

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021518\
 Data File : BF103027.D
 Acq On : 15 Feb 2018 19:37
 Operator : SJ/JU
 Sample : J1562-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 00:04:19 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 14:08:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	184203	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	745397	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	312136	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	452694	20.00	ng	0.00
75) Chrysene-d12	14.05	240	313319	20.00	ng	0.00
86) Perylene-d12	15.53	264	252006	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1265555	104.34	ng	0.01
7) Phenol-d6	6.52	99	1493867	102.29	ng	0.00
23) Nitrobenzene-d5	7.45	82	889082	82.74	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	242634	96.58	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1375805	73.14	ng	0.00
78) Terphenyl-d14	12.99	244	919374	69.48	ng	0.00

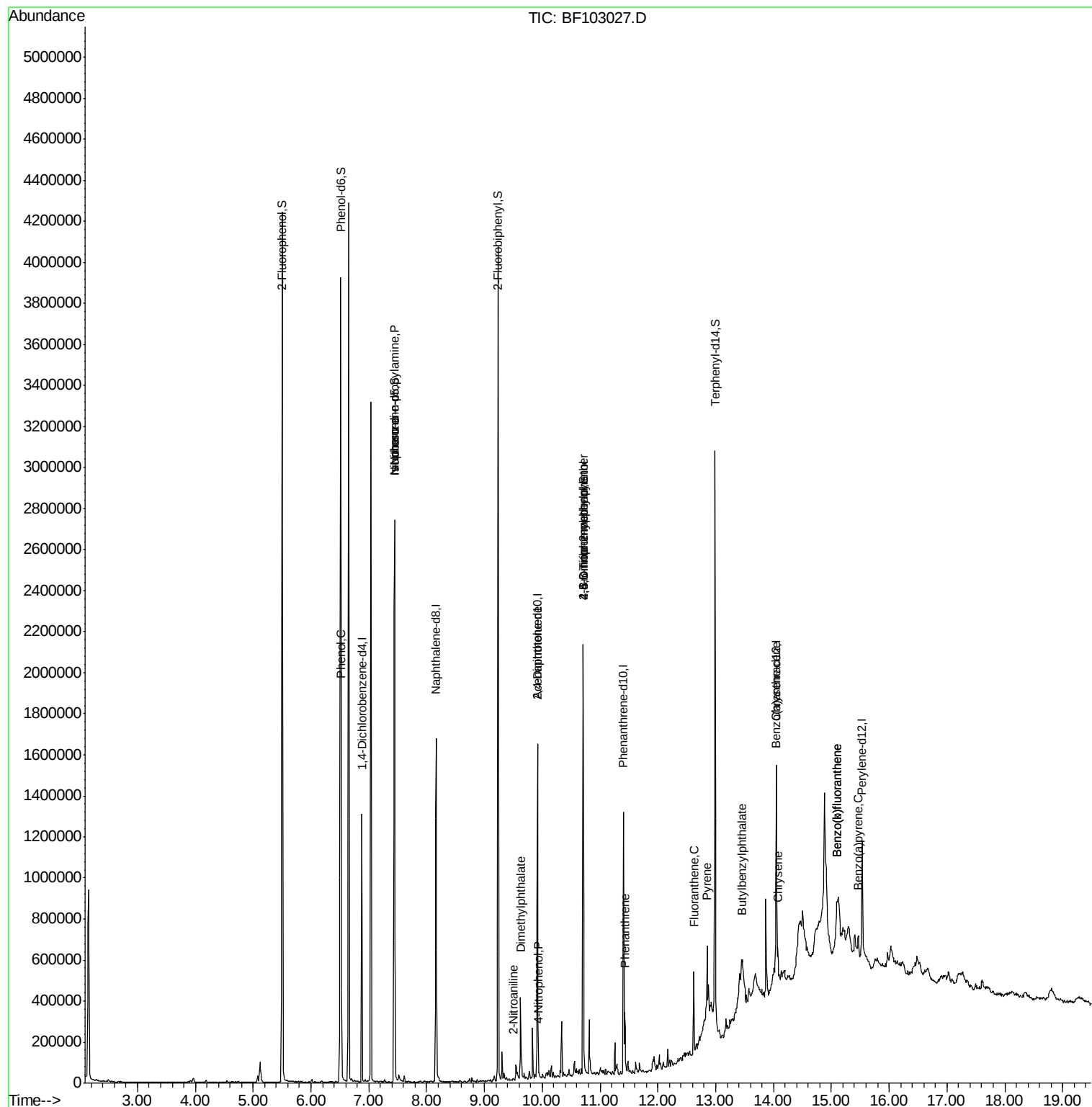
Target Compounds				Qvalue		
10) Phenol	6.53	94	44358	2.83	ng	95
19) n-Nitroso-di-n-propylamine	7.45	70	117721	12.23	ng	# 79
25) Isophorone	7.45	82	889067	35.93	ng	# 64
47) 2-Nitroaniline	9.50	65	115	3.49	ng	# 2
49) Dimethylphthalate	9.63	163	135189	5.55	ng	98
55) 4-Nitrophenol	9.94	139	115	4.05	ng	# 63
56) 2,4-Dinitrotoluene	9.92	165	41030	9.26	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	497	9.04	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	15242	3.18	ng	# 1
70) Phenanthrene	11.43	178	94203	3.74	ng	97
74) Fluoranthene	12.62	202	142424	5.61	ng	99
77) Pylene	12.85	202	127659	5.20	ng	99
79) Butylbenzylphthalate	13.46	149	38090	4.20	ng	# 40
80) Benzo(a)anthracene	14.04	228	58815	2.98	ng	95
82) Chrysene	14.07	228	53725	2.70	ng	97
87) Benzo(b)fluoranthene	15.10	252	76310	4.67	ng	# 78
88) Benzo(k)fluoranthene	15.10	252	76310	4.89	ng	# 81
89) Benzo(a)pyrene	15.47	252	40342	2.74	ng	# 83

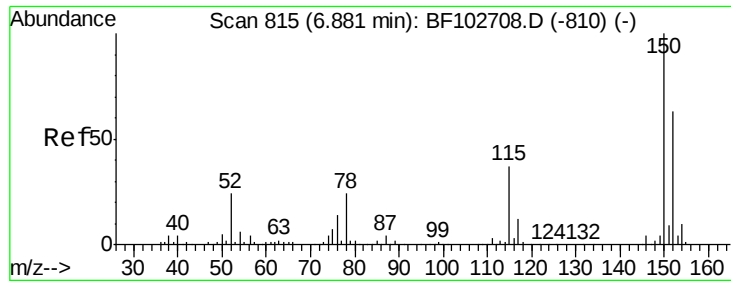
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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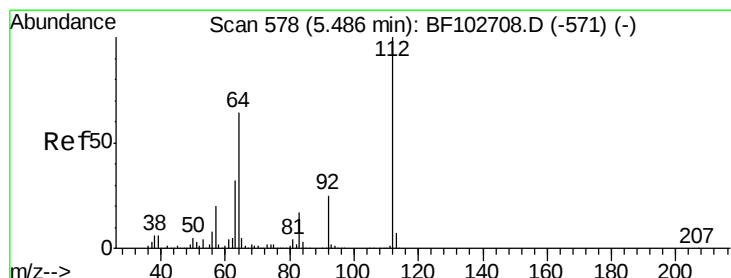
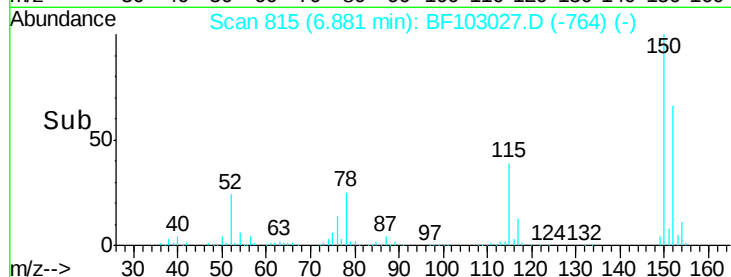
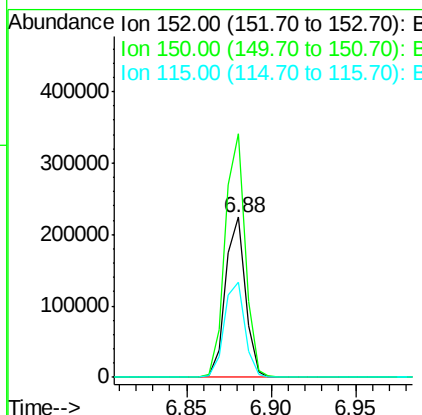
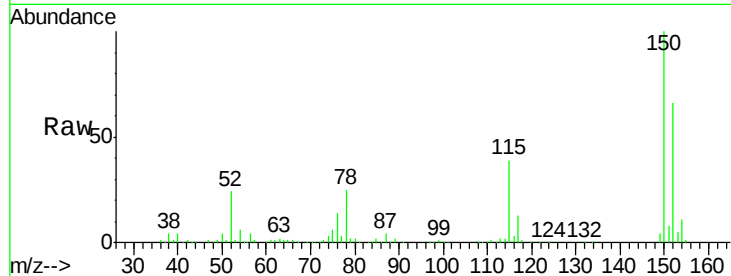


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF103027.D
Acq: 15 Feb 2018 19:37

Instrument :
BNA_F
ClientSampleId :

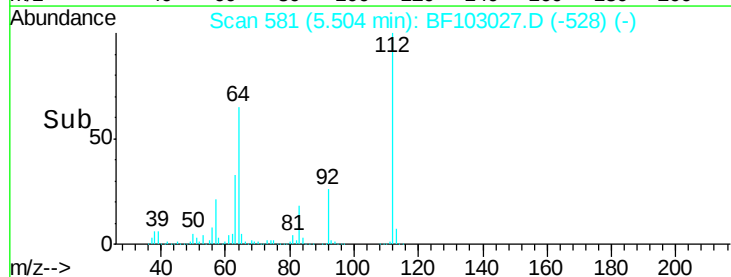
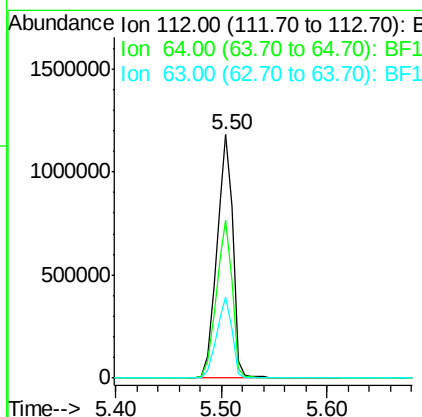
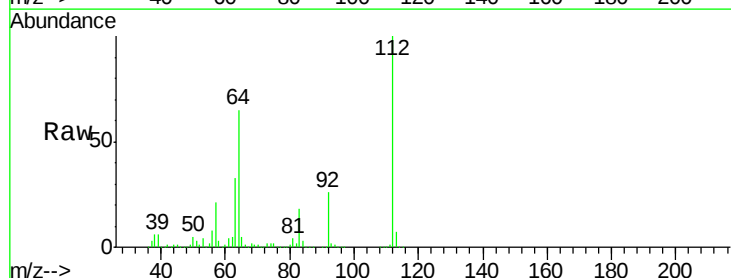
Tot Ion:152 Resp: 184203
Ion Ratio Lower Upper
152 100
150 152.4 124.6 186.8
115 59.8 50.1 75.1

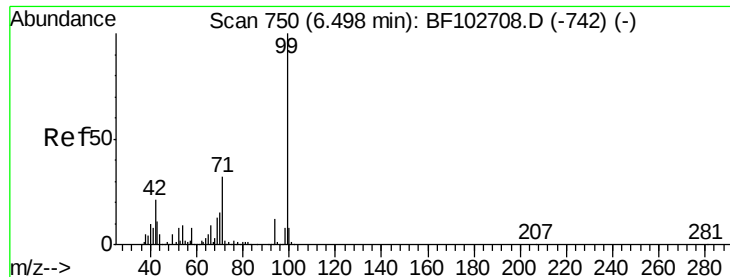


#5

2-Fluorophenol
Concen: 104.34 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103027.D
Acq: 15 Feb 2018 19:37

Tgt Ion:112 Resp: 1265555
Ion Ratio Lower Upper
112 100
64 65.0 47.9 71.9
63 33.1 23.7 35.5





#7

Phenol-d6

Concen: 102.29 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

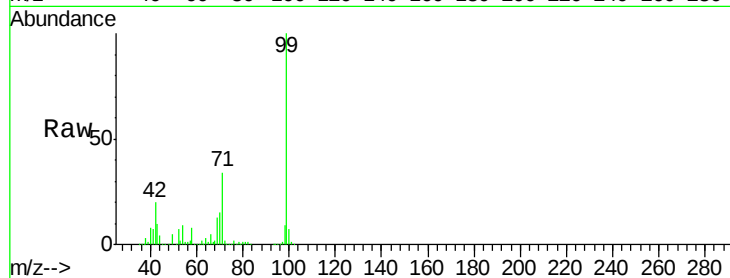
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1493867

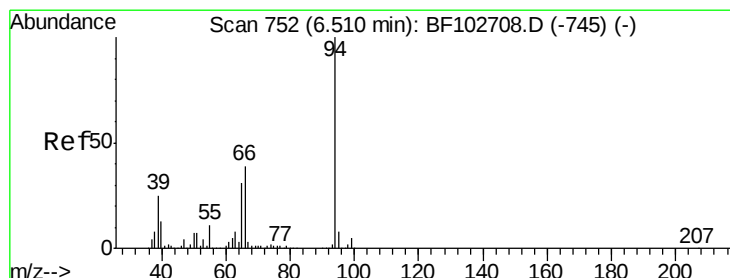
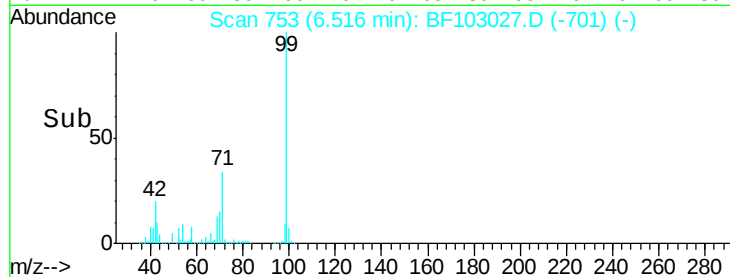
Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.5	21.7
71	33.6	25.4	38.0



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: 2.83 ng

RT: 6.53 min Scan# 755

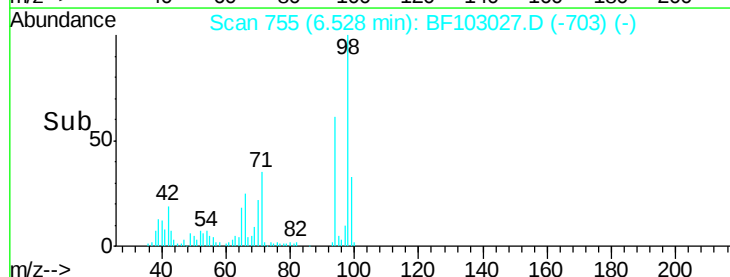
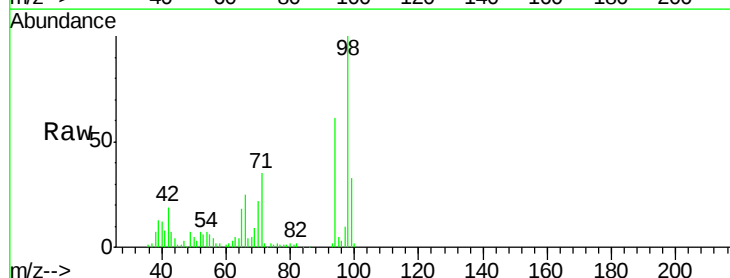
Delta R.T. 0.01 min

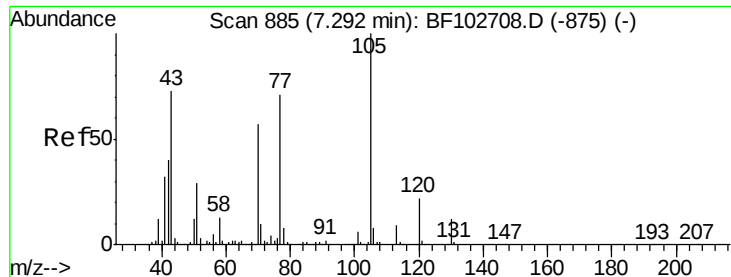
Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

Tgt Ion: 94 Resp: 44358

Ion	Ratio	Lower	Upper
94	100		
65	28.9	7.9	47.9
66	40.5	16.2	56.2





#19

n-Nitroso-di-n-propylamine

Concen: 12.23 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 117721

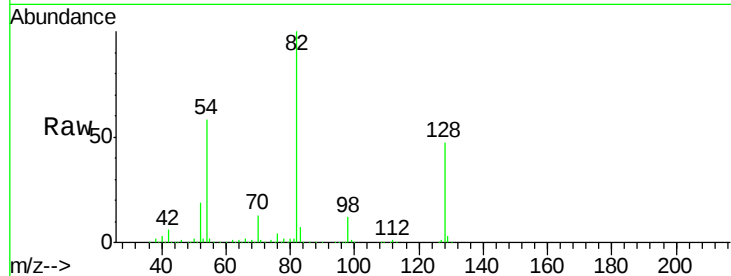
Ion Ratio Lower Upper

70 100

42 49.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

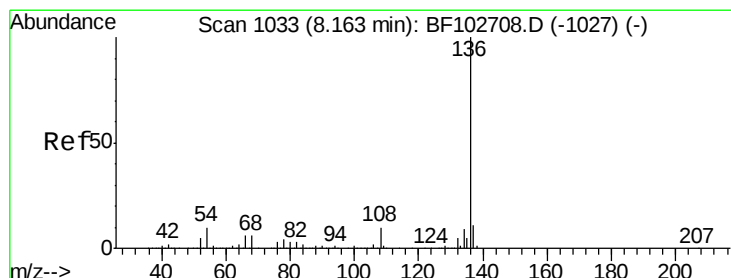
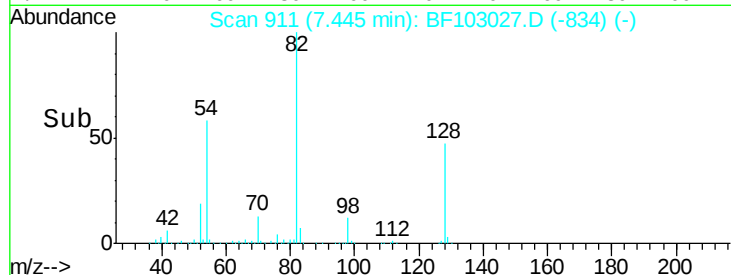
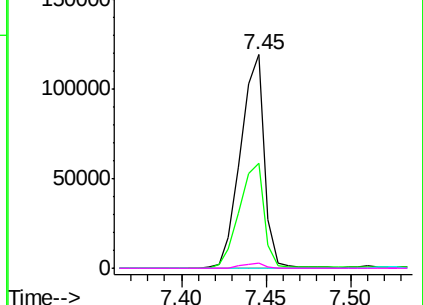


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

Tgt Ion: 136 Resp: 745397

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.0 6.6 9.8

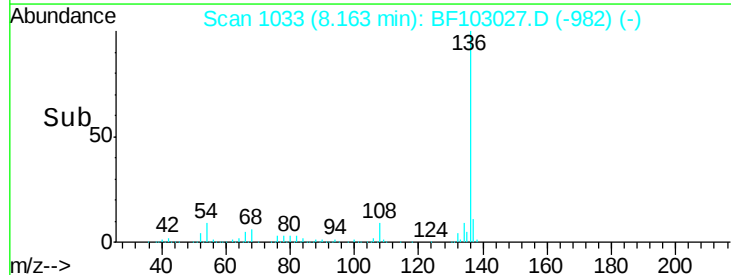
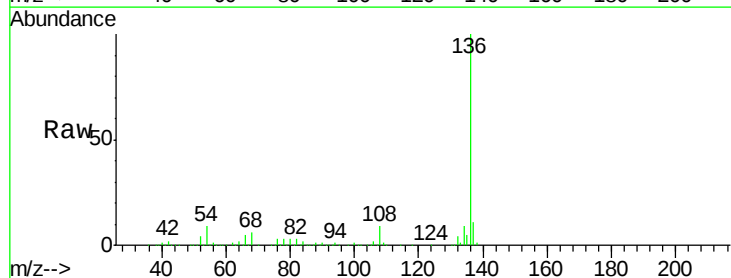
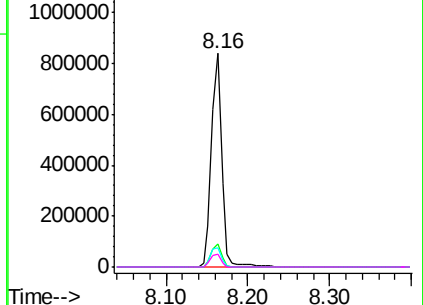
68 6.2 5.0 7.4

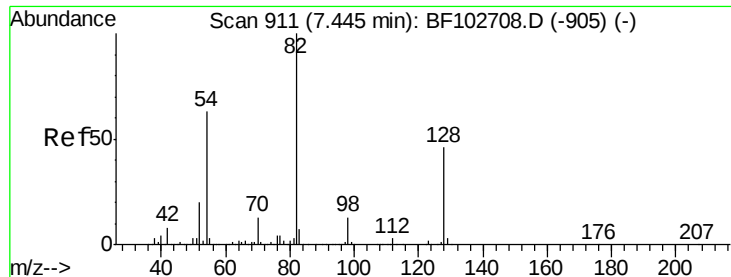
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

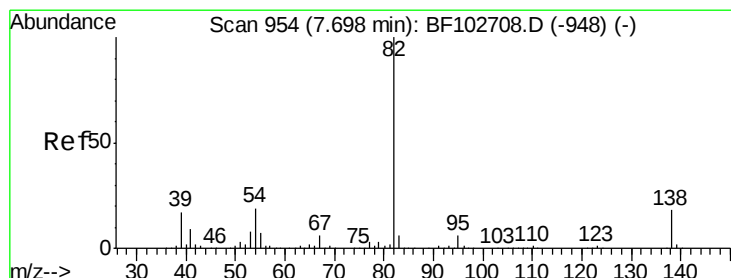
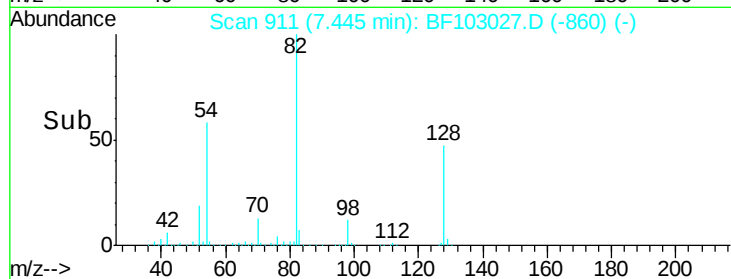
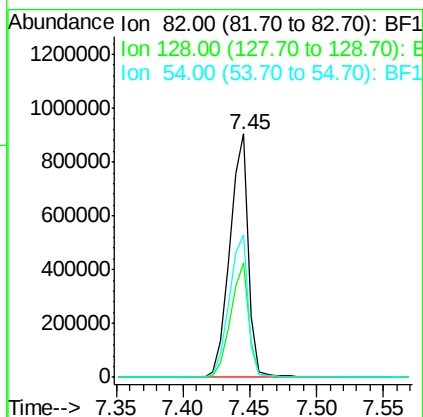
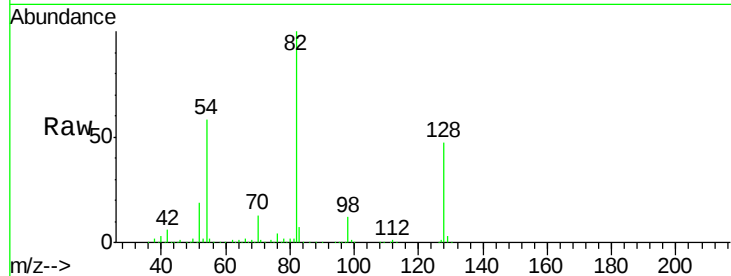




#23
Nitrobenzene-d5
Concen: 82.74 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF103027.D
Acq: 15 Feb 2018 19:37

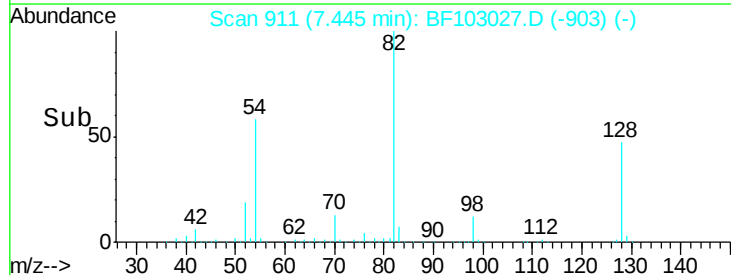
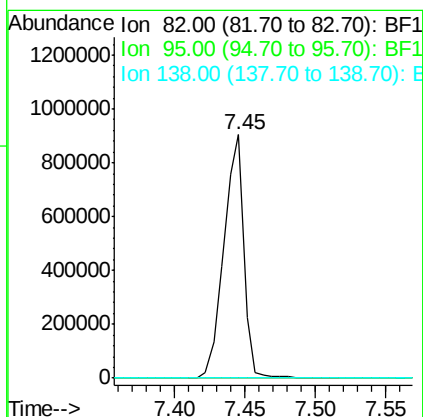
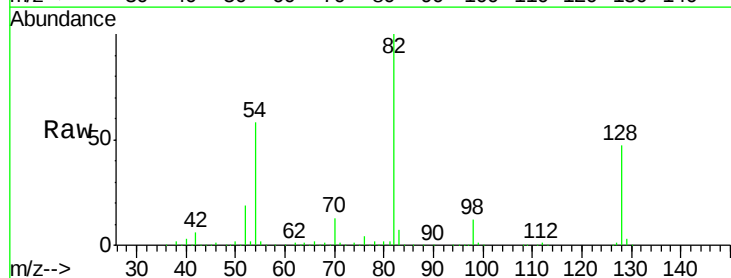
Instrument :
BNA_F
ClientSampled :

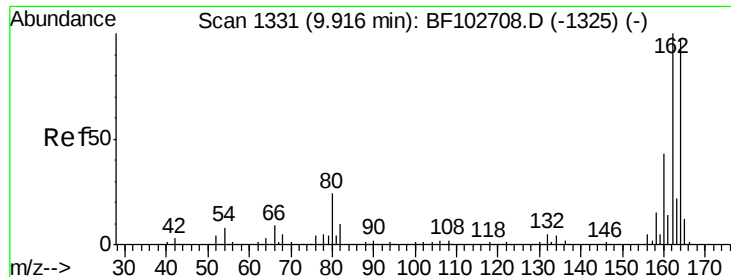
Tot Ion	82	Resp	889082
Ion Ratio	100	Lower	Upper
128	47.2	36.1	54.1
54	58.3	41.4	62.2



#25
Isophorone
Concen: 35.93 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.25 min
Lab File: BF103027.D
Acq: 15 Feb 2018 19:37

Tgt Ion	82	Resp	889067
Ion Ratio	100	Lower	Upper
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#

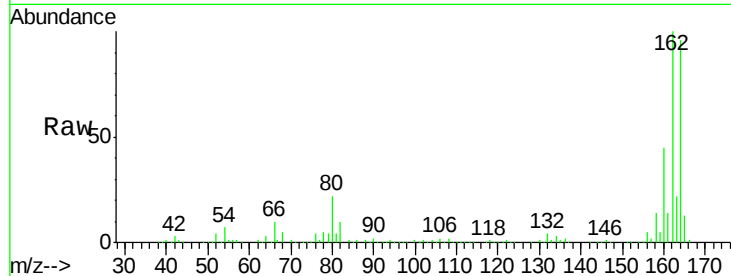




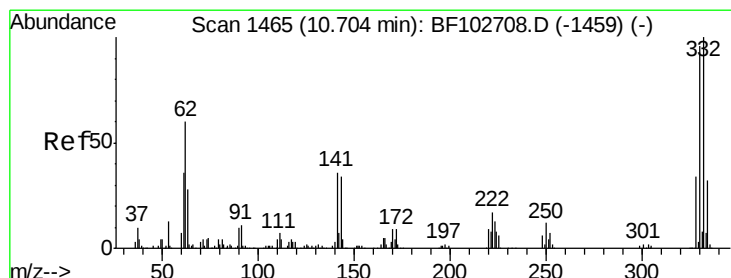
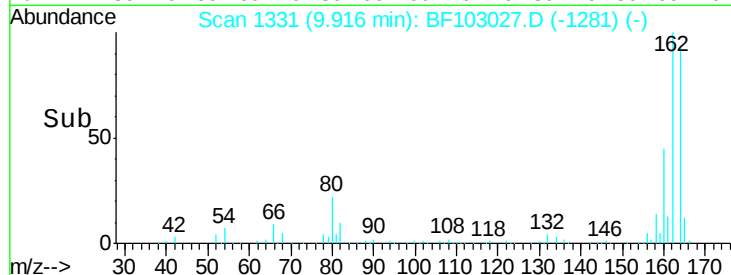
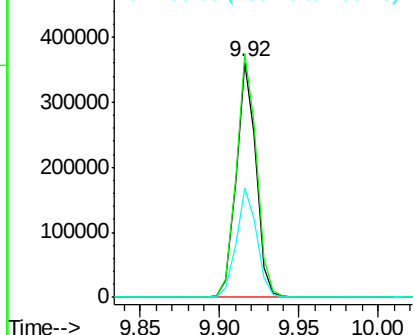
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103027.D
Acq: 15 Feb 2018 19:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 312136
Ion Ratio Lower Upper
164 100
162 103.6 86.1 129.1
160 46.3 38.3 57.5

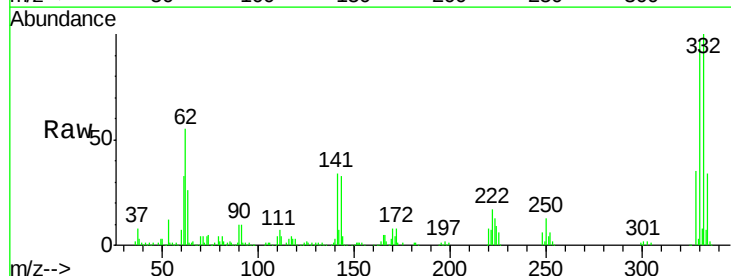


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

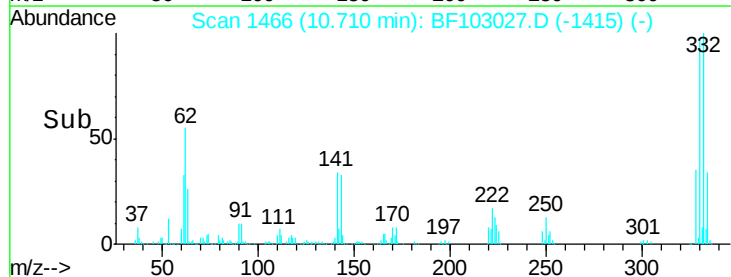
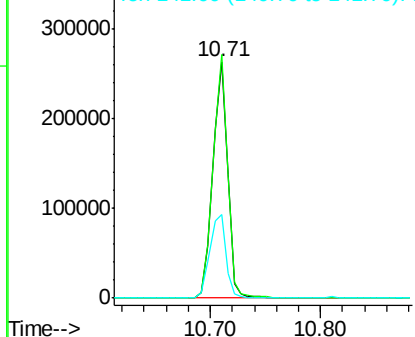


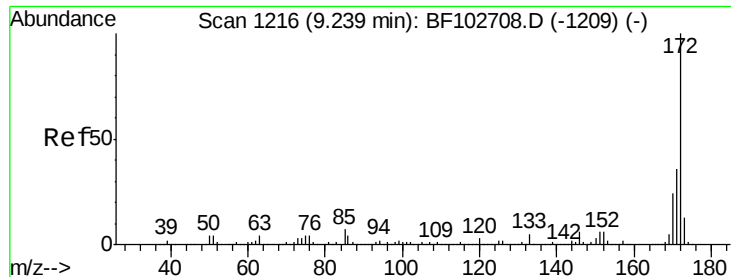
#41
2,4,6-Tribromophenol
Concen: 96.58 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BF103027.D
Acq: 15 Feb 2018 19:37

Tgt Ion:330 Resp: 242634
Ion Ratio Lower Upper
330 100
332 101.6 77.0 115.6
141 38.5 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



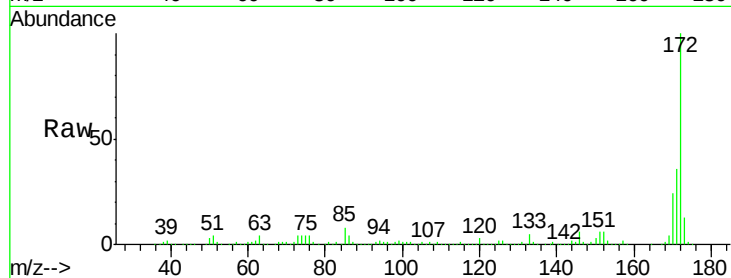


#44
 2-Fluorobiphenyl
 Concen: 73.14 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103027.D
 Acq: 15 Feb 2018 19:37

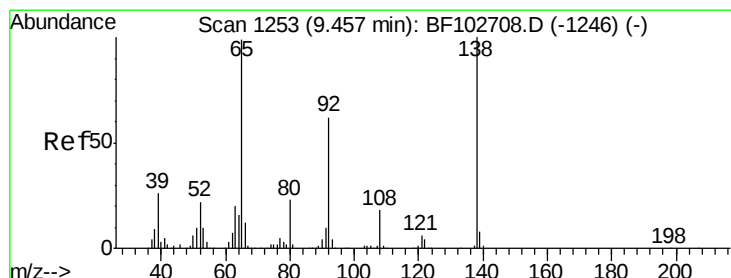
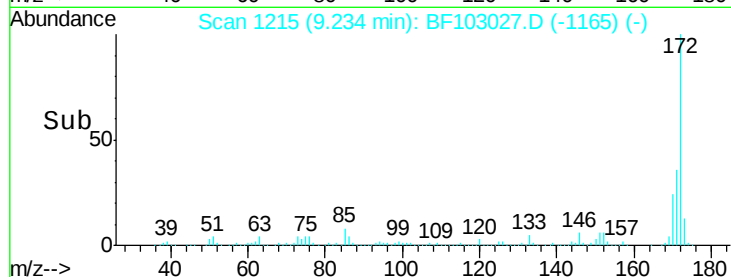
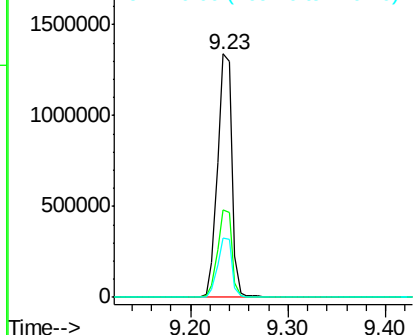
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1375805

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.4	19.6	29.4



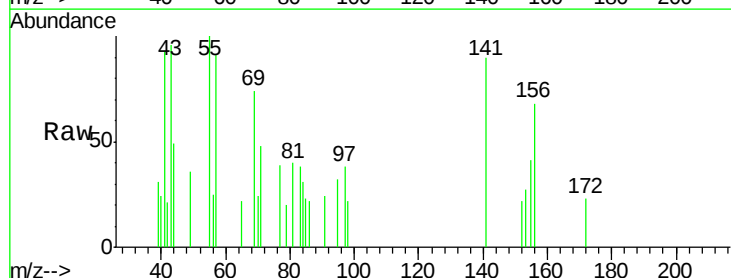
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



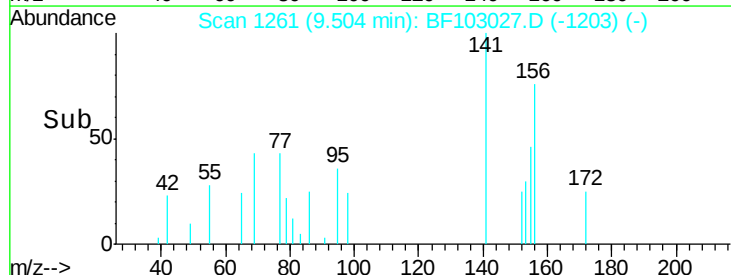
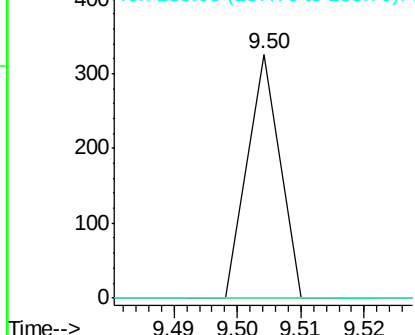
#47
 2-Nitroaniline
 Concen: 3.49 ng
 RT: 9.50 min Scan# 1261
 Delta R.T. 0.04 min
 Lab File: BF103027.D
 Acq: 15 Feb 2018 19:37

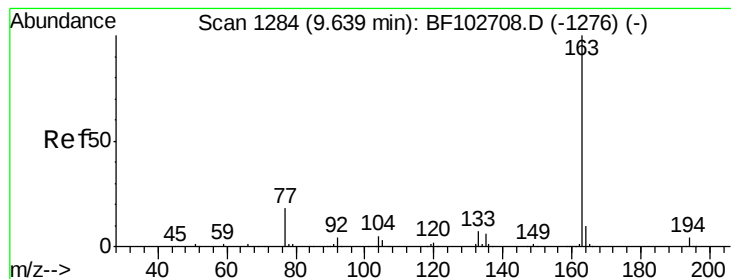
Tgt Ion: 65 Resp: 115

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 5.55 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

Instrument :

BNA_F

ClientSampleId :

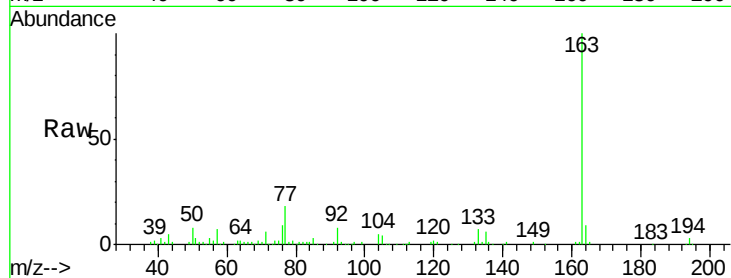
Tot Ion:163 Resp: 135189

Ion Ratio Lower Upper

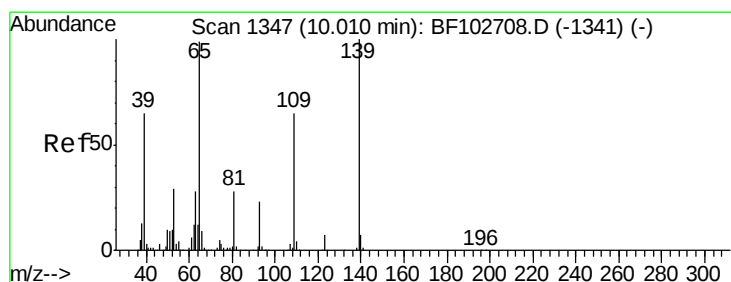
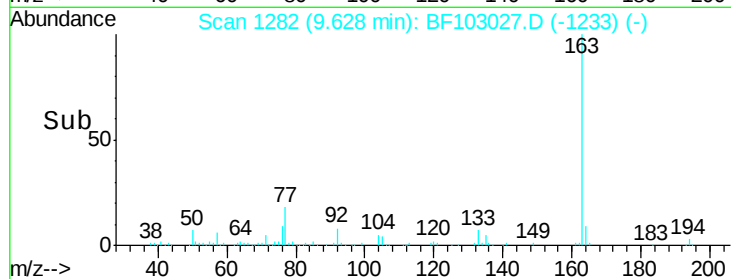
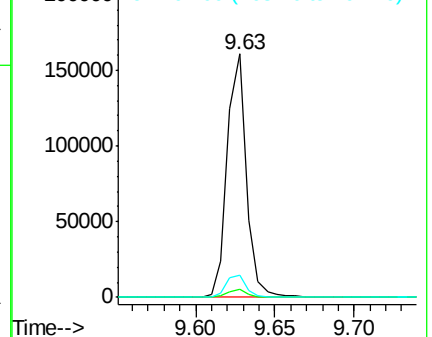
163 100

194 3.5 2.7 4.1

164 9.2 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



#55

4-Nitrophenol

Concen: 4.05 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.09 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

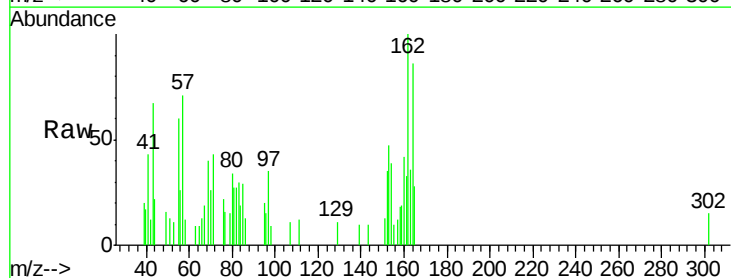
Tgt Ion:139 Resp: 115

Ion Ratio Lower Upper

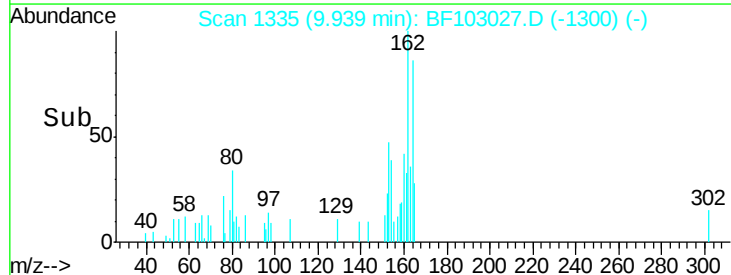
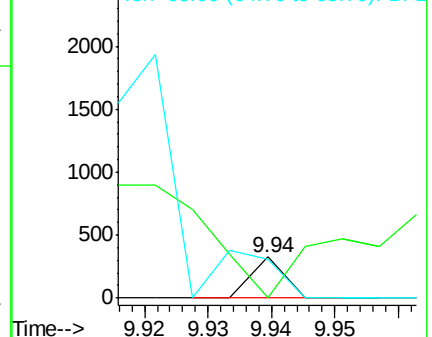
139 100

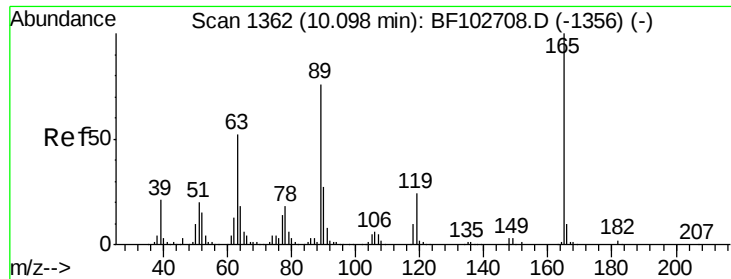
109 0.0 48.4 88.4#

65 94.8 72.6 112.6



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

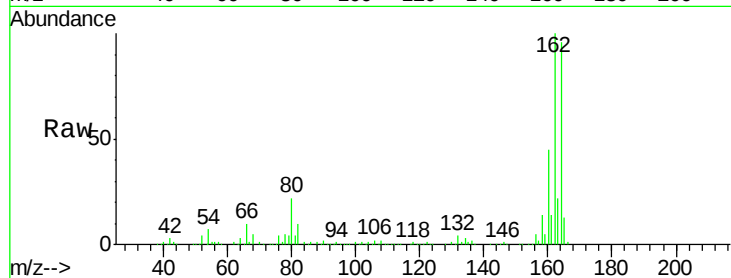




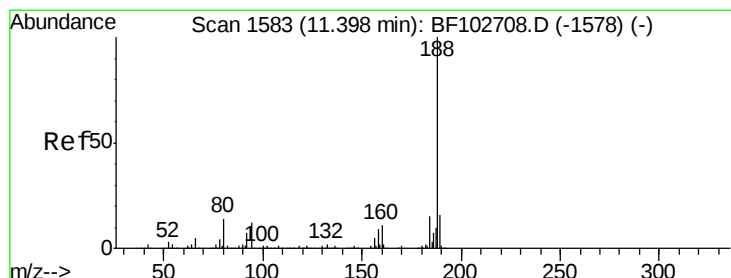
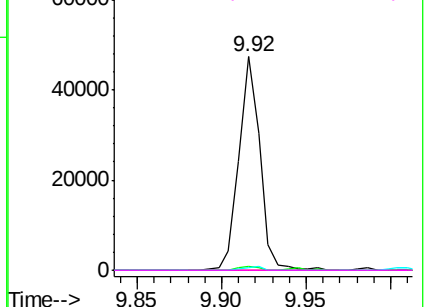
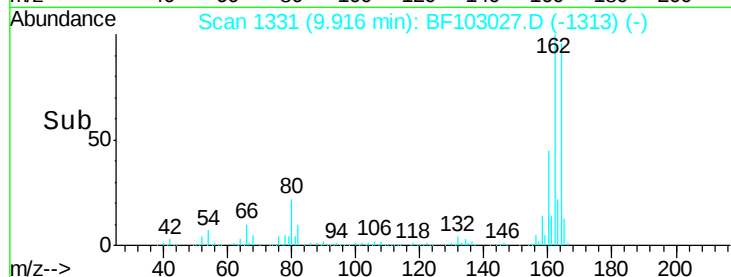
#56
 2,4-Dinitrotoluene
 Concen: 9.26 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103027.D
 Acq: 15 Feb 2018 19:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 41030
 Ion Ratio Lower Upper
 165 100
 63 1.9 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#

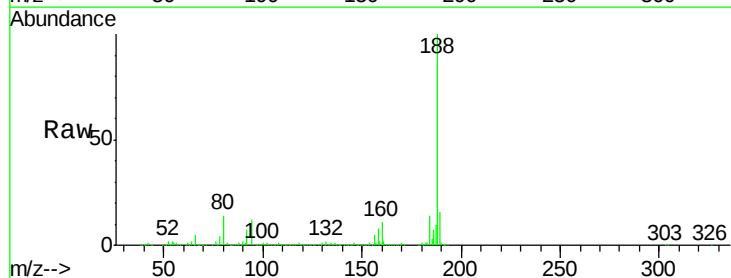


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

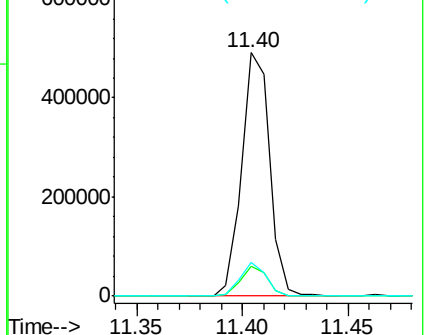
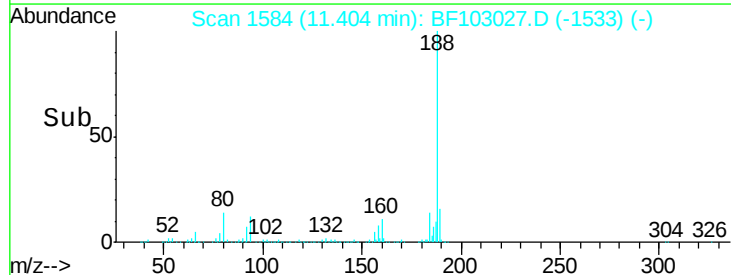


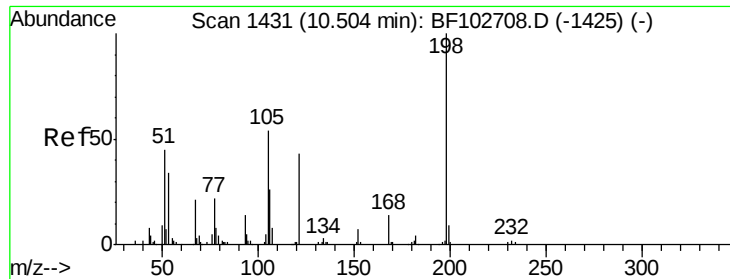
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103027.D
 Acq: 15 Feb 2018 19:37

Tgt Ion:188 Resp: 452694
 Ion Ratio Lower Upper
 188 100
 94 12.4 8.5 12.7
 80 13.7 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: 9.04 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

Instrument :

BNA_F

ClientSampleId :

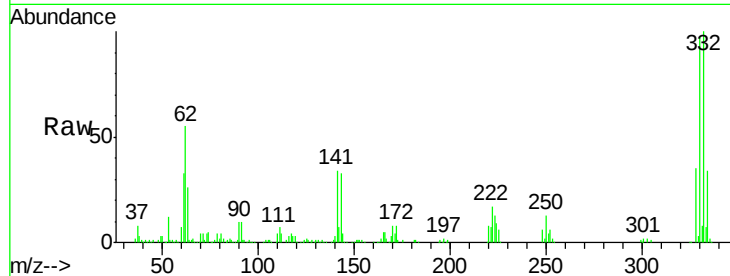
Tot Ion:198 Resp: 497

Ion Ratio Lower Upper

198 100

51 151.9 37.7 77.7#

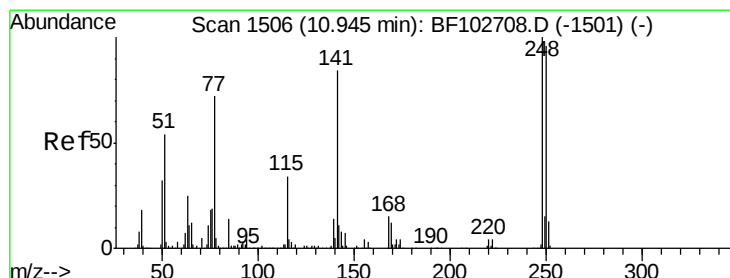
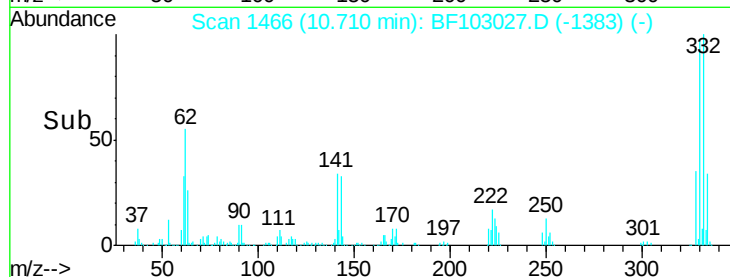
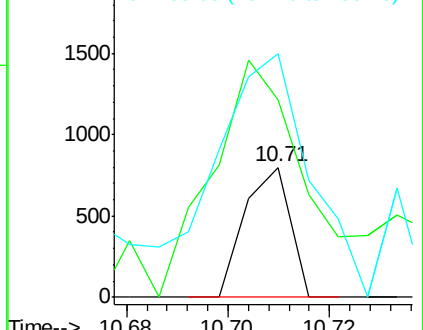
105 186.9 36.3 76.3#



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: 3.18 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

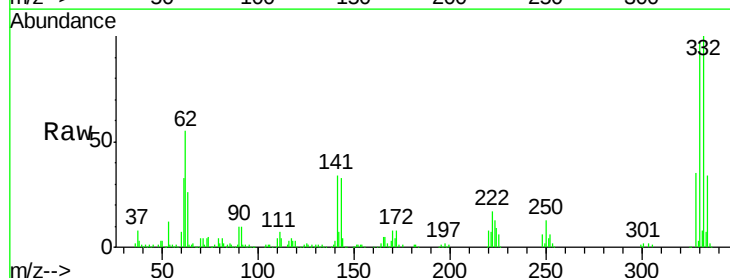
Tgt Ion:248 Resp: 15242

Ion Ratio Lower Upper

248 100

250 202.9 76.9 115.3#

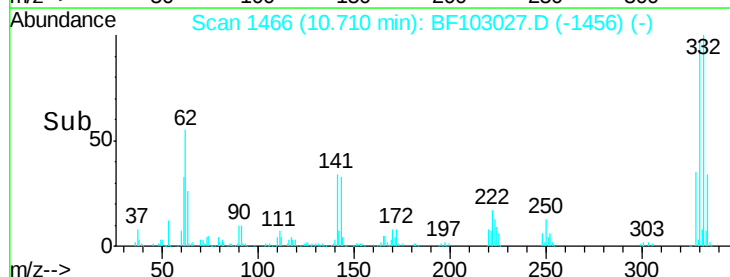
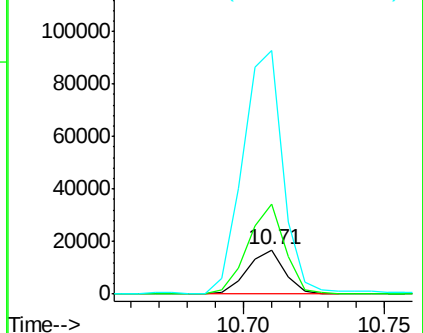
141 547.5 74.4 111.6#

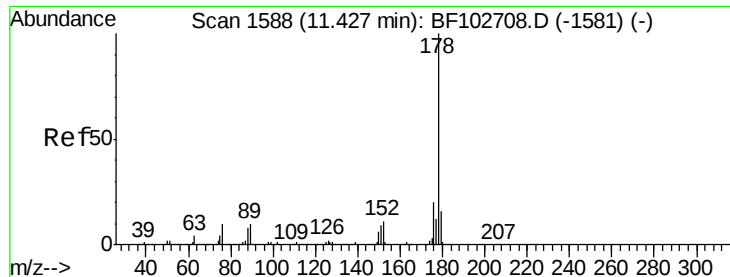


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.74 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

Instrument :

BNA_F

ClientSampleId :

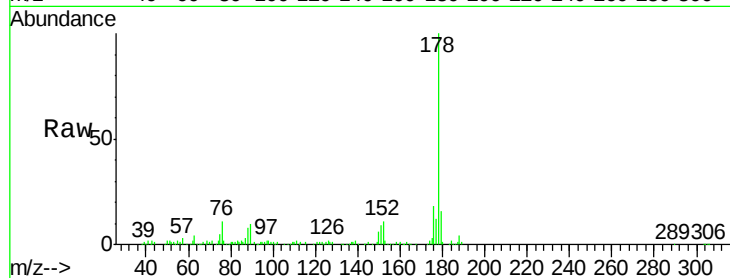
Tot Ion:178 Resp: 94203

Ion Ratio Lower Upper

178 100

176 17.9 15.8 23.8

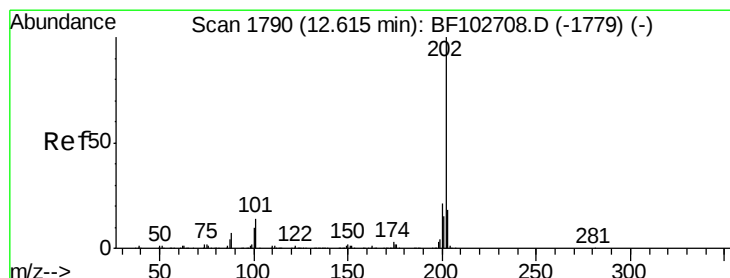
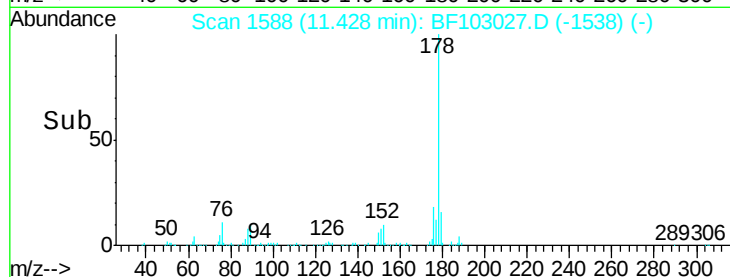
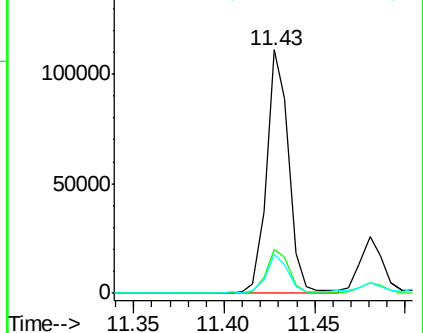
179 16.1 13.0 19.6



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: 5.61 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

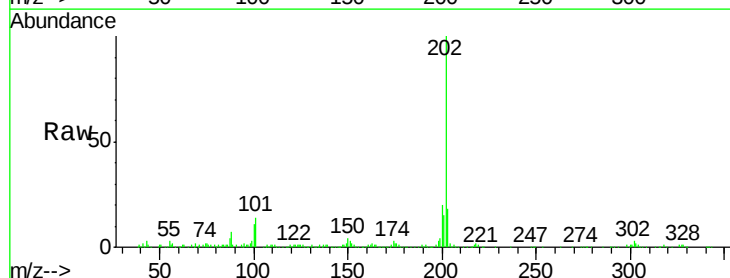
Tgt Ion:202 Resp: 142424

Ion Ratio Lower Upper

202 100

101 14.4 0.0 34.1

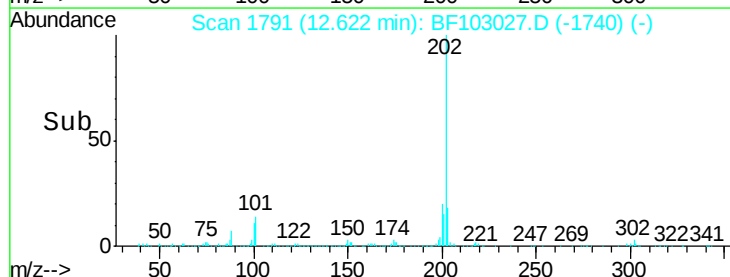
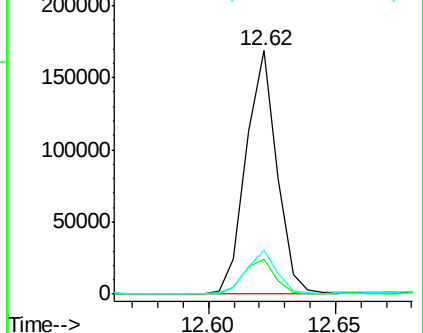
203 17.9 0.0 38.1

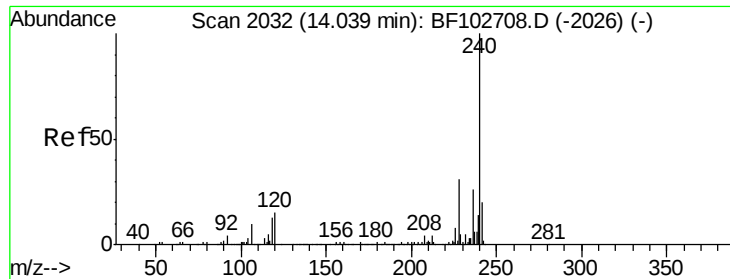


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

Instrument :

BNA_F

ClientSampleId :

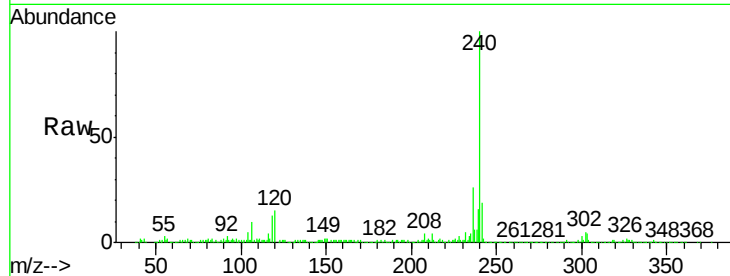
Tot Ion:240 Resp: 313319

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

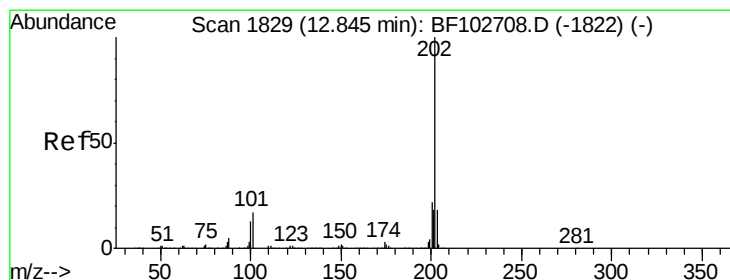
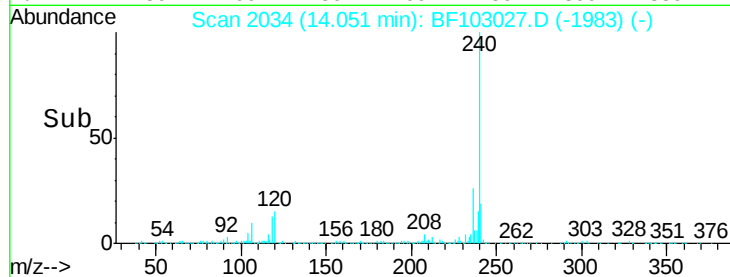
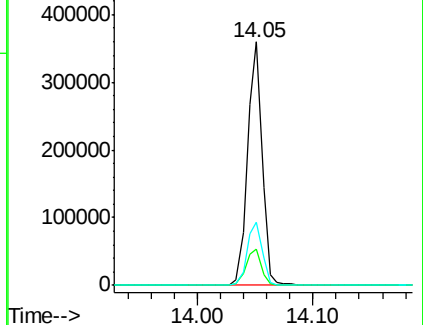
236 26.1 20.7 31.1



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: 5.20 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

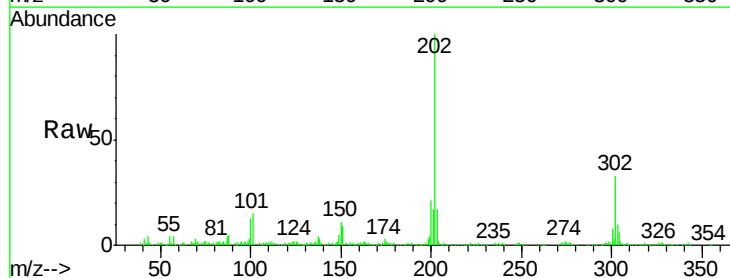
Tgt Ion:202 Resp: 127659

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

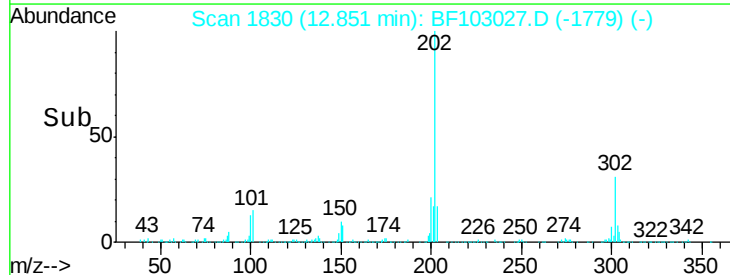
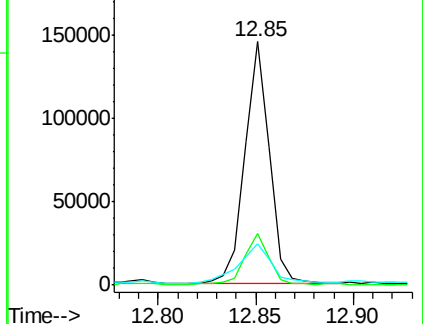
203 17.2 14.3 21.5

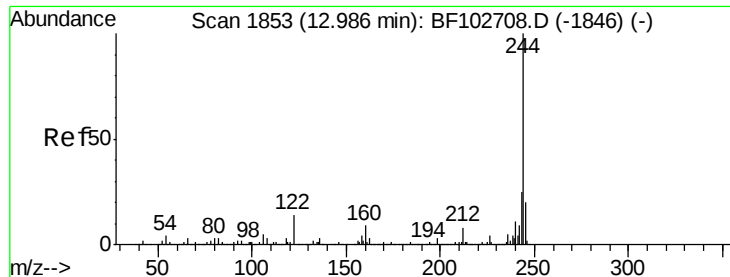


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.48 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

Instrument :

BNA_F

ClientSampleId :

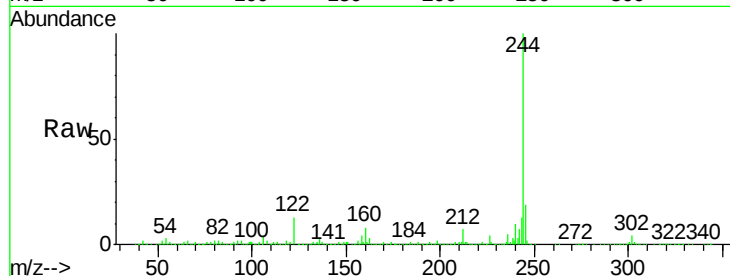
Tot Ion:244 Resp: 919374

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

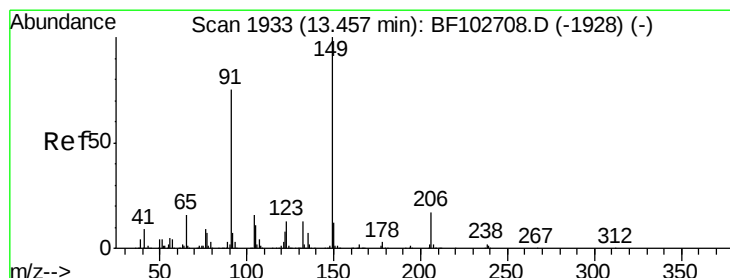
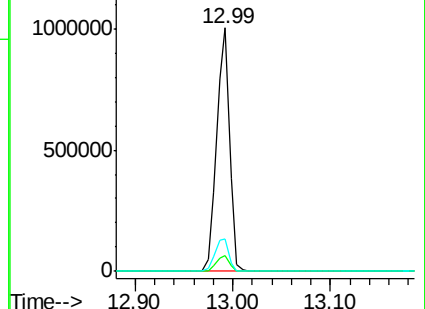
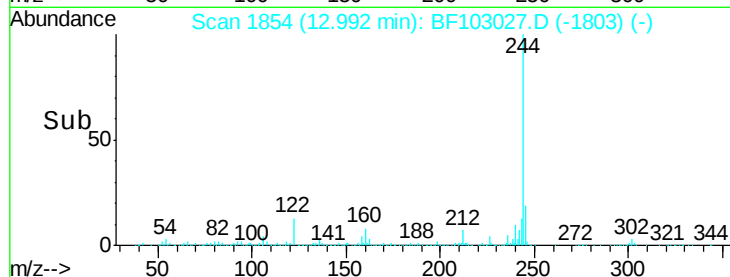
122 13.1 11.0 16.4



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: 4.20 ng

RT: 13.46 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

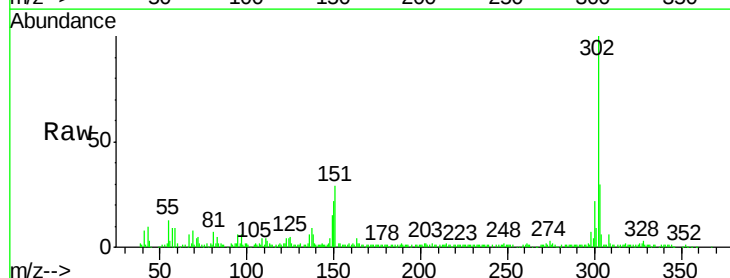
Tgt Ion:149 Resp: 38090

Ion Ratio Lower Upper

149 100

91 17.2 56.8 85.2#

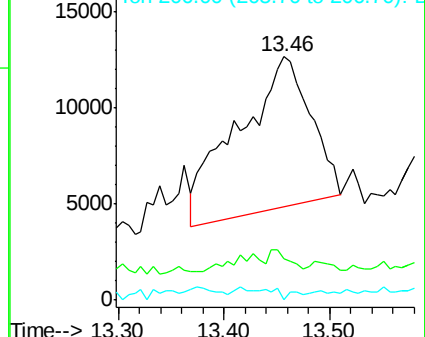
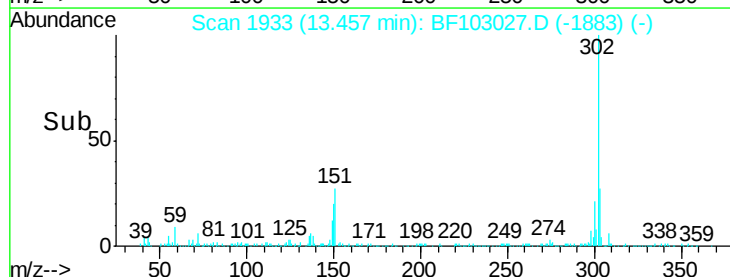
206 0.0 14.1 21.1#

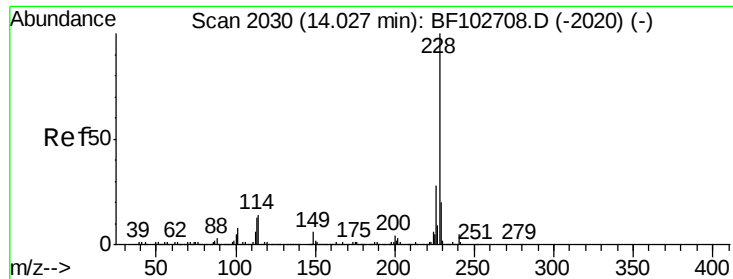


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 2.98 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

Instrument :

BNA_F

ClientSampleId :

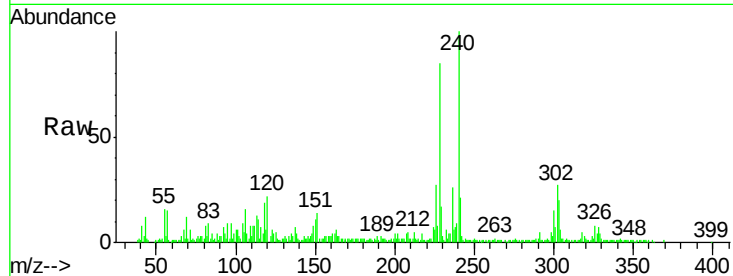
Tot Ion:228 Resp: 58815

Ion Ratio Lower Upper

228 100

226 32.4 22.6 33.8

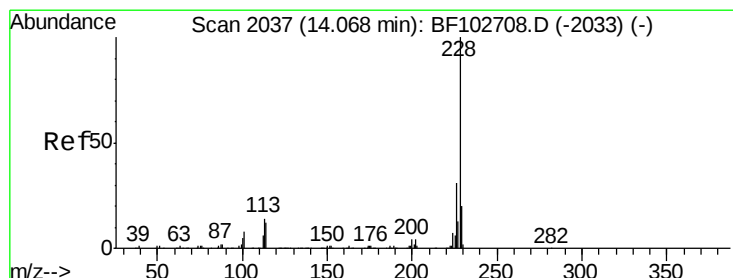
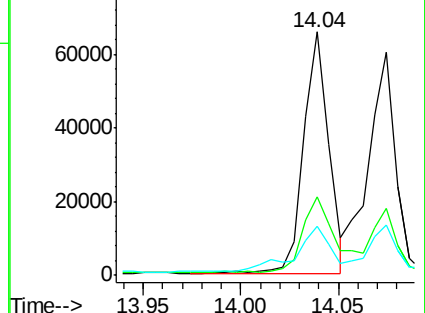
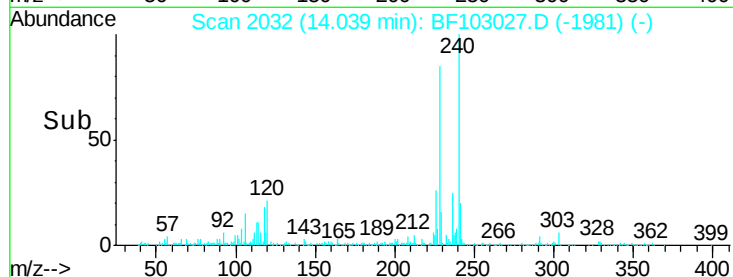
229 20.1 15.8 23.6



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: 2.70 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF103027.D

Acq: 15 Feb 2018 19:37

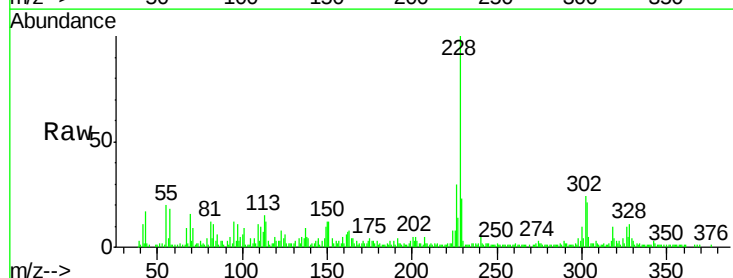
Tgt Ion:228 Resp: 53725

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

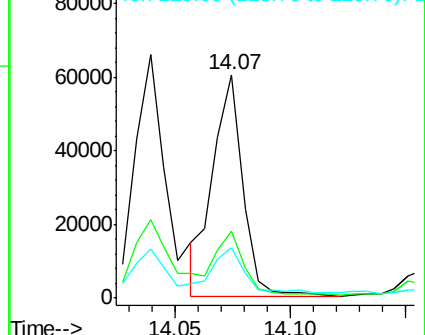
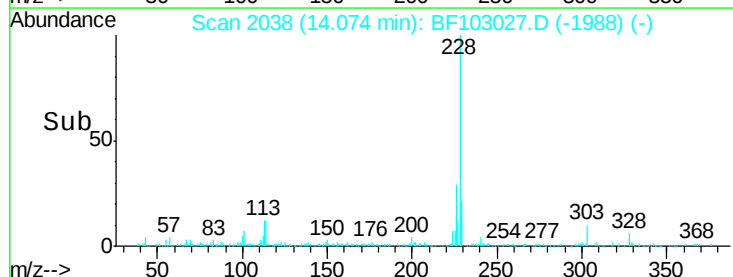
229 22.6 16.2 24.4

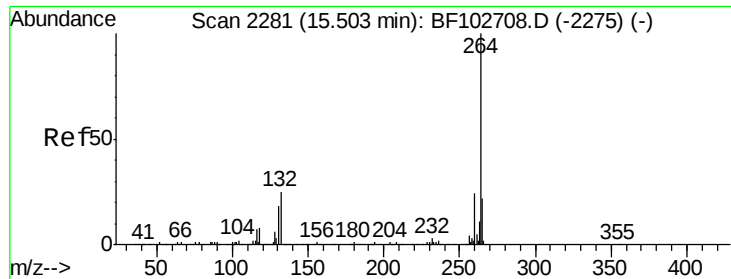


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

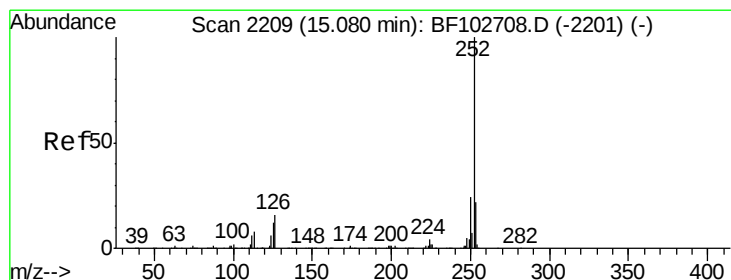
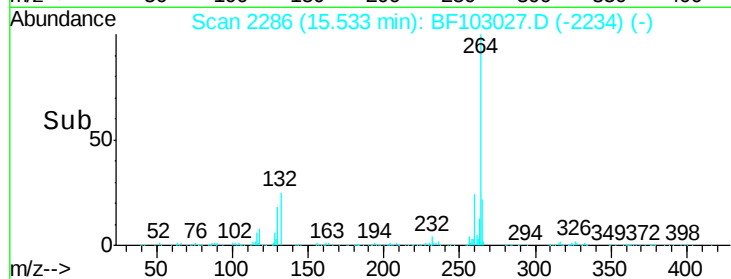
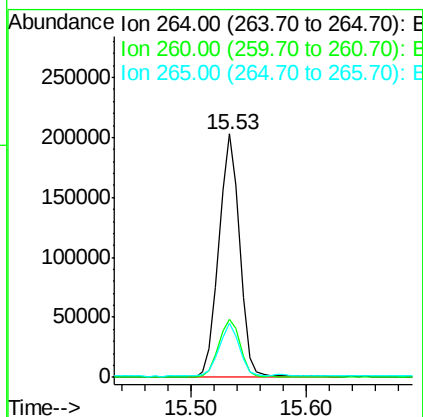
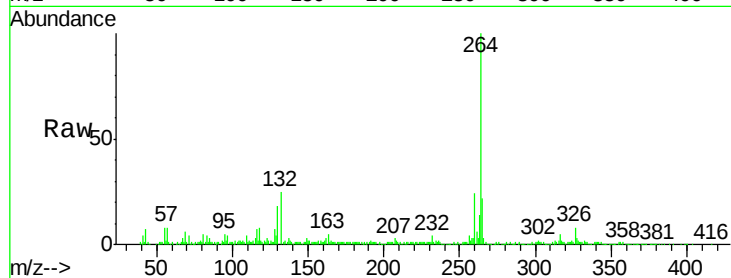




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF103027.D
Acq: 15 Feb 2018 19:37

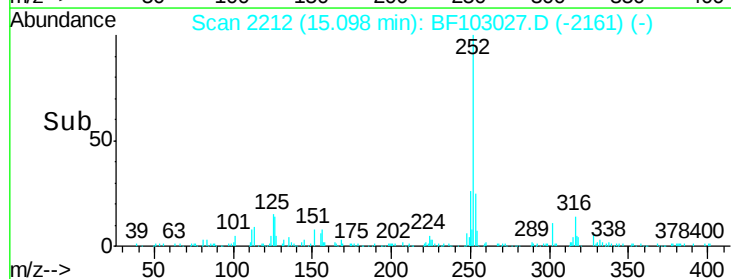
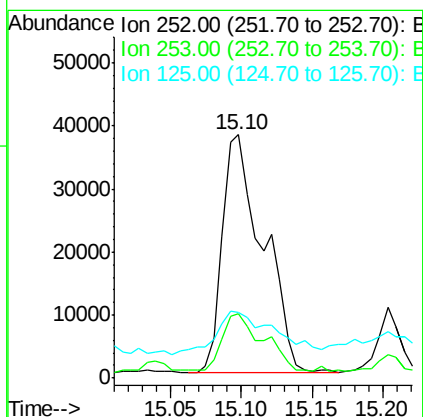
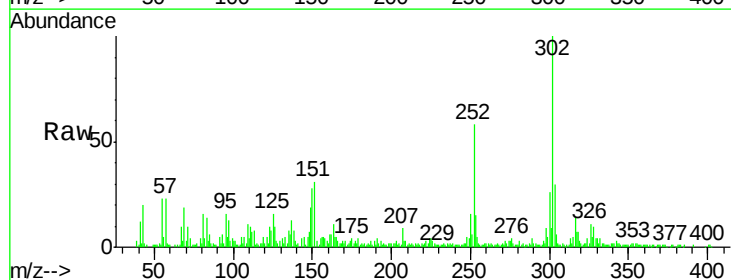
Instrument :
BNA_F
ClientSampleId :

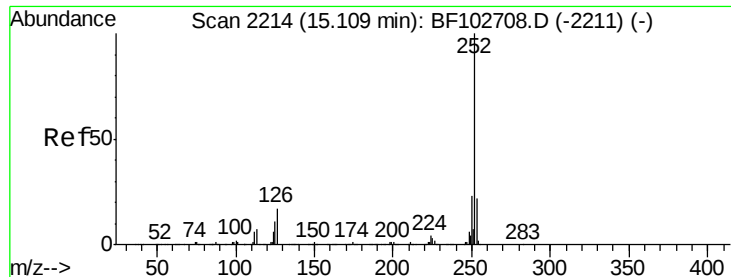
Tot Ion:264 Resp: 252006
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.67 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF103027.D
Acq: 15 Feb 2018 19:37

Tgt Ion:252 Resp: 76310
Ion Ratio Lower Upper
252 100
253 26.7 17.0 25.6#
125 27.0 9.0 13.6#

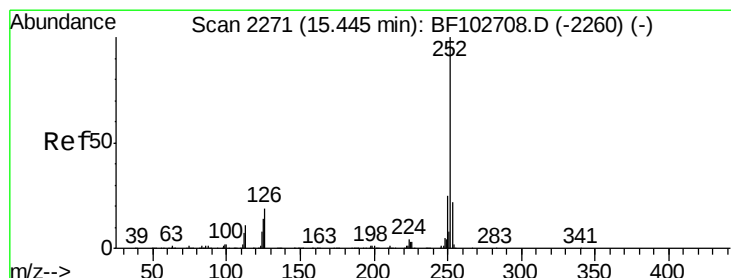
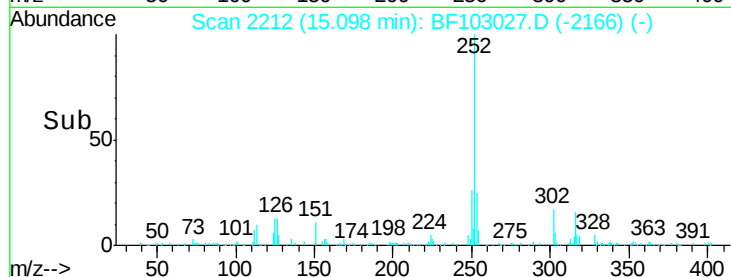
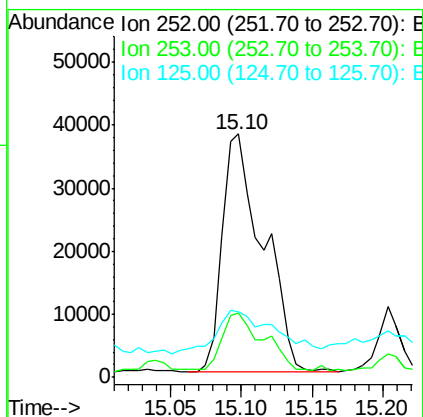
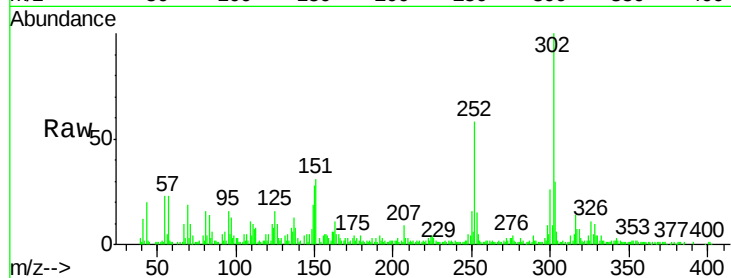




#88
Benzo(k)fluoranthene
Concen: 4.89 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.03 min
Lab File: BF103027.D
Acq: 15 Feb 2018 19:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 76310
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 27.0 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.74 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF103027.D
Acq: 15 Feb 2018 19:37

Tgt Ion:252 Resp: 40342
Ion Ratio Lower Upper
252 100
253 25.1 17.1 25.7
125 25.2 9.8 14.6#

