

Data Path : U:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102573.D
 Acq On : 28 Jan 2018 22:24
 Operator : SJ/JU
 Sample : J1257-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 03:20:17 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	151807	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	604321	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	238496	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	304763	20.00	ng	0.00
75) Chrysene-d12	13.89	240	199264	20.00	ng	0.01
86) Perylene-d12	15.34	264	174680	20.00	ng	0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	1064954	106.37	ng	0.00
7) Phenol-d6	6.37	99	1276633	105.77	ng	0.00
23) Nitrobenzene-d5	7.29	82	779156	74.09	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	180964	76.58	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1182177	72.88	ng	0.00
78) Terphenyl-d14	12.83	244	637702	72.15	ng	0.01

Target Compounds

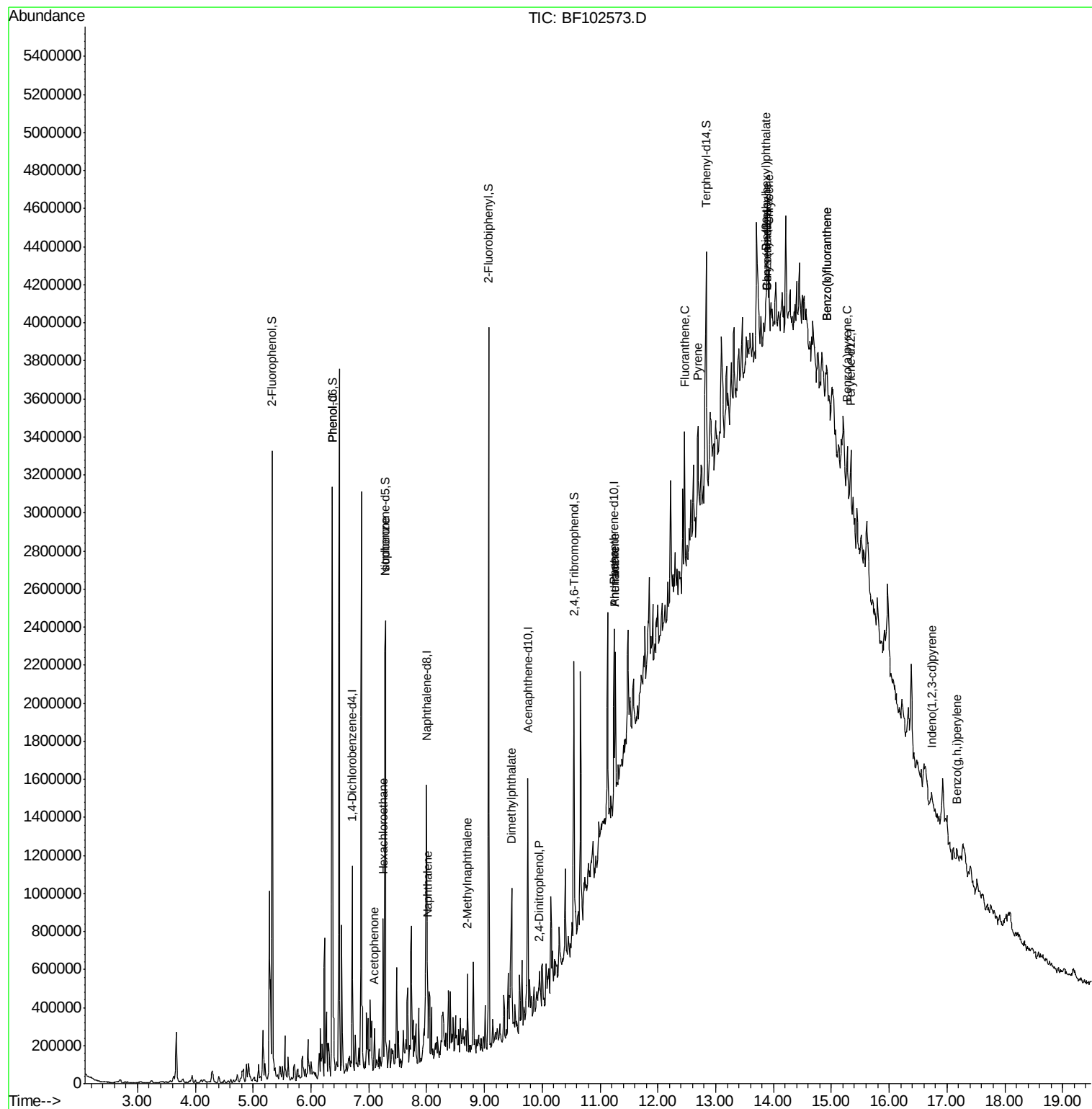
						Qvalue
10) Phenol	6.37	94	55938	4.245	ng	85
18) Hexachloroethane	7.25	117	41698	9.570	ng	# 1
22) Acetophenone	7.10	105	38395	2.665	ng	# 59
25) Isophorone	7.29	82	772315	41.196	ng	# 64
31) Naphthalene	8.02	128	73796	2.446	ng	# 94
37) 2-Methylnaphthalene	8.71	142	110572	5.503	ng	99
49) Dimethylphthalate	9.47	163	182878	9.277	ng	99
53) 2,4-Dinitrophenol	9.94	184	123	3.757	ng	# 1
70) Phenanthrene	11.26	178	270567	15.235	ng	98
71) Anthracene	11.26	178	270567	14.926	ng	98
74) Fluoranthene	12.46	202	304780	16.829	ng	98
77) Pvrene	12.69	202	293393	19.044	ng	99
80) Benzo(a)anthracene	13.89	228	124712	10.166	ng	# 92
82) Chrysene	13.92	228	124785	10.016	ng	# 94
83) Bis(2-ethylhexyl)phthalate	13.86	149	115801	11.239	ng	93
85) Indeno(1,2,3-cd)pyrene	16.74	276	51898	5.044	ng	94
87) Benzo(b)fluoranthene	14.92	252	173589	15.332	ng	# 40
88) Benzo(k)fluoranthene	14.92	252	173589	16.228	ng	# 42
89) Benzo(a)pvrene	15.28	252	91937	9.004	ng	# 46
91) Benzo(a,h,i)perylene	17.17	276	49762	6.093	ng	# 82

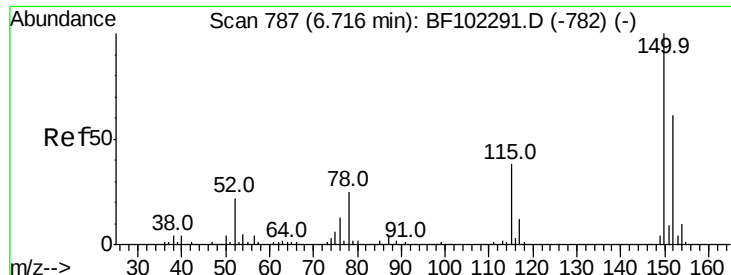
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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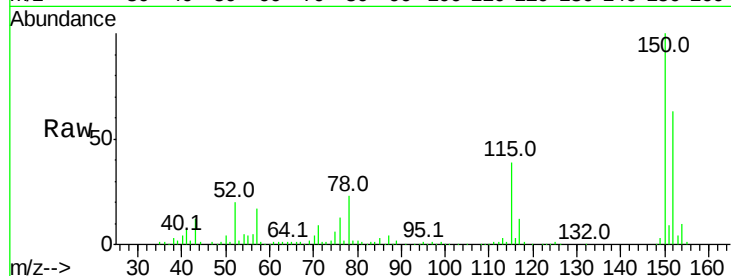


#1

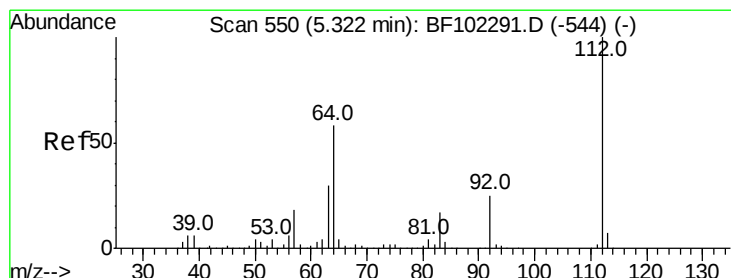
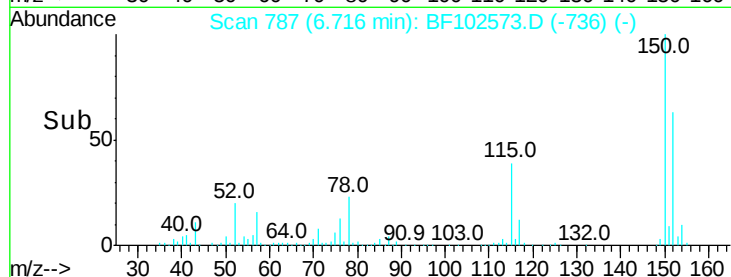
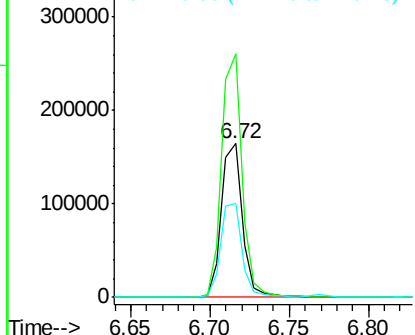
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151807
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 61.2 50.1 75.1



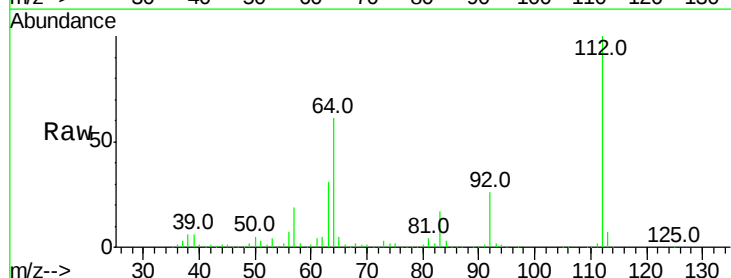
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



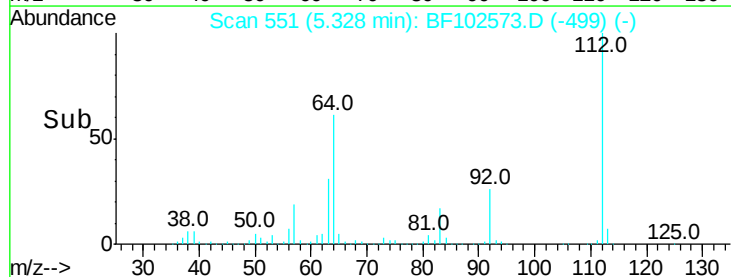
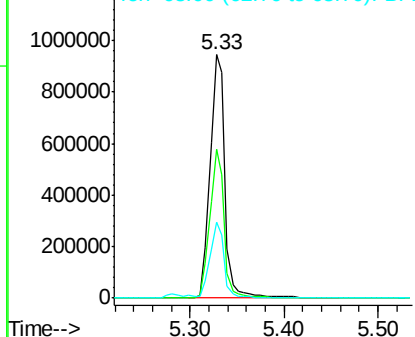
#5

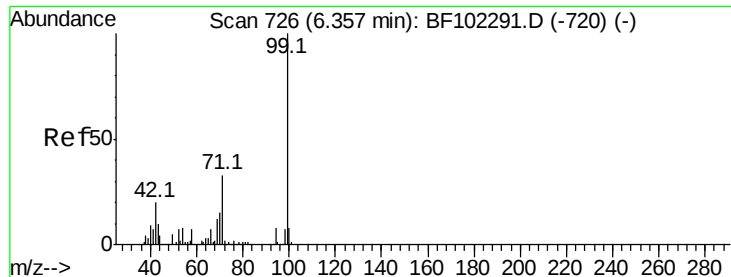
2-Fluorophenol
Concen: 106.368 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Tgt Ion:112 Resp: 1064954
Ion Ratio Lower Upper
112 100
64 61.4 47.9 71.9
63 31.1 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: 105.767 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

ClientSampled :

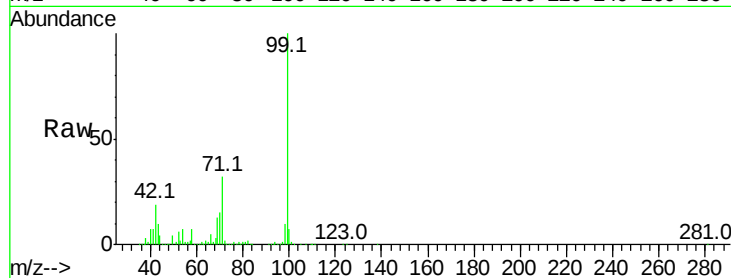
Tot Ion: 99 Resp: 1276633

Ion Ratio Lower Upper

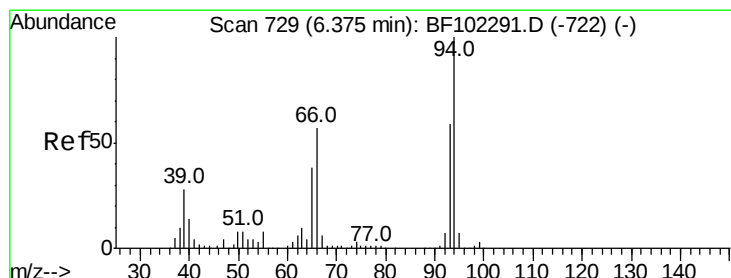
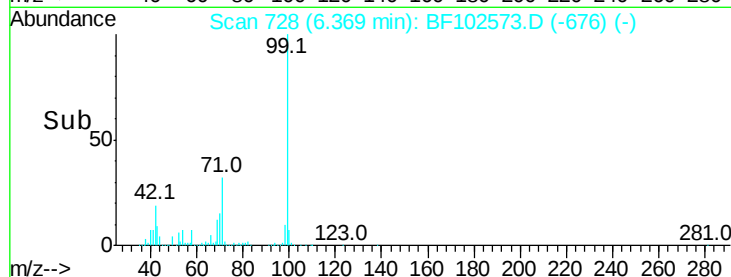
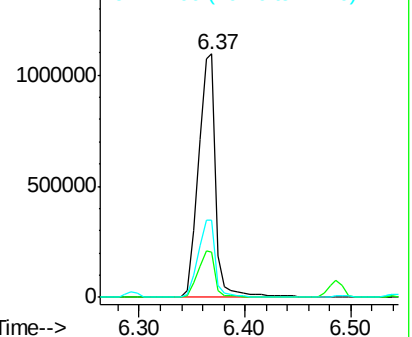
99 100

42 18.7 14.5 21.7

71 31.6 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: 4.245 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

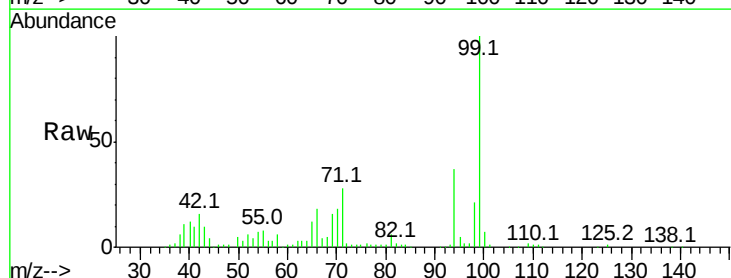
Tgt Ion: 94 Resp: 55938

Ion Ratio Lower Upper

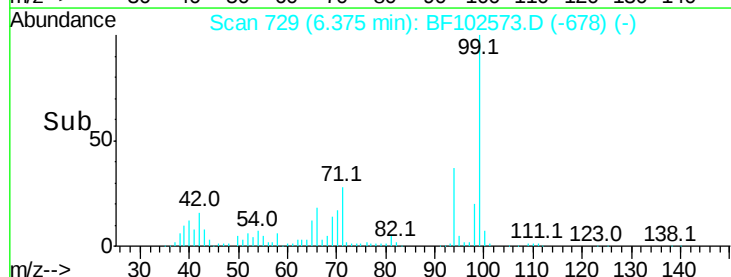
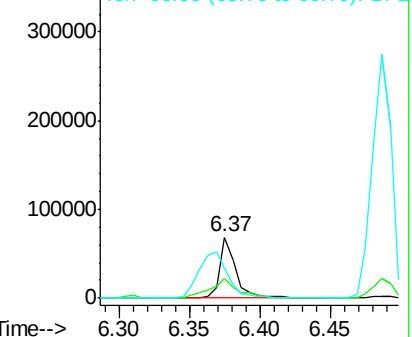
94 100

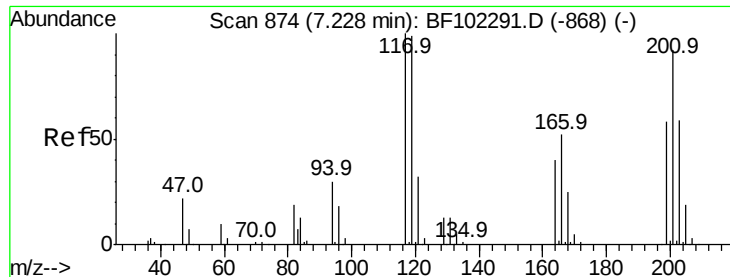
65 32.2 7.9 47.9

66 48.0 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

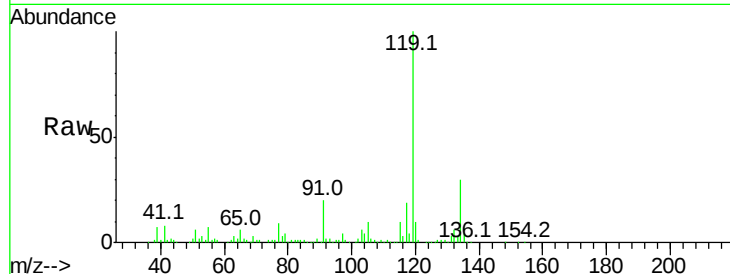




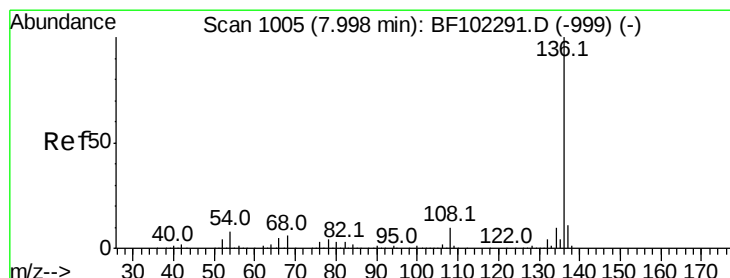
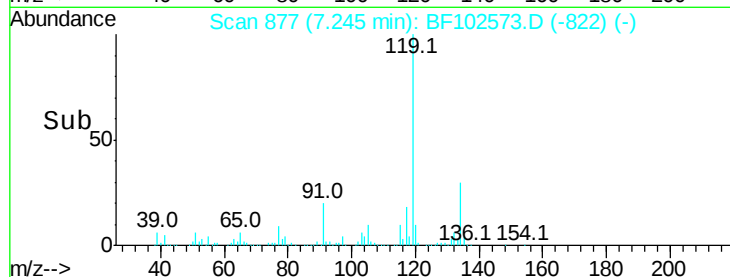
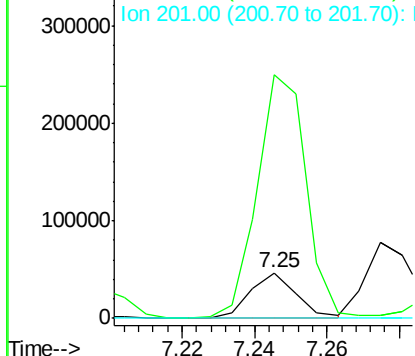
#18
Hexachloroethane
Concen: 9.570 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.02 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 41698
Ion Ratio Lower Upper
117 100
119 538.9 75.8 113.8#
201 0.0 75.7 113.5#



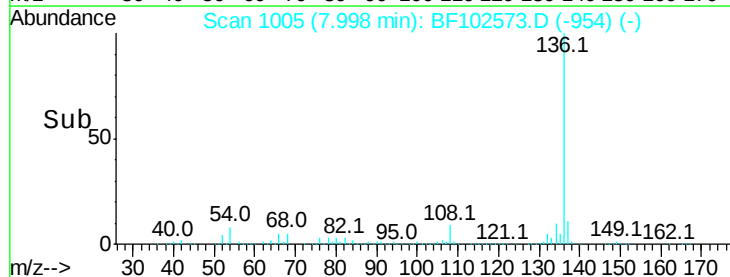
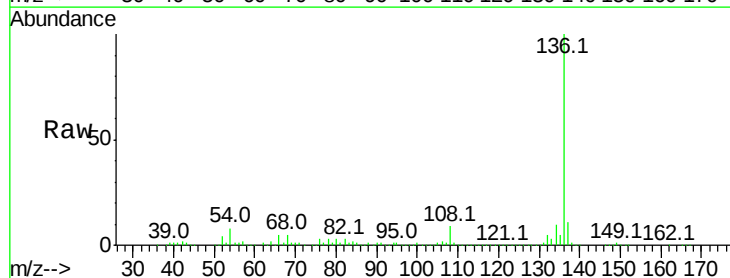
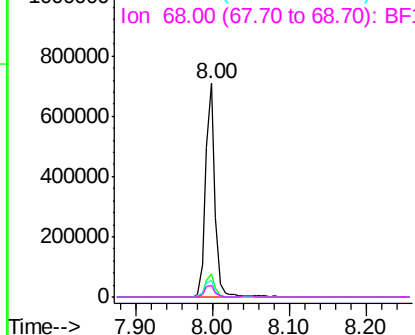
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

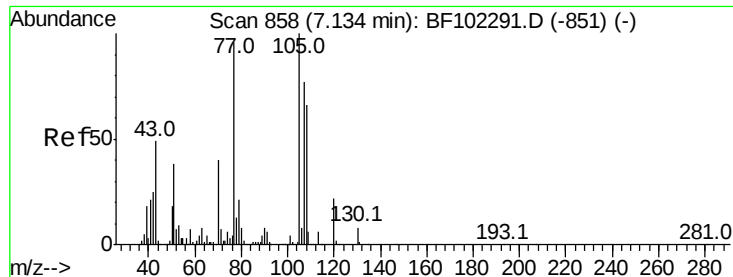


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Tgt Ion:136 Resp: 604321
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.1 6.6 9.8
68 5.4 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#22

Acetophenone

Concen: 2.665 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.03 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:105 Resp: 38395

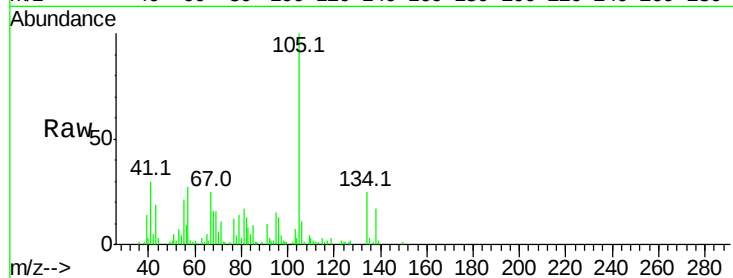
Ion Ratio Lower Upper

105 100

71 11.4 4.4 6.6#

51 5.2 22.3 33.5#

120 0.0 16.9 25.3#



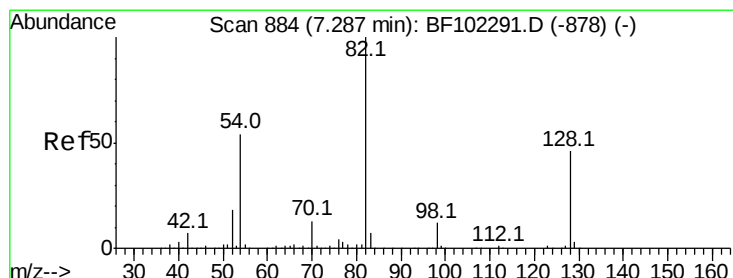
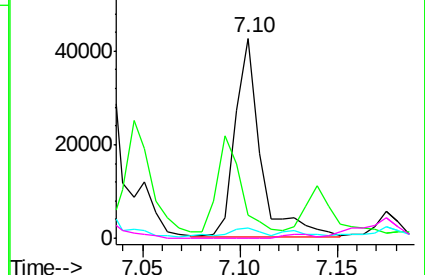
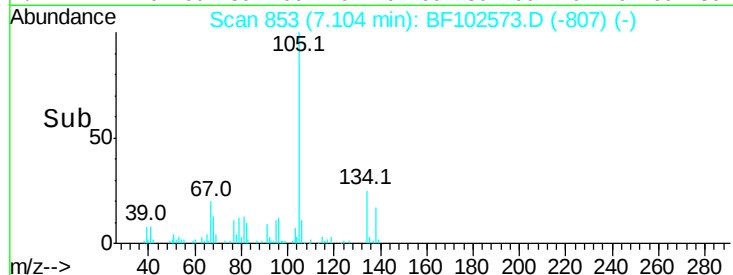
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 74.093 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

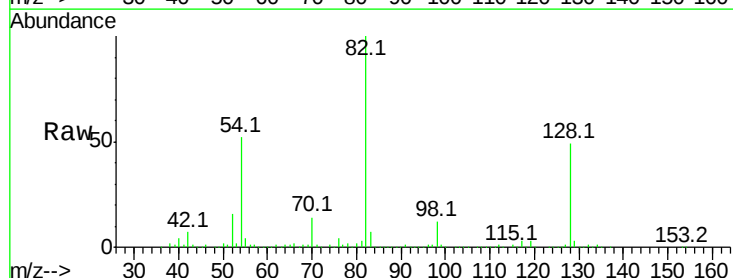
Tgt Ion: 82 Resp: 779156

Ion Ratio Lower Upper

82 100

128 48.8 36.1 54.1

54 52.1 41.4 62.2

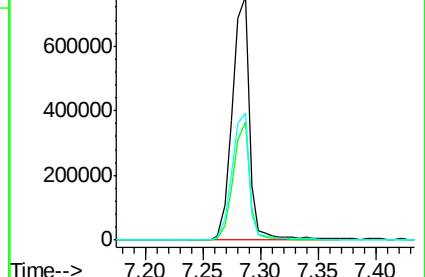
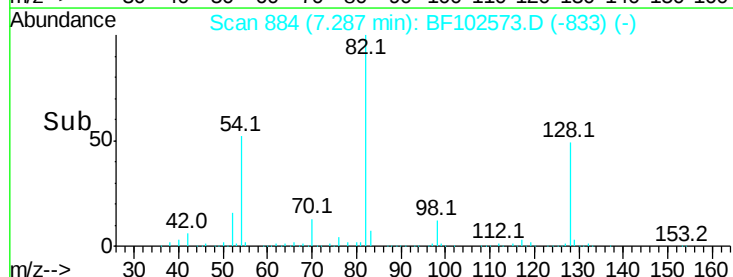


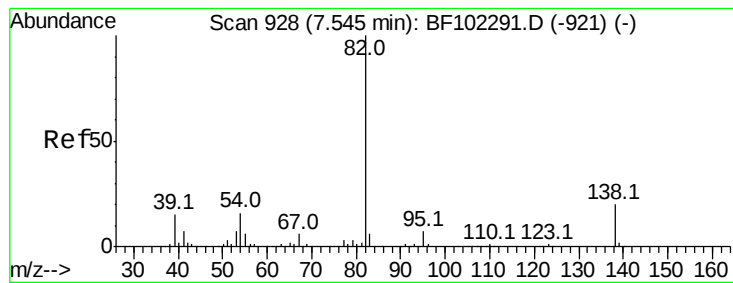
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

Time-->





#25

Isophorone

Concen: 41.196 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

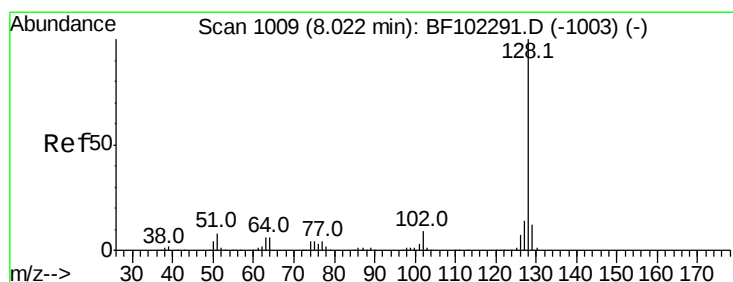
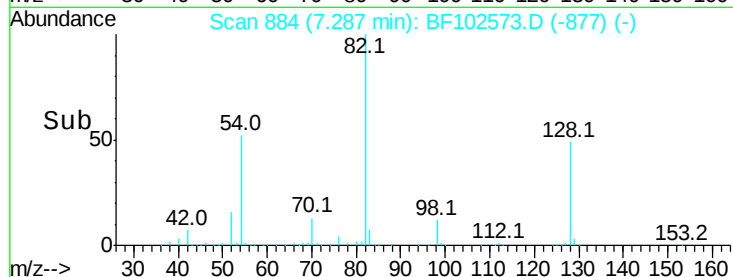
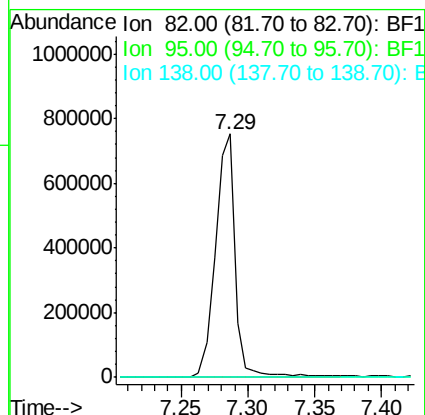
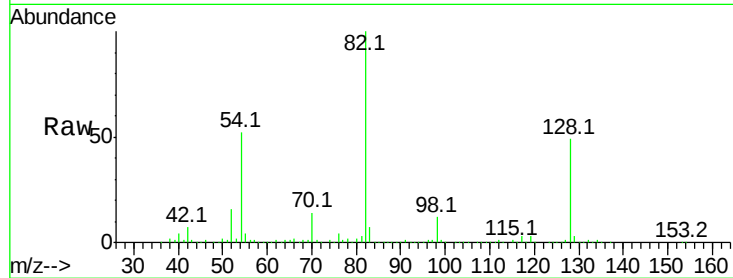
Tot Ion: 82 Resp: 772315

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 2.446 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

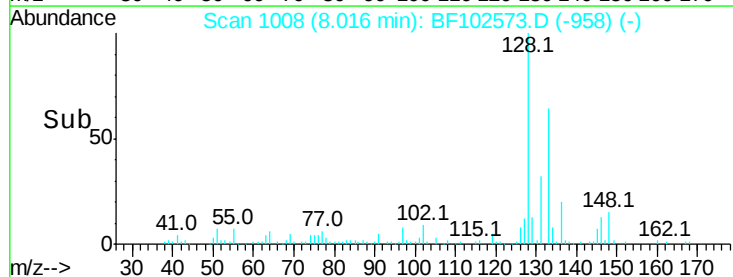
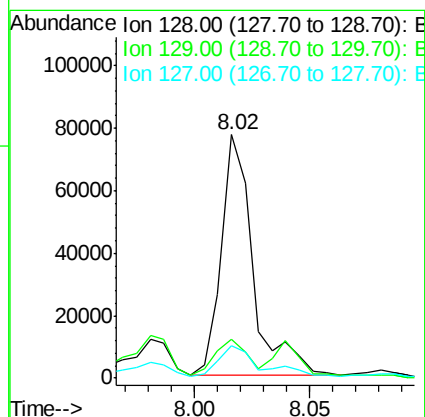
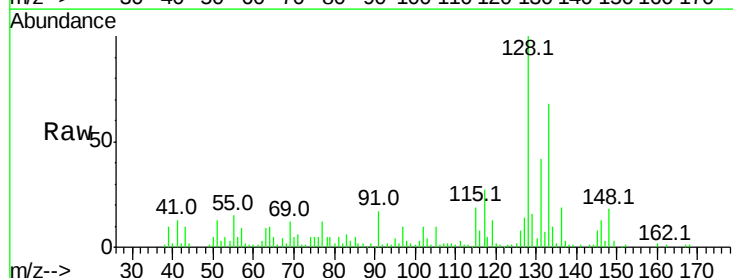
Tgt Ion: 128 Resp: 73796

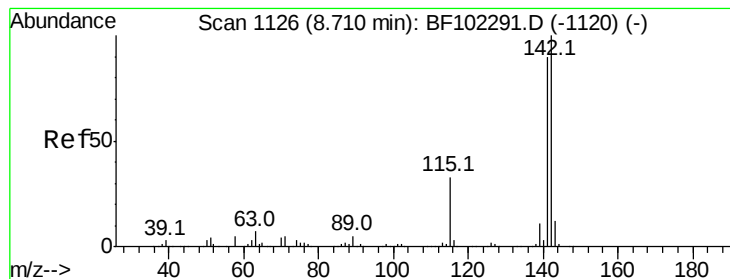
Ion Ratio Lower Upper

128 100

129 16.1 8.8 13.2#

127 13.6 10.9 16.3

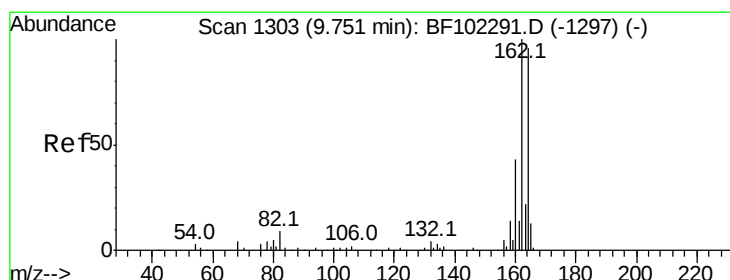
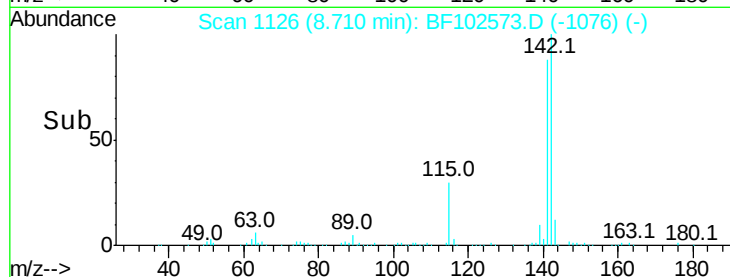
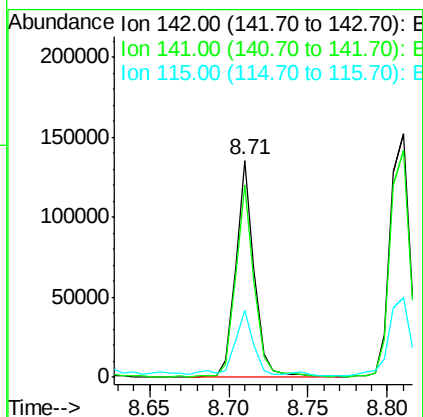
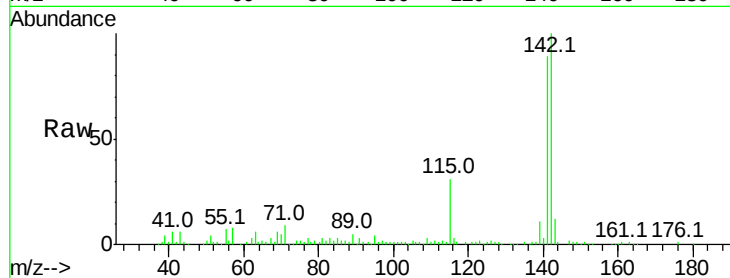




#37
 2-Methyl-naphthalene
 Concen: 5.503 ng
 RT: 8.71 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: BF102573.D
 Acq: 28 Jan 2018 22:24

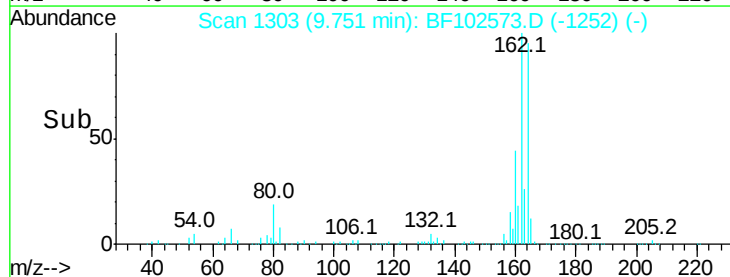
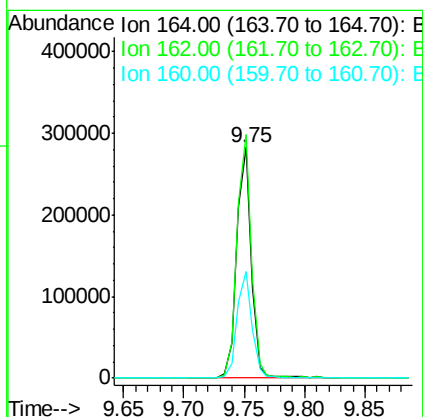
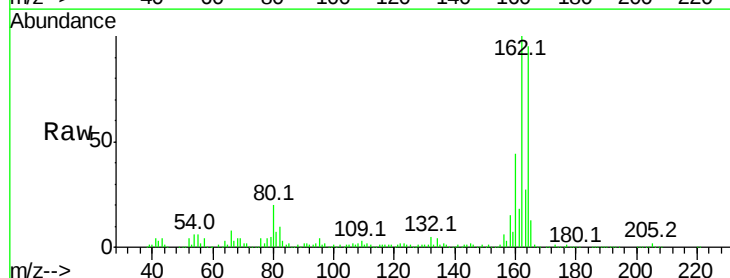
Instrument :
 BNA_F
 ClientSampleId :

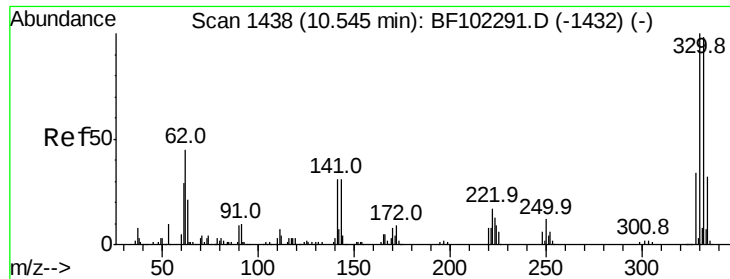
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.8	106.2
115	30.9	26.1	39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF102573.D
 Acq: 28 Jan 2018 22:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	46.1	38.3	57.5

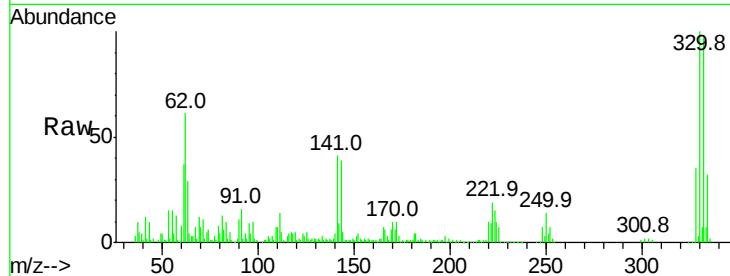




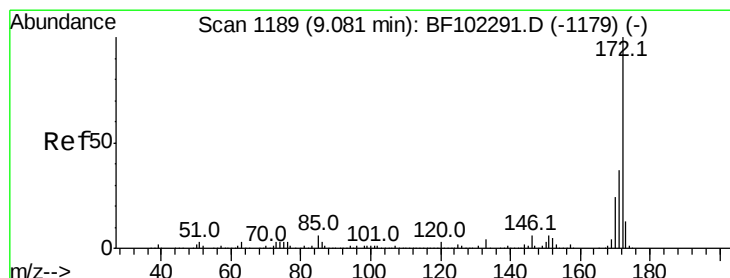
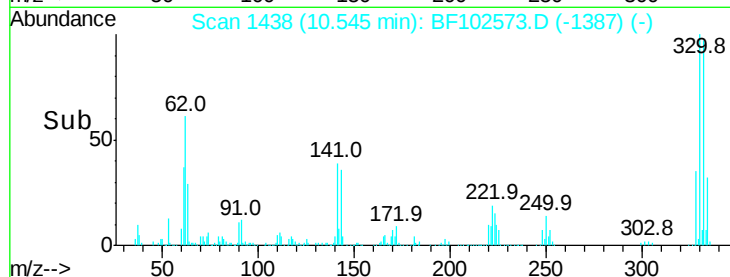
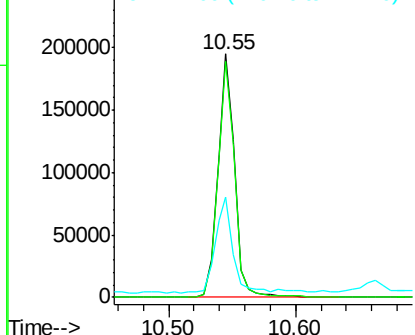
#41
 2,4,6-Tribromophenol
 Concen: 76.577 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102573.D
 Acq: 28 Jan 2018 22:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 180964
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 40.7 29.9 44.9

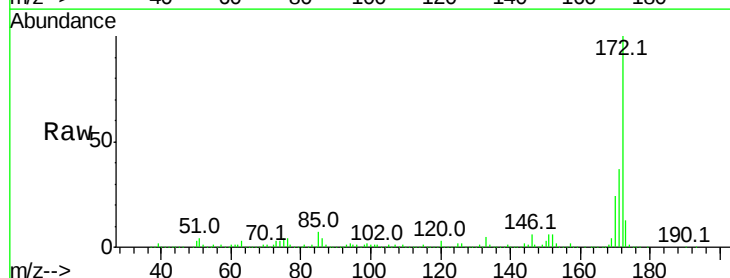


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

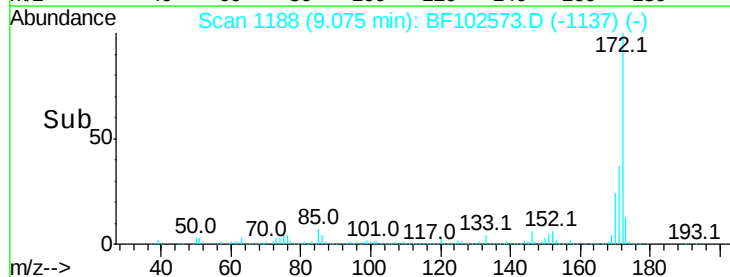
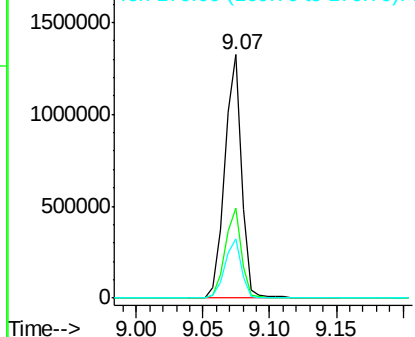


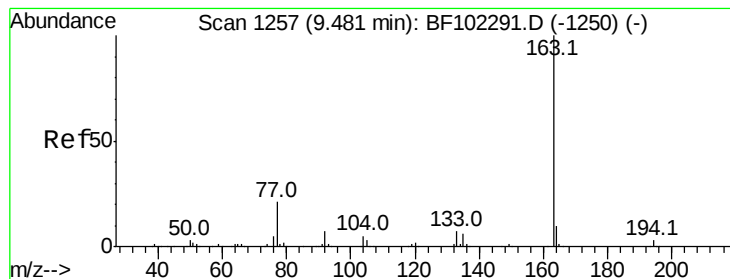
#44
 2-Fluorobiphenyl
 Concen: 72.882 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF102573.D
 Acq: 28 Jan 2018 22:24

Tgt Ion:172 Resp: 1182177
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.7 44.5
 170 24.3 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: 9.277 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

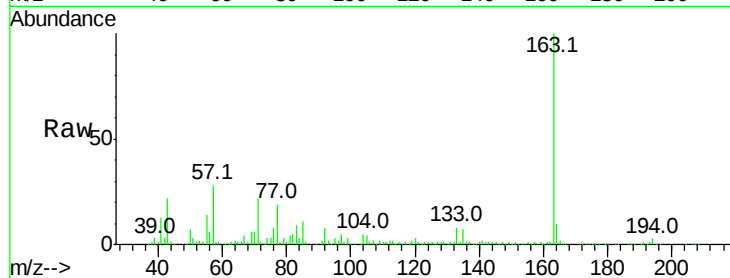
Tot Ion:163 Resp: 182878

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

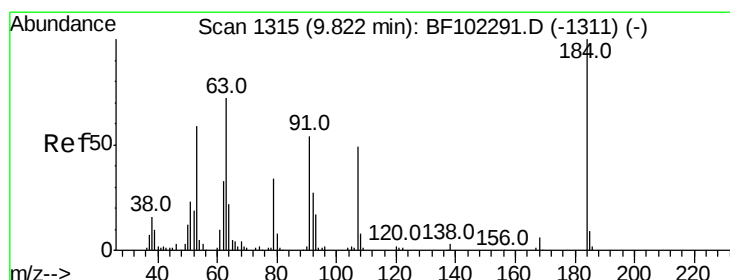
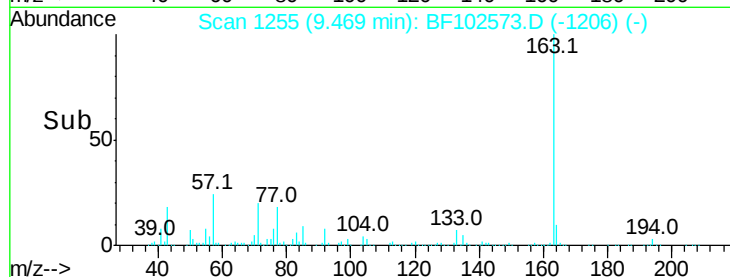
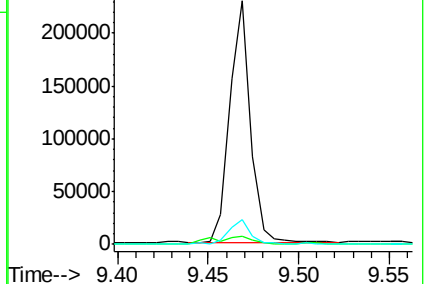
164 9.9 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 3.757 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.11 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

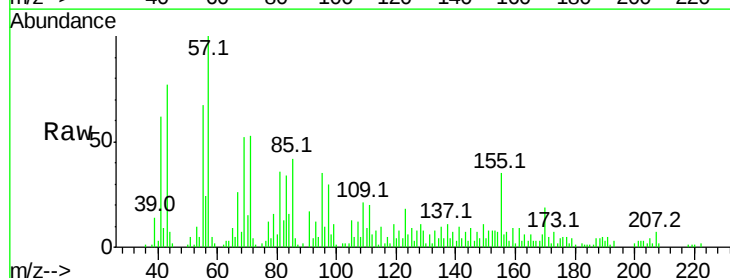
Tgt Ion:184 Resp: 123

Ion Ratio Lower Upper

184 100

63 320.6 54.2 81.2#

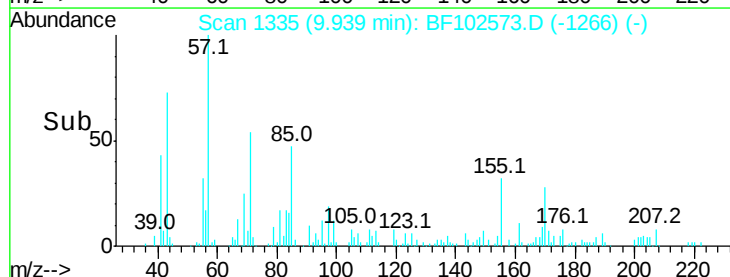
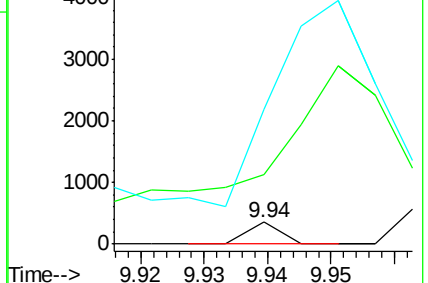
154 627.7 184.0 276.0#

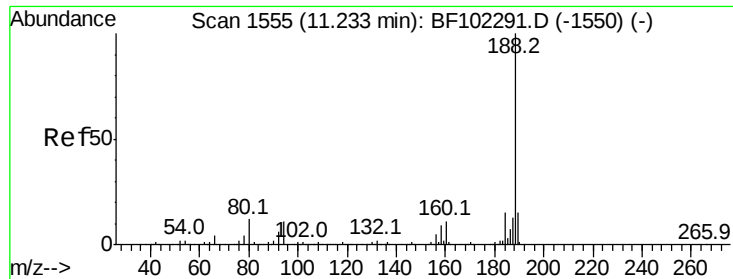


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

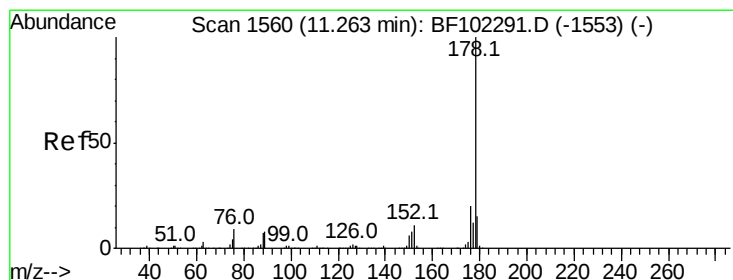
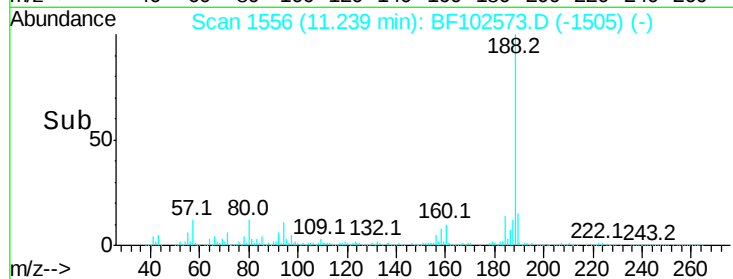
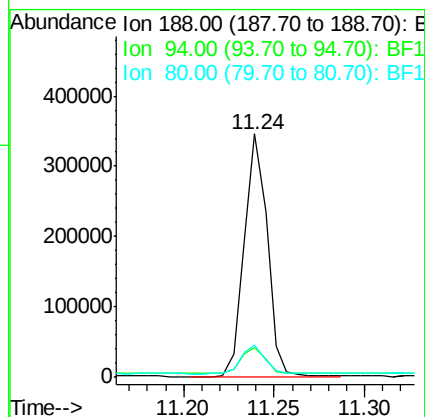
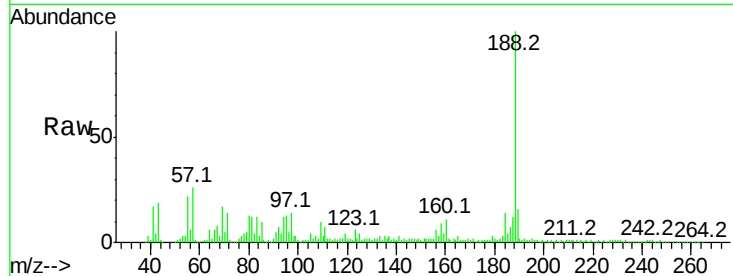




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

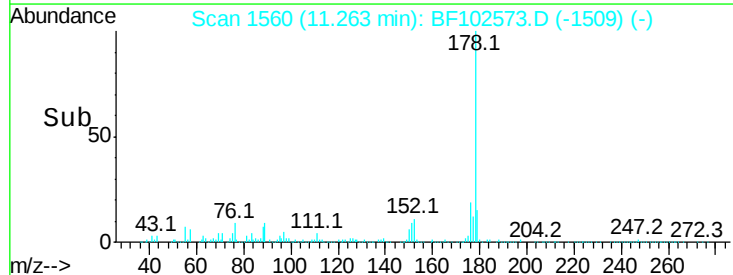
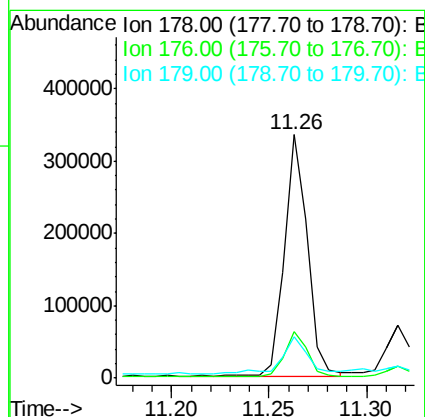
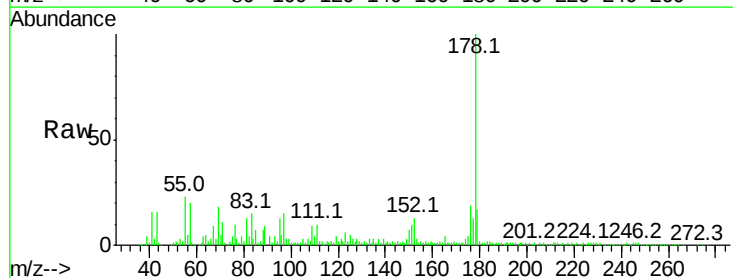
Instrument :
BNA_F
ClientSampleId :

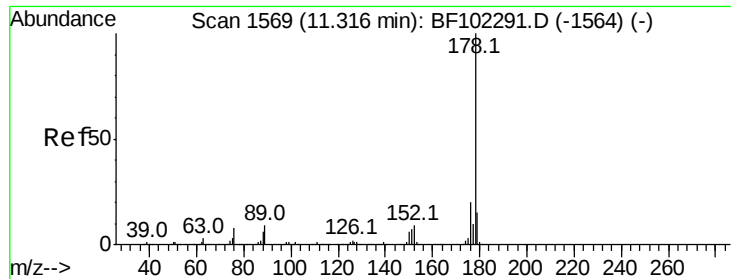
Tot Ion:188 Resp: 304763
Ion Ratio Lower Upper
188 100
94 12.4 8.5 12.7
80 13.3 9.2 13.8



#70
Phenanthrene
Concen: 15.235 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Tgt Ion:178 Resp: 270567
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 17.0 13.0 19.6





#71

Anthracene

Concen: 14.926 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.05 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

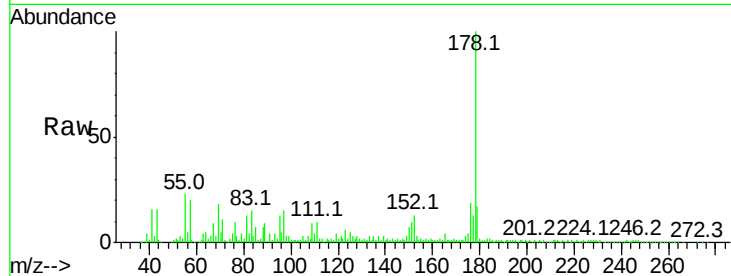
Tot Ion:178 Resp: 270567

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

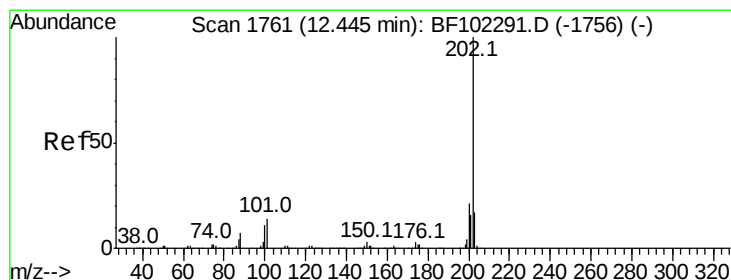
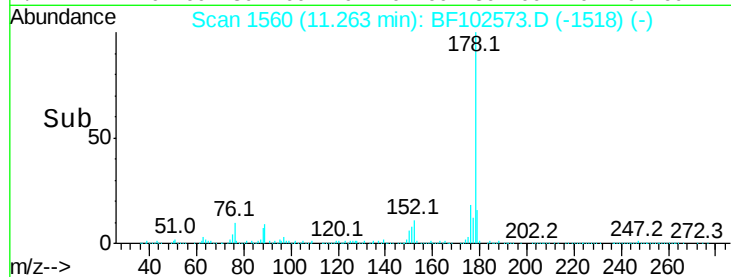
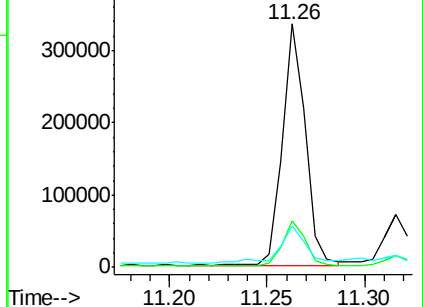
179 17.0 12.6 19.0



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: 16.829 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

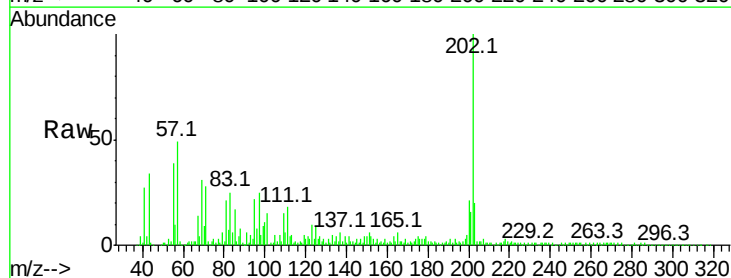
Tgt Ion:202 Resp: 304780

Ion Ratio Lower Upper

202 100

101 14.6 0.0 34.1

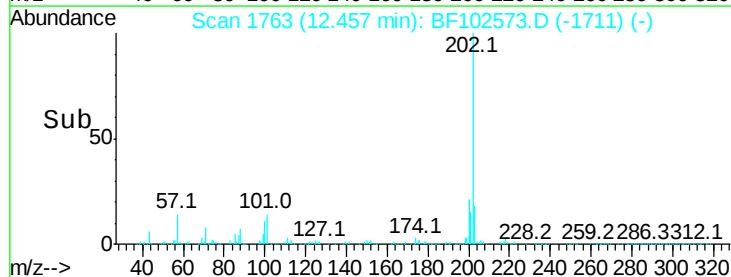
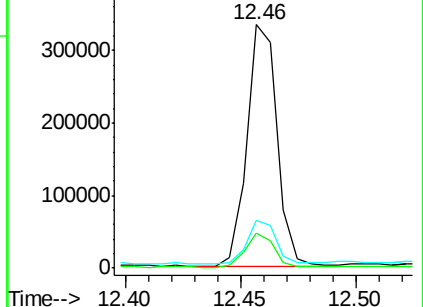
203 19.5 0.0 38.1

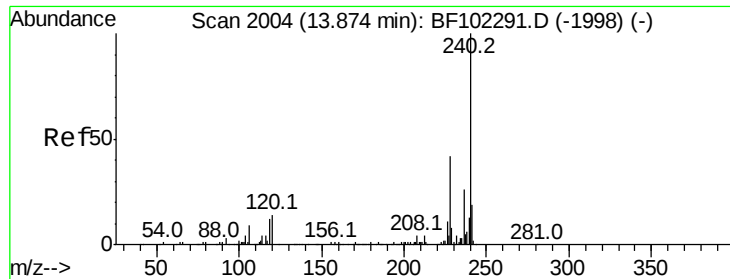


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

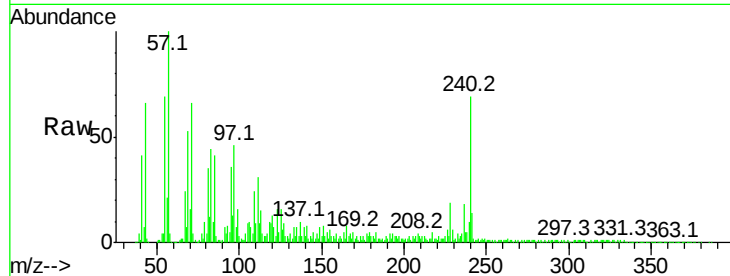
Tot Ion:240 Resp: 199264

Ion Ratio Lower Upper

240 100

120 19.1 9.5 14.3#

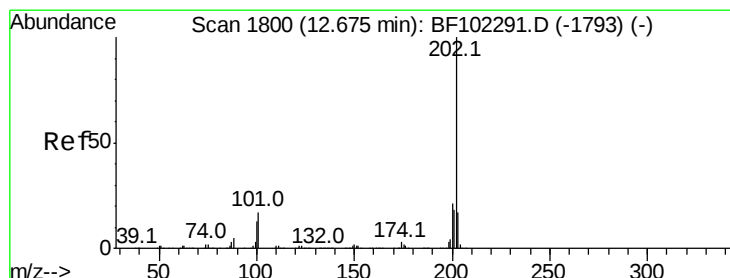
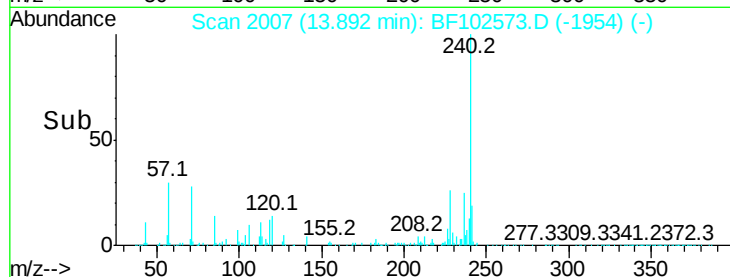
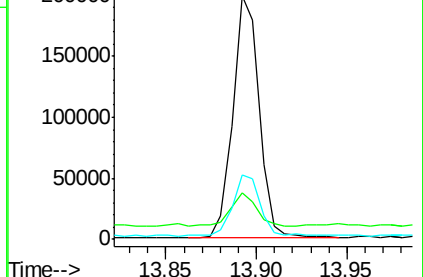
236 26.7 20.7 31.1



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: 19.044 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

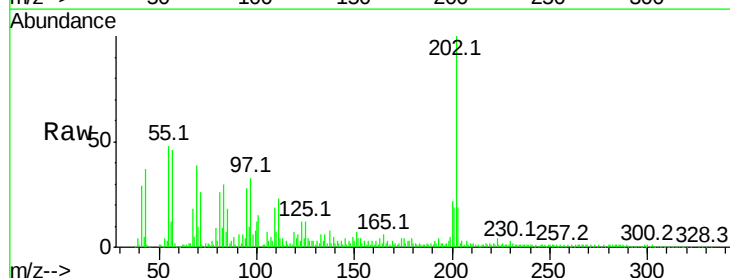
Tgt Ion:202 Resp: 293393

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

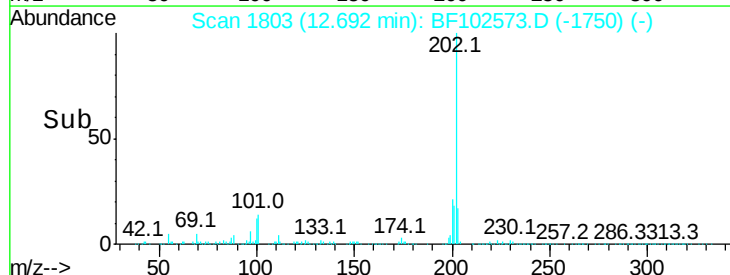
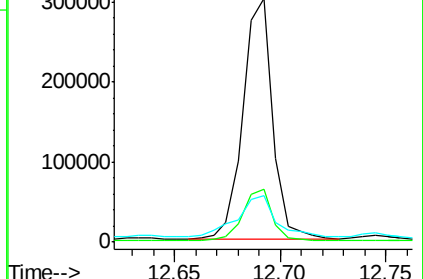
203 18.8 14.3 21.5

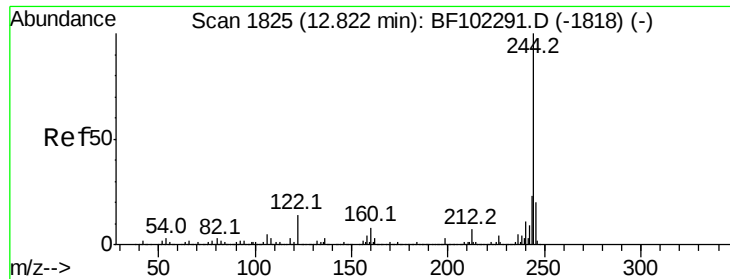


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.146 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

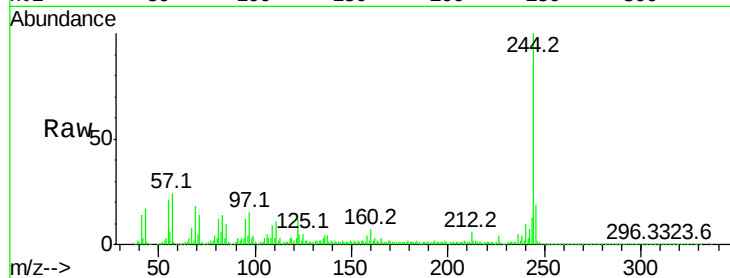
Tot Ion:244 Resp: 637702

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

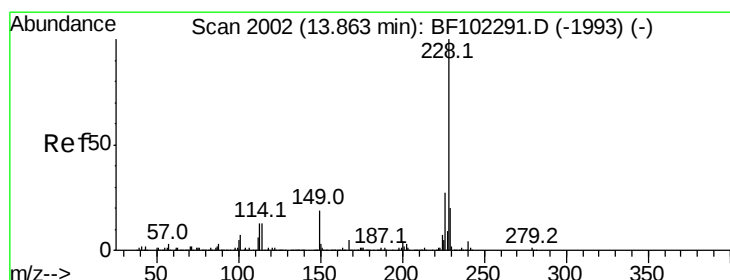
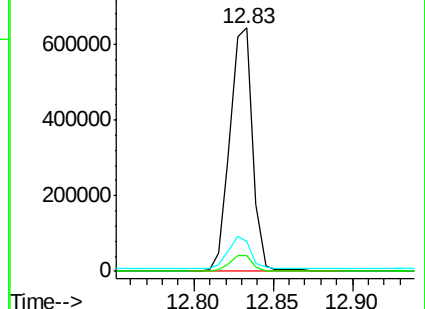
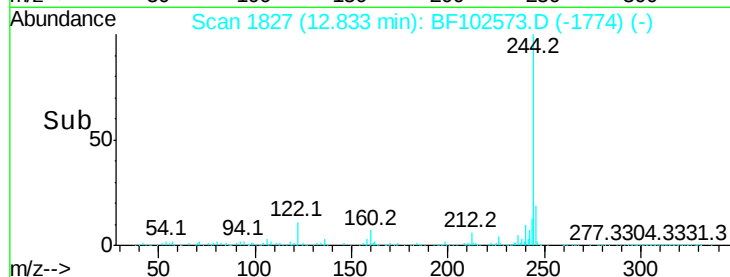
122 12.3 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 10.166 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.02 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

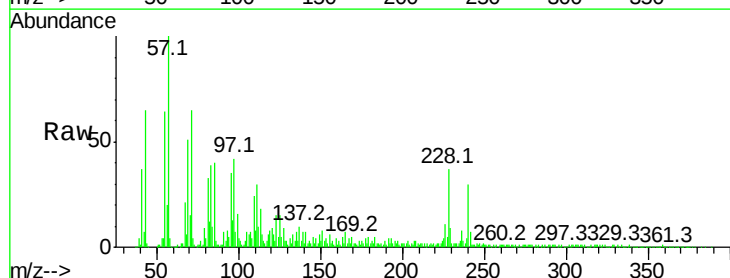
Tgt Ion:228 Resp: 124712

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

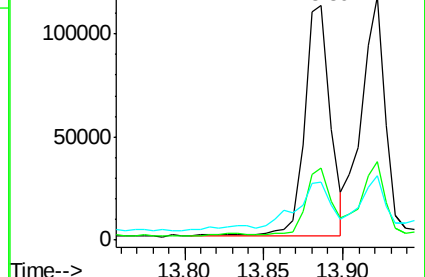
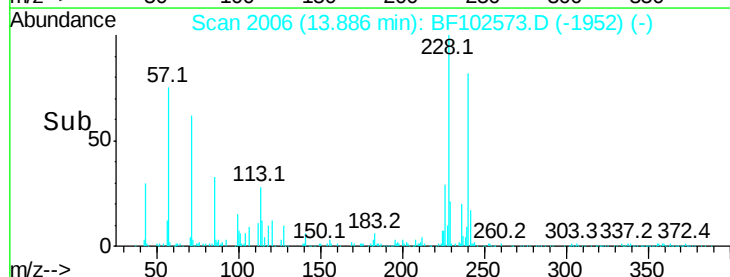
229 24.9 15.8 23.6#

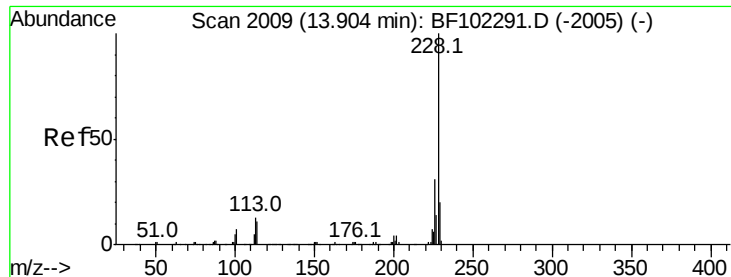


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.016 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

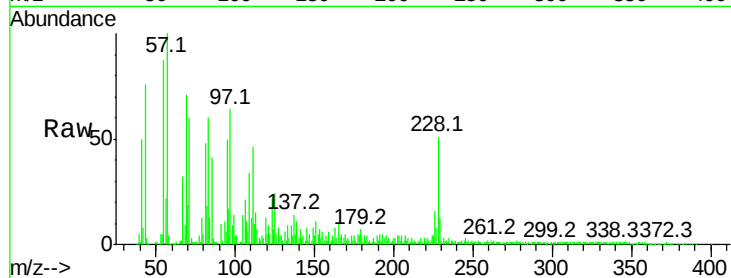
Tot Ion:228 Resp: 124785

Ion Ratio Lower Upper

228 100

226 32.1 25.0 37.6

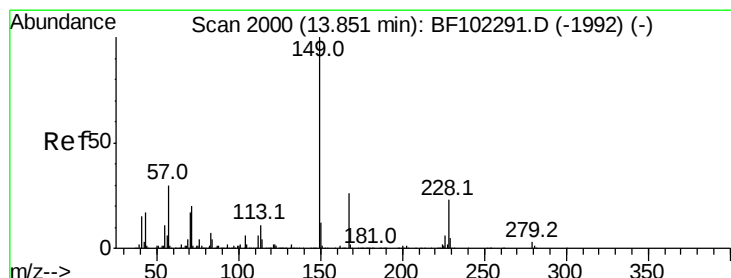
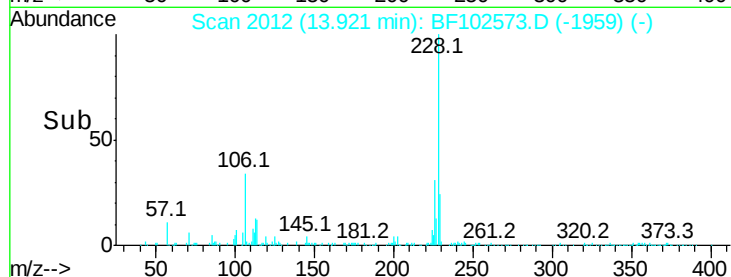
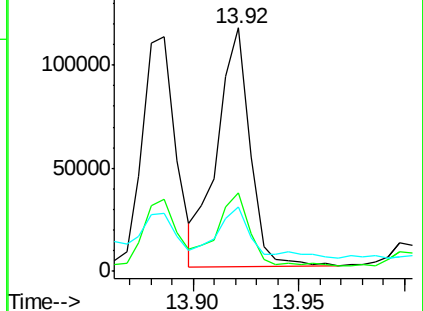
229 26.4 16.2 24.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 11.239 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

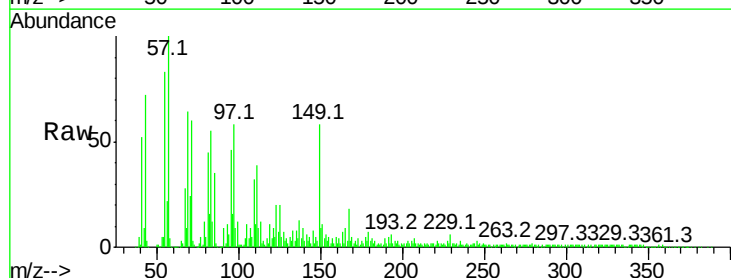
Tgt Ion:149 Resp: 115801

Ion Ratio Lower Upper

149 100

167 30.6 21.3 31.9

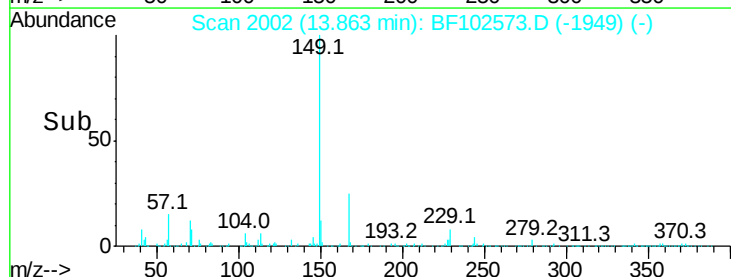
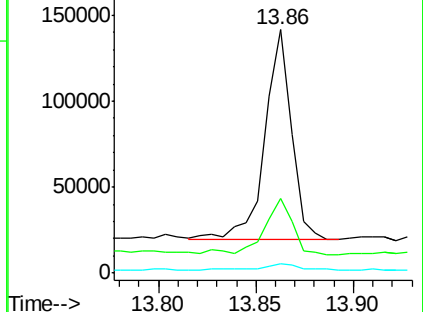
279 4.1 3.0 4.4

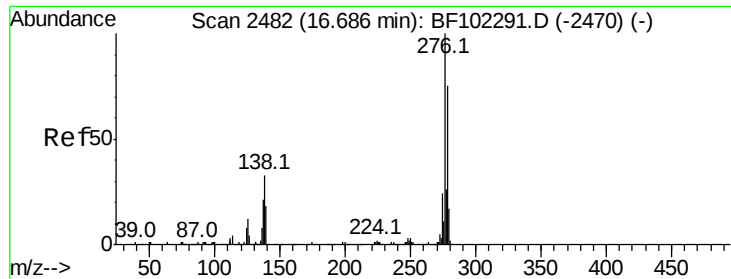


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

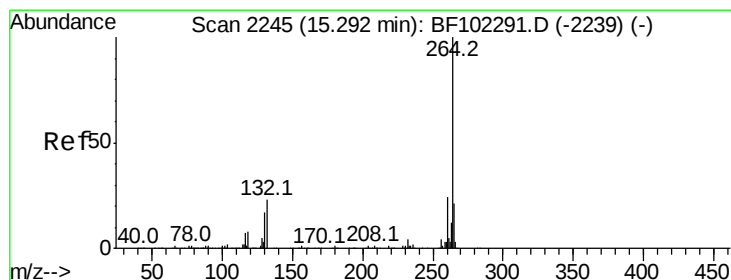
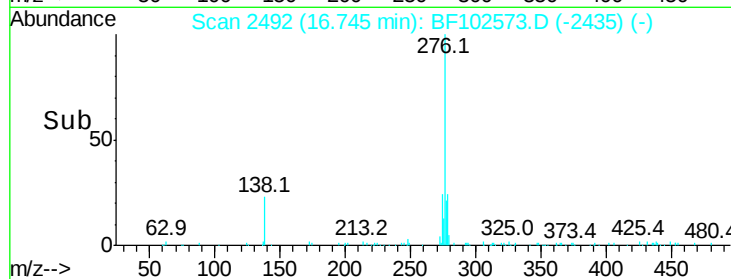
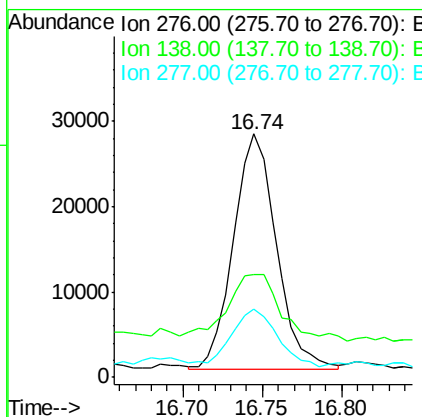
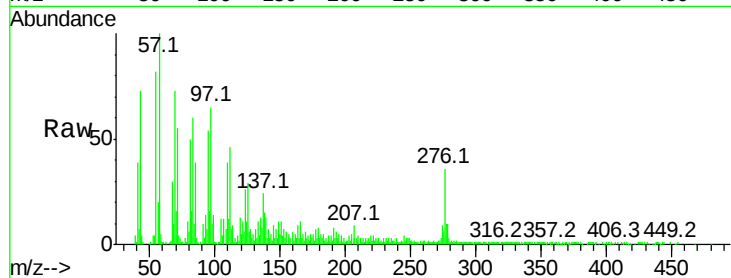




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.044 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.04 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

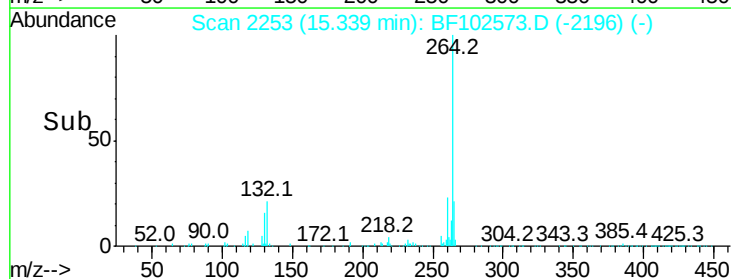
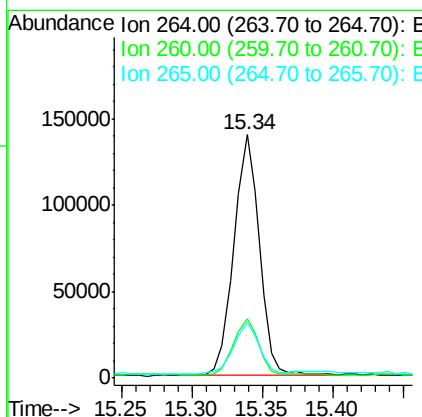
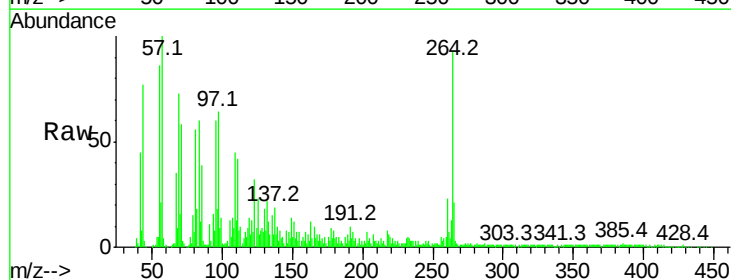
Instrument :
BNA_F
ClientSampleId :

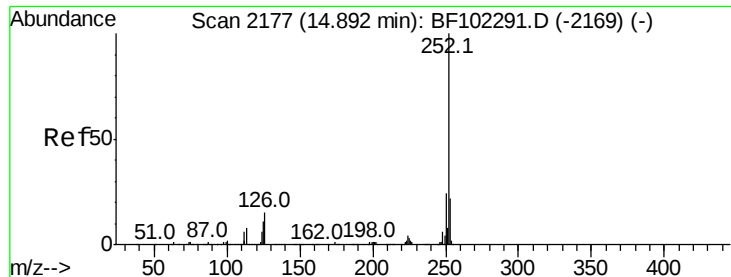
Tot Ion:276 Resp: 51898
Ion Ratio Lower Upper
276 100
138 36.8 25.0 37.6
277 25.5 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.04 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Tgt Ion:264 Resp: 174680
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.7 17.5 26.3

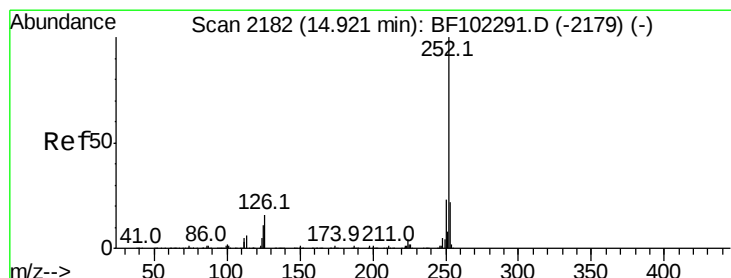
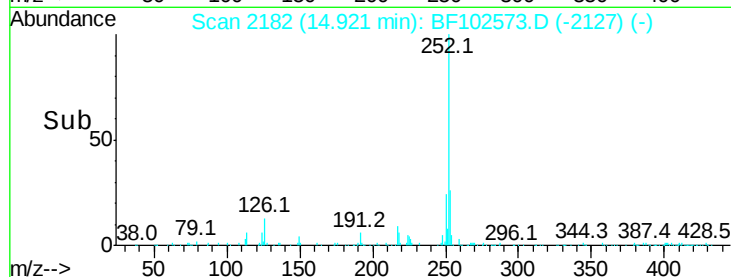
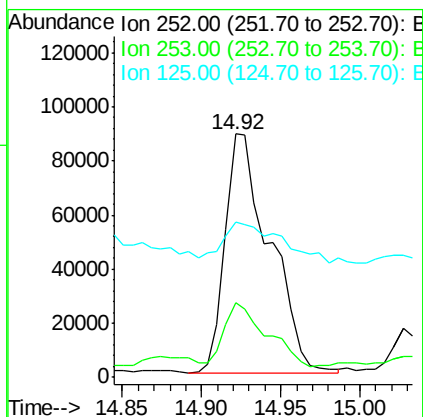
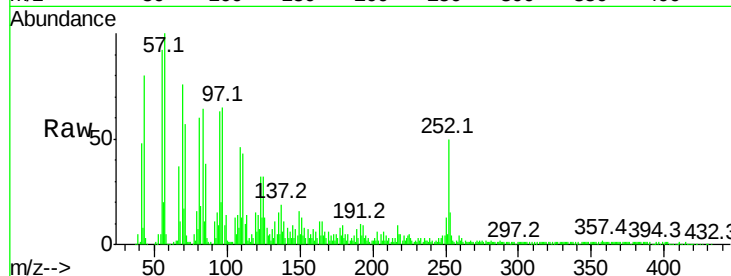




#87
Benzo(b)fluoranthene
Concen: 15.332 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

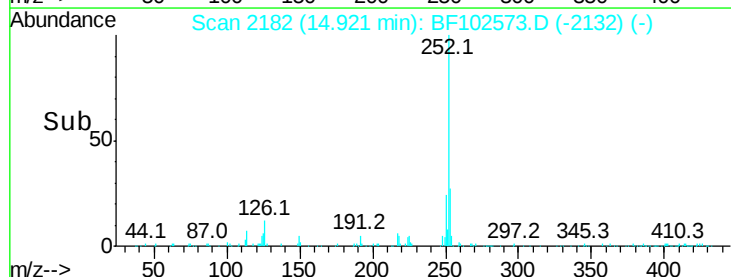
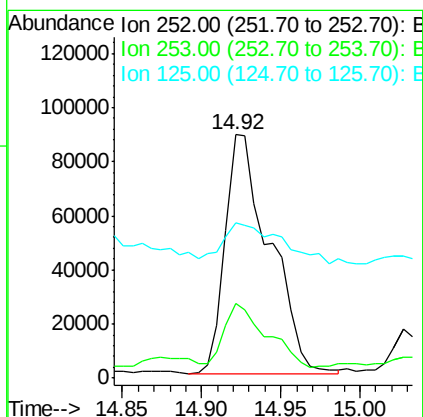
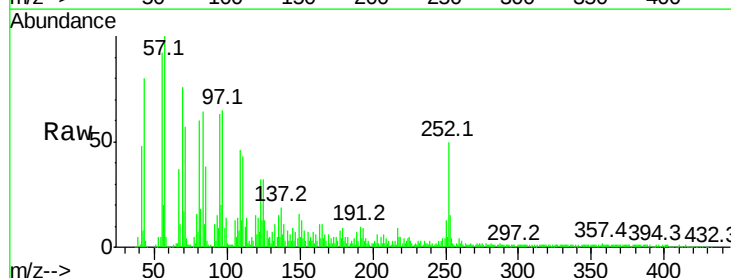
Instrument :
BNA_F
ClientSampleId :

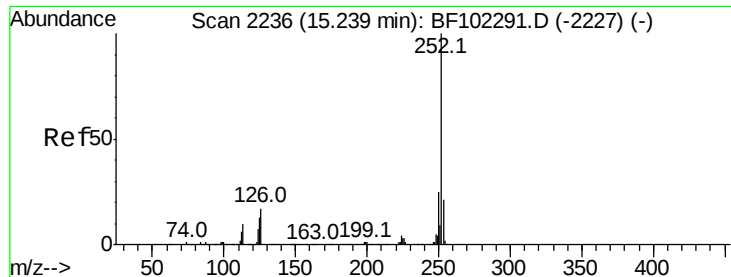
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.4	17.0	25.6#
125	63.9	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 16.228 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.4	17.9	26.9#
125	63.9	10.2	15.2#

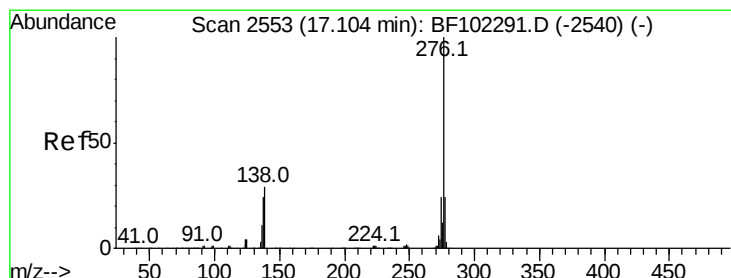
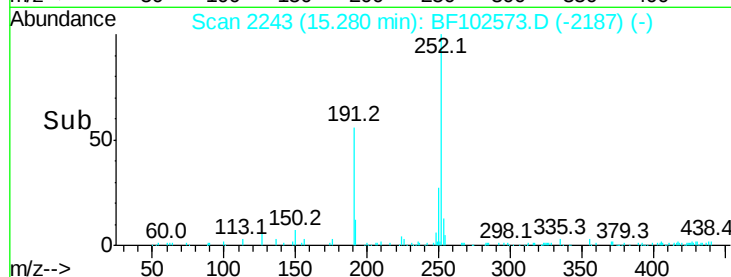
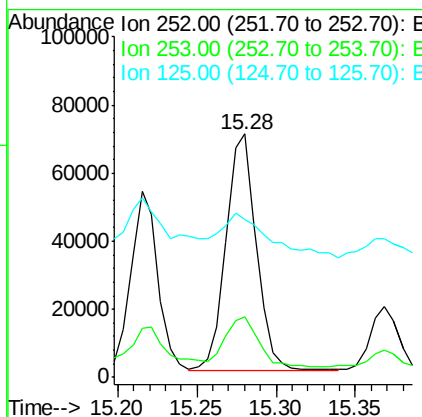
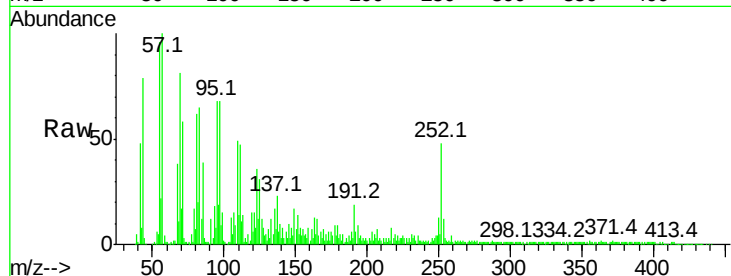




#89
Benzo(a)pyrene
Concen: 9.004 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.03 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 91937
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 65.0 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 6.093 ng
RT: 17.17 min Scan# 2565
Delta R.T. 0.04 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Tgt Ion:276 Resp: 49762
Ion Ratio Lower Upper
276 100
277 28.3 17.9 26.9#
138 38.8 21.8 32.8#

