

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102920.D
 Acq On : 12 Feb 2018 15:07
 Operator : SJ/JU
 Sample : J1491-01RX
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 00:07:04 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	192975	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	784526	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	310801	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	442903	20.00	ng	0.00
75) Chrysene-d12	14.06	240	361975	20.00	ng	0.00
86) Perylene-d12	15.54	264	324259	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	81855	6.44	ng	0.01
7) Phenol-d6	6.51	99	642770	42.01	ng	0.00
23) Nitrobenzene-d5	7.45	82	1094589	96.79	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	15409	6.16	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1529420	81.66	ng	0.00
78) Terphenyl-d14	13.00	244	1055486	69.04	ng	0.00

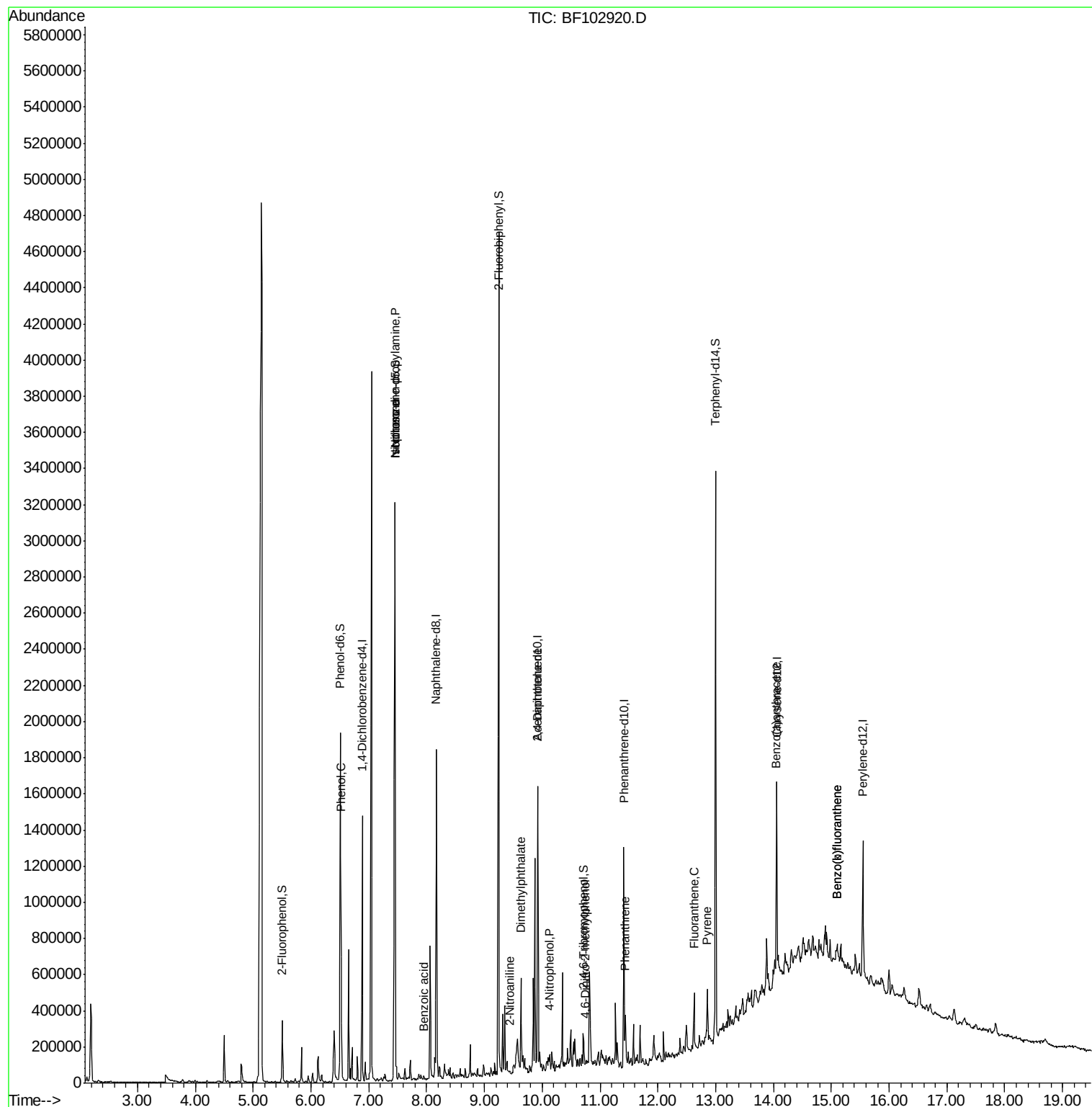
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	129520	7.90	ng	95
19) n-Nitroso-di-n-propylamine	7.45	70	161371	16.00	ng	# 83
25) Isophorone	7.45	82	1091706	41.92	ng	# 64
32) Benzoic acid	7.96	122	108	8.56	ng	# 18
47) 2-Nitroaniline	9.44	65	823	3.59	ng	# 2
49) Dimethylphthalate	9.63	163	146025	6.03	ng	99
55) 4-Nitrophenol	10.13	139	6752	5.40	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	41922	9.42	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.75	198	118	8.85	ng	# 1
70) Phenanthrene	11.43	178	93841	3.80	ng	97
74) Fluoranthene	12.63	202	101356	4.08	ng	98
77) Pylene	12.86	202	93524	3.29	ng	99
80) Benzo(a)anthracene	14.05	228	50951	2.24	ng	97
87) Benzo(b)fluoranthene	15.10	252	68947	3.28	ng	# 72
88) Benzo(k)fluoranthene	15.10	252	68947	3.43	ng	# 75

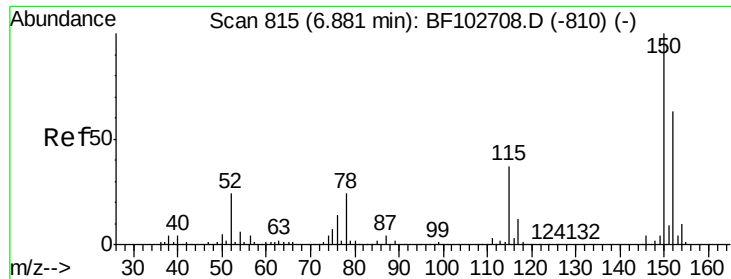
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102920.D
Acq On : 12 Feb 2018 15:07
Operator : SJ/JU
Sample : J1491-01RX
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 13 00:07:04 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



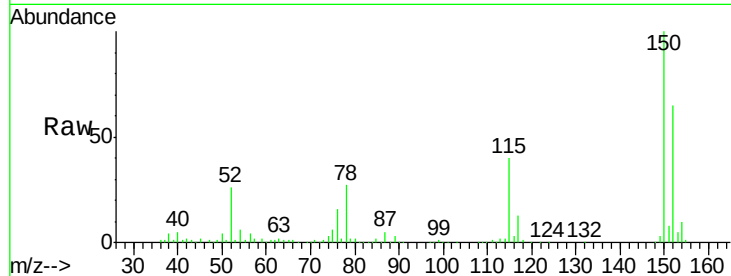


#1

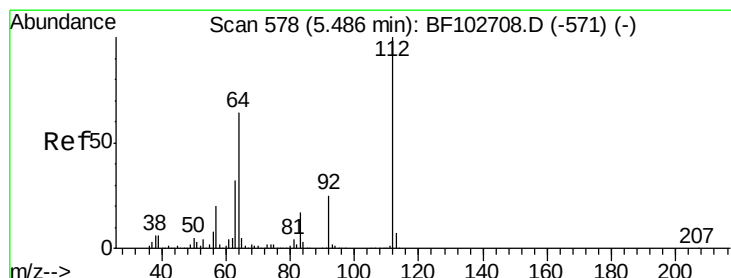
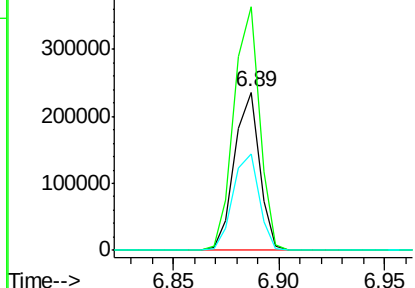
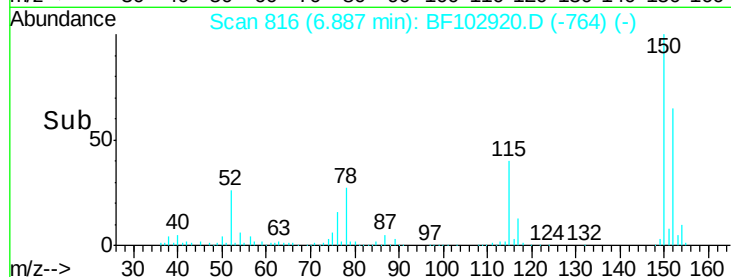
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102920.D
Acq: 12 Feb 2018 15:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 192975
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 61.2 50.1 75.1



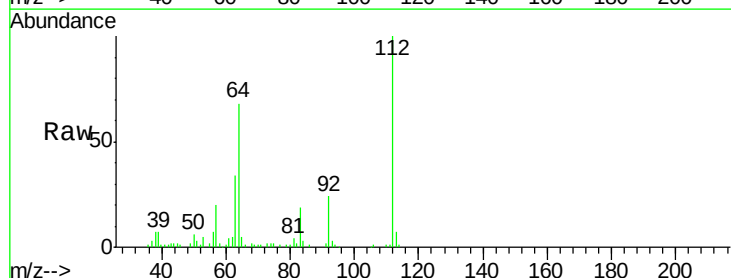
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



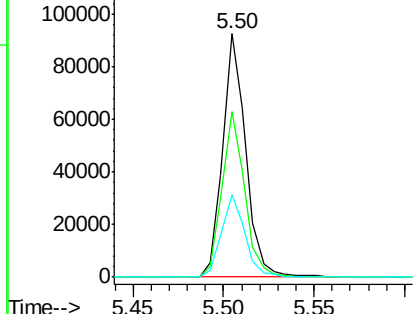
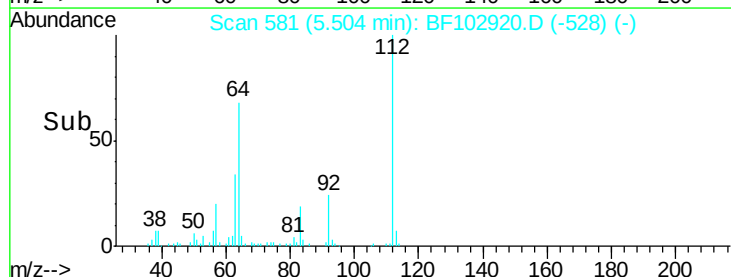
#5

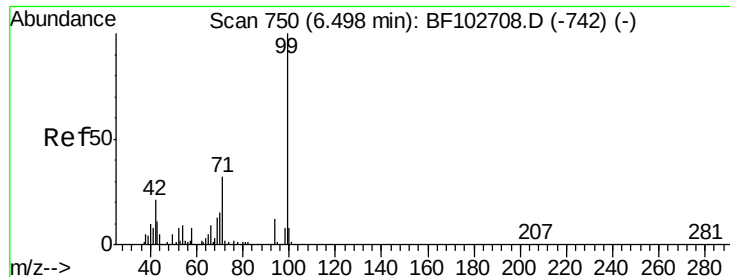
2-Fluorophenol
Concen: 6.44 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102920.D
Acq: 12 Feb 2018 15:07

Tgt Ion:112 Resp: 81855
Ion Ratio Lower Upper
112 100
64 68.0 47.9 71.9
63 33.9 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: 42.01 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

Instrument :

BNA_F

ClientSampleId :

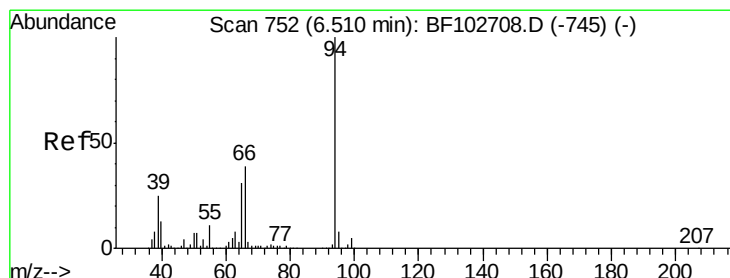
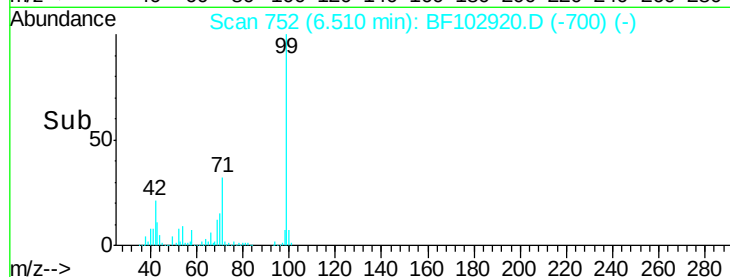
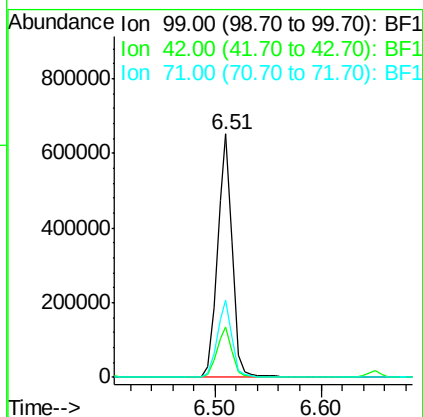
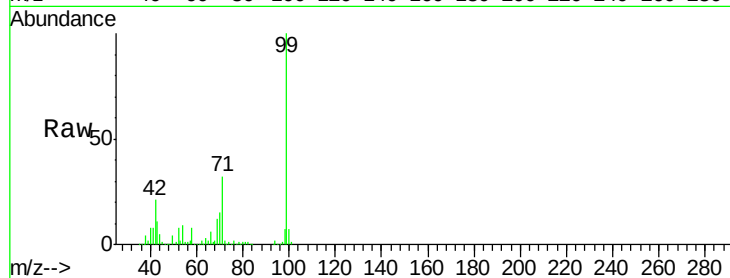
Tot Ion: 99 Resp: 642770

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

71 31.6 25.4 38.0



#10

Phenol

Concen: 7.90 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

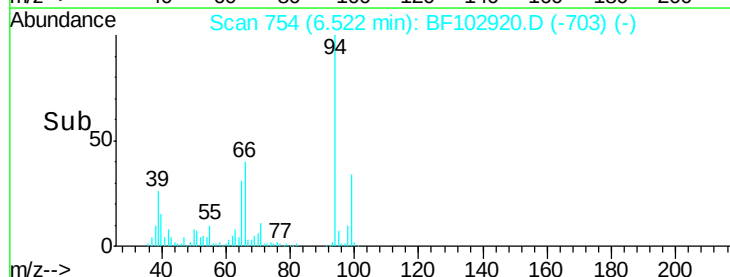
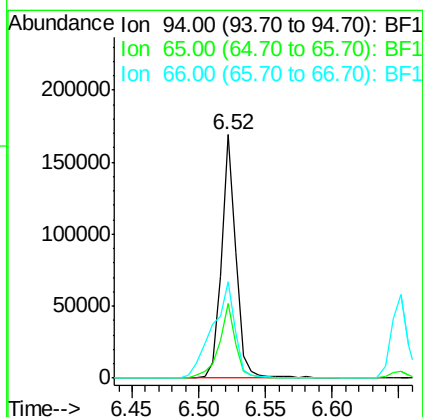
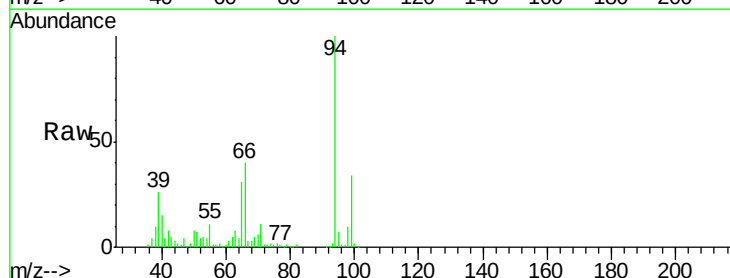
Tgt Ion: 94 Resp: 129520

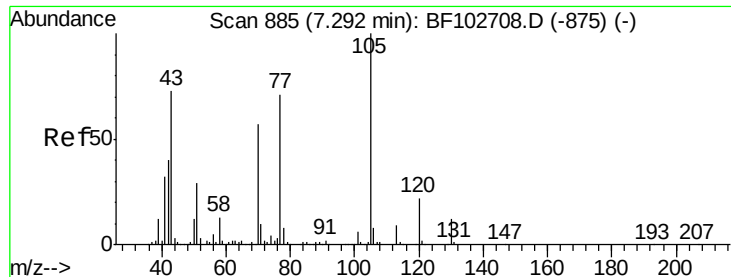
Ion Ratio Lower Upper

94 100

65 30.5 7.9 47.9

66 39.7 16.2 56.2

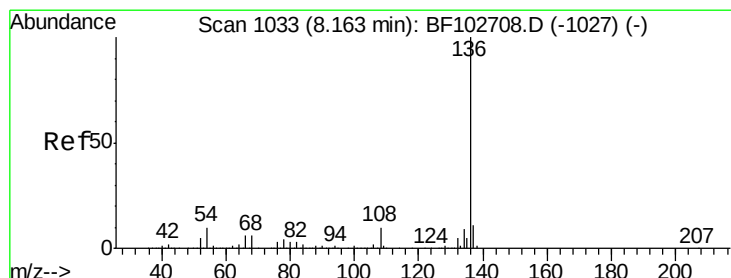
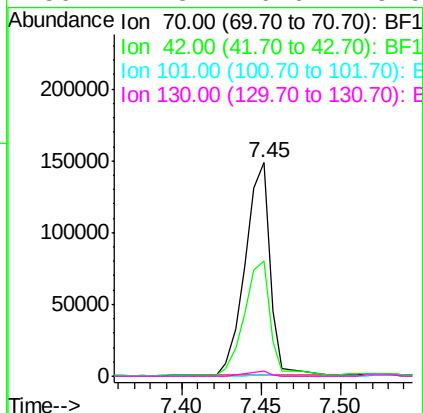
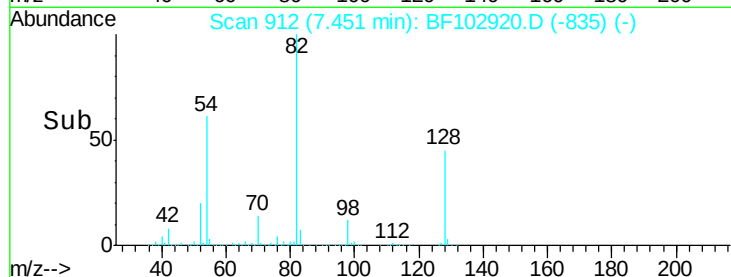
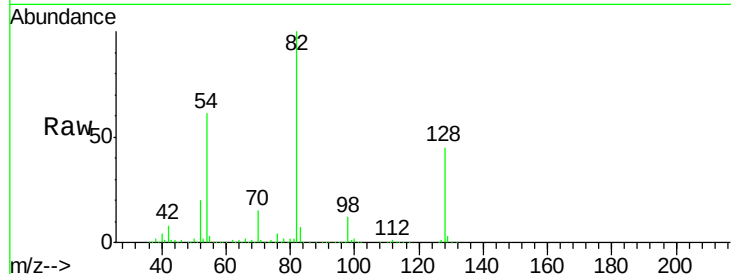




#19
n-Nitroso-di-n-propylamine
Concen: 16.00 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.15 min
Lab File: BF102920.D
Acq: 12 Feb 2018 15:07

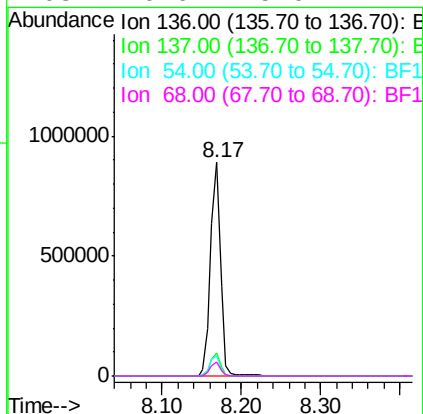
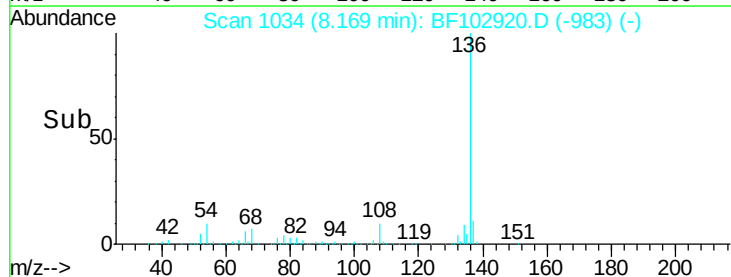
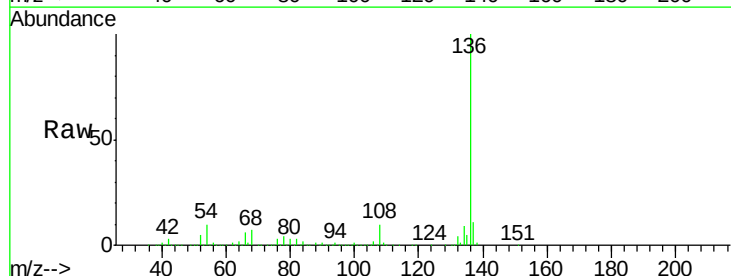
Instrument :
BNA_F
ClientSampleId :

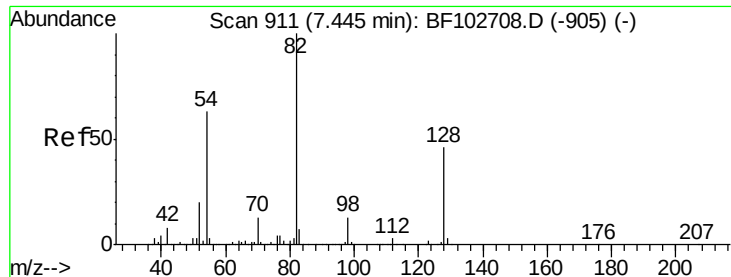
Tot Ion: 70 Resp: 161371
Ion Ratio Lower Upper
70 100
42 53.9 47.5 71.3
101 0.9 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF102920.D
Acq: 12 Feb 2018 15:07

Tgt Ion: 136 Resp: 784526
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.7 6.6 9.8
68 6.6 5.0 7.4

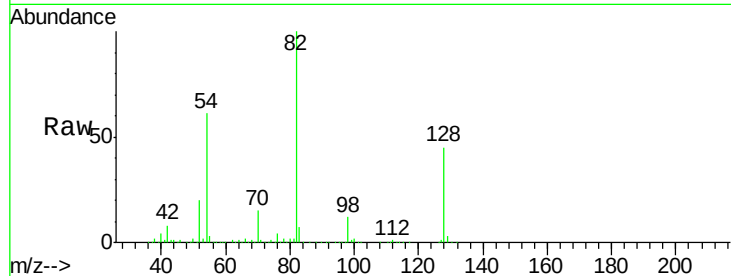




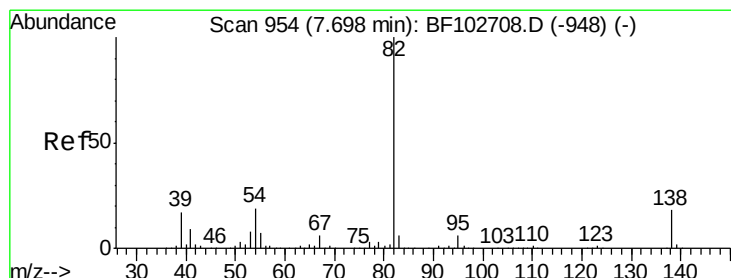
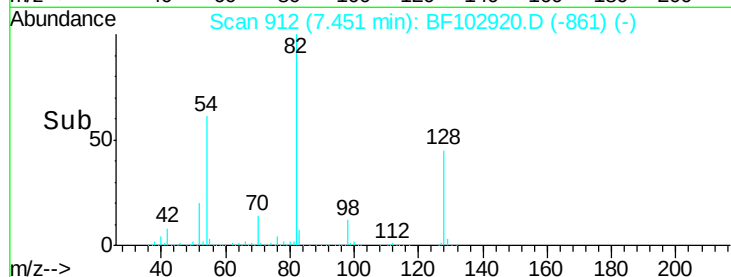
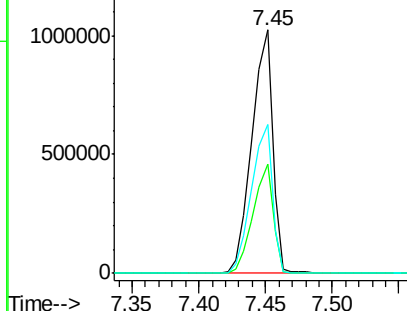
#23
Nitrobenzene-d5
Concen: 96.79 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.00 min
Lab File: BF102920.D
Acq: 12 Feb 2018 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1094589
Ion Ratio Lower Upper
82 100
128 44.7 36.1 54.1
54 61.4 41.4 62.2

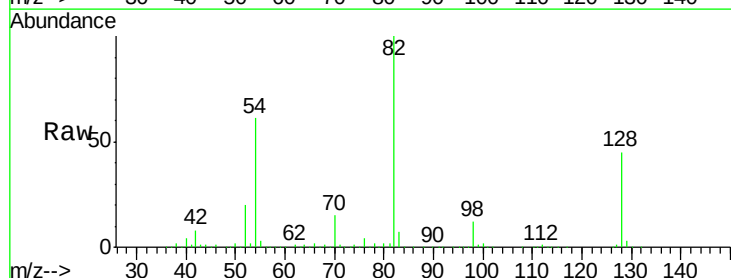


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

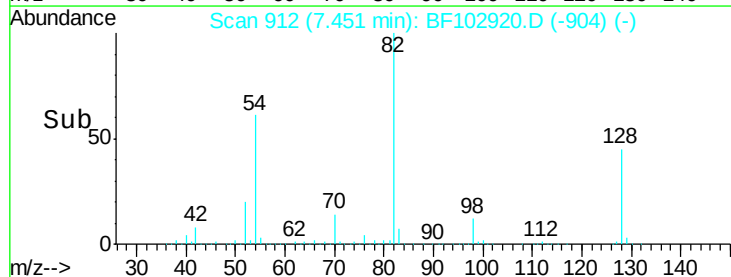
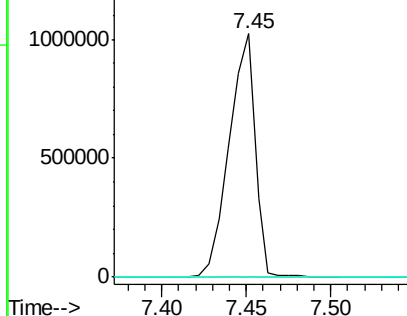


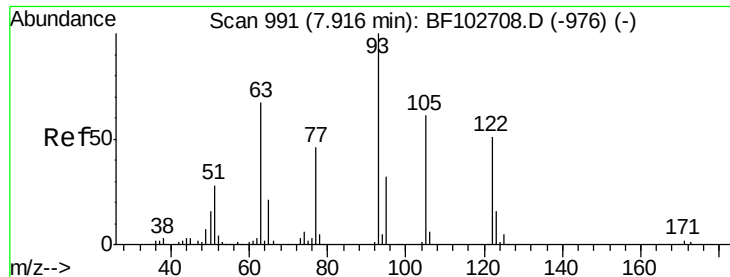
#25
Isophorone
Concen: 41.92 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.25 min
Lab File: BF102920.D
Acq: 12 Feb 2018 15:07

Tgt Ion: 82 Resp: 1091706
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

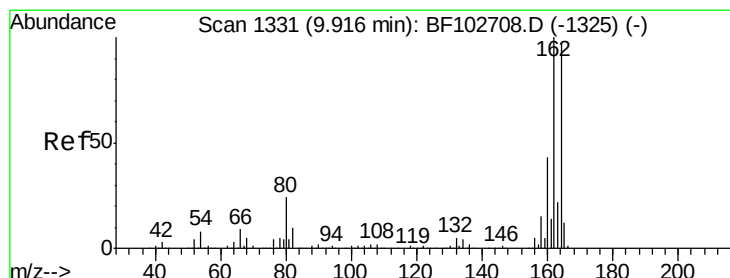
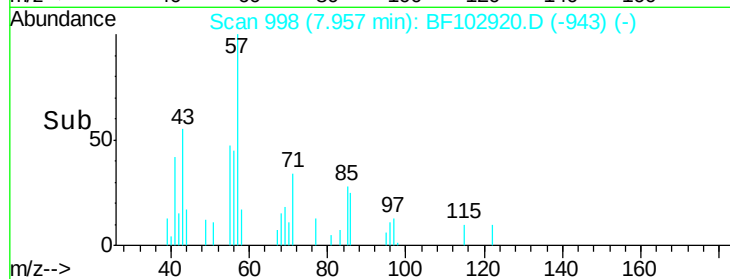
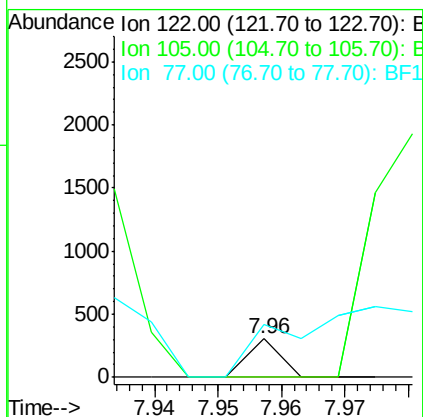
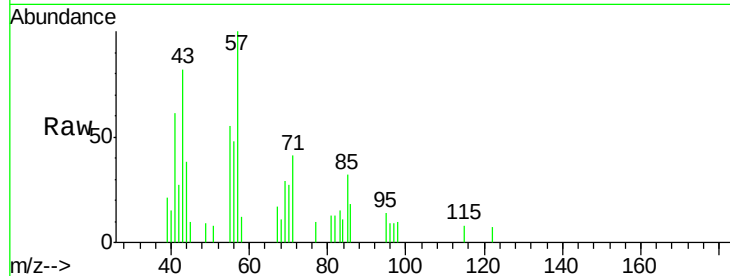




#32
Benzoic acid
Concen: 8.56 ng
RT: 7.96 min Scan# 998
Delta R.T. 0.02 min
Lab File: BF102920.D
Acq: 12 Feb 2018 15:07

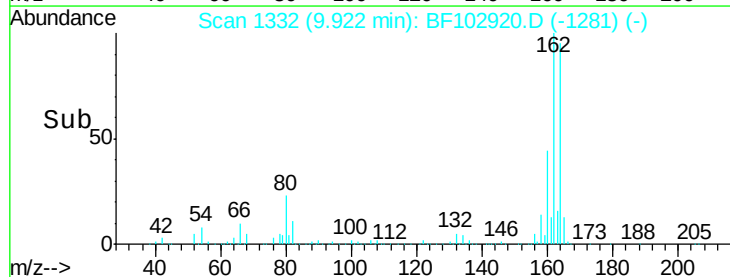
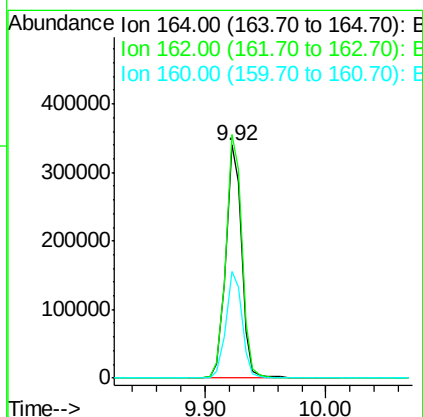
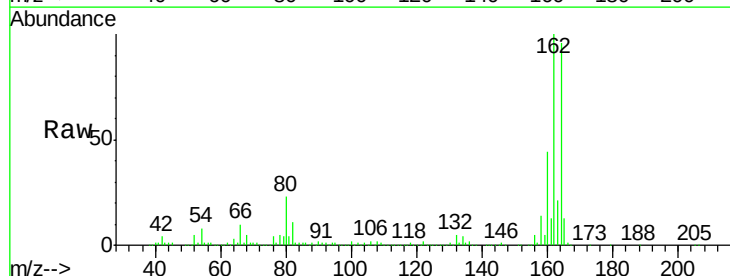
Instrument :
BNA_F
ClientSampled :

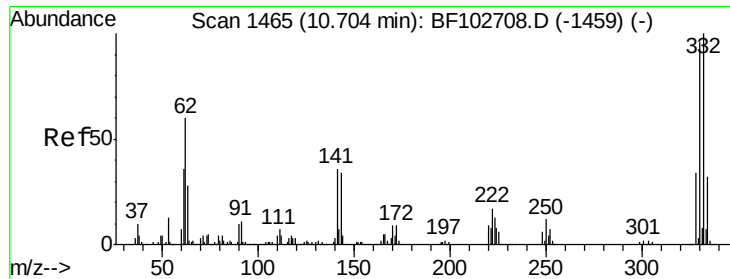
Tot Ion:122 Resp: 108
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 135.5 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102920.D
Acq: 12 Feb 2018 15:07

Tgt Ion:164 Resp: 310801
Ion Ratio Lower Upper
164 100
162 104.4 86.1 129.1
160 46.0 38.3 57.5

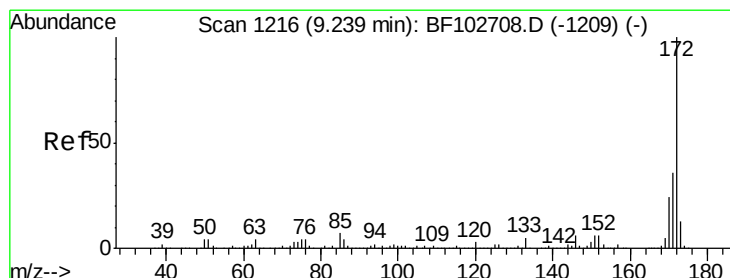
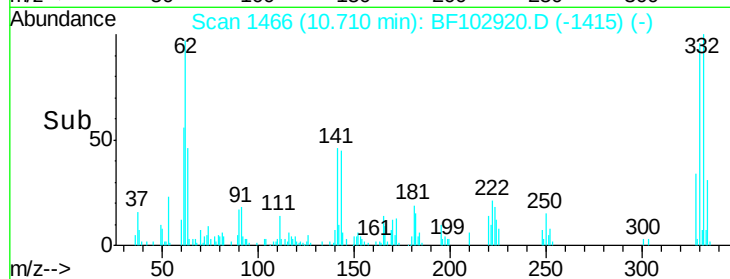
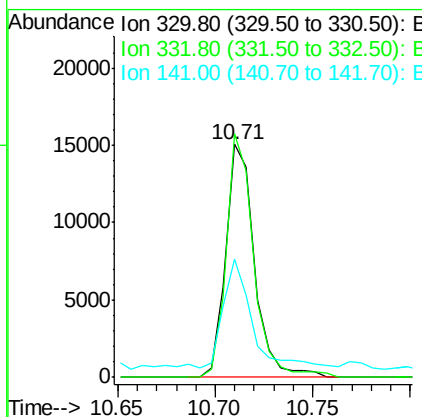
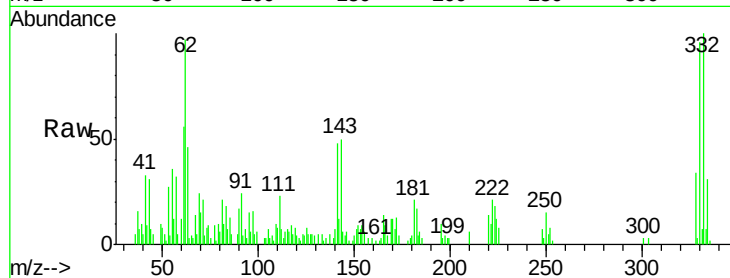




#41
 2,4,6-Tribromophenol
 Concen: 6.16 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102920.D
 Acq: 12 Feb 2018 15:07

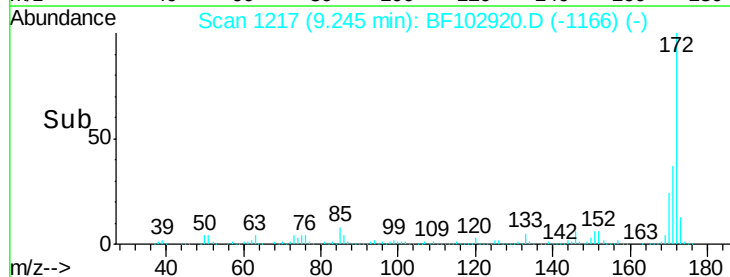
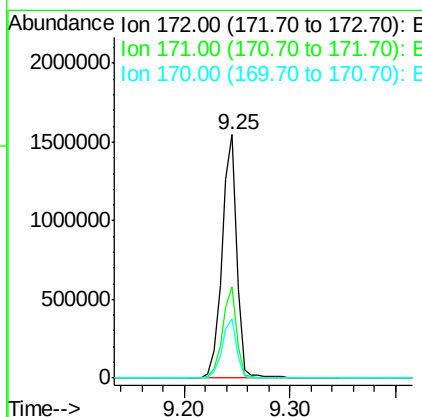
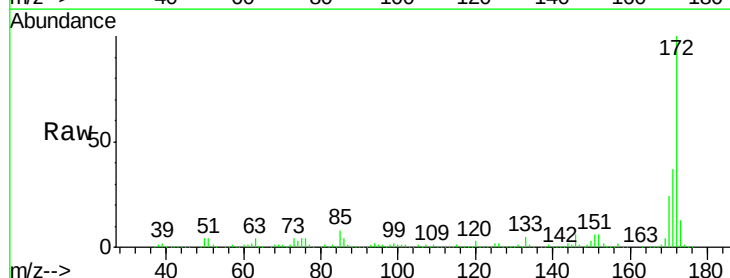
Instrument :
 BNA_F
 ClientSampleId :

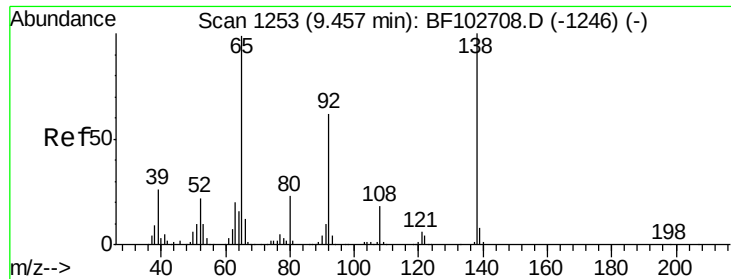
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.4	77.0	115.6
141	46.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 81.66 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF102920.D
 Acq: 12 Feb 2018 15:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	24.4	19.6	29.4





#47

2-Nitroaniline

Concen: 3.59 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.02 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

Instrument :

BNA_F

ClientSampleId :

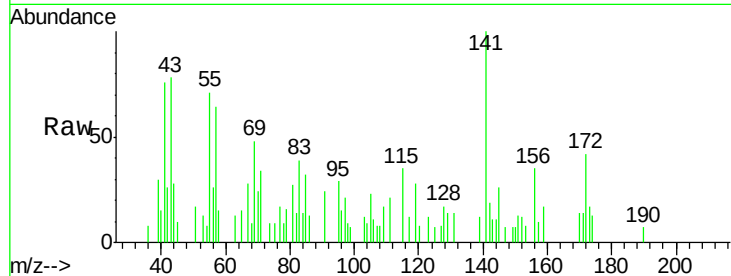
Tot Ion: 65 Resp: 823

Ion Ratio Lower Upper

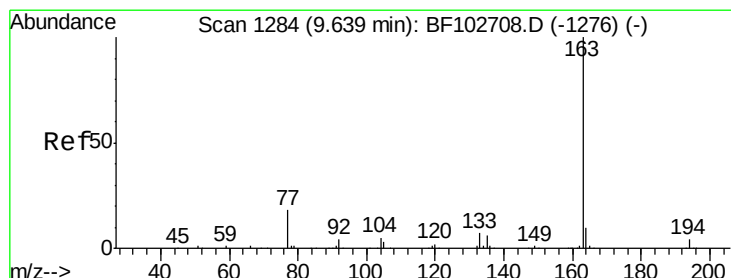
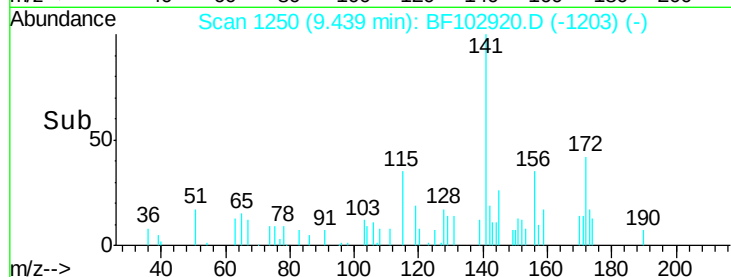
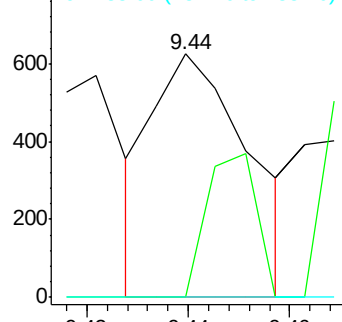
65 100

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): BF1



#49

Dimethylphthalate

Concen: 6.03 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

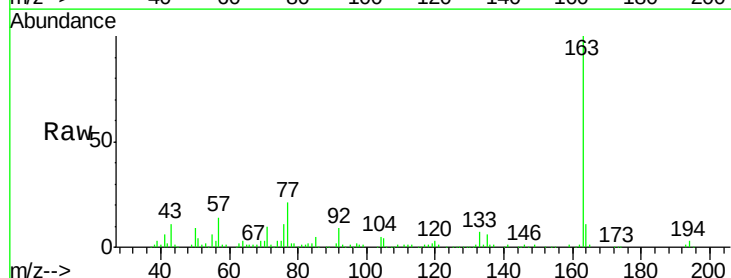
Tgt Ion: 163 Resp: 146025

Ion Ratio Lower Upper

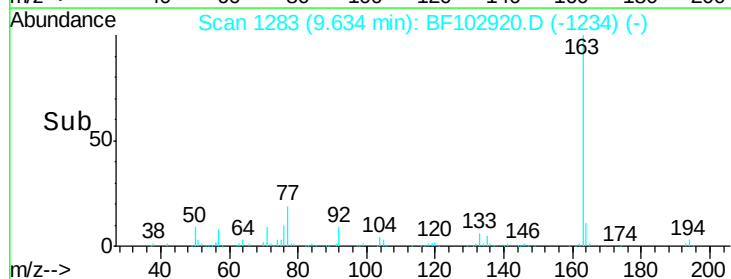
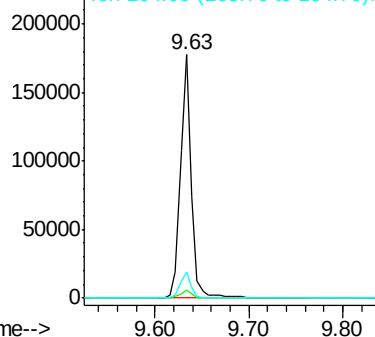
163 100

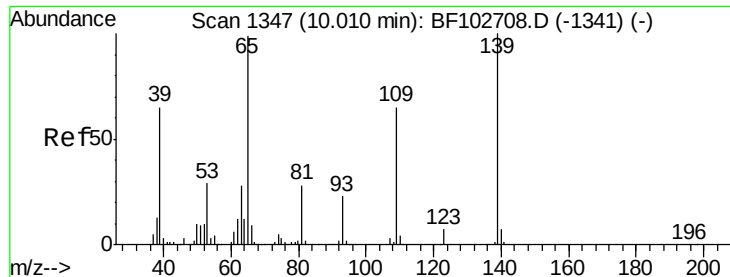
194 3.4 2.7 4.1

164 10.8 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

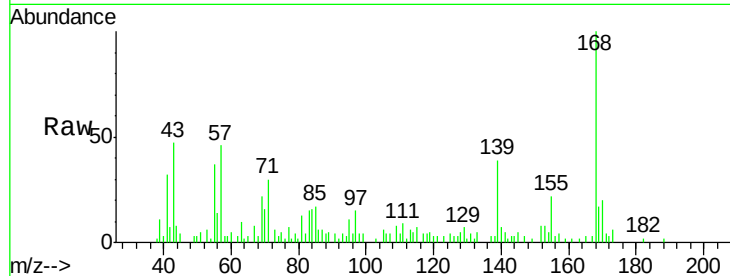




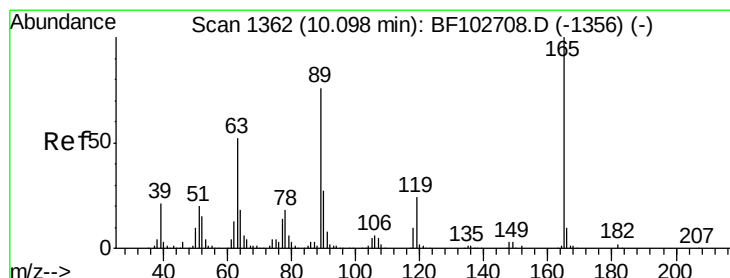
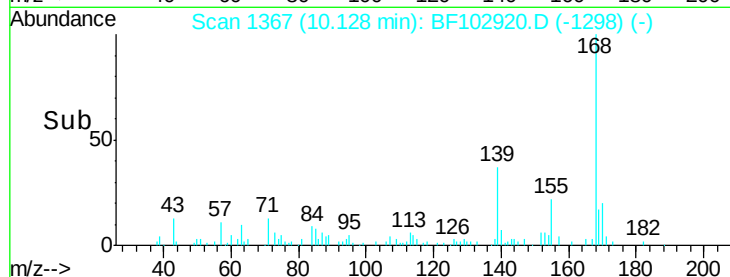
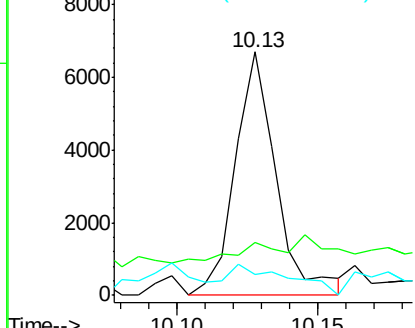
#55
4-Nitrophenol
Concen: 5.40 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.11 min
Lab File: BF102920.D
Acq: 12 Feb 2018 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 6752
Ion Ratio Lower Upper
139 100
109 21.5 48.4 88.4#
65 8.4 72.6 112.6#

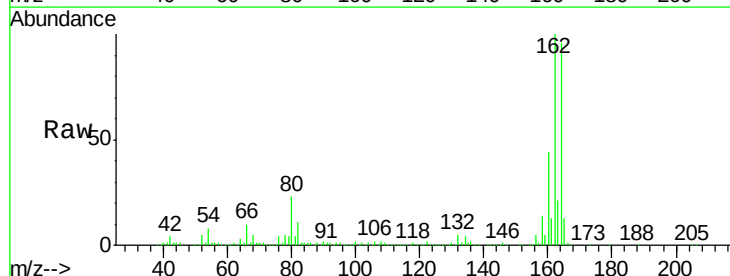


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

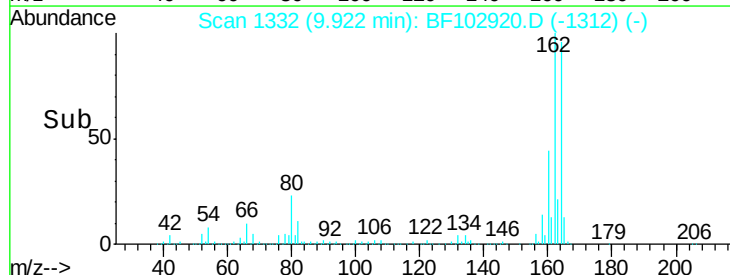
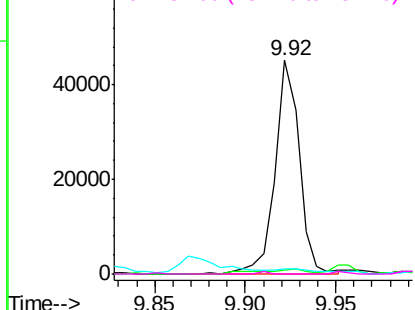


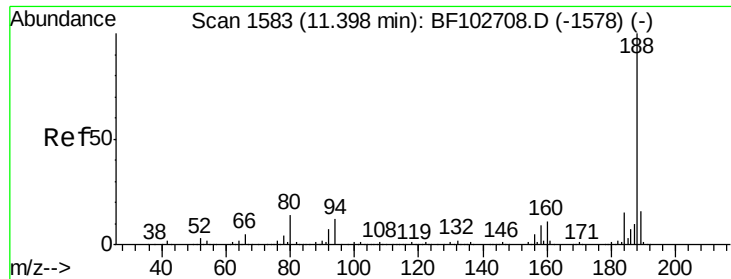
#56
2,4-Dinitrotoluene
Concen: 9.42 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.18 min
Lab File: BF102920.D
Acq: 12 Feb 2018 15:07

Tgt Ion:165 Resp: 41922
Ion Ratio Lower Upper
165 100
63 2.1 36.4 54.6#
89 2.4 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: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

Instrument :

BNA_F

ClientSampleId :

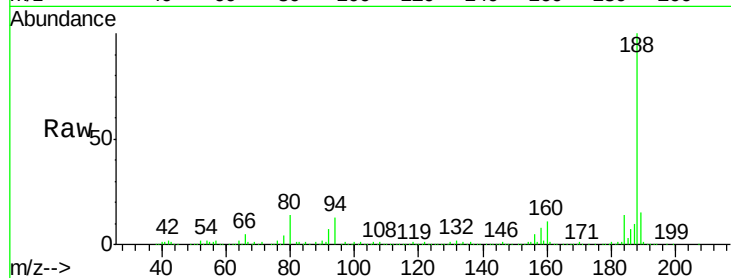
Tot Ion:188 Resp: 442903

Ion Ratio Lower Upper

188 100

94 13.4 8.5 12.7#

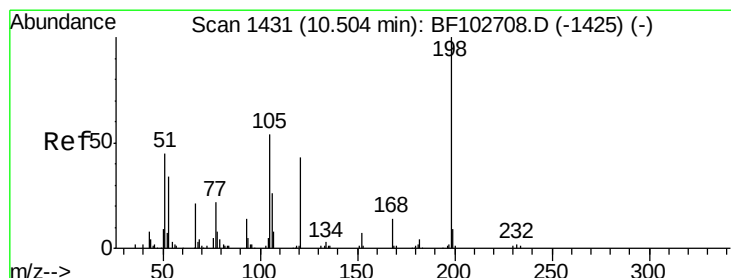
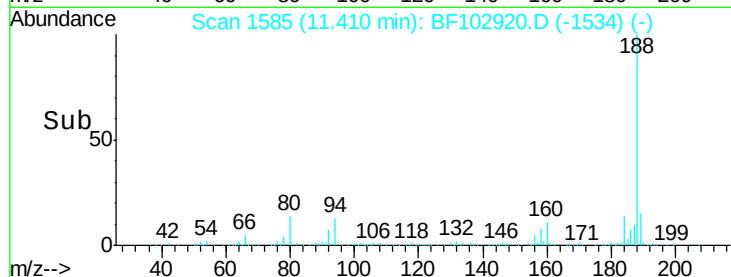
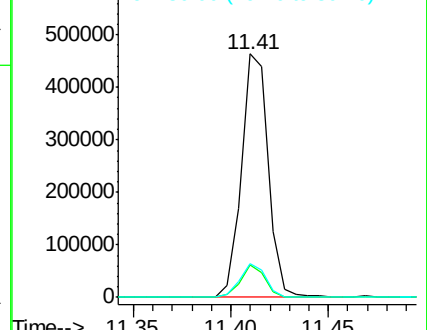
80 13.9 9.2 13.8#



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: 8.85 ng

RT: 10.75 min Scan# 1472

Delta R.T. 0.23 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

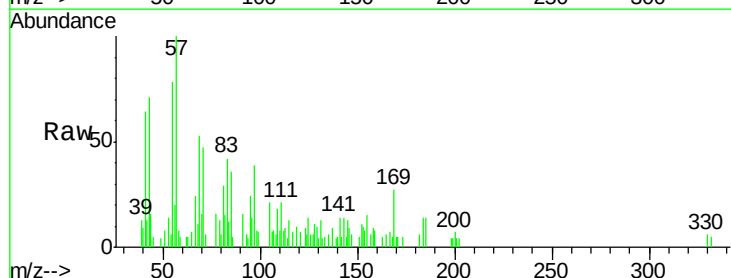
Tgt Ion:198 Resp: 118

Ion Ratio Lower Upper

198 100

51 180.0 37.7 77.7#

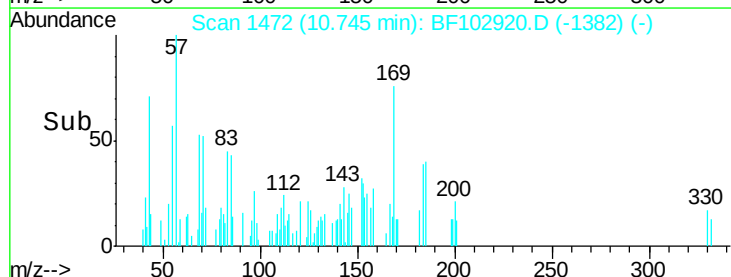
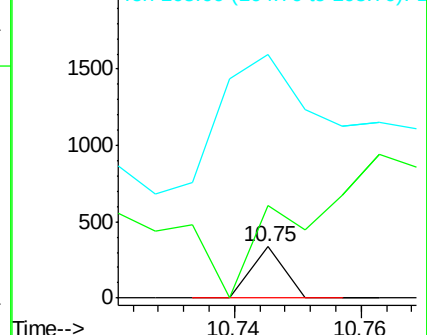
105 476.1 36.3 76.3#

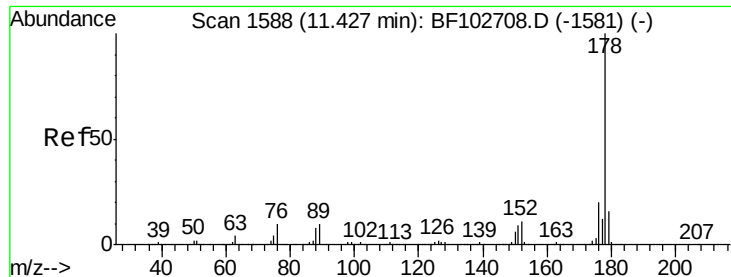


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 3.80 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

Instrument :

BNA_F

ClientSampleId :

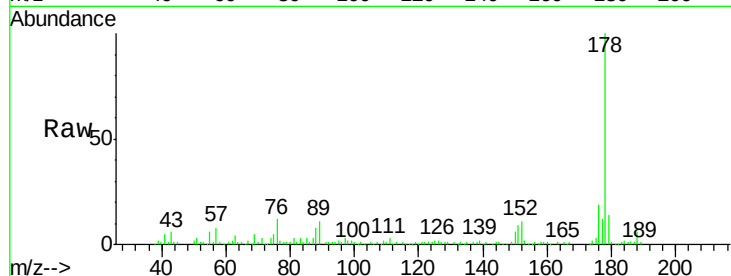
Tot Ion:178 Resp: 93841

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

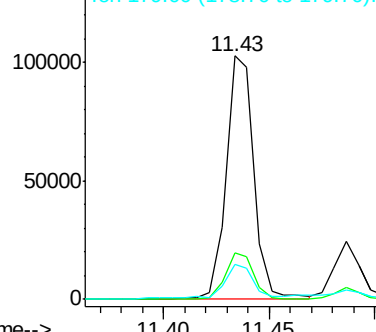
179 14.3 13.0 19.6



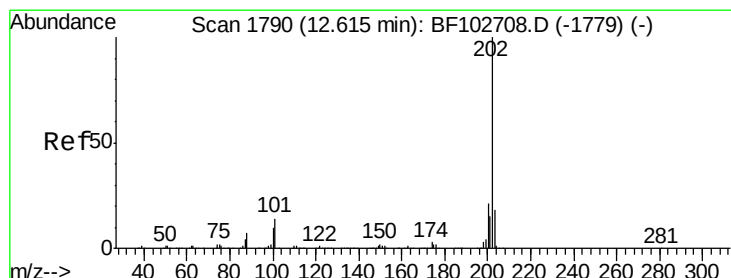
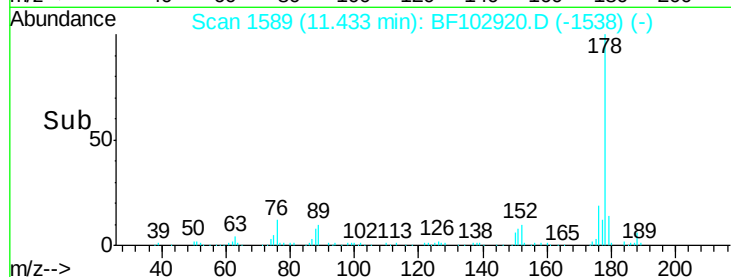
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 4.08 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

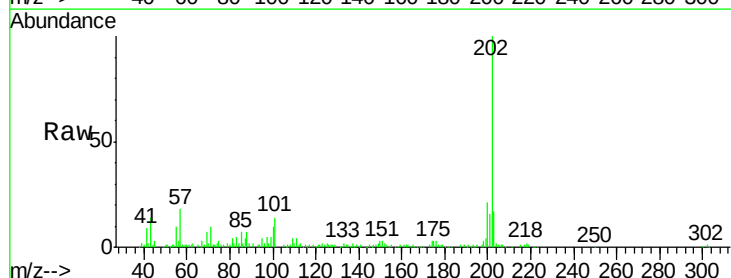
Tgt Ion:202 Resp: 101356

Ion Ratio Lower Upper

202 100

101 13.6 0.0 34.1

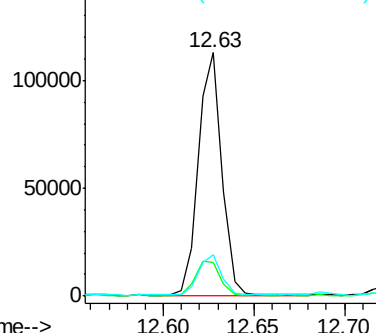
203 17.2 0.0 38.1



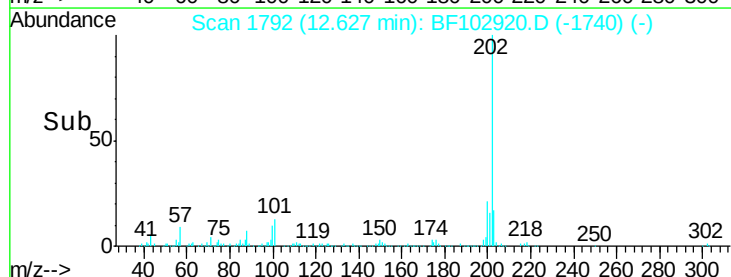
Abundance Ion 202.00 (201.70 to 202.70): E

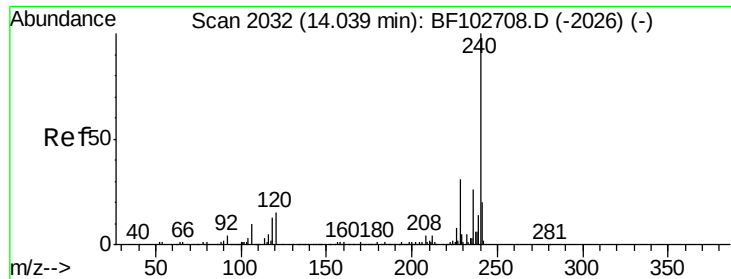
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

Instrument :

BNA_F

ClientSampleId :

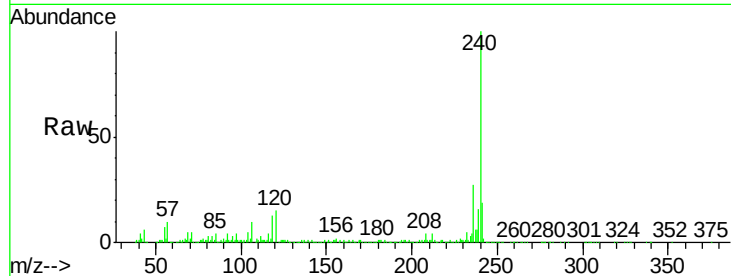
Tot Ion:240 Resp: 361975

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

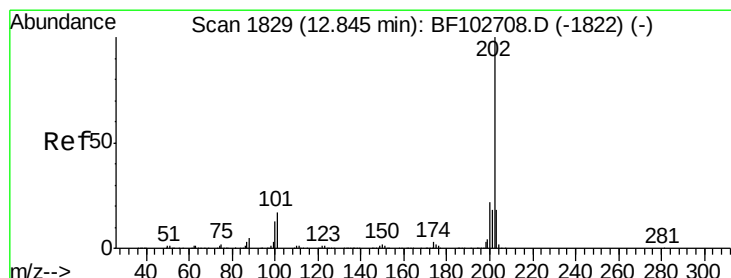
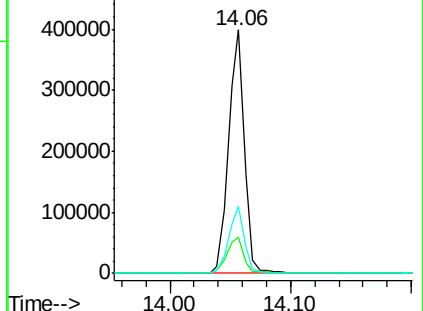
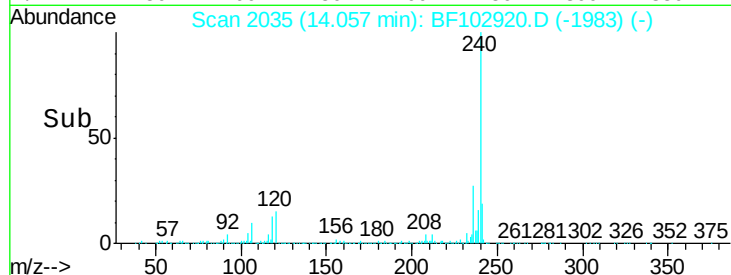
236 27.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.29 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

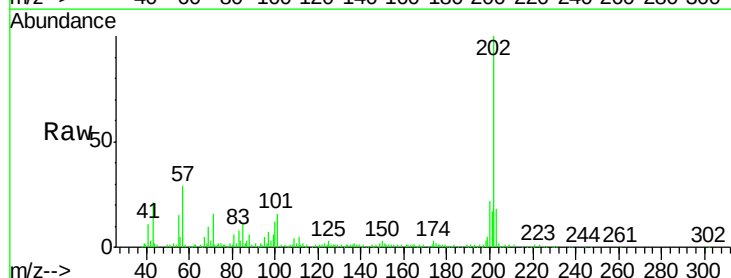
Tgt Ion:202 Resp: 93524

Ion Ratio Lower Upper

202 100

200 22.5 17.4 26.2

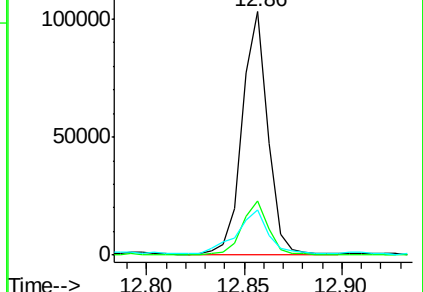
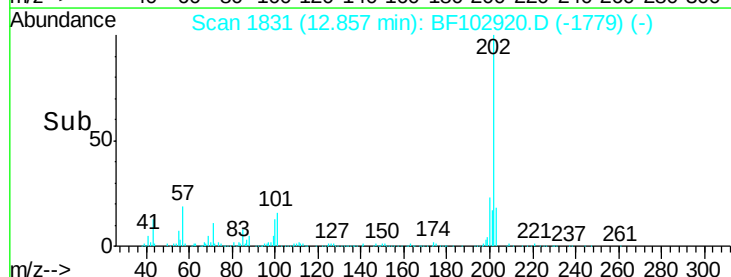
203 18.4 14.3 21.5

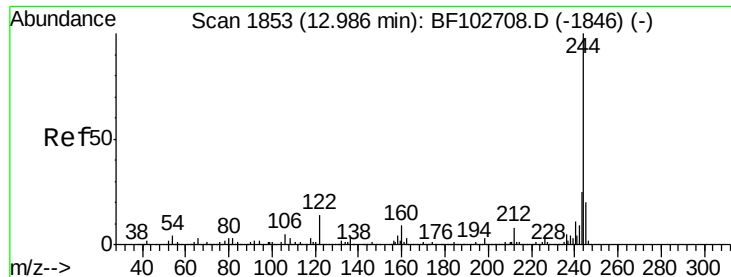


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.04 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

Instrument :

BNA_F

ClientSampled :

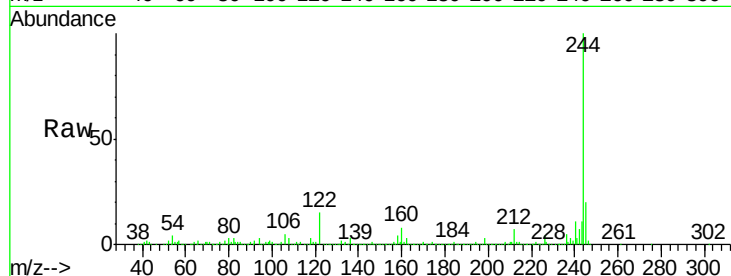
Tot Ion:244 Resp: 1055486

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

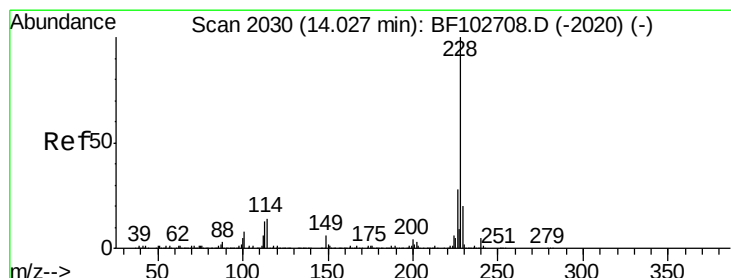
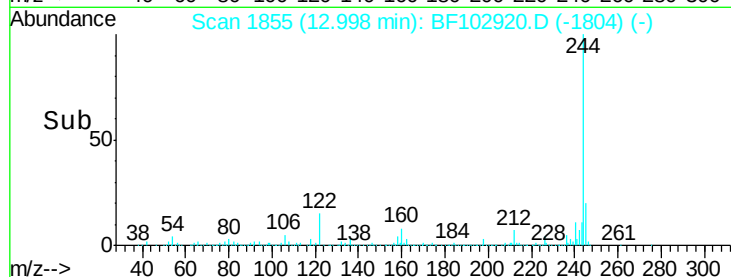
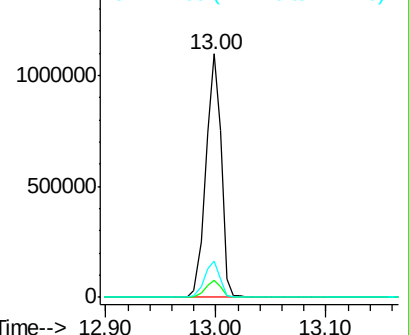
122 14.7 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.24 ng

RT: 14.05 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

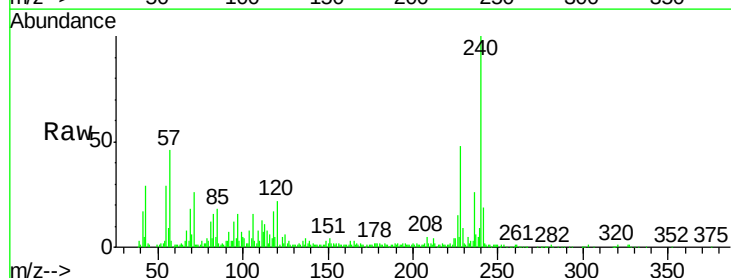
Tgt Ion:228 Resp: 50951

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

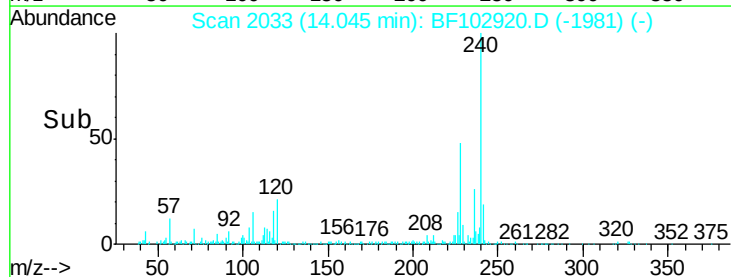
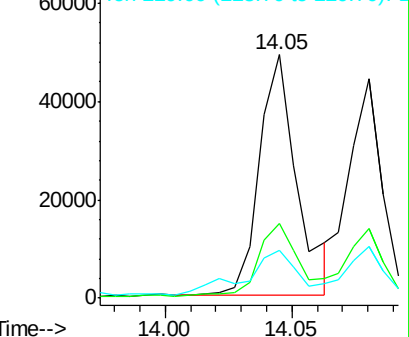
229 19.5 15.8 23.6

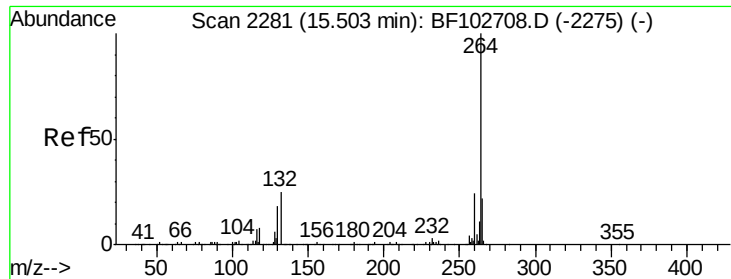


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

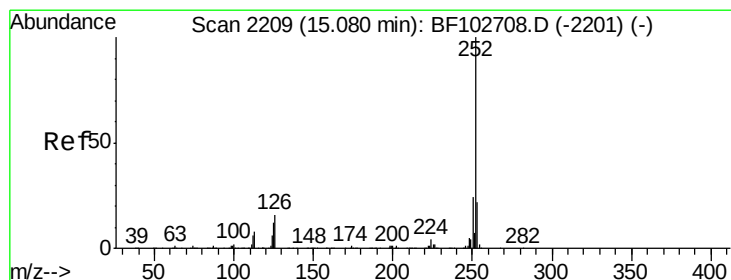
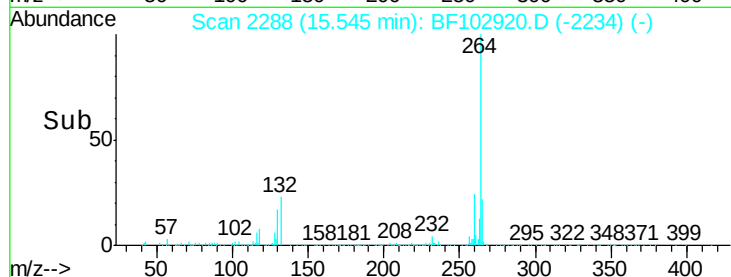
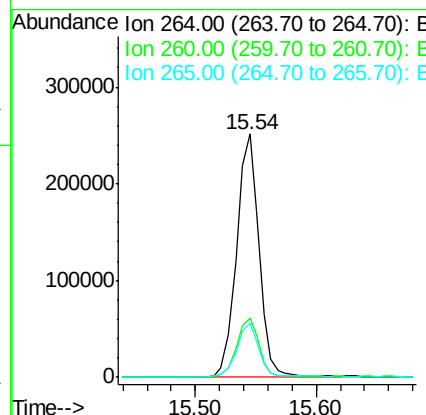
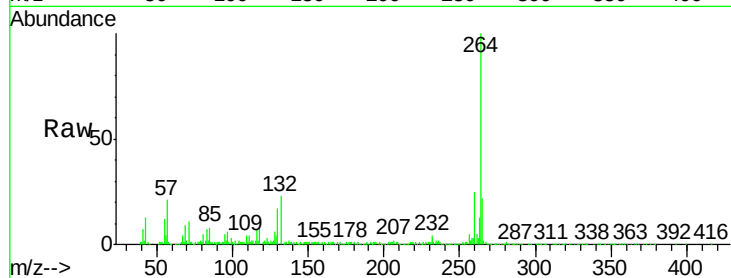




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF102920.D
Acq: 12 Feb 2018 15:07

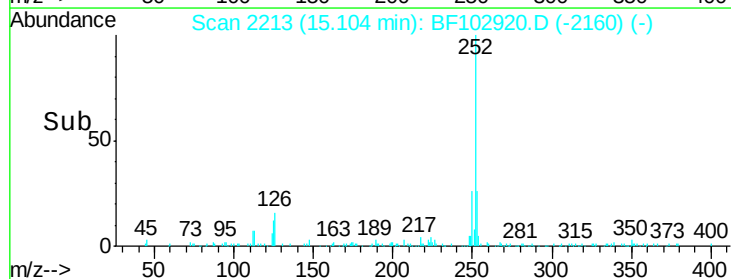
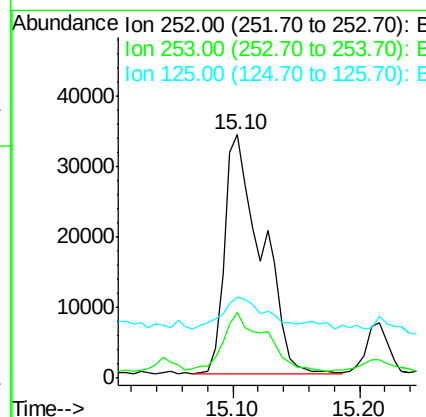
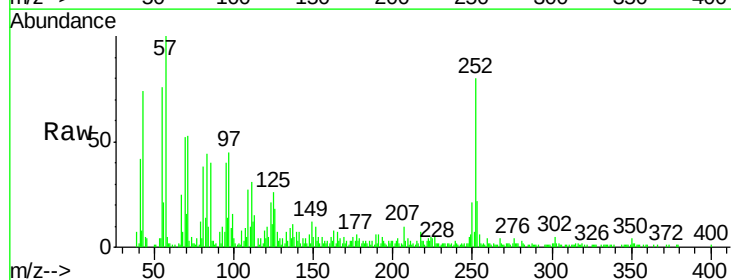
Instrument :
BNA_F
ClientSampleId :

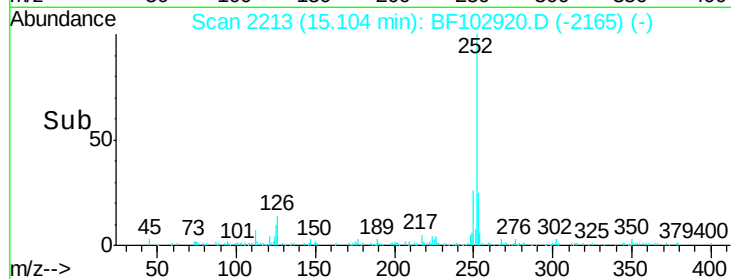
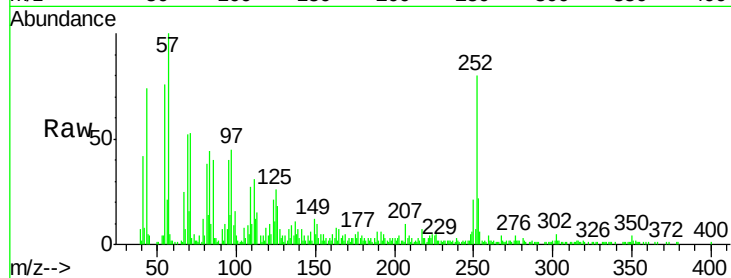
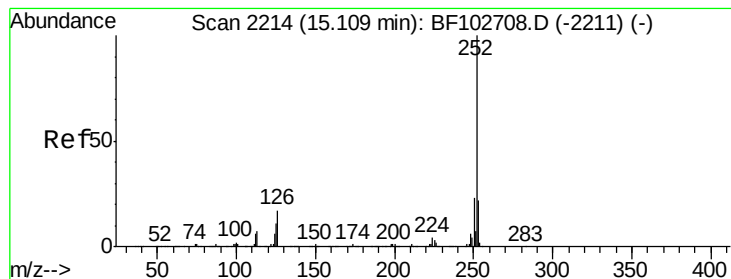
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.28 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF102920.D
Acq: 12 Feb 2018 15:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.0	25.6#
125	33.2	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 3.43 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.02 min

Lab File: BF102920.D

Acq: 12 Feb 2018 15:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	68947
Ion Ratio	Lower	Upper	
252	100		
253	27.2	17.9	26.9#
125	33.2	10.2	15.2#

