

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061019\
 Data File : BG041172.D
 Acq On : 10 Jun 2019 20:48
 Operator : HP/JU
 Sample : K3193-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-4-OW

Quant Time: Jun 11 03:50:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

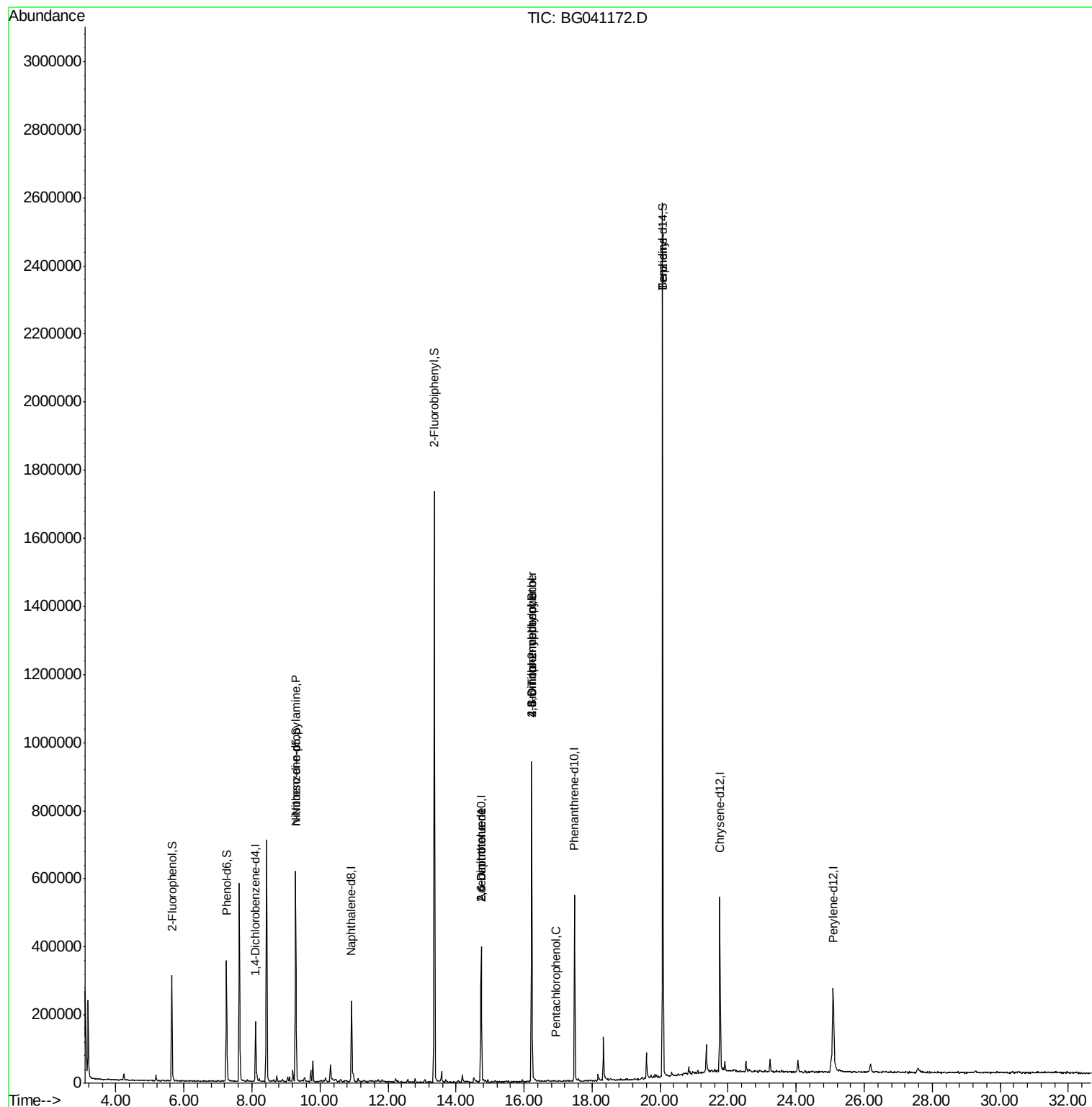
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	48207	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	188411	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	142343	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	345342	20.00	ng	0.00
76) Chrysene-d12	21.75	240	338113	20.00	ng	0.00
87) Perylene-d12	25.09	264	324878	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	126178	47.20	ng	0.00
7) Phenol-d6	7.25	99	194586	47.13	ng	0.00
23) Nitrobenzene-d5	9.29	82	378910	89.28	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	189617	89.73	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	894426	90.49	ng	0.00
79) Terphenyl-d14	20.07	244	1269251	79.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	54789	17.244	ng	# 77
51) 2,6-Dinitrotoluene	14.74	165	18577	7.151	ng	# 20
57) 2,4-Dinitrotoluene	14.74	165	18577	5.062	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.23	198	557	8.837	ng	# 1
67) 4-Bromophenyl-phenylether	16.23	248	13407	2.877	ng	# 1
70) Pentachlorophenol	16.94	266	57	4.276	ng	# 18
77) Benzidine	20.07	184	21204	2.629	ng	# 95

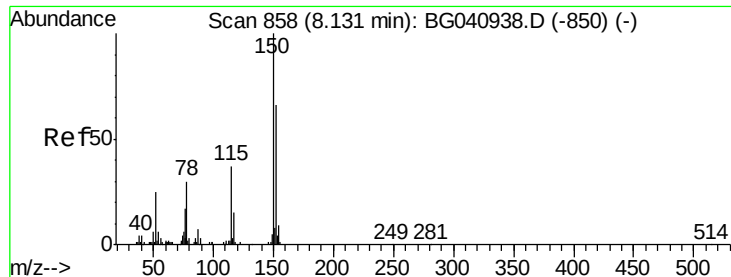
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061019\
Data File : BG041172.D
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BNA_G
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Quant Time: Jun 11 03:50:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 23:08:34 2019
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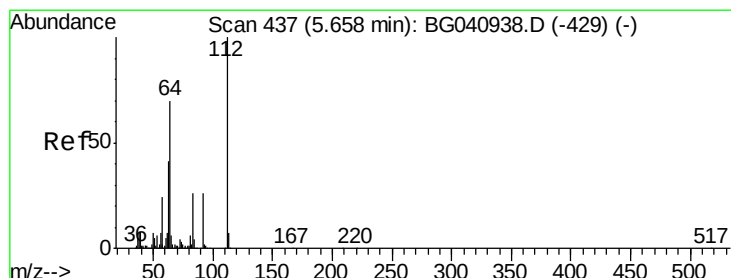
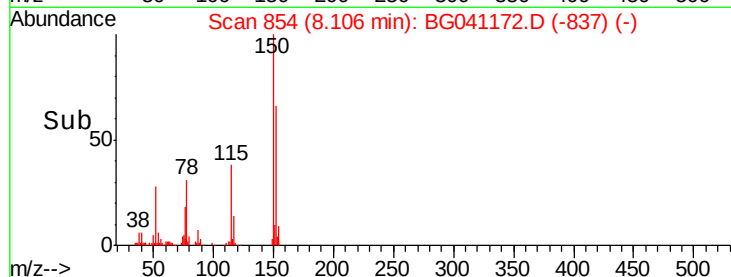
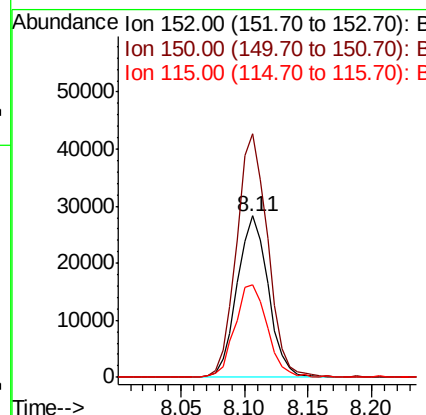
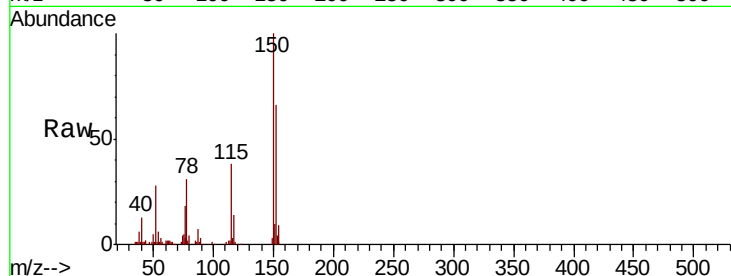


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BG041172.D
Acq: 10 Jun 2019 20:48

Instrument :
BNA_G
ClientSampleId :
P-4-OW

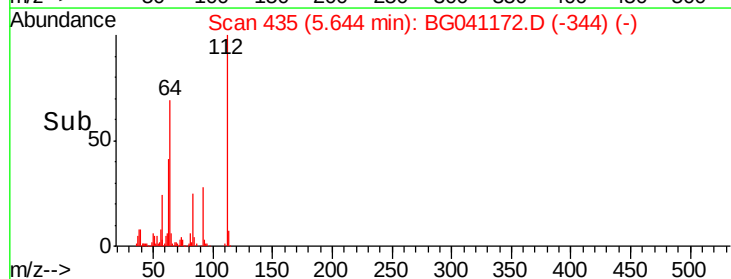
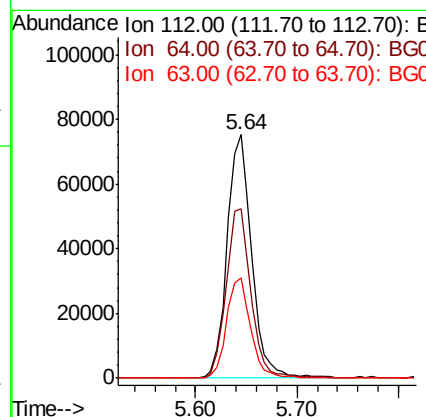
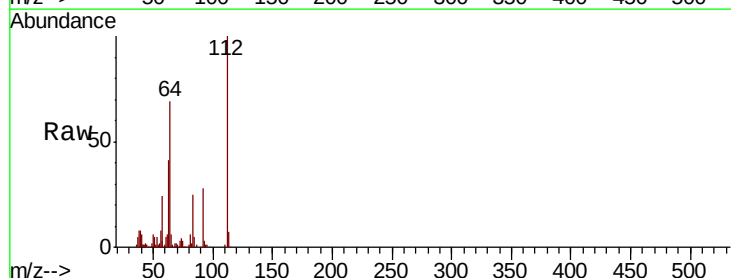
Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.9	120.6	180.8
115	57.5	45.1	67.7

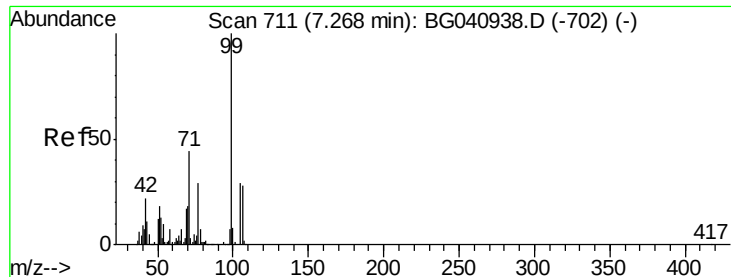


#5

2-Fluorophenol
Concen: 47.198 ng
RT: 5.64 min Scan# 435
Delta R.T. 0.01 min
Lab File: BG041172.D
Acq: 10 Jun 2019 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	56.2	84.2
63	41.2	32.8	49.2





#7

Phenol-d6

Concen: 47.129 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041172.D

Acq: 10 Jun 2019 20:48

Instrument :

BNA_G

ClientSampleId :

P-4-OW

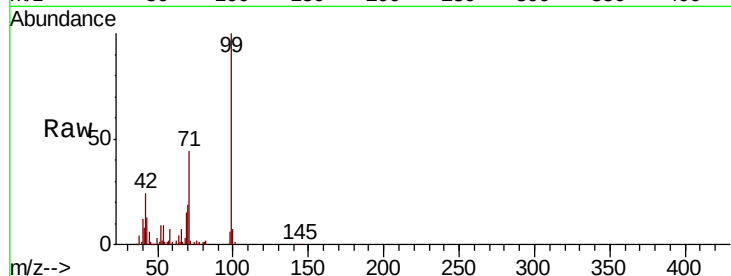
Tgt Ion: 99 Resp: 194586

Ion Ratio Lower Upper

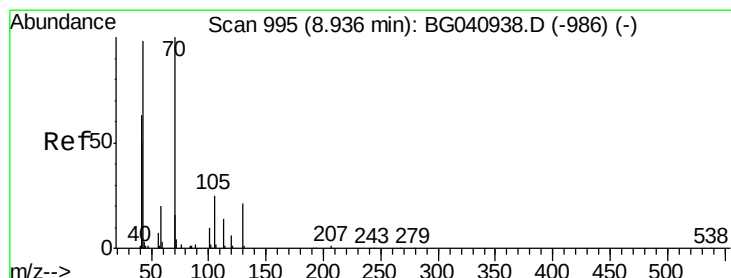
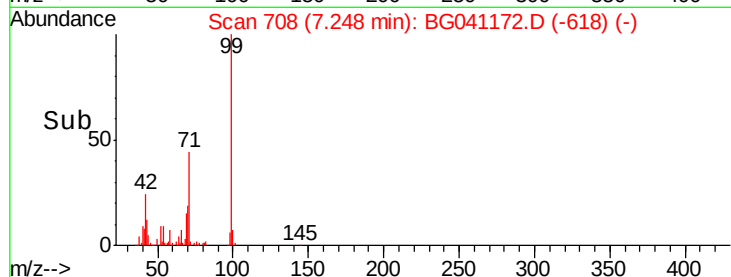
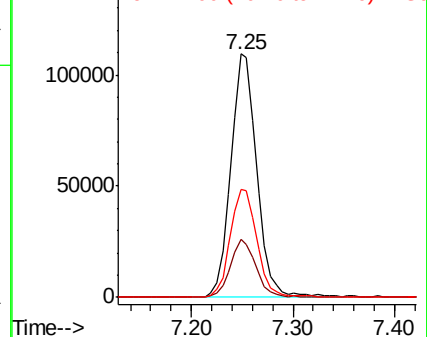
99 100

42 23.8 17.9 26.9

71 44.3 35.4 53.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.244 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.38 min

Lab File: BG041172.D

Acq: 10 Jun 2019 20:48

Tgt Ion: 70 Resp: 54789

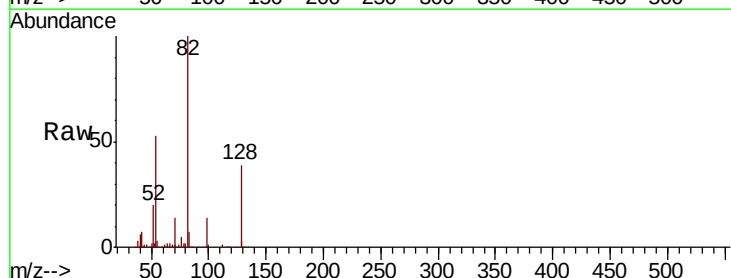
Ion Ratio Lower Upper

70 100

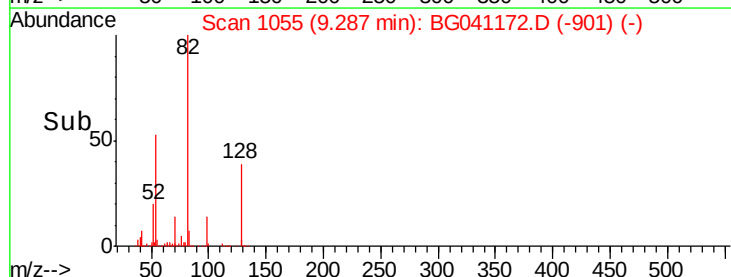
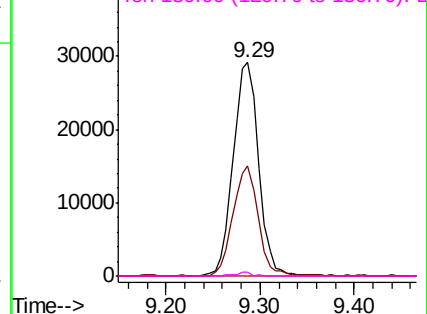
42 51.7 51.5 77.3

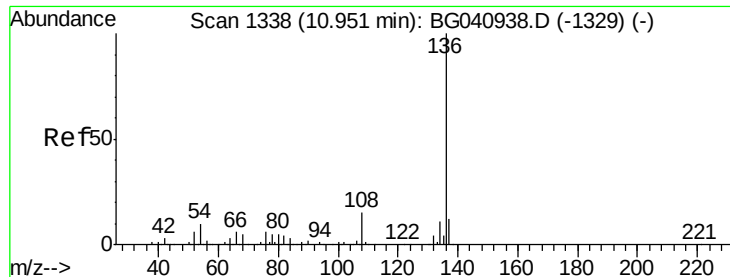
101 0.0 8.1 12.1#

130 1.8 16.6 24.8#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

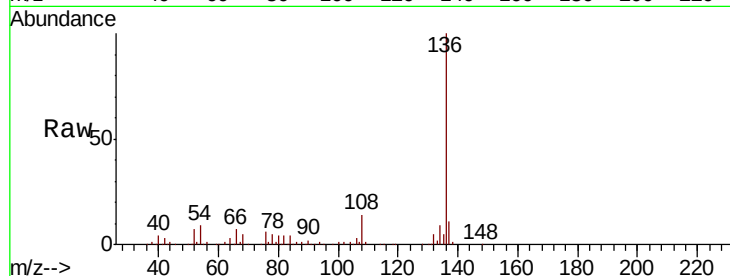




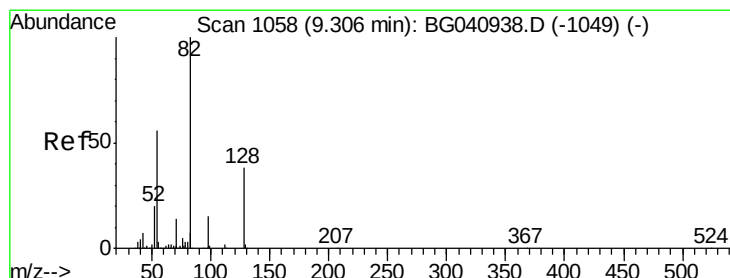
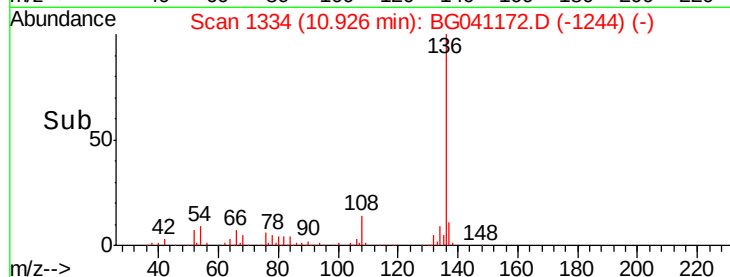
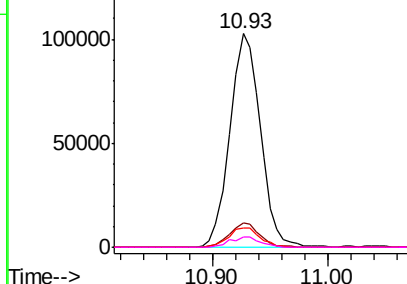
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041172.D
Acq: 10 Jun 2019 20:48

Instrument :
BNA_G
ClientSampleId :
P-4-OW

Tgt Ion:	136	Resp:	188411
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.5	14.3
54	8.8	7.6	11.4
68	4.7	3.9	5.9

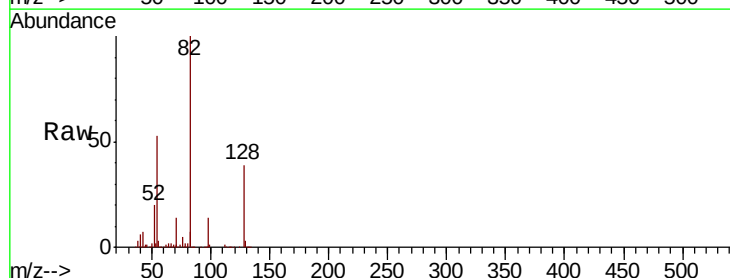


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

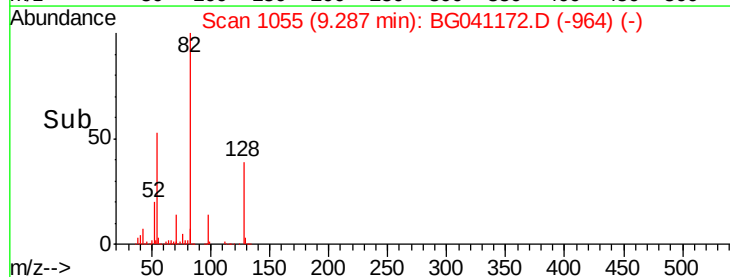
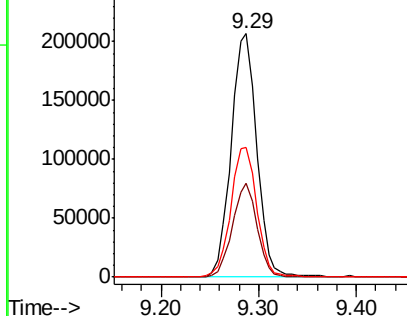


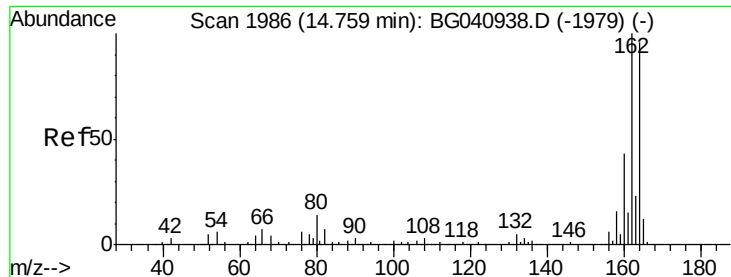
#23
Nitrobenzene-d5
Concen: 89.279 ng
RT: 9.29 min Scan# 1055
Delta R.T. 0.01 min
Lab File: BG041172.D
Acq: 10 Jun 2019 20:48

Tgt Ion:	82	Resp:	378910
Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.5	45.7
54	53.1	44.6	66.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BG041172.D

Acq: 10 Jun 2019 20:48

Instrument :

BNA_G

ClientSampleId :

P-4-OW

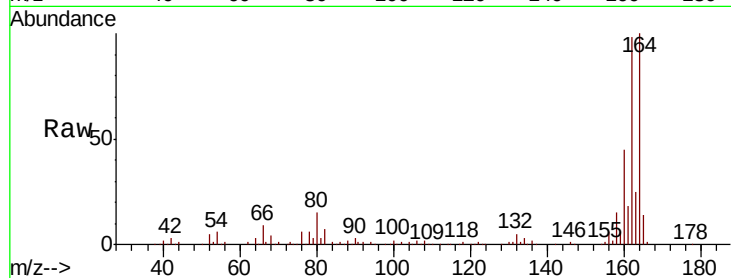
Tgt Ion:164 Resp: 142343

Ion Ratio Lower Upper

164 100

162 97.8 83.0 124.4

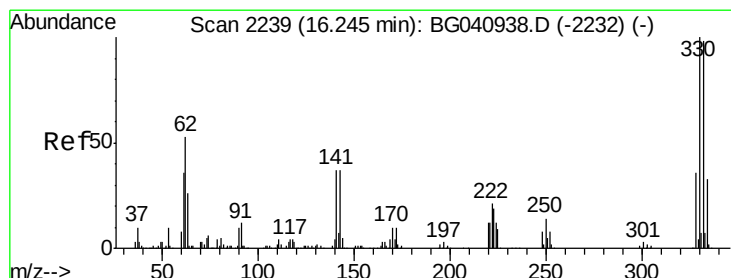
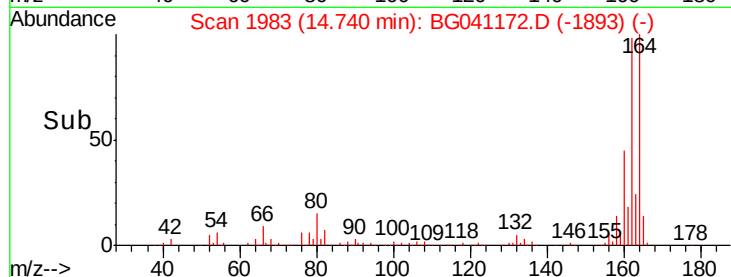
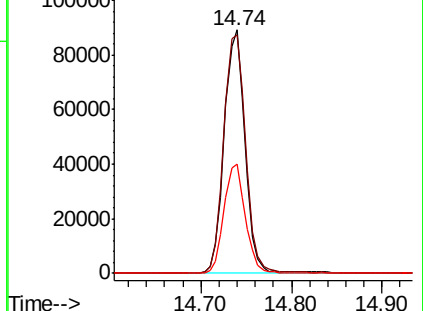
160 45.1 35.6 53.4



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



#42

2,4,6-Tribromophenol

Concen: 89.731 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BG041172.D

Acq: 10 Jun 2019 20:48

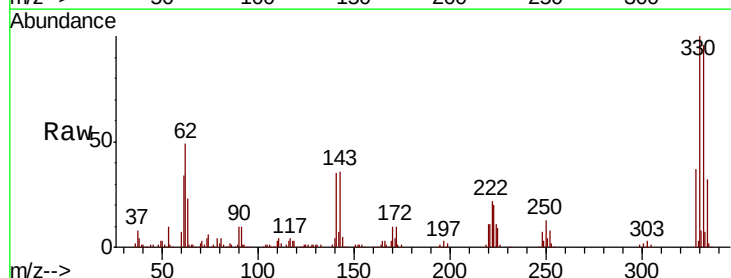
Tgt Ion:330 Resp: 189617

Ion Ratio Lower Upper

330 100

332 97.0 78.5 117.7

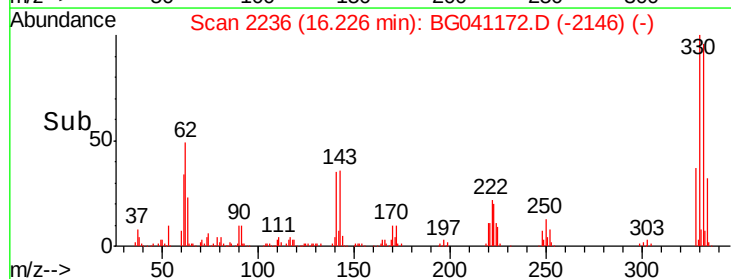
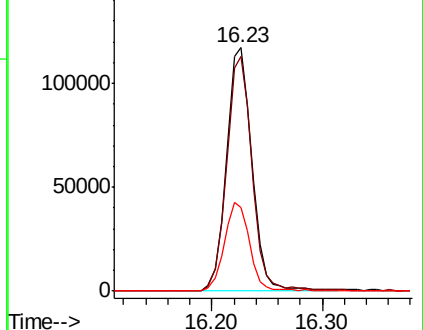
141 35.7 28.7 43.1

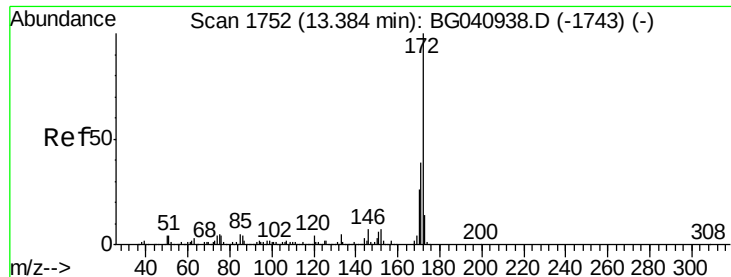


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

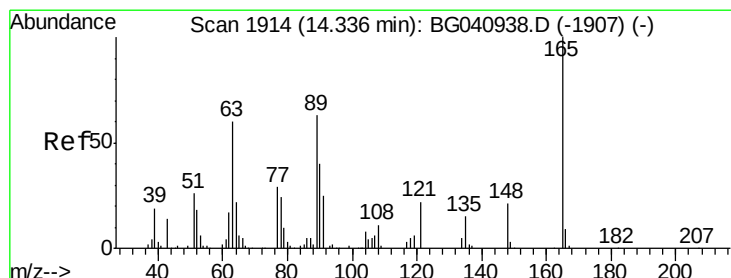
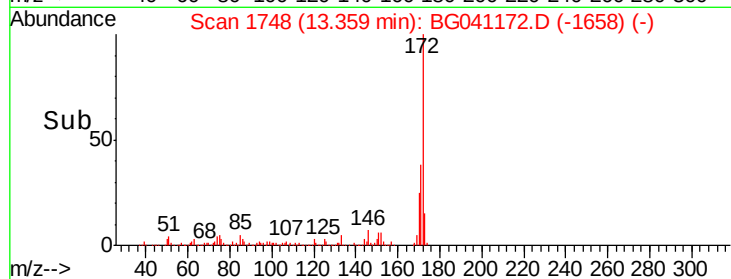
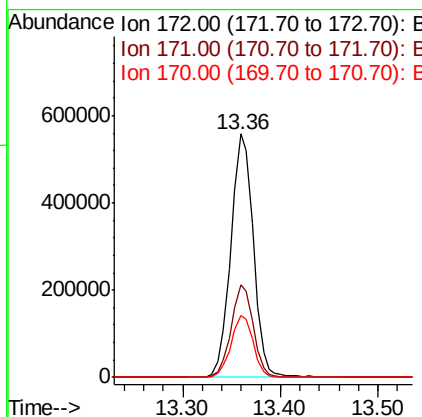
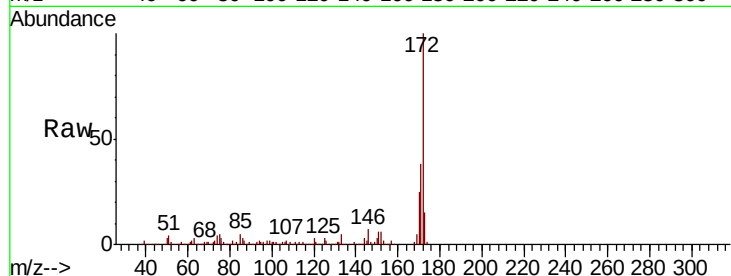




#45
2-Fluorobiphenyl
Concen: 90.491 ng
RT: 13.36 min Scan# 1748
Delta R.T. 0.00 min
Lab File: BG041172.D
Acq: 10 Jun 2019 20:48

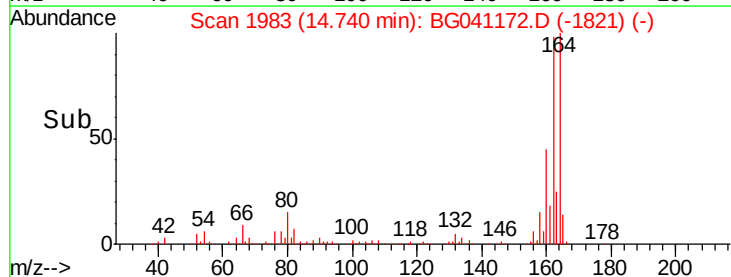
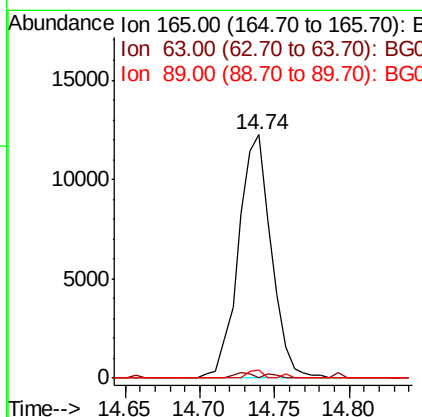
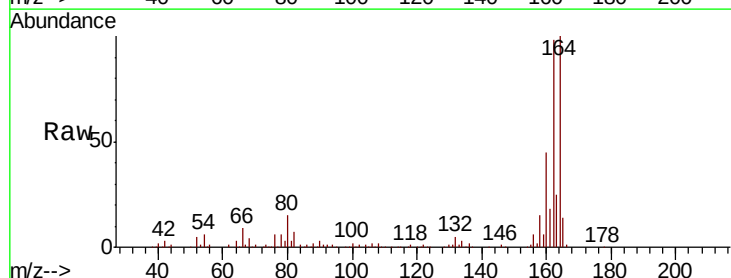
Instrument :
BNA_G
ClientSampleId :
P-4-OW

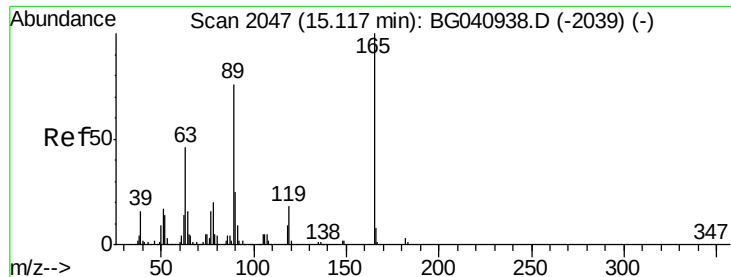
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.1	46.7
170	25.3	20.5	30.7



#51
2,6-Dinitrotoluene
Concen: 7.151 ng
RT: 14.74 min Scan# 1983
Delta R.T. 0.42 min
Lab File: BG041172.D
Acq: 10 Jun 2019 20:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	53.6	80.4#
89	3.1	50.4	75.6#

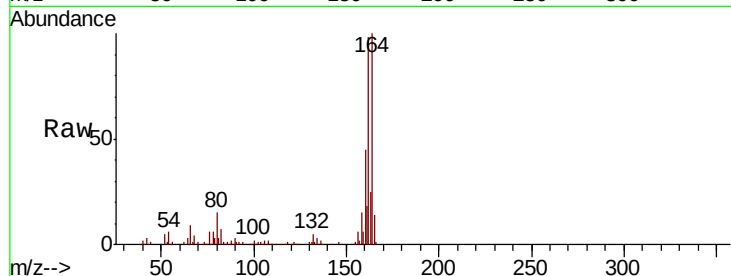




#57
2,4-Dinitrotoluene
Concen: 5.062 ng
RT: 14.74 min Scan# 1983
Delta R.T. -0.36 min
Lab File: BG041172.D
Acq: 10 Jun 2019 20:48

Instrument :
BNA_G
ClientSampleId :
P-4-OW

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	3.1	61.0	91.6#
182	0.0	2.2	3.2#

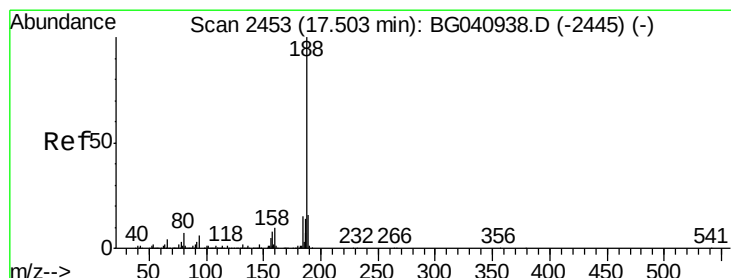
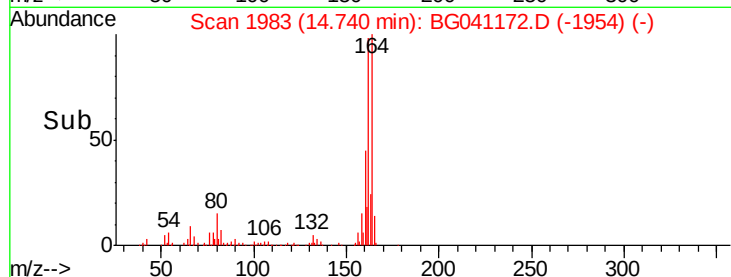
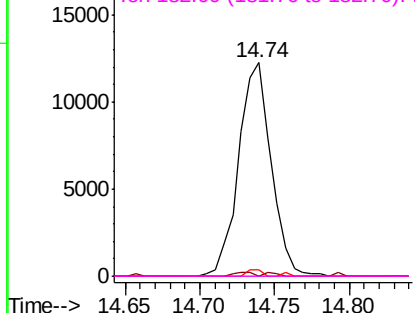


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

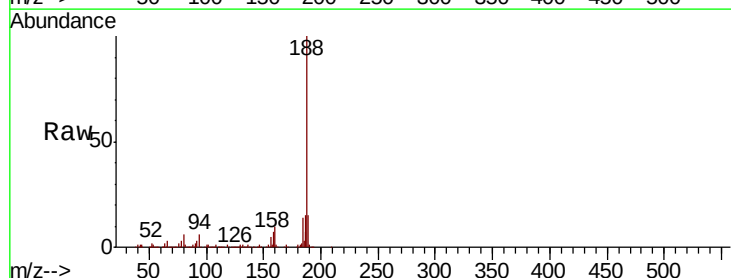
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2450
Delta R.T. 0.00 min
Lab File: BG041172.D
Acq: 10 Jun 2019 20:48

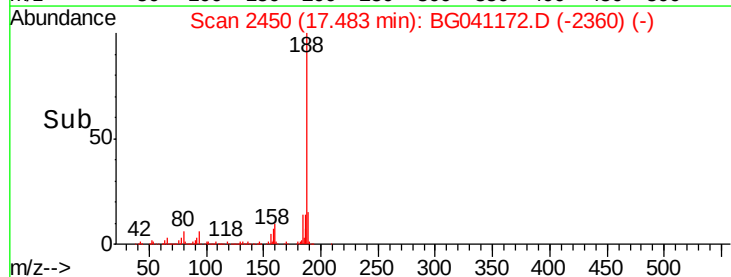
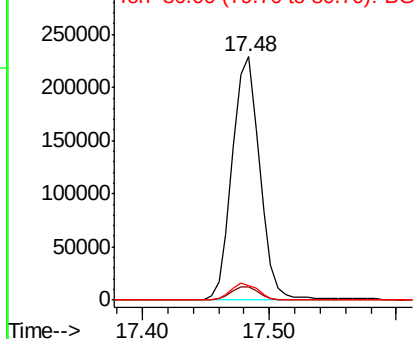
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	4.7	7.1
80	5.8	5.8	8.8#

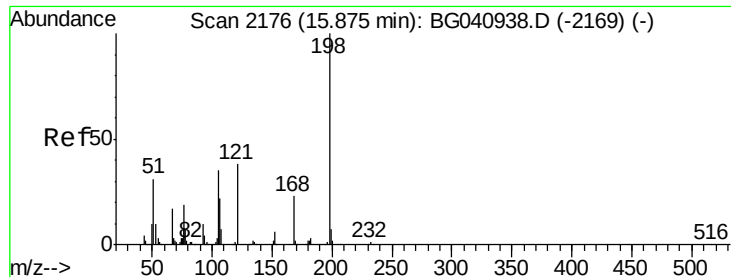


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 8.837 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.37 min

Lab File: BG041172.D

Acq: 10 Jun 2019 20:48

Instrument :

BNA_G

ClientSampleId :

P-4-OW

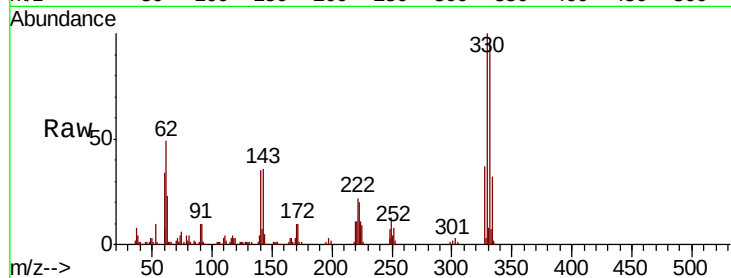
Tgt Ion:198 Resp: 557

Ion Ratio Lower Upper

198 100

51 132.7 21.6 61.6#

105 129.4 17.5 57.5#

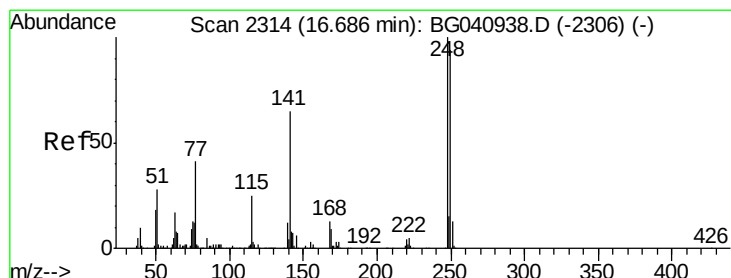
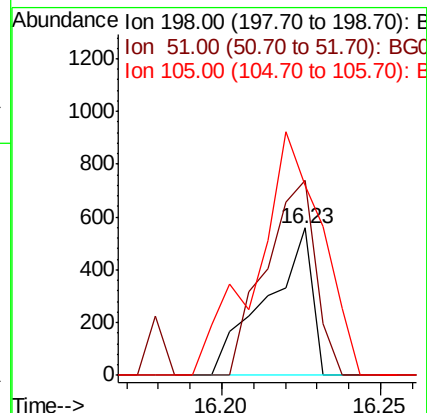
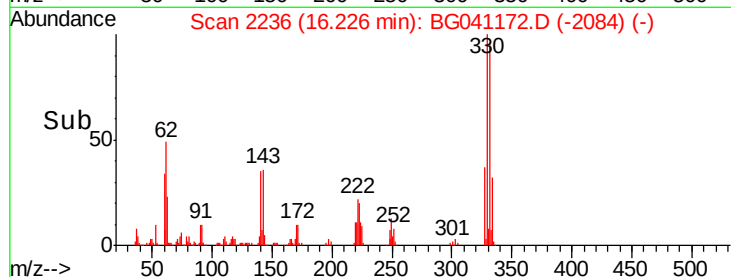


Abundance

Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.877 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.43 min

Lab File: BG041172.D

Acq: 10 Jun 2019 20:48

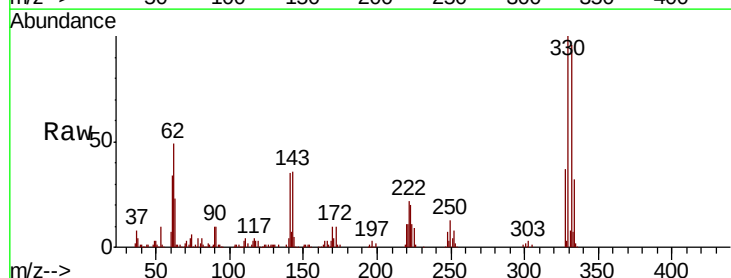
Tgt Ion:248 Resp: 13407

Ion Ratio Lower Upper

248 100

250 185.9 75.0 112.4#

141 482.1 52.4 78.6#

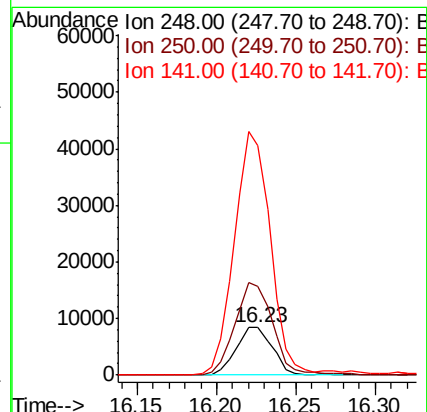
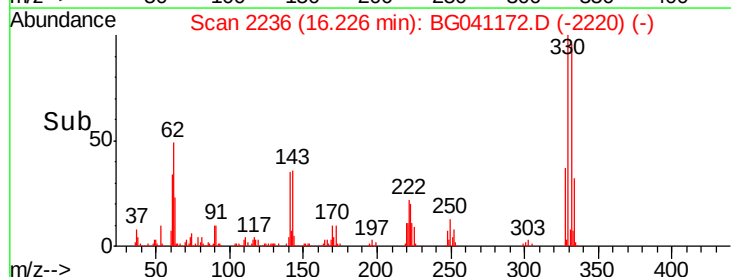


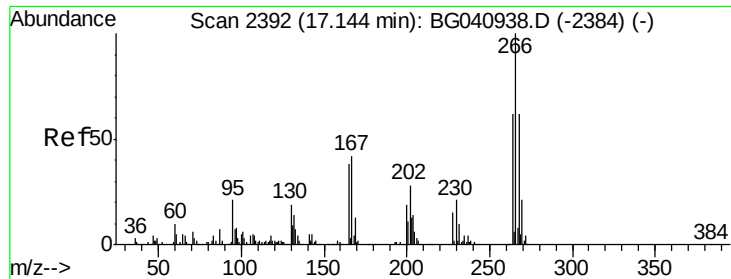
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

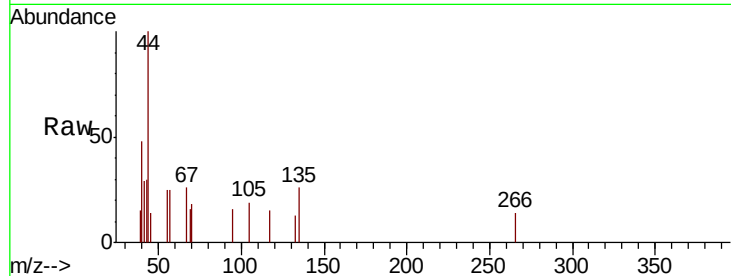




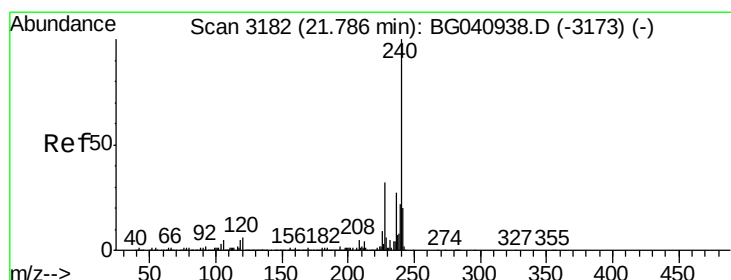
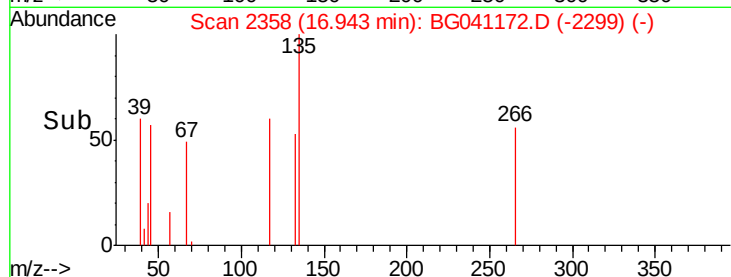
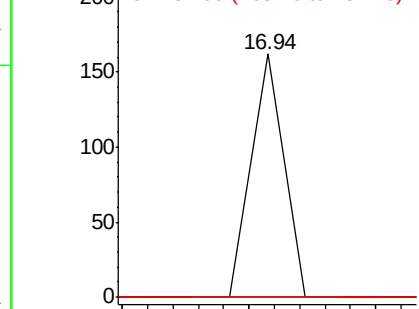
#70
 Pentachlorophenol
 Concen: 4.276 ng
 RT: 16.94 min Scan# 2358
 Delta R.T. -0.18 min
 Lab File: BG041172.D
 Acq: 10 Jun 2019 20:48

Instrument :
 BNA_G
 ClientSampleId :
 P-4-OW

Tgt Ion	Ratio	Lower	Upper
266	100		
268	0.0	53.1	79.7#
264	0.0	49.9	74.9#

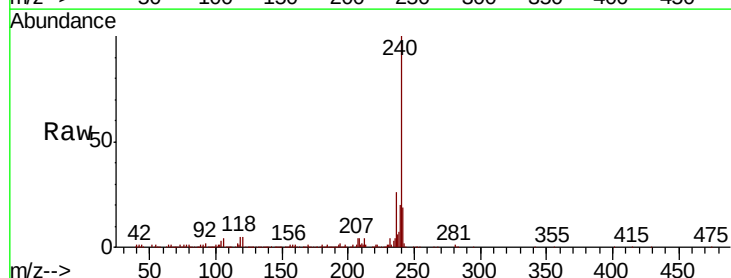


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

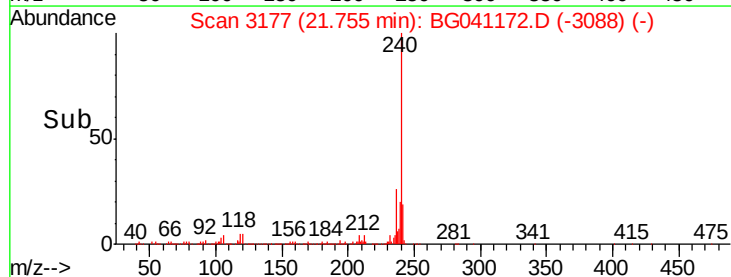
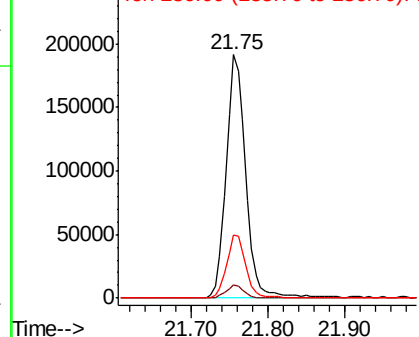


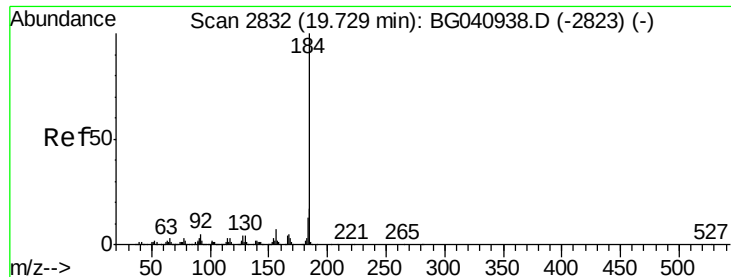
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3177
 Delta R.T. -0.00 min
 Lab File: BG041172.D
 Acq: 10 Jun 2019 20:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.5	6.7
236	26.0	21.3	31.9



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

Benzidine

Concen: 2.629 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.37 min

Lab File: BG041172.D

Acq: 10 Jun 2019 20:48

Instrument :

BNA_G

ClientSampleId :

P-4-OW

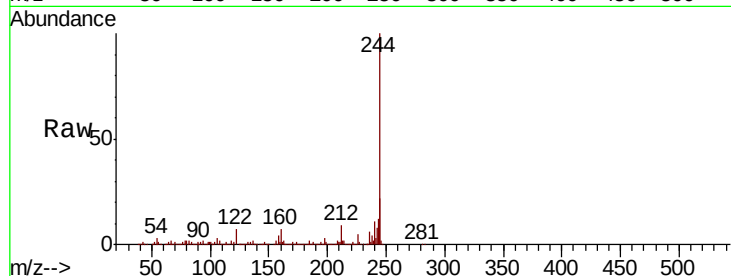
Tgt Ion:184 Resp: 21204

Ion Ratio Lower Upper

184 100

185 15.7 13.3 19.9

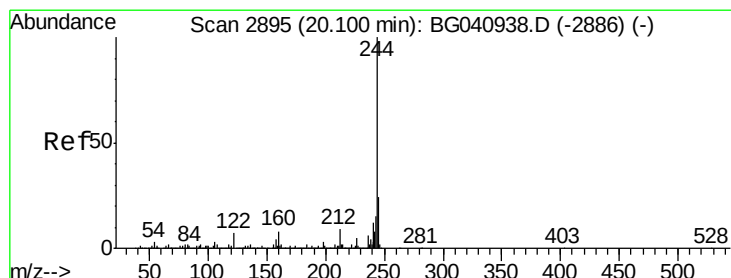
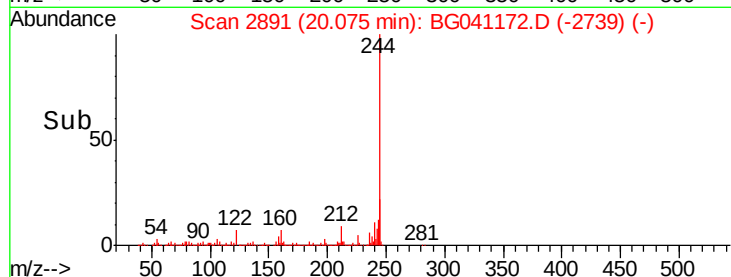
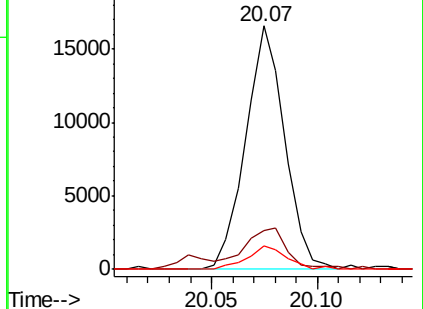
183 9.8 10.7 16.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 79.671 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041172.D

Acq: 10 Jun 2019 20:48

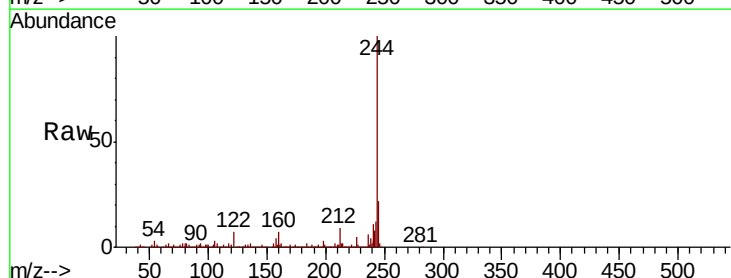
Tgt Ion:244 Resp: 1269251

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.4

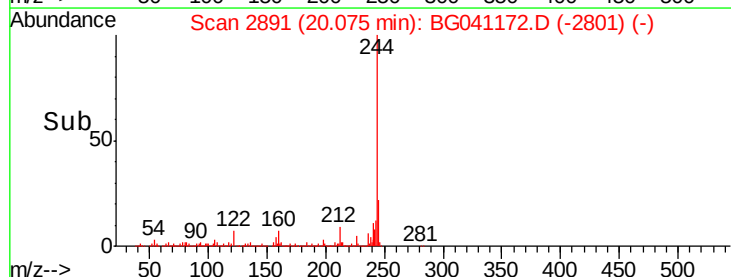
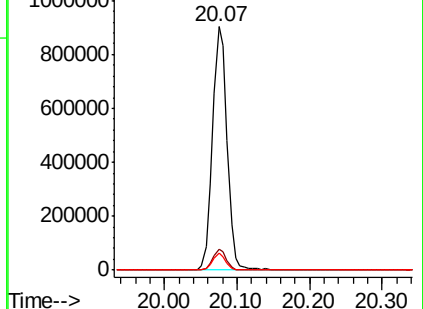
122 6.9 5.4 8.0

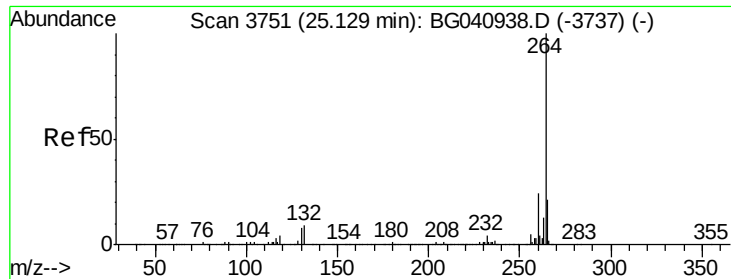


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.09 min Scan# 3744
Delta R.T. 0.00 min
Lab File: BG041172.D
Acq: 10 Jun 2019 20:48

Instrument :
BNA_G
ClientSampleId :
P-4-OW

Tgt Ion:	264	Resp:	324878
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	21.7	17.0	25.4

