

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082718\
 Data File : BG036459.D
 Acq On : 28 Aug 2018 11:11
 Operator : JU/SJ
 Sample : J4652-04DL2 50X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 11:52:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

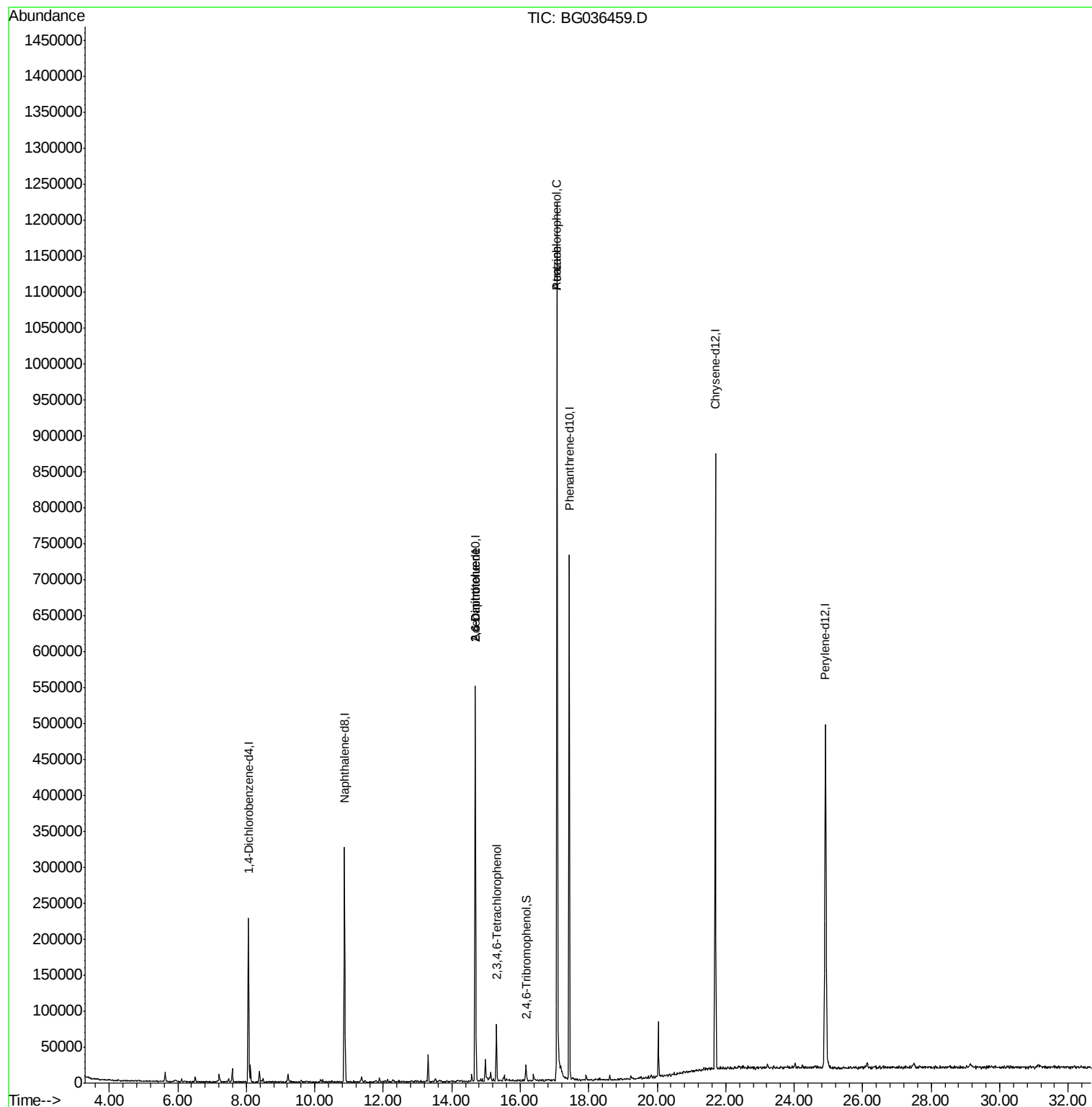
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	62238	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	280105	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	184346	20.00	ng	-0.02
63) Phenanthrene-d10	17.43	188	455527	20.00	ng	0.00
75) Chrysene-d12	21.70	240	513823	20.00	ng	-0.02
86) Perylene-d12	24.91	264	522849	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	5740	1.46	ng	0.00
7) Phenol-d6	7.21	99	4869	0.87	ng	-0.02
23) Nitrobenzene-d5	9.22	82	7071	1.37	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	4591	2.09	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	19805	1.53	ng	-0.02
78) Terphenyl-d14	20.03	244	36253	1.65	ng	-0.02
Target Compounds						
50) 2,6-Dinitrotoluene	14.69	165	24073	7.772	ng	# 23
56) 2,4-Dinitrotoluene	14.69	165	24073	5.963	ng	# 21
58) 2,3,4,6-Tetrachlorophenol	15.30	232	18511	4.648	ng	# 94
68) Atrazine	17.08	200	47225	9.295	ng	# 35
69) Pentachlorophenol	17.08	266	248514	67.050	ng	98

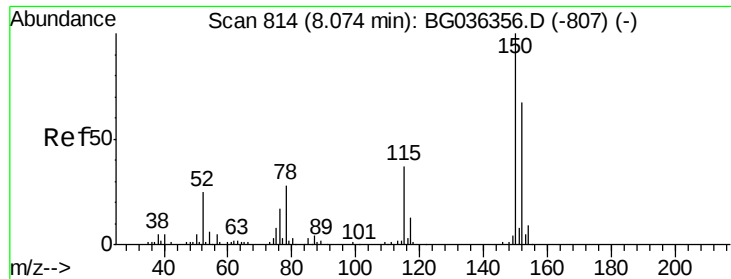
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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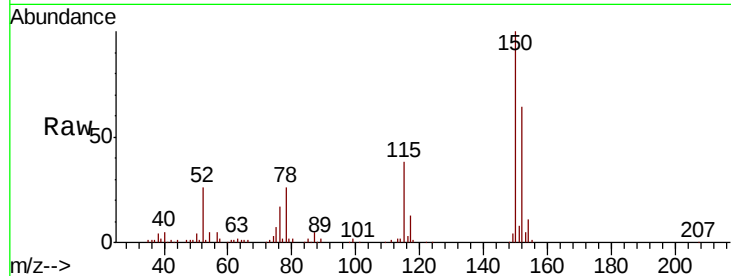


#1

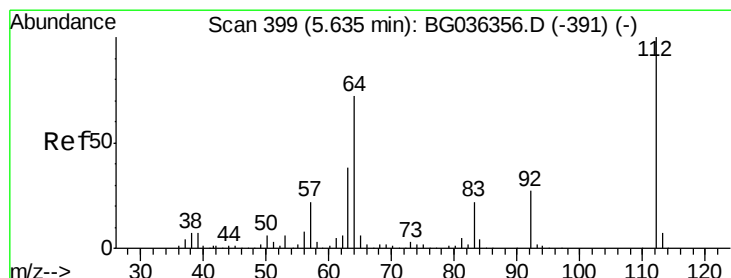
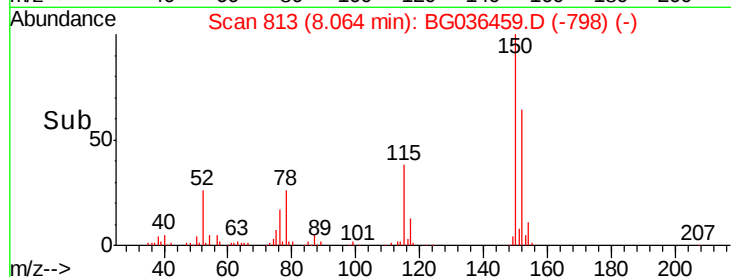
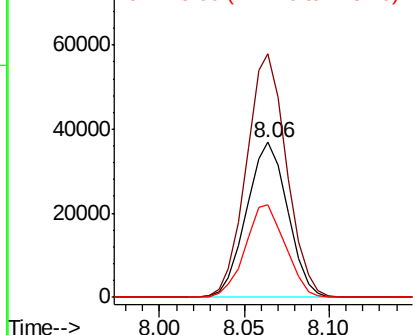
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG036459.D
Acq: 28 Aug 2018 11:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 62238
Ion Ratio Lower Upper
152 100
150 156.9 119.5 179.3
115 59.8 44.5 66.7



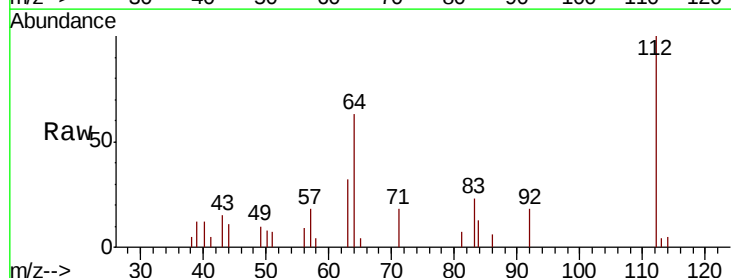
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



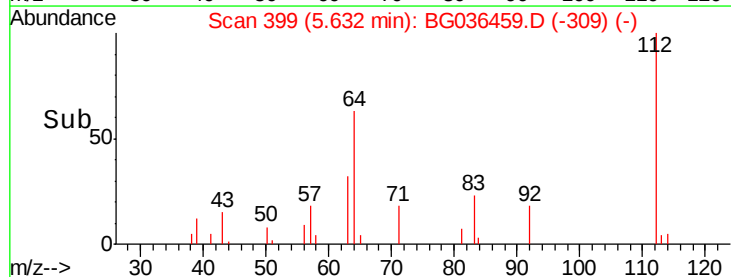
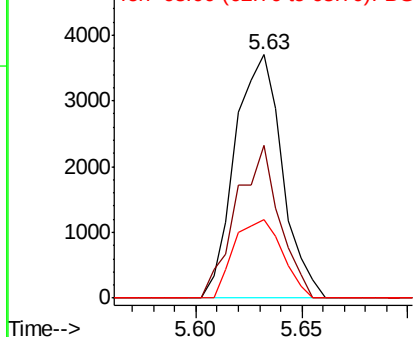
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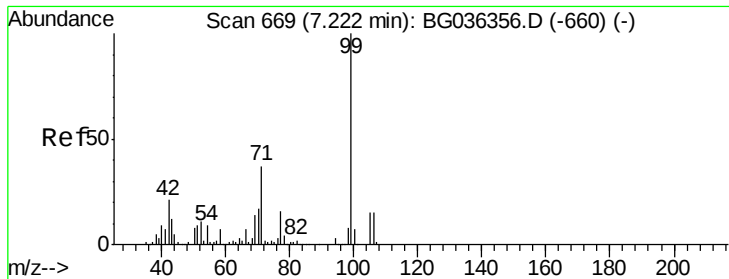
2-Fluorophenol
Concen: 1.463 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG036459.D
Acq: 28 Aug 2018 11:11

Tgt Ion:112 Resp: 5740
Ion Ratio Lower Upper
112 100
64 62.7 57.2 85.8
63 32.2 30.8 46.2



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





#7

Phenol-d6

Concen: 0.867 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.02 min

Lab File: BG036459.D

Acq: 28 Aug 2018 11:11

Instrument :

BNA_F

ClientSampleId :

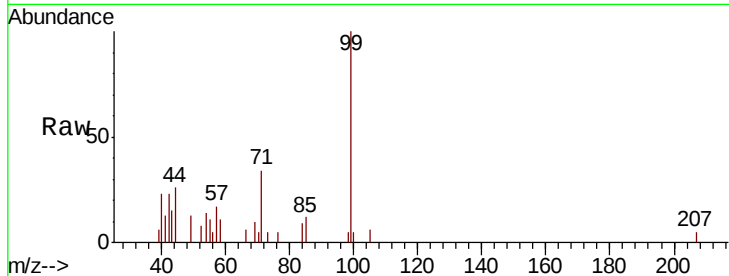
Tot Ion: 99 Resp: 4869

Ion Ratio Lower Upper

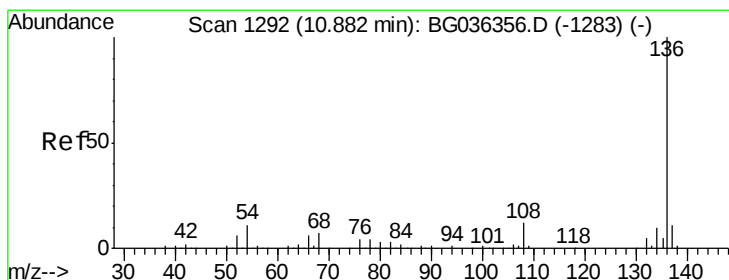
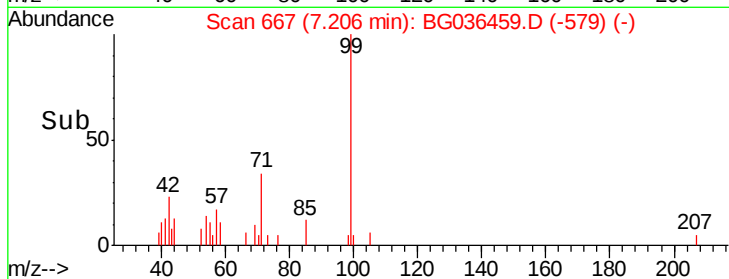
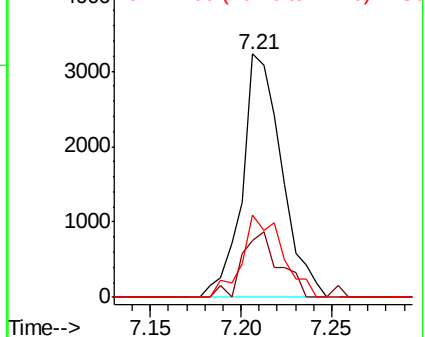
99 100

42 23.1 16.5 24.7

71 33.7 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BG036459.D

Acq: 28 Aug 2018 11:11

Tgt Ion: 136 Resp: 280105

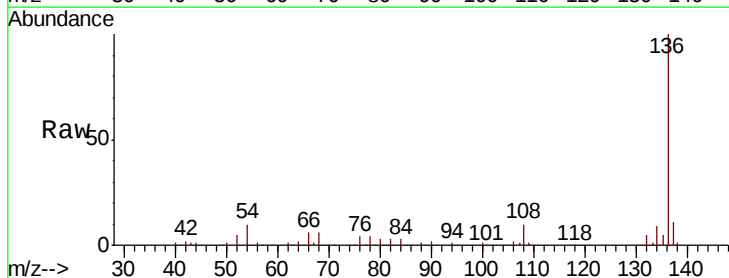
Ion Ratio Lower Upper

136 100

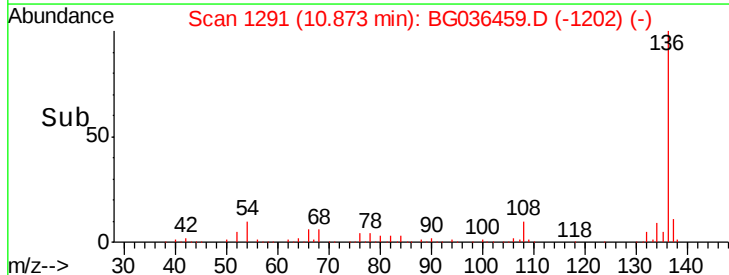
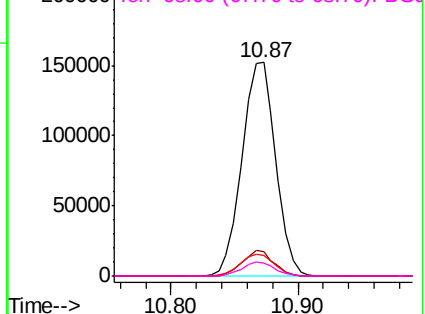
137 11.5 8.8 13.2

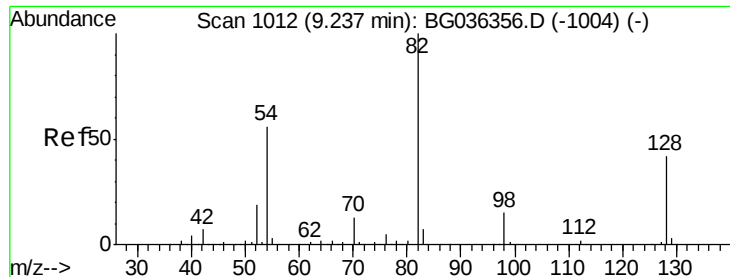
54 9.7 9.2 13.8

68 6.2 5.8 8.6



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

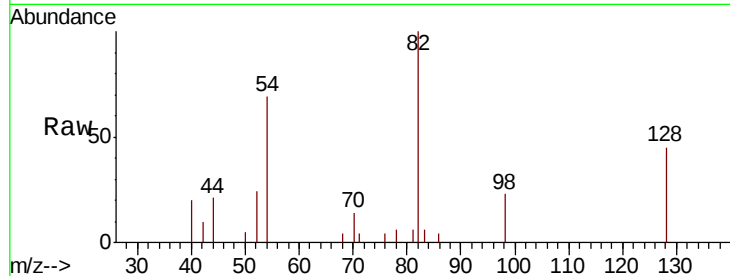




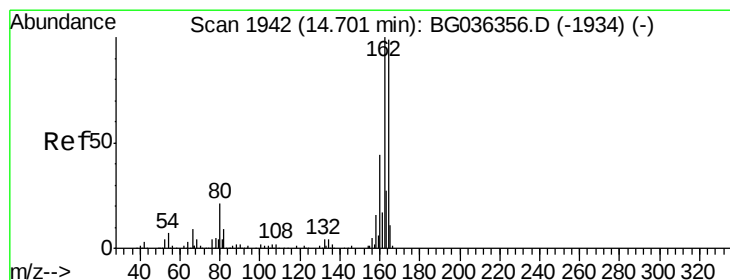
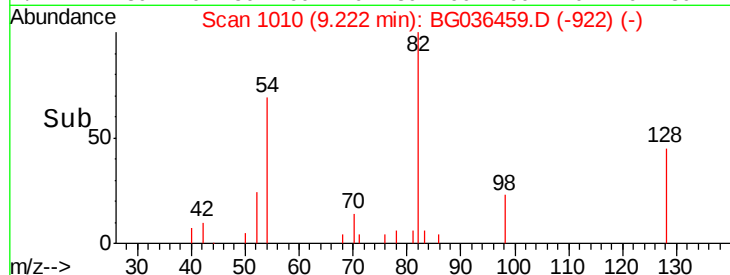
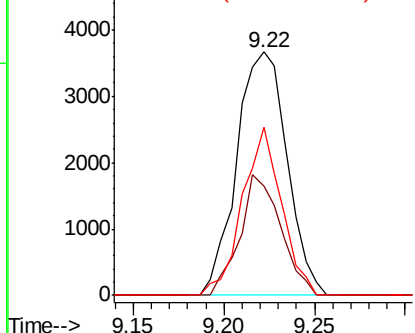
#23
Nitrobenzene-d5
Concen: 1.370 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG036459.D
Acq: 28 Aug 2018 11:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 7071
Ion Ratio Lower Upper
82 100
128 45.1 33.3 49.9
54 69.0 45.1 67.7#

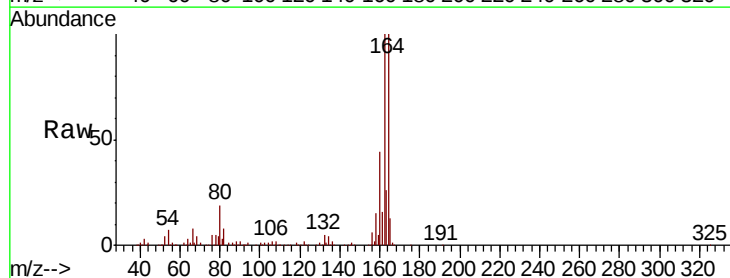


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

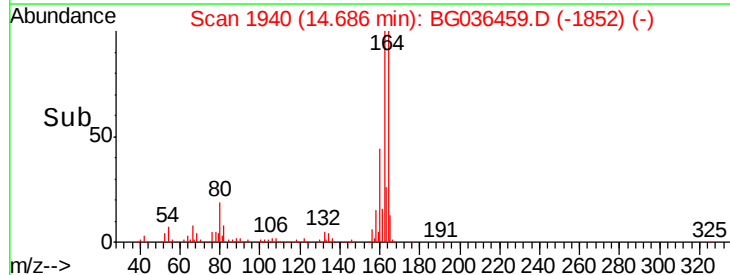
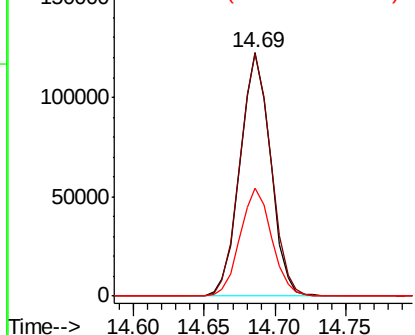


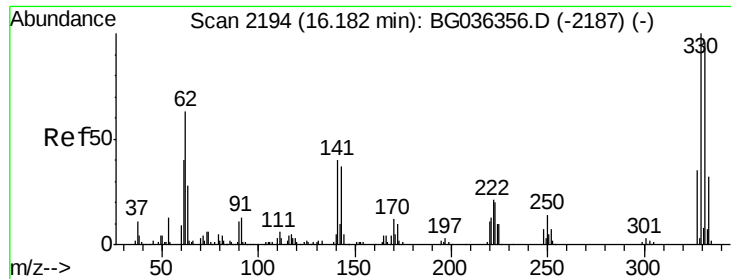
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1940
Delta R.T. -0.02 min
Lab File: BG036459.D
Acq: 28 Aug 2018 11:11

Tgt Ion:164 Resp: 184346
Ion Ratio Lower Upper
164 100
162 99.8 80.7 121.1
160 44.4 35.3 52.9



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

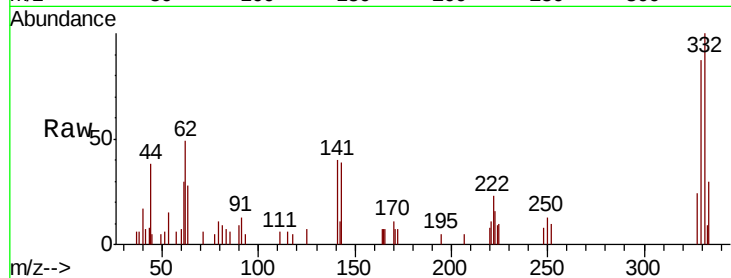




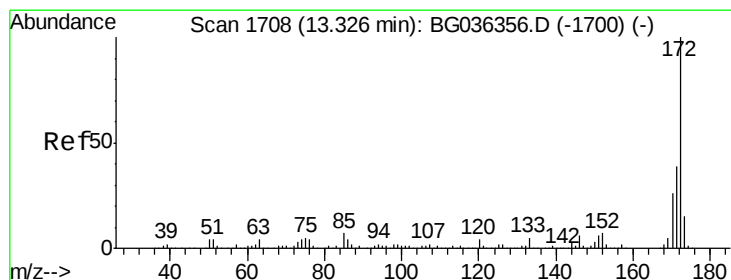
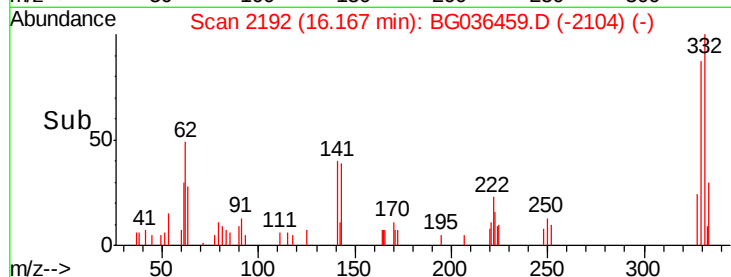
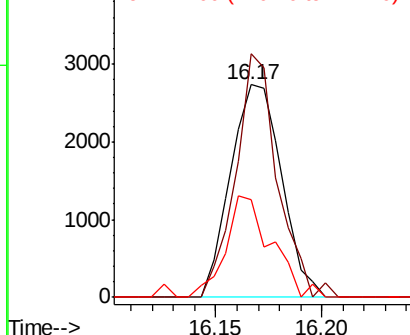
#41
 2,4,6-Tribromophenol
 Concen: 2.087 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BG036459.D
 Acq: 28 Aug 2018 11:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.7	75.4	113.2
141	42.3	30.7	46.1

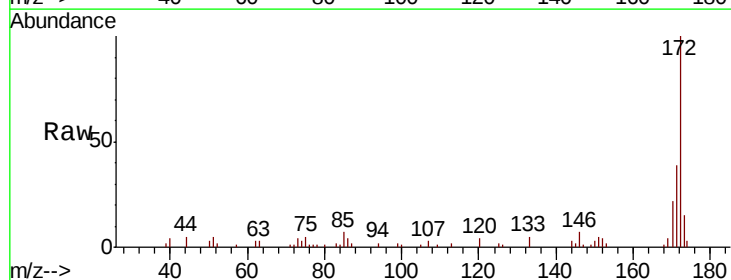


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

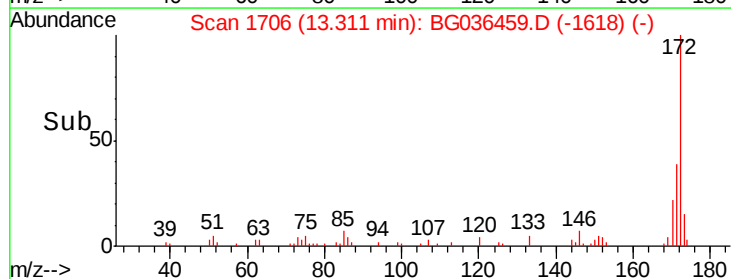
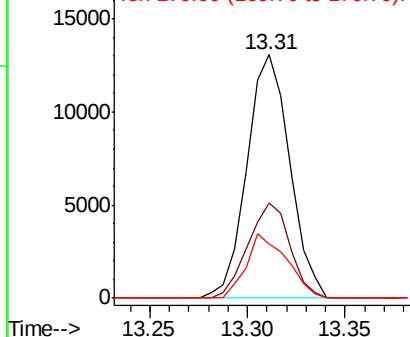


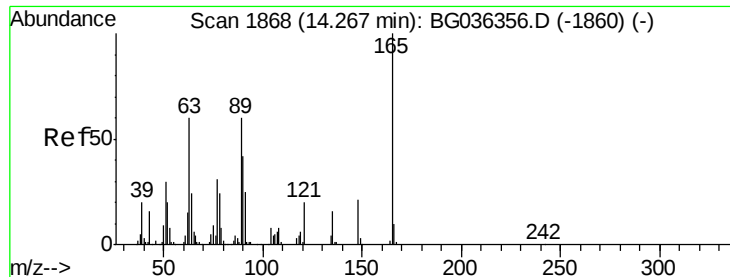
#44
 2-Fluorobiphenyl
 Concen: 1.534 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.02 min
 Lab File: BG036459.D
 Acq: 28 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.0	31.3	46.9
170	22.1	21.0	31.6



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

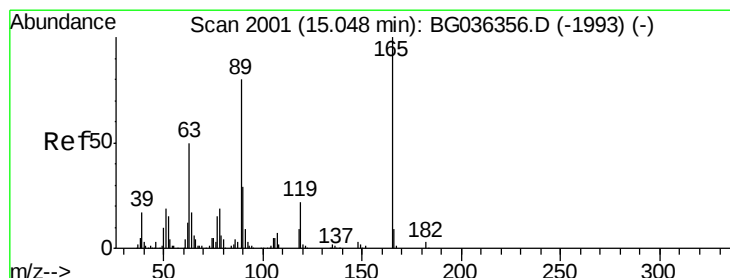
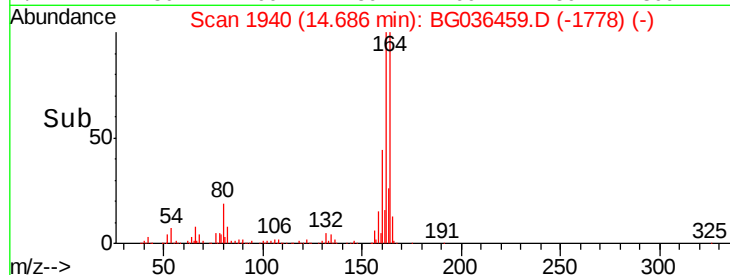
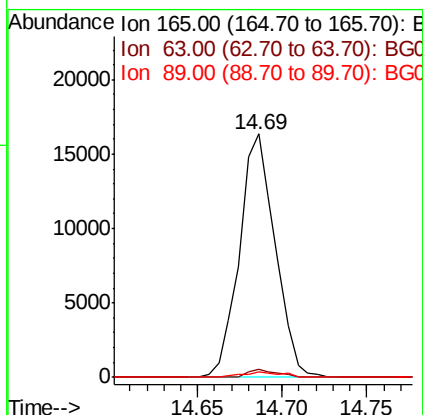
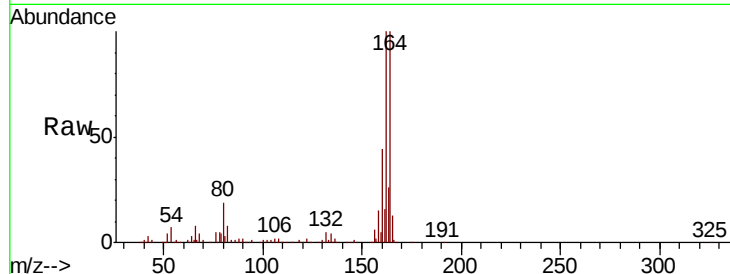




#50
 2,6-Dinitrotoluene
 Concen: 7.772 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. 0.42 min
 Lab File: BG036459.D
 Acq: 28 Aug 2018 11:11

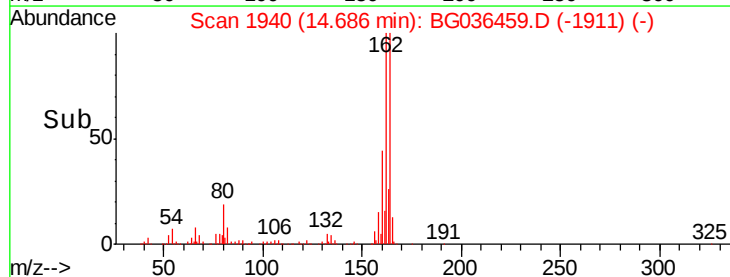
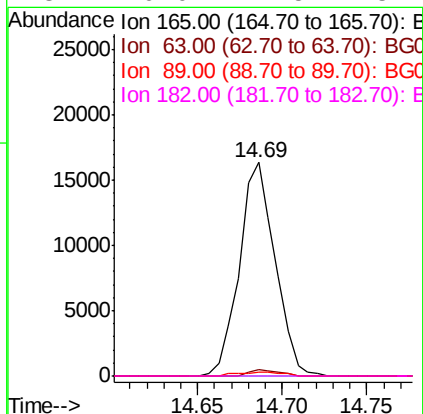
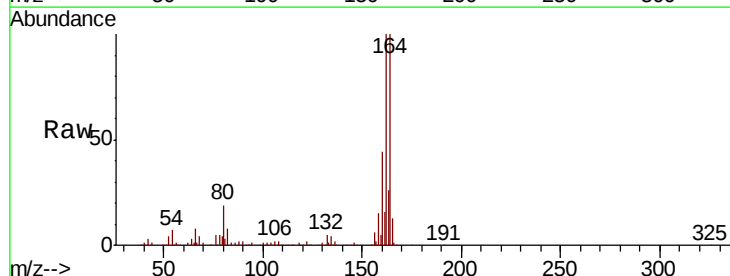
Instrument :
 BNA_F
 ClientSampleId :

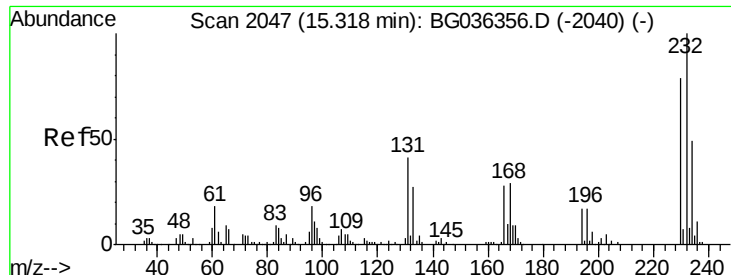
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.1	50.1	75.1#
89	2.1	47.8	71.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.963 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.36 min
 Lab File: BG036459.D
 Acq: 28 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.1	40.1	60.1#
89	2.1	63.7	95.5#
182	0.0	2.5	3.7#

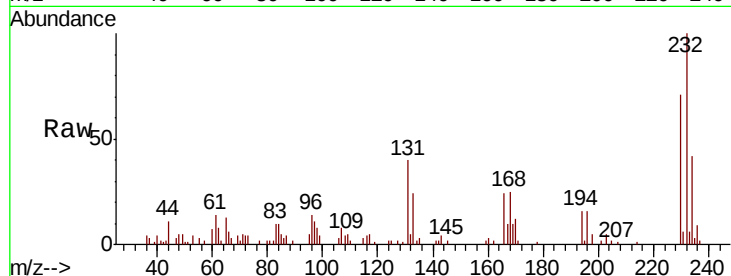




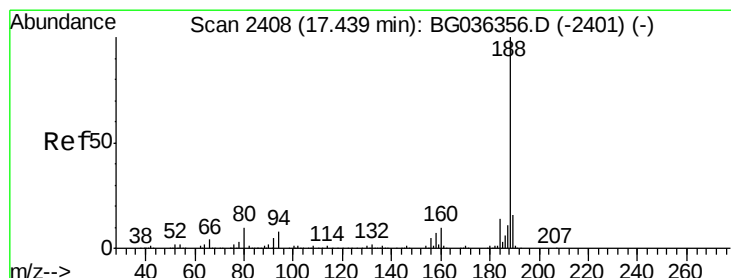
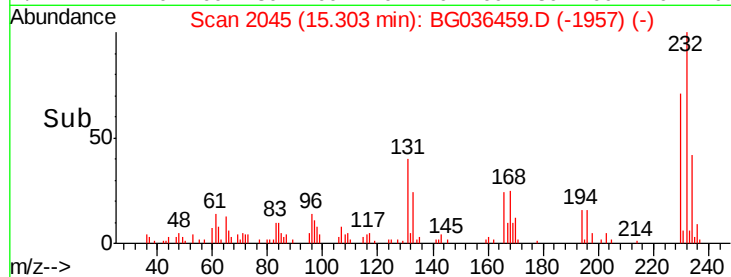
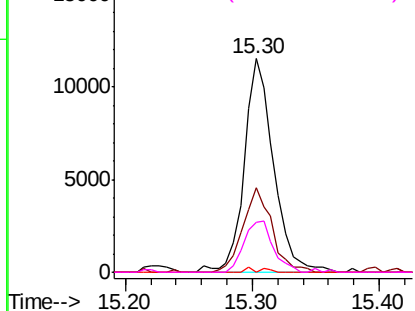
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 4.648 ng
 RT: 15.30 min Scan# 2045
 Delta R.T. -0.02 min
 Lab File: BG036459.D
 Acq: 28 Aug 2018 11:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	232	Resp:	18511
Ion	Ratio	Lower	Upper
232	100		
131	39.0	33.8	50.8
130	0.5	2.1	3.1#
166	23.7	22.3	33.5

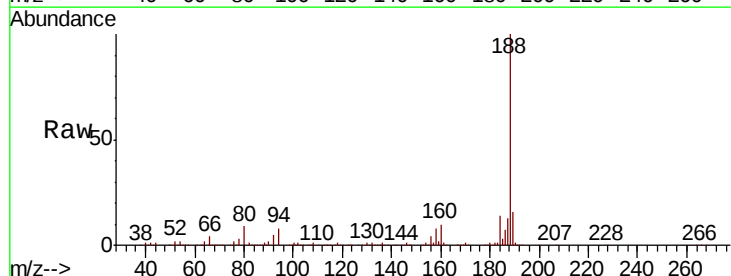


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

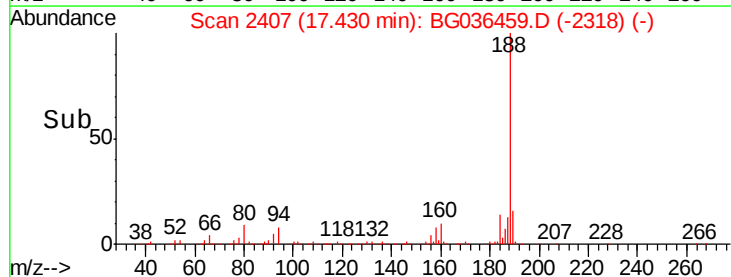
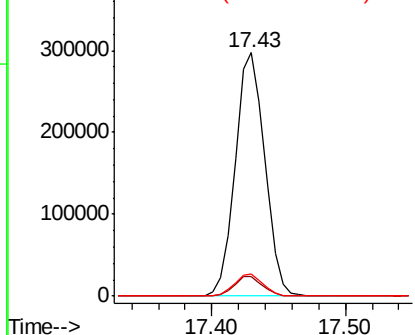


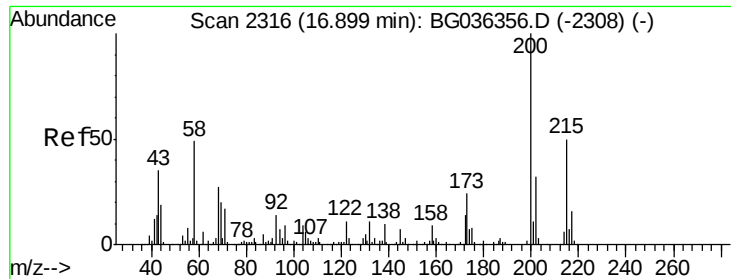
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG036459.D
 Acq: 28 Aug 2018 11:11

Tgt Ion:	188	Resp:	455527
Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.7	10.1
80	9.0	8.1	12.1



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG





#68

Atrazine

Concen: 9.295 ng

RT: 17.08 min Scan# 2347

Delta R.T. 0.18 min

Lab File: BG036459.D

Acq: 28 Aug 2018 11:11

Instrument :

BNA_F

ClientSampleId :

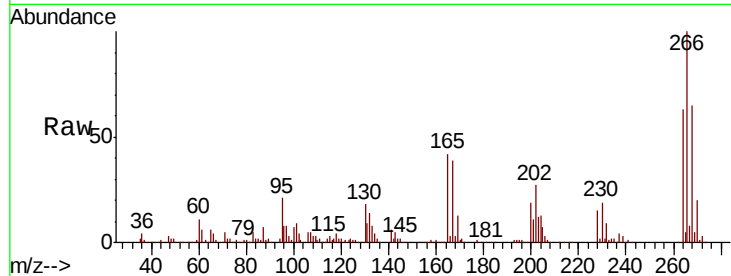
Tot Ion:200 Resp: 47225

Ion Ratio Lower Upper

200 100

173 0.0 3.9 43.9#

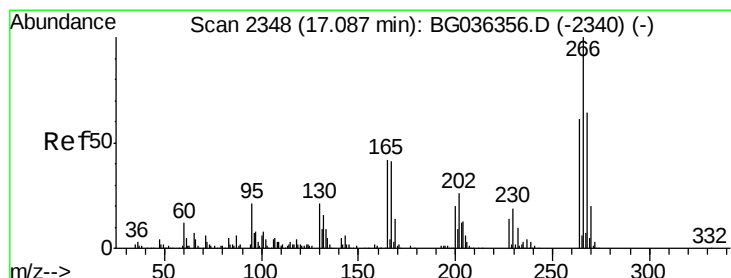
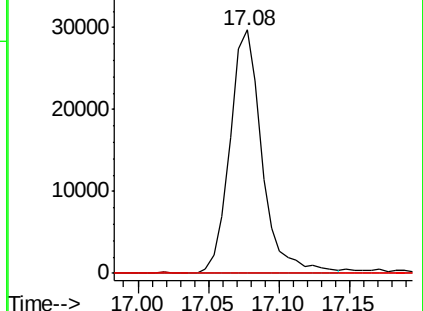
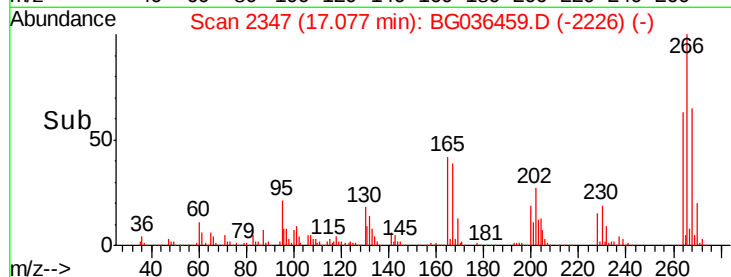
215 0.0 30.4 70.4#



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: 67.050 ng

RT: 17.08 min Scan# 2347

Delta R.T. -0.01 min

Lab File: BG036459.D

Acq: 28 Aug 2018 11:11

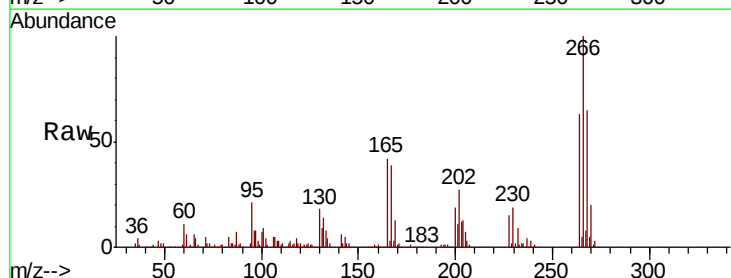
Tgt Ion:266 Resp: 248514

Ion Ratio Lower Upper

266 100

268 64.9 51.4 77.2

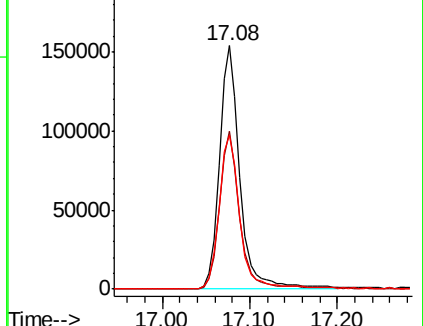
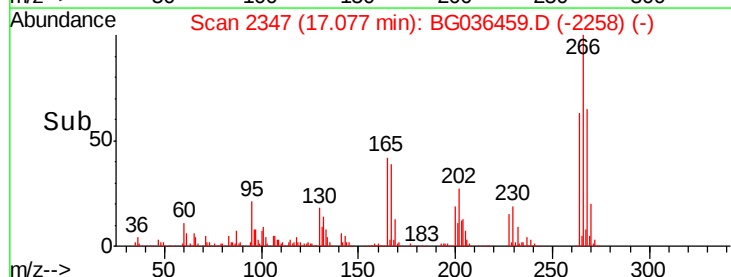
264 63.3 48.9 73.3

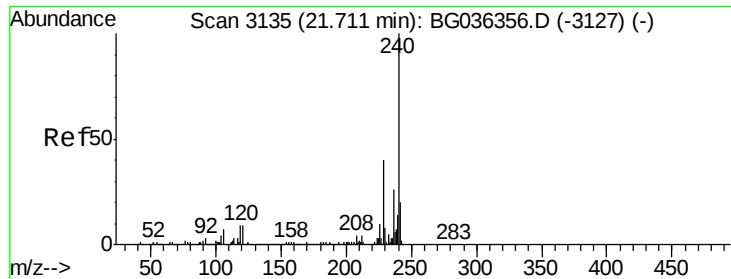


Abundance Ion 265.70 (265.40 to 266.40): E

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: 21.70 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BG036459.D

Acq: 28 Aug 2018 11:11

Instrument :

BNA_F

ClientSampleId :

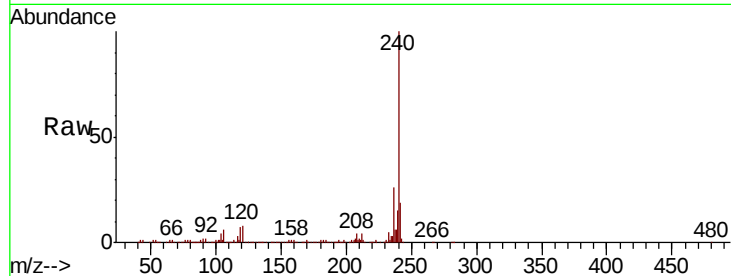
Tot Ion:240 Resp: 513823

Ion Ratio Lower Upper

240 100

120 8.3 6.9 10.3

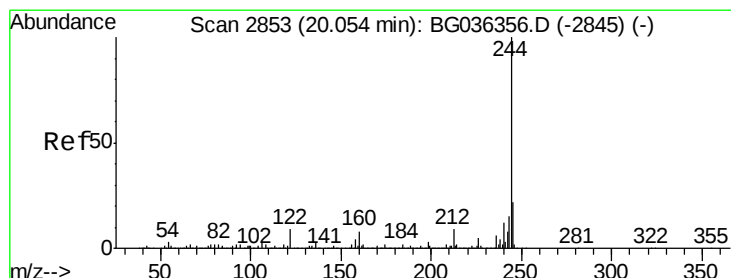
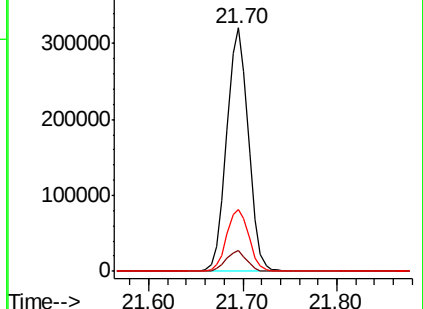
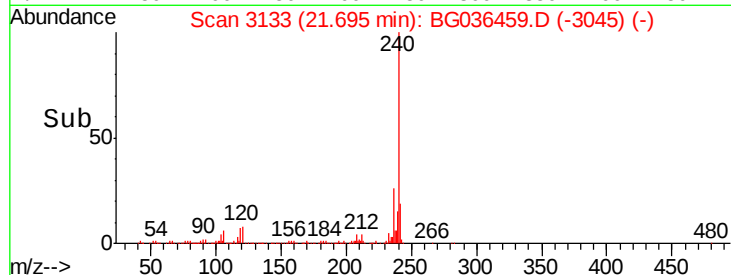
236 25.5 21.2 31.8



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: 1.649 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG036459.D

Acq: 28 Aug 2018 11:11

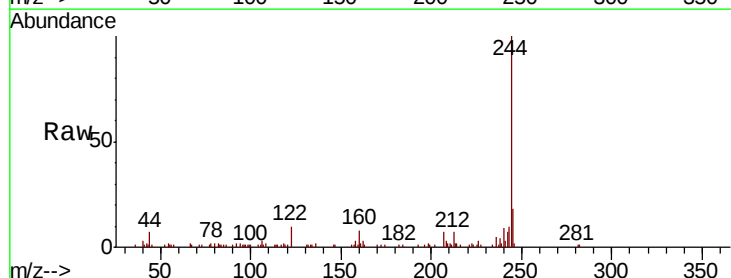
Tgt Ion:244 Resp: 36253

Ion Ratio Lower Upper

244 100

212 6.7 7.0 10.6#

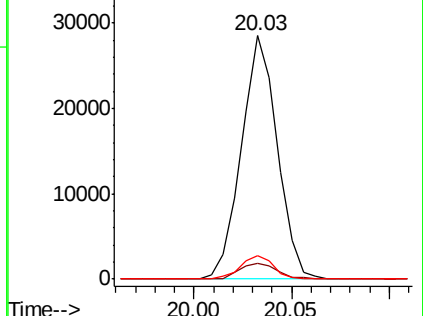
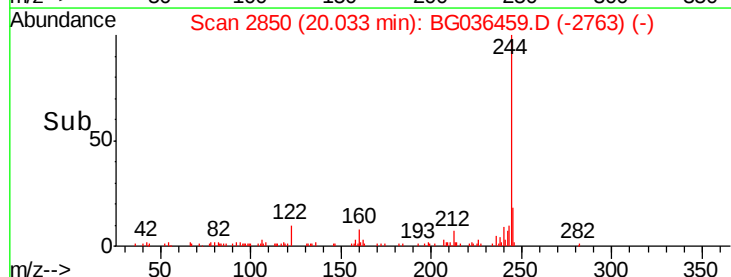
122 9.8 7.1 10.7

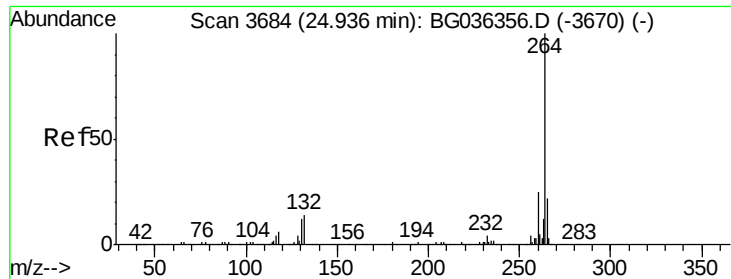


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.91 min Scan# 3680
Delta R.T. -0.03 min
Lab File: BG036459.D
Acq: 28 Aug 2018 11:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	21.8	17.4	26.0

