

Data Path : U:\HPCHEM1\BNA F\DATA\BF013118\
 Data File : BF102673.D
 Acq On : 31 Jan 2018 23:41
 Operator : SJ/JU
 Sample : J1384-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

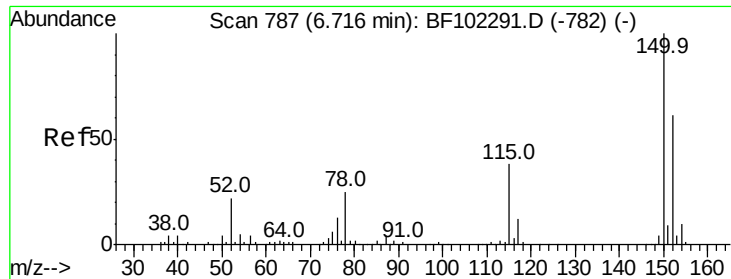
Quant Time: Feb 01 03:07:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	127590	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	459692	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	182335	20.00	ng	0.01
63) Phenanthrene-d10	11.17	188	1927	20.00	ng	-0.05
75) Chrysene-d12	13.96	240	107298	20.00	ng	0.09
86) Perylene-d12	15.36	264	136326	20.00	ng	0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	984751	117.03	ng	0.02
7) Phenol-d6	6.38	99	1161316	114.47	ng	0.02
23) Nitrobenzene-d5	7.28	82	650054	81.26	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	125130	69.26	ng	0.05
44) 2-Fluorobiphenyl	9.07	172	1188274	95.82	ng	0.00
78) Terphenyl-d14	12.94	244	189290	39.77	ng	0.13

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	44961	4.060	ng	79
19) n-Nitroso-di-n-propylamine	7.28	70	86171	13.880	ng	# 81
25) Isophorone	7.28	82	649354	45.535	ng	# 64
49) Dimethylphthalate	9.47	163	121738	8.078	ng	# 92
53) 2,4-Dinitrophenol	9.82	184	117	3.772	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.30	198	1241	96.530	ng	# 1
65) n-Nitrosodiphenylamine	10.36	169	4052	57.290	ng	# 44
66) 4-Bromophenyl-phenylether	10.73	248	945	45.555	ng	# 1
68) Atrazine	10.88	200	220	10.532	ng	# 1
69) Pentachlorophenol	10.94	266	4641	380.807	ng	# 53
70) Phenanthrene	11.19	178	6309	56.185	ng	# 1
71) Anthracene	11.19	178	6309	55.046	ng	# 1
72) Carbazole	11.43	167	5886	52.640	ng	# 1
73) Di-n-butylphthalate	11.71	149	2887	20.656	ng	# 24
74) Fluoranthene	12.38	202	2362	20.627	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.90	149	22770	4.104	ng	# 57

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

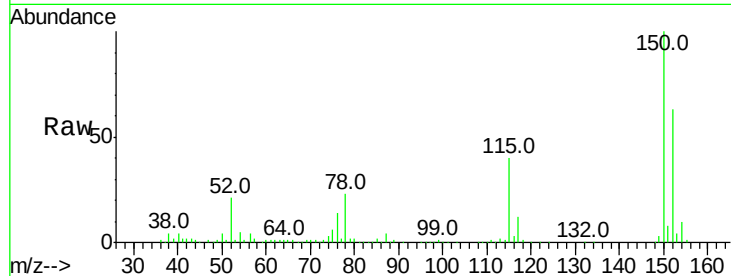


#1

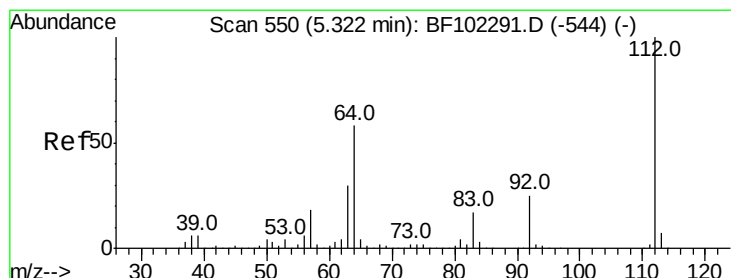
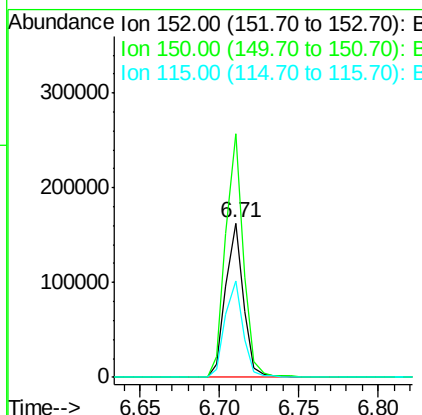
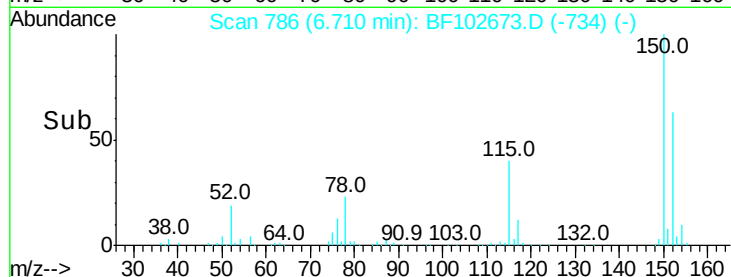
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF102673.D
Acq: 31 Jan 2018 23:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 127590
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 62.5 50.1 75.1



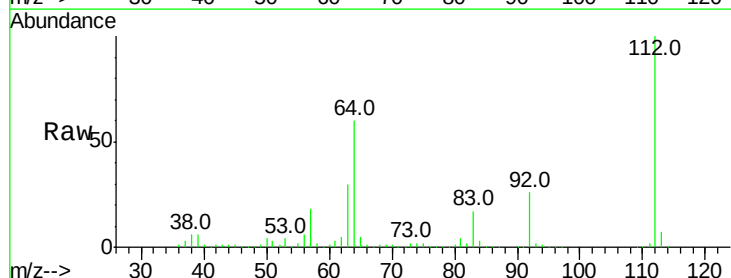
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



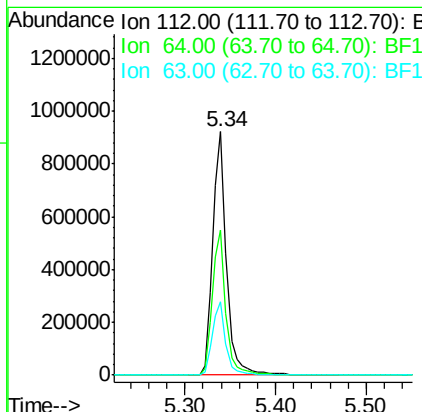
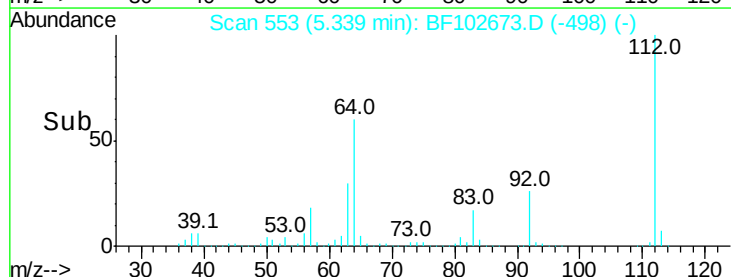
#5

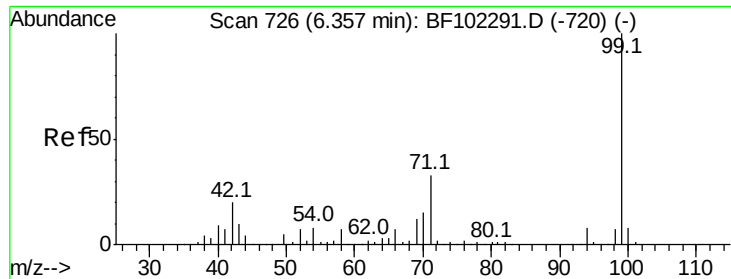
2-Fluorophenol
Concen: 117.026 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102673.D
Acq: 31 Jan 2018 23:41

Tgt Ion:112 Resp: 984751
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 30.3 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: 114.474 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.02 min

Lab File: BF102673.D

Acq: 31 Jan 2018 23:41

Instrument :

BNA_F

ClientSampleId :

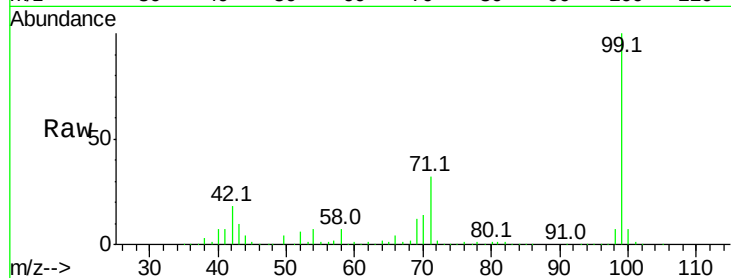
Tot Ion: 99 Resp: 1161316

Ion Ratio Lower Upper

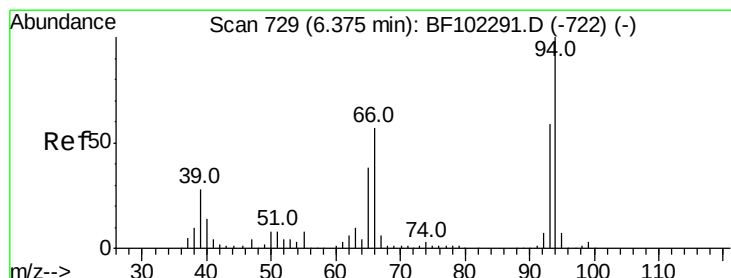
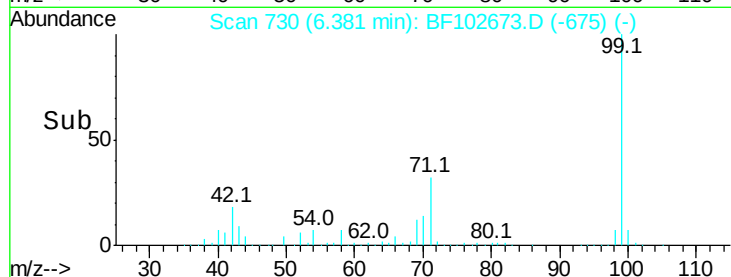
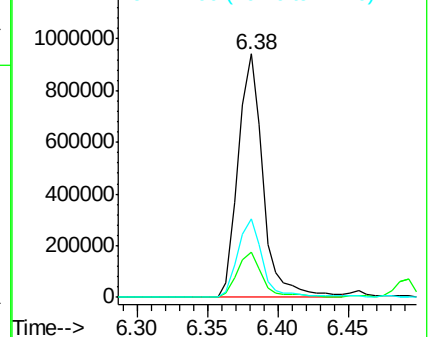
99 100

42 18.5 14.5 21.7

71 32.3 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: 4.060 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.02 min

Lab File: BF102673.D

Acq: 31 Jan 2018 23:41

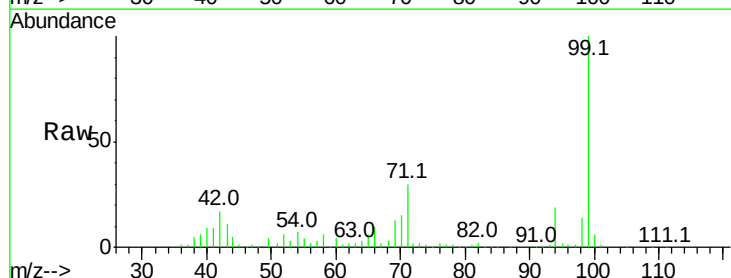
Tgt Ion: 94 Resp: 44961

Ion Ratio Lower Upper

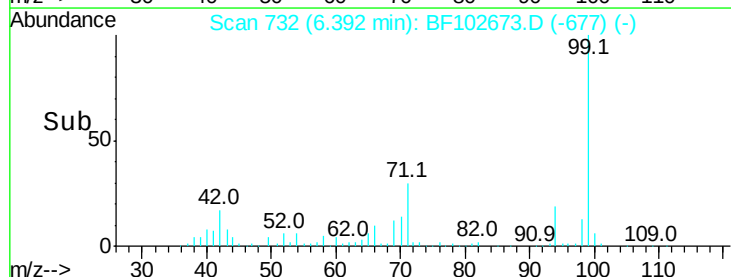
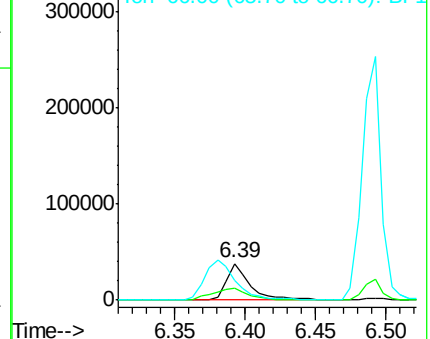
94 100

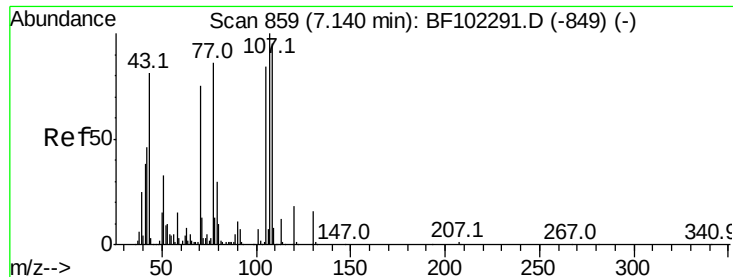
65 33.7 7.9 47.9

66 52.8 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

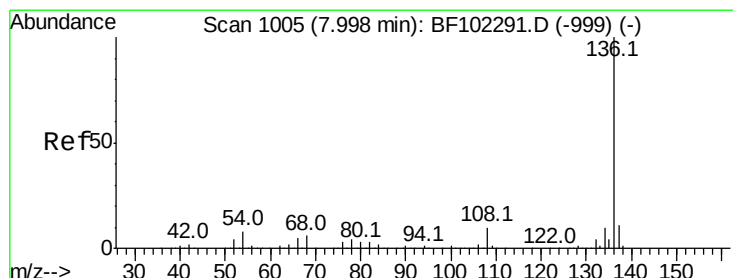
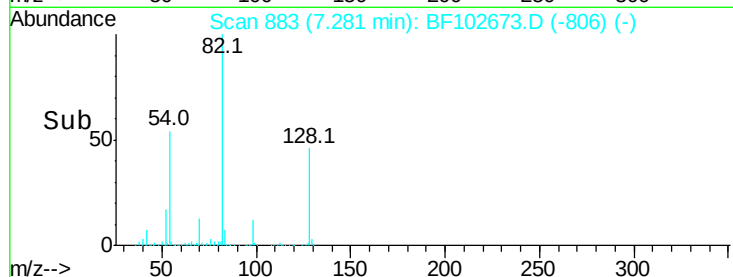
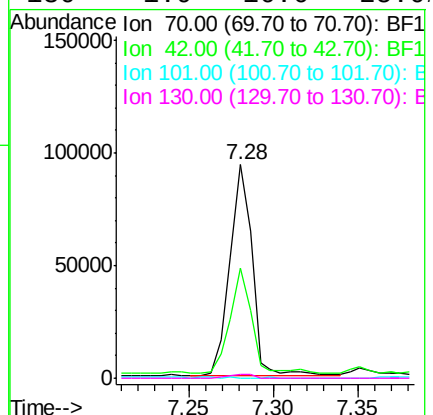
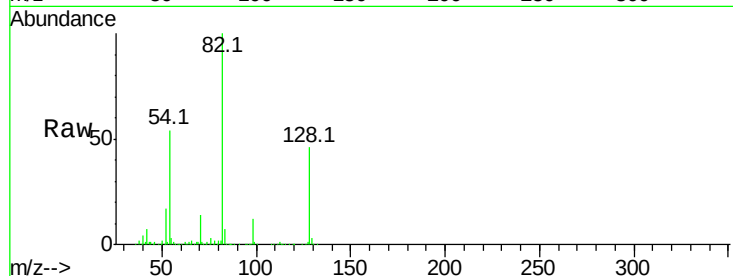




#19
n-Nitroso-di-n-propylamine
Concen: 13.880 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF102673.D
Acq: 31 Jan 2018 23:41

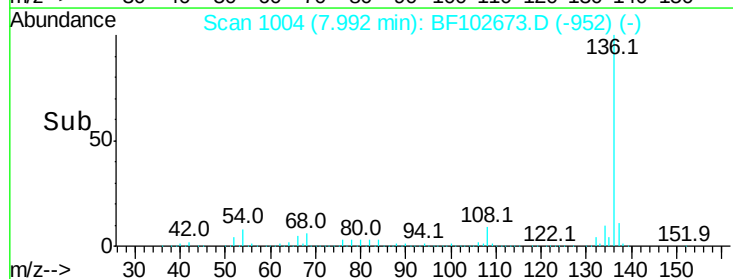
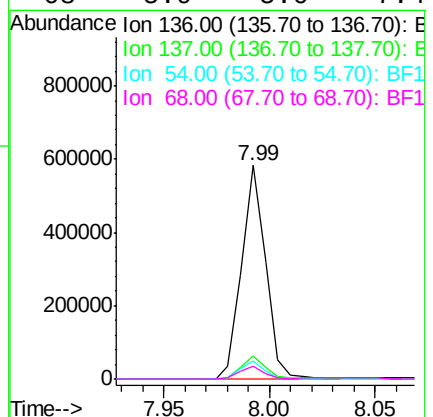
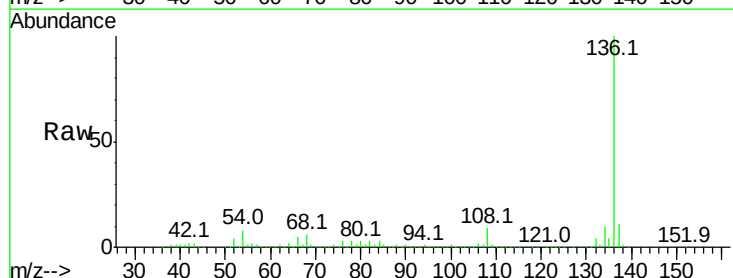
Instrument :
BNA_F
ClientSampleId :

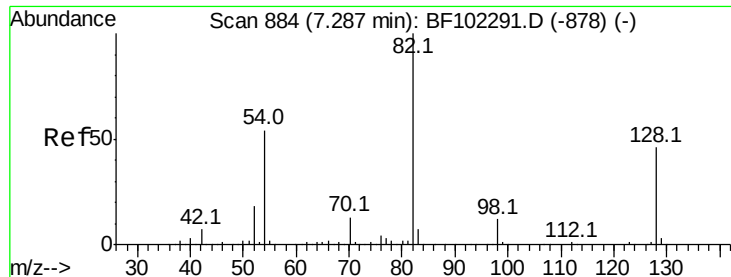
Tot Ion: 70 Resp: 86171
Ion Ratio Lower Upper
70 100
42 51.7 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BF102673.D
Acq: 31 Jan 2018 23:41

Tgt Ion:136 Resp: 459692
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 8.3 6.6 9.8
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 81.264 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.00 min

Lab File: BF102673.D

Acq: 31 Jan 2018 23:41

Instrument :

BNA_F

ClientSampled :

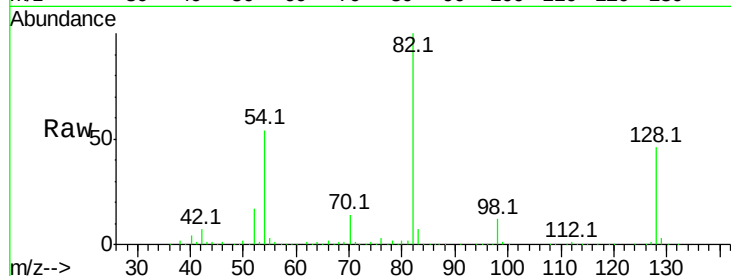
Tot Ion: 82 Resp: 650054

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

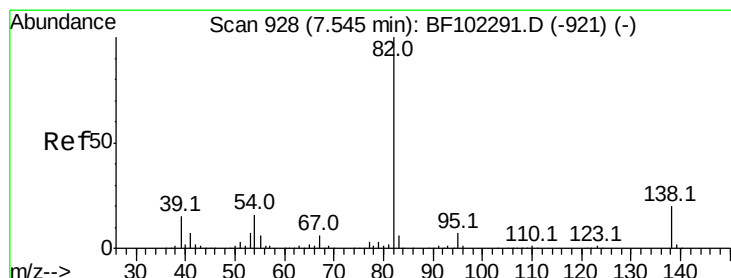
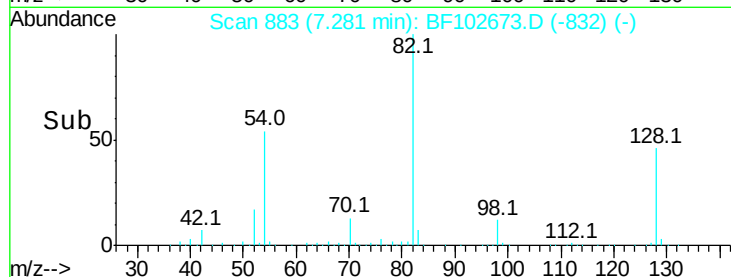
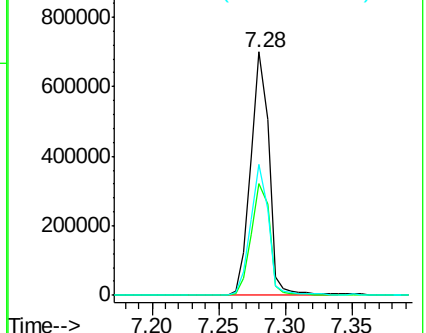
54 53.9 41.4 62.2



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: 45.535 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.25 min

Lab File: BF102673.D

Acq: 31 Jan 2018 23:41

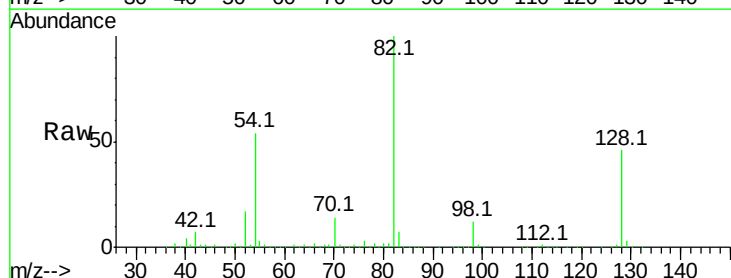
Tgt Ion: 82 Resp: 649354

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

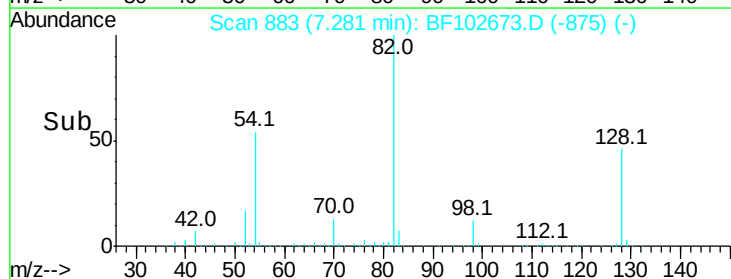
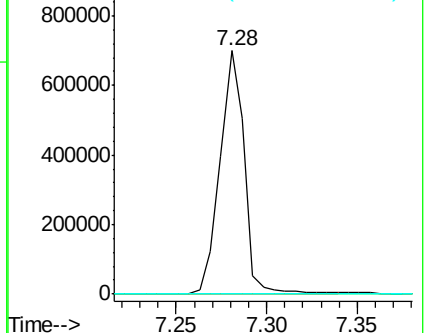
138 0.0 14.9 22.3#

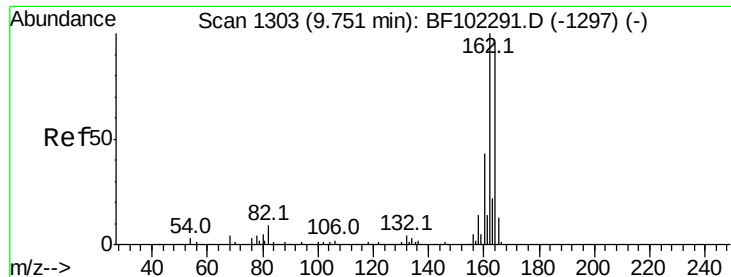


Abundance Ion 82.00 (81.70 to 82.70): BF1

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. 0.01 min

Lab File: BF102673.D

Acq: 31 Jan 2018 23:41

Instrument :

BNA_F

ClientSampleId :

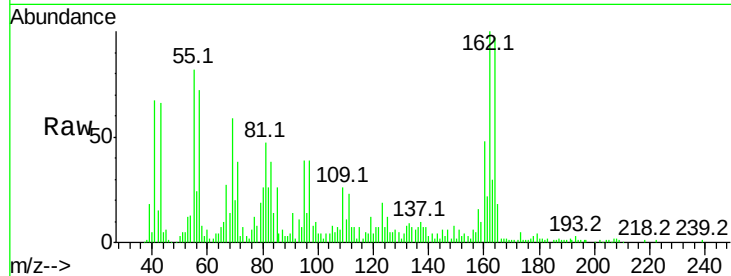
Tot Ion:164 Resp: 182335

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

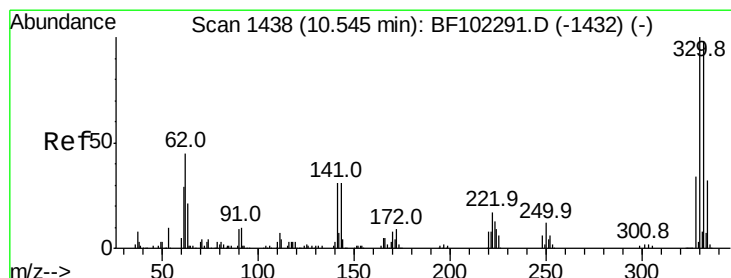
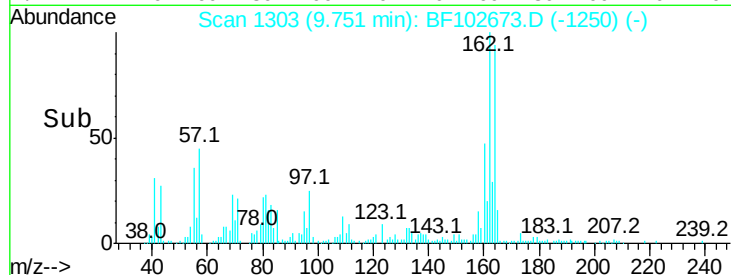
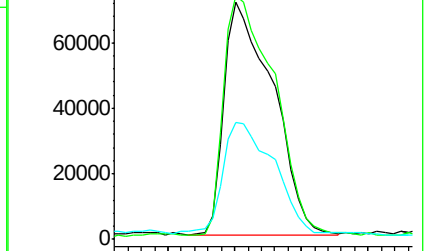
160 49.1 38.3 57.5



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: 69.260 ng

RT: 10.58 min Scan# 1444

Delta R.T. 0.05 min

Lab File: BF102673.D

Acq: 31 Jan 2018 23:41

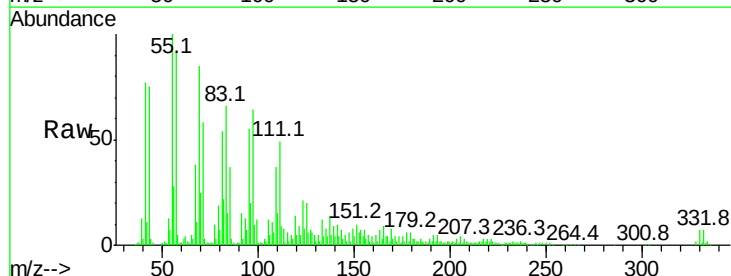
Tgt Ion:330 Resp: 125130

Ion Ratio Lower Upper

330 100

332 0.0 77.0 115.6#

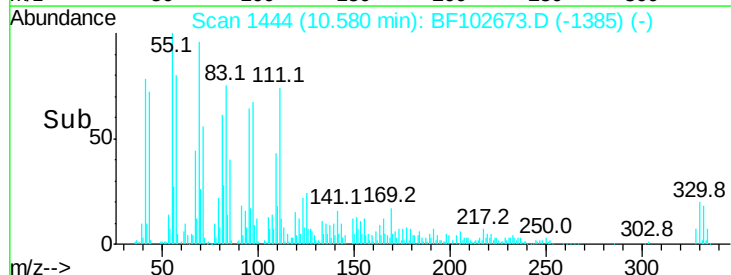
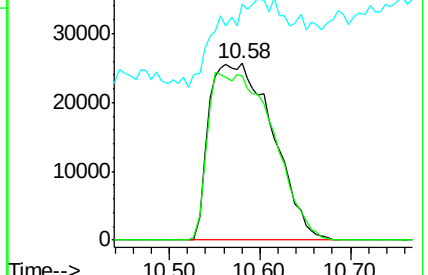
141 0.0 29.9 44.9#

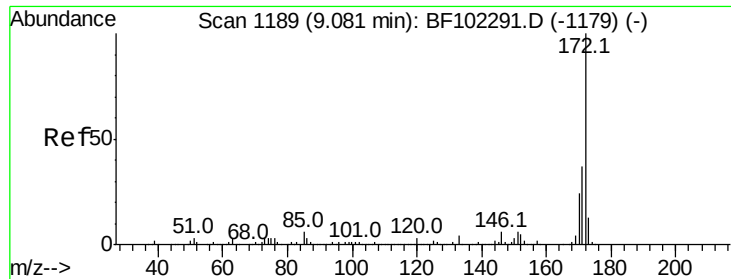


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

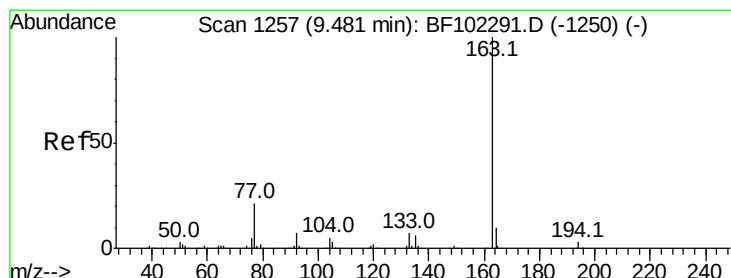
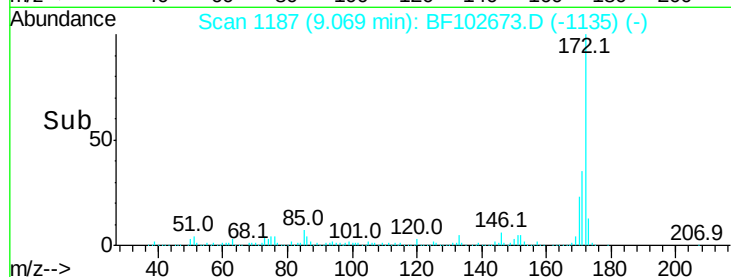
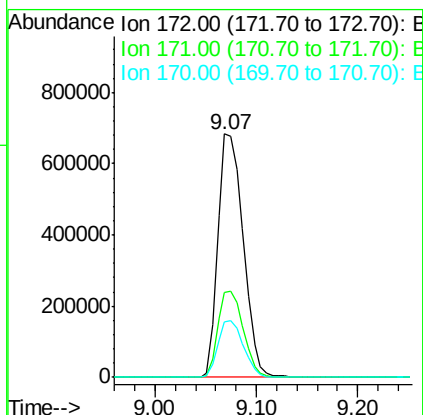
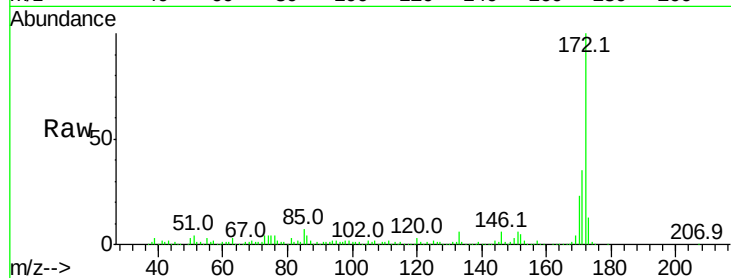




#44
2-Fluorobiphenyl
Concen: 95.823 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF102673.D
Acq: 31 Jan 2018 23:41

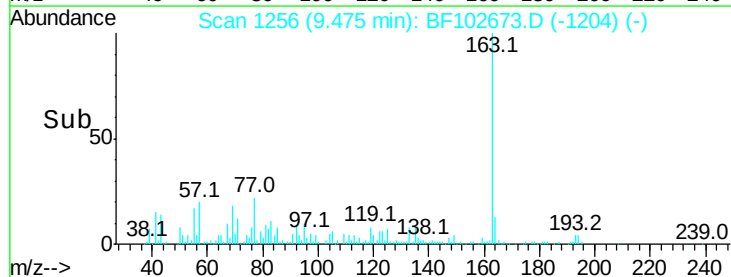
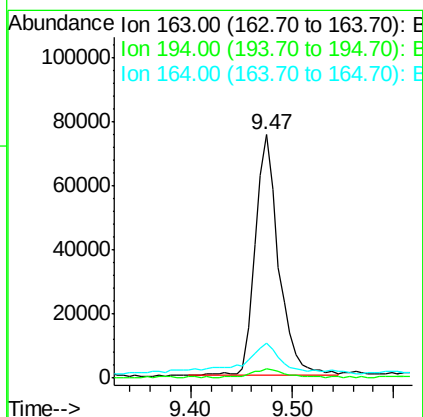
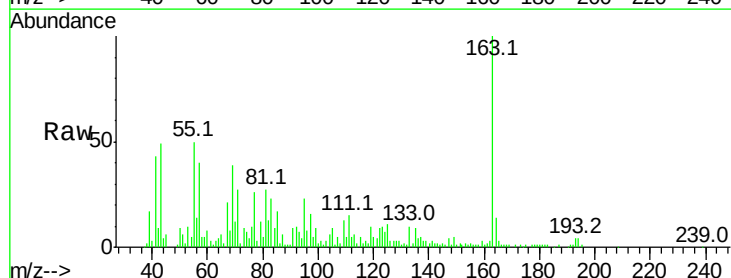
Instrument :
BNA_F
ClientSampleId :

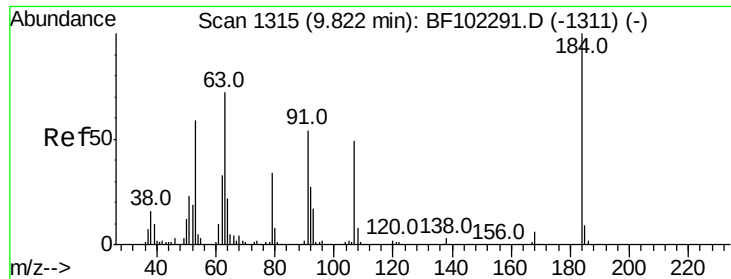
Tot Ion:172 Resp: 1188274
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 22.8 19.6 29.4



#49
Dimethylphthalate
Concen: 8.078 ng
RT: 9.47 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BF102673.D
Acq: 31 Jan 2018 23:41

Tgt Ion:163 Resp: 121738
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 14.2 8.2 12.2#

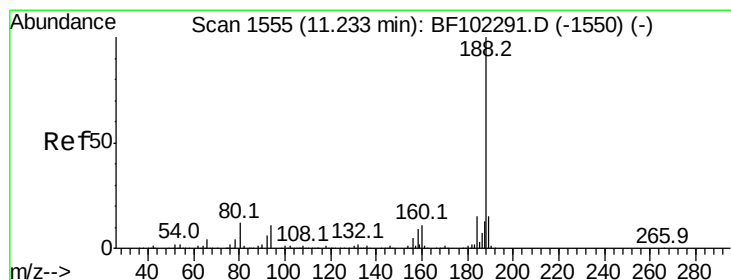
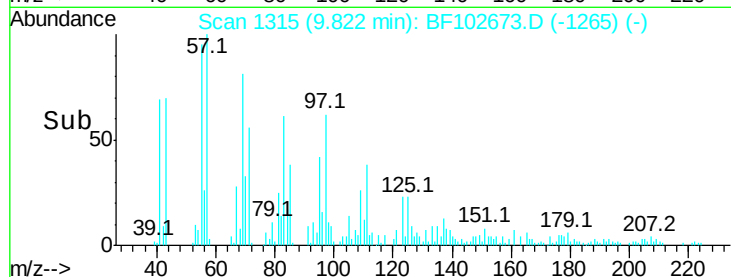
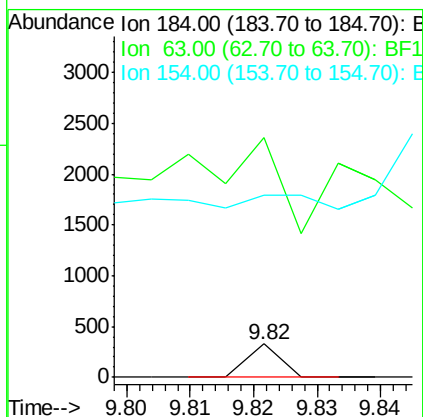
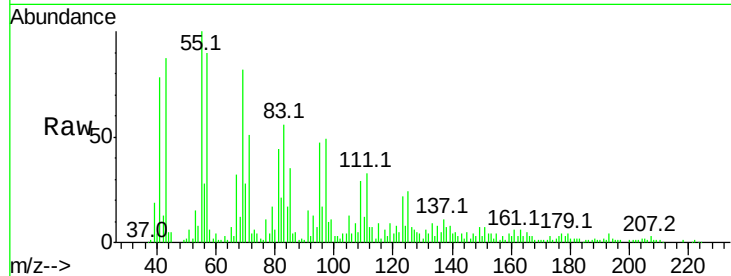




#53
2,4-Dinitrophenol
Concen: 3.772 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF102673.D
Acq: 31 Jan 2018 23:41

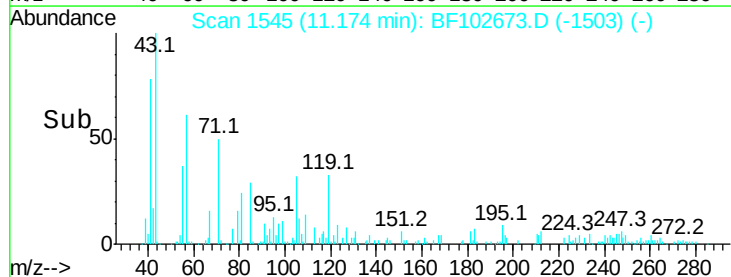
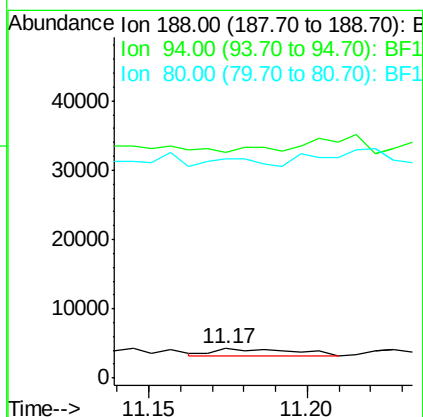
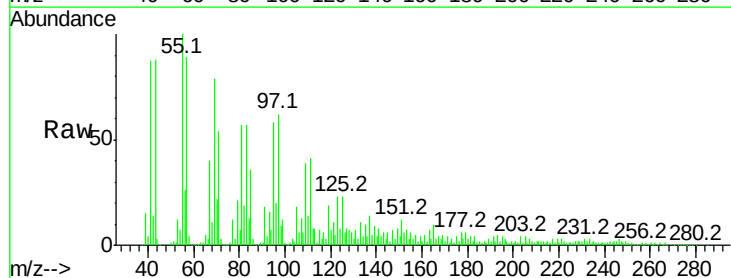
Instrument :
BNA_F
ClientSampled :

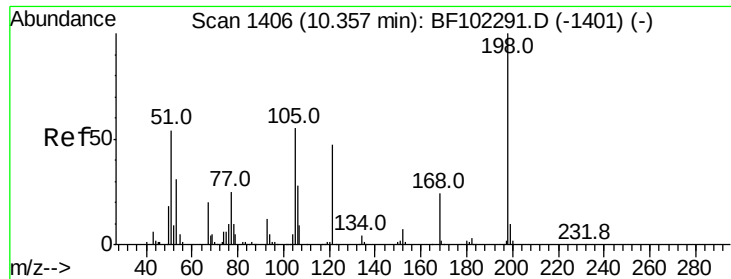
Tot Ion:184 Resp: 117
Ion Ratio Lower Upper
184 100
63 713.0 54.2 81.2#
154 541.4 184.0 276.0#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.05 min
Lab File: BF102673.D
Acq: 31 Jan 2018 23:41

Tgt Ion:188 Resp: 1927
Ion Ratio Lower Upper
188 100
94 762.3 8.5 12.7#
80 742.2 9.2 13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 96.530 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.06 min

Lab File: BF102673.D

Acq: 31 Jan 2018 23:41

Instrument :

BNA_F

ClientSampleId :

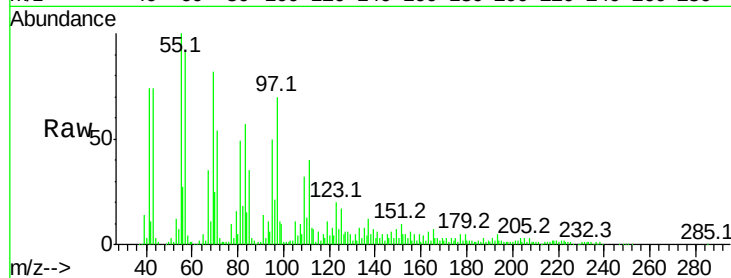
Tot Ion:198 Resp: 1241

Ion Ratio Lower Upper

198 100

51 513.2 37.7 77.7#

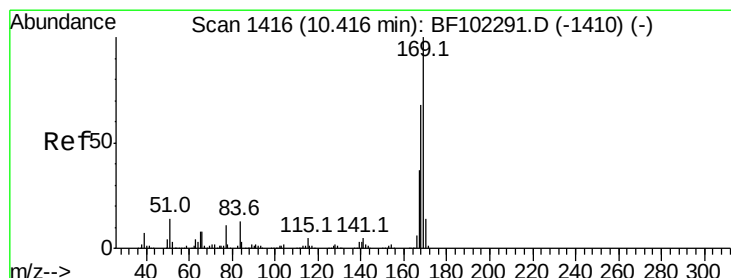
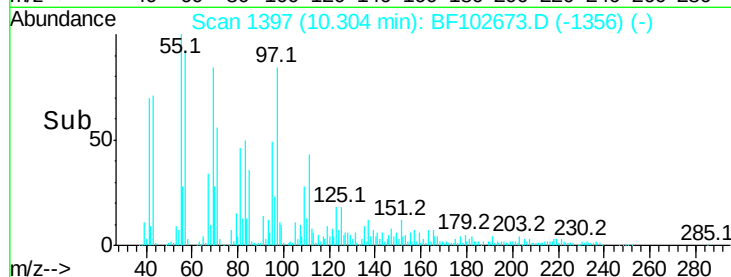
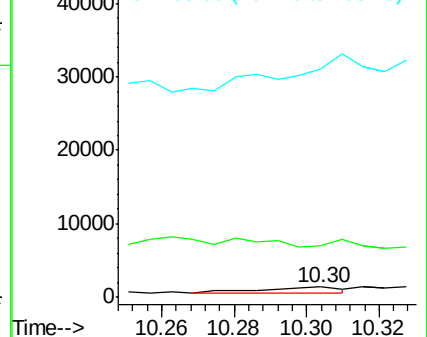
105 2279.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 57.290 ng

RT: 10.36 min Scan# 1406

Delta R.T. -0.05 min

Lab File: BF102673.D

Acq: 31 Jan 2018 23:41

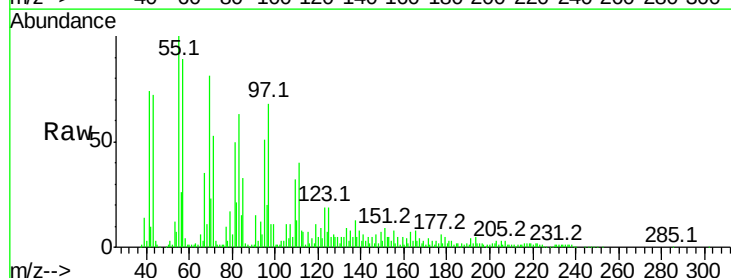
Tgt Ion:169 Resp: 4052

Ion Ratio Lower Upper

169 100

168 52.2 54.4 81.6#

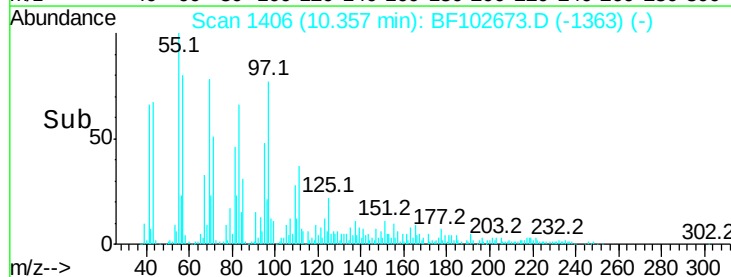
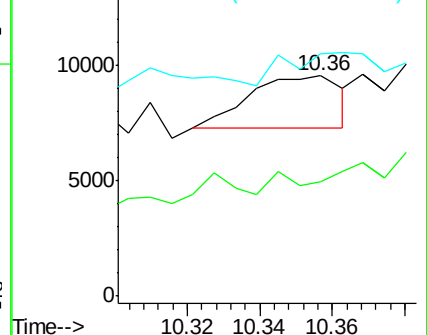
167 110.4 29.8 44.6#

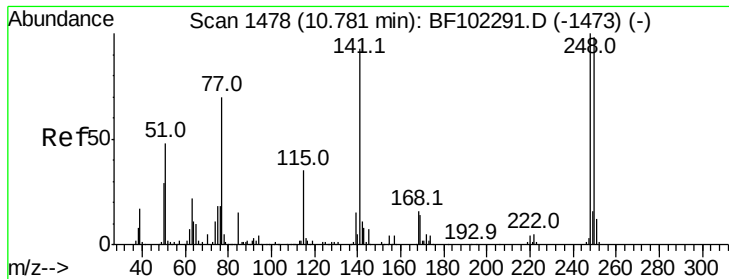


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

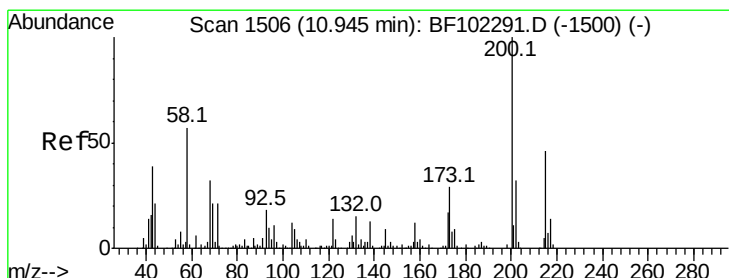
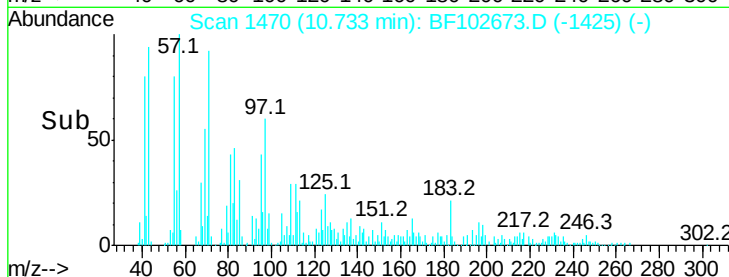
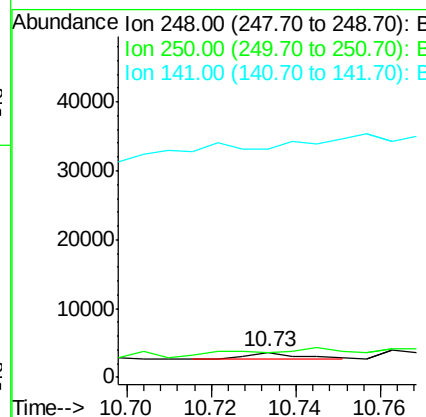
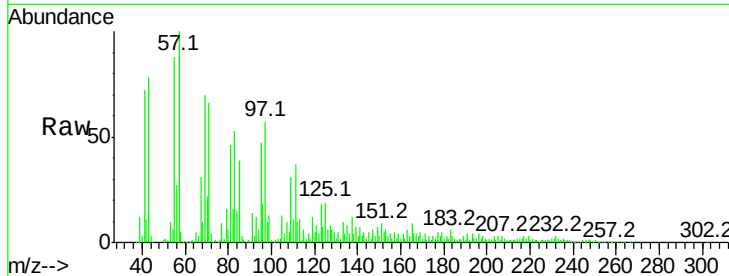




#66
4-Bromophenyl-phenylether
Concen: 45.555 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.04 min
Lab File: BF102673.D
Acq: 31 Jan 2018 23:41

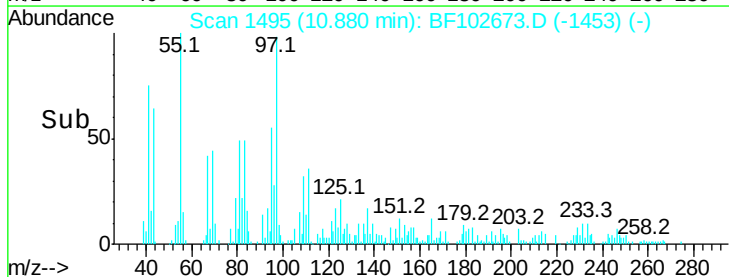
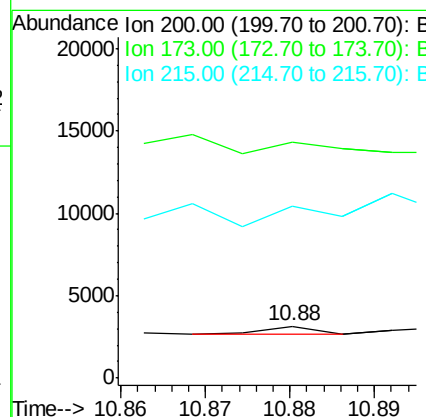
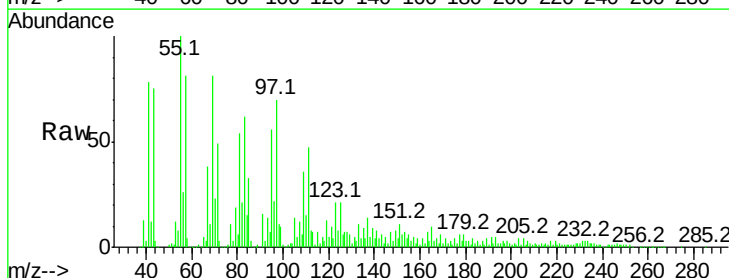
Instrument :
BNA_F
ClientSampleId :

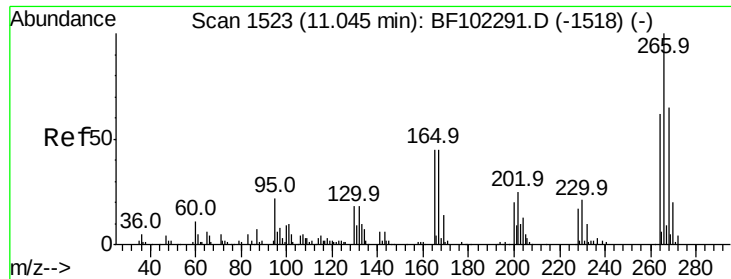
Tot Ion:248 Resp: 945
Ion Ratio Lower Upper
248 100
250 100.2 76.9 115.3
141 923.0 74.4 111.6#



#68
Atrazine
Concen: 10.532 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.05 min
Lab File: BF102673.D
Acq: 31 Jan 2018 23:41

Tgt Ion:200 Resp: 220
Ion Ratio Lower Upper
200 100
173 454.9 8.6 48.6#
215 331.2 25.1 65.1#

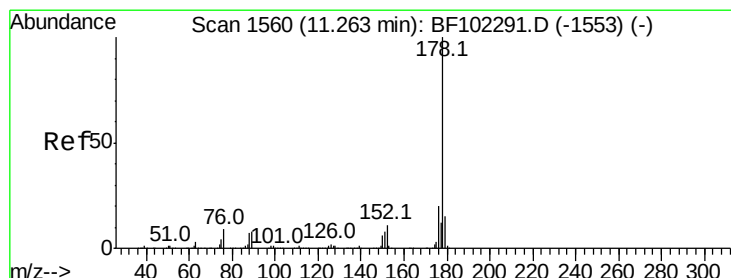
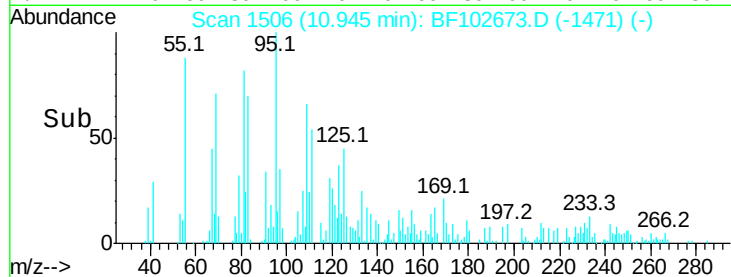
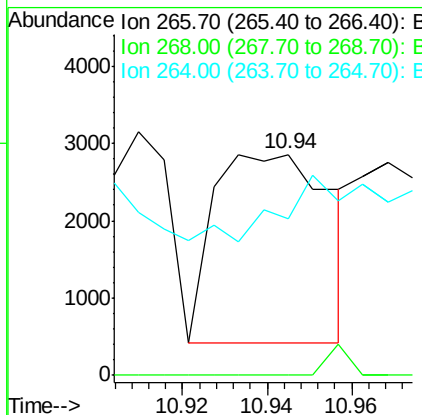
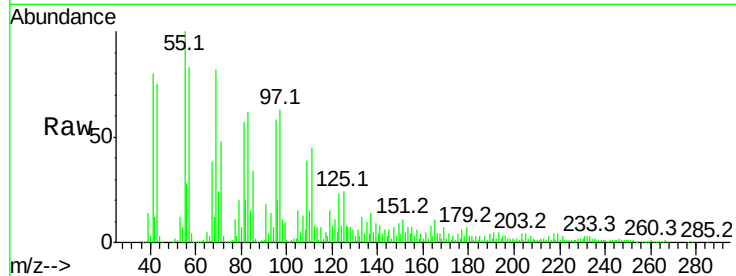




#69
 Pentachlorophenol
 Concen: 380.807 ng
 RT: 10.94 min Scan# 1506
 Delta R.T. -0.09 min
 Lab File: BF102673.D
 Acq: 31 Jan 2018 23:41

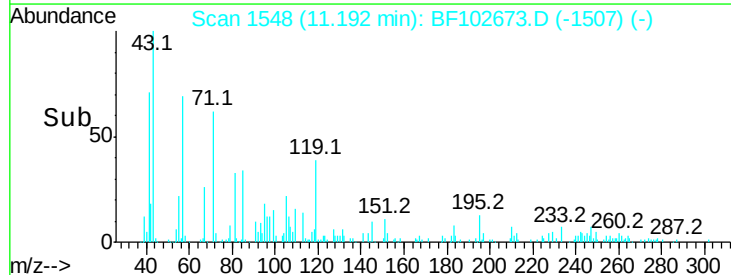
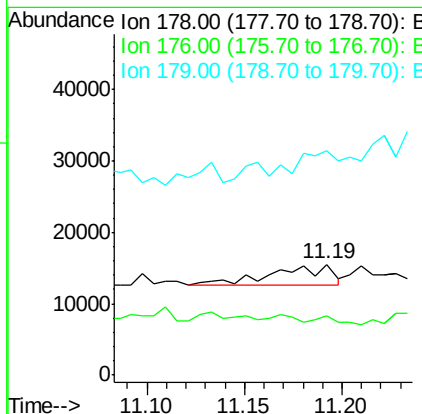
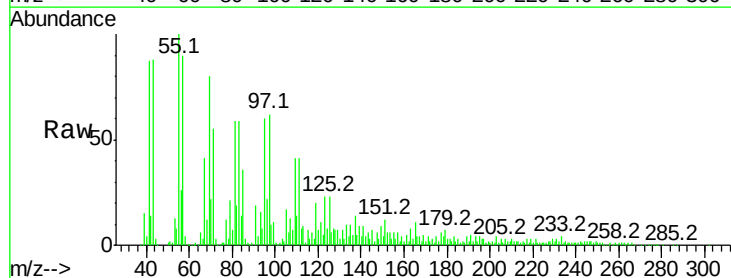
Instrument :
 BNA_F
 ClientSampled :

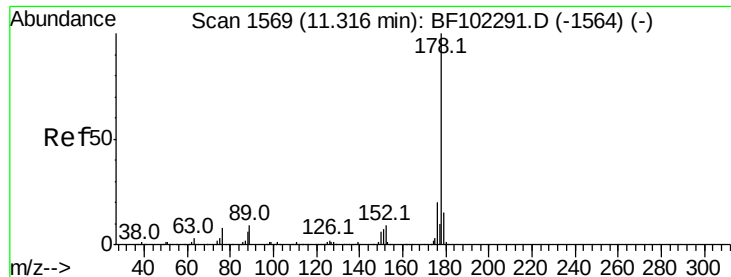
Tot Ion:266 Resp: 4641
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 70.9 49.5 74.3



#70
 Phenanthrene
 Concen: 56.185 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.06 min
 Lab File: BF102673.D
 Acq: 31 Jan 2018 23:41

Tgt Ion:178 Resp: 6309
 Ion Ratio Lower Upper
 178 100
 176 53.7 15.8 23.8#
 179 203.3 13.0 19.6#

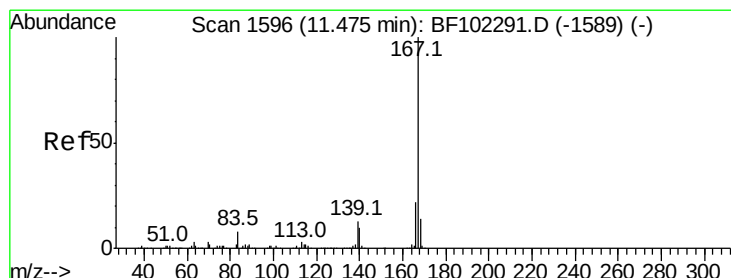
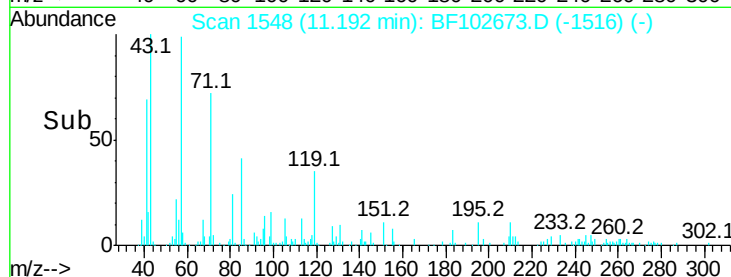
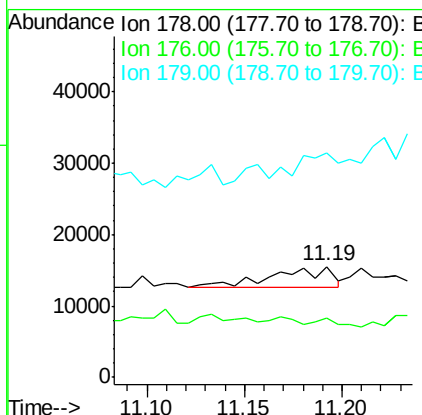
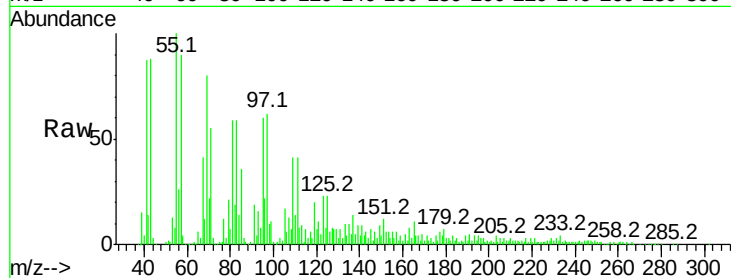




#71
 Anthracene
 Concen: 55.046 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.11 min
 Lab File: BF102673.D
 Acq: 31 Jan 2018 23:41

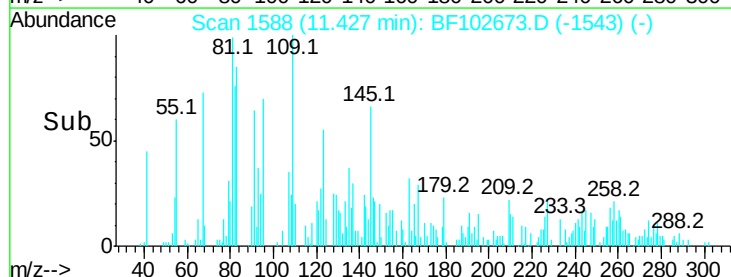
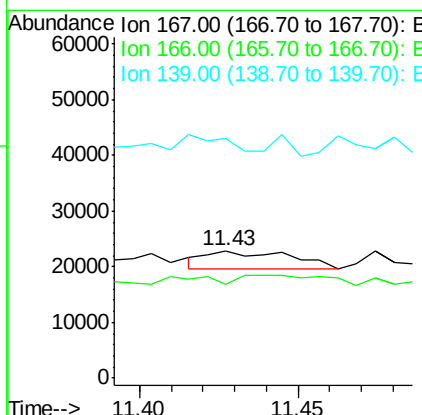
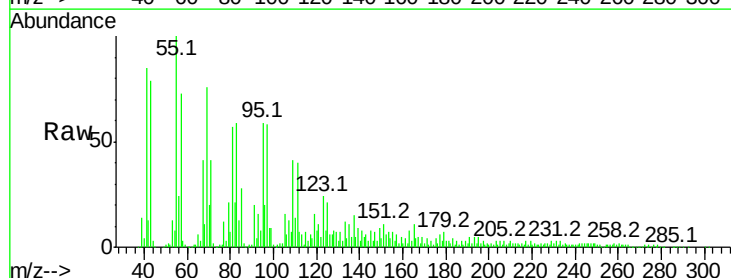
Instrument :
 BNA_F
 ClientSampled :

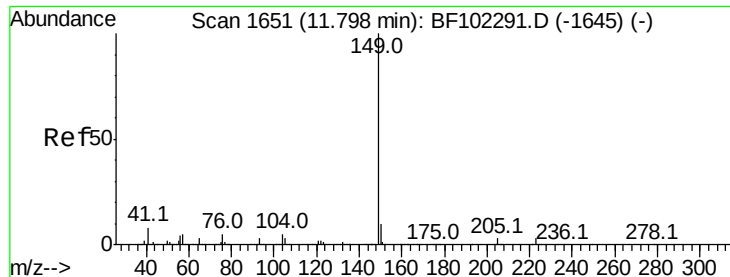
Tot Ion:178 Resp: 6309
 Ion Ratio Lower Upper
 178 100
 176 53.7 15.4 23.2#
 179 203.3 12.6 19.0#



#72
 Carbazole
 Concen: 52.640 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.04 min
 Lab File: BF102673.D
 Acq: 31 Jan 2018 23:41

Tgt Ion:167 Resp: 5886
 Ion Ratio Lower Upper
 167 100
 166 73.7 17.6 26.4#
 139 187.7 10.9 16.3#





#73

Di-n-butylphthalate

Concen: 20.656 ng

RT: 11.71 min Scan# 1636

Delta R.T. -0.07 min

Lab File: BF102673.D

Acq: 31 Jan 2018 23:41

Instrument :

BNA_F

ClientSampleId :

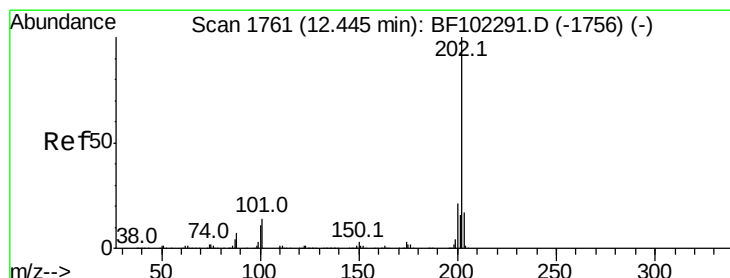
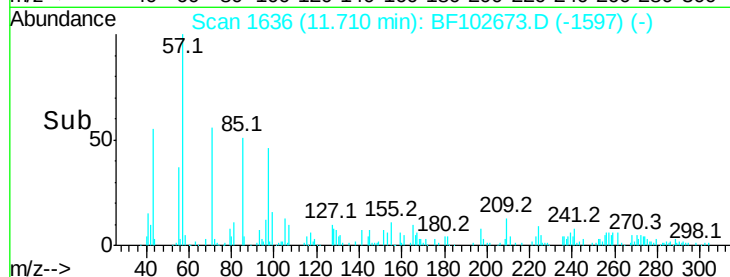
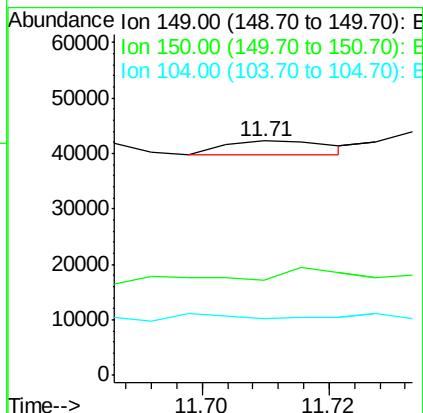
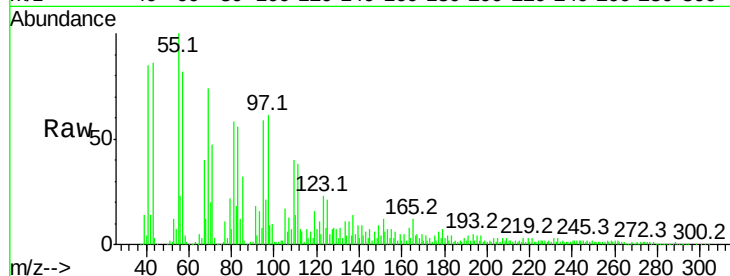
Tot Ion:149 Resp: 2887

Ion Ratio Lower Upper

149 100

150 40.5 7.8 11.6#

104 24.5 3.8 5.8#



#74

Fluoranthene

Concen: 20.627 ng

RT: 12.38 min Scan# 1750

Delta R.T. -0.06 min

Lab File: BF102673.D

Acq: 31 Jan 2018 23:41

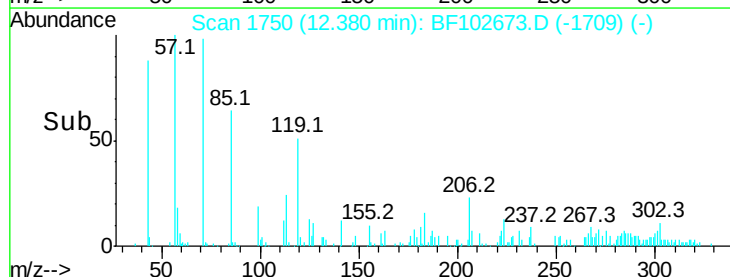
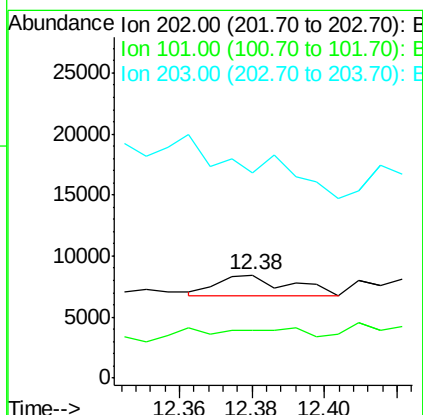
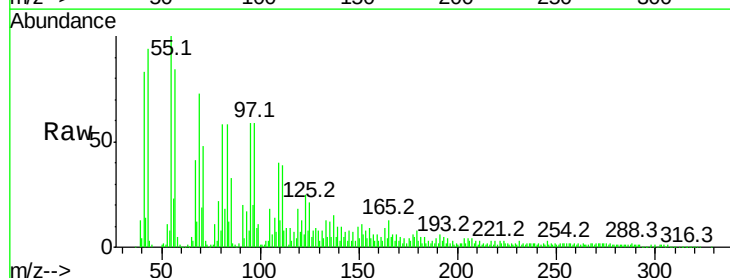
Tgt Ion:202 Resp: 2362

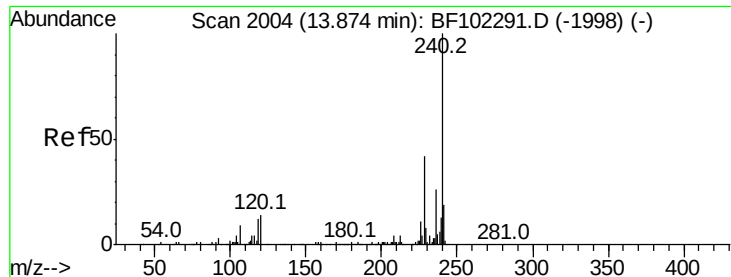
Ion Ratio Lower Upper

202 100

101 46.5 0.0 34.1#

203 198.6 0.0 38.1#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.09 min

Lab File: BF102673.D

Acq: 31 Jan 2018 23:41

Instrument :

BNA_F

ClientSampleId :

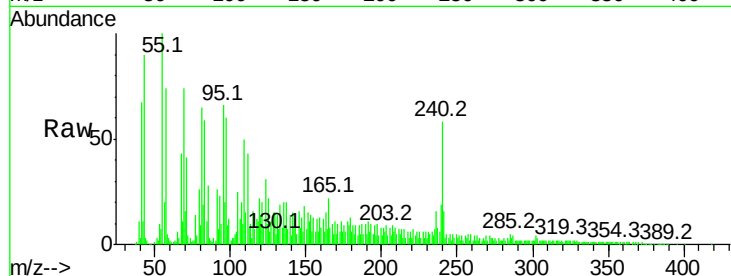
Tot Ion:240 Resp: 107298

Ion Ratio Lower Upper

240 100

120 23.7 9.5 14.3#

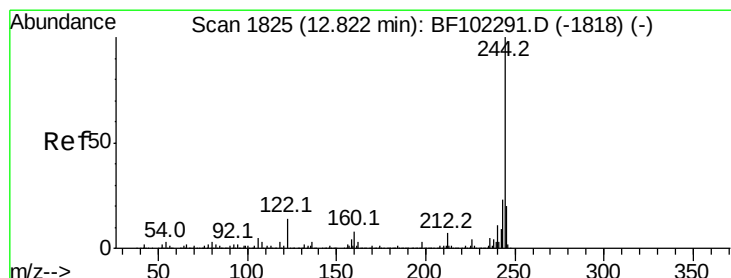
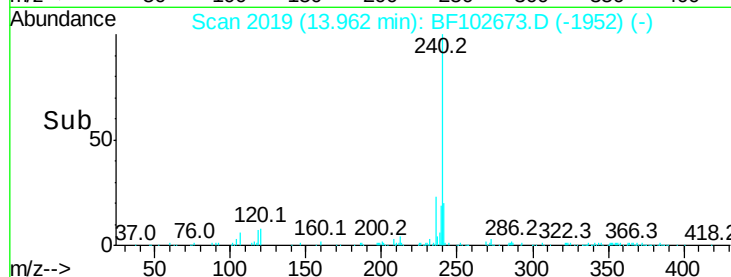
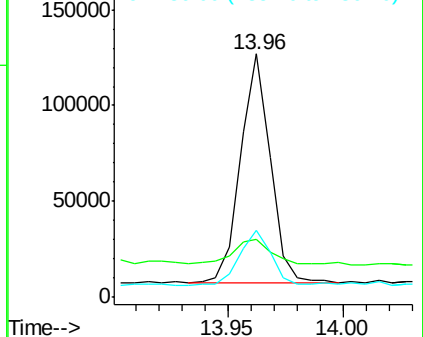
236 27.5 20.7 31.1



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



#78

Terphenyl-d14

Concen: 39.770 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.13 min

Lab File: BF102673.D

Acq: 31 Jan 2018 23:41

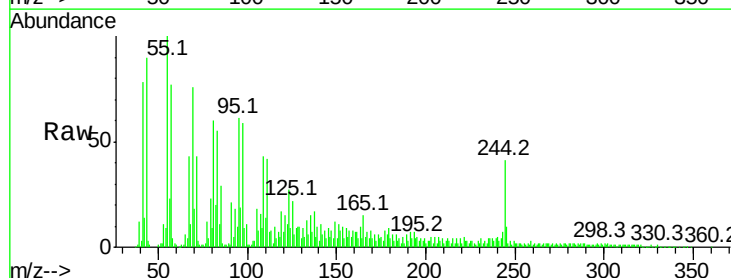
Tgt Ion:244 Resp: 189290

Ion Ratio Lower Upper

244 100

212 9.3 5.4 8.0#

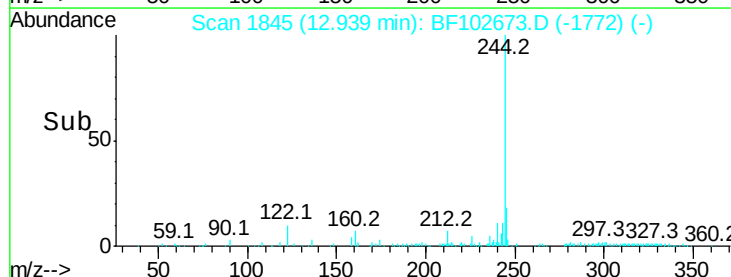
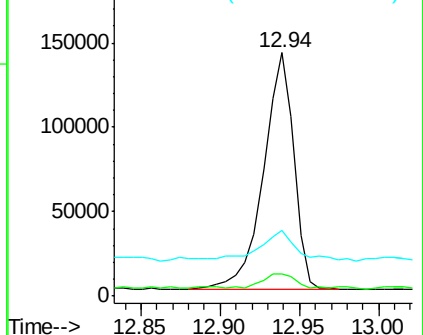
122 26.7 11.0 16.4#

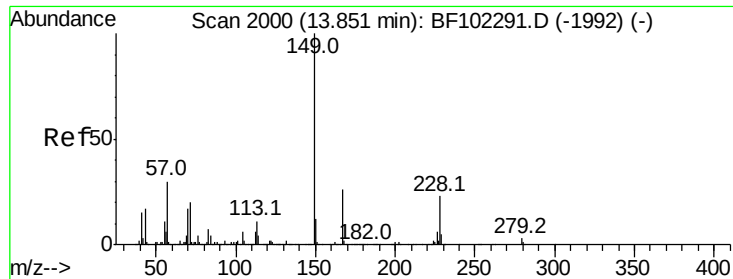


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

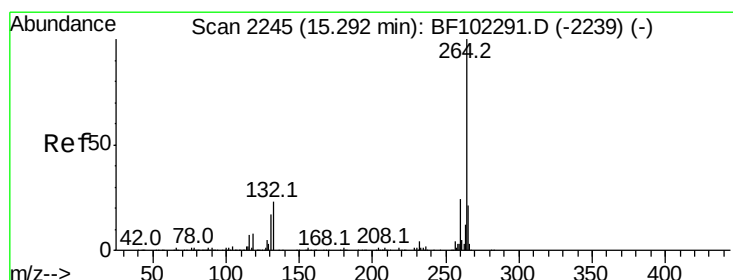
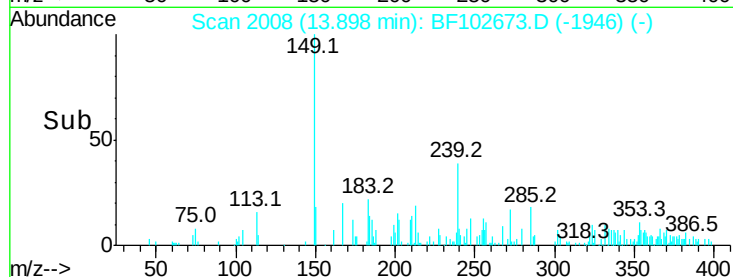
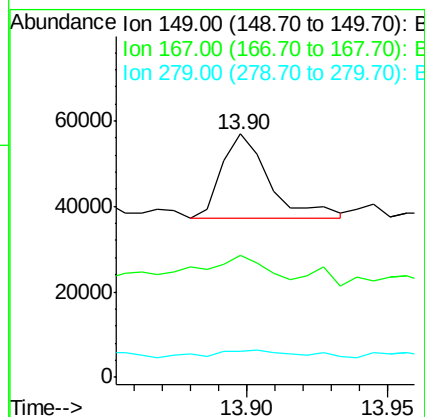
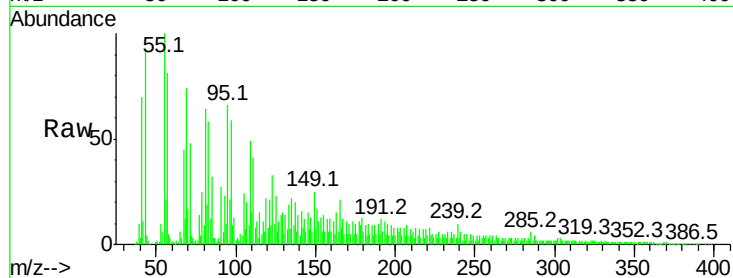




#83
Bis(2-ethylhexyl)phthalate
Concen: 4.104 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.06 min
Lab File: BF102673.D
Acq: 31 Jan 2018 23:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 22770
Ion Ratio Lower Upper
149 100
167 50.2 21.3 31.9#
279 10.9 3.0 4.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.07 min
Lab File: BF102673.D
Acq: 31 Jan 2018 23:41

Tgt Ion:264 Resp: 136326
Ion Ratio Lower Upper
264 100
260 26.4 19.2 28.8
265 23.7 17.5 26.3

