

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012318\
 Data File : BF102353.D
 Acq On : 23 Jan 2018 20:24
 Operator : SJ/JU
 Sample : J1015-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 23:44:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	134190	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	567757	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	256725	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	441073	20.00	ng	0.00
75) Chrysene-d12	13.87	240	280206	20.00	ng	0.00
86) Perylene-d12	15.30	264	257535	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	868284	98.11	ng	0.00
7) Phenol-d6	6.36	99	1050136	98.42	ng	0.00
23) Nitrobenzene-d5	7.28	82	652185	66.01	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	216959	85.29	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	987410	56.55	ng	0.00
78) Terphenyl-d14	12.82	244	786603	63.29	ng	0.00

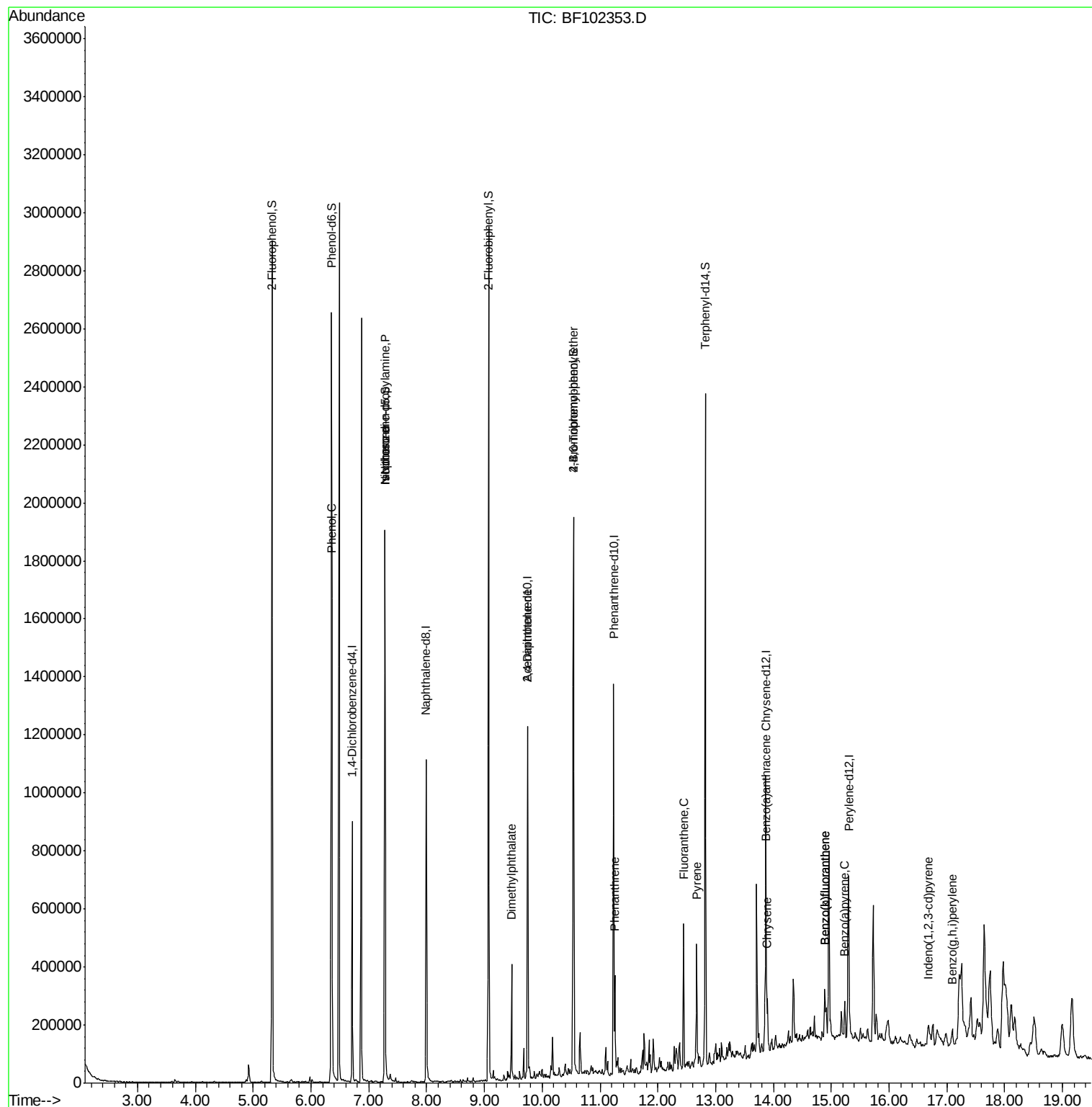
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	53307	4.576	ng	97
19) n-Nitroso-di-n-propylamine	7.28	70	87617	13.419	ng	# 78
25) Isophorone	7.28	82	646946	36.731	ng	# 64
49) Dimethylphthalate	9.47	163	152514	7.187	ng	100
56) 2,4-Dinitrotoluene	9.75	165	33587	5.970	ng	# 24
66) 4-Bromophenyl-phenylether	10.54	248	14583	3.071	ng	# 1
70) Phenanthrene	11.26	178	110468	4.298	ng	98
74) Fluoranthene	12.45	202	192040	7.327	ng	97
77) Pyrene	12.67	202	183336	8.462	ng	98
80) Benzo(a)anthracene	13.86	228	68700	3.982	ng	98
82) Chrysene	13.89	228	75291	4.298	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	35824	2.476	ng	# 94
87) Benzo(b)fluoranthene	14.89	252	110970	6.648	ng	97
88) Benzo(k)fluoranthene	14.89	252	110970	7.037	ng	100
89) Benzo(a)pyrene	15.23	252	56912	3.780	ng	# 92
91) Benzo(g,h,i)perylene	17.10	276	36044	2.993	ng	99

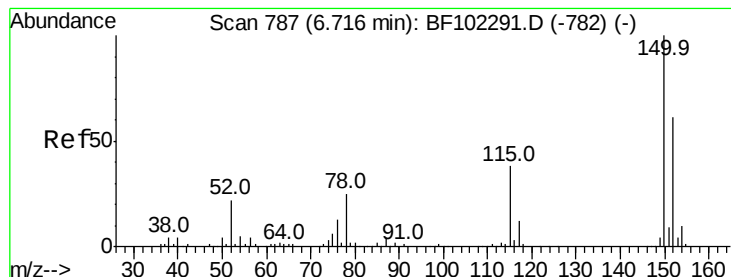
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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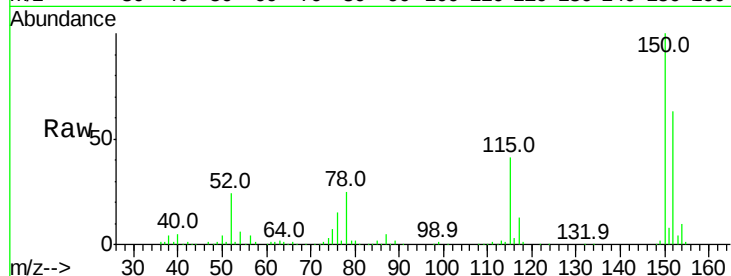


#1

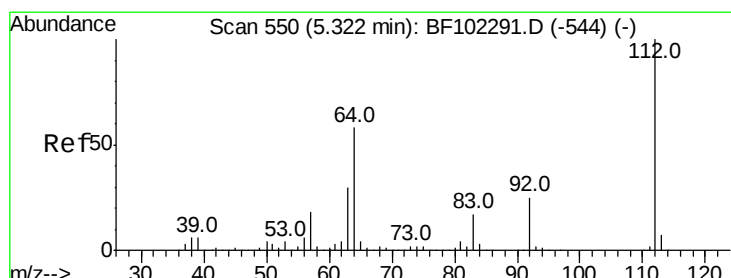
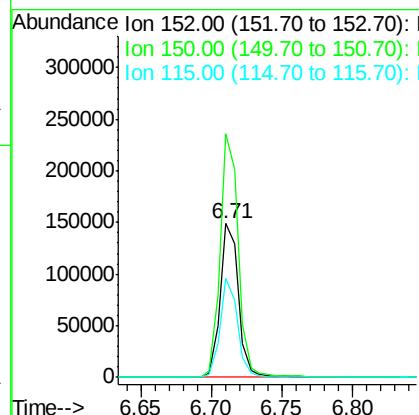
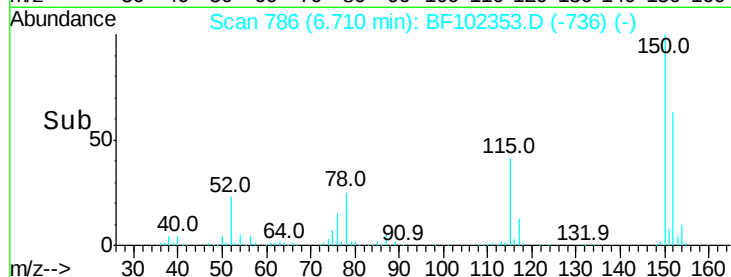
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102353.D
 Acq: 23 Jan 2018 20:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 134190
 Ion Ratio Lower Upper
 152 100
 150 158.2 124.6 186.8
 115 64.5 50.1 75.1



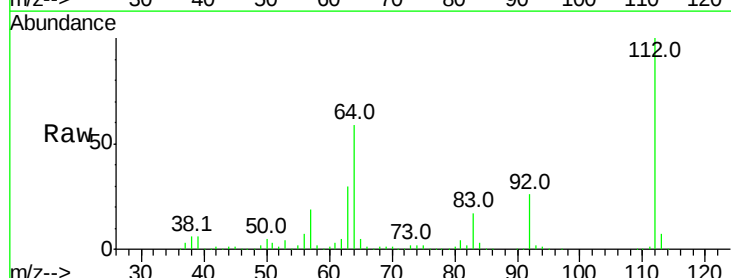
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



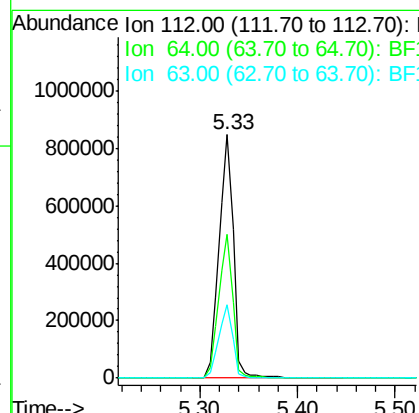
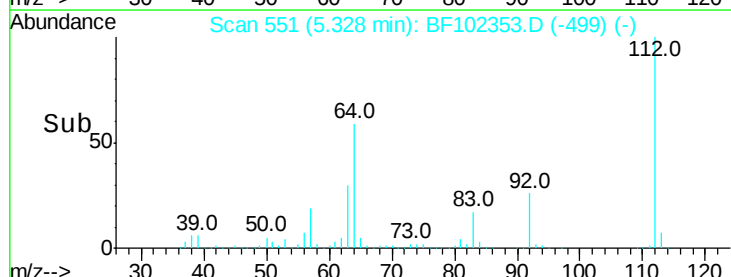
#5

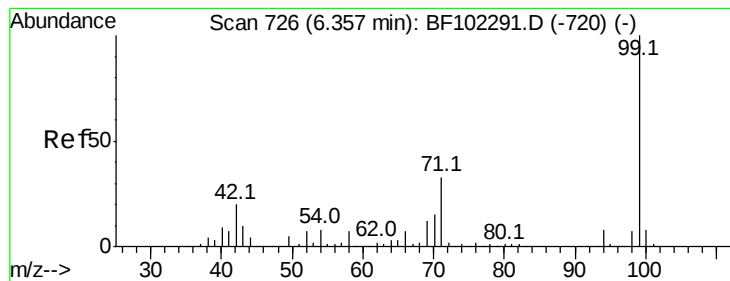
2-Fluorophenol
 Concen: 98.110 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102353.D
 Acq: 23 Jan 2018 20:24

Tgt Ion:112 Resp: 868284
 Ion Ratio Lower Upper
 112 100
 64 59.2 47.9 71.9
 63 30.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.424 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102353.D

Acq: 23 Jan 2018 20:24

Instrument :

BNA_F

ClientSampled :

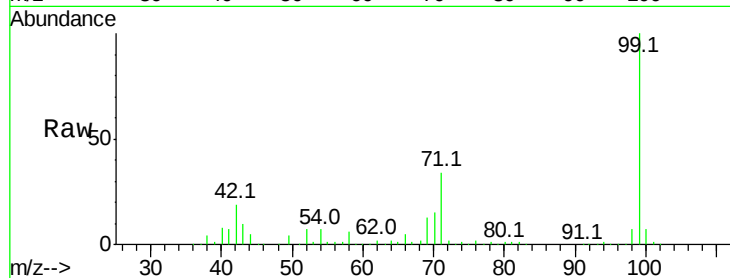
Tot Ion: 99 Resp: 1050136

Ion Ratio Lower Upper

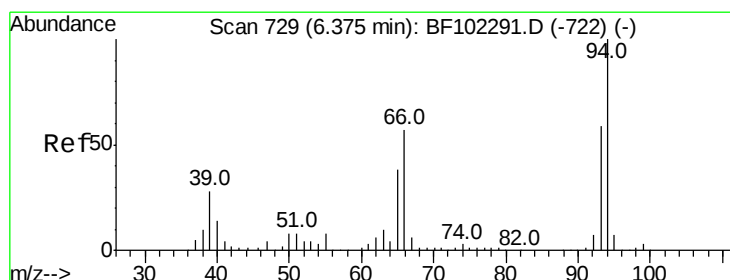
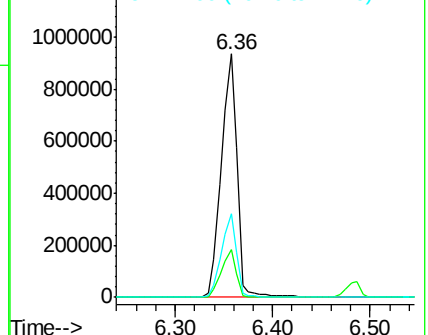
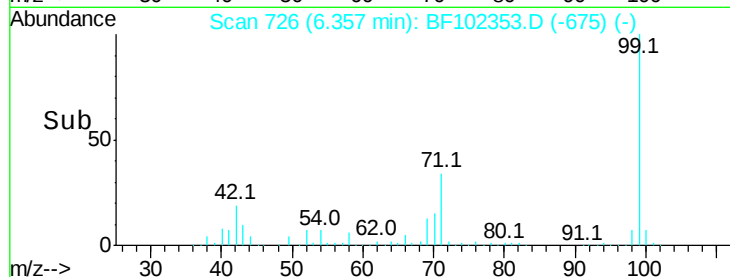
99 100

42 19.5 14.5 21.7

71 34.5 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



#10

Phenol

Concen: 4.576 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102353.D

Acq: 23 Jan 2018 20:24

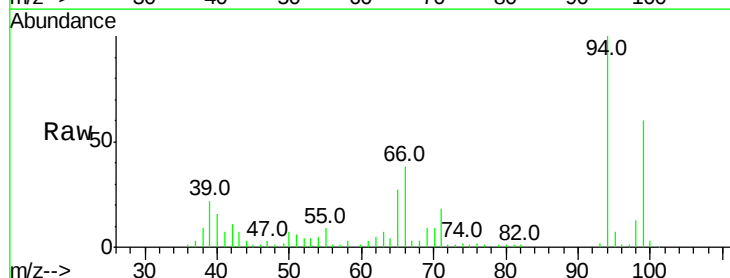
Tgt Ion: 94 Resp: 53307

Ion Ratio Lower Upper

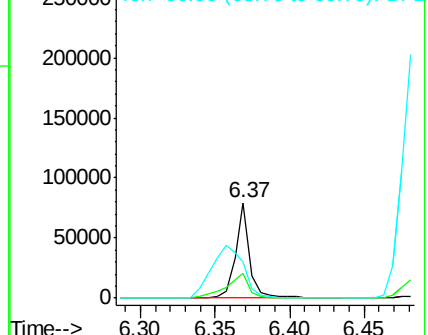
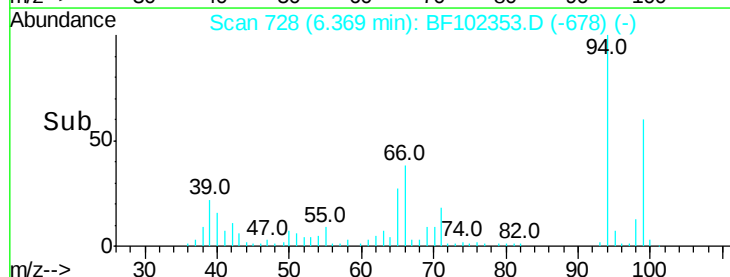
94 100

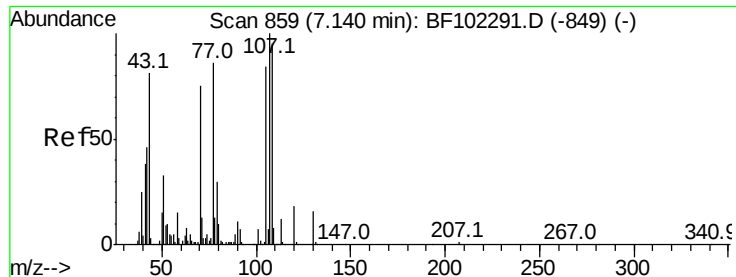
65 26.6 7.9 47.9

66 37.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

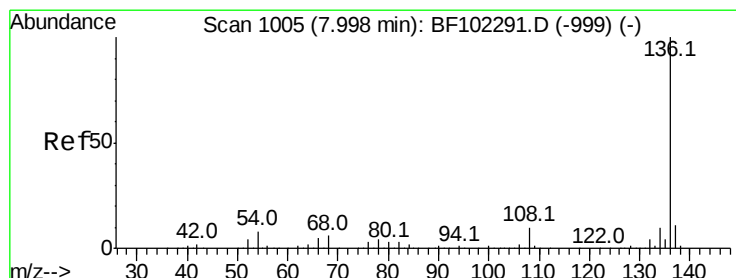
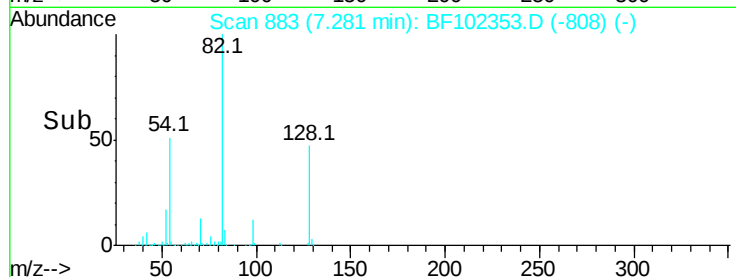
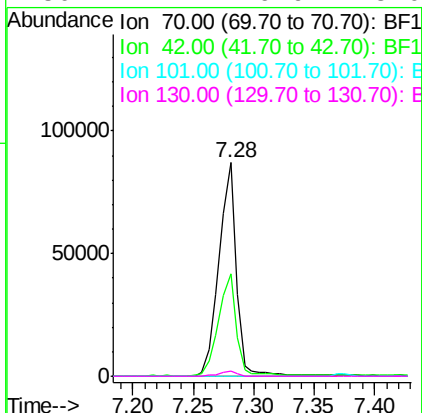
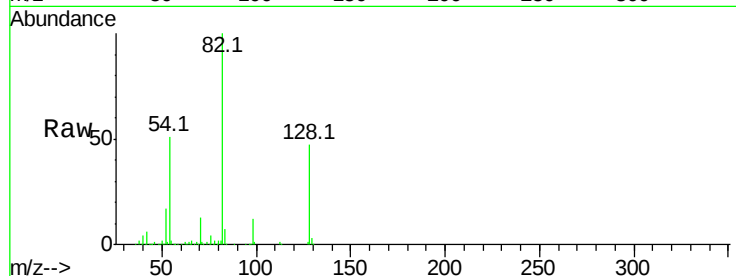




#19
n-Nitroso-di-n-propylamine
Concen: 13.419 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.14 min
Lab File: BF102353.D
Acq: 23 Jan 2018 20:24

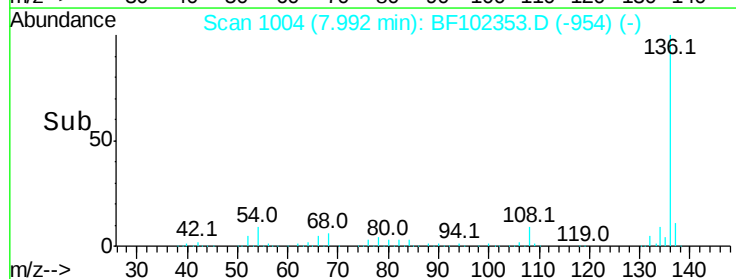
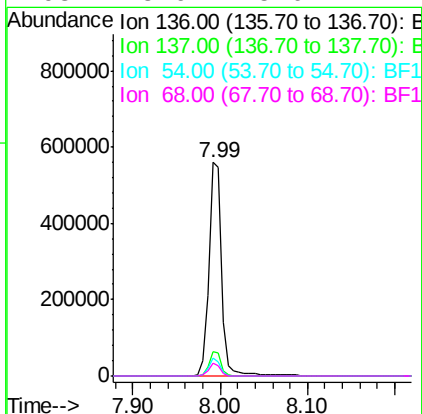
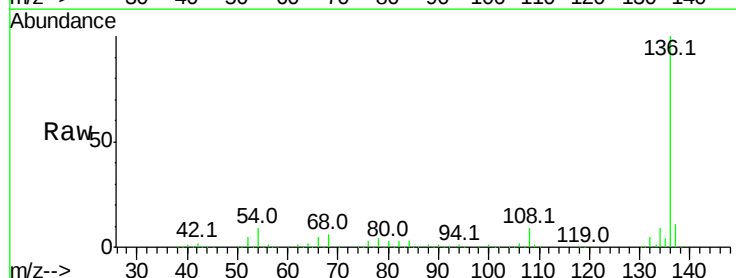
Instrument :
BNA_F
ClientSampleId :

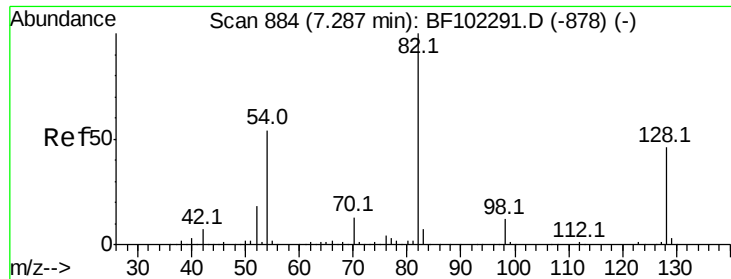
Tot Ion: 70 Resp: 87617
Ion Ratio Lower Upper
70 100
42 48.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102353.D
Acq: 23 Jan 2018 20:24

Tgt Ion:136 Resp: 567757
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 8.6 6.6 9.8
68 5.9 5.0 7.4

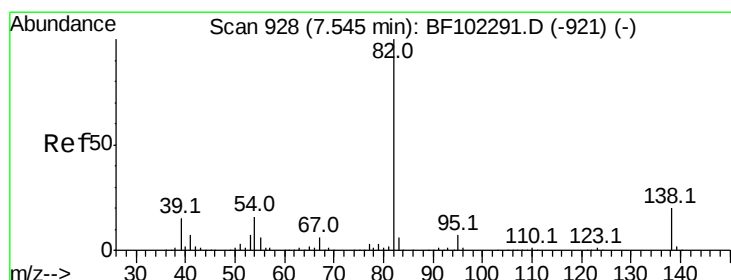
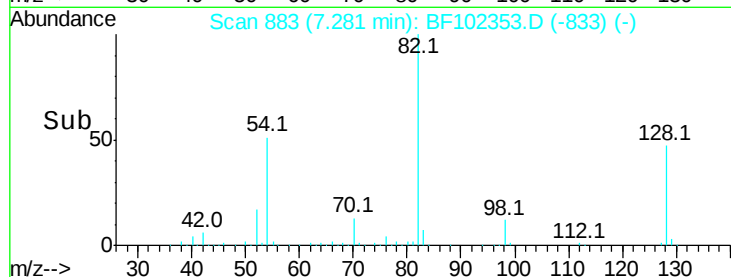
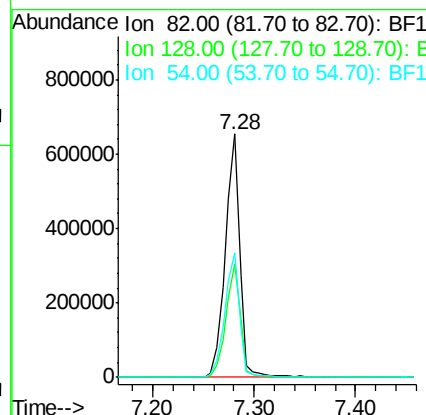
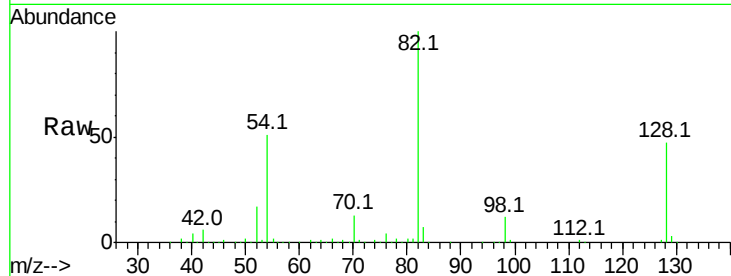




#23
Nitrobenzene-d5
Concen: 66.012 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102353.D
Acq: 23 Jan 2018 20:24

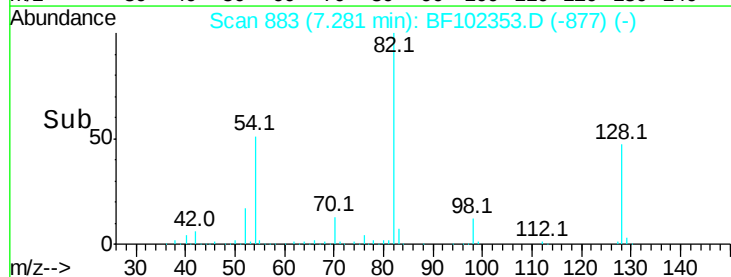
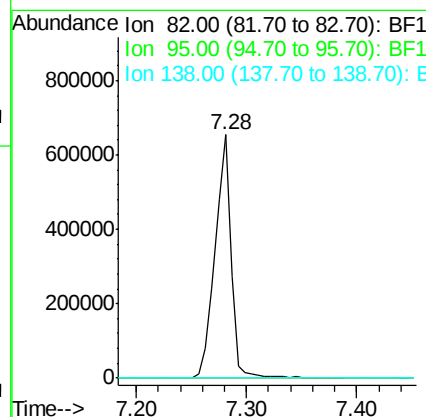
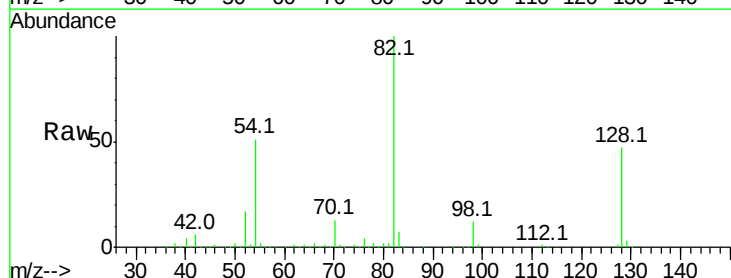
Instrument :
BNA_F
ClientSampled :

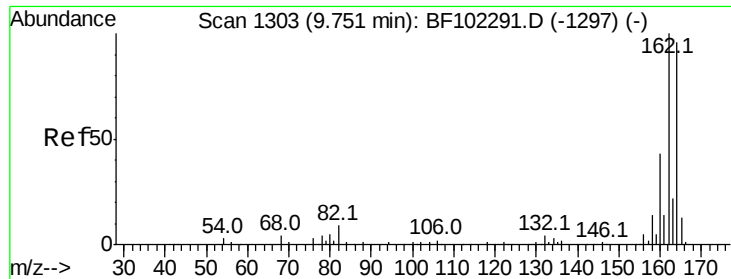
Tot Ion	82	Resp	652185
Ion Ratio	Lower	Upper	
82	100		
128	46.6	36.1	54.1
54	51.3	41.4	62.2



#25
Isophorone
Concen: 36.731 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF102353.D
Acq: 23 Jan 2018 20:24

Tgt Ion	82	Resp	646946
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

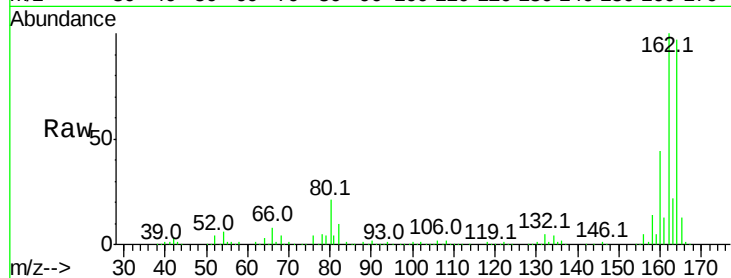




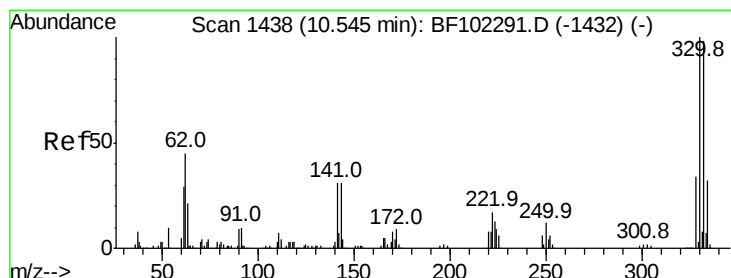
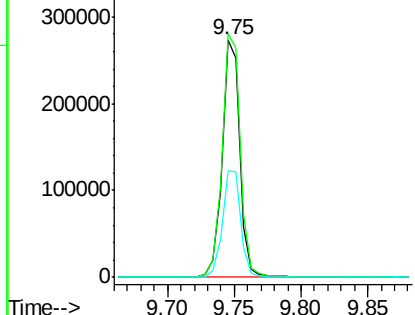
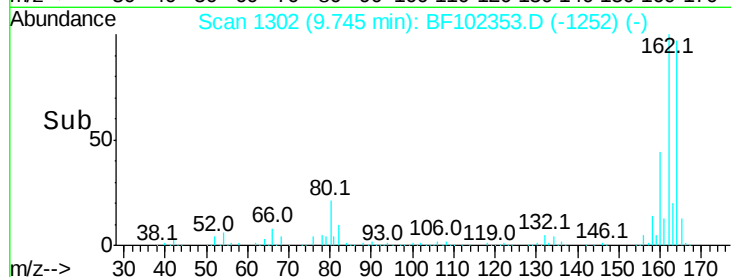
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102353.D
 Acq: 23 Jan 2018 20:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 256725
 Ion Ratio Lower Upper
 164 100
 162 102.6 86.1 129.1
 160 44.7 38.3 57.5

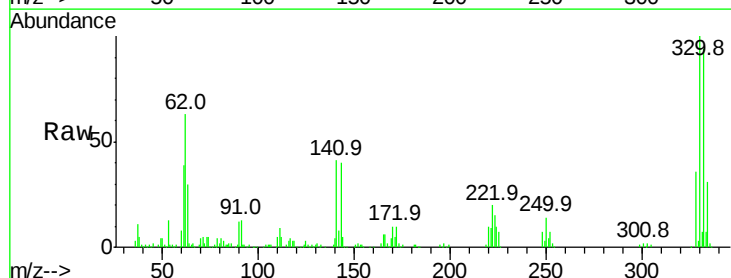


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

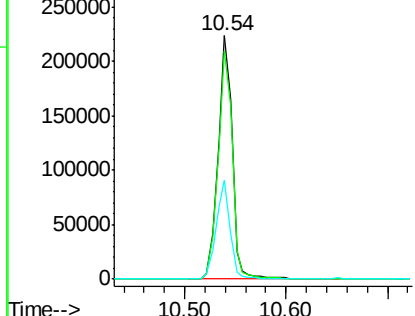
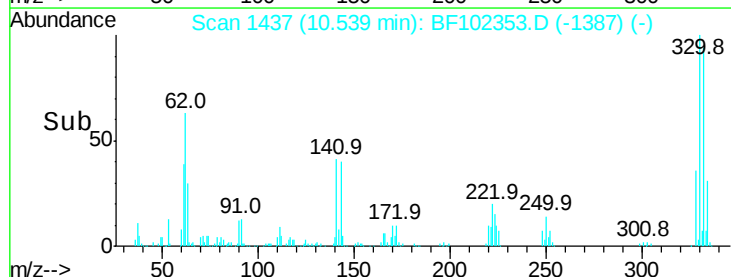


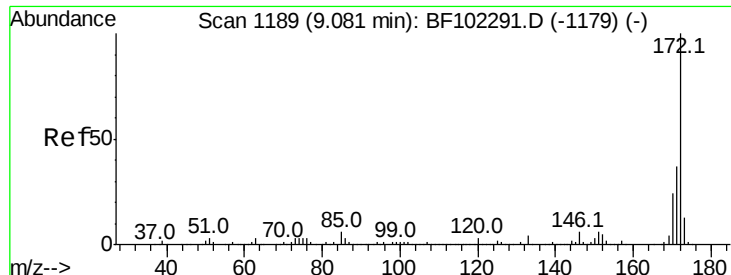
#41
 2,4,6-Tribromophenol
 Concen: 85.290 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102353.D
 Acq: 23 Jan 2018 20:24

Tgt Ion:330 Resp: 216959
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 40.2 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

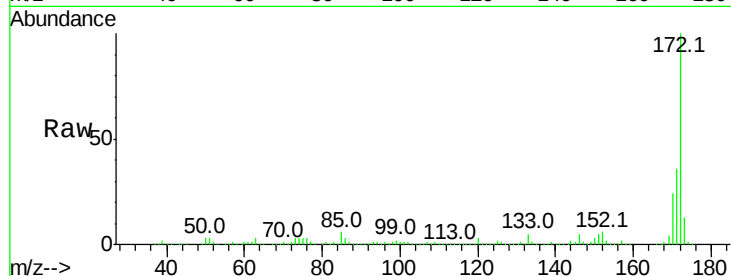




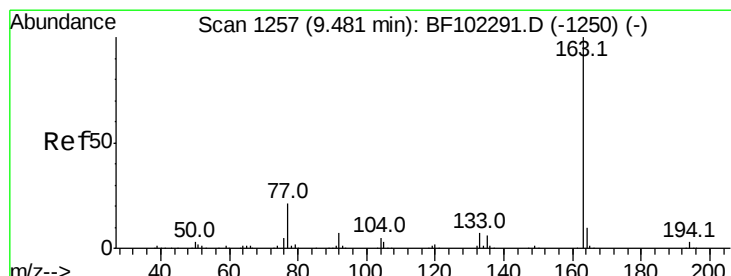
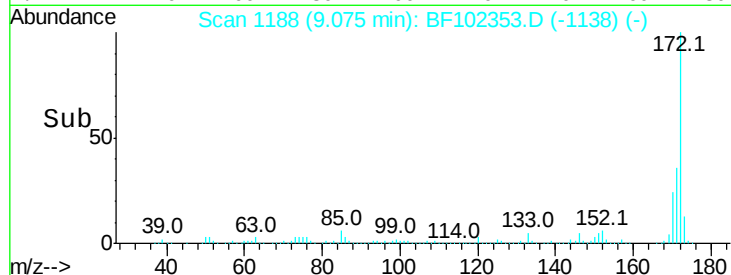
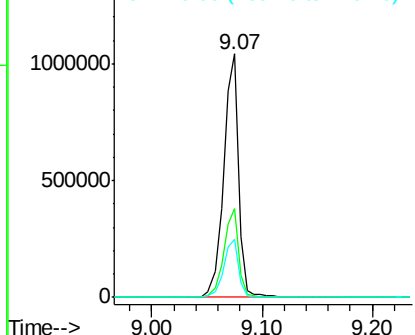
#44
2-Fluorobiphenyl
Concen: 56.552 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102353.D
Acq: 23 Jan 2018 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.6	19.6	29.4

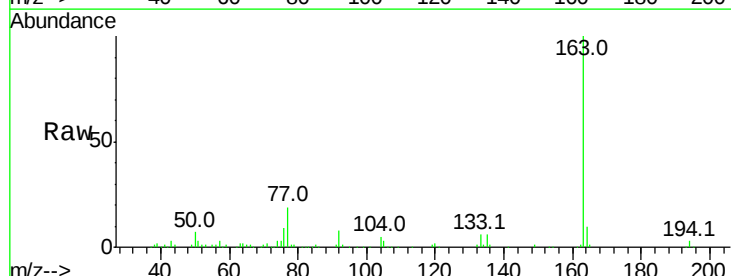


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

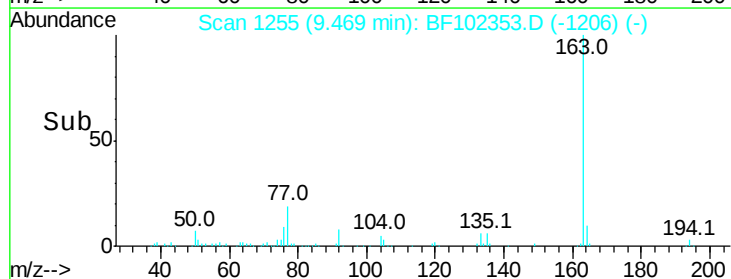
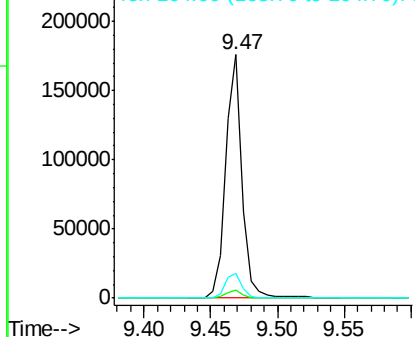


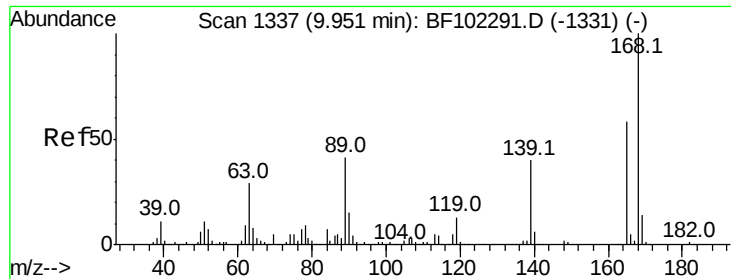
#49
Dimethylphthalate
Concen: 7.187 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102353.D
Acq: 23 Jan 2018 20:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.1	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

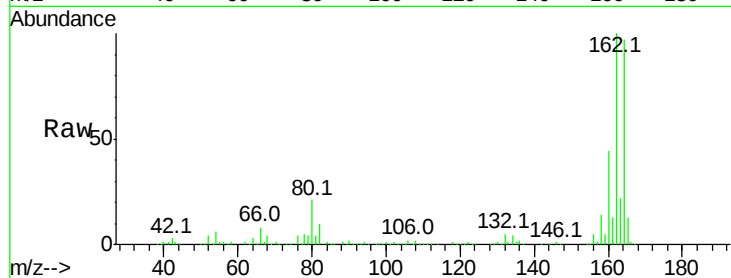




#56
 2,4-Dinitrotoluene
 Concen: 5.970 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102353.D
 Acq: 23 Jan 2018 20:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

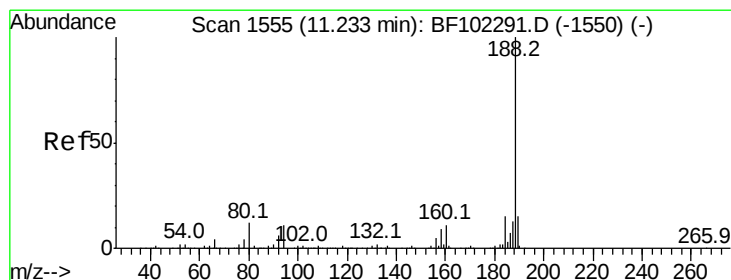
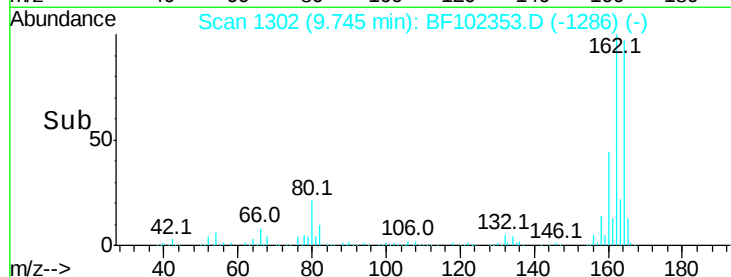
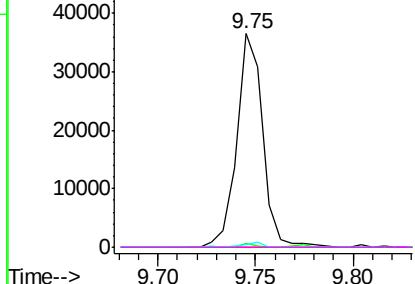


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

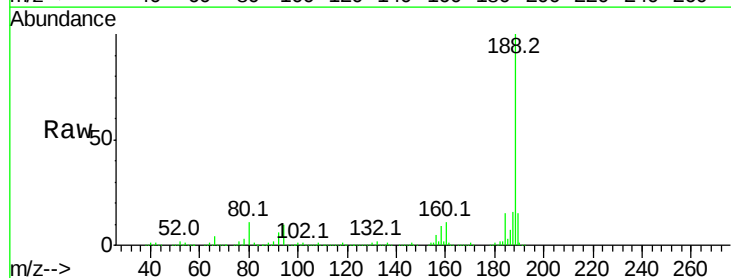
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: BF102353.D
 Acq: 23 Jan 2018 20:24

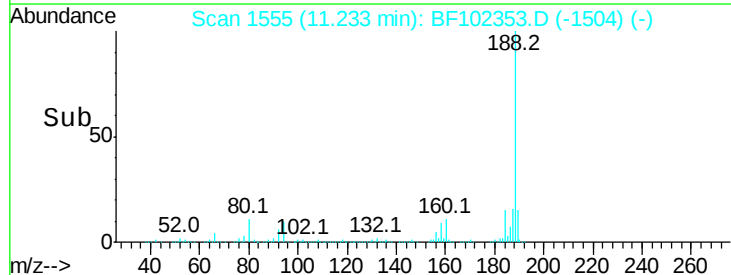
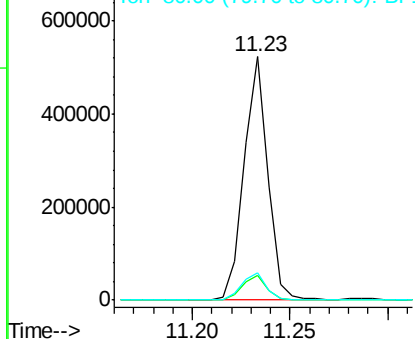
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.3	9.2	13.8

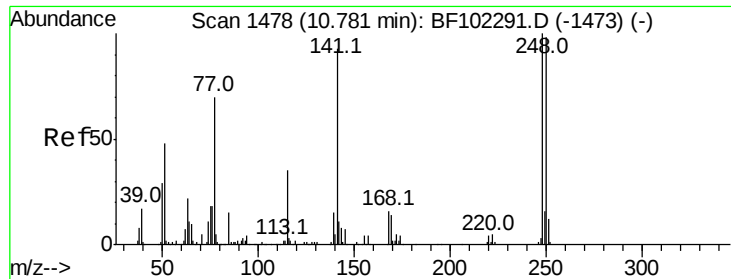


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

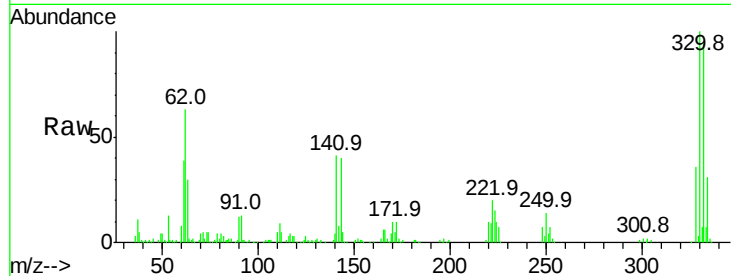




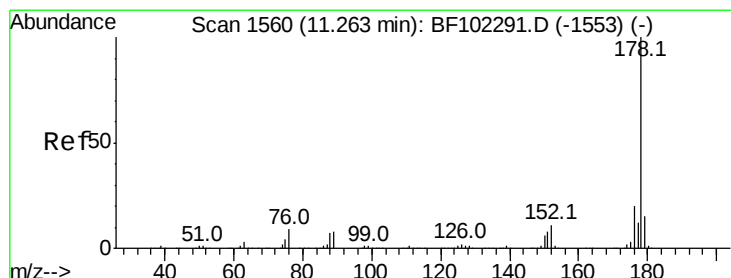
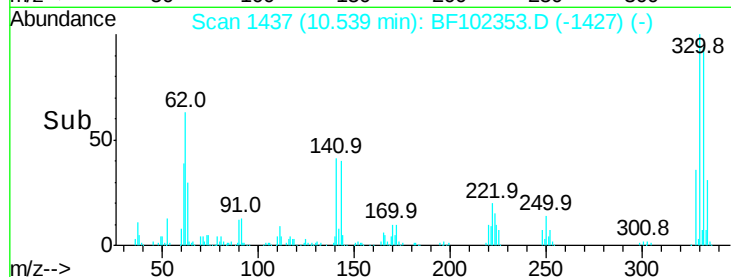
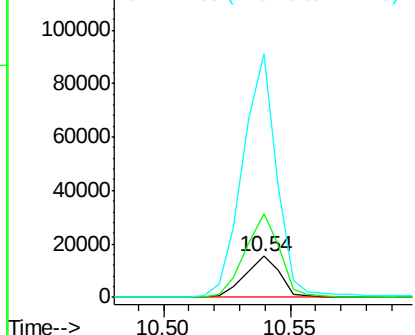
#66
4-Bromophenyl-phenylether
Concen: 3.071 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102353.D
Acq: 23 Jan 2018 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14583
Ion Ratio Lower Upper
248 100
250 204.9 76.9 115.3#
141 593.9 74.4 111.6#

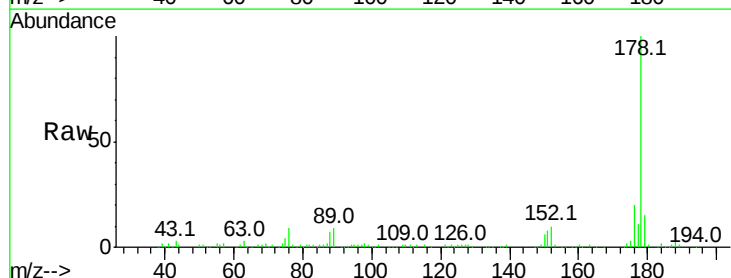


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

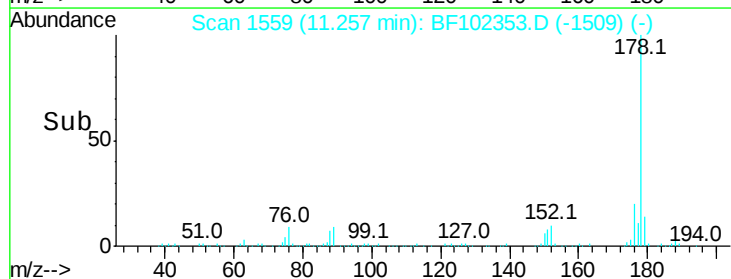
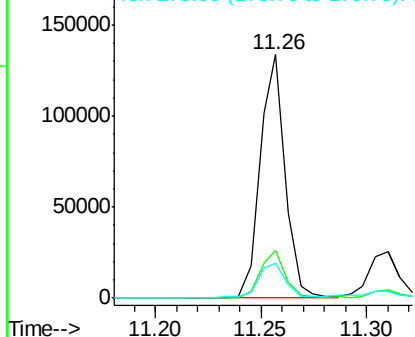


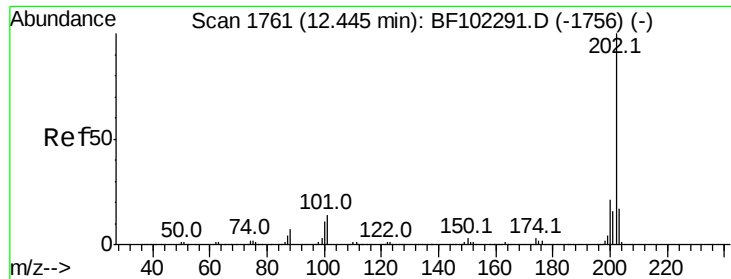
#70
Phenanthrene
Concen: 4.298 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102353.D
Acq: 23 Jan 2018 20:24

Tgt Ion:178 Resp: 110468
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 14.6 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: 7.327 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.00 min

Lab File: BF102353.D

Acq: 23 Jan 2018 20:24

Instrument :

BNA_F

ClientSampleId :

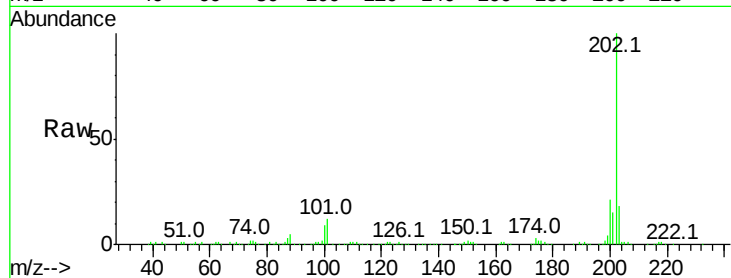
Tot Ion:202 Resp: 192040

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

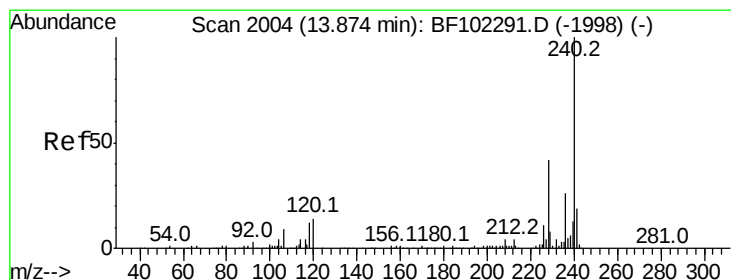
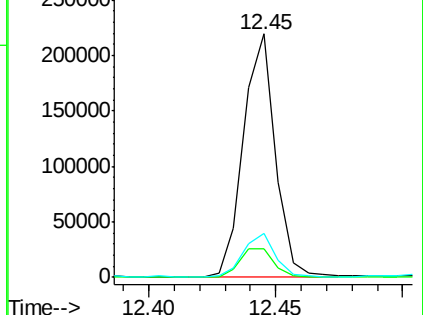
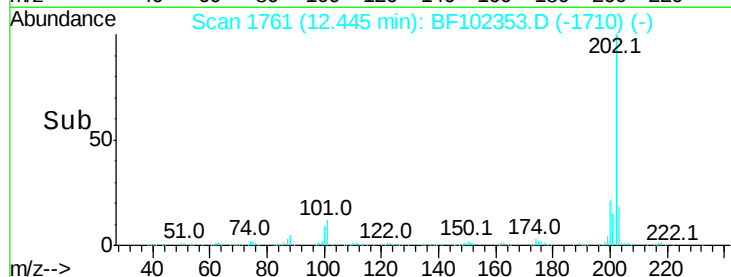
203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102353.D

Acq: 23 Jan 2018 20:24

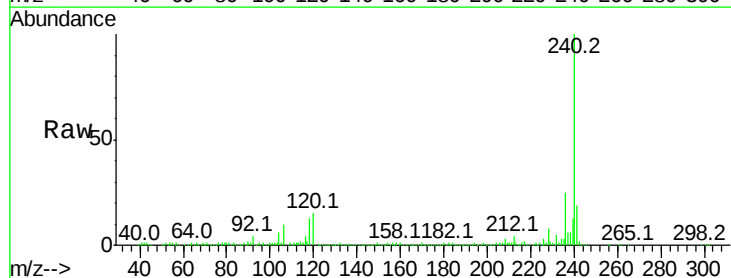
Tgt Ion:240 Resp: 280206

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

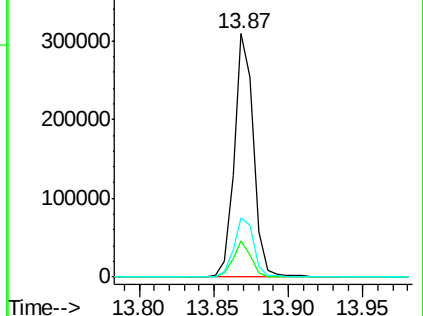
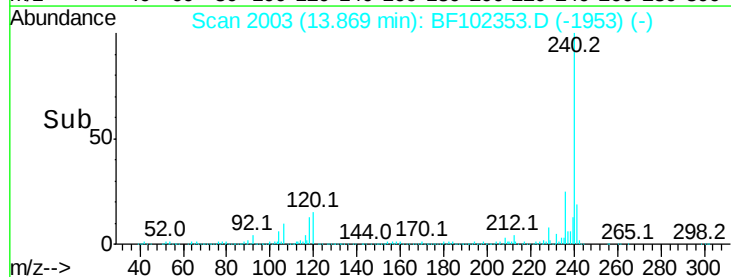
236 24.5 20.7 31.1

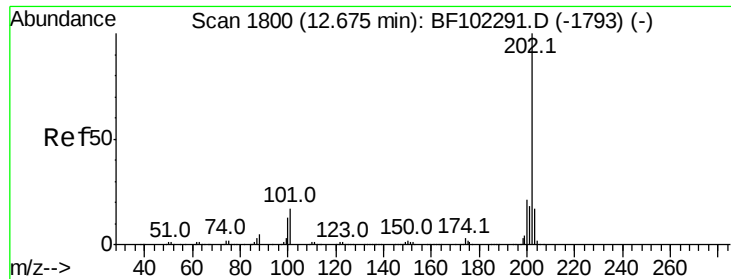


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.462 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF102353.D

Acq: 23 Jan 2018 20:24

Instrument :

BNA_F

ClientSampled :

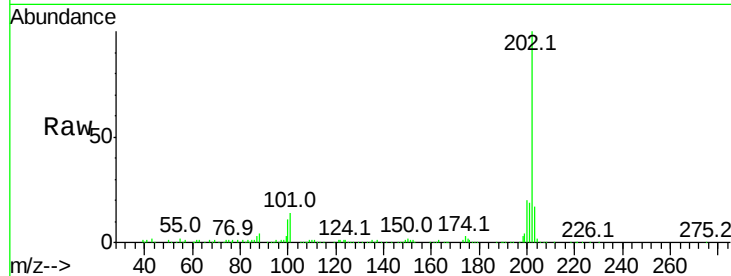
Tot Ion:202 Resp: 183336

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

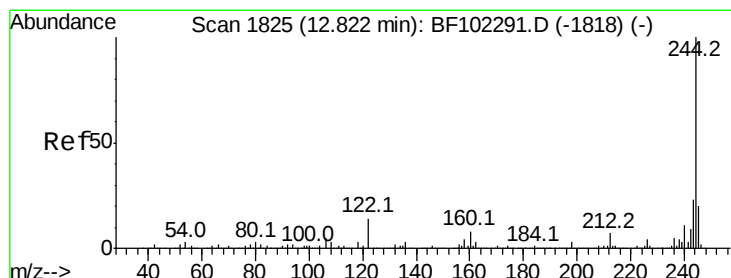
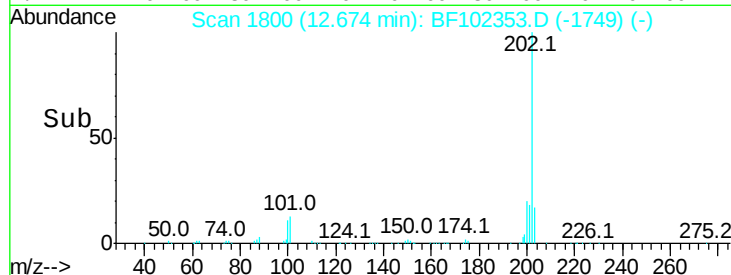
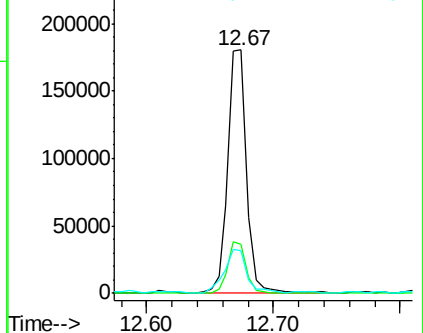
203 17.5 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 63.285 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102353.D

Acq: 23 Jan 2018 20:24

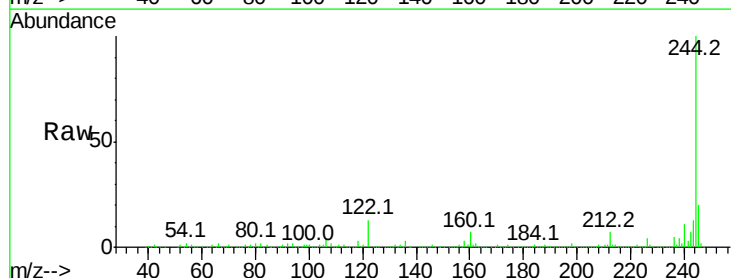
Tgt Ion:244 Resp: 786603

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

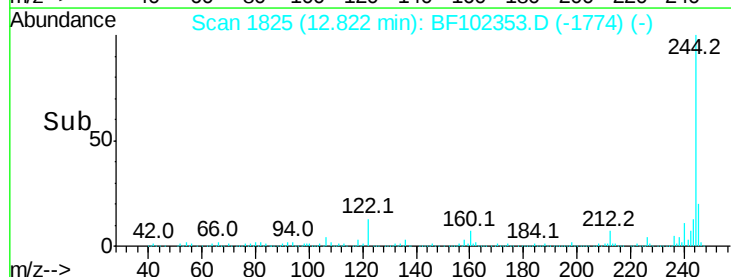
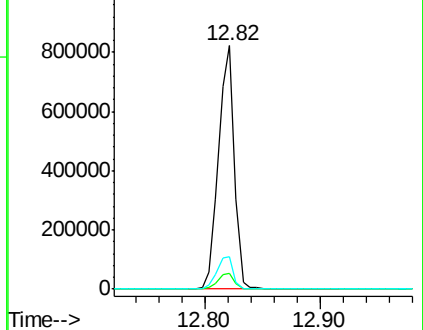
122 13.1 11.0 16.4

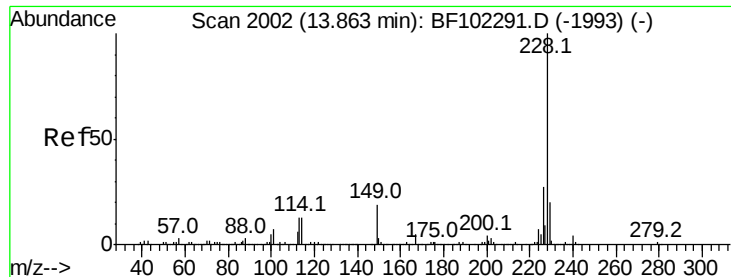


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

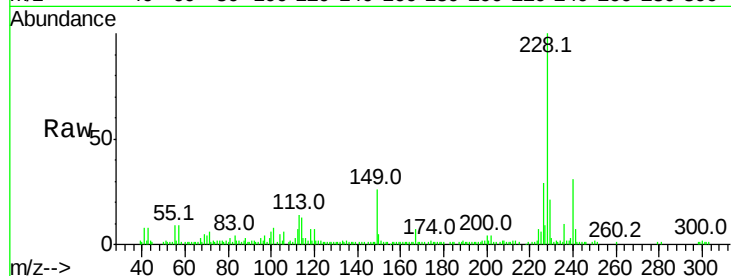




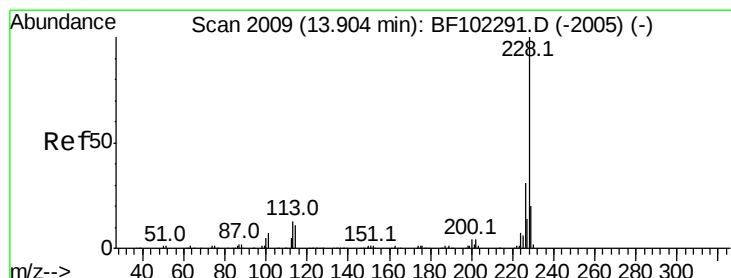
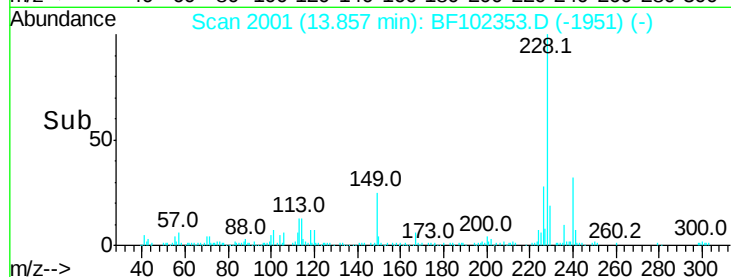
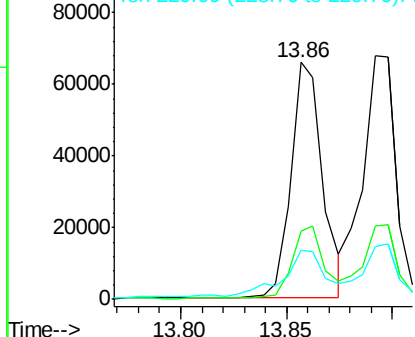
#80
Benzo(a)anthracene
Concen: 3.982 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF102353.D
Acq: 23 Jan 2018 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 68700
Ion Ratio Lower Upper
228 100
226 29.0 22.6 33.8
229 20.9 15.8 23.6

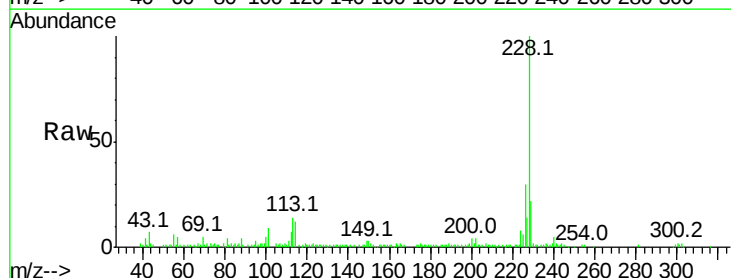


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

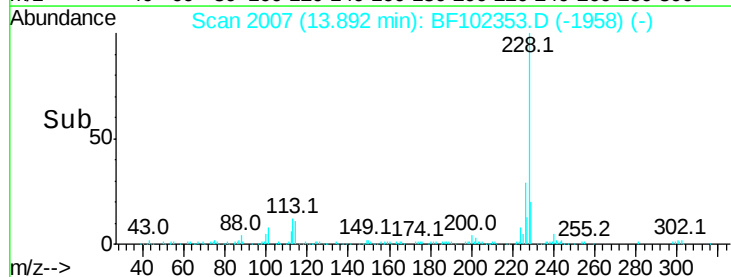
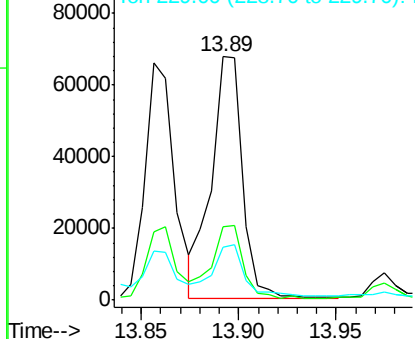


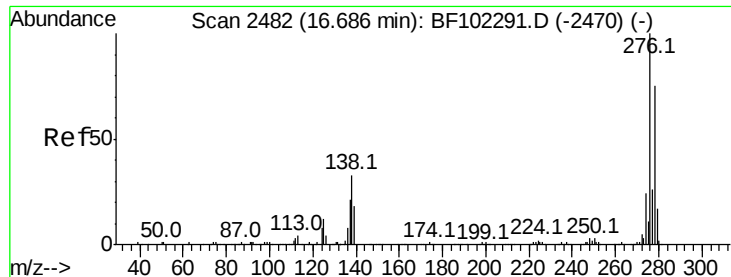
#82
Chrysene
Concen: 4.298 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF102353.D
Acq: 23 Jan 2018 20:24

Tgt Ion:228 Resp: 75291
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 21.9 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

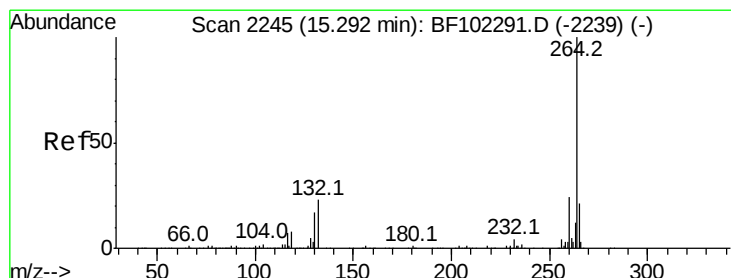
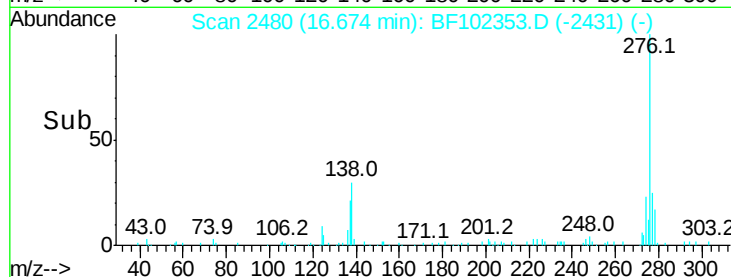
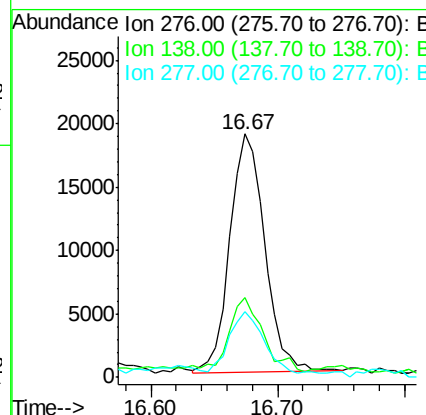
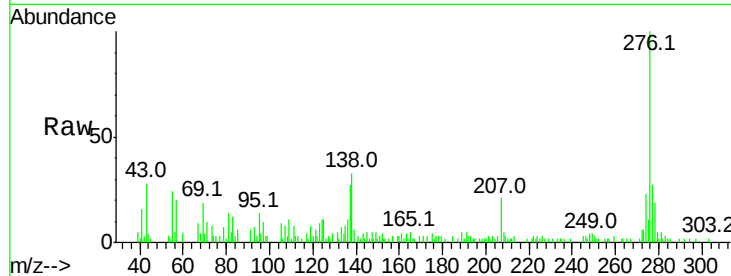




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.476 ng
 RT: 16.67 min Scan# 2480
 Delta R.T. -0.01 min
 Lab File: BF102353.D
 Acq: 23 Jan 2018 20:24

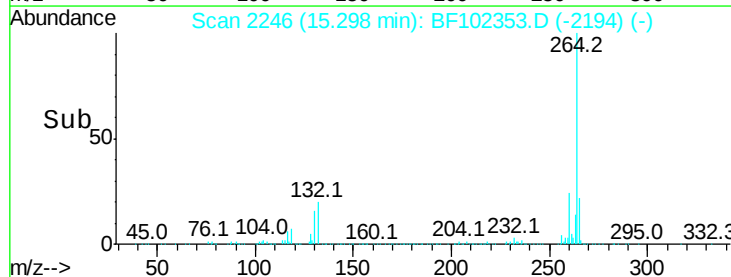
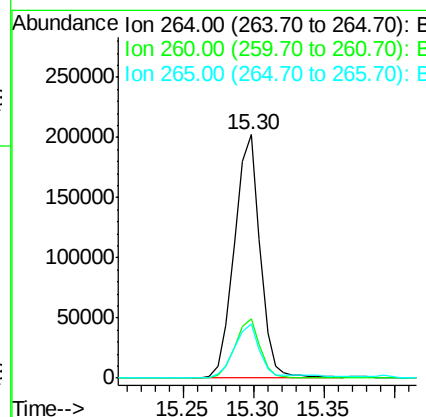
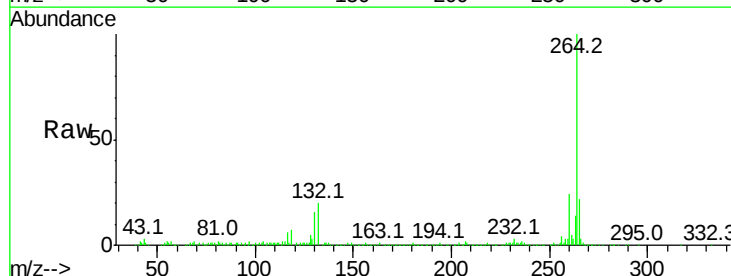
Instrument :
 BNA_F
 ClientSampleId :

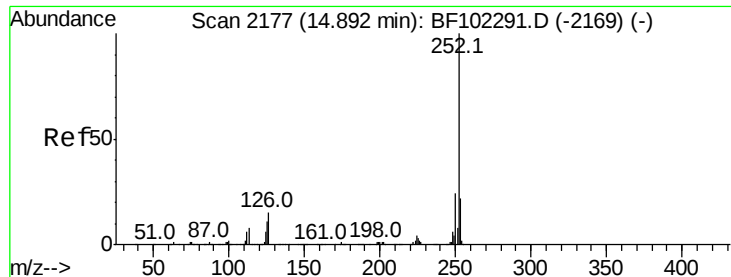
Tot Ion:	276	Resp:	35824
Ion	Ratio	Lower	Upper
276	100		
138	31.7	25.0	37.6
277	31.5	20.1	30.1#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102353.D
 Acq: 23 Jan 2018 20:24

Tgt Ion:	264	Resp:	257535
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 6.648 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.01 min

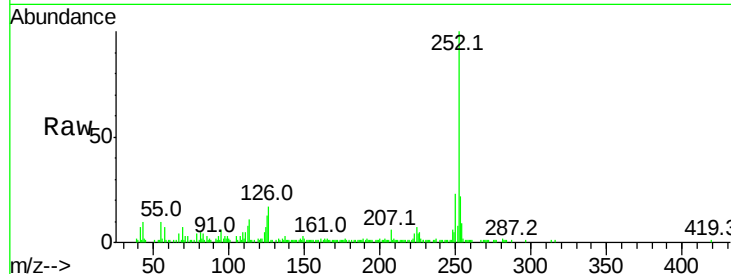
Lab File: BF102353.D

Acq: 23 Jan 2018 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 110970

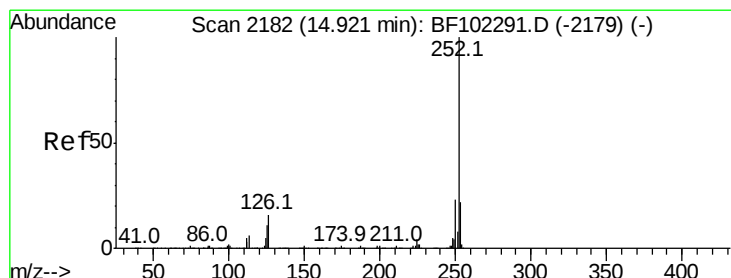
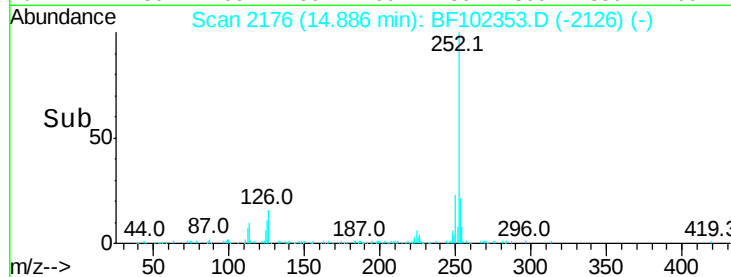
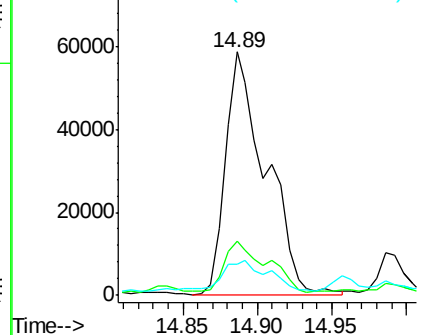
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	12.7	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.037 ng

RT: 14.89 min Scan# 2176

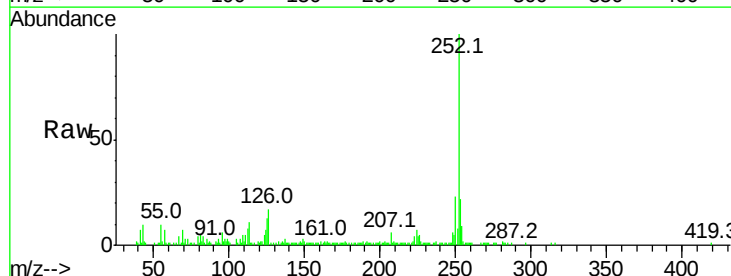
Delta R.T. -0.04 min

Lab File: BF102353.D

Acq: 23 Jan 2018 20:24

Tgt Ion:252 Resp: 110970

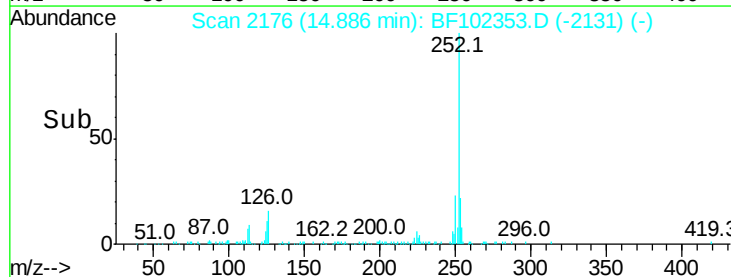
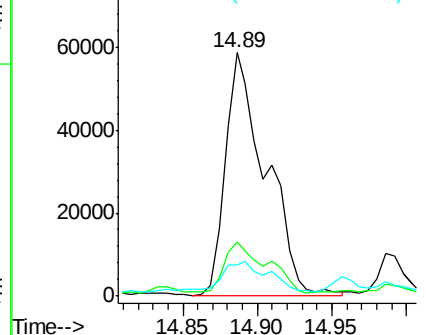
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	12.7	10.2	15.2

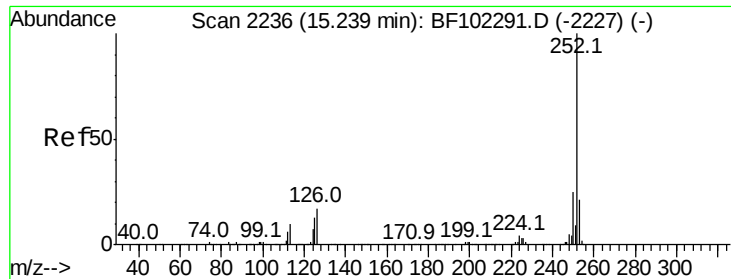


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

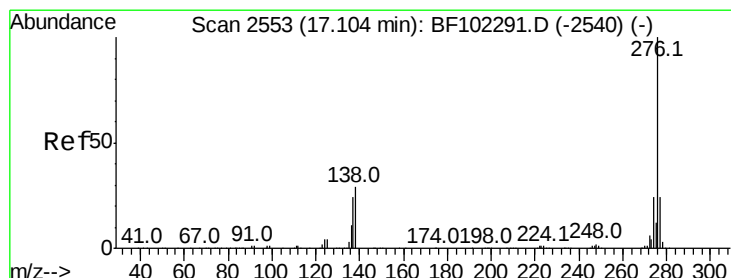
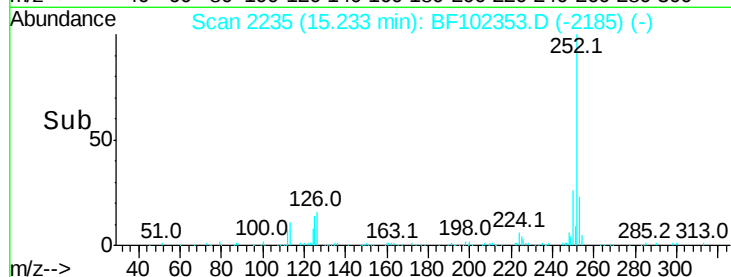
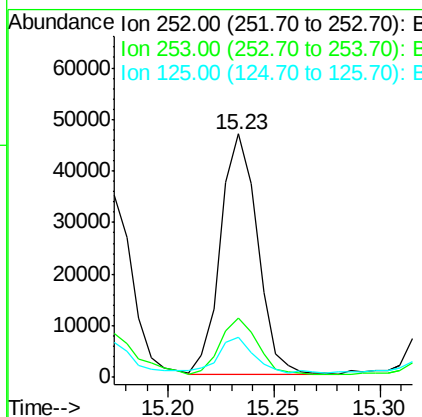
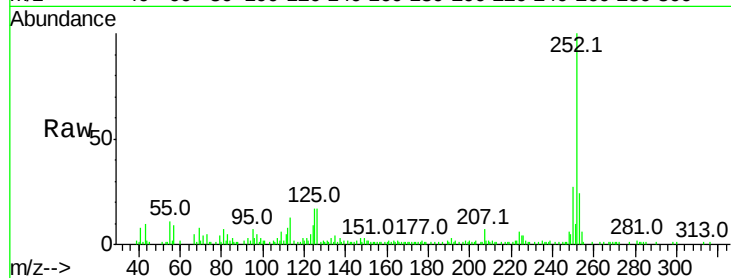




#89
Benzo(a)pyrene
Concen: 3.780 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF102353.D
Acq: 23 Jan 2018 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 56912
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 16.6 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.993 ng
RT: 17.10 min Scan# 2552
Delta R.T. -0.01 min
Lab File: BF102353.D
Acq: 23 Jan 2018 20:24

Tgt Ion:276 Resp: 36044
Ion Ratio Lower Upper
276 100
277 23.2 17.9 26.9
138 27.1 21.8 32.8

