

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103890.D
 Acq On : 23 Mar 2018 19:40
 Operator : JU/SJ
 Sample : J1867-03DL 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 23:10:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	136391	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	504926	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	197311	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	329300	20.00	ng	0.00
75) Chrysene-d12	14.16	240	281413	20.00	ng	0.00
86) Perylene-d12	15.70	264	216371	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	264337	29.48	ng	0.00
7) Phenol-d6	6.59	99	189208	17.25	ng	-0.01
23) Nitrobenzene-d5	7.53	82	397285	54.87	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	134996	79.57	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	742415	60.02	ng	0.00
78) Terphenyl-d14	13.10	244	614762	50.71	ng	0.00

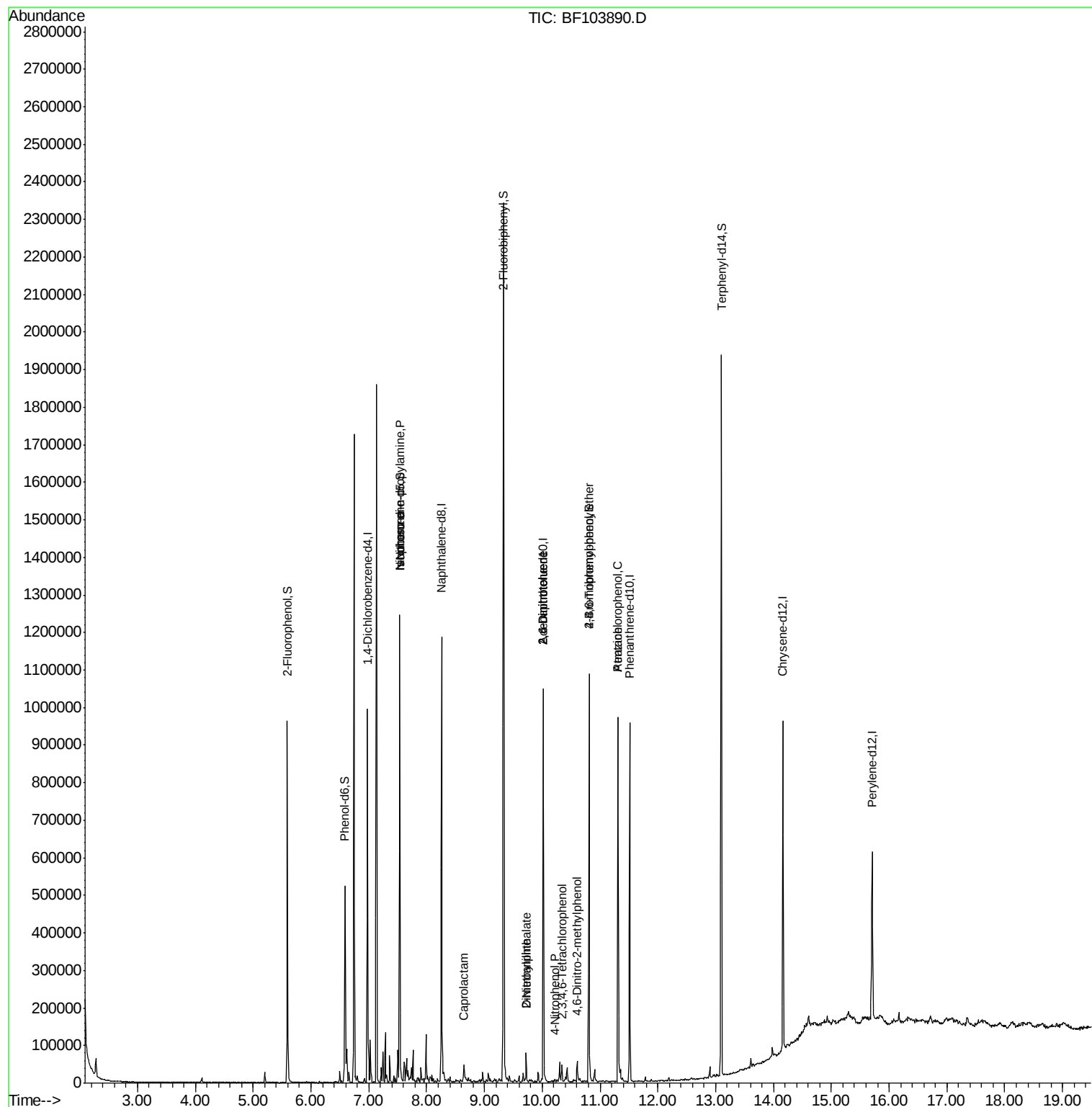
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	50507	7.184	ng	# 75
25) Isophorone	7.53	82	397282	23.702	ng	# 64
35) Caprolactam	8.65	113	6888	3.062	ng	# 84
47) 2-Nitroaniline	9.72	65	253	6.878	ng	# 1
49) Dimethylphthalate	9.72	163	31528	2.094	ng	# 98
50) 2,6-Dinitrotoluene	10.02	165	26448	12.312	ng	# 25
55) 4-Nitrophenol	10.22	139	509	5.143	ng	# 9
56) 2,4-Dinitrotoluene	10.02	165	26448	12.454	ng	# 23
58) 2,3,4,6-Tetrachlorophenol	10.34	232	7396	2.568	ng	# 91
64) 4,6-Dinitro-2-methylphenol	10.60	198	9069	15.918	ng	# 23
66) 4-Bromophenyl-phenylether	10.81	248	8147	2.410	ng	# 1
68) Atrazine	11.31	200	20299	5.854	ng	# 37
69) Pentachlorophenol	11.31	266	103659	46.724	ng	# 97

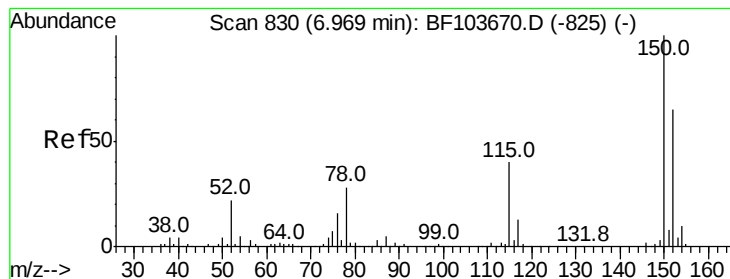
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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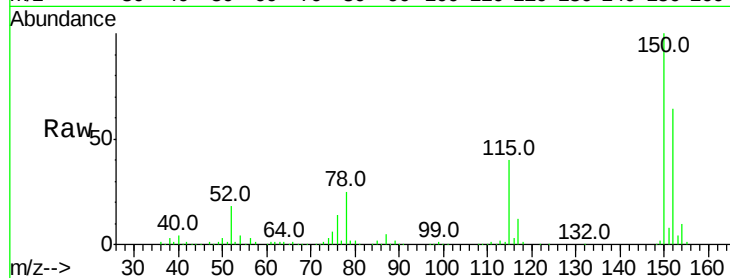


#1

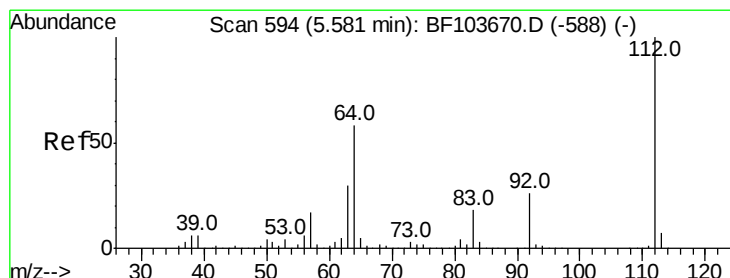
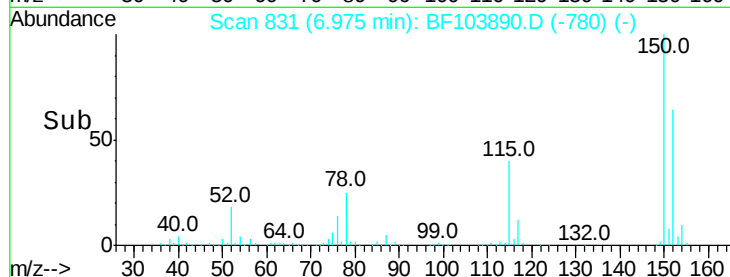
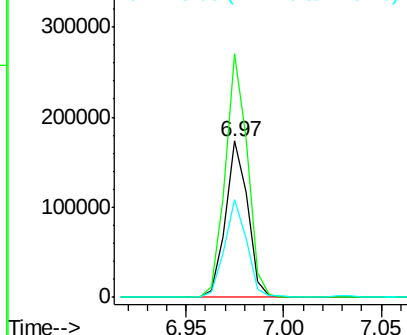
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103890.D
Acq: 23 Mar 2018 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136391
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 62.6 50.1 75.1



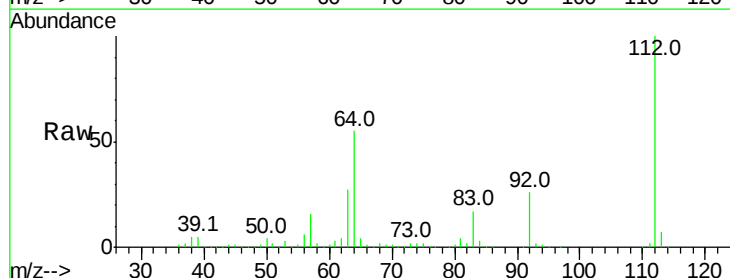
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



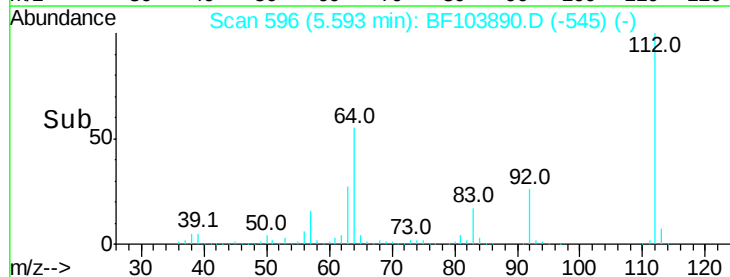
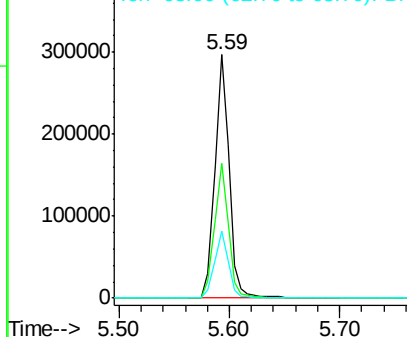
#5

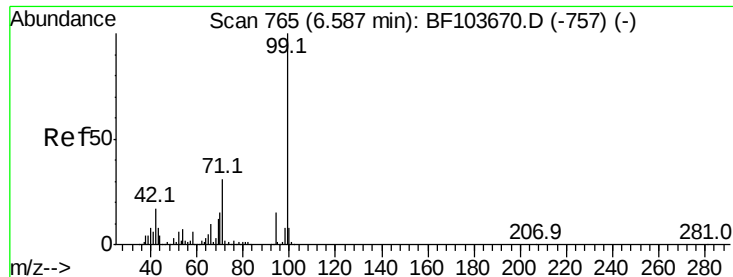
2-Fluorophenol
Concen: 29.478 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF103890.D
Acq: 23 Mar 2018 19:40

Tgt Ion:112 Resp: 264337
Ion Ratio Lower Upper
112 100
64 55.4 47.9 71.9
63 27.4 23.7 35.5



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





#7

Phenol-d6

Concen: 17.247 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103890.D

Acq: 23 Mar 2018 19:40

Instrument :

BNA_F

ClientSampled :

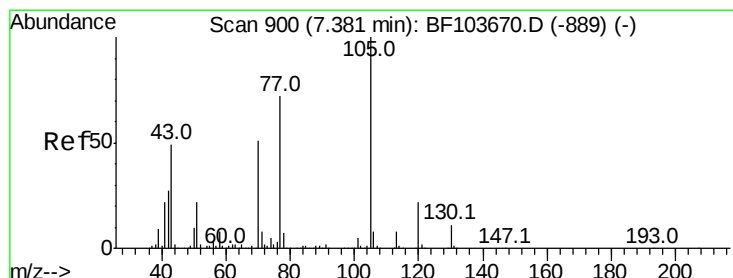
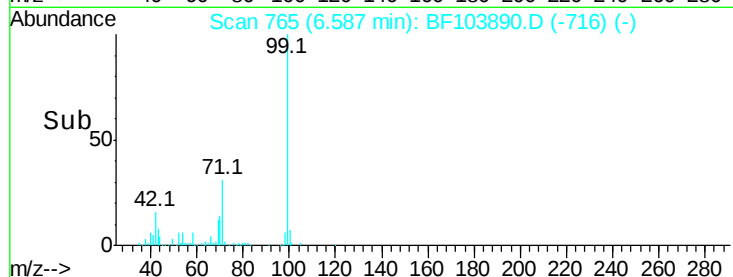
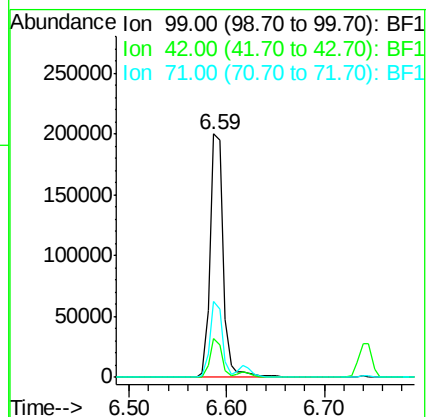
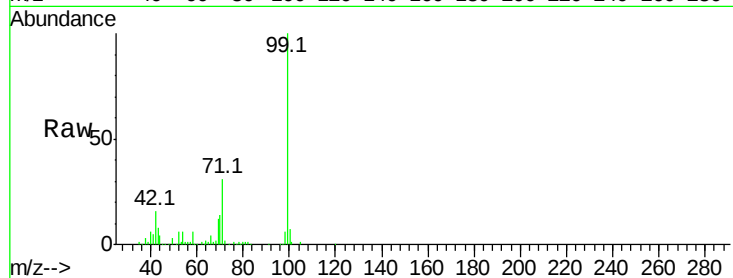
Tot Ion: 99 Resp: 189208

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

71 31.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 7.184 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103890.D

Acq: 23 Mar 2018 19:40

Tgt Ion: 70 Resp: 50507

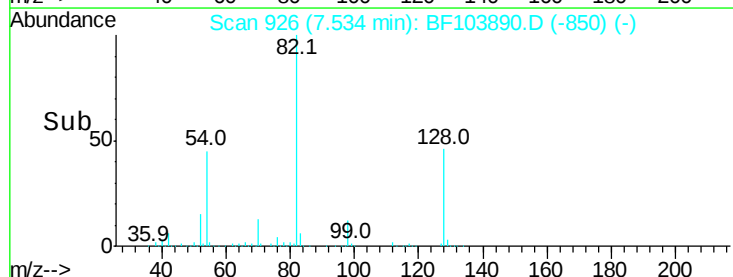
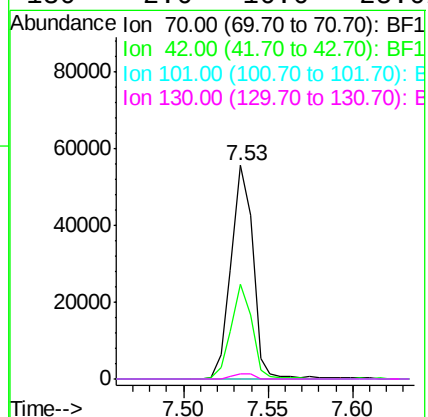
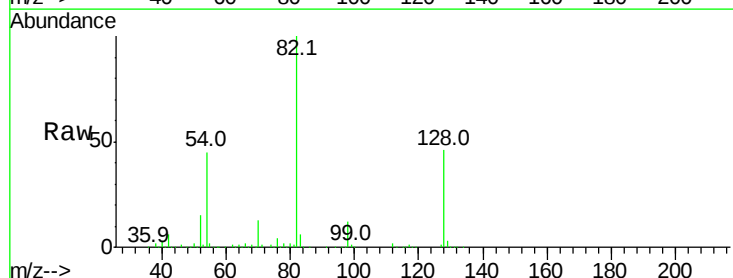
Ion Ratio Lower Upper

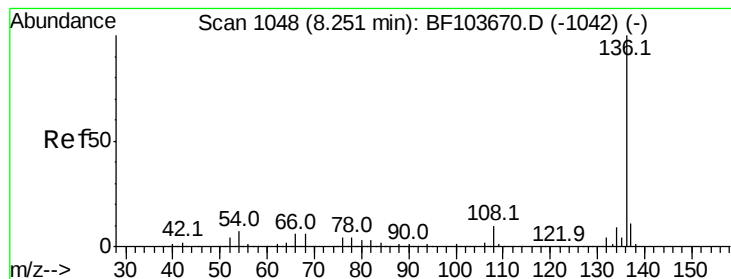
70 100

42 44.4 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: 8.26 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BF103890.D

Acq: 23 Mar 2018 19:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 504926

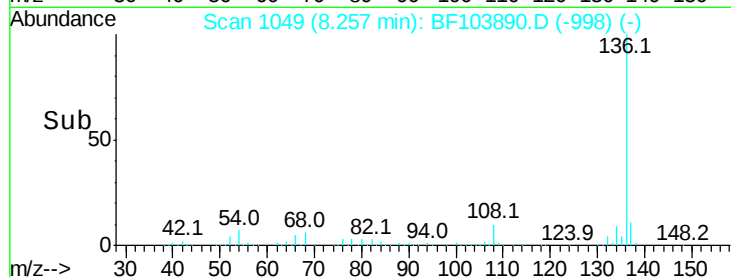
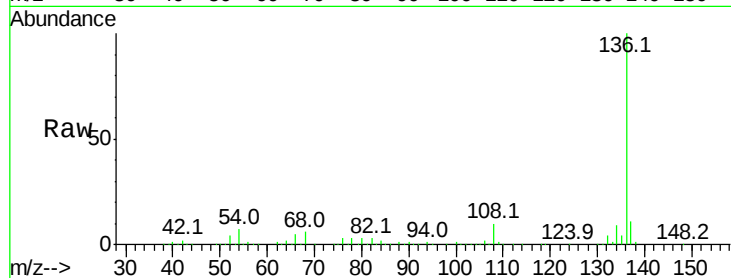
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.4 6.6 9.8

68 6.4 5.0 7.4

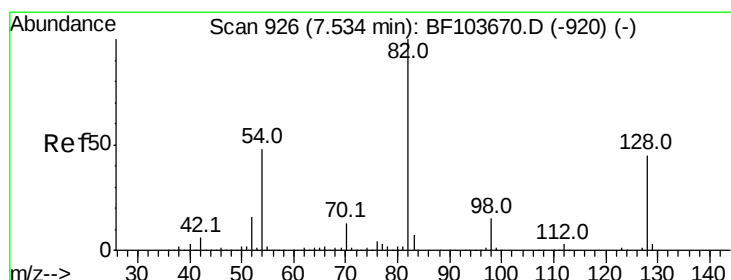
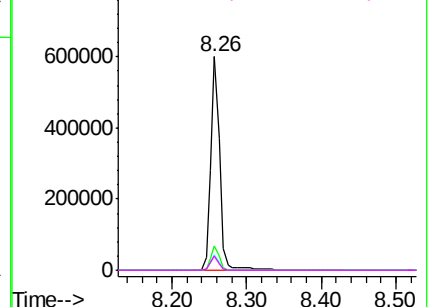


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 54.869 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF103890.D

Acq: 23 Mar 2018 19:40

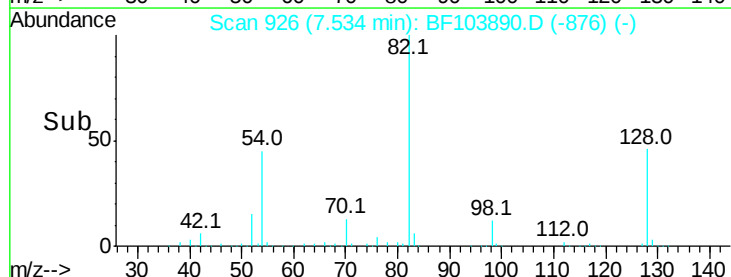
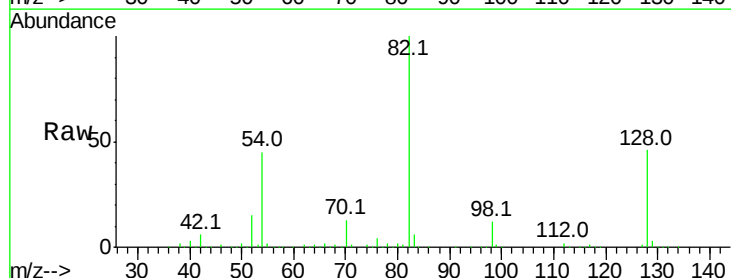
Tgt Ion: 82 Resp: 397285

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

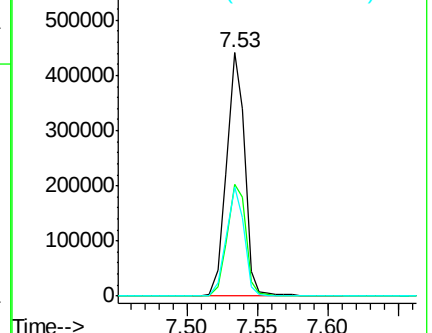
54 45.1 41.4 62.2

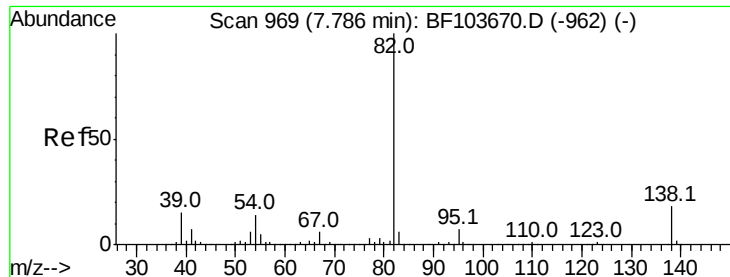


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 23.702 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103890.D

Acq: 23 Mar 2018 19:40

Instrument :

BNA_F

ClientSampleId :

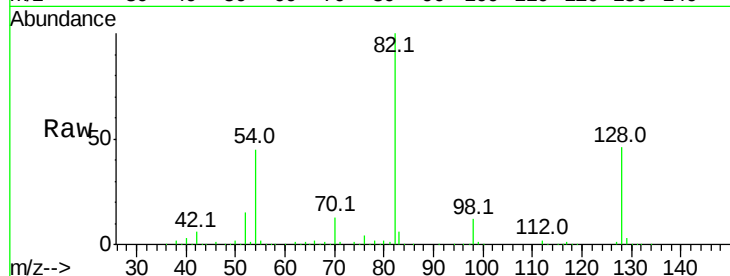
Tot Ion: 82 Resp: 397282

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

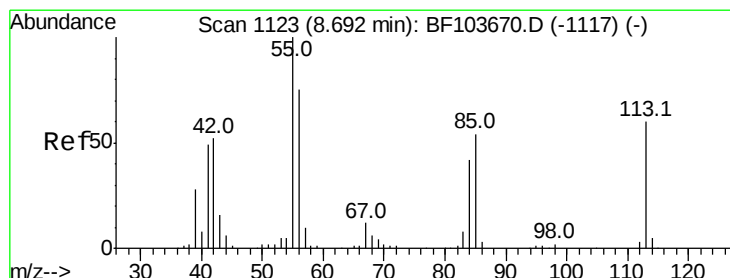
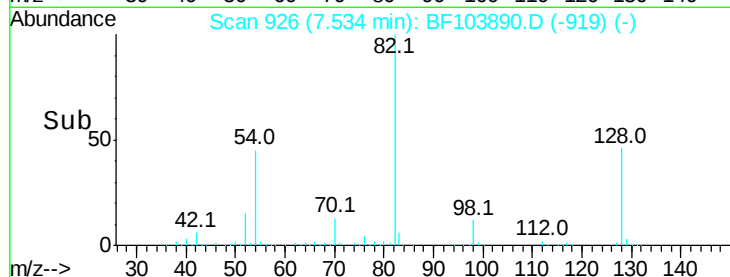
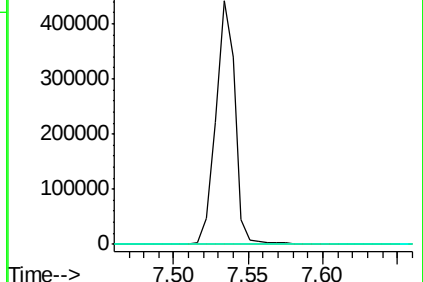
138 0.0 14.9 22.3#



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



#35

Caprolactam

Concen: 3.062 ng

RT: 8.65 min Scan# 1115

Delta R.T. -0.06 min

Lab File: BF103890.D

Acq: 23 Mar 2018 19:40

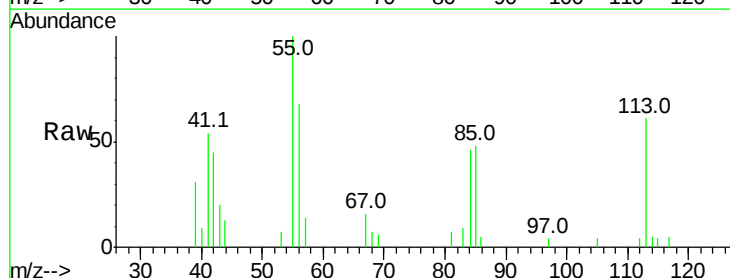
Tgt Ion: 113 Resp: 6888

Ion Ratio Lower Upper

113 100

55 164.9 163.3 203.3

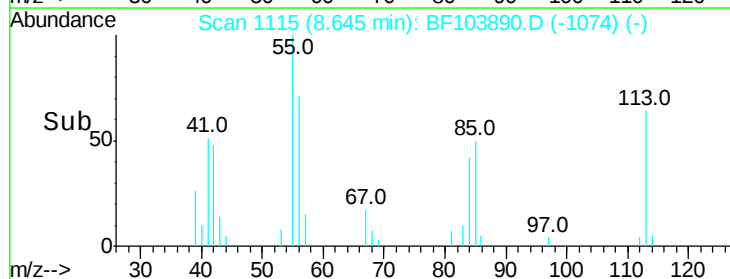
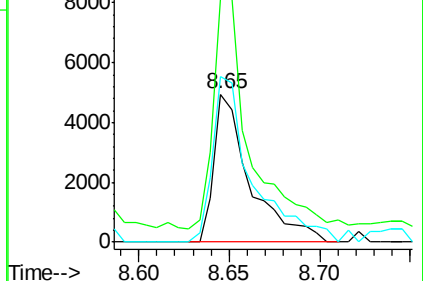
56 111.7 115.7 155.7#

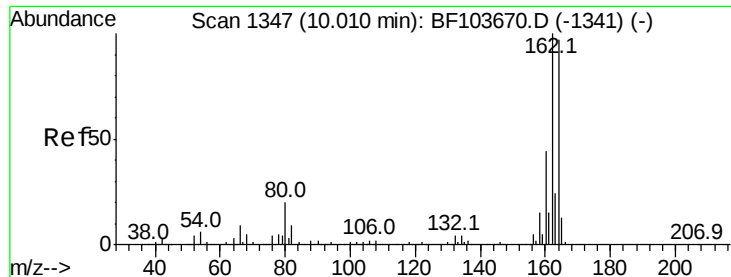


Abundance Ion 113.00 (112.70 to 113.70): BF1

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103890.D

Acq: 23 Mar 2018 19:40

Instrument :

BNA_F

ClientSampleId :

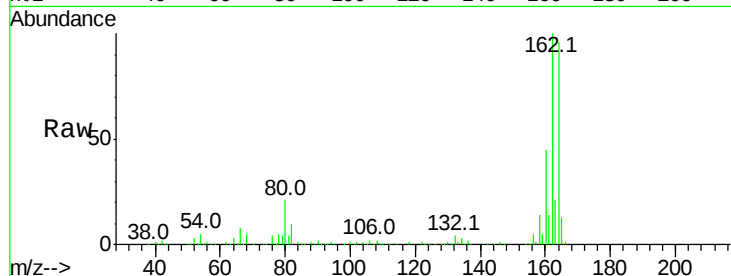
Tot Ion:164 Resp: 197311

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

160 46.8 38.3 57.5

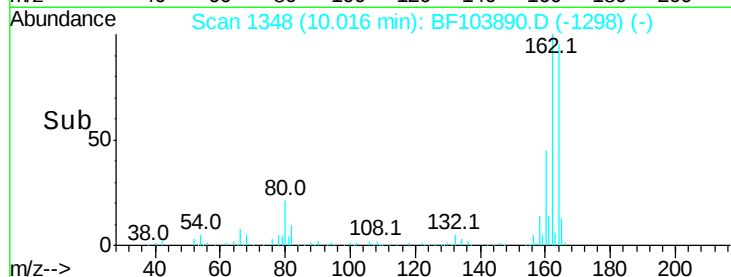


Abundance Ion 164.00 (163.70 to 164.70): E

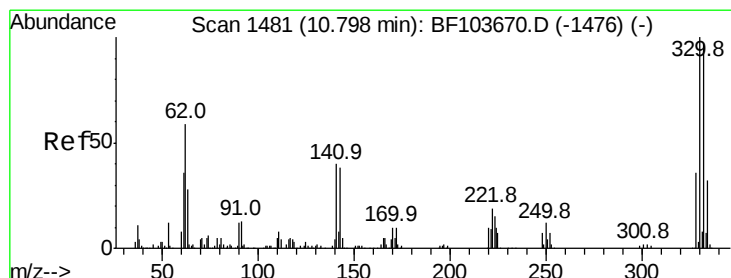
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->



Time-->



#41

2,4,6-Tribromophenol

Concen: 79.574 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BF103890.D

Acq: 23 Mar 2018 19:40

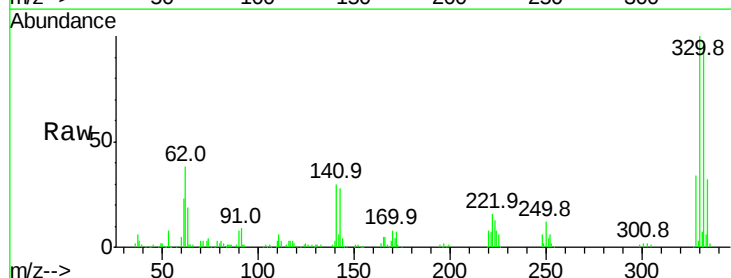
Tgt Ion:330 Resp: 134996

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

141 33.3 29.9 44.9

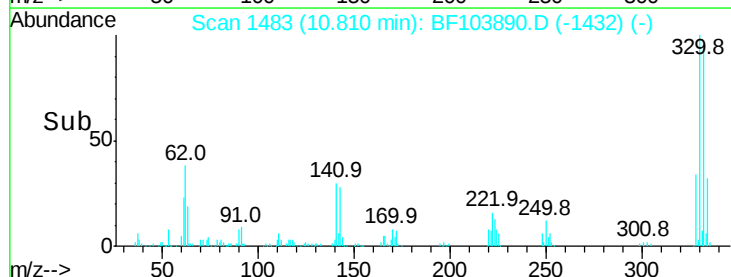


Abundance Ion 329.80 (329.50 to 330.50): E

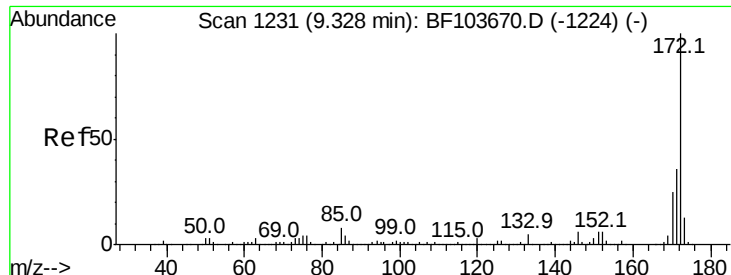
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

Time-->



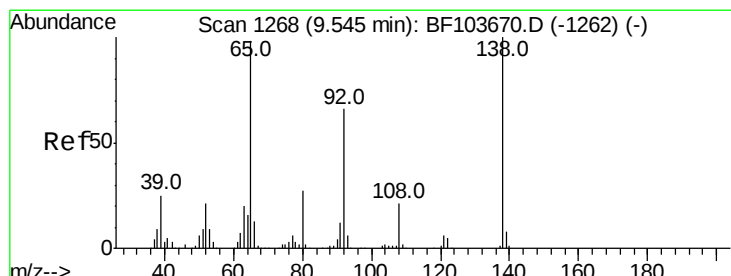
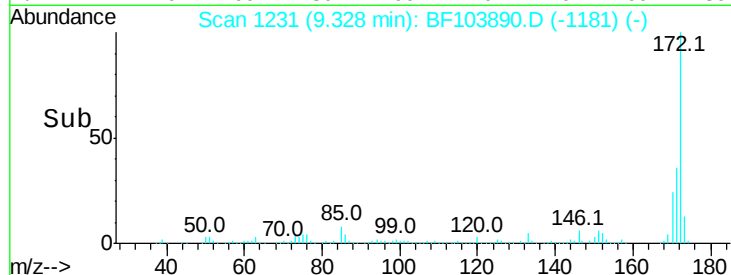
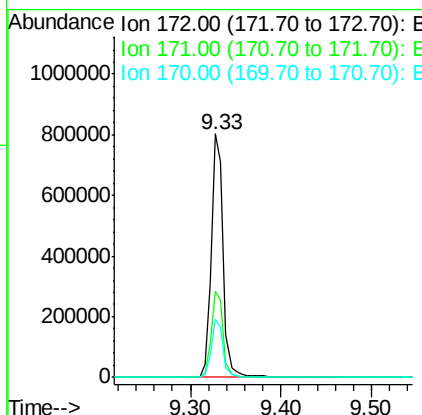
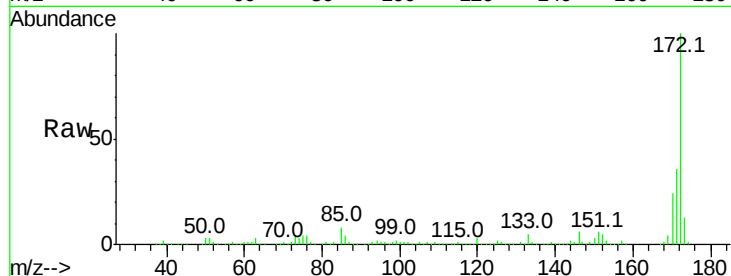
Time-->



#44
 2-Fluorobiphenyl
 Concen: 60.020 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103890.D
 Acq: 23 Mar 2018 19:40

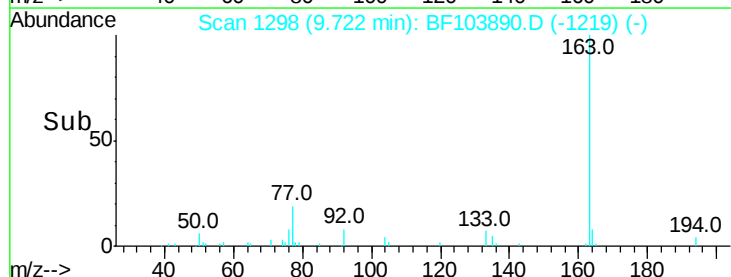
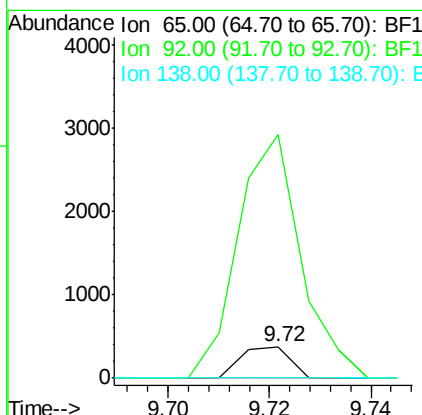
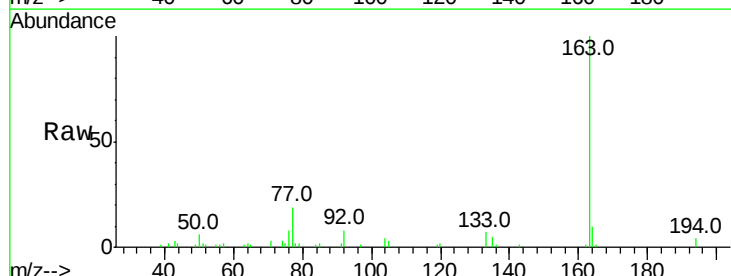
Instrument :
 BNA_F
 ClientSampleId :

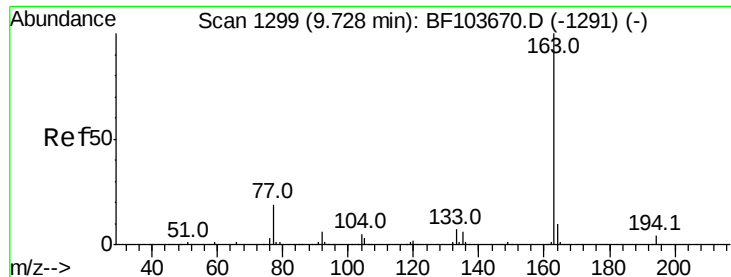
Tot Ion:172 Resp: 742415
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.6 19.6 29.4



#47
 2-Nitroaniline
 Concen: 6.878 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.16 min
 Lab File: BF103890.D
 Acq: 23 Mar 2018 19:40

Tgt Ion: 65 Resp: 253
 Ion Ratio Lower Upper
 65 100
 92 770.3 55.8 83.6#
 138 0.0 91.2 136.8#

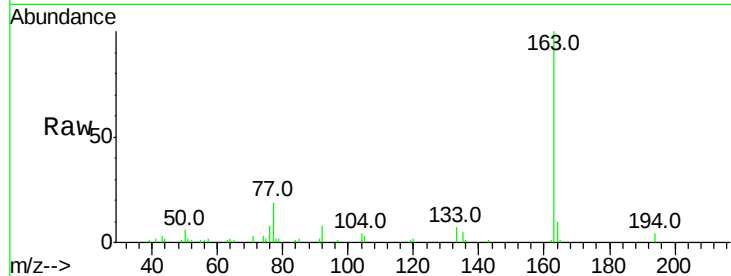




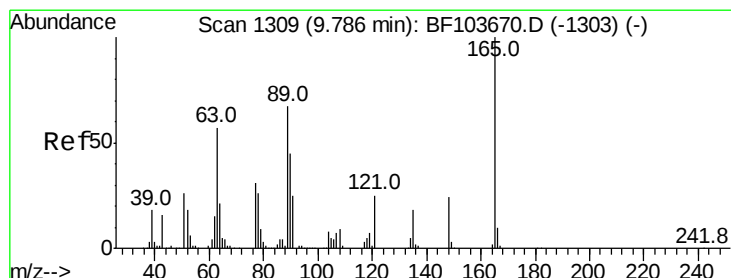
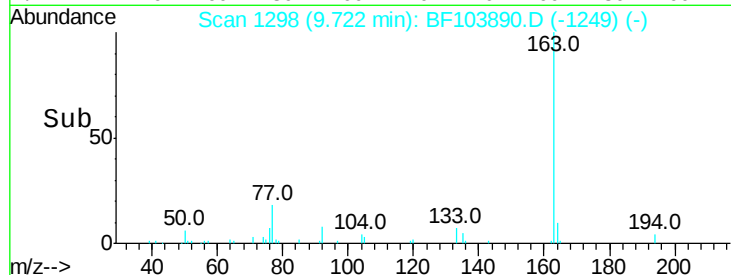
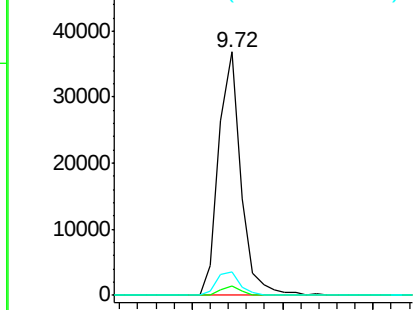
#49
Dimethylphthalate
Concen: 2.094 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF103890.D
Acq: 23 Mar 2018 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 31528
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.5 8.2 12.2

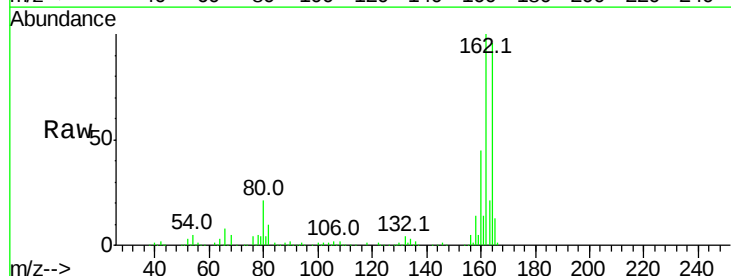


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

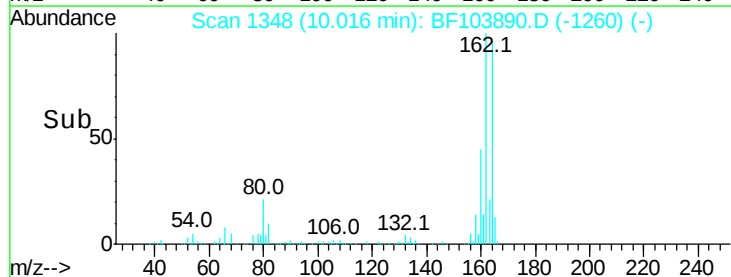
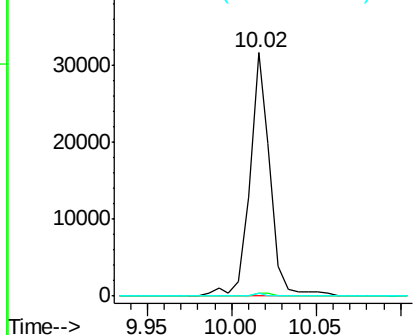


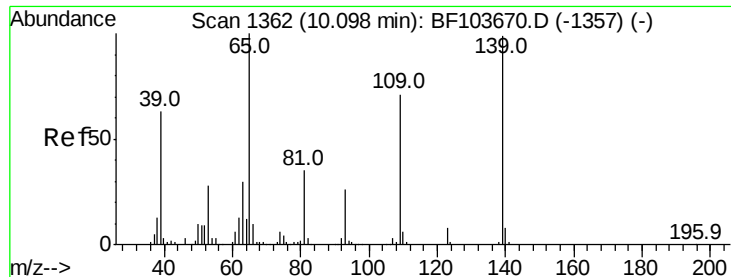
#50
2,6-Dinitrotoluene
Concen: 12.312 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.22 min
Lab File: BF103890.D
Acq: 23 Mar 2018 19:40

Tgt Ion:165 Resp: 26448
Ion Ratio Lower Upper
165 100
63 1.0 44.7 67.1#
89 1.1 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





#55

4-Nitrophenol

Concen: 5.143 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.10 min

Lab File: BF103890.D

Acq: 23 Mar 2018 19:40

Instrument :

BNA_F

ClientSampleId :

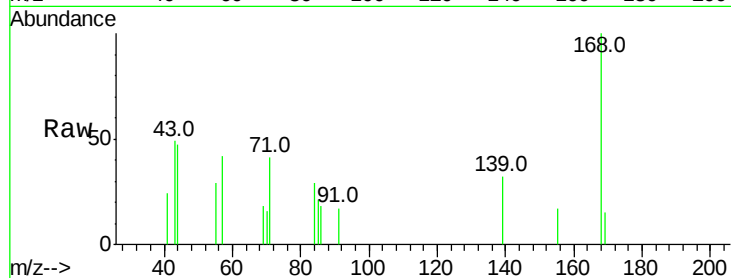
Tot Ion:139 Resp: 509

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

10.22

600

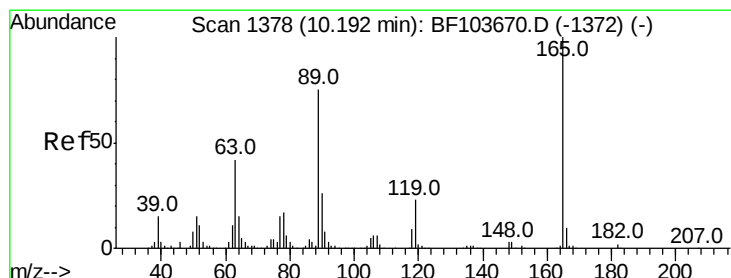
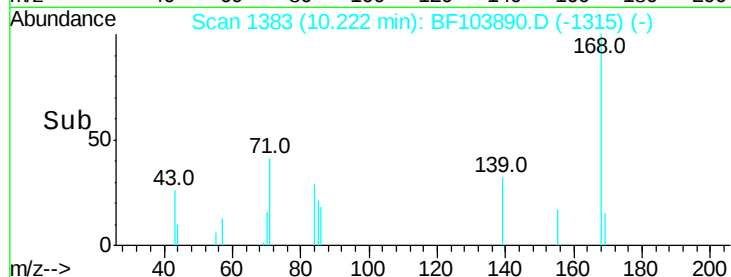
400

200

0

10.20 10.22 10.24

Time-->



#56

2,4-Dinitrotoluene

Concen: 12.454 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.19 min

Lab File: BF103890.D

Acq: 23 Mar 2018 19:40

Tgt Ion:165 Resp: 26448

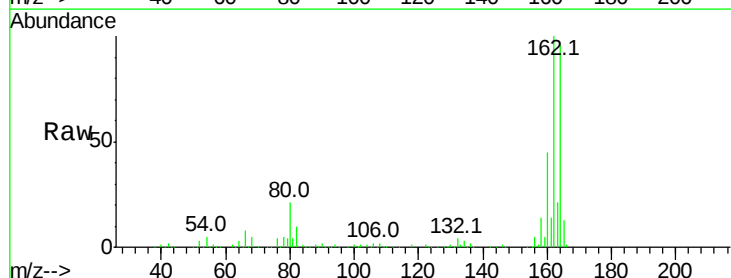
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.1 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

10.02

50000

40000

30000

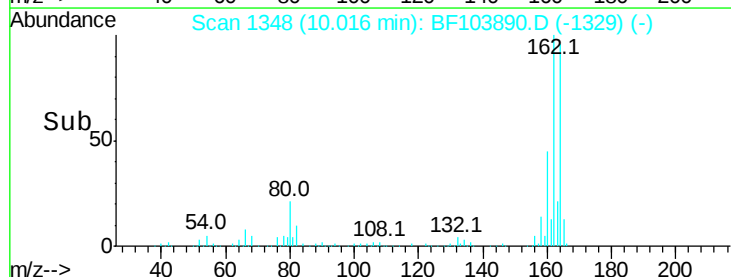
20000

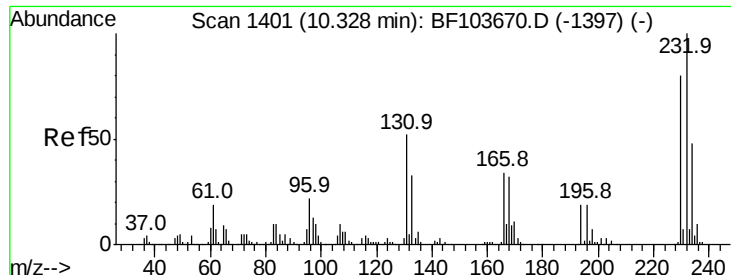
10000

0

9.95 10.00 10.05

Time-->



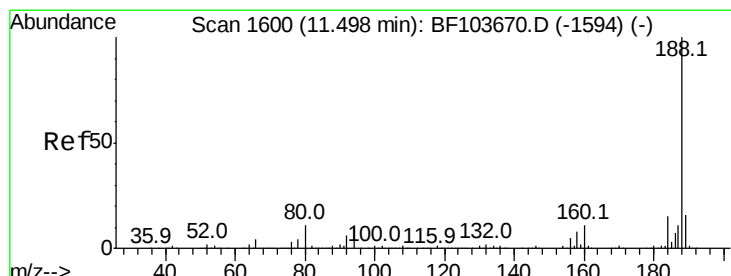
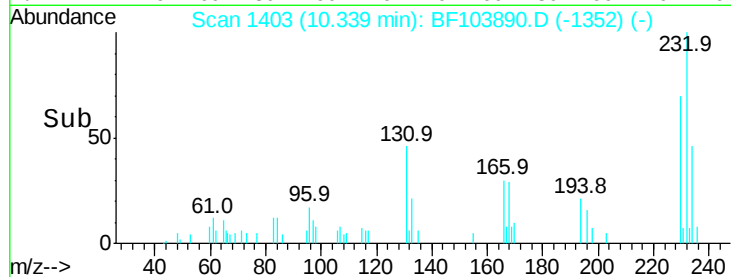
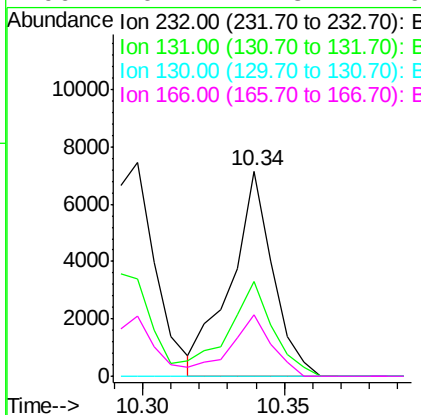
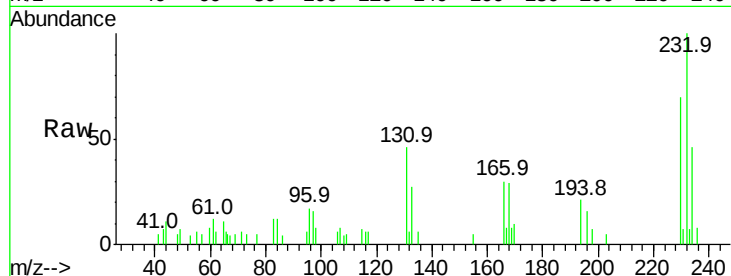


#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.568 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: BF103890.D
 Acq: 23 Mar 2018 19:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:232 Resp: 7396

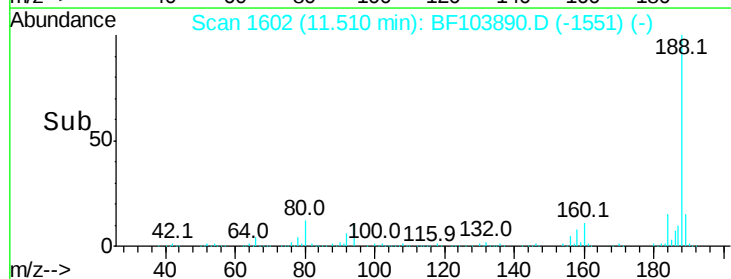
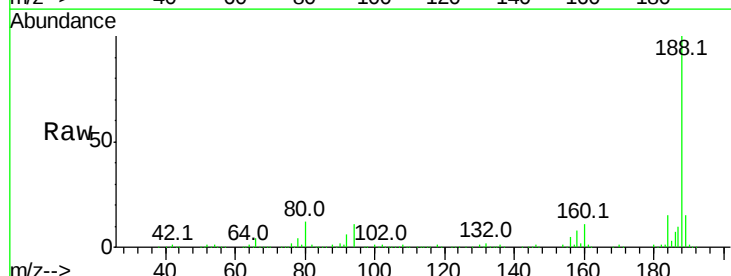
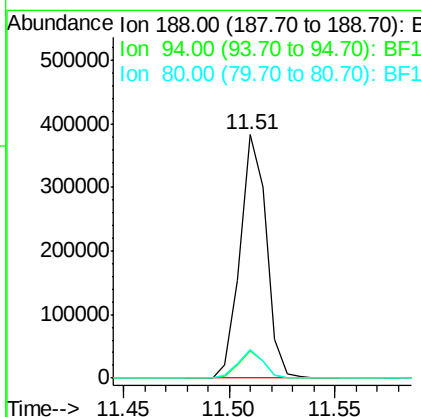
Ion	Ratio	Lower	Upper
232	100		
131	48.8	43.8	65.8
130	0.0	2.1	3.1
166	29.4	27.8	41.6

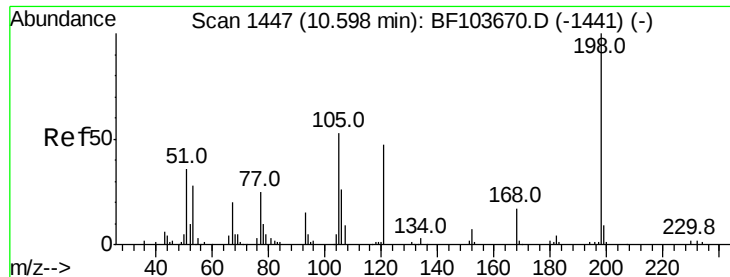


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BF103890.D
 Acq: 23 Mar 2018 19:40

Tgt Ion:188 Resp: 329300

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.8	9.2	13.8

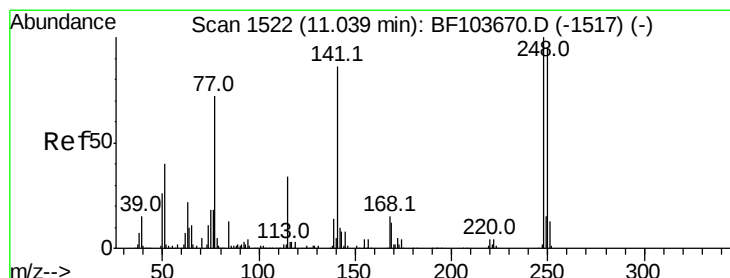
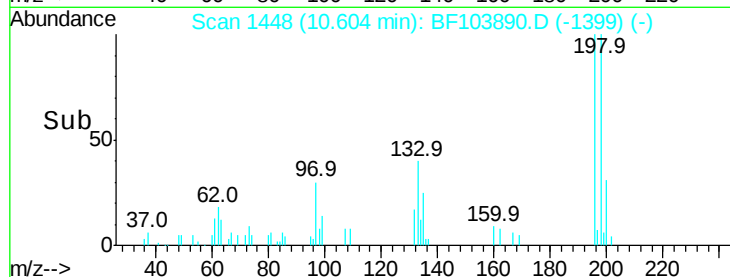
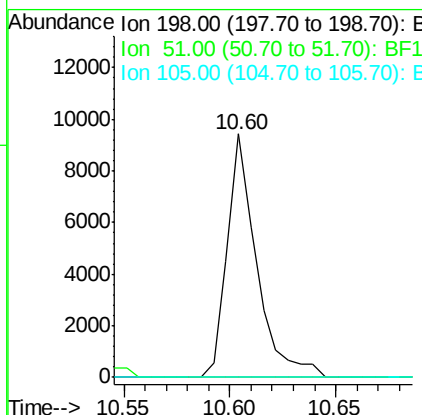
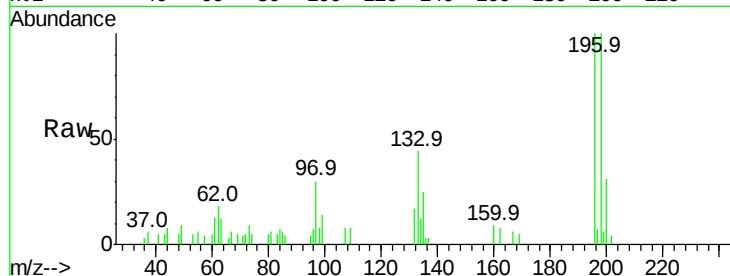




#64
 4,6-Dinitro-2-methylphenol
 Concen: 15.918 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF103890.D
 Acq: 23 Mar 2018 19:40

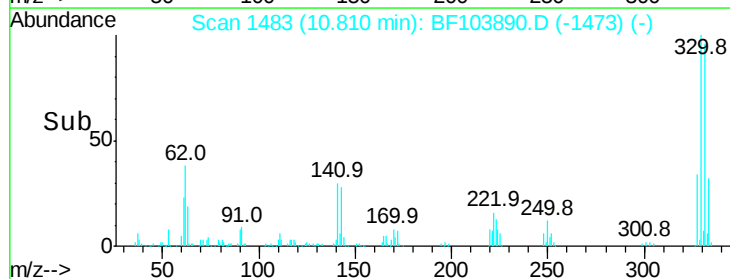
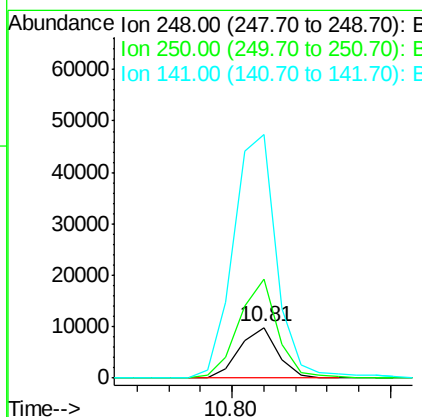
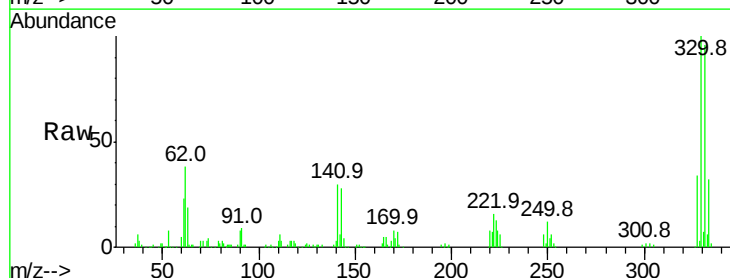
Instrument :
 BNA_F
 ClientSampleId :

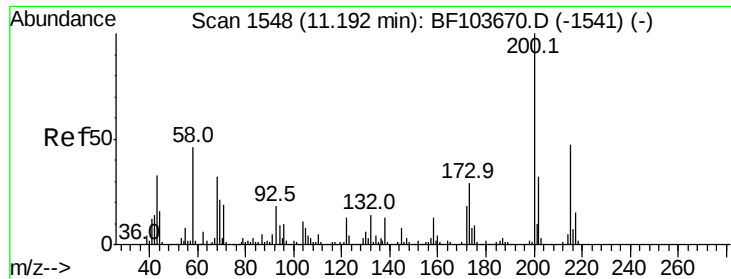
Tot Ion:198 Resp: 9069
 Ion Ratio Lower Upper
 198 100
 51 0.0 37.7 77.7#
 105 0.0 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 2.410 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.24 min
 Lab File: BF103890.D
 Acq: 23 Mar 2018 19:40

Tgt Ion:248 Resp: 8147
 Ion Ratio Lower Upper
 248 100
 250 194.7 76.9 115.3#
 141 480.7 74.4 111.6#

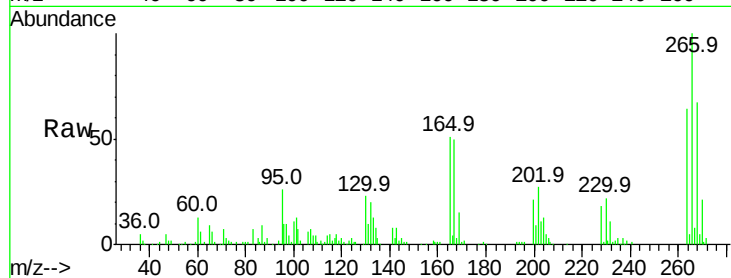




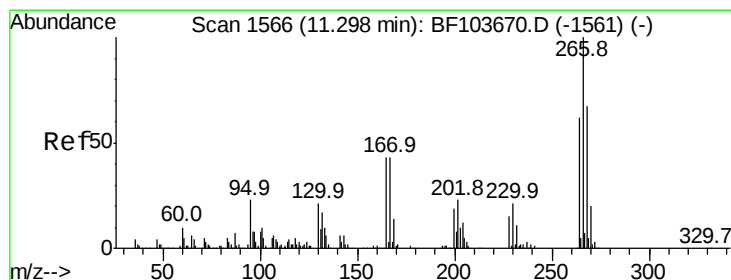
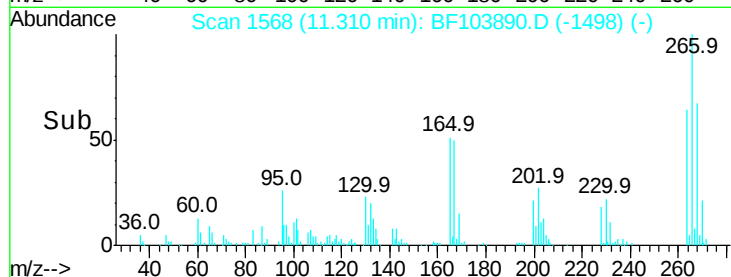
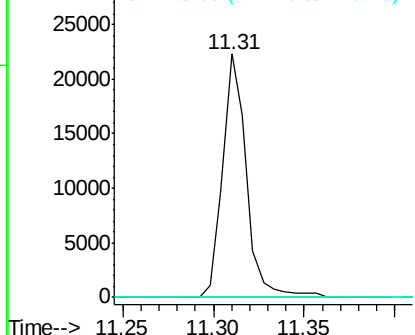
#68
Atrazine
Concen: 5.854 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.11 min
Lab File: BF103890.D
Acq: 23 Mar 2018 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:200 Resp: 20299
Ion Ratio Lower Upper
200 100
173 0.0 8.6 48.6#
215 0.0 25.1 65.1#

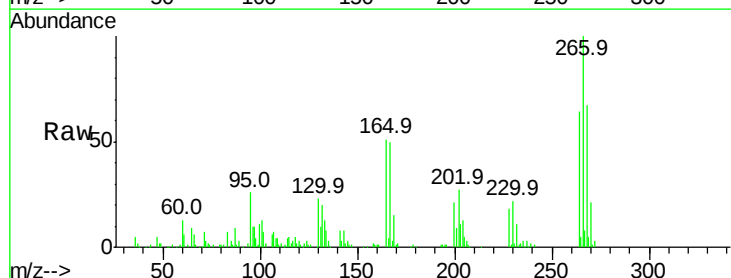


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

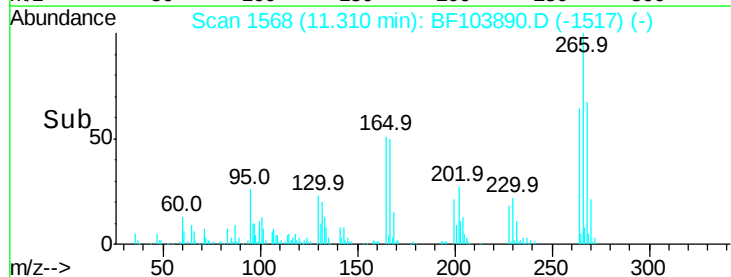
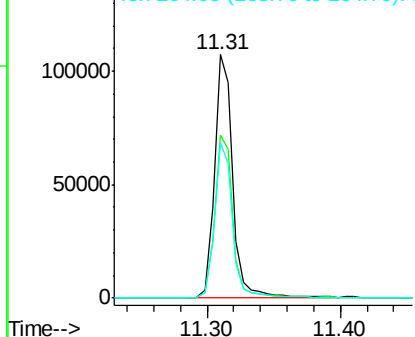


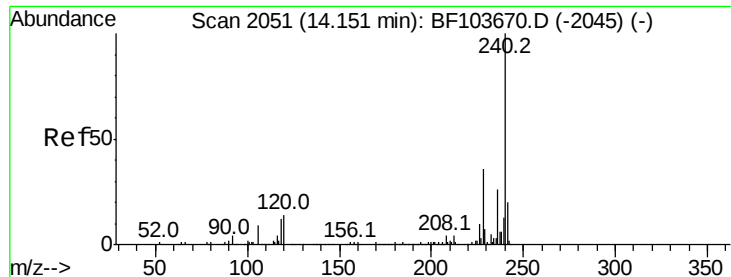
#69
Pentachlorophenol
Concen: 46.724 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF103890.D
Acq: 23 Mar 2018 19:40

Tgt Ion:266 Resp: 103659
Ion Ratio Lower Upper
266 100
268 66.9 51.1 76.7
264 64.0 49.5 74.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103890.D

Acq: 23 Mar 2018 19:40

Instrument :

BNA_F

ClientSampled :

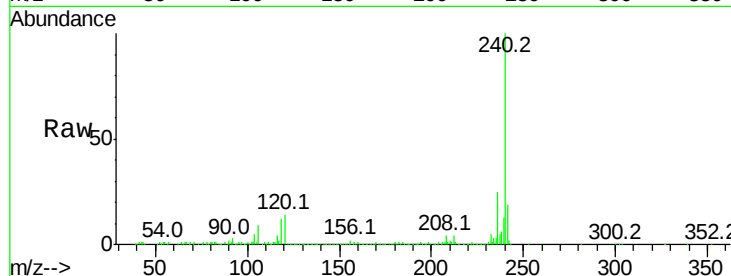
Tot Ion:240 Resp: 281413

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

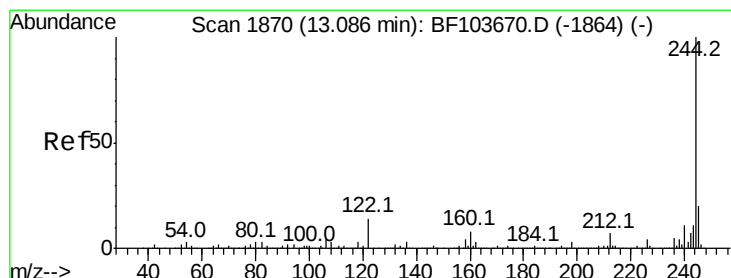
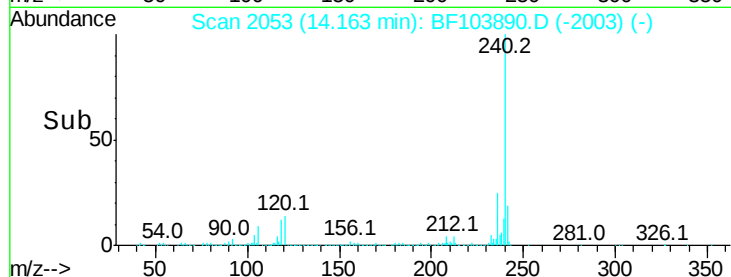
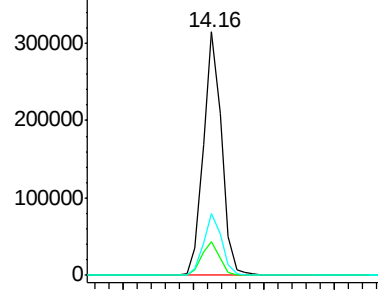
236 25.5 20.7 31.1



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: 50.707 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BF103890.D

Acq: 23 Mar 2018 19:40

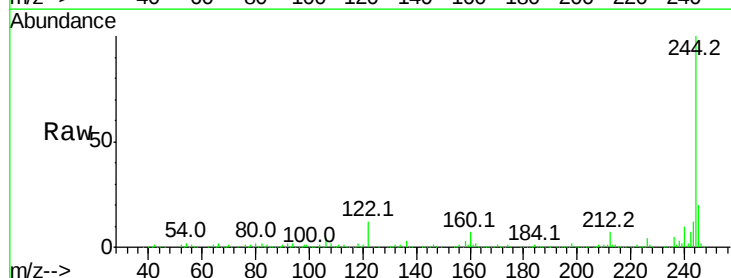
Tgt Ion:244 Resp: 614762

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

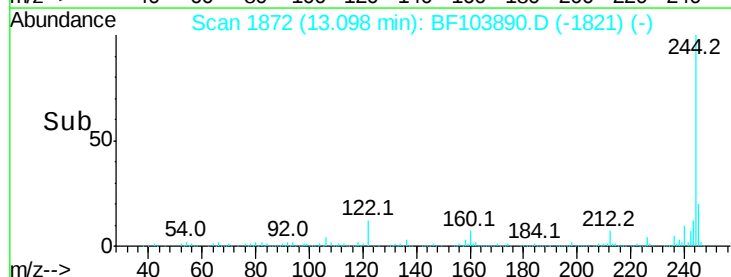
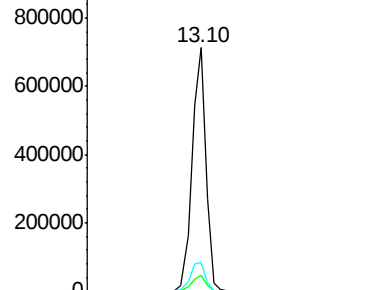
122 11.6 11.0 16.4

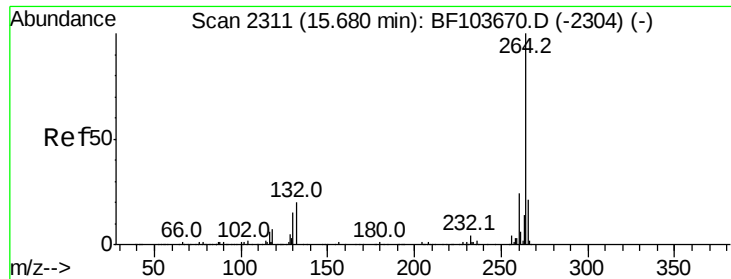


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

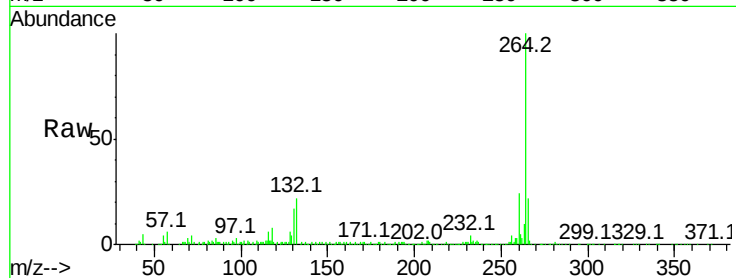




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BF103890.D
Acq: 23 Mar 2018 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	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

