

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021618\
 Data File : BF103058.D
 Acq On : 16 Feb 2018 17:53
 Operator : SJ/JU
 Sample : J1401-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 23:16:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	169057	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	659490	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	262789	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	398757	20.00	ng	0.00
75) Chrysene-d12	14.04	240	297433	20.00	ng	-0.01
86) Perylene-d12	15.54	264	240623	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	230399	20.70	ng	0.00
7) Phenol-d6	6.50	99	284290	21.21	ng	-0.01
23) Nitrobenzene-d5	7.43	82	160040	16.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	40111	18.96	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	281047	17.75	ng	-0.01
78) Terphenyl-d14	12.98	244	203645	16.21	ng	-0.01

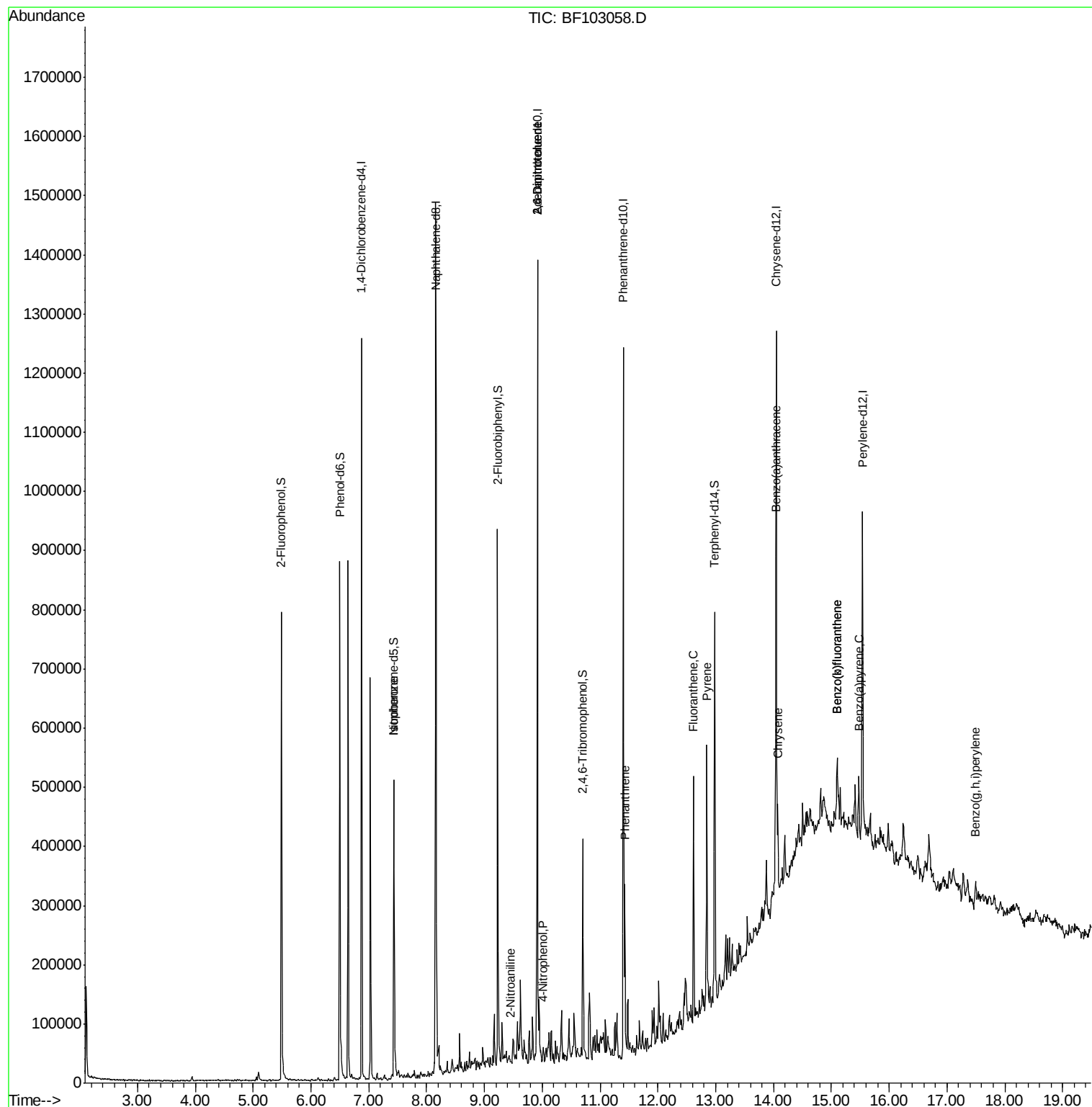
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
24) Nitrobenzene	7.43	77	437	Below Cal	#	38
25) Isophorone	7.43	82	160040	7.31	ng	64
47) 2-Nitroaniline	9.46	65	135	3.50	ng	5
50) 2,6-Dinitrotoluene	9.92	165	35915	9.21	ng	26
55) 4-Nitrophenol	10.01	139	801	4.22	ng	7
56) 2,4-Dinitrotoluene	9.92	165	35915	9.50	ng	24
70) Phenanthrene	11.43	178	94722	4.27	ng	99
74) Fluoranthene	12.62	202	148519	6.65	ng	98
77) Pyrene	12.84	202	157168	6.74	ng	99
80) Benzo(a)anthracene	14.03	228	60140	3.22	ng	95
82) Chrysene	14.07	228	59697	3.17	ng	97
87) Benzo(b)fluoranthene	15.10	252	78328	5.02	ng	# 85
88) Benzo(k)fluoranthene	15.10	252	78328	5.25	ng	# 88
89) Benzo(a)pyrene	15.47	252	42695	3.04	ng	# 84
91) Benzo(a,h,i)perylene	17.50	276	24543	2.20	ng	# 91

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021618\
Data File : BF103058.D
Acq On : 16 Feb 2018 17:53
Operator : SJ/JU
Sample : J1401-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 16 23:16:45 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 16 14:34:49 2018
Response via : Initial Calibration



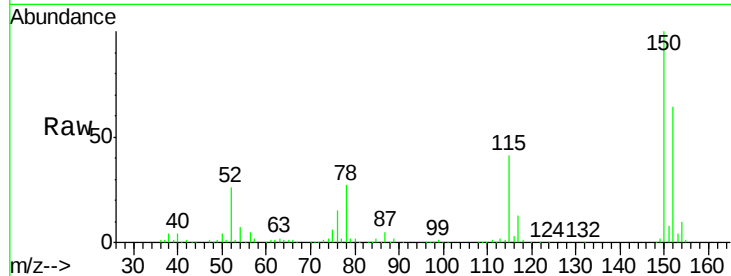


#1

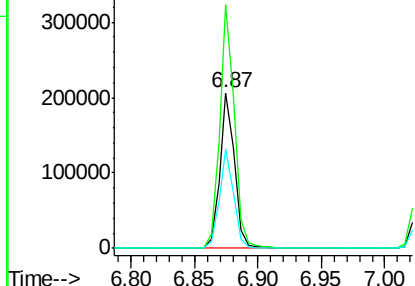
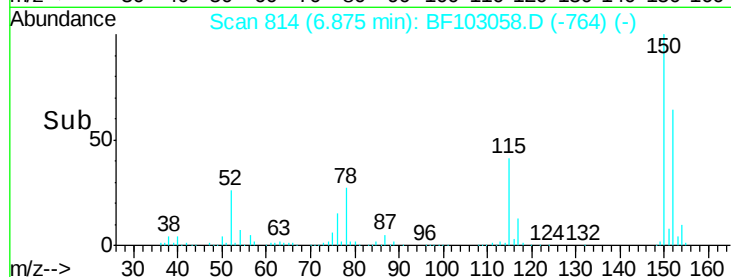
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103058.D
Acq: 16 Feb 2018 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169057
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 63.6 50.1 75.1



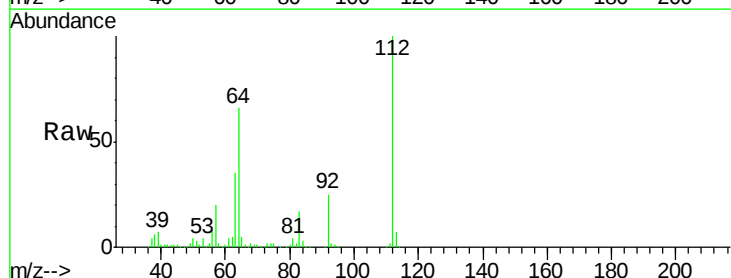
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



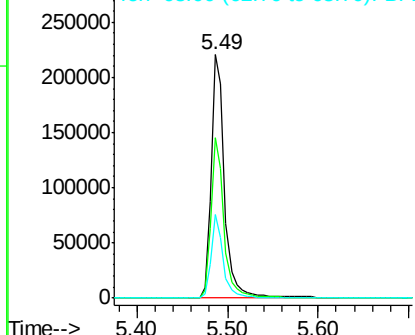
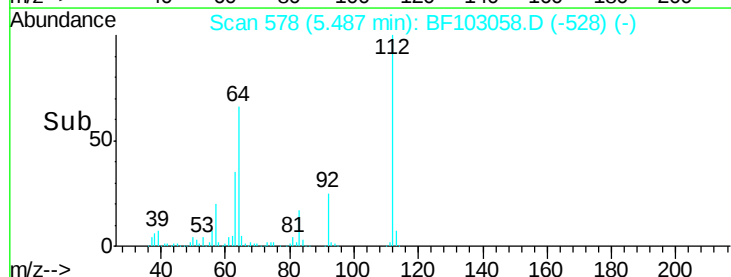
#5

2-Fluorophenol
Concen: 20.70 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF103058.D
Acq: 16 Feb 2018 17:53

Tgt Ion:112 Resp: 230399
Ion Ratio Lower Upper
112 100
64 65.9 47.9 71.9
63 34.5 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: 21.21 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103058.D

Acq: 16 Feb 2018 17:53

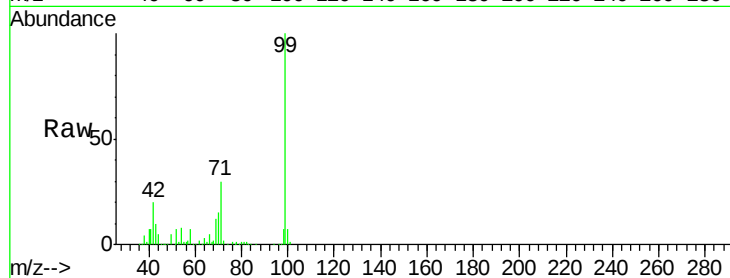
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 284290

Ion	Ratio	Lower	Upper
99	100		
42	19.9	14.5	21.7
71	30.5	25.4	38.0

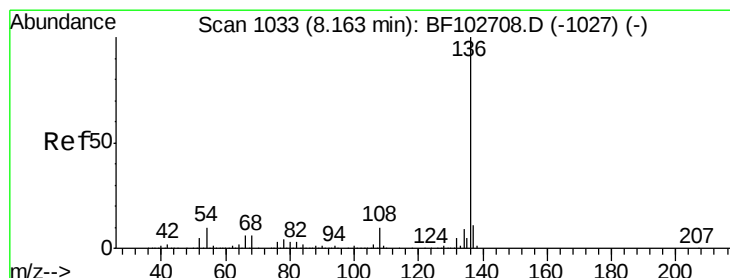
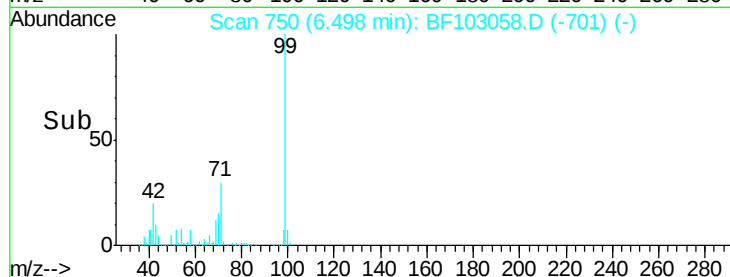
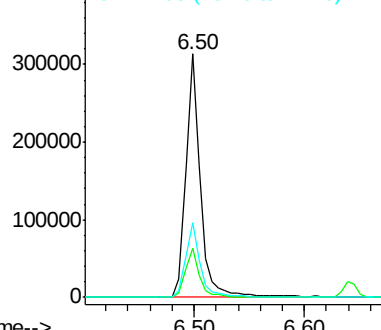


Abundance

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

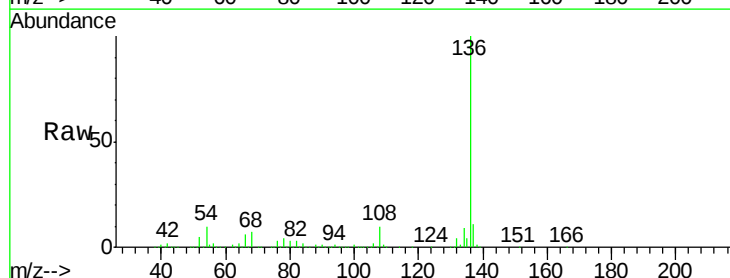
Delta R.T. -0.01 min

Lab File: BF103058.D

Acq: 16 Feb 2018 17:53

Tgt Ion: 136 Resp: 659490

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.5	6.6	9.8
68	6.9	5.0	7.4



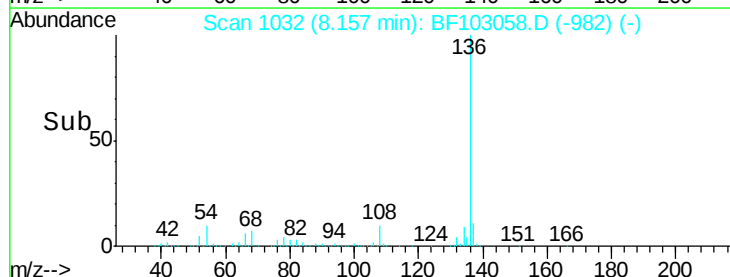
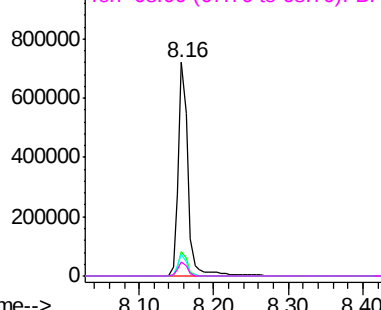
Abundance

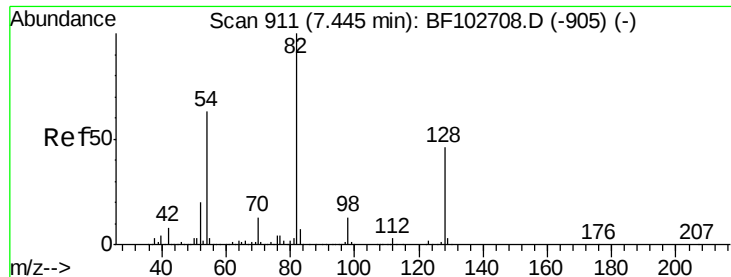
Ion 136.00 (135.70 to 136.70): BF1

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

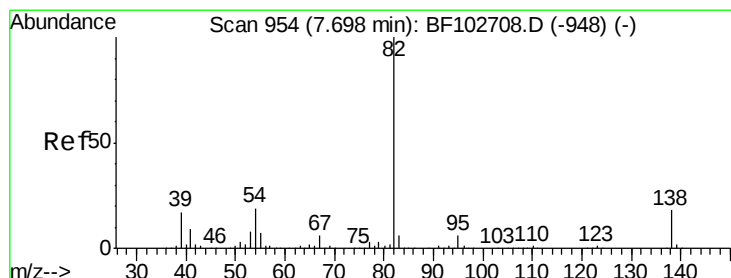
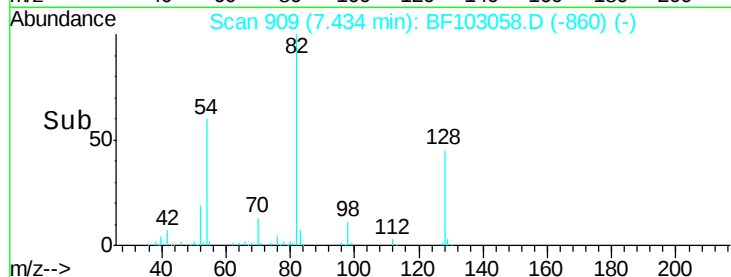
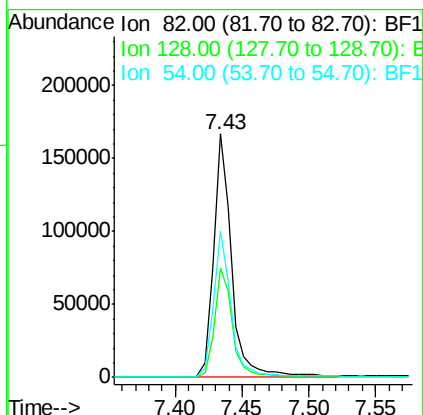
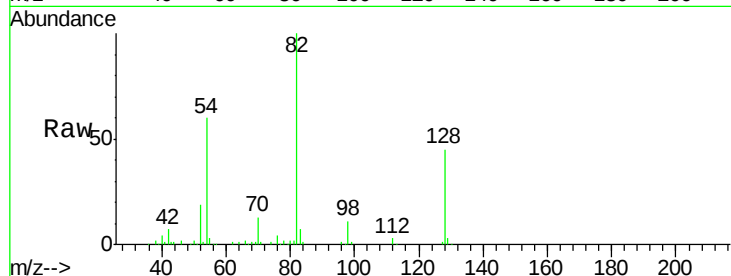




#23
Nitrobenzene-d5
Concen: 16.83 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103058.D
Acq: 16 Feb 2018 17:53

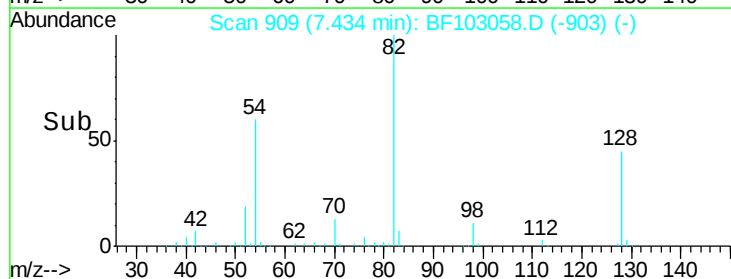
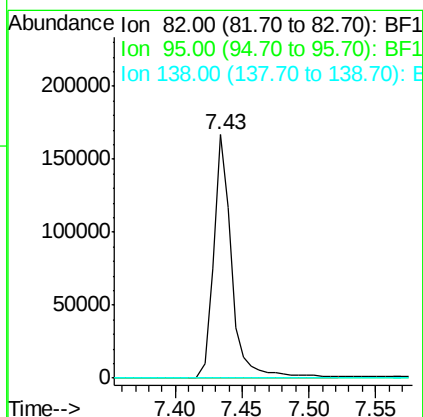
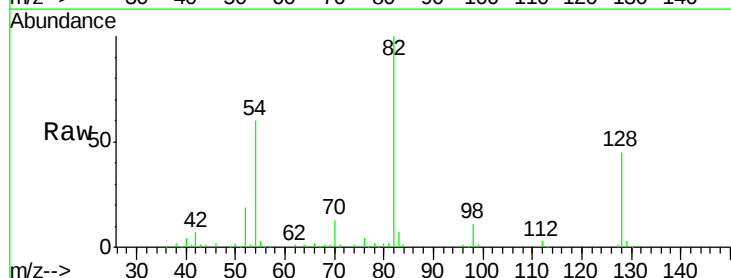
Instrument :
BNA_F
ClientSampleId :

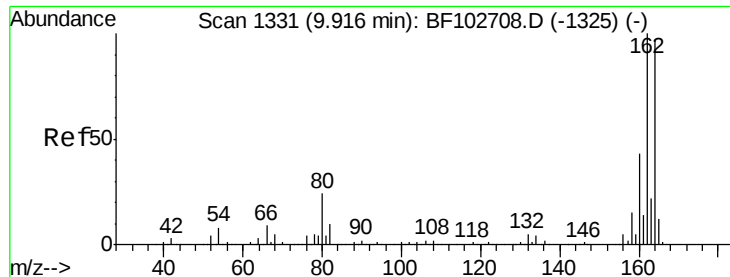
Tot Ion: 82 Resp: 160040
Ion Ratio Lower Upper
82 100
128 44.9 36.1 54.1
54 60.1 41.4 62.2



#25
Isophorone
Concen: 7.31 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF103058.D
Acq: 16 Feb 2018 17:53

Tgt Ion: 82 Resp: 160040
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

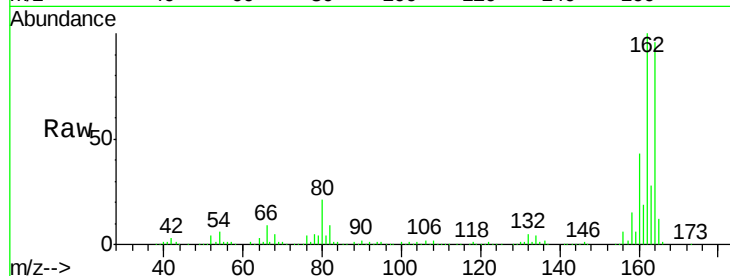




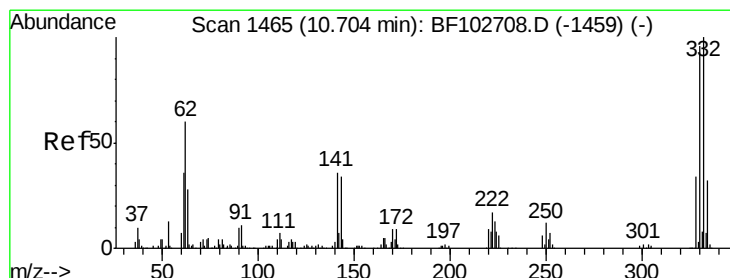
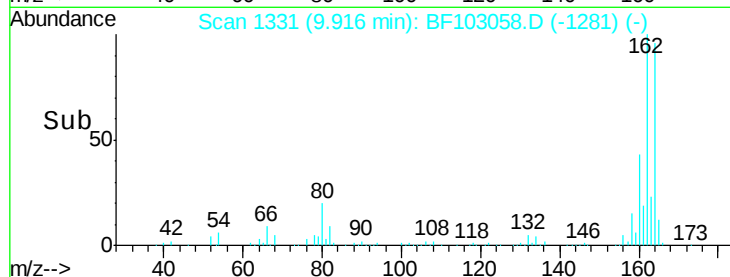
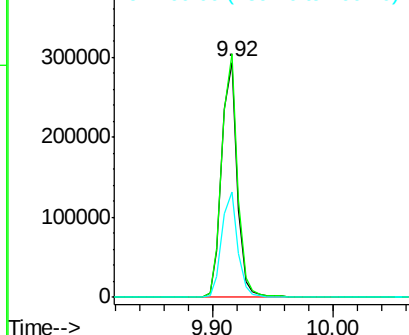
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103058.D
Acq: 16 Feb 2018 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 262789
Ion Ratio Lower Upper
164 100
162 103.8 86.1 129.1
160 44.9 38.3 57.5

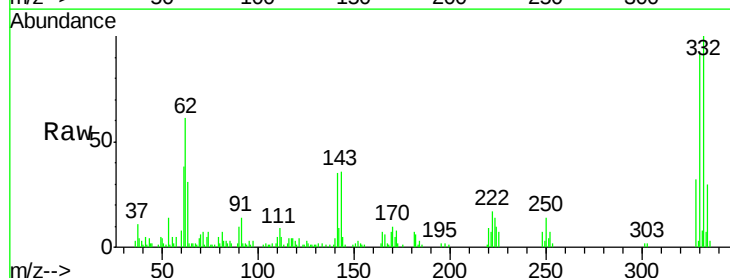


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

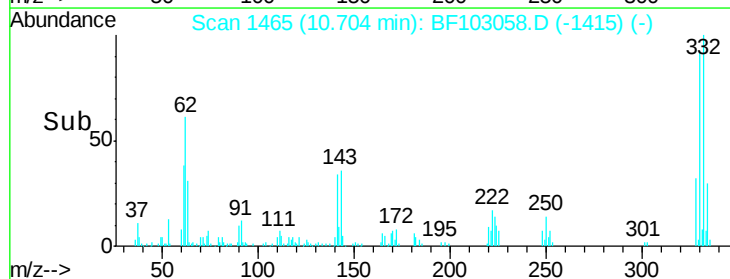
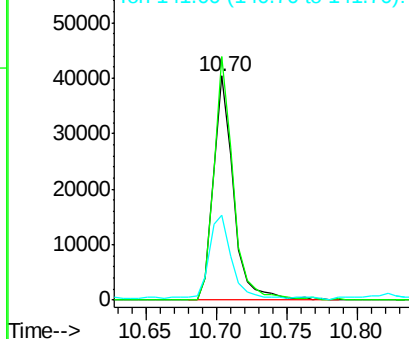


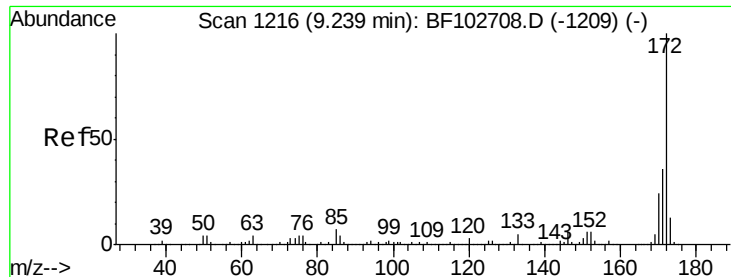
#41
2,4,6-Tribromophenol
Concen: 18.96 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF103058.D
Acq: 16 Feb 2018 17:53

Tgt Ion:330 Resp: 40111
Ion Ratio Lower Upper
330 100
332 104.8 77.0 115.6
141 39.5 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

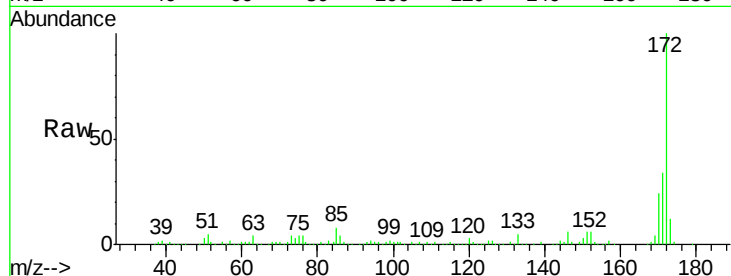




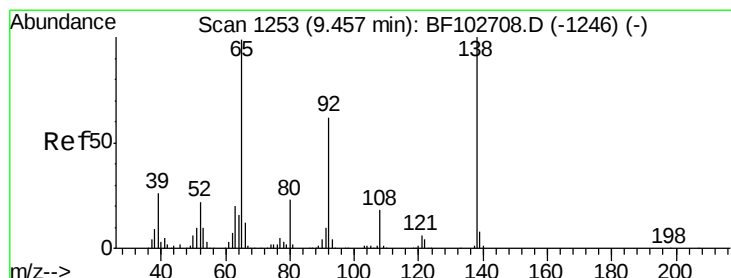
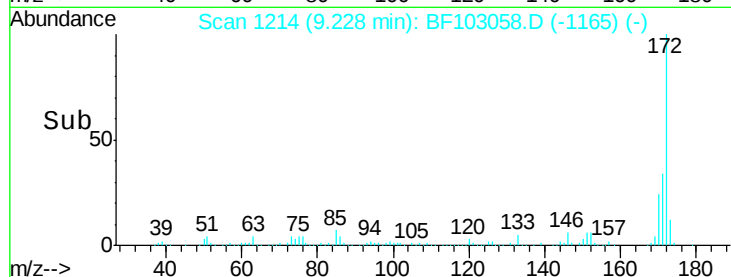
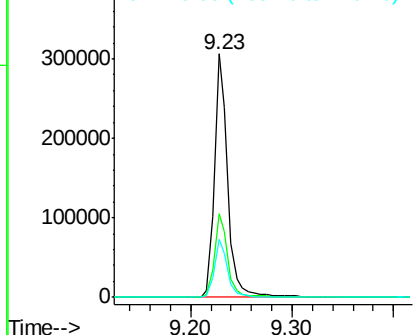
#44
2-Fluorobiphenyl
Concen: 17.75 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103058.D
Acq: 16 Feb 2018 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.7	44.5
170	23.7	19.6	29.4

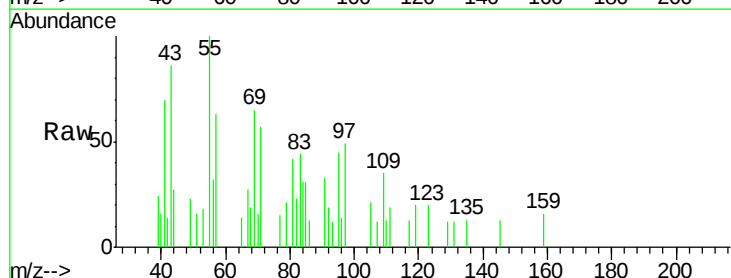


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

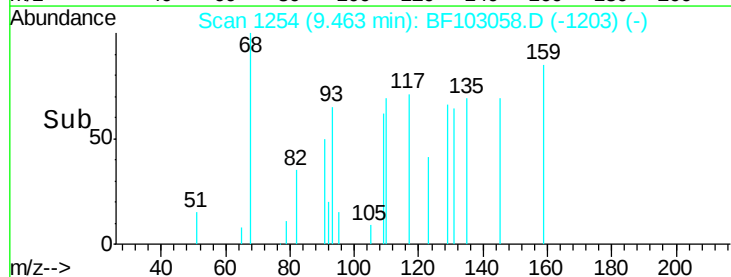
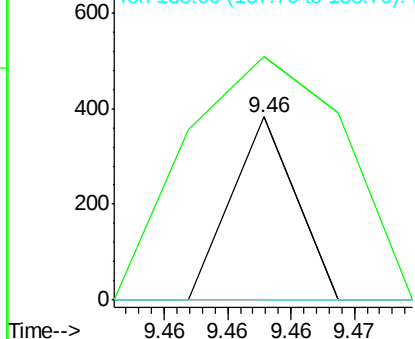


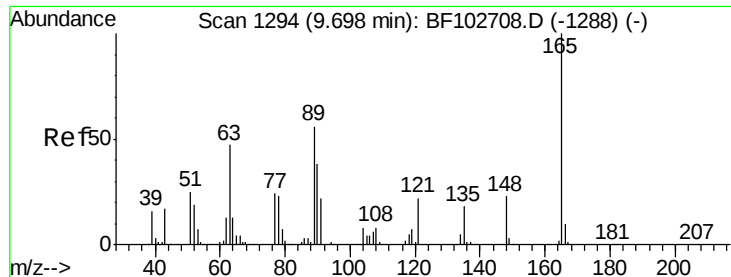
#47
2-Nitroaniline
Concen: 3.50 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BF103058.D
Acq: 16 Feb 2018 17:53

Tgt Ion	Ratio	Lower	Upper
65	100		
92	133.0	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

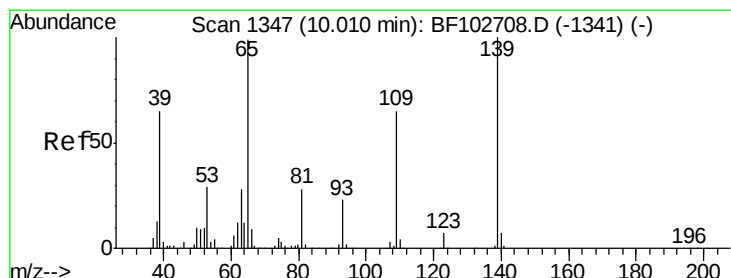
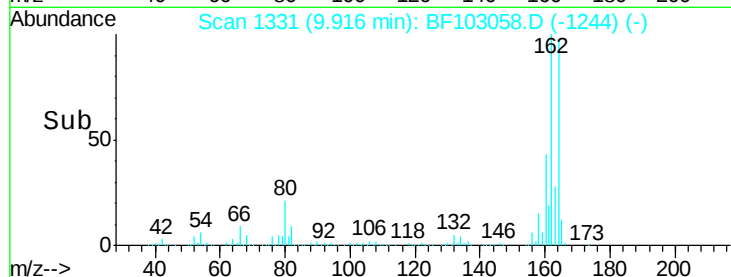
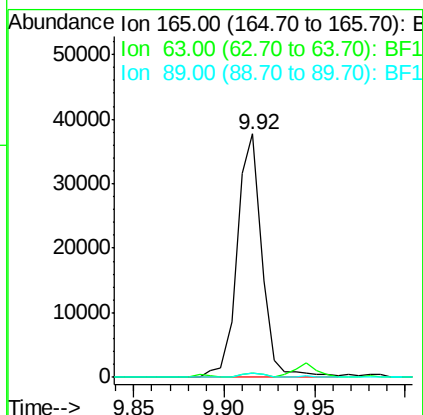
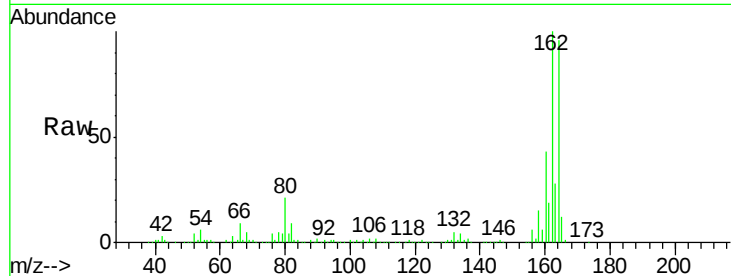




#50
 2,6-Dinitrotoluene
 Concen: 9.21 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103058.D
 Acq: 16 Feb 2018 17:53

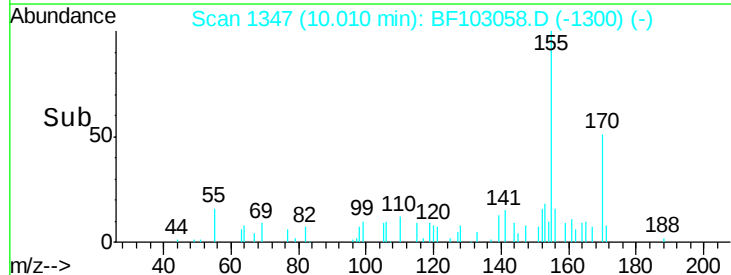
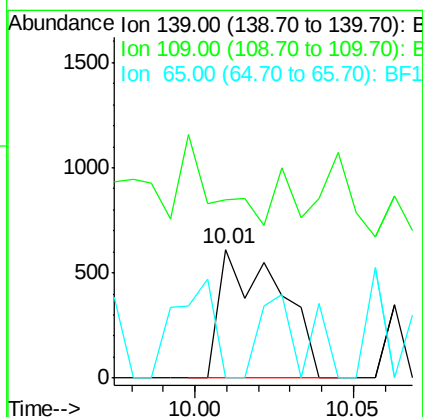
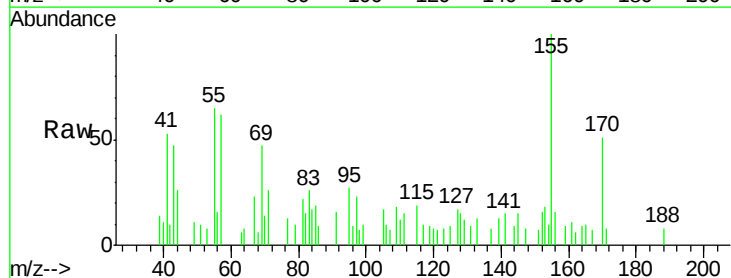
Instrument :
 BNA_F
 ClientSampleId :

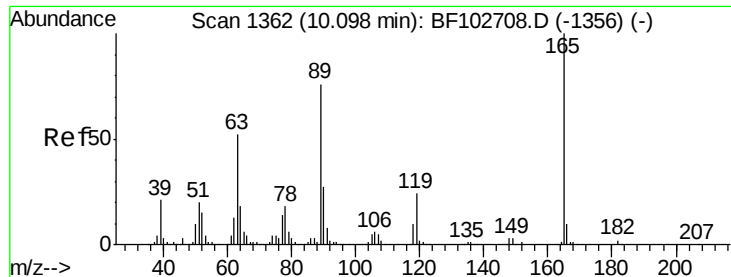
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.7	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 4.22 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: BF103058.D
 Acq: 16 Feb 2018 17:53

Tgt Ion	Ratio	Lower	Upper
139	100		
109	139.1	48.4	88.4#
65	0.0	72.6	112.6#

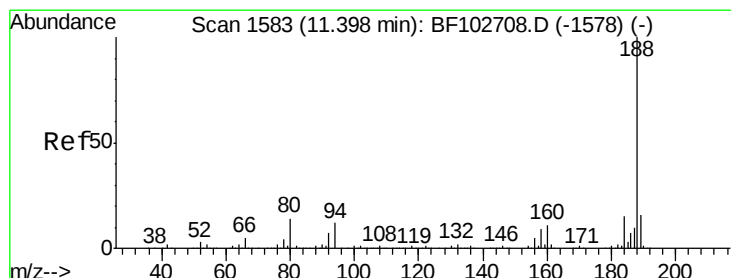
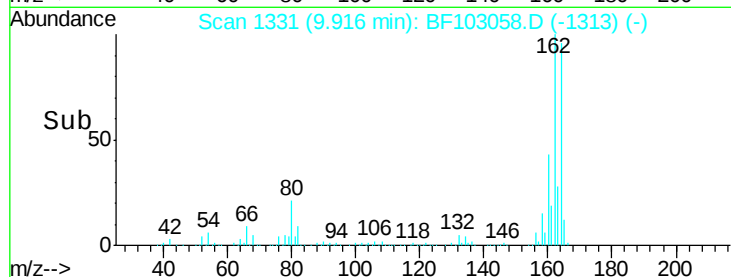
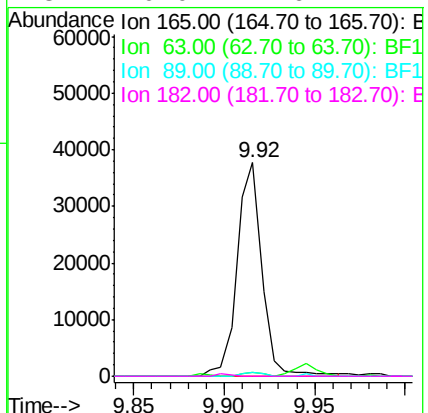
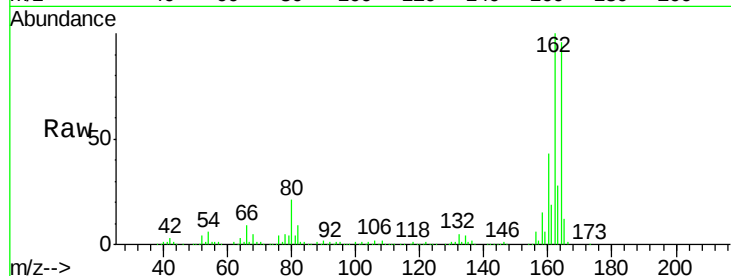




#56
 2,4-Dinitrotoluene
 Concen: 9.50 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103058.D
 Acq: 16 Feb 2018 17:53

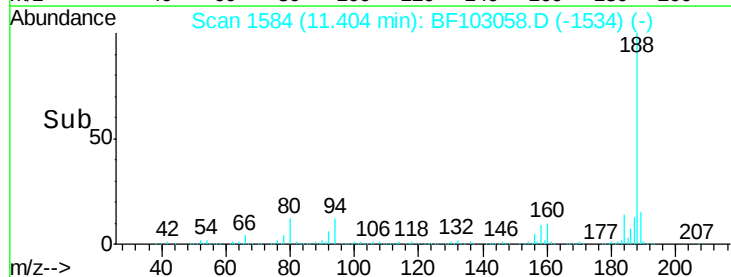
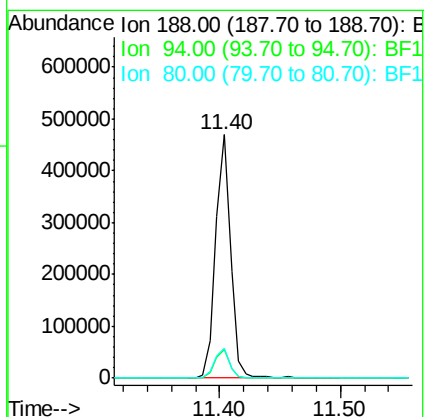
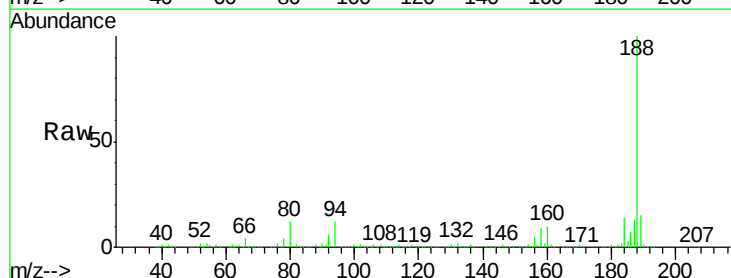
Instrument :
 BNA_F
 ClientSampleId :

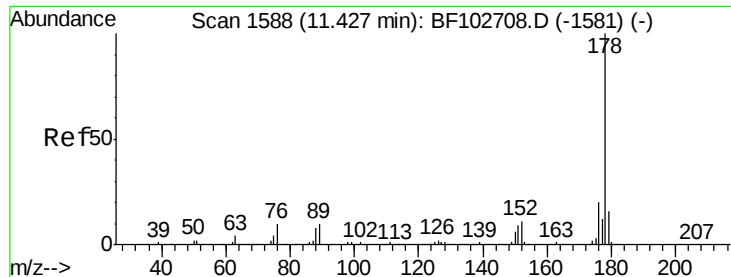
Tot Ion:	165	Resp:	35915
Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103058.D
 Acq: 16 Feb 2018 17:53

Tgt Ion:	188	Resp:	398757
Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.1	9.2	13.8





#70

Phenanthrene

Concen: 4.27 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103058.D

Acq: 16 Feb 2018 17:53

Instrument :

BNA_F

ClientSampled :

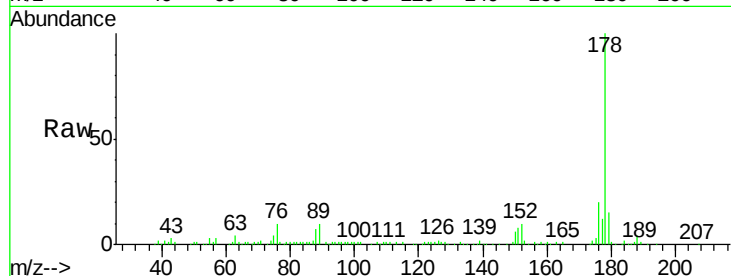
Tot Ion:178 Resp: 94722

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

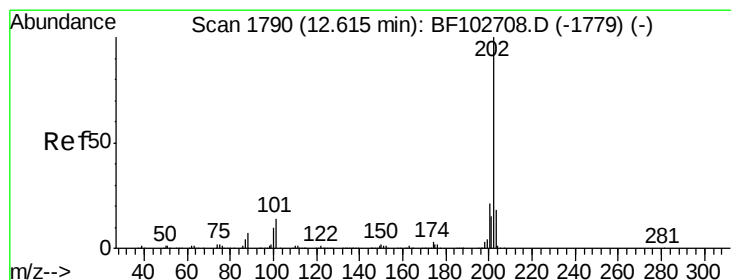
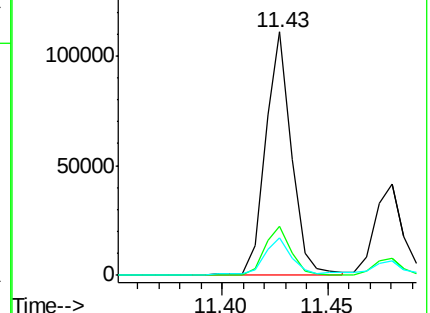
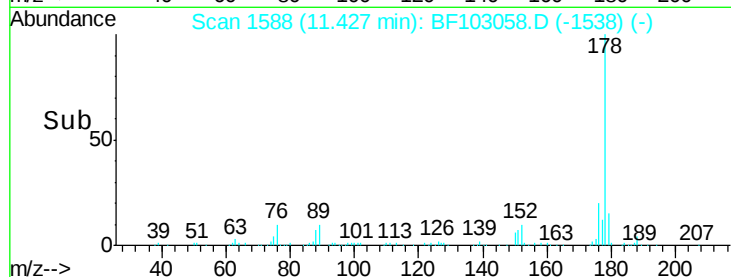
179 15.4 13.0 19.6



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: 6.65 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF103058.D

Acq: 16 Feb 2018 17:53

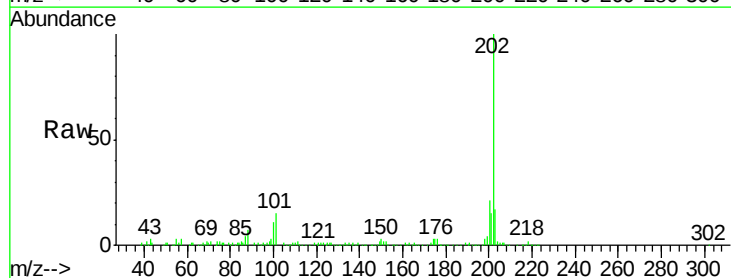
Tgt Ion:202 Resp: 148519

Ion Ratio Lower Upper

202 100

101 15.1 0.0 34.1

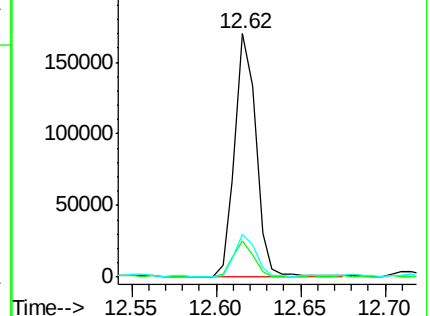
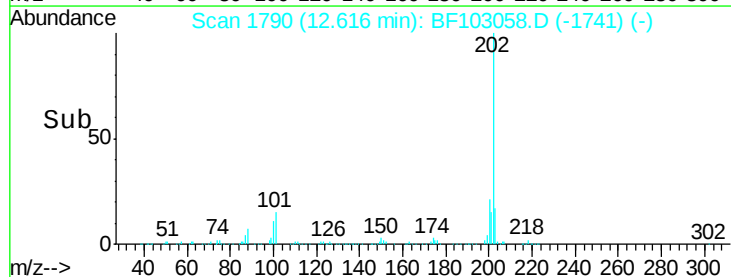
203 17.4 0.0 38.1

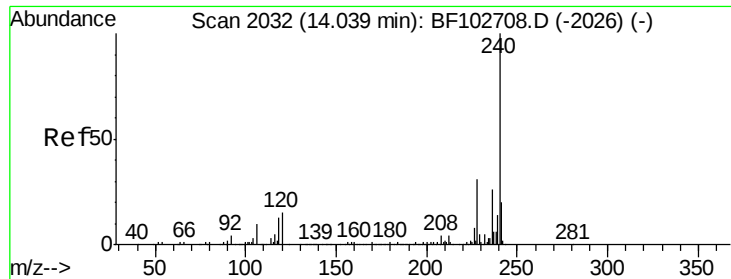


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF103058.D

Acq: 16 Feb 2018 17:53

Instrument :

BNA_F

ClientSampleId :

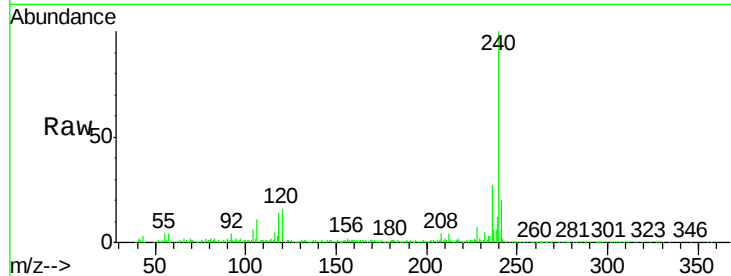
Tot Ion:240 Resp: 297433

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

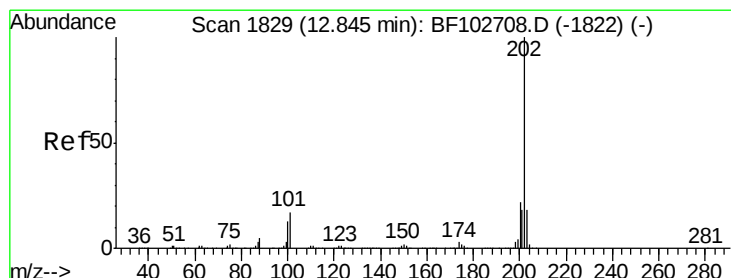
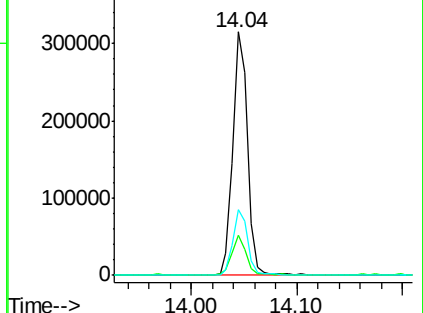
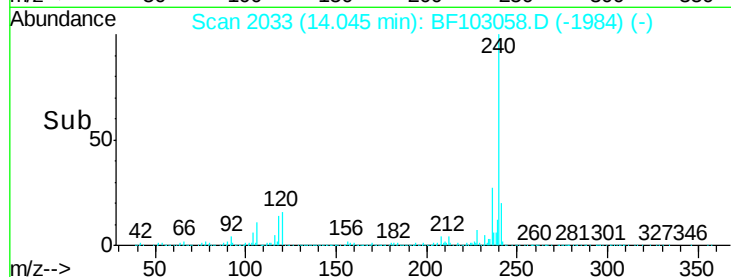
236 26.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.74 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103058.D

Acq: 16 Feb 2018 17:53

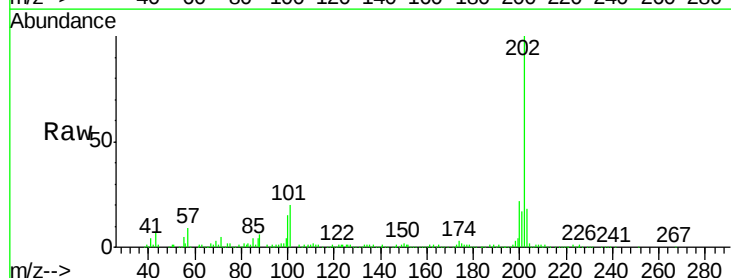
Tgt Ion:202 Resp: 157168

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

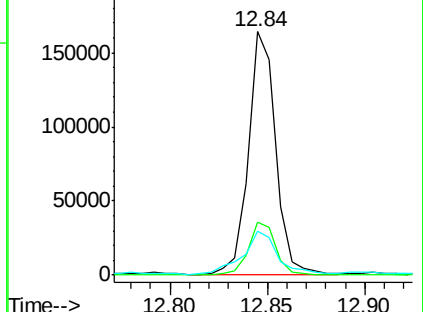
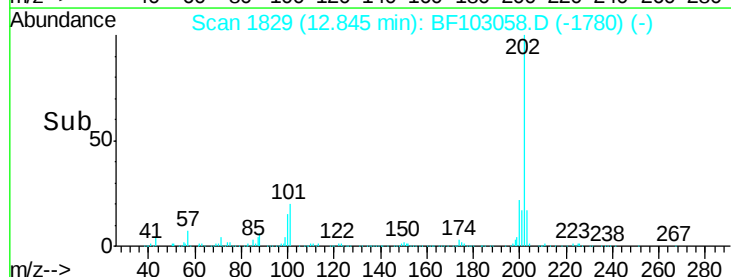
203 18.3 14.3 21.5

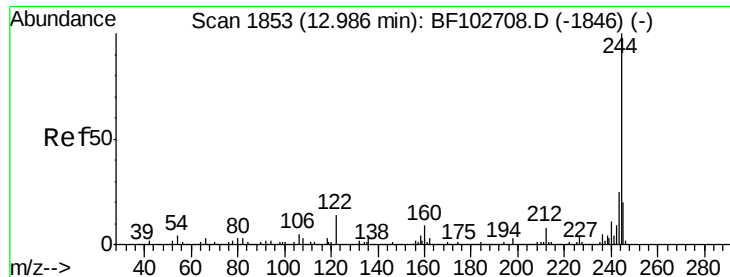


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.21 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103058.D

Acq: 16 Feb 2018 17:53

Instrument :

BNA_F

ClientSampleId :

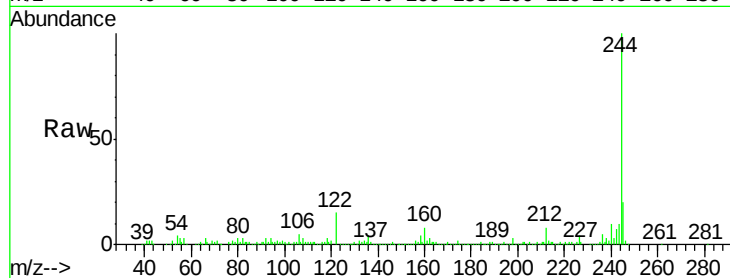
Tot Ion:244 Resp: 203645

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

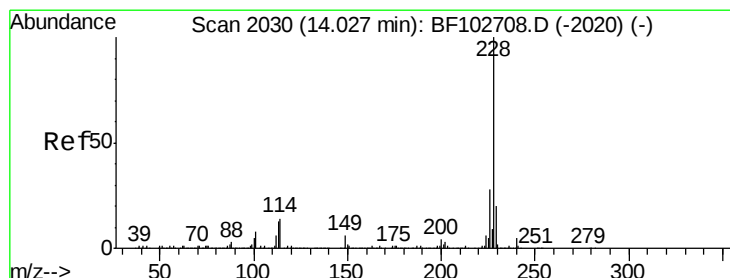
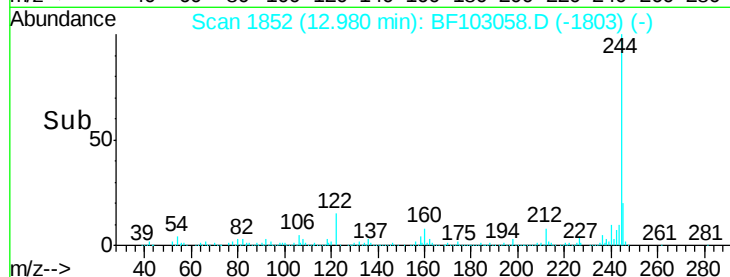
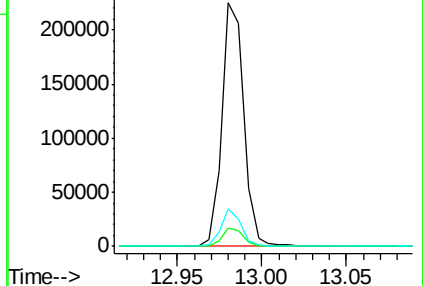
122 15.5 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.22 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF103058.D

Acq: 16 Feb 2018 17:53

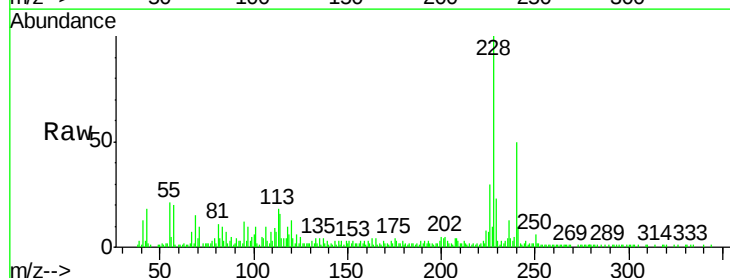
Tgt Ion:228 Resp: 60140

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

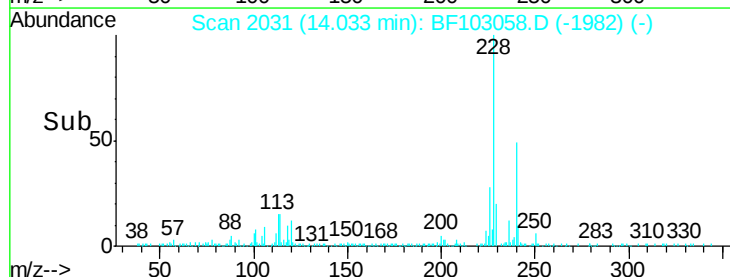
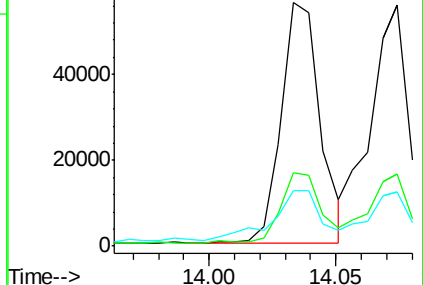
229 23.0 15.8 23.6

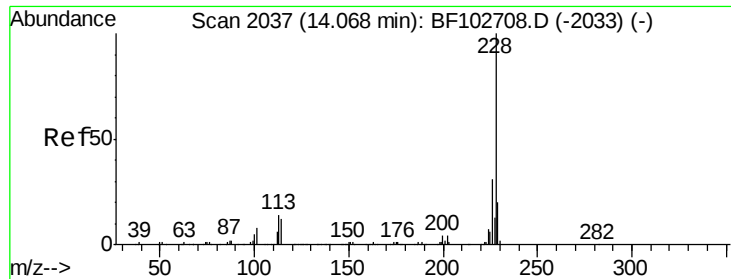


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

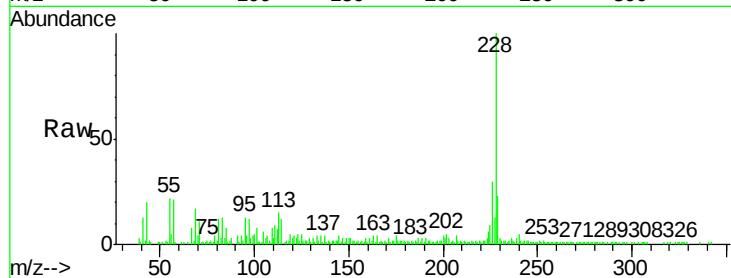




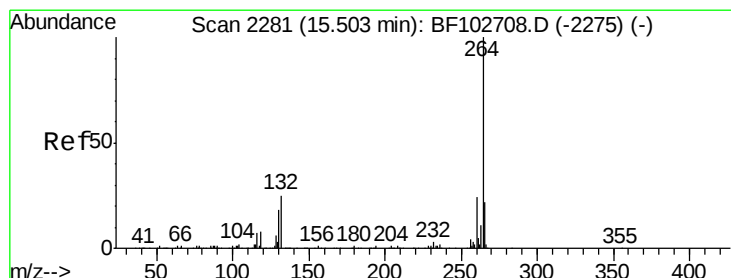
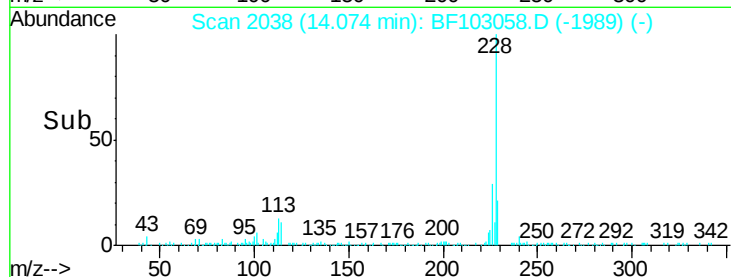
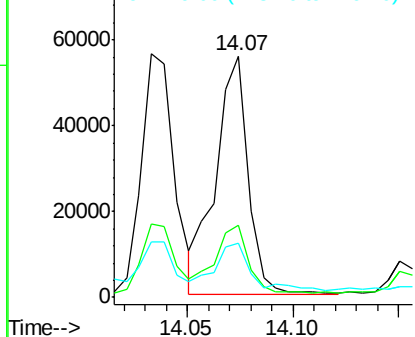
#82
Chrysene
Concen: 3.17 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103058.D
Acq: 16 Feb 2018 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.7	16.2	24.4

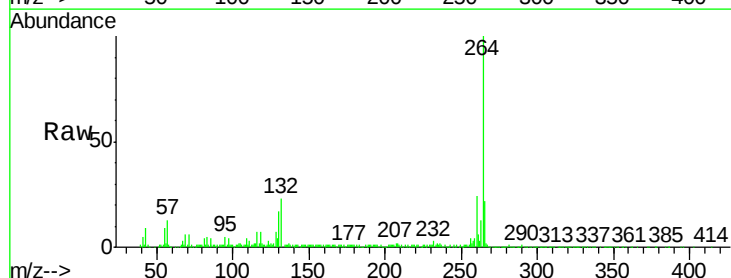


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

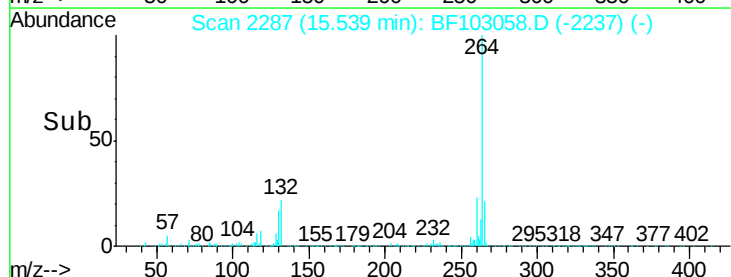
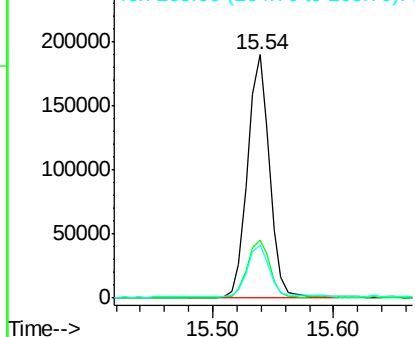


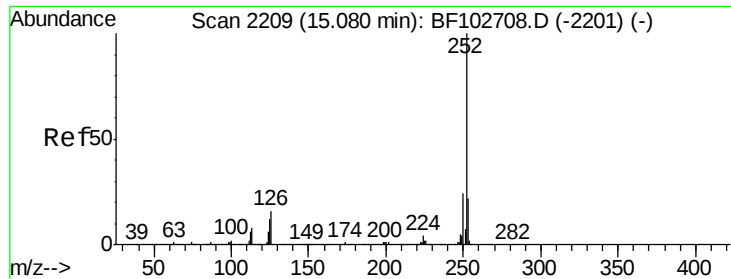
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103058.D
Acq: 16 Feb 2018 17:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.02 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BF103058.D

Acq: 16 Feb 2018 17:53

Instrument :

BNA_F

ClientSampleId :

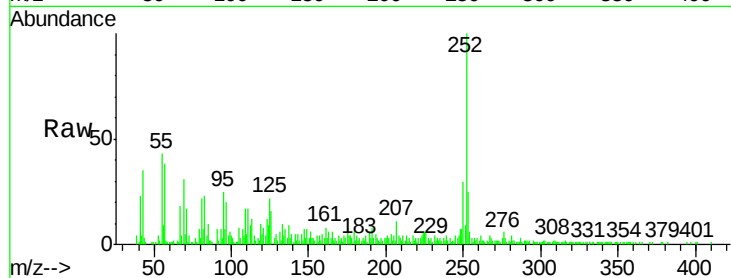
Tot Ion:252 Resp: 78328

Ion Ratio Lower Upper

252 100

253 24.8 17.0 25.6

125 22.1 9.0 13.6#

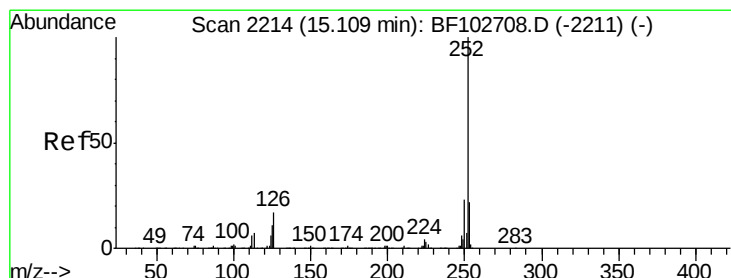
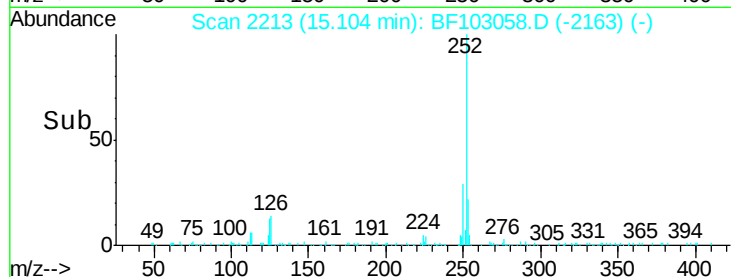


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#88

Benzo(k)fluoranthene

Concen: 5.25 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.04 min

Lab File: BF103058.D

Acq: 16 Feb 2018 17:53

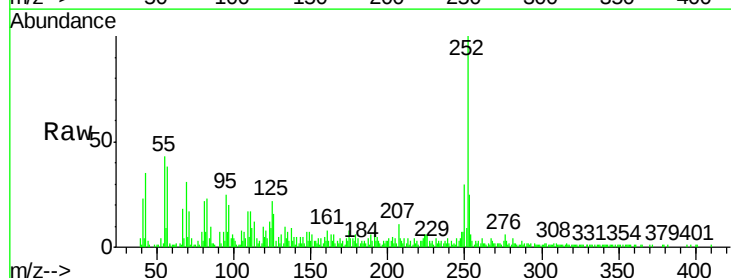
Tgt Ion:252 Resp: 78328

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

125 22.1 10.2 15.2#

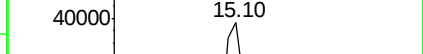
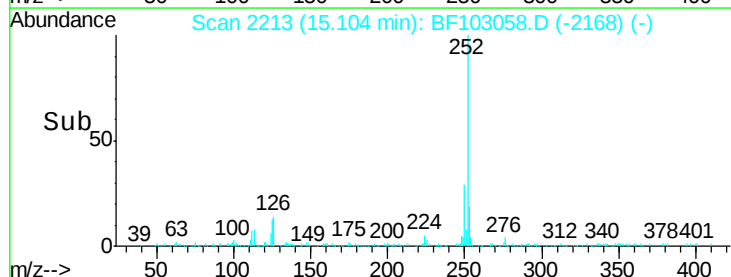


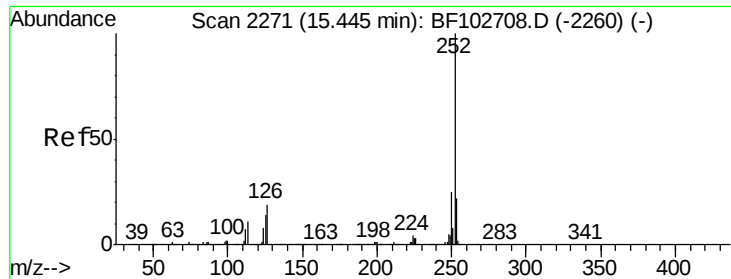
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->

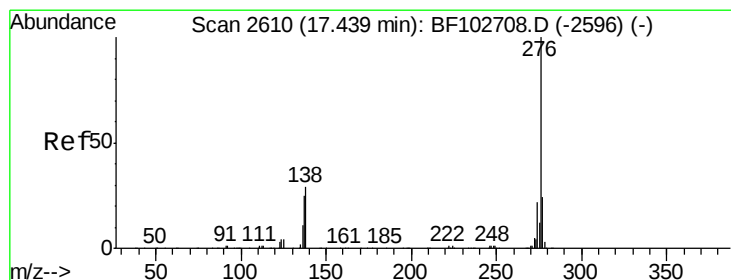
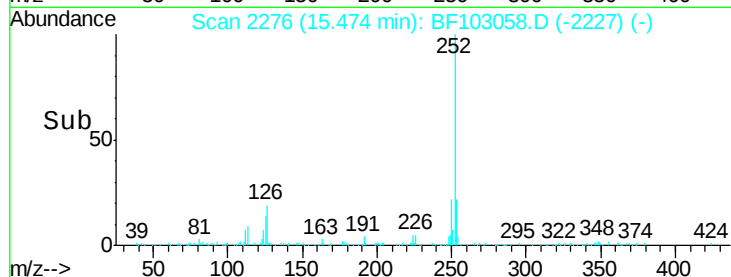
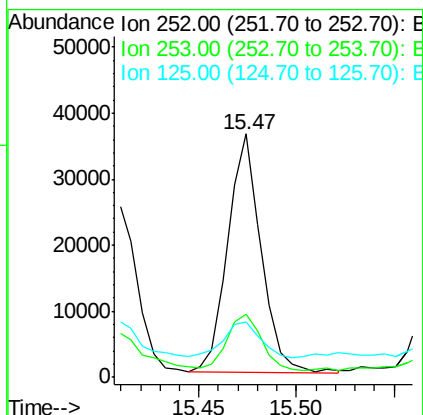
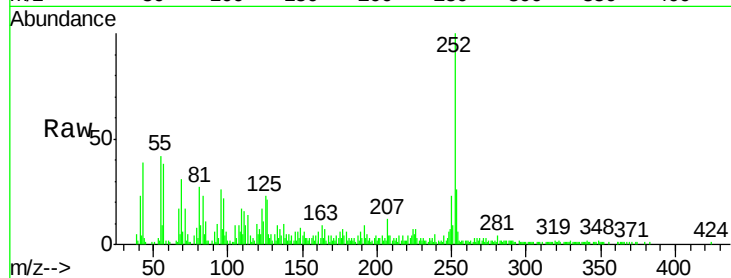




#89
Benzo(a)pyrene
Concen: 3.04 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BF103058.D
Acq: 16 Feb 2018 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.1	25.7#
125	22.7	9.8	14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.20 ng
RT: 17.50 min Scan# 2621
Delta R.T. -0.02 min
Lab File: BF103058.D
Acq: 16 Feb 2018 17:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.4	17.9	26.9#
138	29.4	21.8	32.8

