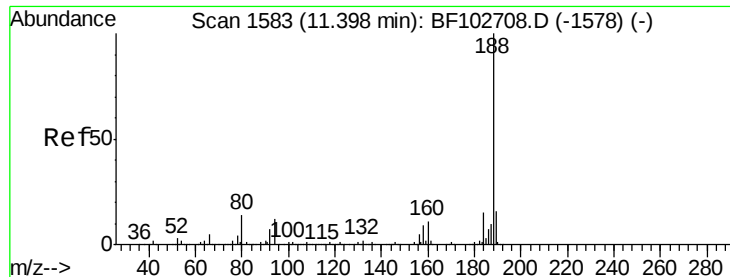
Tot Ion:165 Resp: 2971
Ion Ratio Lower Upper
165 100
63 16.3 36.4 54.6#
89 8.6 57.8 86.6#
182 19.6 1.6 2.4#



#61
4-Nitroaniline
Concen: 2.29 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.16 min
Lab File: BF102927.D
Acq: 12 Feb 2018 18:17

Tgt Ion:138 Resp: 10999
Ion Ratio Lower Upper
138 100
92 32.4 30.2 70.2
108 55.3 52.5 92.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.02 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

Instrument :

BNA_F

ClientSampleId :

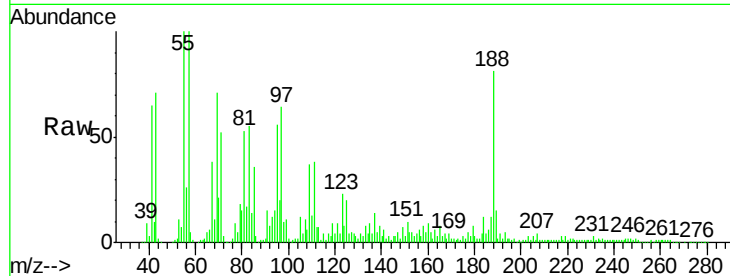
Tot Ion:188 Resp: 244772

Ion Ratio Lower Upper

188 100

94 18.0 8.5 12.7#

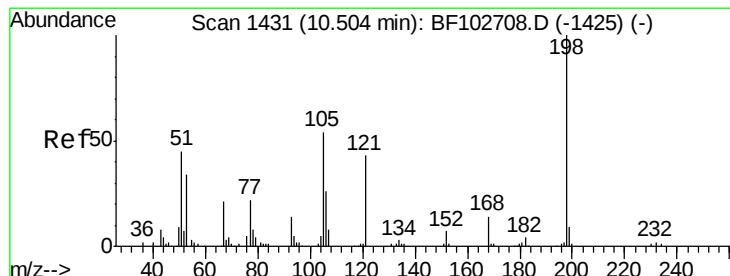
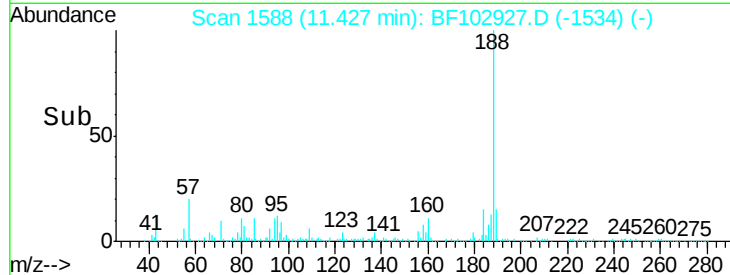
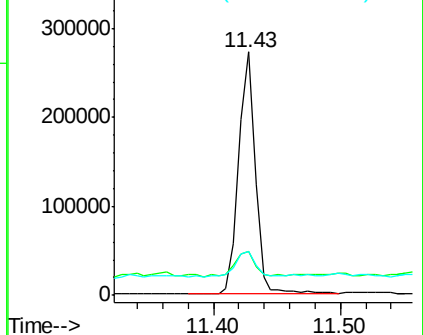
80 18.1 9.2 13.8#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 9.62 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.02 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

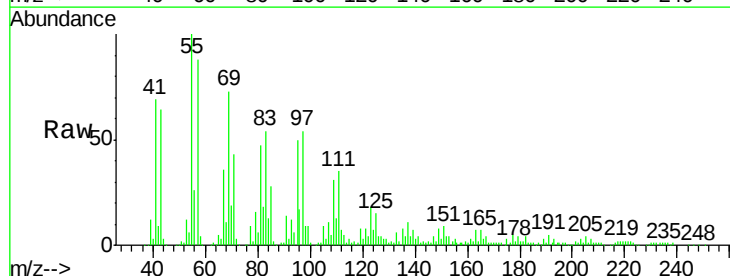
Tgt Ion:198 Resp: 911

Ion Ratio Lower Upper

198 100

51 469.0 37.7 77.7#

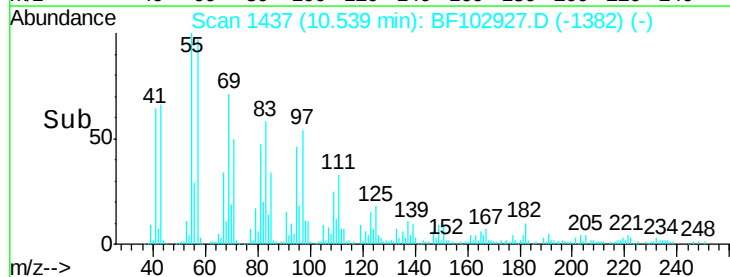
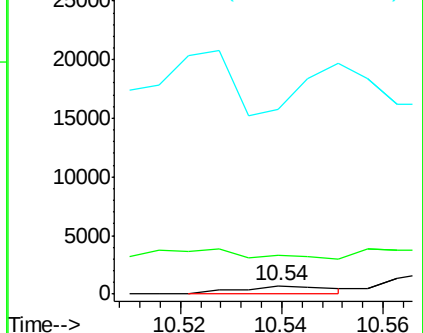
105 2205.5 36.3 76.3#

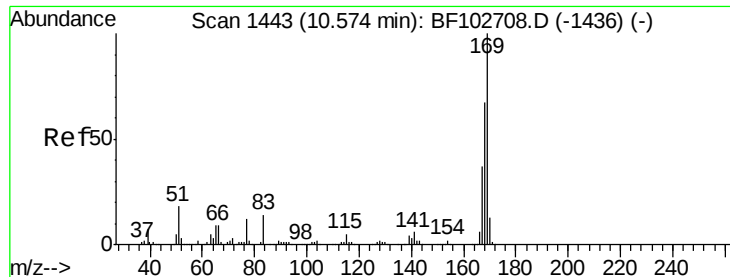


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 2.88 ng

RT: 10.58 min Scan# 1444

Delta R.T. 0.00 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

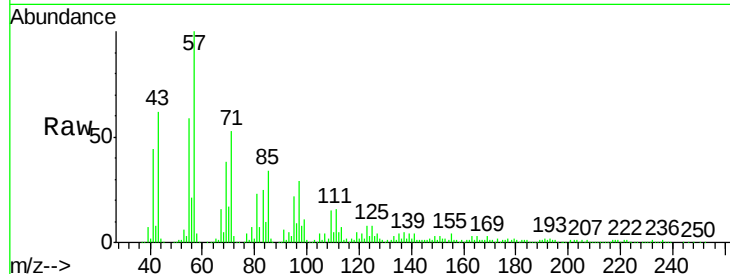
Instrument :

BNA_F

ClientSampleId :

Tot Ion:169 Resp: 24901

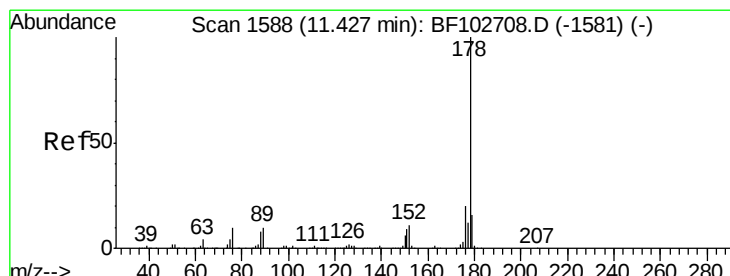
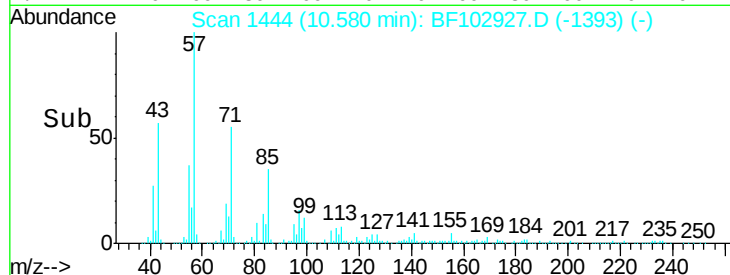
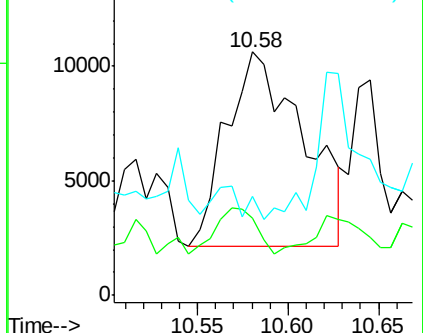
Ion	Ratio	Lower	Upper
169	100		
168	31.6	54.4	81.6#
167	40.7	29.8	44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 4.66 ng

RT: 11.45 min Scan# 1592

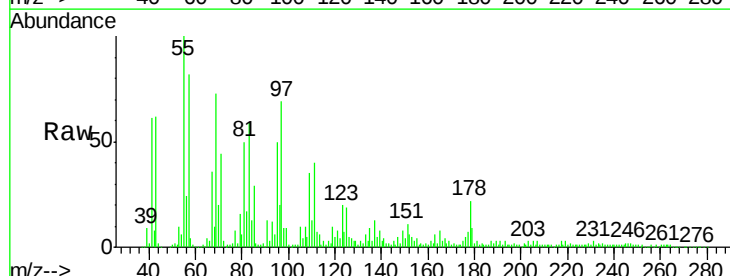
Delta R.T. 0.02 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

Tgt Ion:178 Resp: 63498

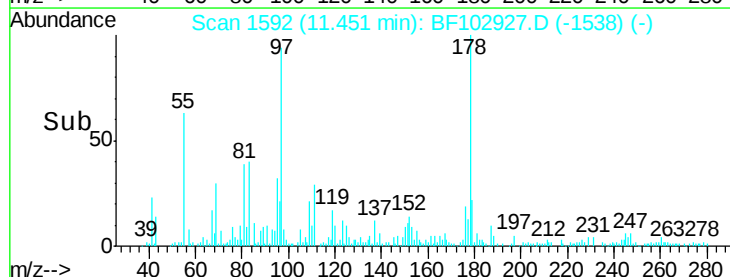
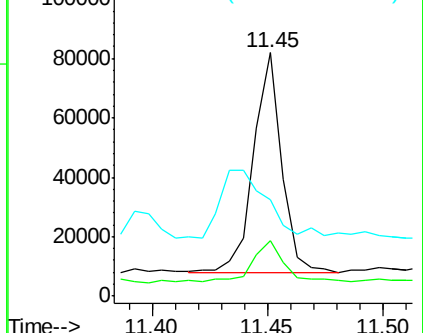
Ion	Ratio	Lower	Upper
178	100		
176	23.0	15.8	23.8
179	39.5	13.0	19.6#

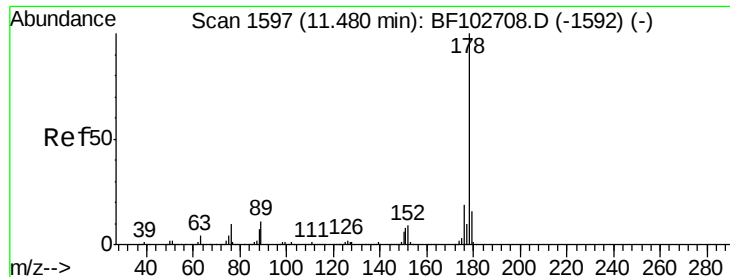


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.58 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.04 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

Instrument :

BNA_F

ClientSampleId :

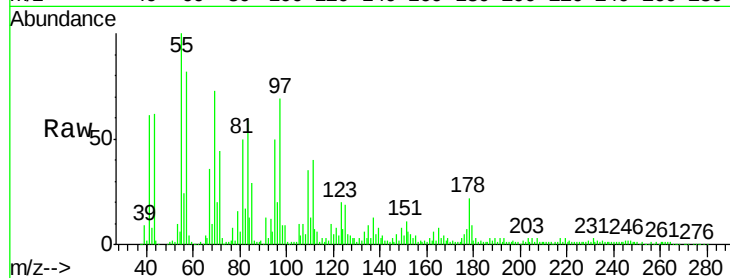
Tot Ion:178 Resp: 63498

Ion Ratio Lower Upper

178 100

176 23.0 15.4 23.2

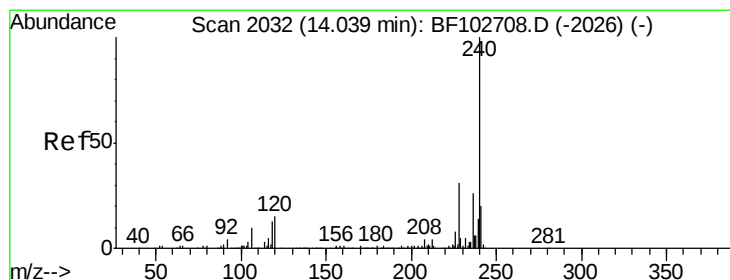
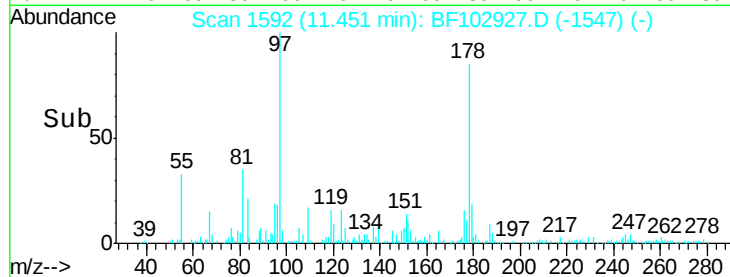
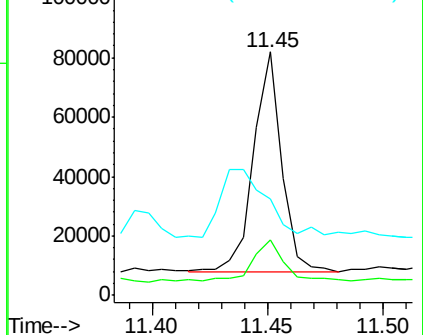
179 39.5 12.6 19.0#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

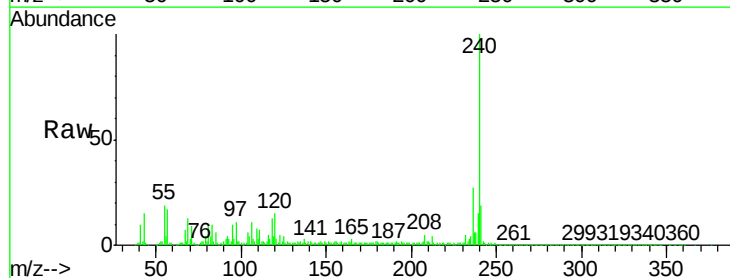
Tgt Ion:240 Resp: 305701

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

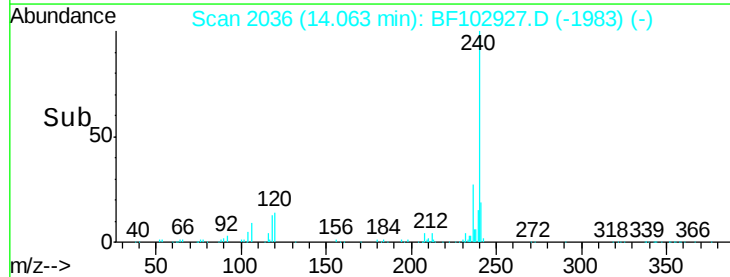
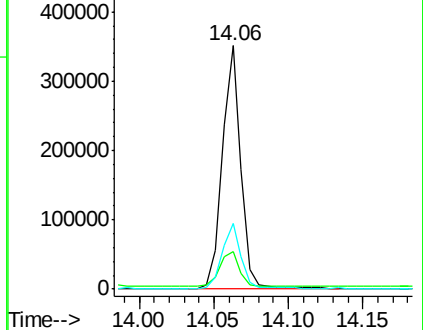
236 27.2 20.7 31.1

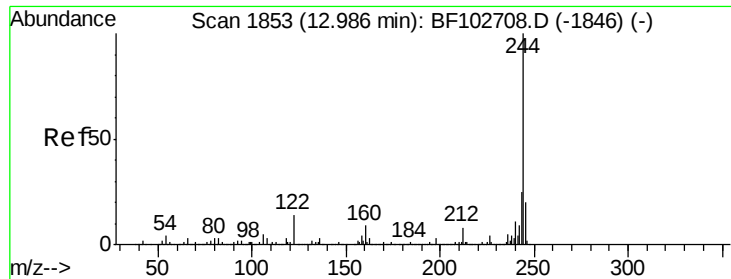


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 55.56 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

Instrument :

BNA_F

ClientSampleId :

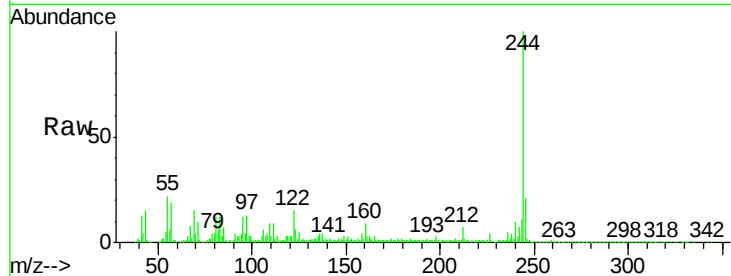
Tot Ion:244 Resp: 717390

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

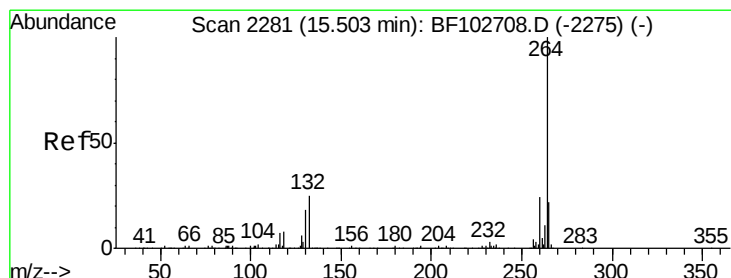
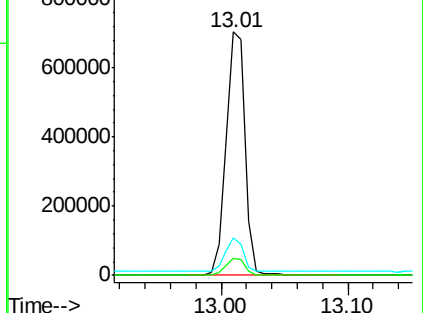
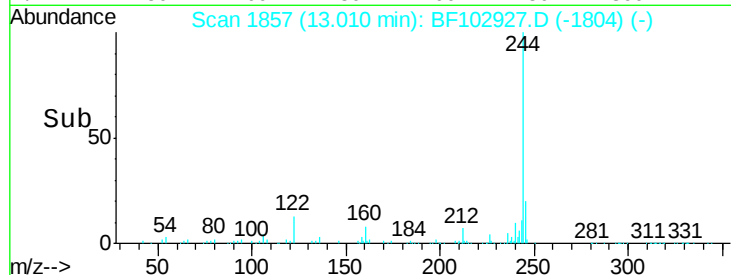
122 15.3 11.0 16.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.02 min

Lab File: BF102927.D

Acq: 12 Feb 2018 18:17

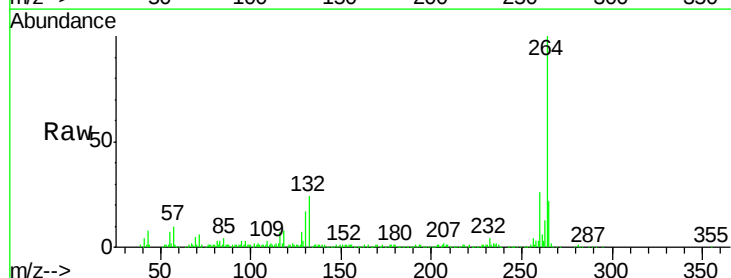
Tgt Ion:264 Resp: 297970

Ion Ratio Lower Upper

264 100

260 26.1 19.2 28.8

265 21.9 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

