

Data Path : U:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102576.D
 Acq On : 28 Jan 2018 23:45
 Operator : SJ/JU
 Sample : J1290-14 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 05:52:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	154835	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	635642	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	257546	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	358345	20.00	ng	0.00
75) Chrysene-d12	13.88	240	300147	20.00	ng	0.00
86) Perylene-d12	15.32	264	210819	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	558058	54.65	ng	0.00
7) Phenol-d6	6.36	99	674621	54.80	ng	0.00
23) Nitrobenzene-d5	7.28	82	392784	35.51	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	97476	38.20	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	680065	38.83	ng	0.00
78) Terphenyl-d14	12.82	244	440559	33.09	ng	0.00

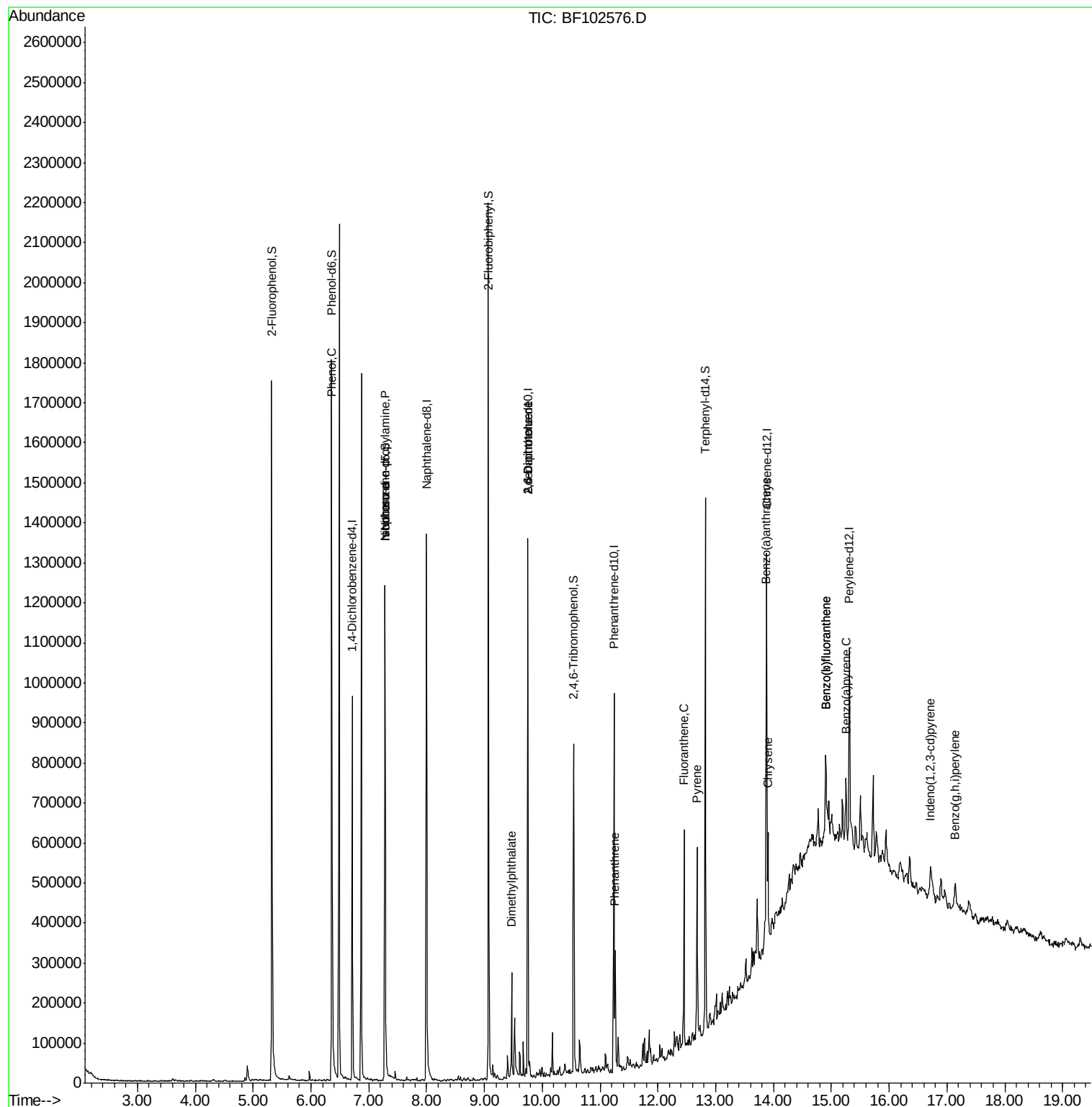
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	30897	2.299	ng	# 72
19) n-Nitroso-di-n-propylamine	7.28	70	51555	6.843	ng	# 78
25) Isophorone	7.28	82	392779	19.919	ng	# 64
49) Dimethylphthalate	9.47	163	102672	4.823	ng	99
50) 2,6-Dinitrotoluene	9.75	165	32677	7.120	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	32677	5.790	ng	# 23
70) Phenanthrene	11.26	178	107522	5.149	ng	96
74) Fluoranthene	12.45	202	197287	9.265	ng	97
77) Pyrene	12.68	202	198141	8.538	ng	99
80) Benzo(a)anthracene	13.87	228	108549	5.874	ng	97
82) Chrysene	13.90	228	95588	5.094	ng	95
85) Indeno(1,2,3-cd)pyrene	16.72	276	38795	2.503	ng	97
87) Benzo(b)fluoranthene	14.90	252	143641	10.512	ng	# 87
88) Benzo(k)fluoranthene	14.90	252	143641	11.127	ng	# 90
89) Benzo(a)pyrene	15.26	252	70964	5.758	ng	# 90
91) Benzo(g,h,i)perylene	17.15	276	38315	3.887	ng	# 86

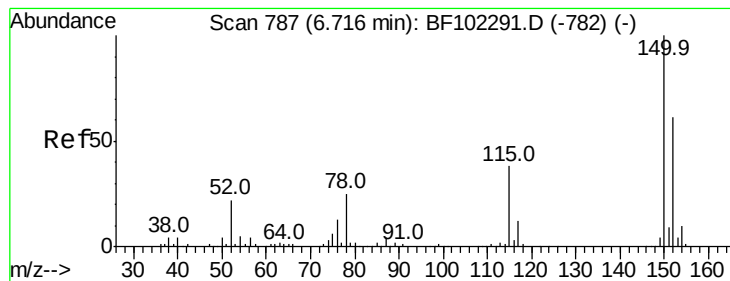
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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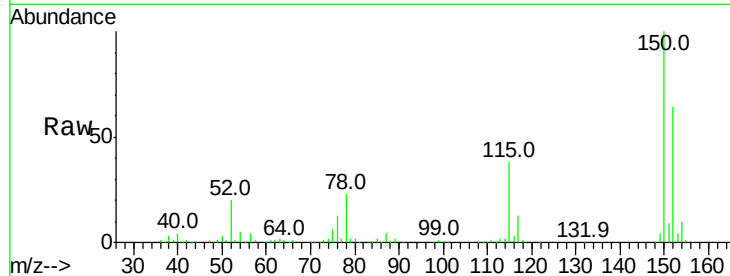


#1

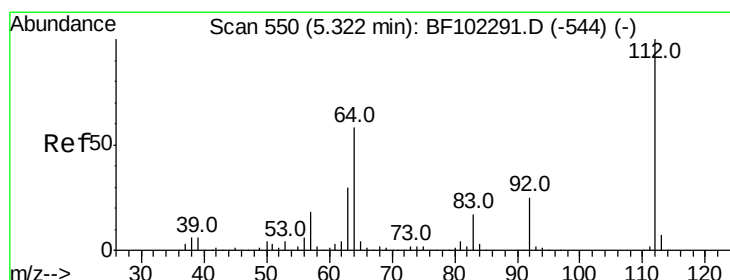
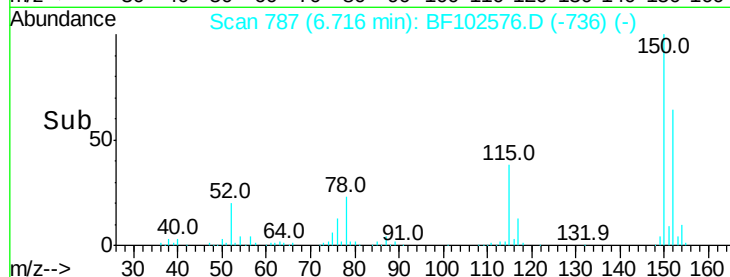
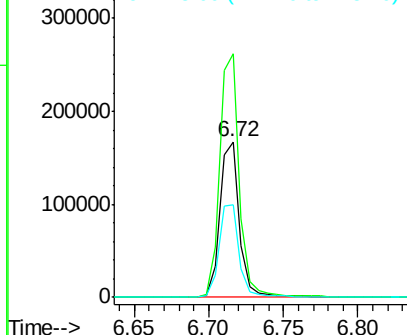
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102576.D
Acq: 28 Jan 2018 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154835
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 59.7 50.1 75.1



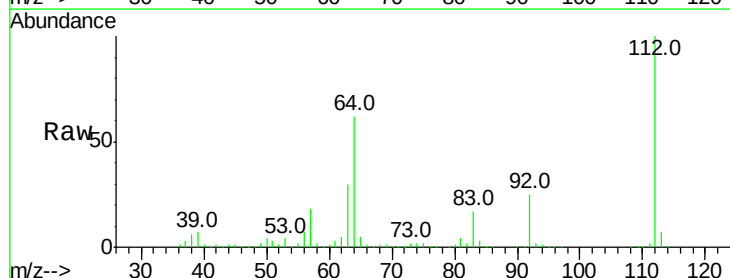
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



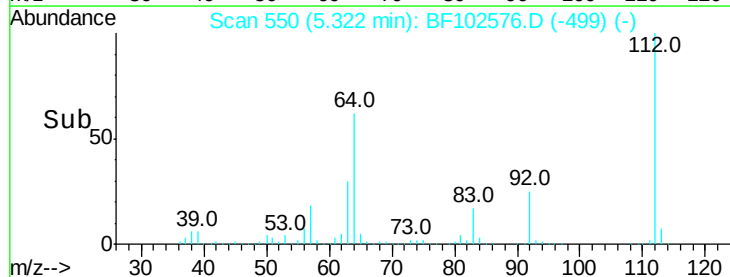
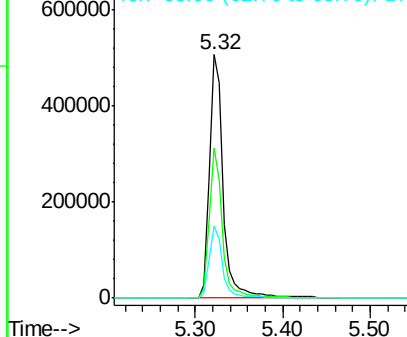
#5

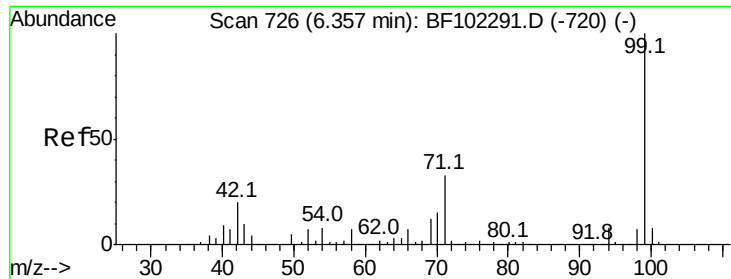
2-Fluorophenol
Concen: 54.649 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102576.D
Acq: 28 Jan 2018 23:45

Tgt Ion:112 Resp: 558058
Ion Ratio Lower Upper
112 100
64 61.6 47.9 71.9
63 29.9 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: 54.798 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102576.D

Acq: 28 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

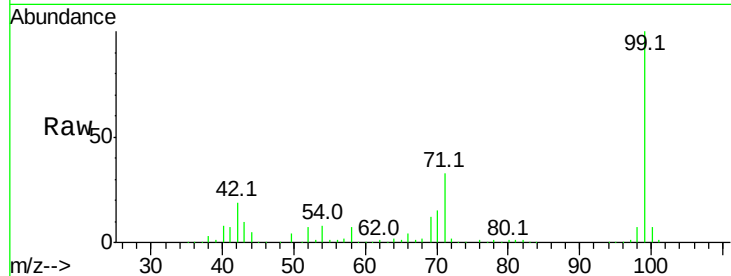
Tot Ion: 99 Resp: 674621

Ion Ratio Lower Upper

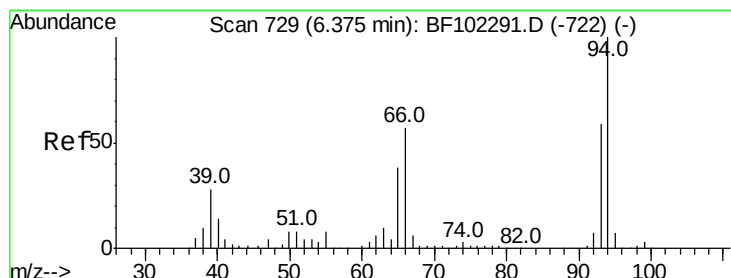
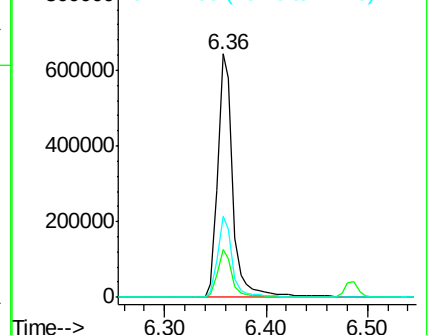
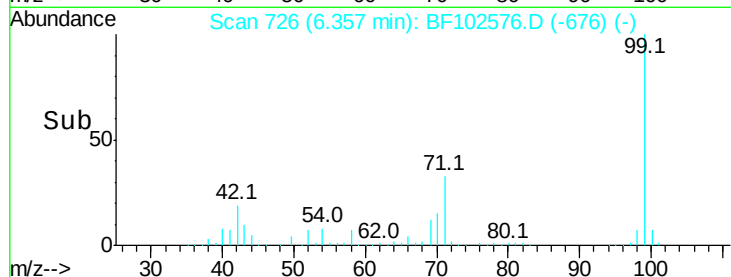
99 100

42 19.4 14.5 21.7

71 33.3 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: 2.299 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102576.D

Acq: 28 Jan 2018 23:45

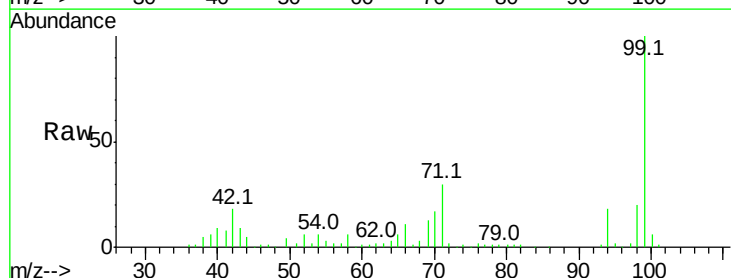
Tgt Ion: 94 Resp: 30897

Ion Ratio Lower Upper

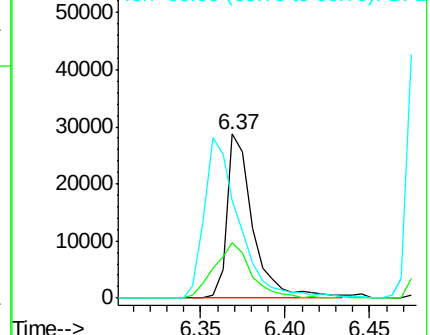
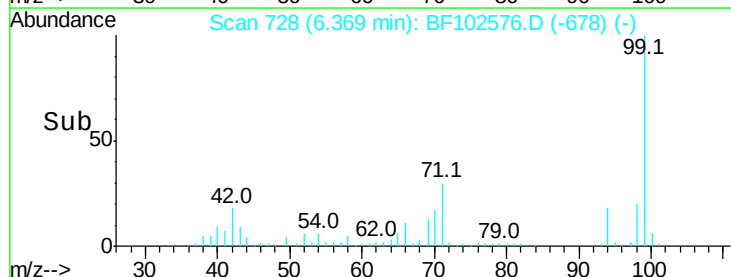
94 100

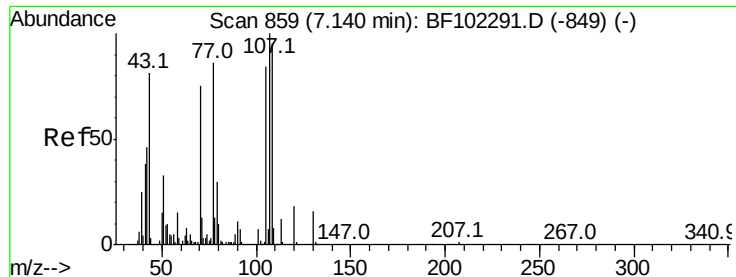
65 34.2 7.9 47.9

66 59.5 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

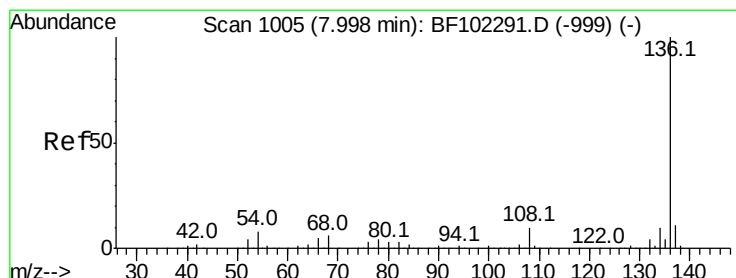
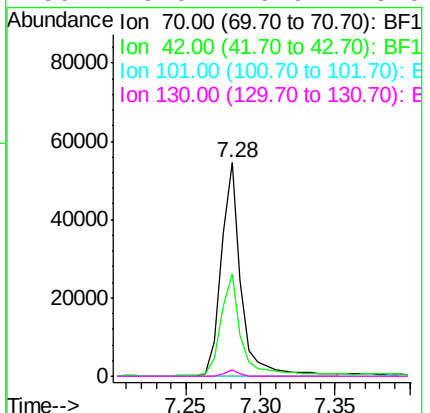
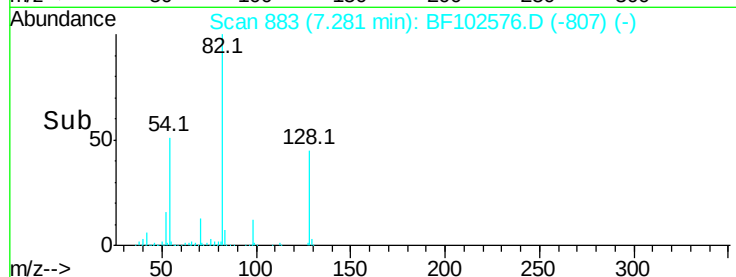
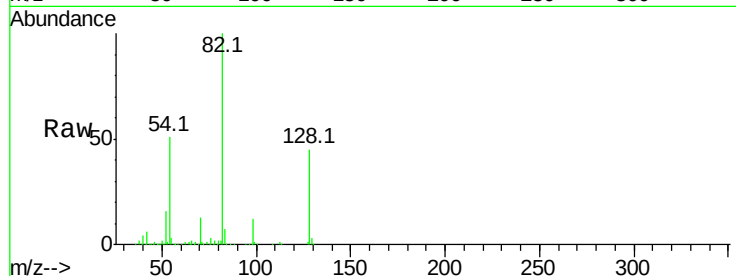




#19
n-Nitroso-di-n-propylamine
Concen: 6.843 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF102576.D
Acq: 28 Jan 2018 23:45

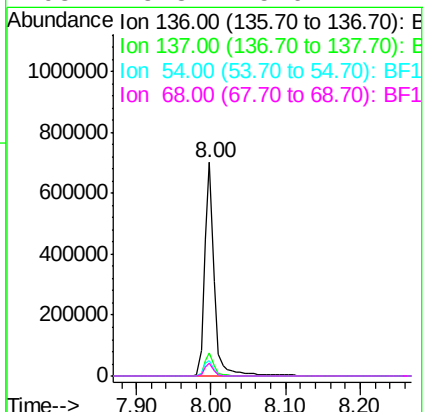
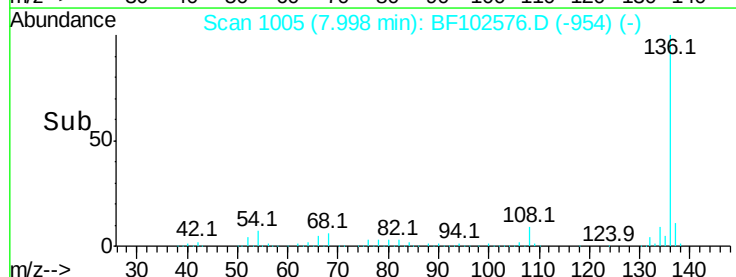
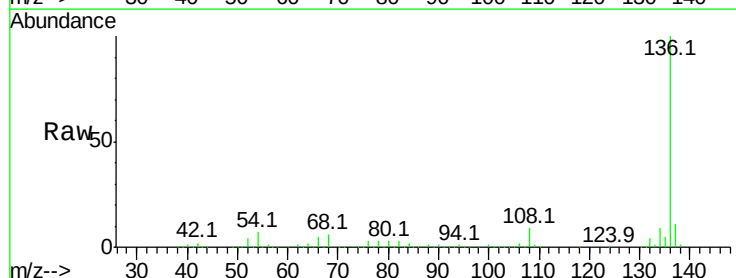
Instrument :
BNA_F
ClientSampleId :

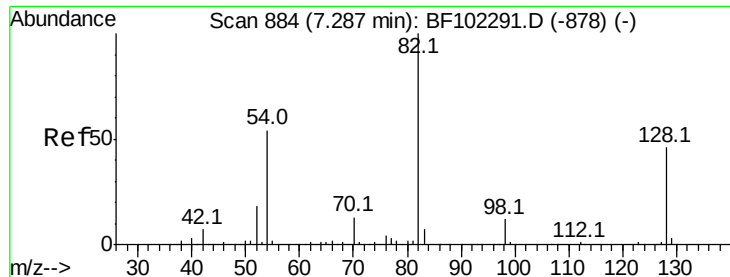
Tot Ion: 70 Resp: 51555
Ion Ratio Lower Upper
70 100
42 48.0 47.5 71.3
101 0.0 7.4 11.2#
130 3.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102576.D
Acq: 28 Jan 2018 23:45

Tgt Ion: 136 Resp: 635642
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.5 6.6 9.8
68 5.8 5.0 7.4

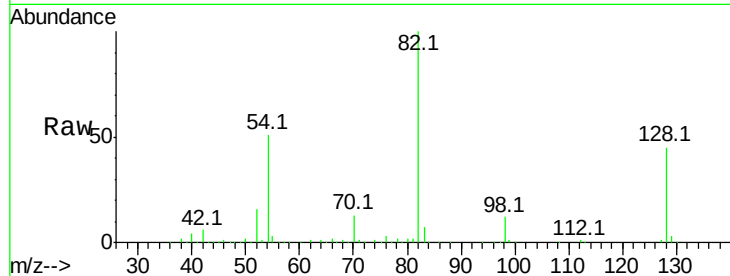




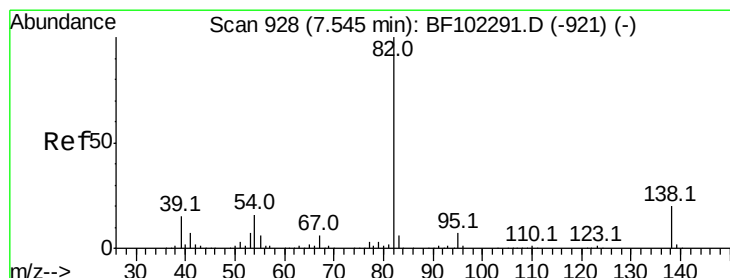
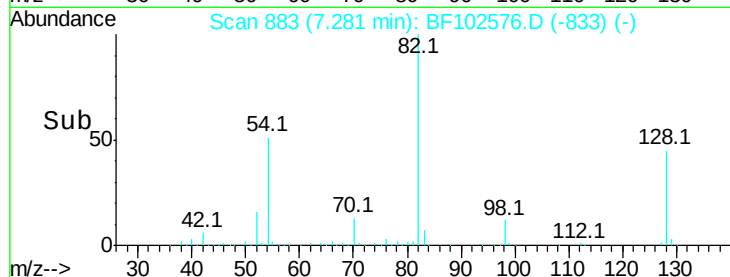
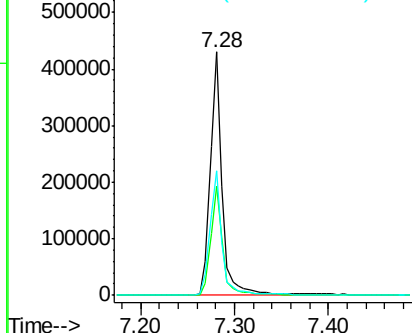
#23
 Nitrobenzene-d5
 Concen: 35.511 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102576.D
 Acq: 28 Jan 2018 23:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 392784
 Ion Ratio Lower Upper
 82 100
 128 44.9 36.1 54.1
 54 51.4 41.4 62.2

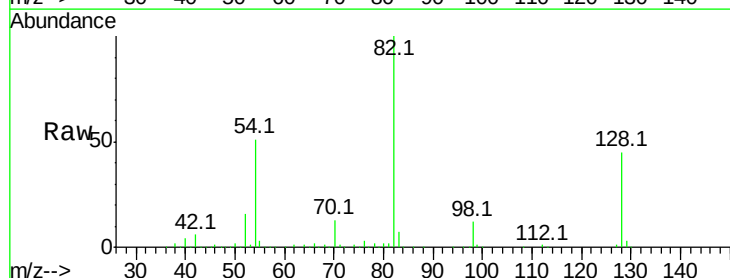


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

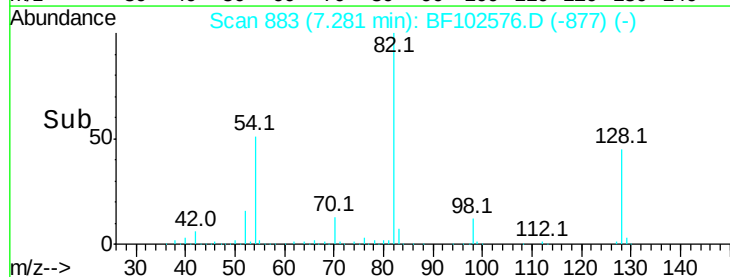
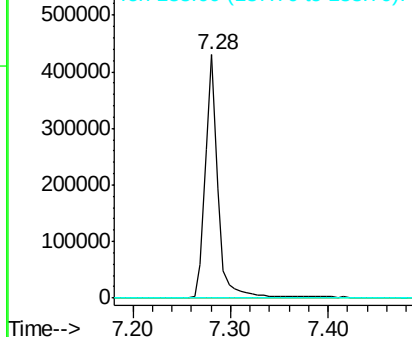


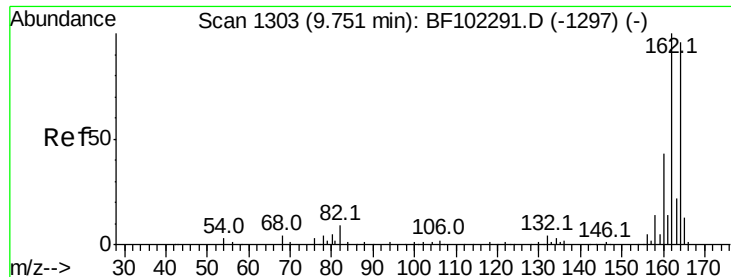
#25
 Isophorone
 Concen: 19.919 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102576.D
 Acq: 28 Jan 2018 23:45

Tgt Ion: 82 Resp: 392779
 Ion Ratio Lower Upper
 82 100
 95 0.0 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

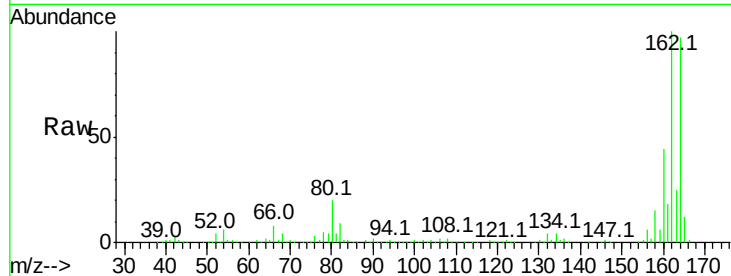




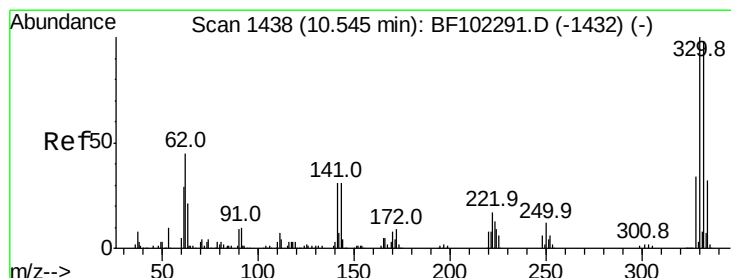
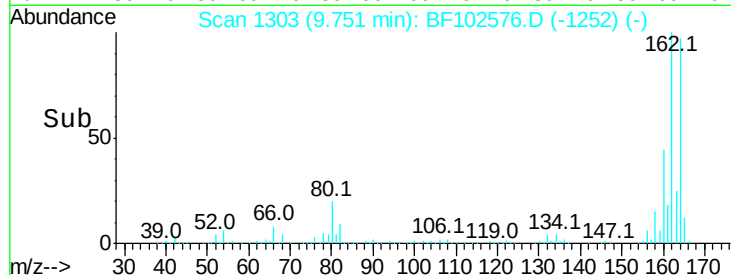
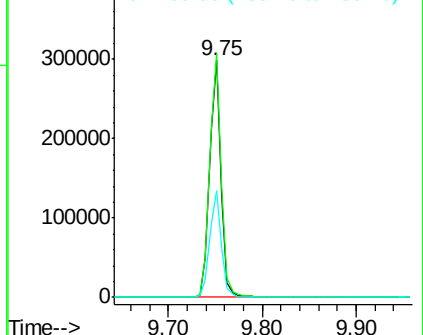
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF102576.D
Acq: 28 Jan 2018 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 257546
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 45.1 38.3 57.5

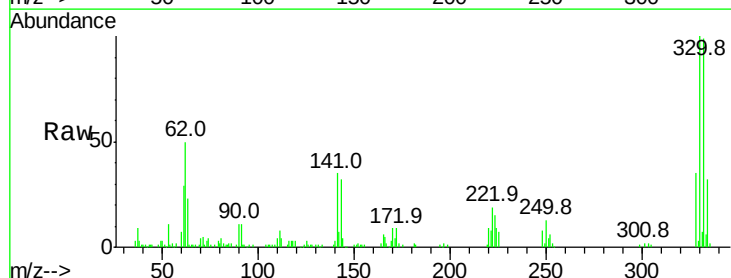


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

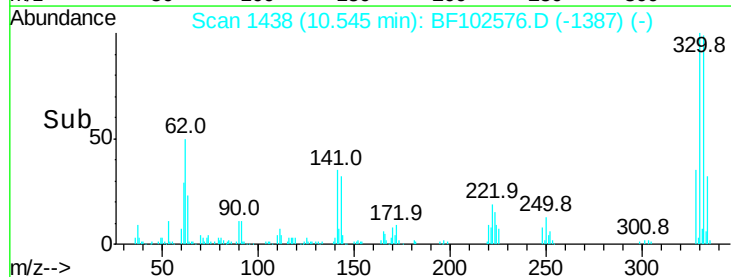
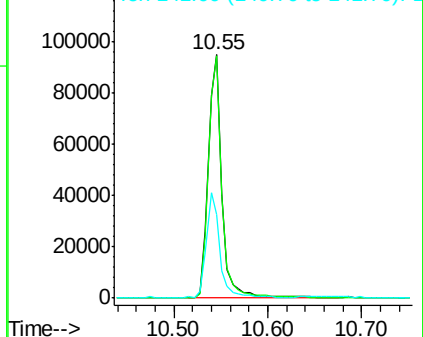


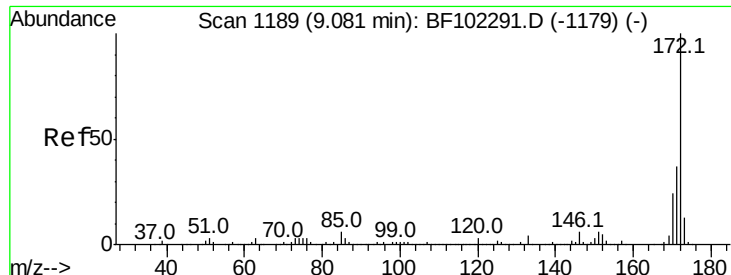
#41
2,4,6-Tribromophenol
Concen: 38.197 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BF102576.D
Acq: 28 Jan 2018 23:45

Tgt Ion:330 Resp: 97476
Ion Ratio Lower Upper
330 100
332 98.4 77.0 115.6
141 43.8 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

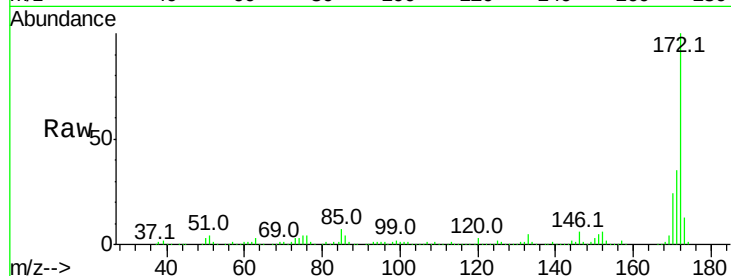




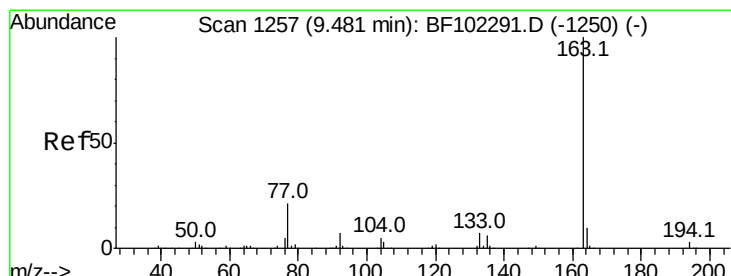
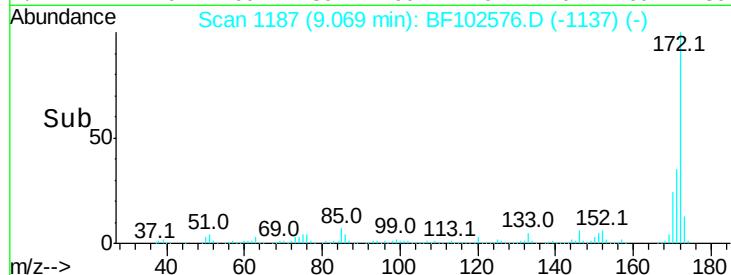
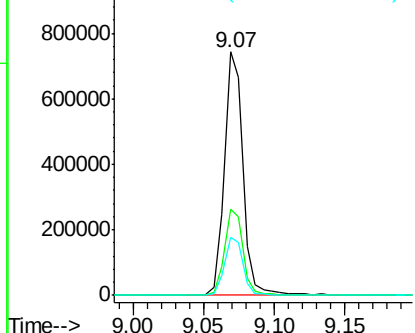
#44
 2-Fluorobiphenyl
 Concen: 38.826 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102576.D
 Acq: 28 Jan 2018 23:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.9	19.6	29.4

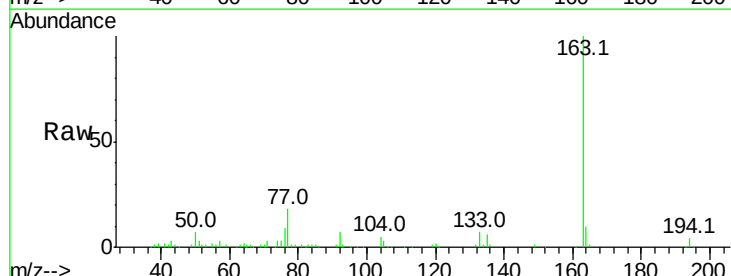


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

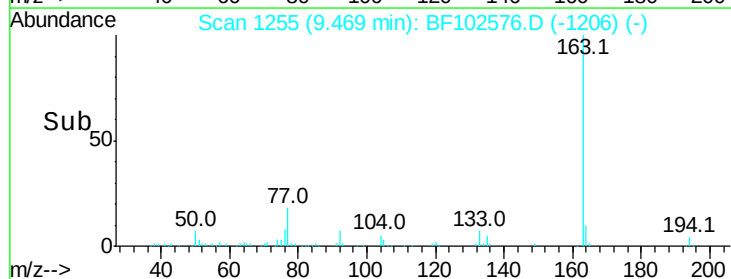
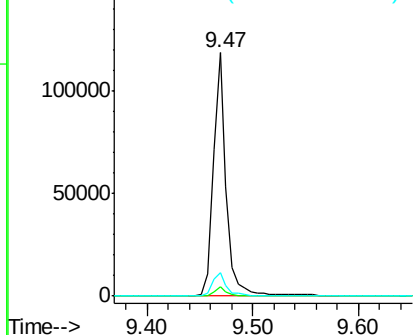


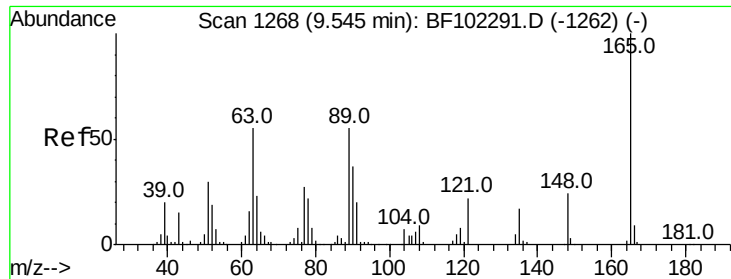
#49
 Dimethylphthalate
 Concen: 4.823 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF102576.D
 Acq: 28 Jan 2018 23:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	9.8	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

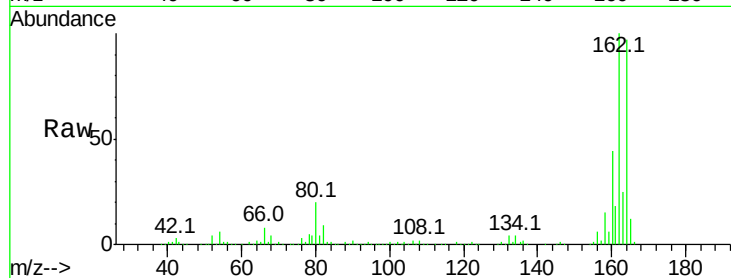




#50
 2,6-Dinitrotoluene
 Concen: 7.120 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.20 min
 Lab File: BF102576.D
 Acq: 28 Jan 2018 23:45

Instrument :
 BNA_F
 ClientSampleId :

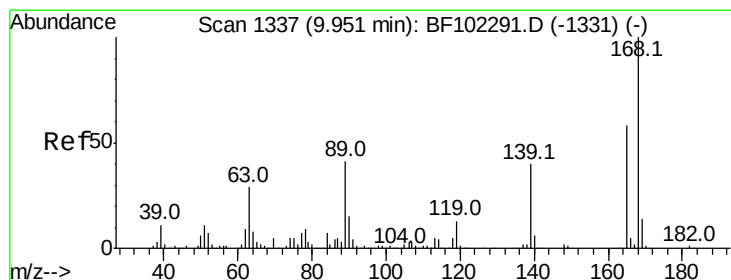
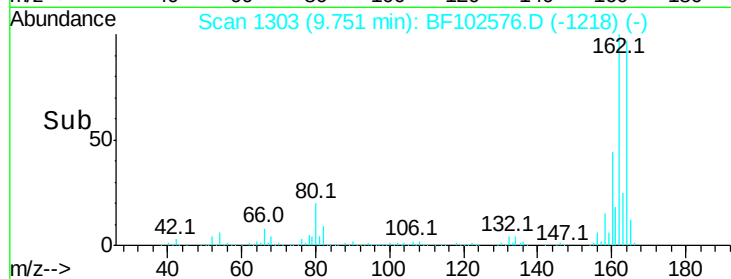
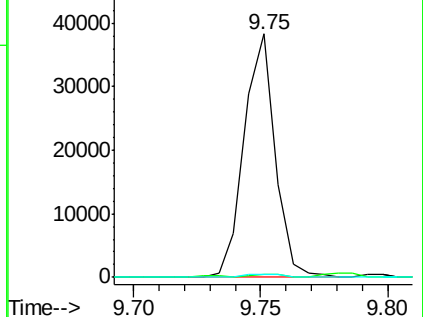
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.5	44.0	66.0#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.790 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF102576.D
 Acq: 28 Jan 2018 23:45

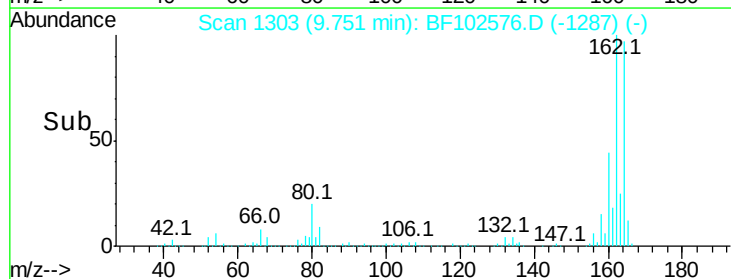
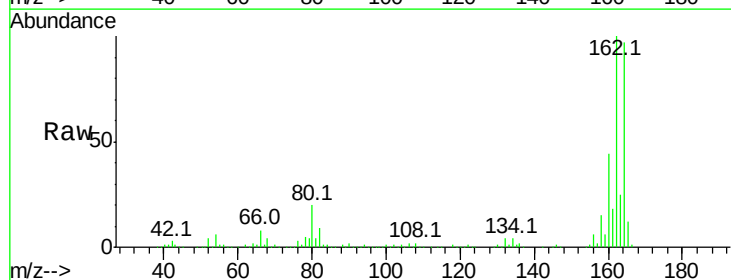
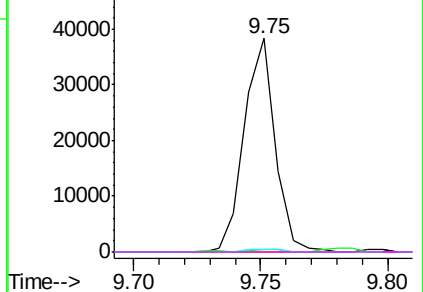
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

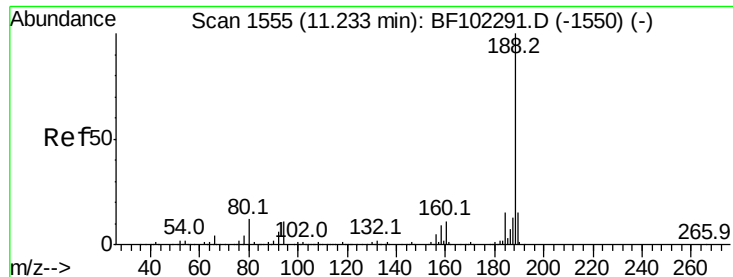
Abundance Ion 165.00 (164.70 to 165.70): E

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

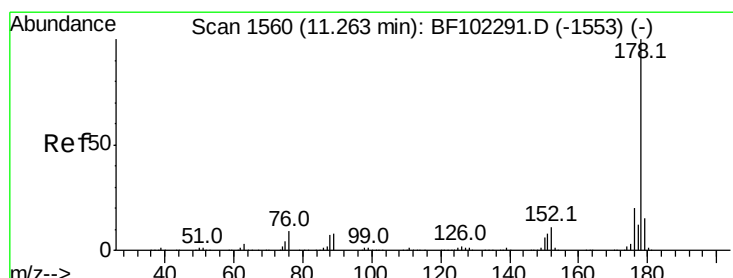
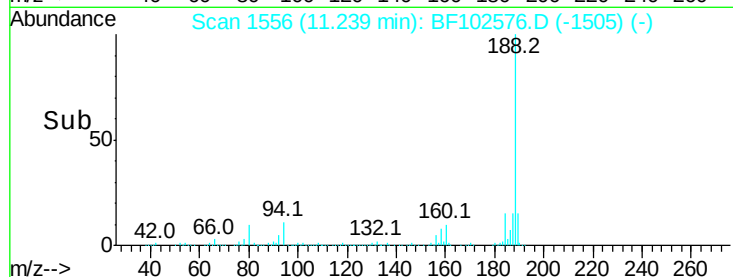
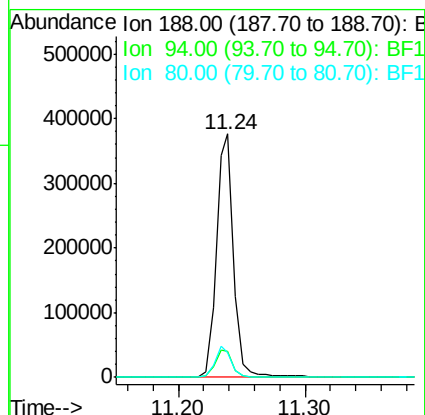
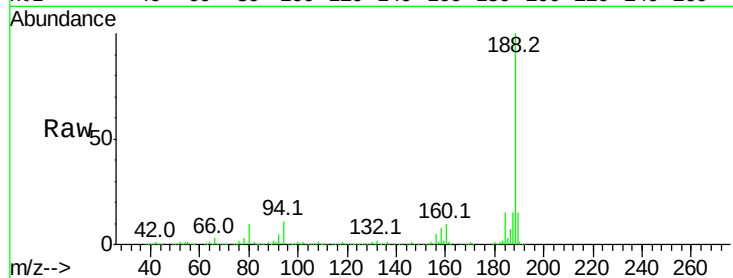




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102576.D
Acq: 28 Jan 2018 23:45

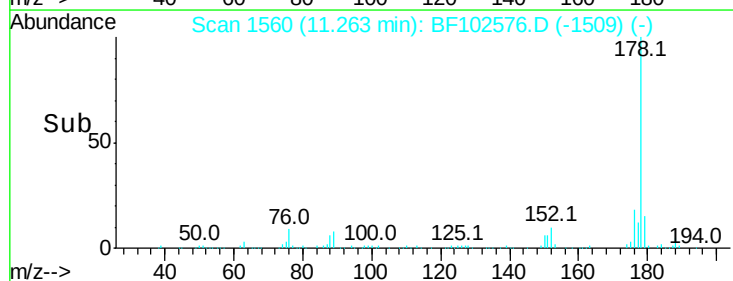
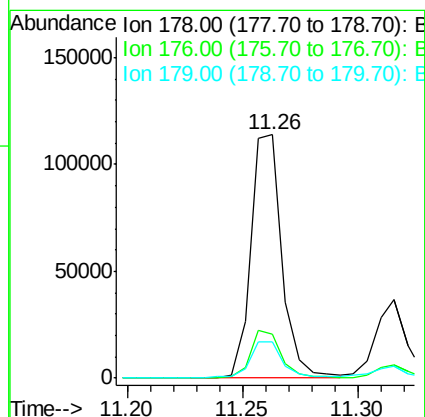
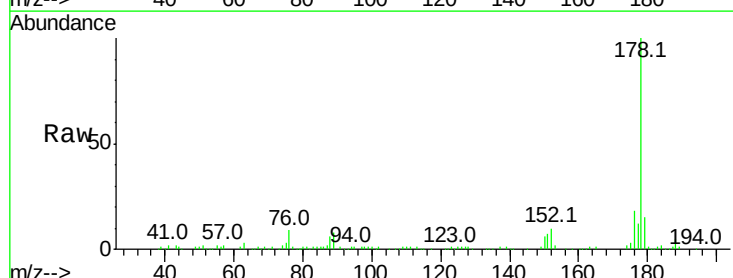
Instrument :
BNA_F
ClientSampled :

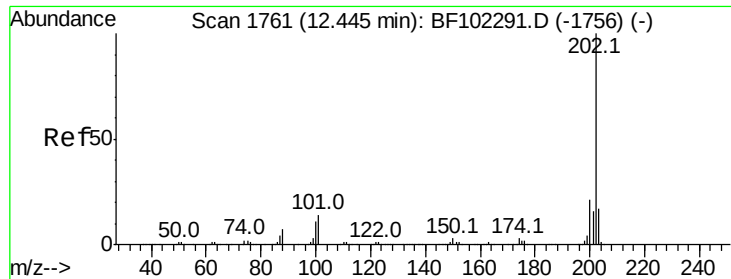
Tot Ion:188 Resp: 358345
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 10.3 9.2 13.8



#70
Phenanthrene
Concen: 5.149 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102576.D
Acq: 28 Jan 2018 23:45

Tgt Ion:178 Resp: 107522
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 15.0 13.0 19.6

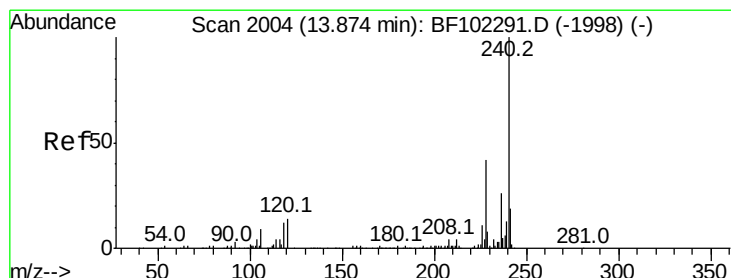
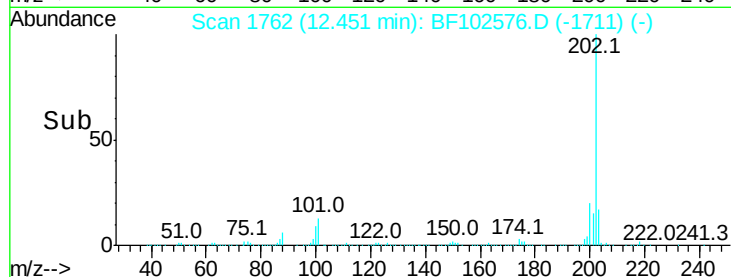
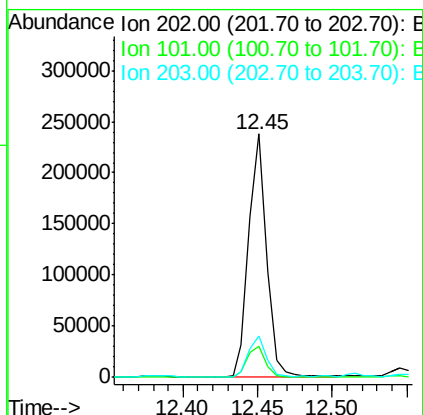
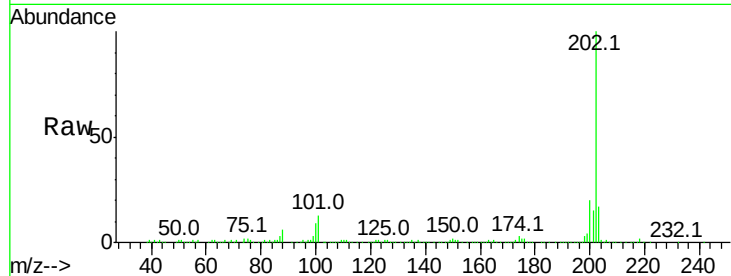




#74
 Fluoranthene
 Concen: 9.265 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BF102576.D
 Acq: 28 Jan 2018 23:45

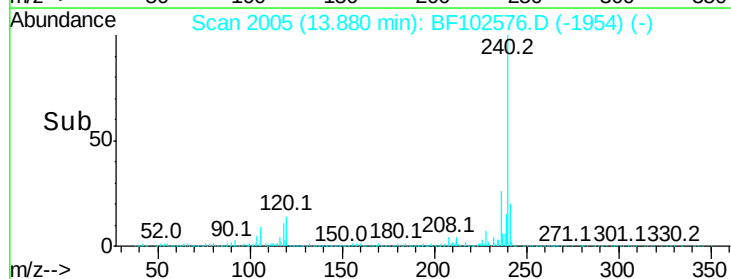
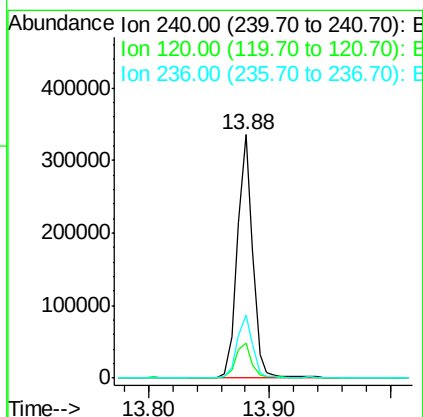
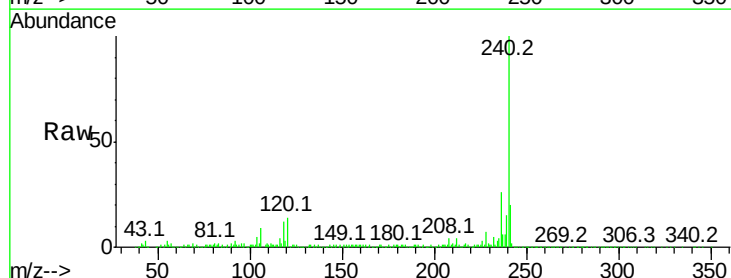
Instrument :
 BNA_F
 ClientSampleId :

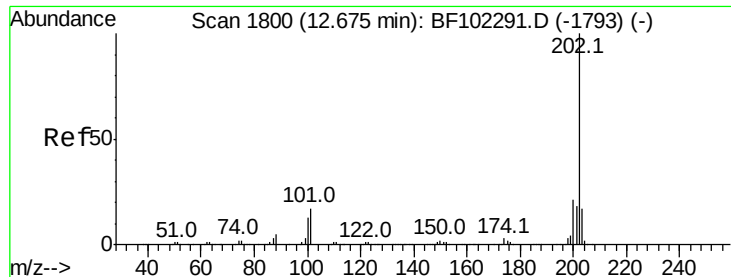
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	16.9	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: BF102576.D
 Acq: 28 Jan 2018 23:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.2	9.5	14.3
236	25.8	20.7	31.1





#77

Pvrene

Concen: 8.538 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102576.D

Acq: 28 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

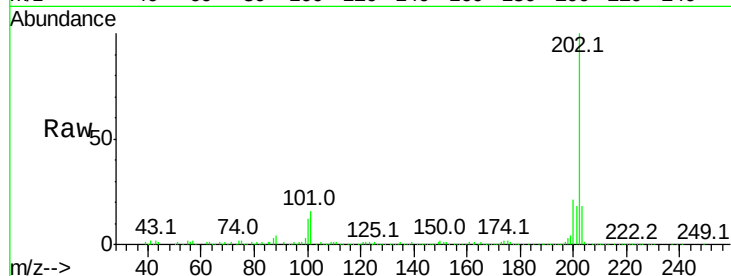
Tot Ion:202 Resp: 198141

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

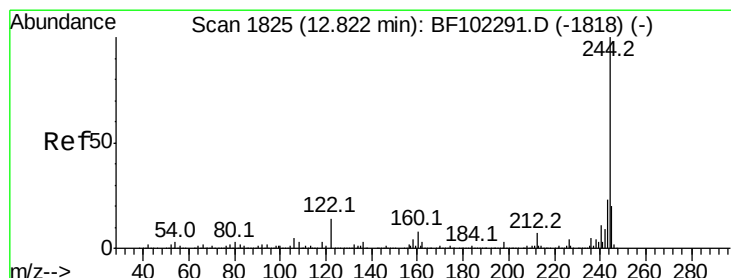
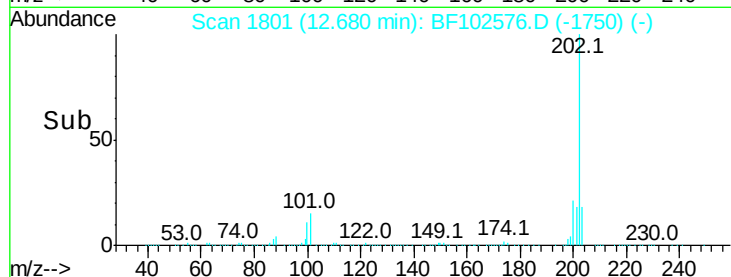
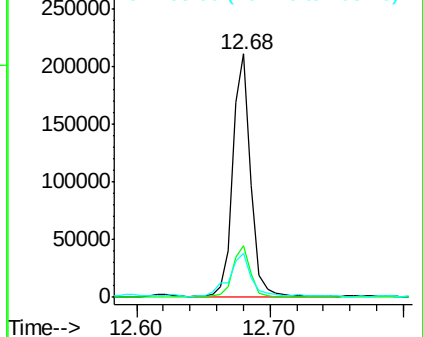
203 18.1 14.3 21.5



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: 33.090 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102576.D

Acq: 28 Jan 2018 23:45

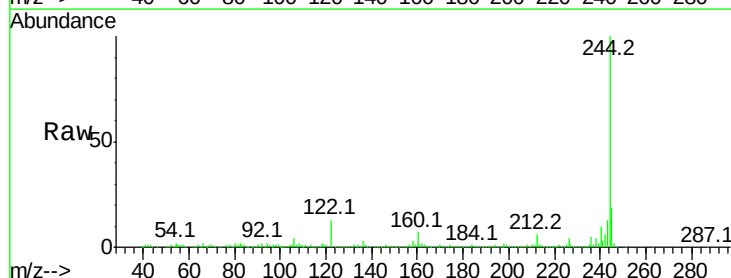
Tgt Ion:244 Resp: 440559

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

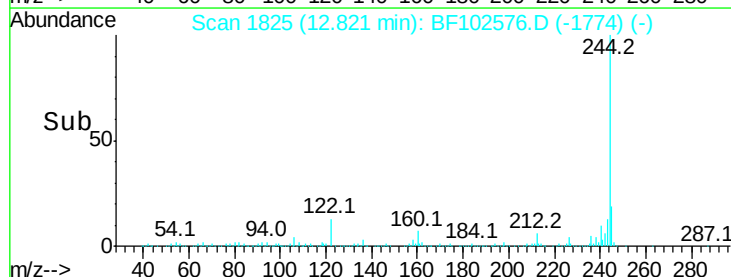
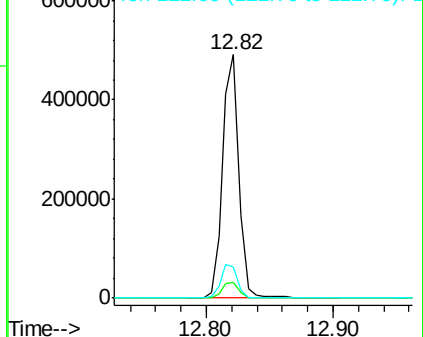
122 12.8 11.0 16.4

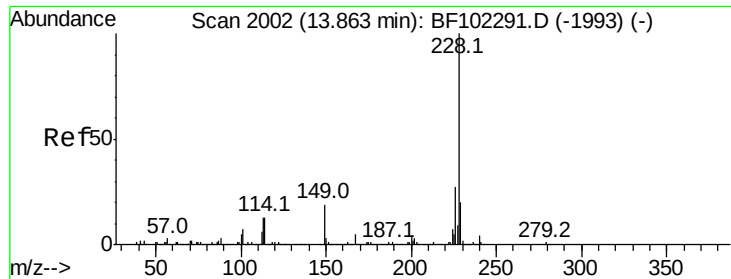


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

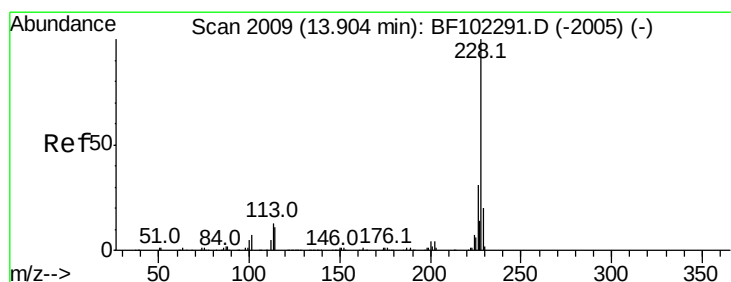
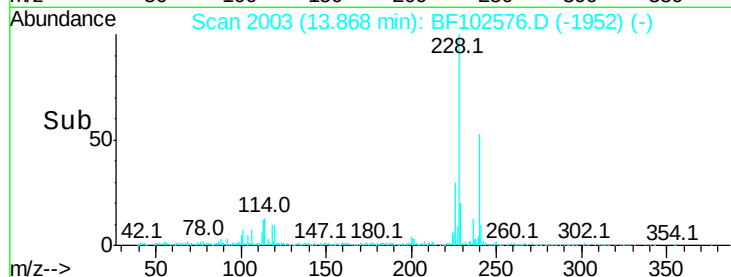
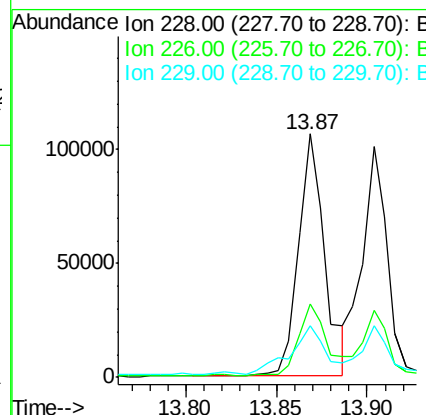
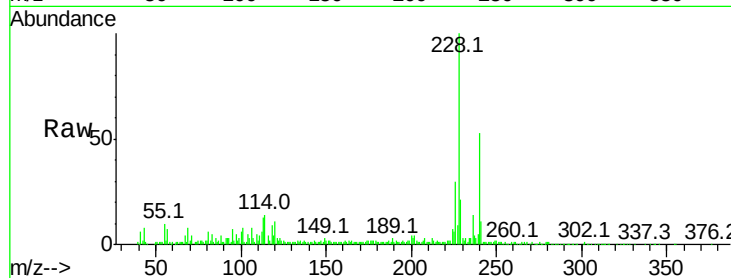




#80
Benzo(a)anthracene
Concen: 5.874 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102576.D
Acq: 28 Jan 2018 23:45

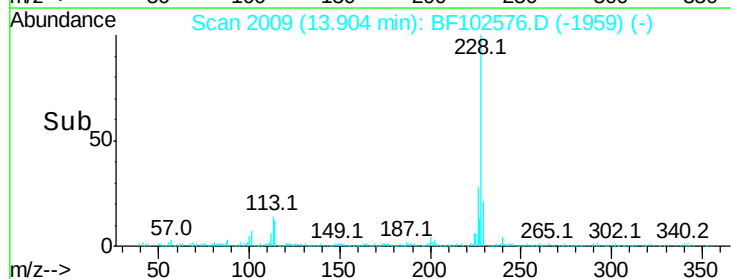
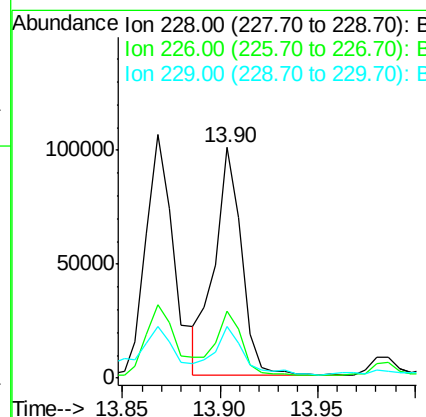
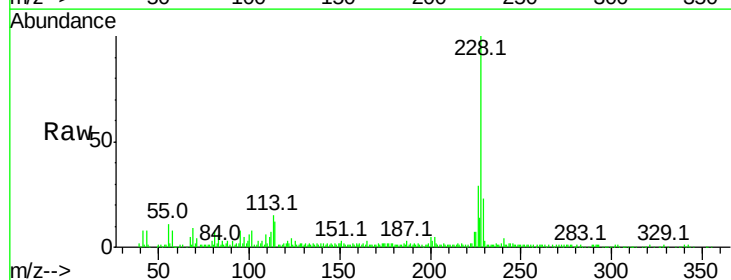
Instrument :
BNA_F
ClientSampleId :

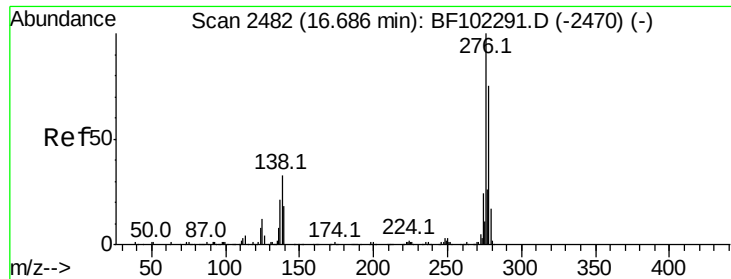
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	33.8
229	21.0	15.8	23.6



#82
Chrysene
Concen: 5.094 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102576.D
Acq: 28 Jan 2018 23:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.0	37.6
229	22.6	16.2	24.4

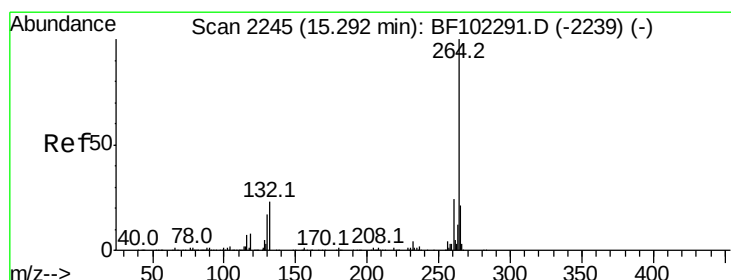
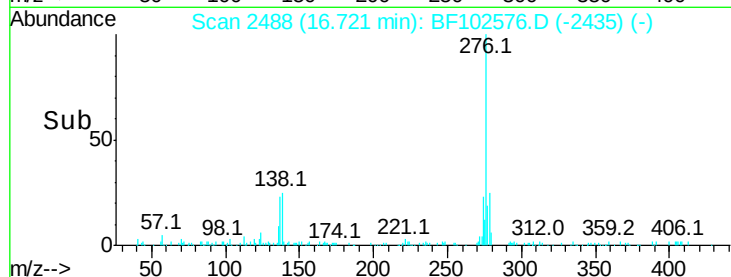
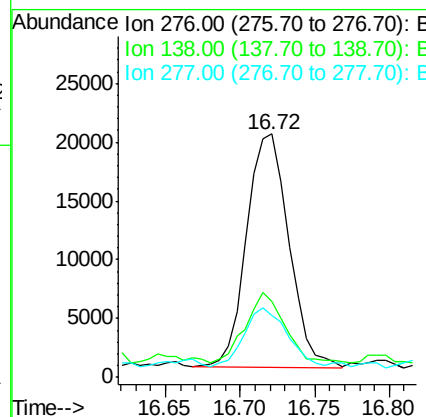
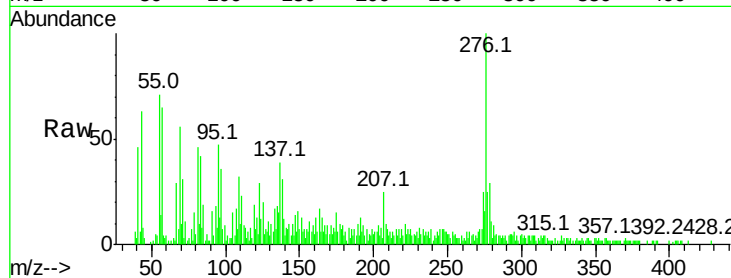




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.503 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF102576.D
Acq: 28 Jan 2018 23:45

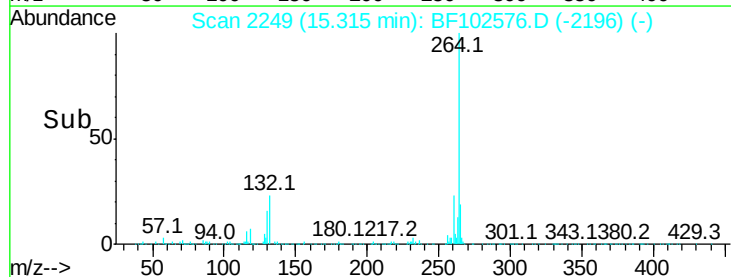
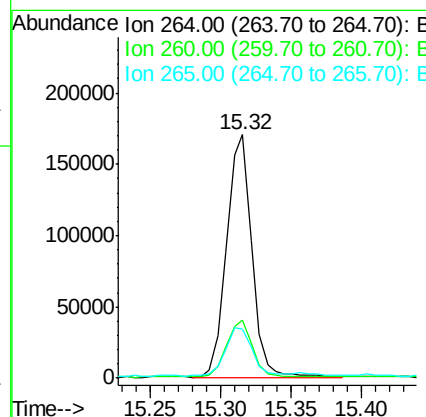
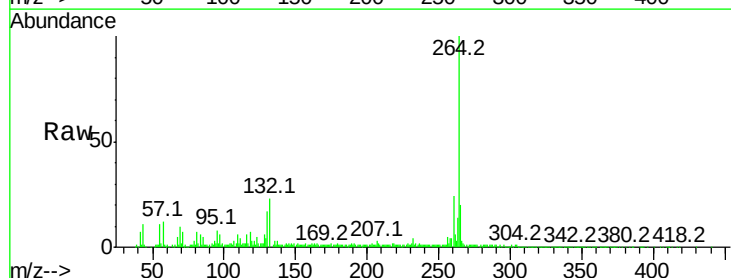
Instrument :
BNA_F
ClientSampled :

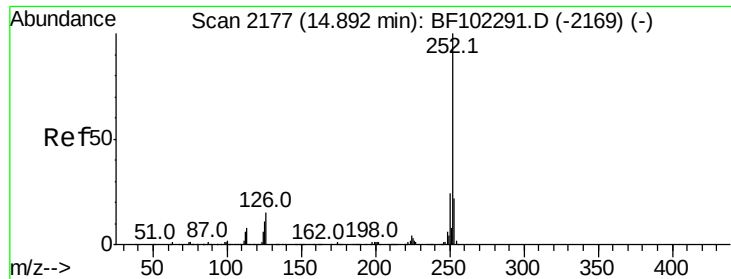
Tot Ion:276 Resp: 38795
Ion Ratio Lower Upper
276 100
138 28.5 25.0 37.6
277 25.3 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF102576.D
Acq: 28 Jan 2018 23:45

Tgt Ion:264 Resp: 210819
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 20.2 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 10.512 ng

RT: 14.90 min Scan# 2179

Delta R.T. 0.01 min

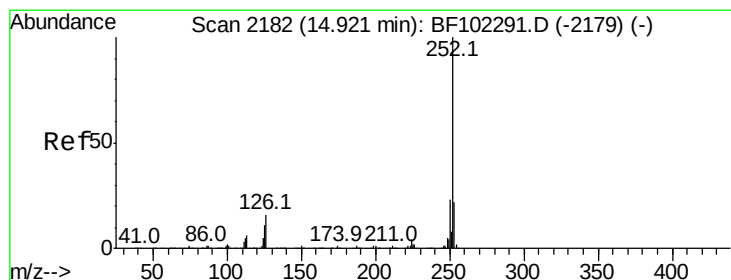
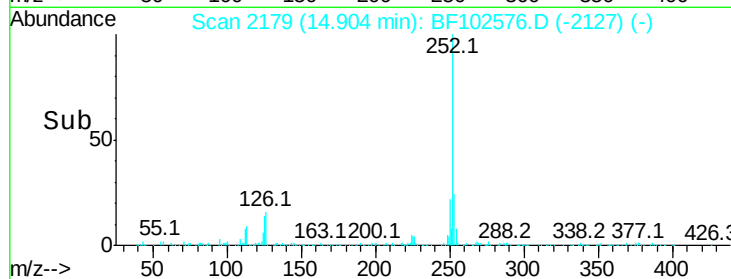
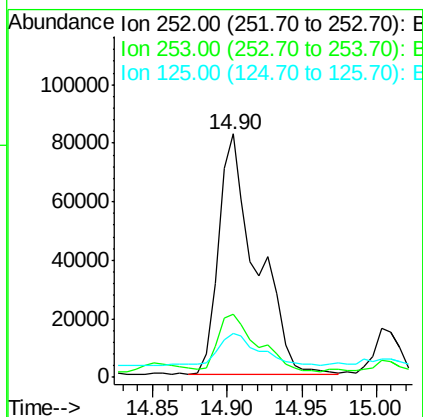
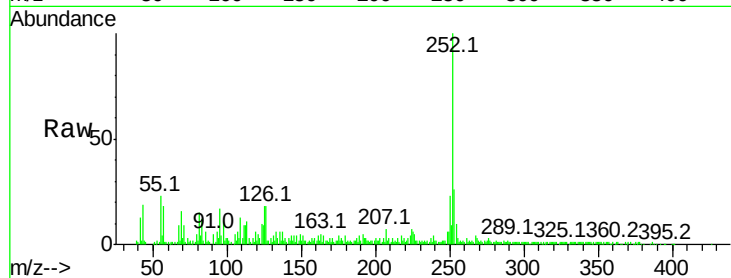
Lab File: BF102576.D

Acq: 28 Jan 2018 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 143641

Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.0	25.6#
125	18.2	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 11.127 ng

RT: 14.90 min Scan# 2179

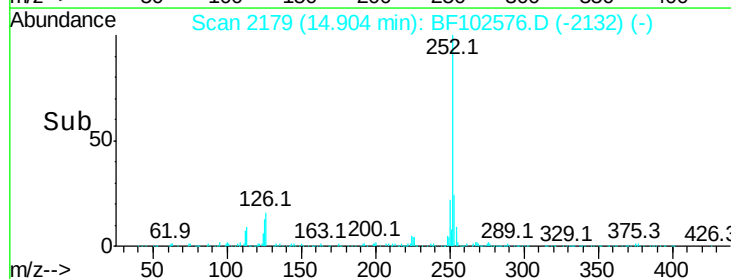
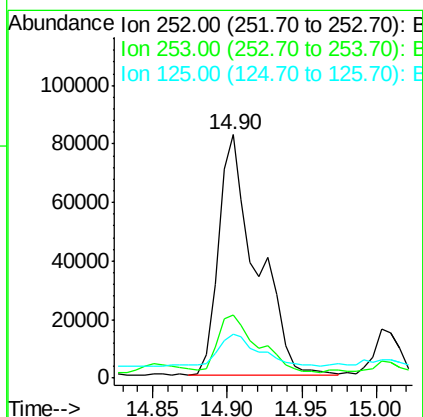
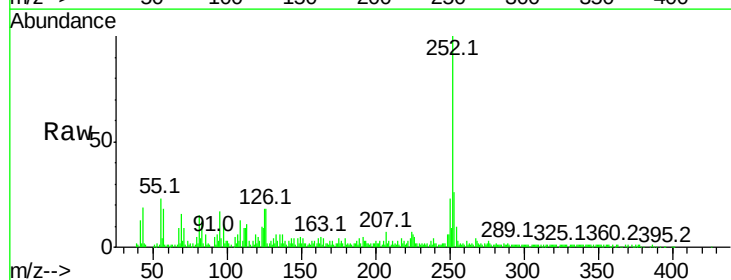
Delta R.T. -0.02 min

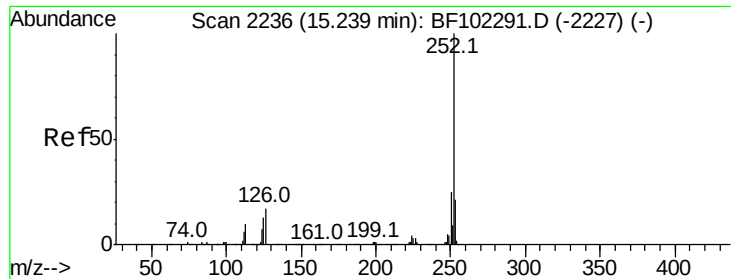
Lab File: BF102576.D

Acq: 28 Jan 2018 23:45

Tgt Ion:252 Resp: 143641

Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	18.2	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 5.758 ng

RT: 15.26 min Scan# 2239

Delta R.T. 0.01 min

Lab File: BF102576.D

Acq: 28 Jan 2018 23:45

Instrument :

BNA_F

ClientSampleId :

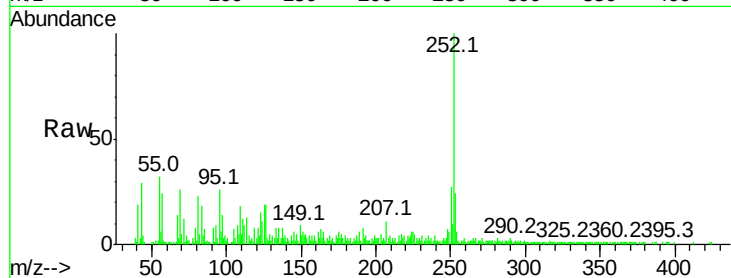
Tot Ion:252 Resp: 70964

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

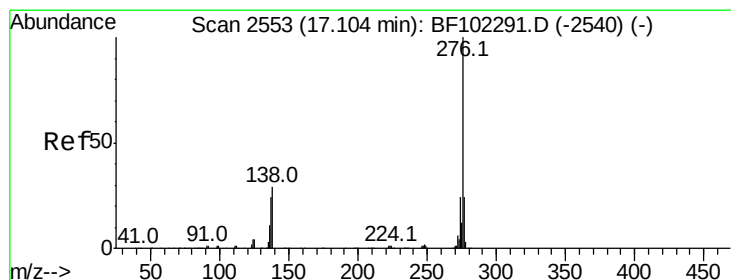
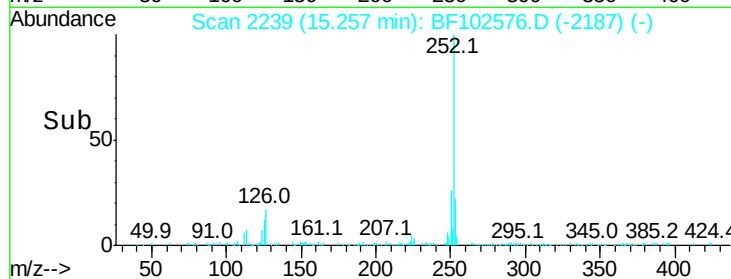
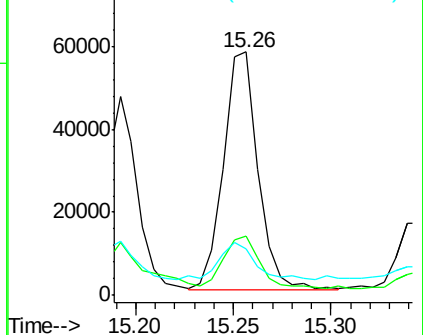
125 19.1 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 3.887 ng

RT: 17.15 min Scan# 2561

Delta R.T. 0.02 min

Lab File: BF102576.D

Acq: 28 Jan 2018 23:45

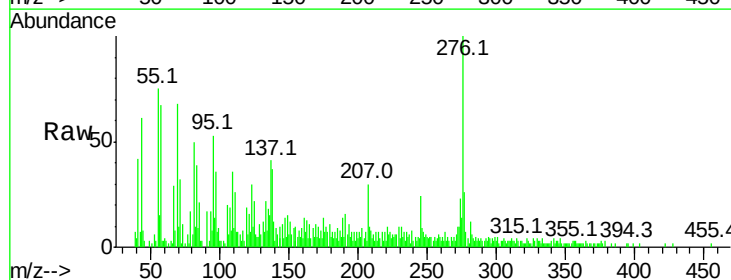
Tgt Ion:276 Resp: 38315

Ion Ratio Lower Upper

276 100

277 26.3 17.9 26.9

138 37.4 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

