

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102437.D
 Acq On : 25 Jan 2018 21:32
 Operator : SJ/JU
 Sample : J1256-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 00:23:36 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

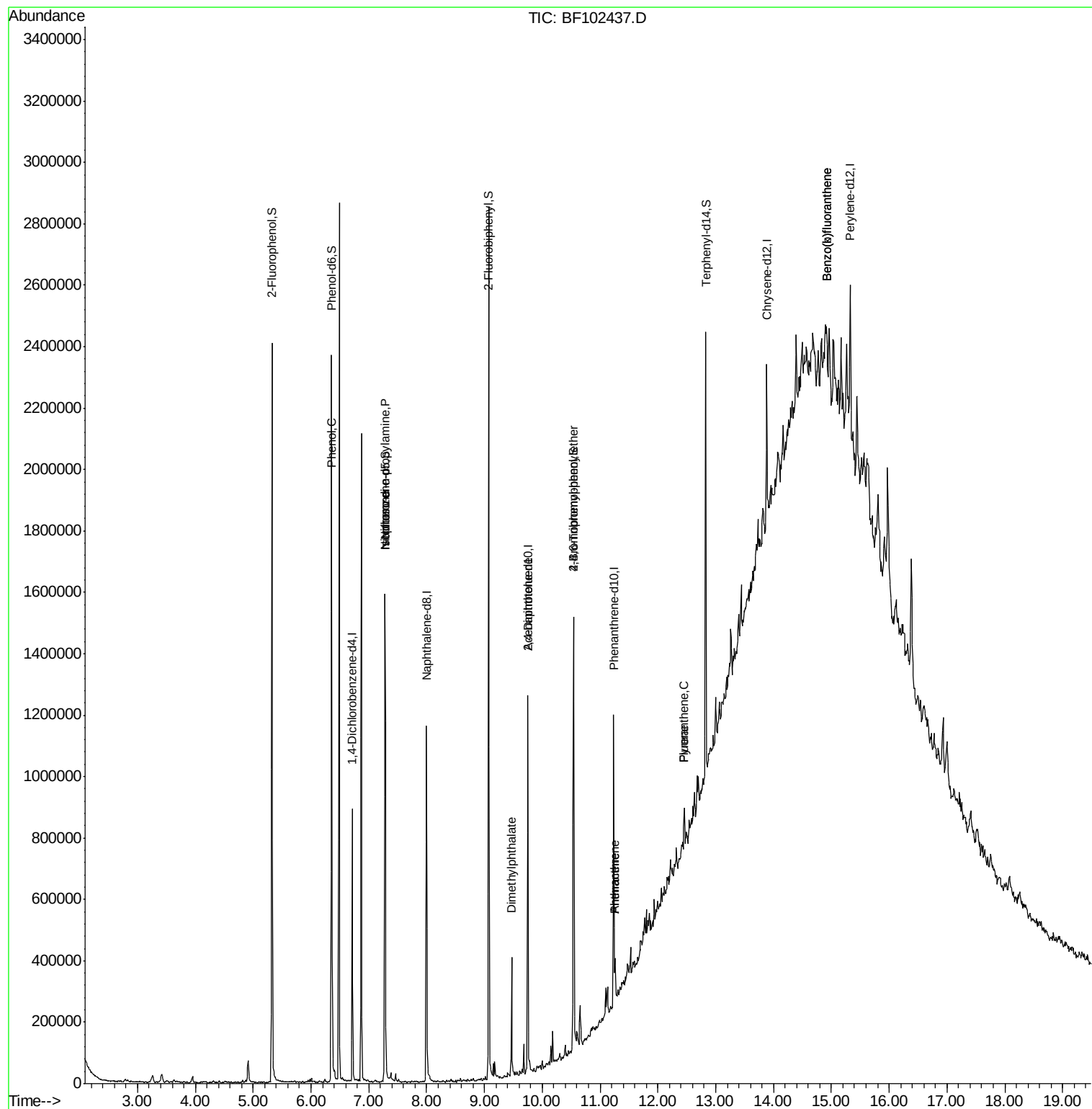
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	129028	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	527393	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	231980	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	357709	20.00	ng	0.00
75) Chrysene-d12	13.88	240	206963	20.00	ng	0.00
86) Perylene-d12	15.33	264	194271	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	722415	84.89	ng	0.00
7) Phenol-d6	6.36	99	880991	85.87	ng	-0.01
23) Nitrobenzene-d5	7.28	82	532659	58.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	167915	73.05	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	858284	54.40	ng	0.00
78) Terphenyl-d14	12.83	244	565700	61.62	ng	0.00
Target Compounds						
10) Phenol	6.37	94	43821	3.913	ng	94
19) n-Nitroso-di-n-propylamine	7.28	70	70544	11.236	ng	# 81
25) Isophorone	7.28	82	529156	32.343	ng	# 64
49) Dimethylphthalate	9.47	163	147336	7.684	ng	100
56) 2,4-Dinitrotoluene	9.75	165	30459	5.991	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	12547	3.258	ng	# 1
70) Phenanthrene	11.26	178	50801	2.437	ng	97
71) Anthracene	11.26	178	50801	2.388	ng	96
74) Fluoranthene	12.45	202	58353	2.745	ng	95
77) Pyrene	12.45	202	58353	3.647	ng	96
87) Benzo(b)fluoranthene	14.91	252	31955	2.538	ng	# 1
88) Benzo(k)fluoranthene	14.91	252	31955	2.686	ng	# 1

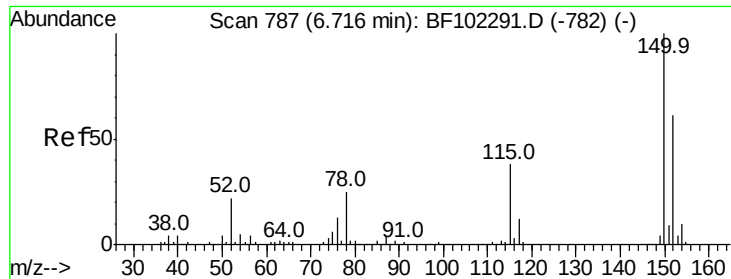
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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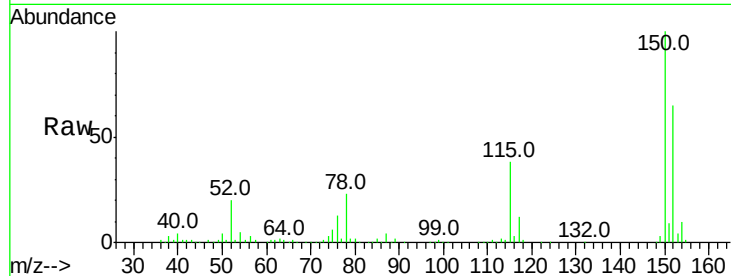


#1

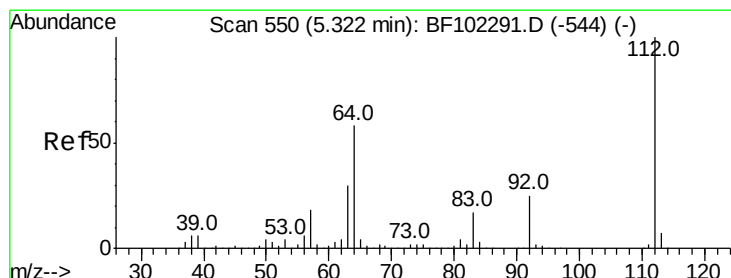
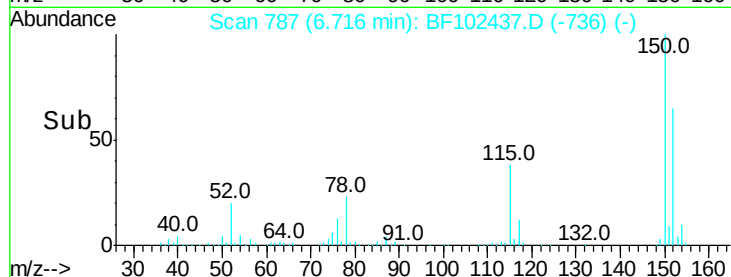
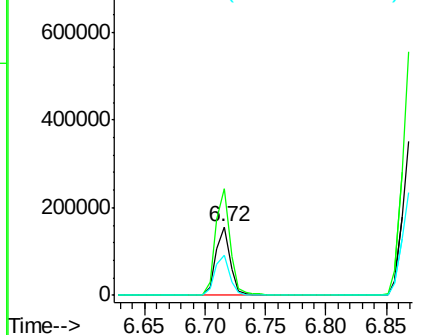
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102437.D
Acq: 25 Jan 2018 21:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 129028
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 58.1 50.1 75.1



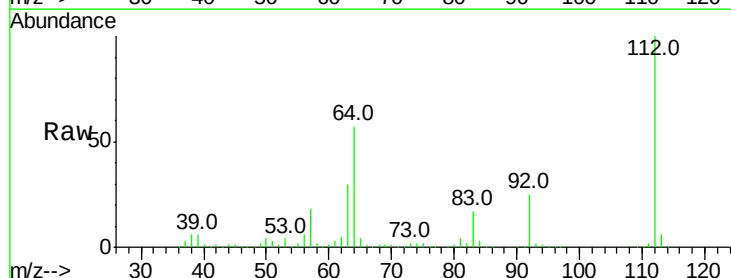
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



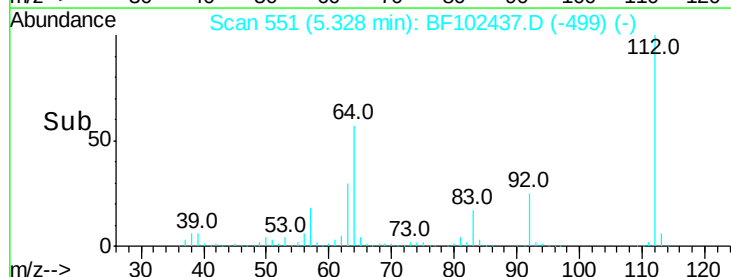
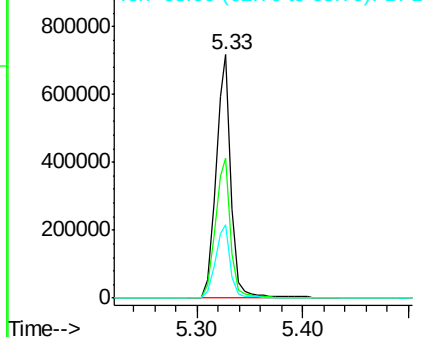
#5

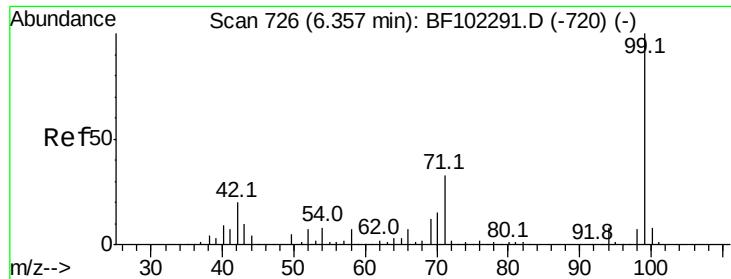
2-Fluorophenol
Concen: 84.894 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102437.D
Acq: 25 Jan 2018 21:32

Tgt Ion:112 Resp: 722415
Ion Ratio Lower Upper
112 100
64 57.4 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: 85.874 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102437.D

Acq: 25 Jan 2018 21:32

Instrument :

BNA_F

ClientSampled :

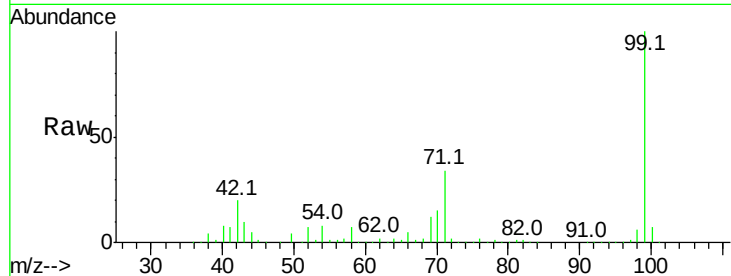
Tot Ion: 99 Resp: 880991

Ion Ratio Lower Upper

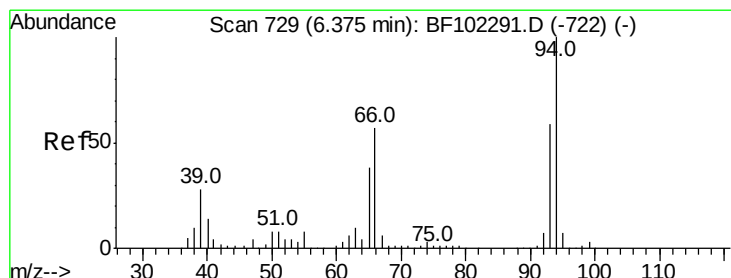
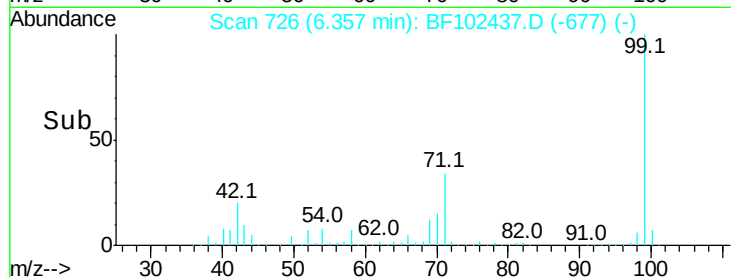
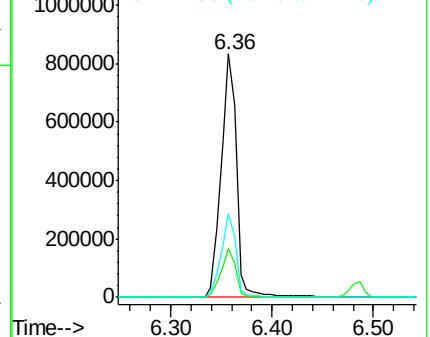
99 100

42 19.9 14.5 21.7

71 34.3 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: 3.913 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102437.D

Acq: 25 Jan 2018 21:32

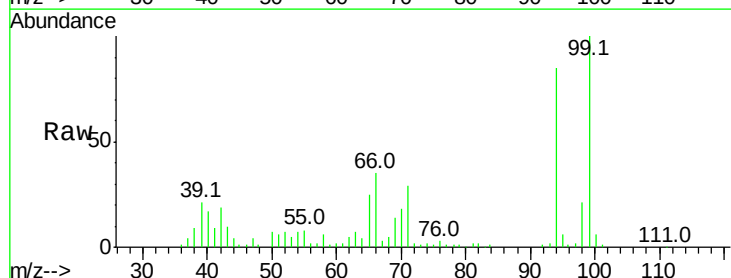
Tgt Ion: 94 Resp: 43821

Ion Ratio Lower Upper

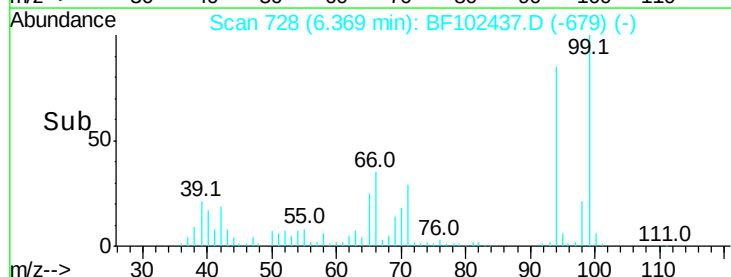
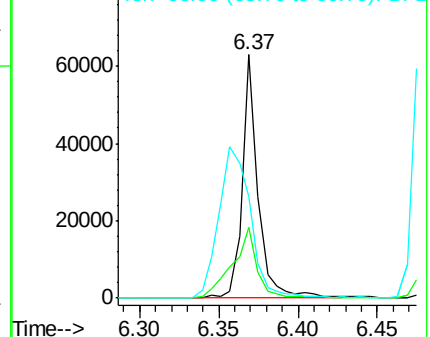
94 100

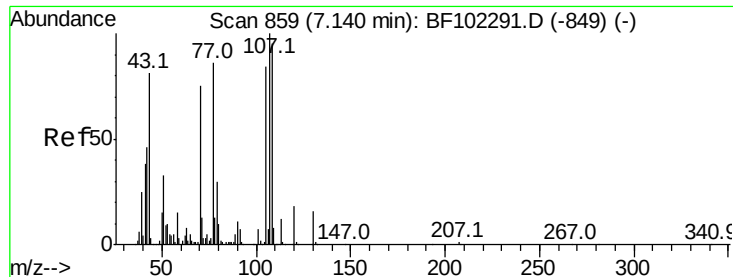
65 29.1 7.9 47.9

66 41.4 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

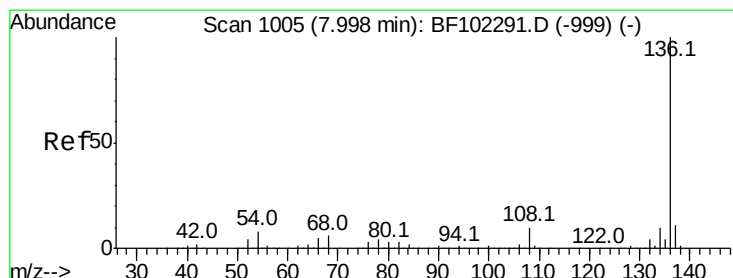
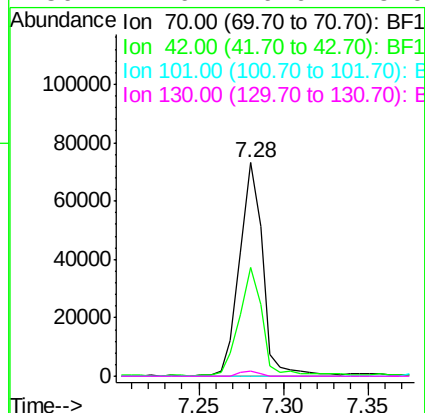
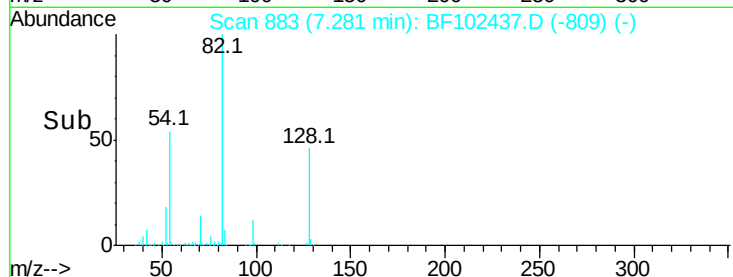
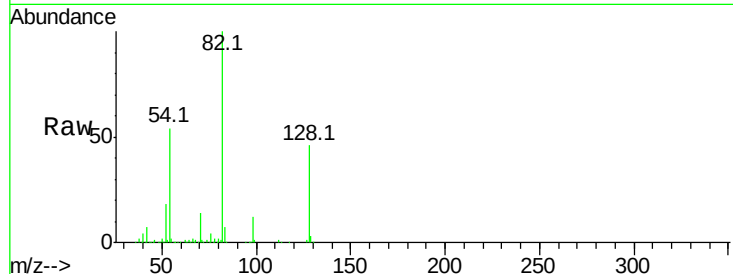




#19
n-Nitroso-di-n-propylamine
Concen: 11.236 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.14 min
Lab File: BF102437.D
Acq: 25 Jan 2018 21:32

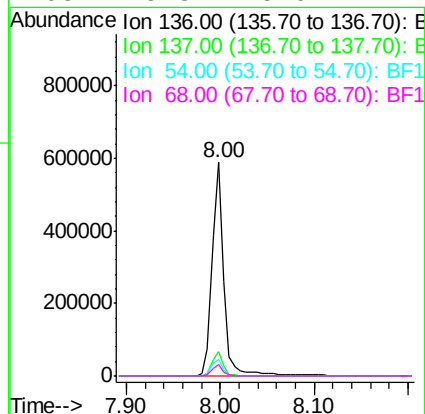
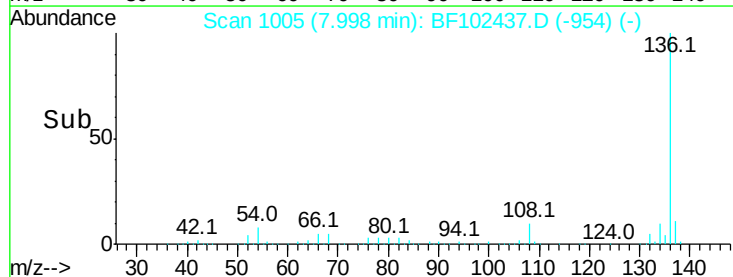
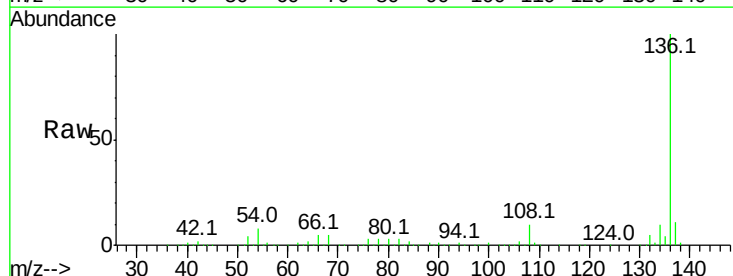
Instrument :
BNA_F
ClientSampleId :

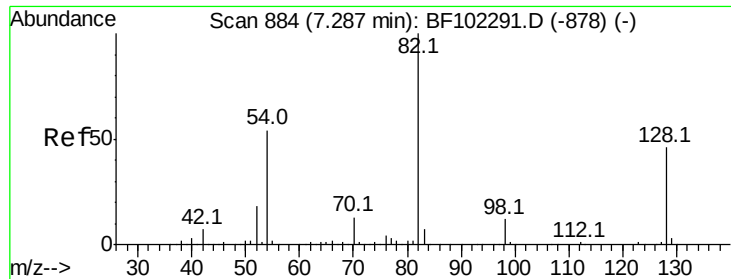
Tot Ion: 70 Resp: 70544
Ion Ratio Lower Upper
70 100
42 51.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102437.D
Acq: 25 Jan 2018 21:32

Tgt Ion:136 Resp: 527393
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 7.7 6.6 9.8
68 5.3 5.0 7.4

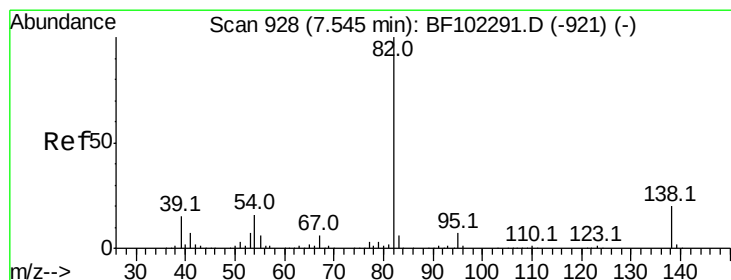
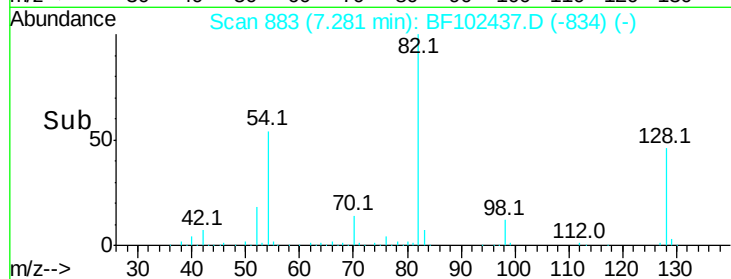
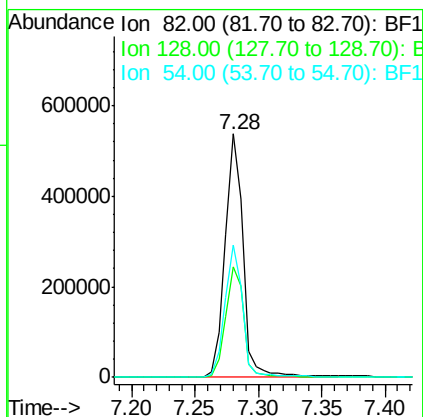
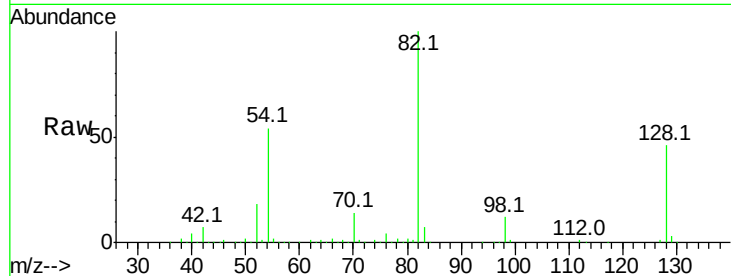




#23
 Nitrobenzene-d5
 Concen: 58.041 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102437.D
 Acq: 25 Jan 2018 21:32

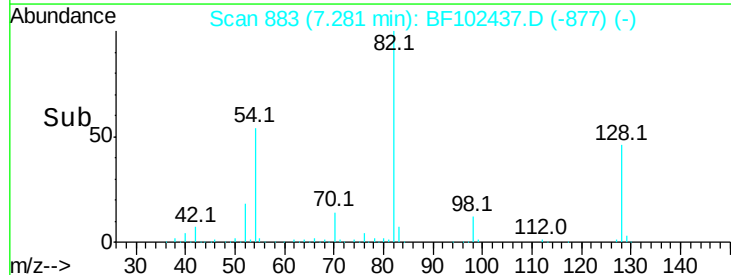
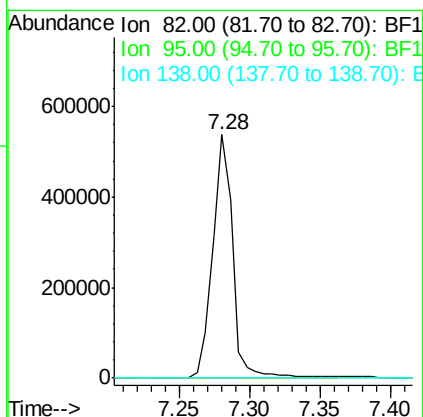
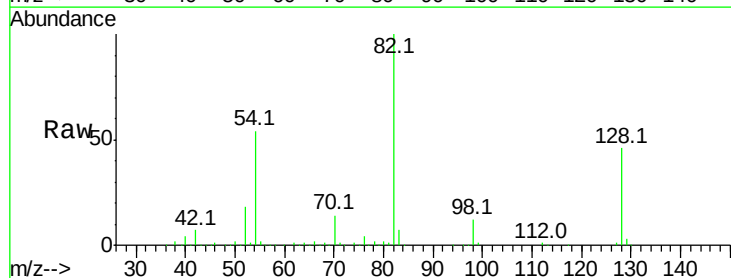
Instrument :
 BNA_F
 ClientSampled :

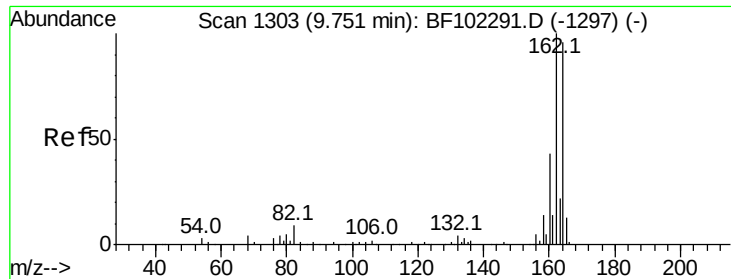
Tot Ion	82	Resp	532659
Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	54.1	41.4	62.2



#25
 Isophorone
 Concen: 32.343 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF102437.D
 Acq: 25 Jan 2018 21:32

Tgt Ion	82	Resp	529156
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# 1303

Delta R.T. -0.01 min

Lab File: BF102437.D

Acq: 25 Jan 2018 21:32

Instrument :

BNA_F

ClientSampleId :

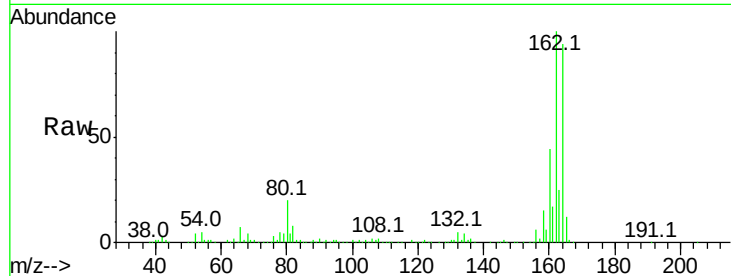
Tot Ion:164 Resp: 231980

Ion Ratio Lower Upper

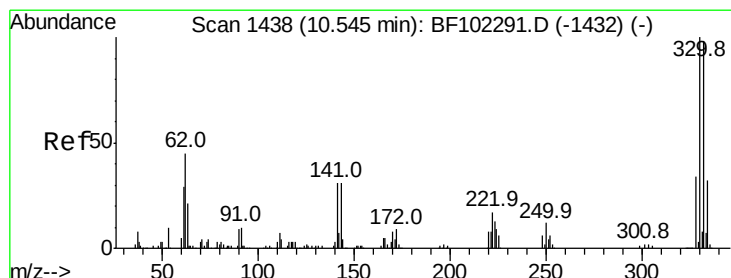
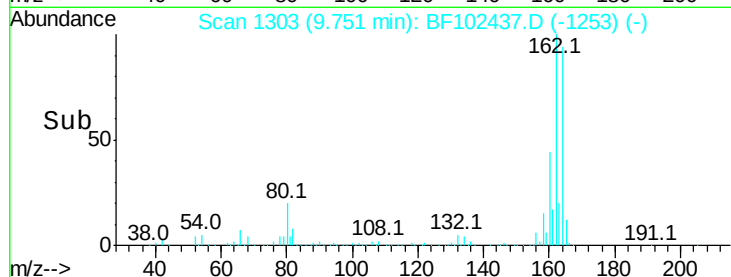
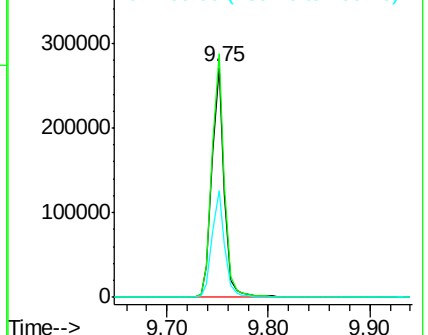
164 100

162 105.9 86.1 129.1

160 46.1 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: 73.051 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102437.D

Acq: 25 Jan 2018 21:32

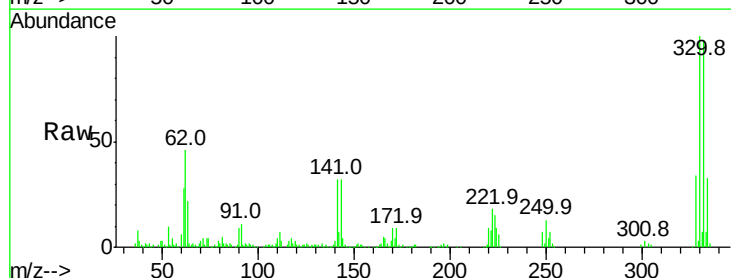
Tgt Ion:330 Resp: 167915

Ion Ratio Lower Upper

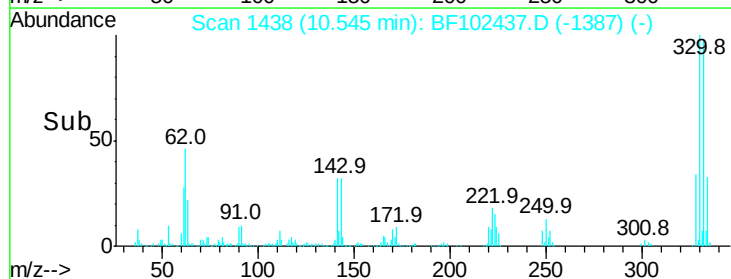
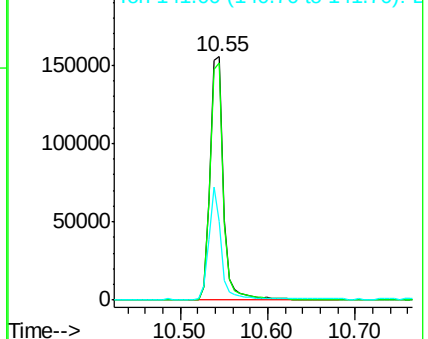
330 100

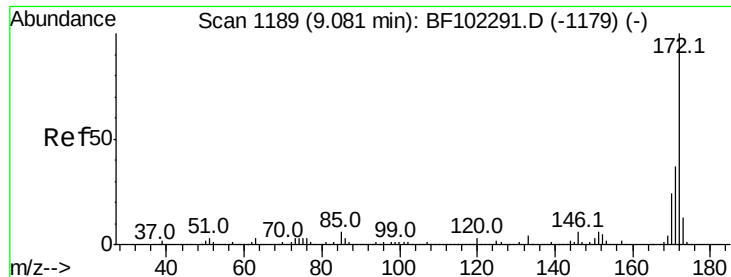
332 96.4 77.0 115.6

141 41.8 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

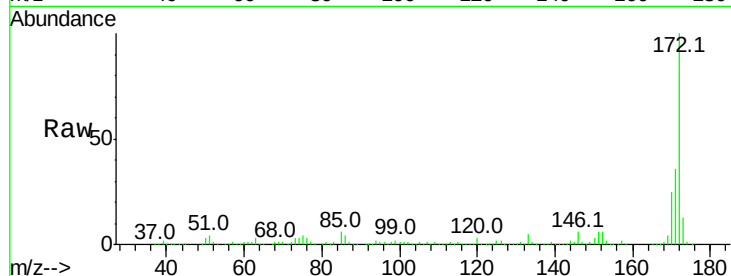




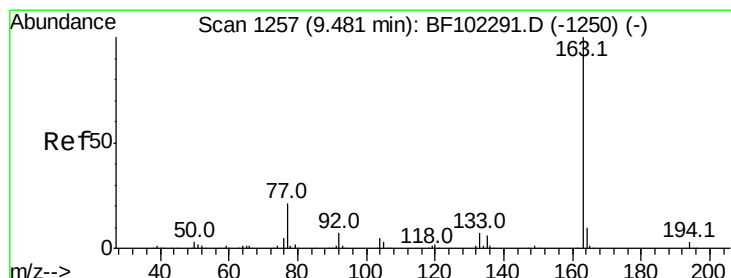
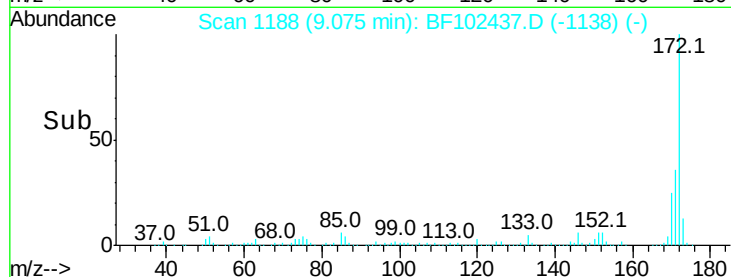
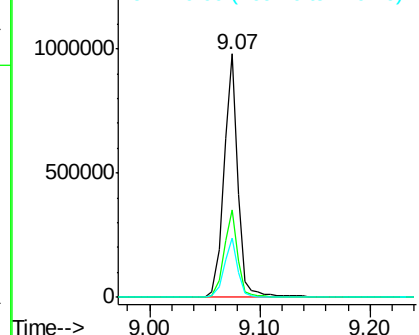
#44
2-Fluorobiphenyl
Concen: 54.400 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102437.D
Acq: 25 Jan 2018 21:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 858284
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.5 19.6 29.4

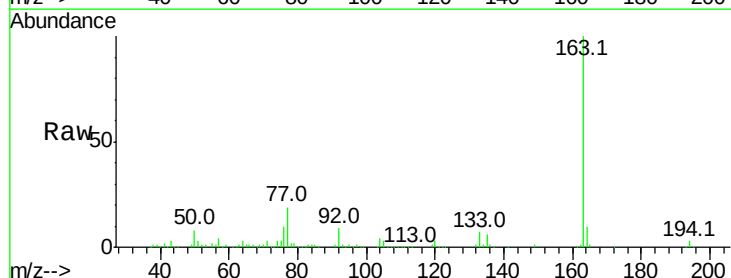


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

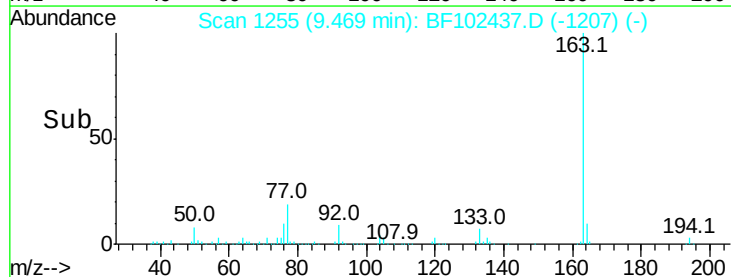
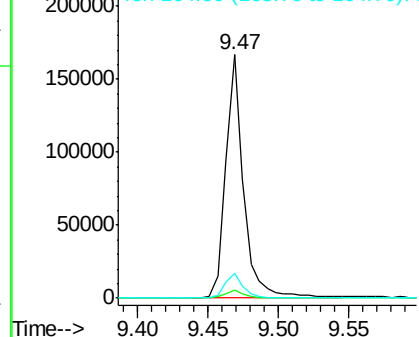


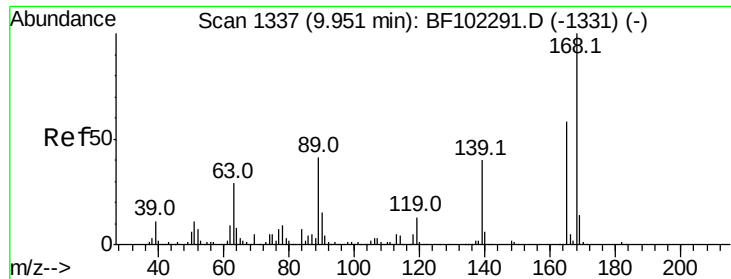
#49
Dimethylphthalate
Concen: 7.684 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102437.D
Acq: 25 Jan 2018 21:32

Tgt Ion:163 Resp: 147336
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.0 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

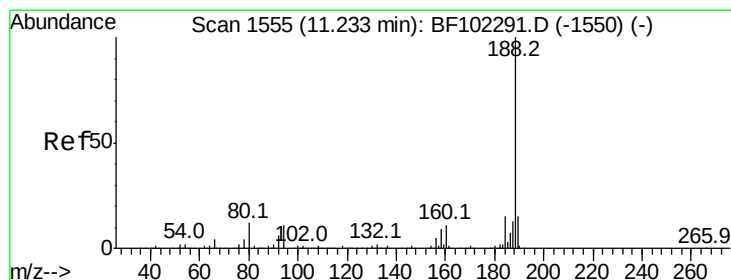
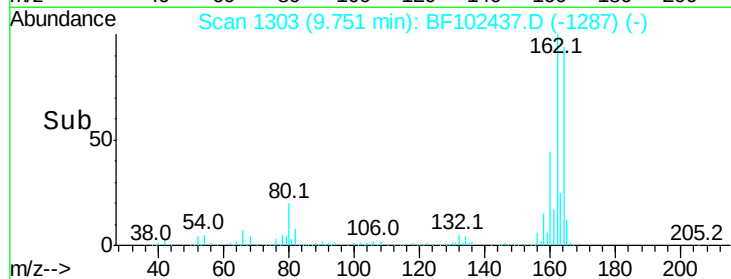
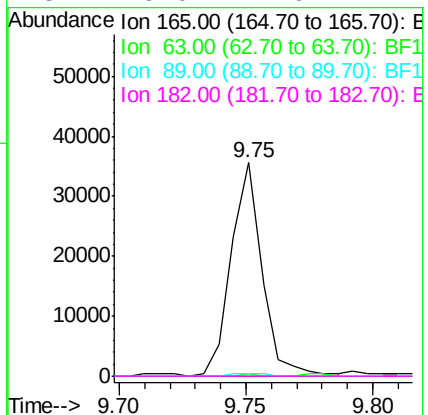
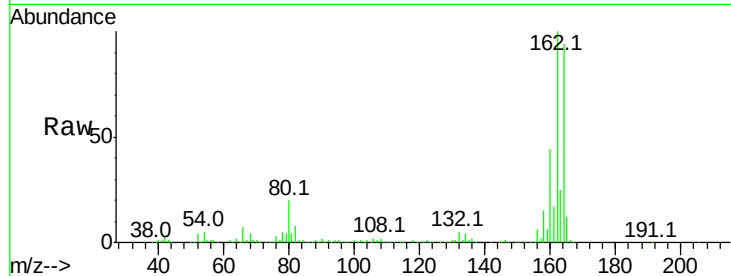




#56
 2,4-Dinitrotoluene
 Concen: 5.991 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF102437.D
 Acq: 25 Jan 2018 21:32

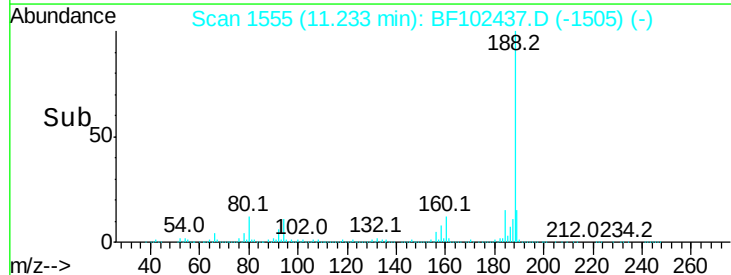
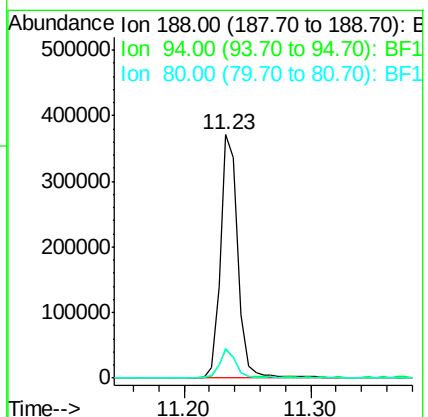
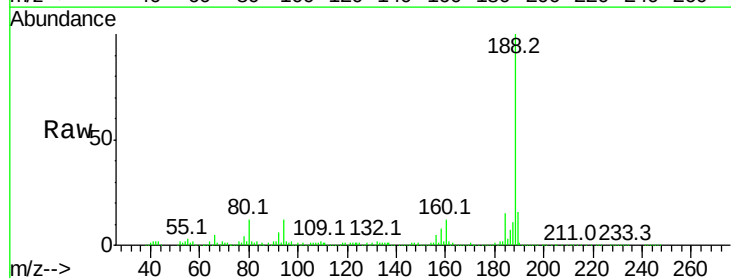
Instrument :
 BNA_F
 ClientSampleId :

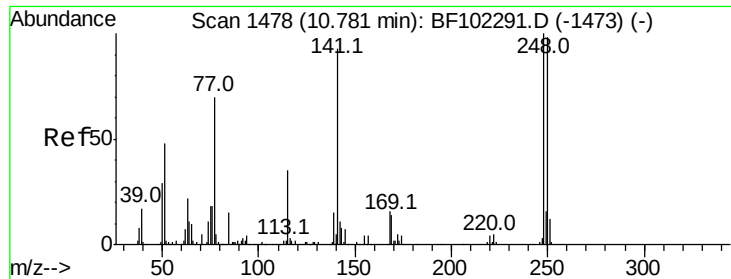
Tot Ion:	165	Resp:	30459
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102437.D
 Acq: 25 Jan 2018 21:32

Tgt Ion:	188	Resp:	357709
Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	12.4	9.2	13.8

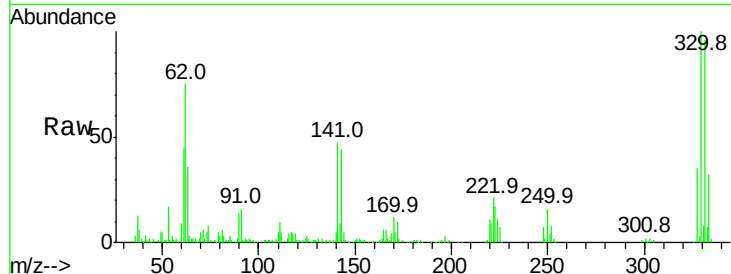




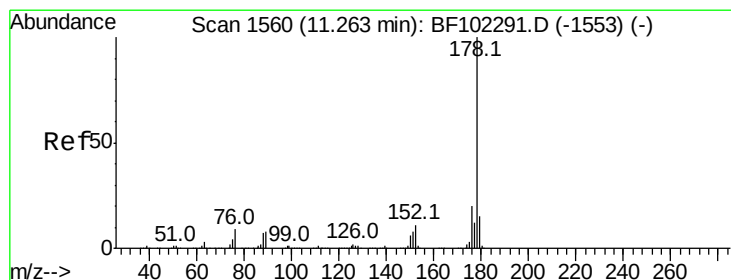
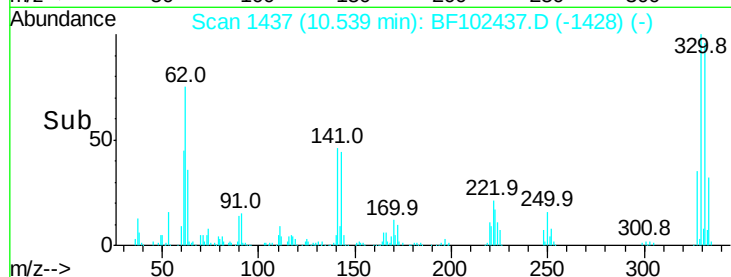
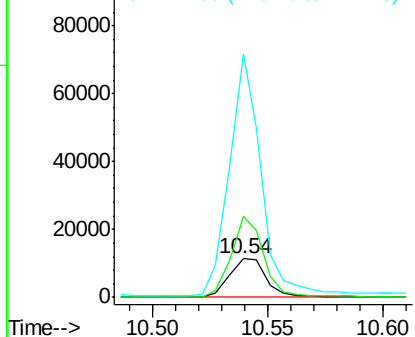
#66
4-Bromophenyl-phenylether
Concen: 3.258 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF102437.D
Acq: 25 Jan 2018 21:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12547
Ion Ratio Lower Upper
248 100
250 209.1 76.9 115.3#
141 631.6 74.4 111.6#

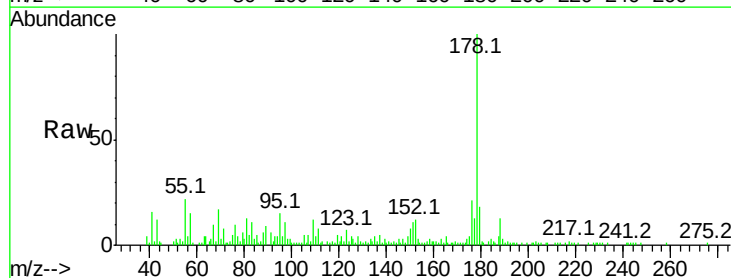


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

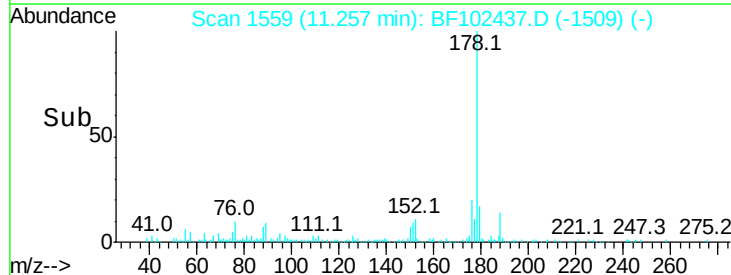
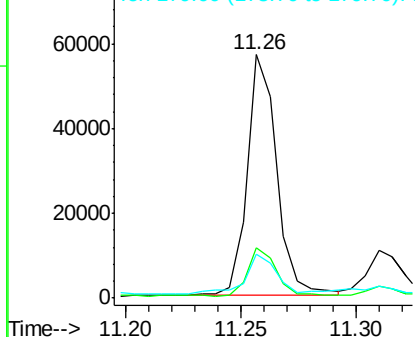


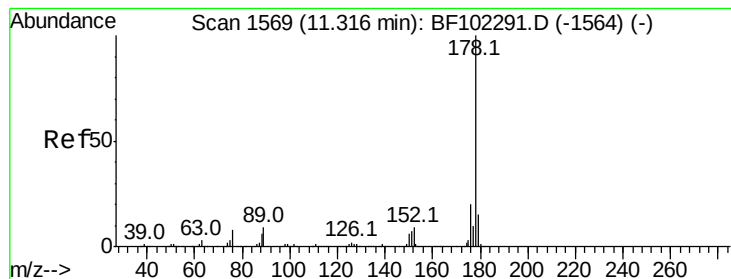
#70
Phenanthrene
Concen: 2.437 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102437.D
Acq: 25 Jan 2018 21:32

Tgt Ion:178 Resp: 50801
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.8
179 18.2 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





#71

Anthracene

Concen: 2.388 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.06 min

Lab File: BF102437.D

Acq: 25 Jan 2018 21:32

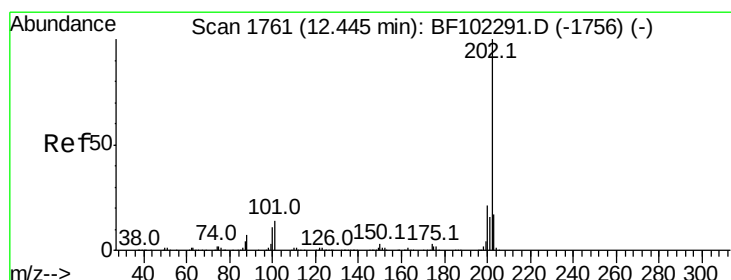
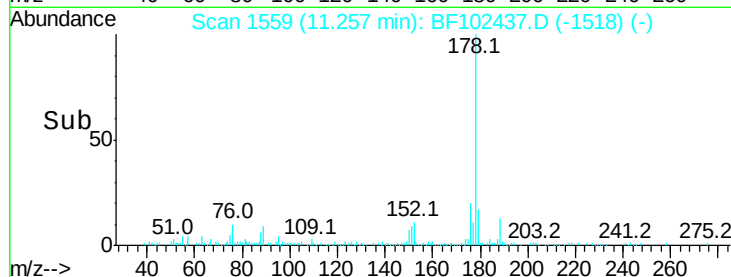
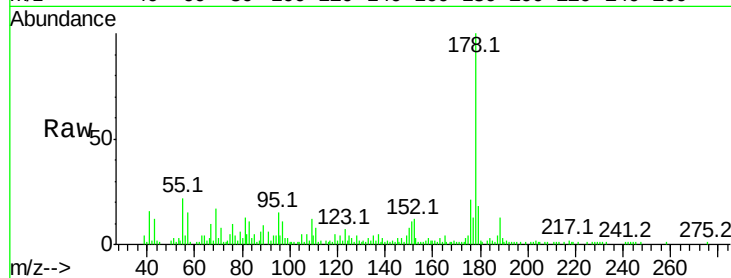
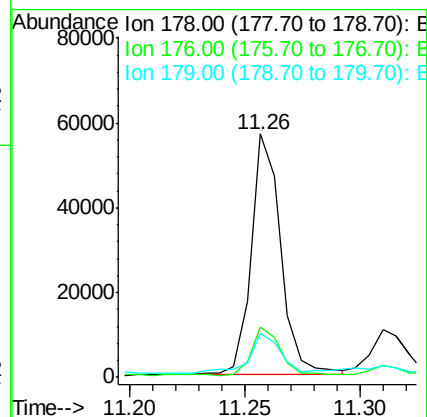
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 50801

Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.4	23.2
179	18.2	12.6	19.0



#74

Fluoranthene

Concen: 2.745 ng

RT: 12.45 min Scan# 1762

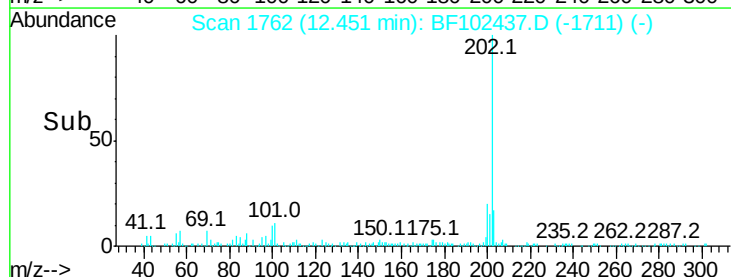
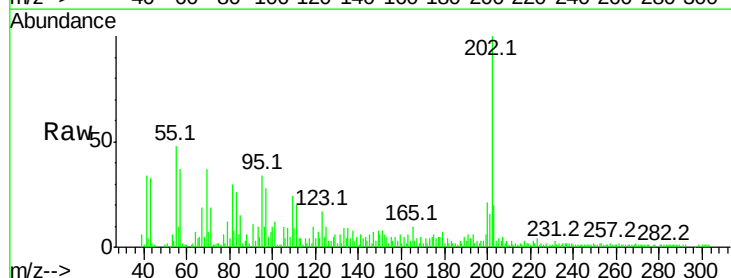
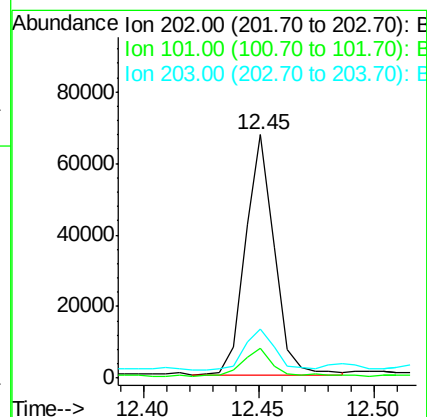
Delta R.T. 0.00 min

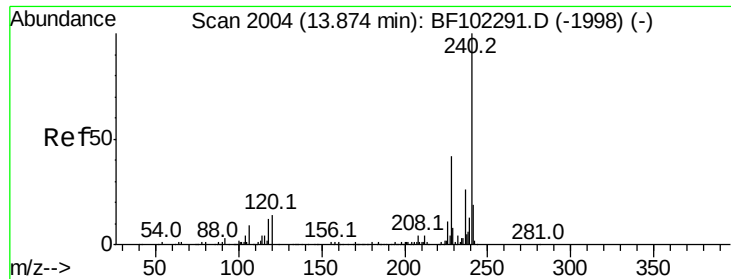
Lab File: BF102437.D

Acq: 25 Jan 2018 21:32

Tgt Ion:202 Resp: 58353

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	20.4	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: BF102437.D

Acq: 25 Jan 2018 21:32

Instrument :

BNA_F

ClientSampleId :

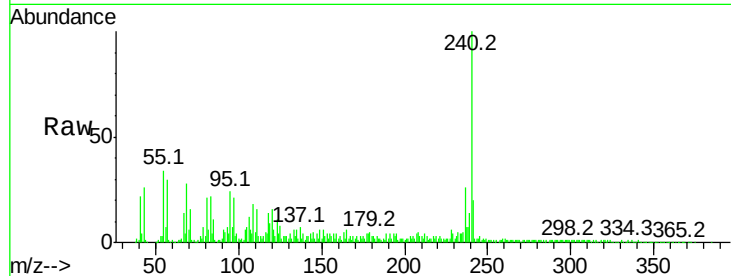
Tot Ion:240 Resp: 206963

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

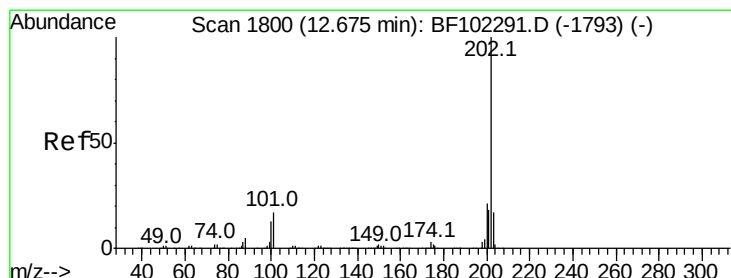
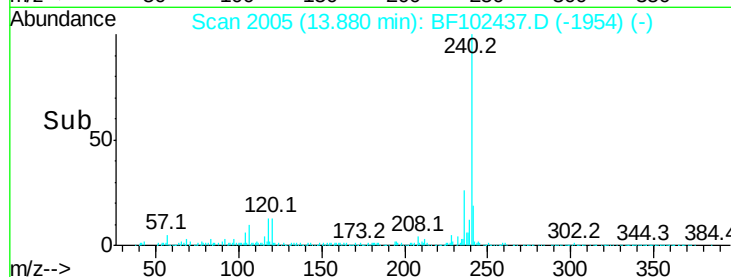
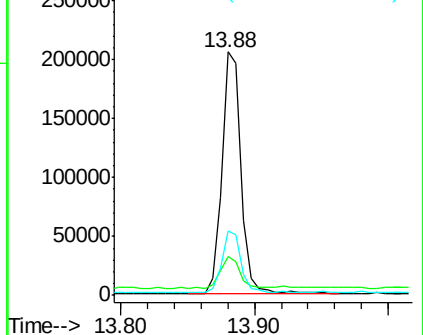
236 26.5 20.7 31.1



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

Pyrene

Concen: 3.647 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.23 min

Lab File: BF102437.D

Acq: 25 Jan 2018 21:32

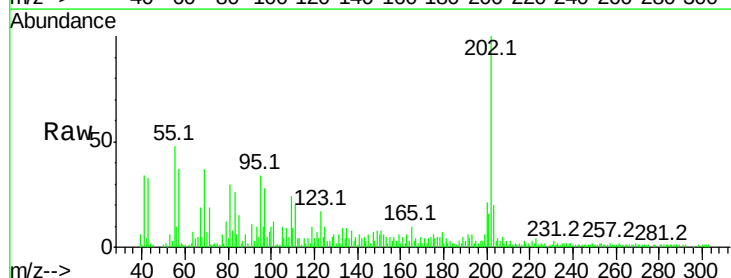
Tgt Ion:202 Resp: 58353

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

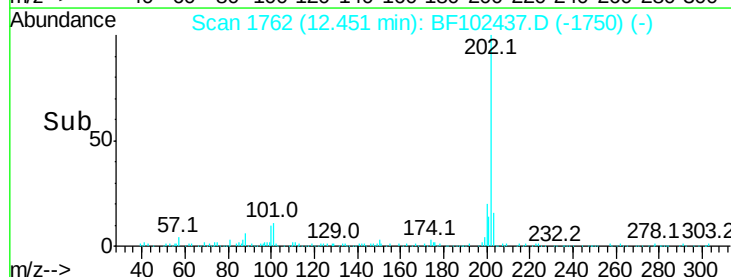
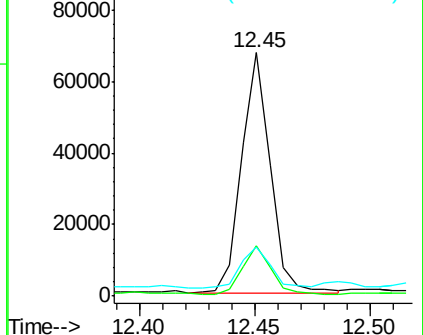
203 20.4 14.3 21.5

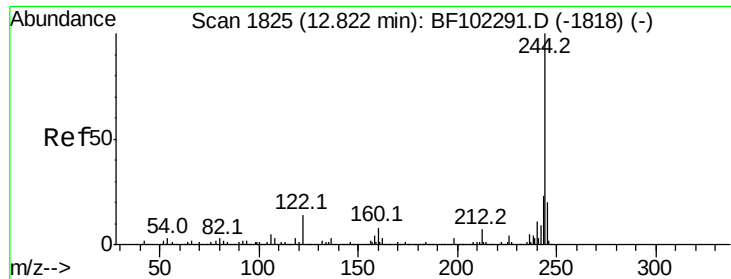


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.619 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102437.D

Acq: 25 Jan 2018 21:32

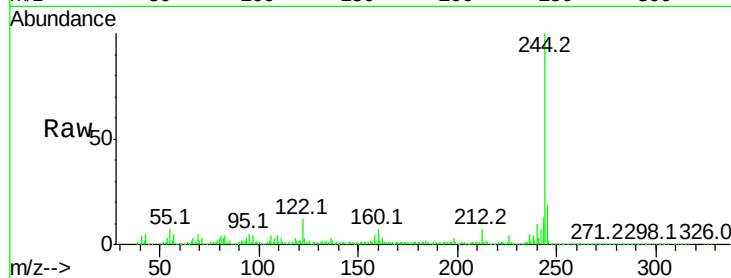
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 565700

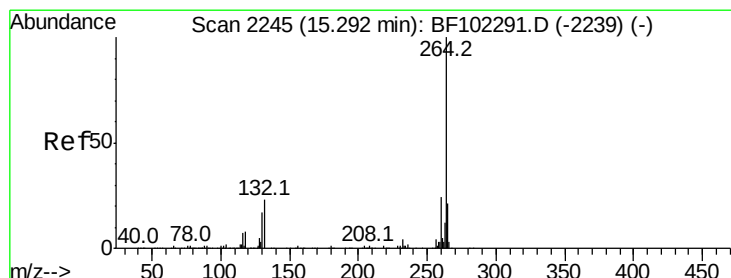
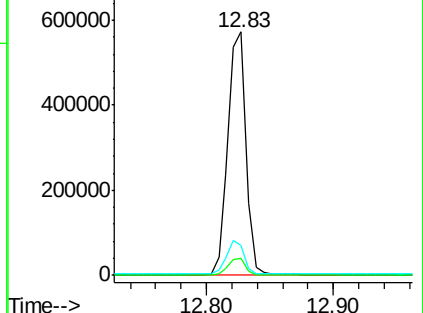
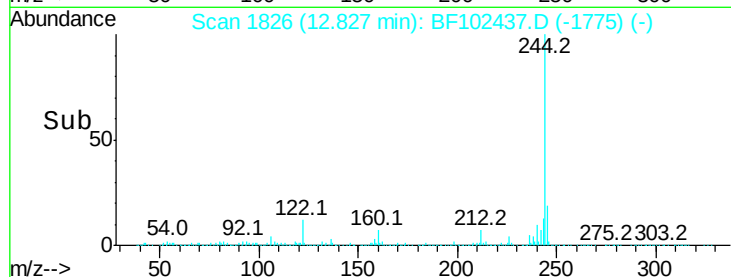
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.3	11.0	16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

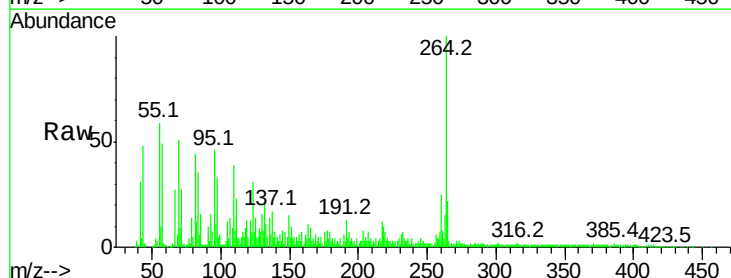
Delta R.T. 0.04 min

Lab File: BF102437.D

Acq: 25 Jan 2018 21:32

Tgt Ion:264 Resp: 194271

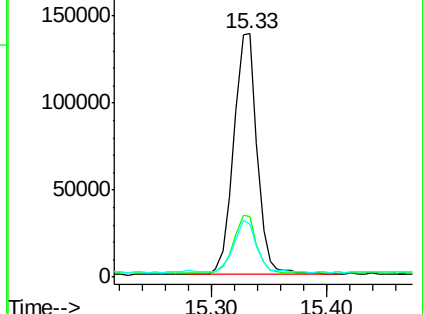
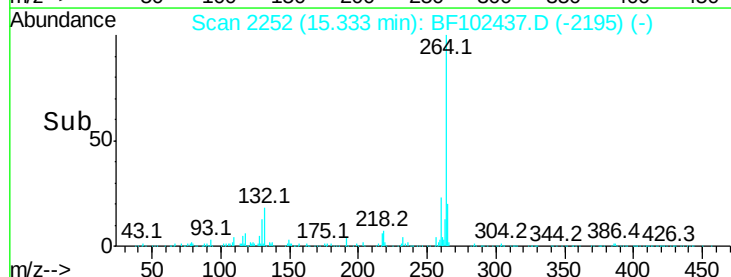
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.7	17.5	26.3

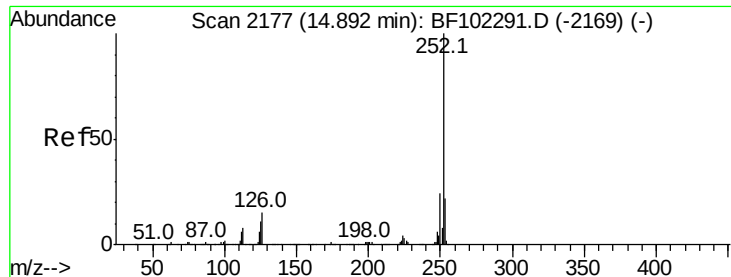


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.538 ng

RT: 14.91 min Scan# 2180

Delta R.T. 0.02 min

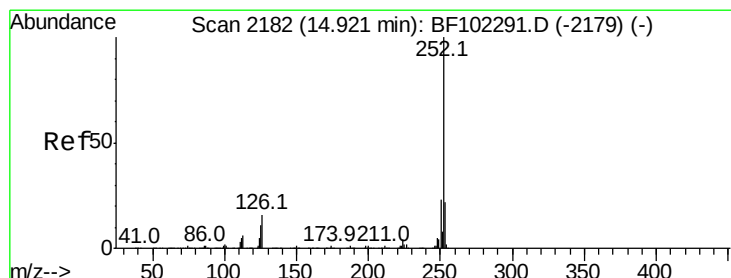
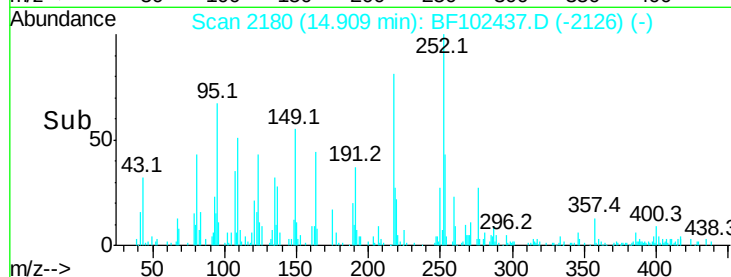
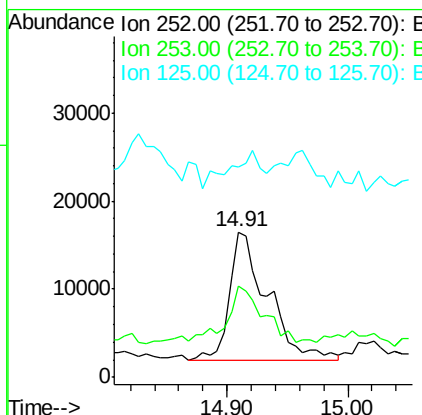
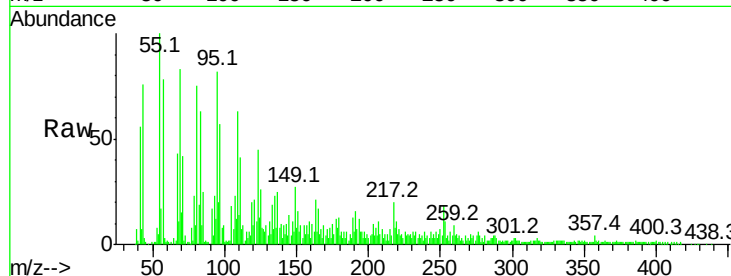
Lab File: BF102437.D

Acq: 25 Jan 2018 21:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 31955

Ion	Ratio	Lower	Upper
252	100		
253	62.4	17.0	25.6#
125	145.0	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 2.686 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF102437.D

Acq: 25 Jan 2018 21:32

Tgt Ion:252 Resp: 31955

Ion	Ratio	Lower	Upper
252	100		
253	62.4	17.9	26.9#
125	145.0	10.2	15.2#

