

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
 Data File : BG041134.D
 Acq On : 8 Jun 2019 15:30
 Operator : HP/JU
 Sample : K3153-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 09 23:01:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

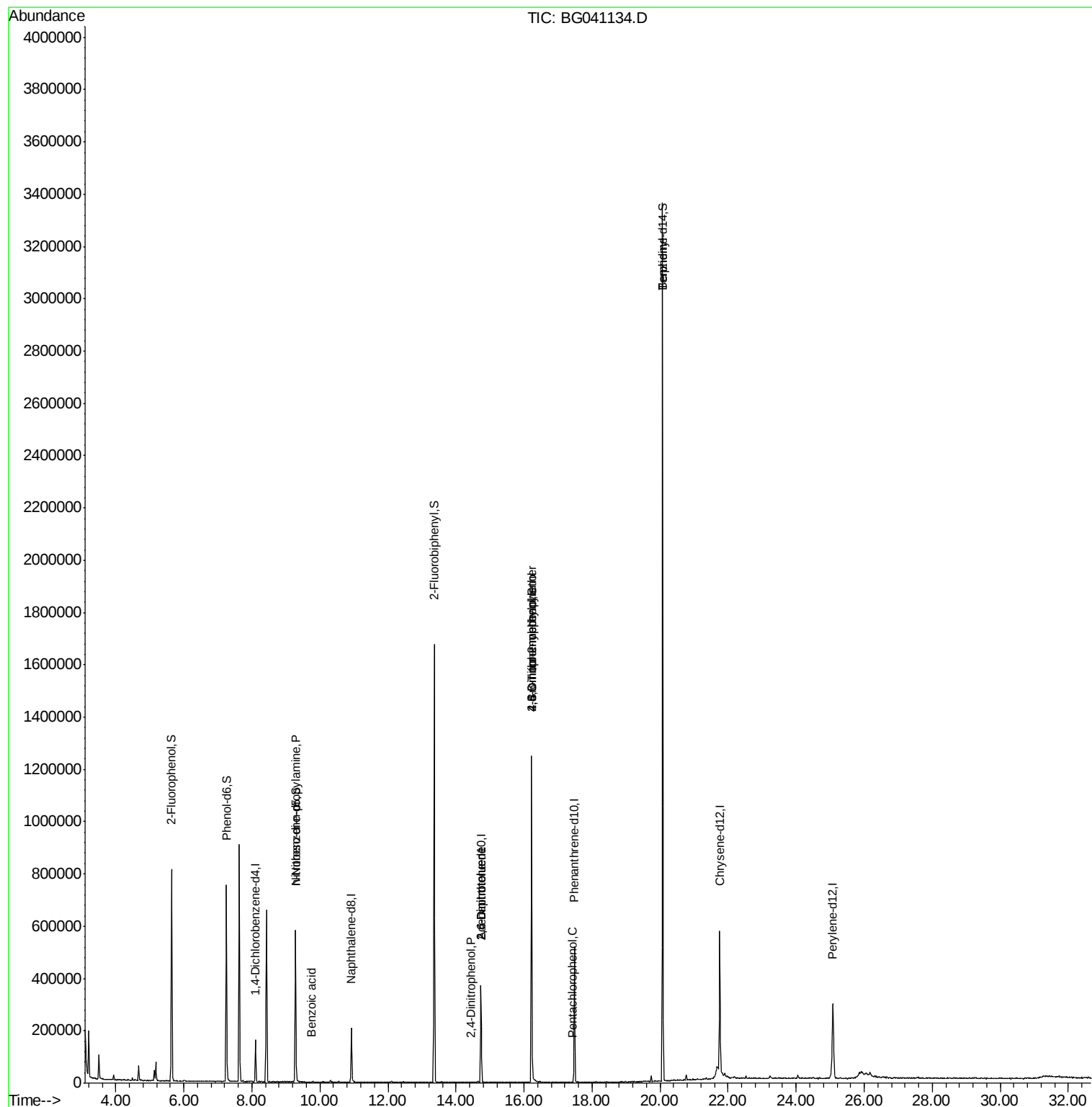
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	41393	20.00	ng	-0.03
21) Naphthalene-d8	10.92	136	168624	20.00	ng	-0.03
39) Acenaphthene-d10	14.74	164	127901	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	328646	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	327480	20.00	ng	-0.03
87) Perylene-d12	25.08	264	339154	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	306121	133.36	ng	-0.02
7) Phenol-d6	7.25	99	391163	110.34	ng	-0.02
23) Nitrobenzene-d5	9.28	82	357455	94.11	ng	-0.02
42) 2,4,6-Tribromophenol	16.22	330	240876	126.86	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	864500	97.34	ng	-0.02
79) Terphenyl-d14	20.08	244	1531492	99.25	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	51577	18.905	ng	# 77
32) Benzoic acid	9.76	122	64	8.156	ng	# 1
51) 2,6-Dinitrotoluene	14.74	165	16589	7.106	ng	# 20
54) 2,4-Dinitrophenol	14.45	184	59	8.312	ng	# 18
57) 2,4-Dinitrotoluene	14.74	165	16589	5.031	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.22	198	513	8.829	ng	# 1
67) 4-Bromophenyl-phenylether	16.22	248	19184	4.325	ng	# 1
70) Pentachlorophenol	17.41	266	62	4.279	ng	# 18
77) Benzidine	20.08	184	26249	3.360	ng	97

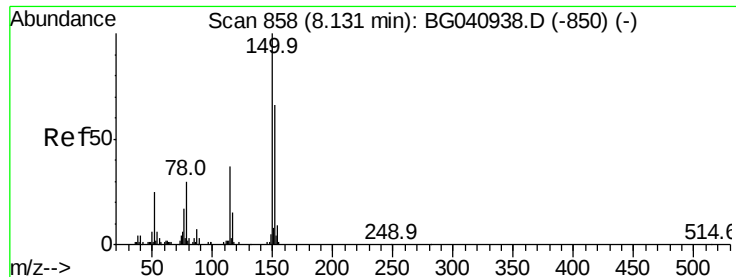
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060819\
Data File : BG041134.D
Acq On : 8 Jun 2019 15:30
Operator : HP/JU
Sample : K3153-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jun 09 23:01:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration



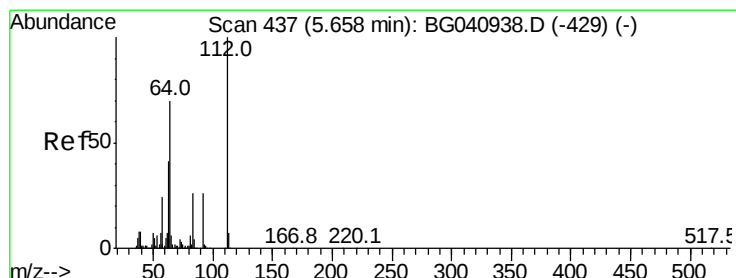
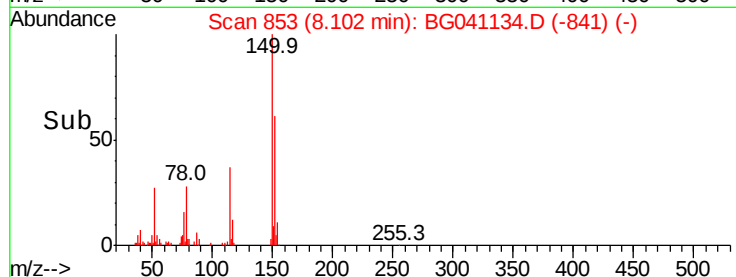
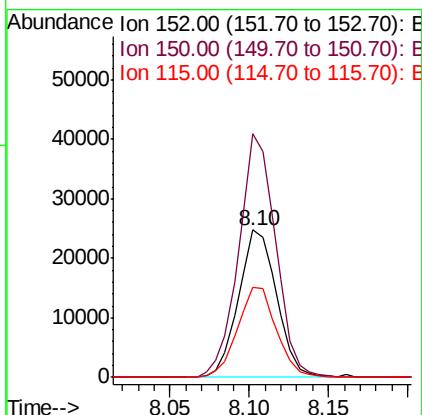
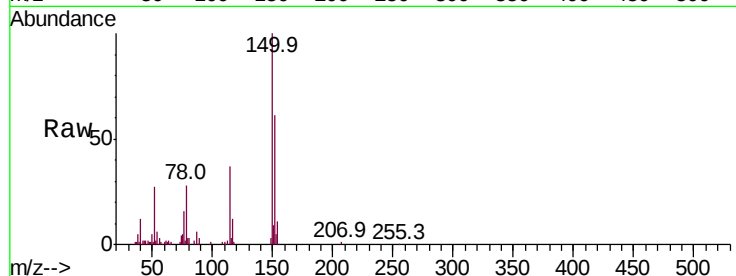


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 853
Delta R.T. -0.03 min
Lab File: BG041134.D
Acq: 8 Jun 2019 15:30

Instrument :
BNA_G
ClientSampleId :

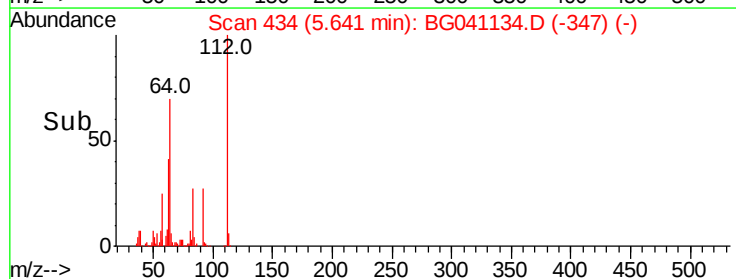
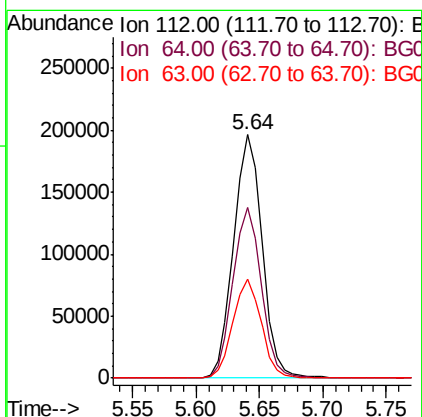
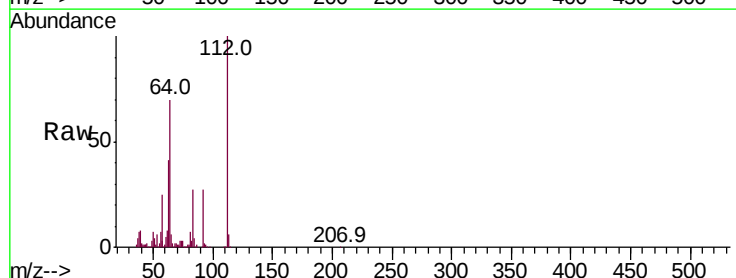
Tot Ion	Ratio	Lower	Upper
152	100		
150	165.0	120.6	180.8
115	61.0	45.1	67.7

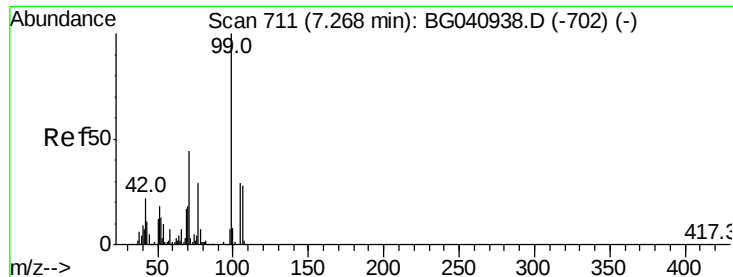


#5

2-Fluorophenol
Concen: 133.356 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG041134.D
Acq: 8 Jun 2019 15:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.9	56.2	84.2
63	40.6	32.8	49.2





#7

Phenol-d6

Concen: 110.336 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041134.D

Acq: 8 Jun 2019 15:30

Instrument :

BNA_G

ClientSampleId :

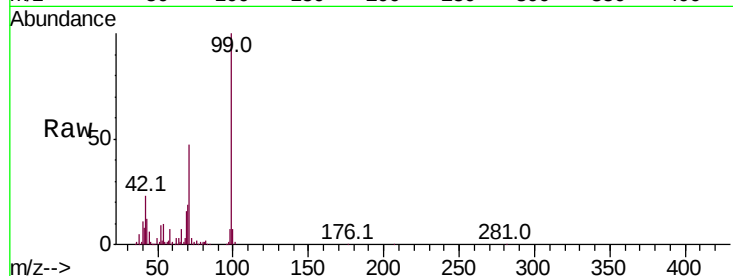
Tot Ion: 99 Resp: 391163

Ion Ratio Lower Upper

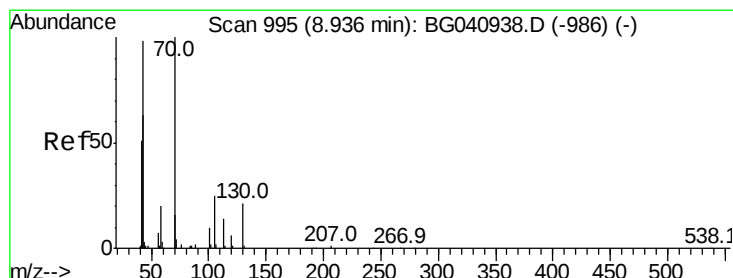
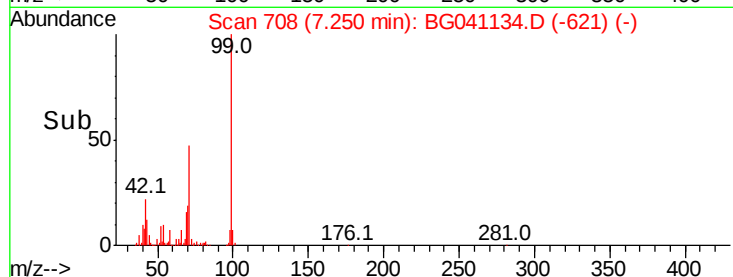
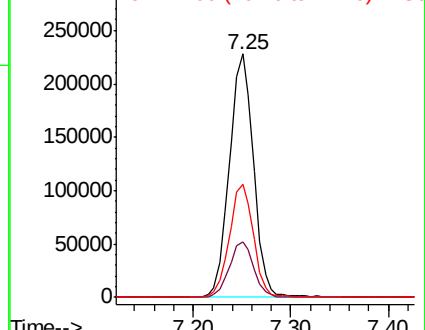
99 100

42 22.6 17.9 26.9

71 46.6 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: 18.905 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.35 min

Lab File: BG041134.D

Acq: 8 Jun 2019 15:30

Tgt Ion: 70 Resp: 51577

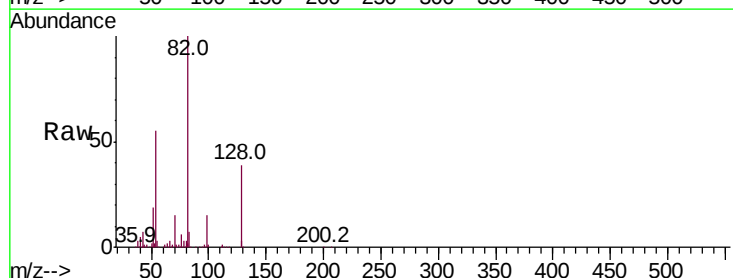
Ion Ratio Lower Upper

70 100

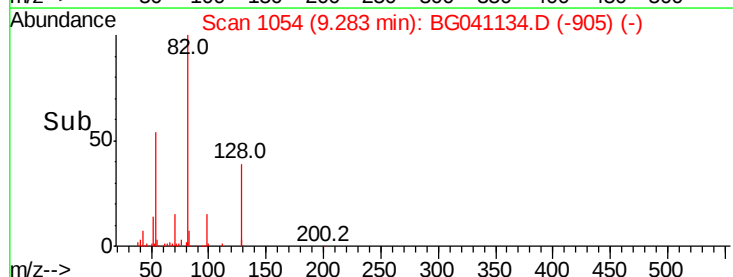
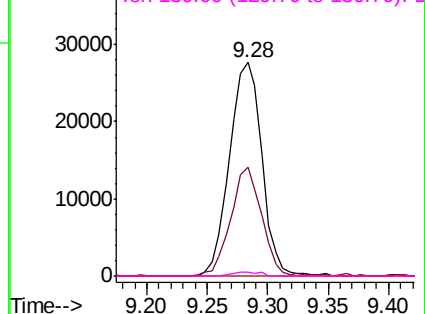
42 50.8 51.5 77.3#

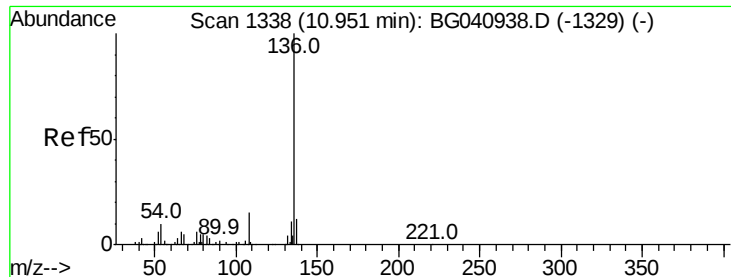
101 0.0 8.1 12.1#

130 2.1 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

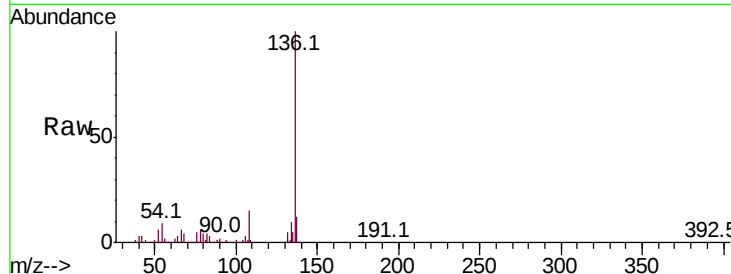




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.03 min
Lab File: BG041134.D
Acq: 8 Jun 2019 15:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	9.5	7.6	11.4
68	4.1	3.9	5.9



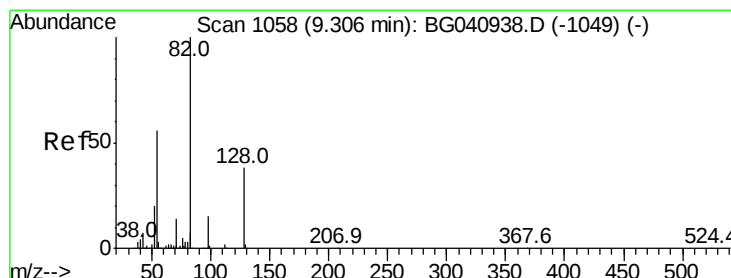
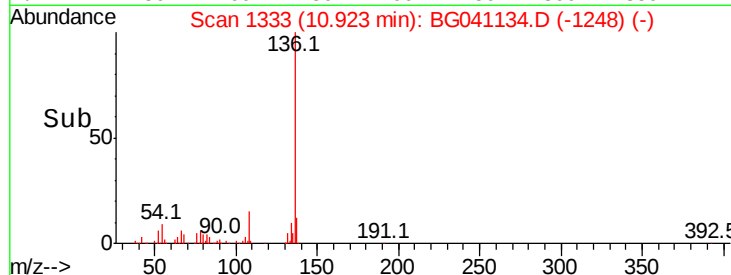
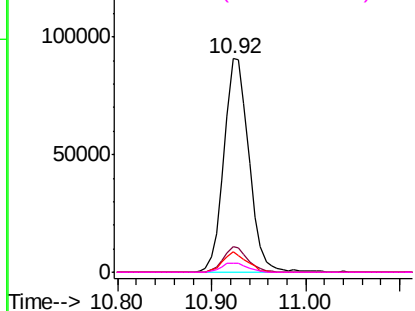
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

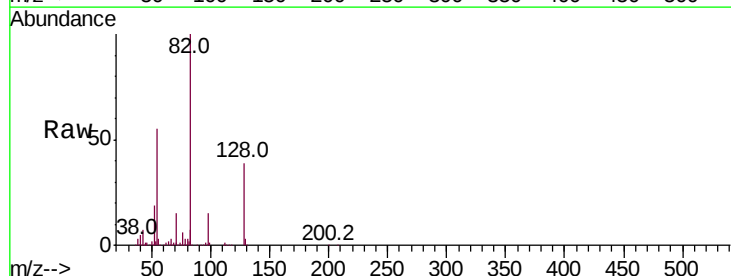
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 94.107 ng
RT: 9.28 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BG041134.D
Acq: 8 Jun 2019 15:30

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.7	30.5	45.7
54	55.4	44.6	66.8

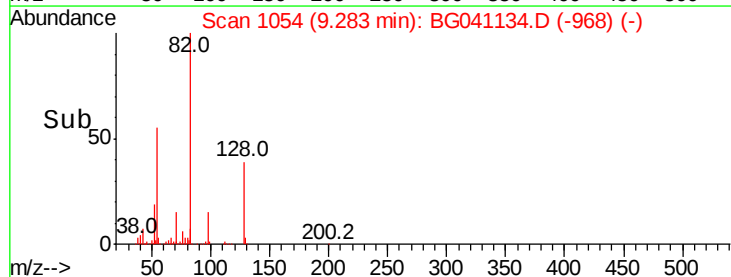
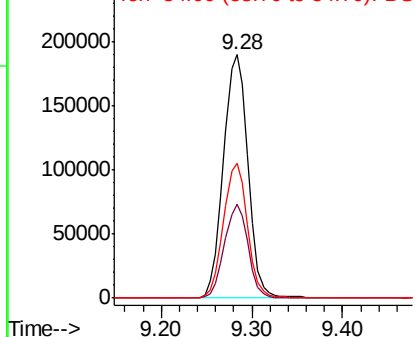


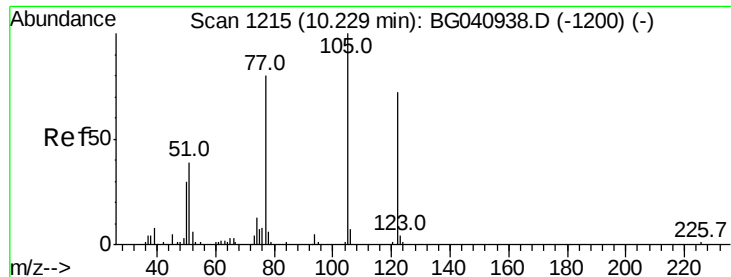
Abundance

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

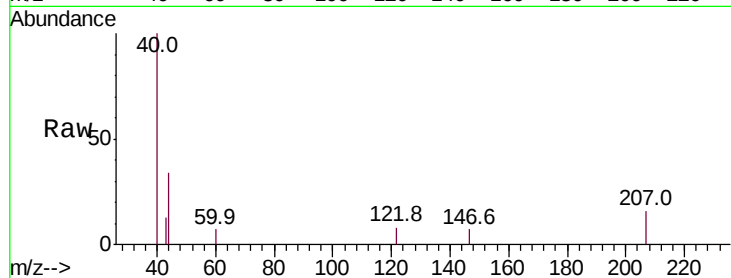




#32
Benzoic acid
Concen: 8.156 ng
RT: 9.76 min Scan# 1135
Delta R.T. -0.47 min
Lab File: BG041134.D
Acq: 8 Jun 2019 15:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#

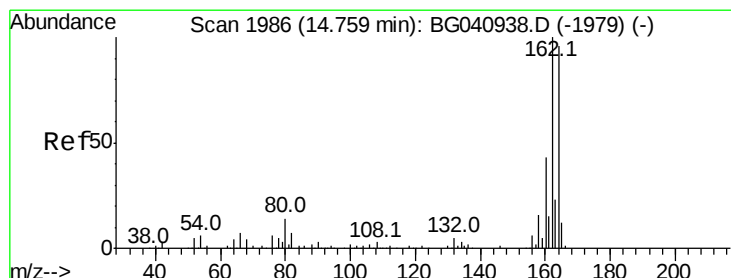
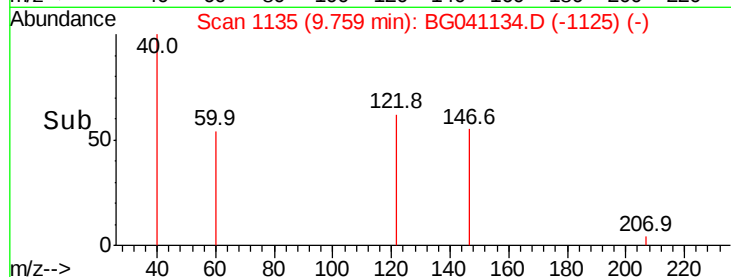
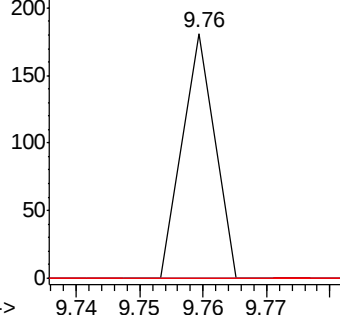


Abundance

Ion 122.00 (121.70 to 122.70): E

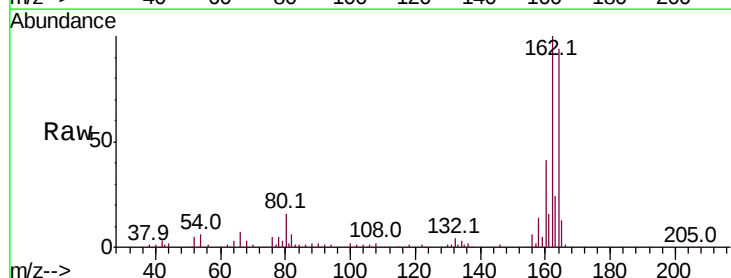
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1982
Delta R.T. -0.02 min
Lab File: BG041134.D
Acq: 8 Jun 2019 15:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	83.0	124.4
160	44.0	35.6	53.4

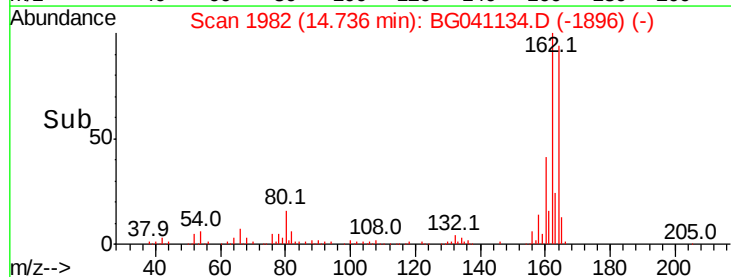
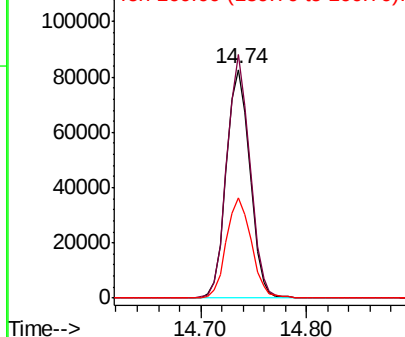


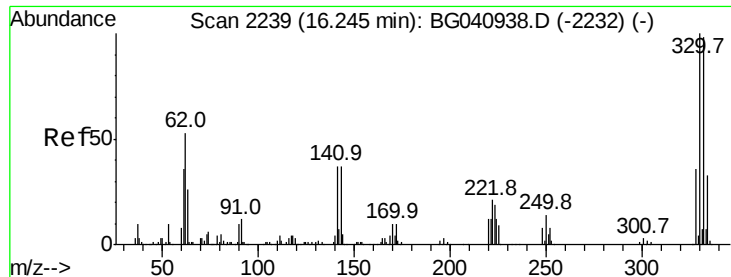
Abundance

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: 126.858 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BG041134.D

Acq: 8 Jun 2019 15:30

Instrument :

BNA_G

ClientSampleId :

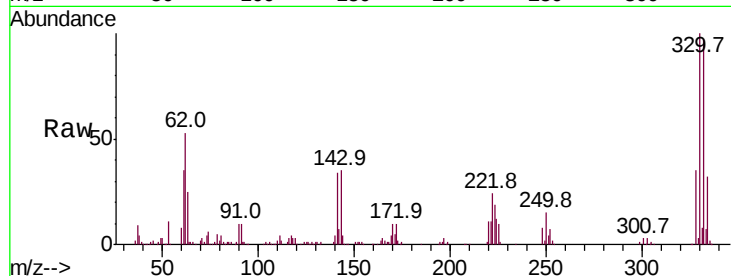
Tot Ion:330 Resp: 240876

Ion Ratio Lower Upper

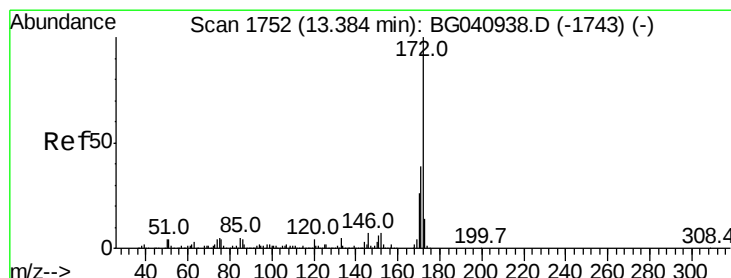
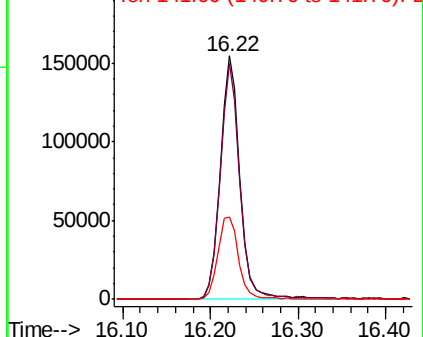
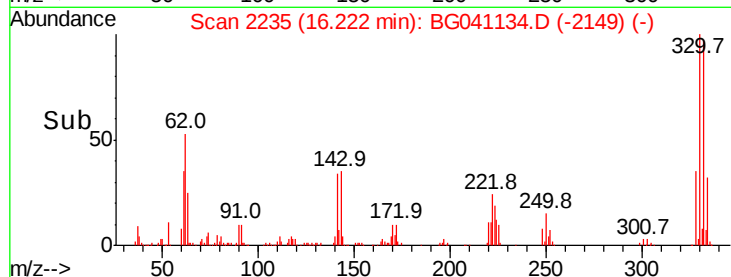
330 100

332 96.3 78.5 117.7

141 35.5 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: 97.339 ng

RT: 13.36 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BG041134.D

Acq: 8 Jun 2019 15:30

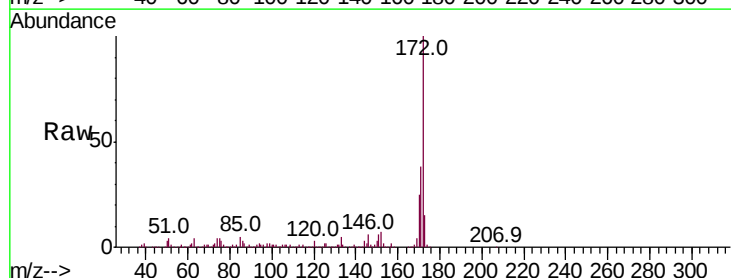
Tgt Ion:172 Resp: 864500

Ion Ratio Lower Upper

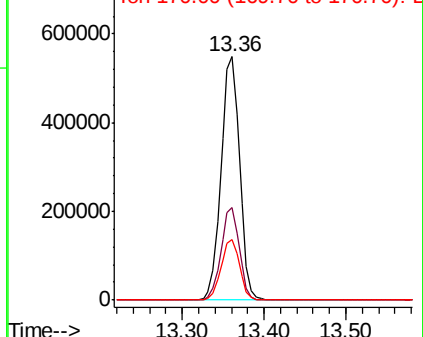
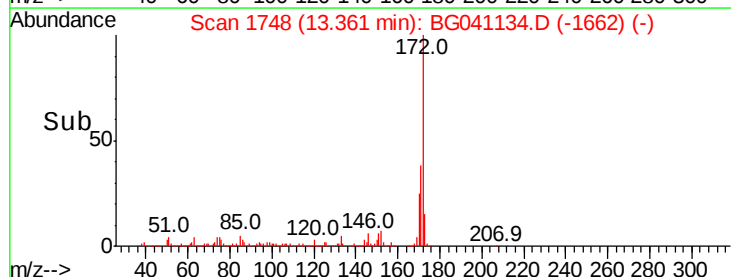
172 100

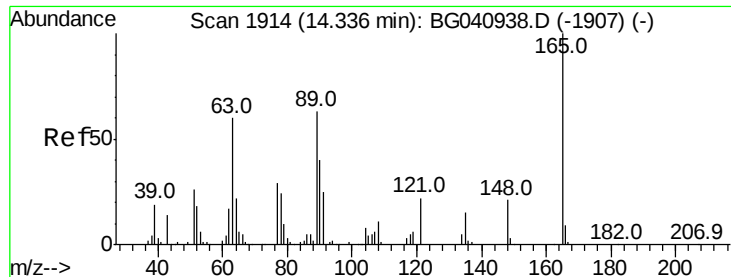
171 37.9 31.1 46.7

170 25.1 20.5 30.7



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

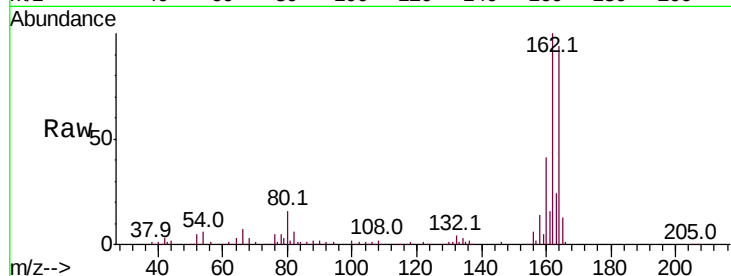




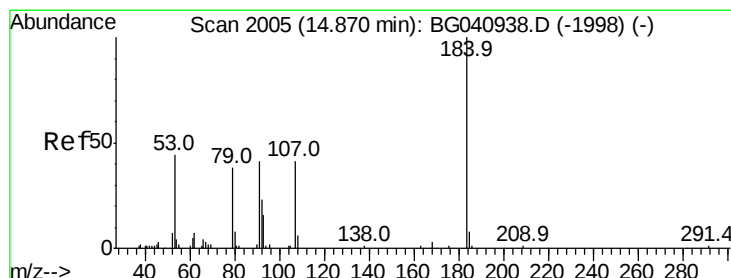
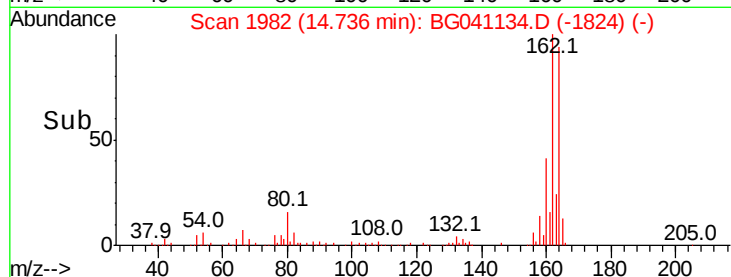
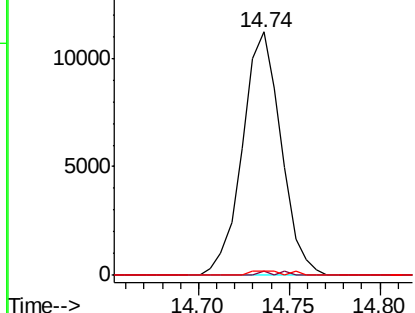
#51
 2,6-Dinitrotoluene
 Concen: 7.106 ng
 RT: 14.74 min Scan# 1982
 Delta R.T. 0.40 min
 Lab File: BG041134.D
 Acq: 8 Jun 2019 15:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	53.6	80.4#
89	2.0	50.4	75.6#

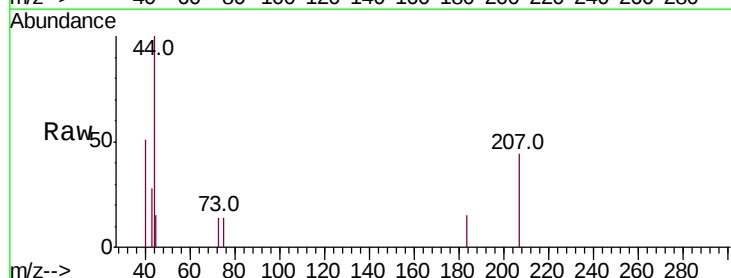


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0

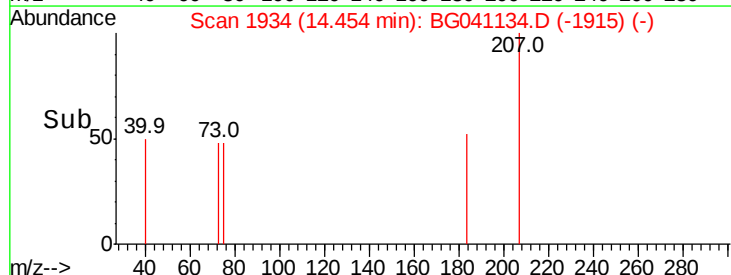
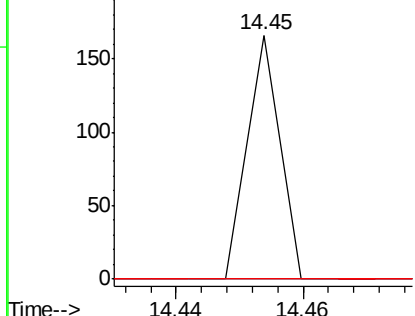


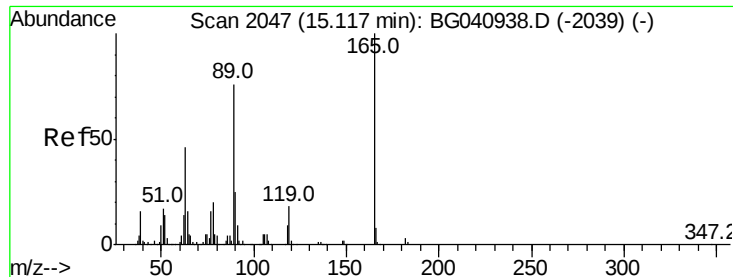
#54
 2,4-Dinitrophenol
 Concen: 8.312 ng
 RT: 14.45 min Scan# 1934
 Delta R.T. -0.42 min
 Lab File: BG041134.D
 Acq: 8 Jun 2019 15:30

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.8	74.6#
154	0.0	52.2	78.4#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.031 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.38 min

Lab File: BG041134.D

Acq: 8 Jun 2019 15:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 16589

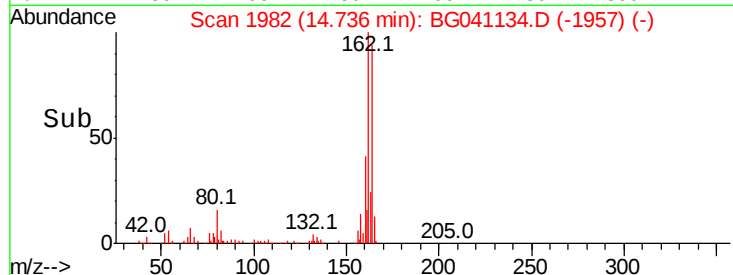
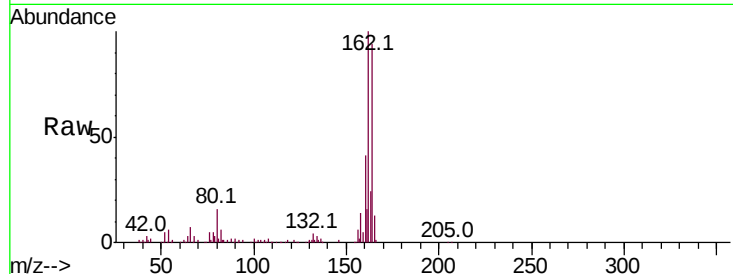
Ion Ratio Lower Upper

165 100

63 1.9 37.3 55.9#

89 2.0 61.0 91.6#

182 0.0 2.2 3.2#

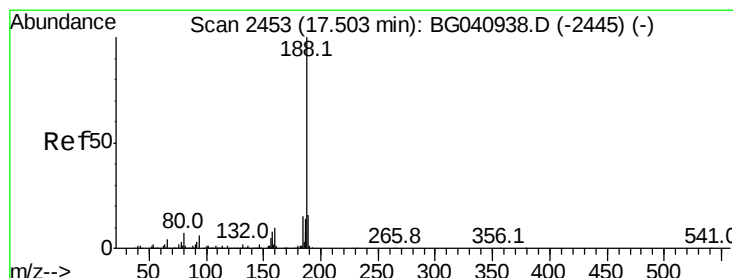
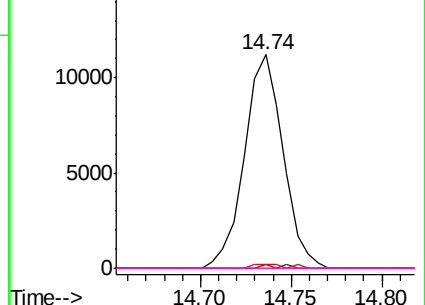


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2449

Delta R.T. -0.02 min

Lab File: BG041134.D

Acq: 8 Jun 2019 15:30

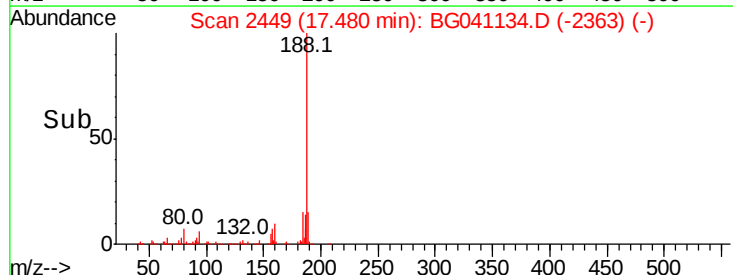
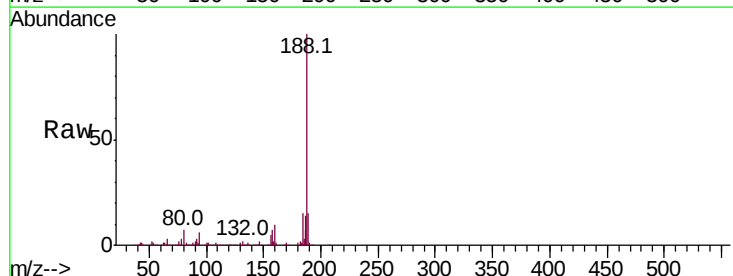
Tgt Ion:188 Resp: 328646

Ion Ratio Lower Upper

188 100

94 5.6 4.7 7.1

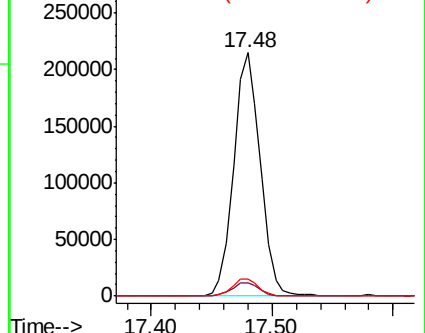
80 7.1 5.8 8.8

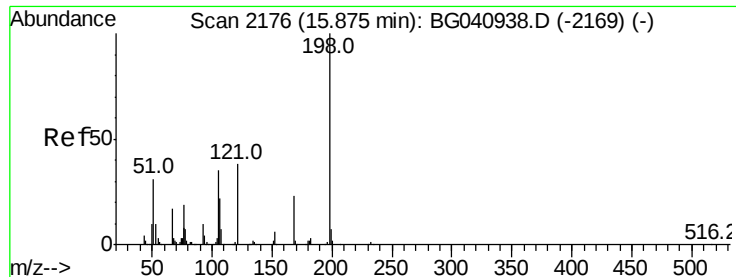


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.829 ng

RT: 16.22 min Scan# 2234

Delta R.T. 0.34 min

Lab File: BG041134.D

Acq: 8 Jun 2019 15:30

Instrument :

BNA_G

ClientSampled :

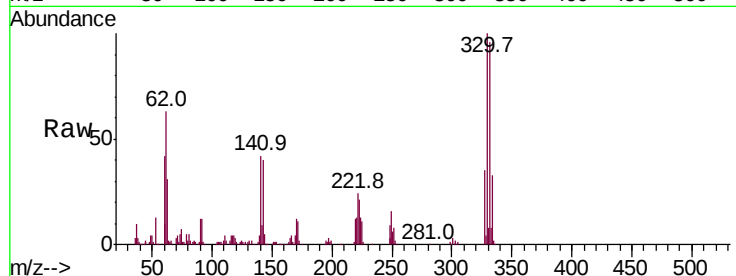
Tot Ion:198 Resp: 513

Ion Ratio Lower Upper

198 100

51 104.6 21.6 61.6#

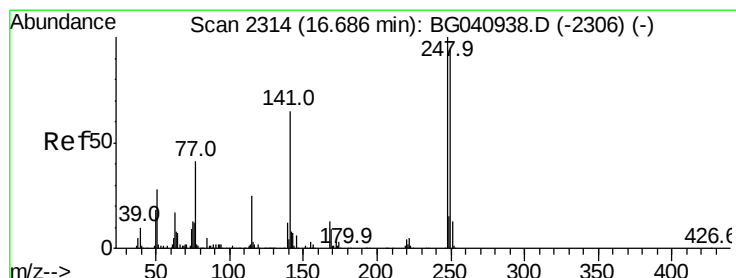
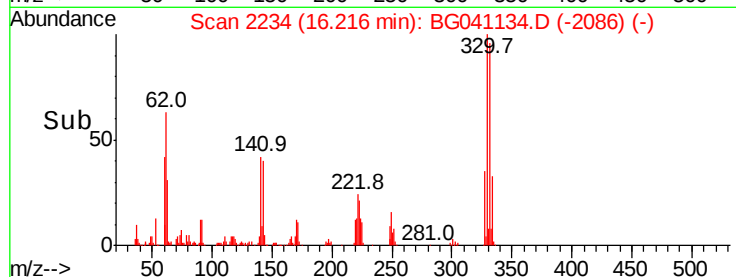
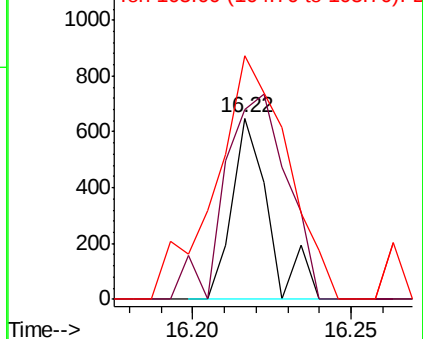
105 134.6 17.5 57.5#



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: 4.325 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.46 min

Lab File: BG041134.D

Acq: 8 Jun 2019 15:30

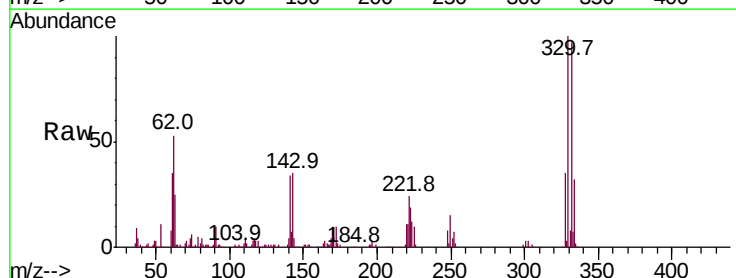
Tgt Ion:248 Resp: 19184

Ion Ratio Lower Upper

248 100

250 181.1 75.0 112.4#

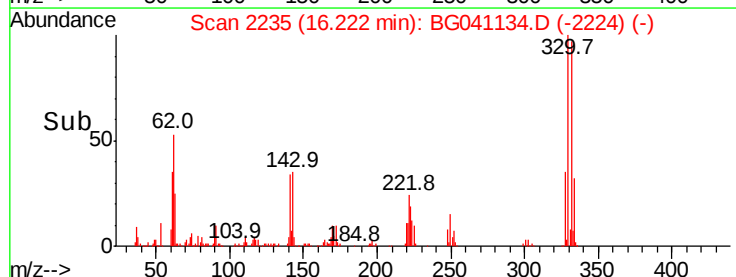
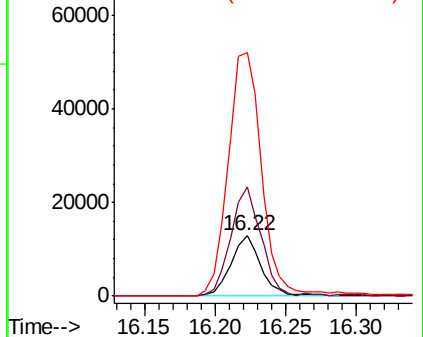
141 403.9 52.4 78.6#

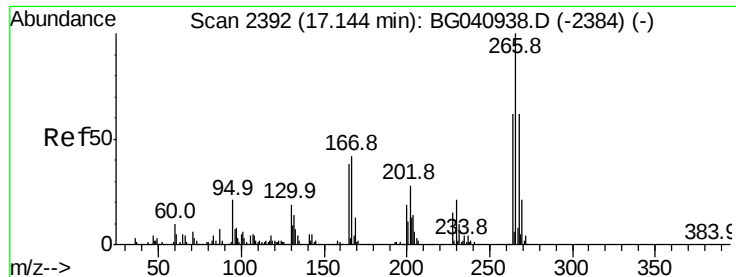


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Pentachlorophenol

Concen: 4.279 ng

RT: 17.41 min Scan# 2438

Delta R.T. 0.27 min

Lab File: BG041134.D

Acq: 8 Jun 2019 15:30

Instrument :

BNA_G

ClientSampleId :

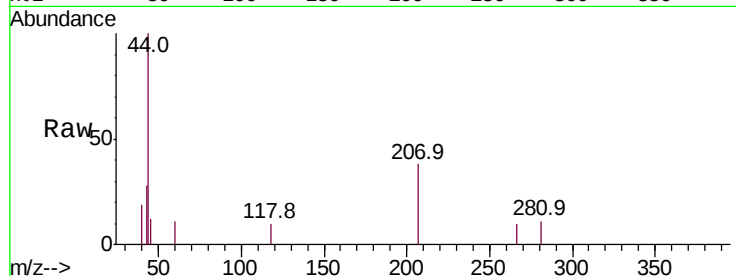
Tot Ion:266 Resp: 62

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

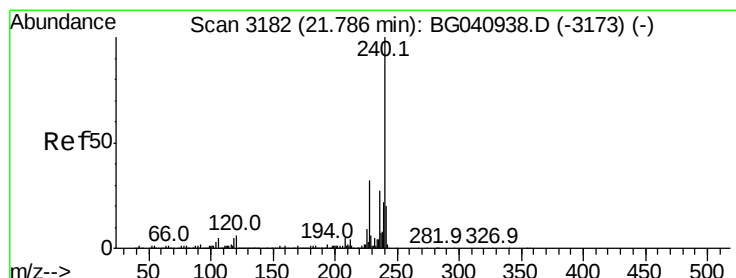
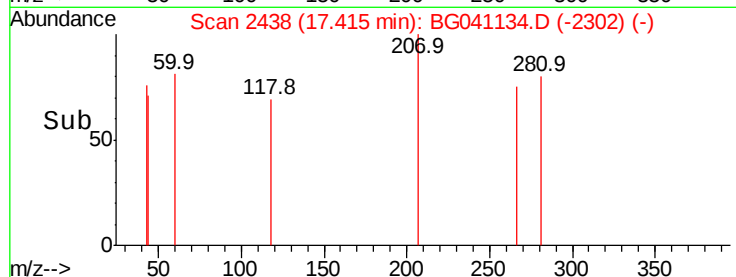
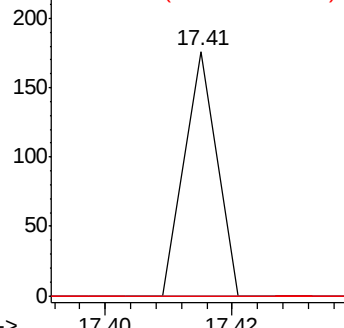
264 0.0 49.9 74.9#



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: 21.76 min Scan# 3177

Delta R.T. -0.03 min

Lab File: BG041134.D

Acq: 8 Jun 2019 15:30

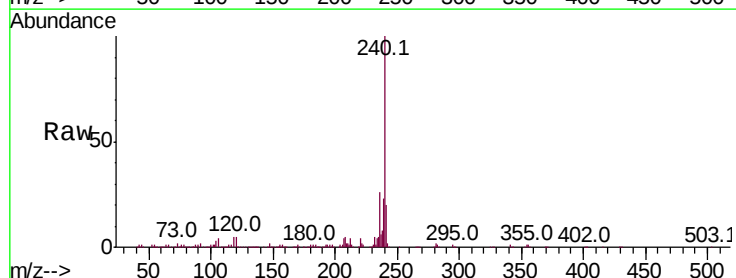
Tgt Ion:240 Resp: 327480

Ion Ratio Lower Upper

240 100

120 5.2 4.5 6.7

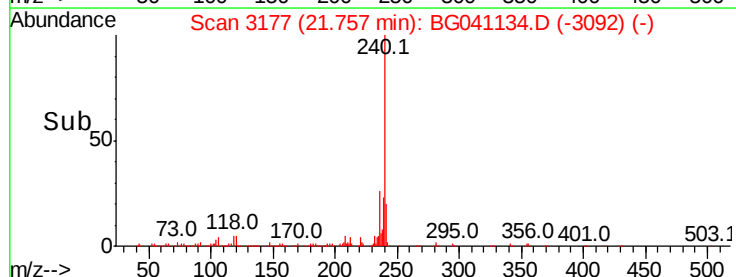
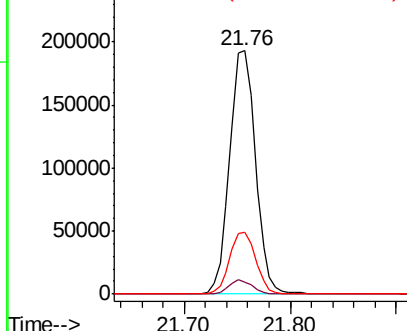
236 25.5 21.3 31.9

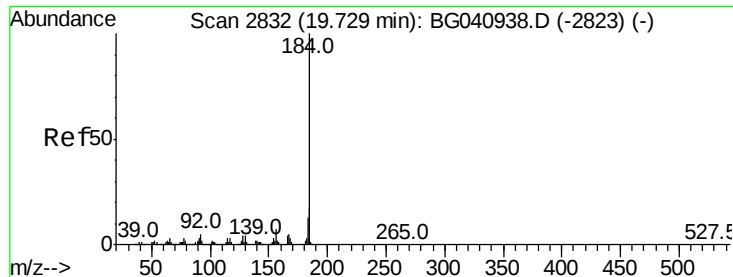


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.360 ng

RT: 20.08 min Scan# 2891

Delta R.T. 0.35 min

Lab File: BG041134.D

Acq: 8 Jun 2019 15:30

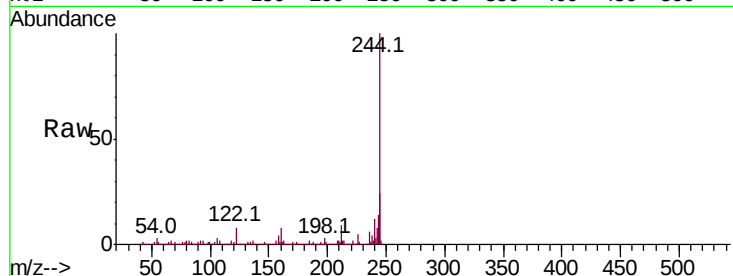
Instrument :

BNA_G

ClientSampled :

Tot Ion:184 Resp: 26249

Ion	Ratio	Lower	Upper
184	100		
185	17.5	13.3	19.9
183	11.5	10.7	16.1

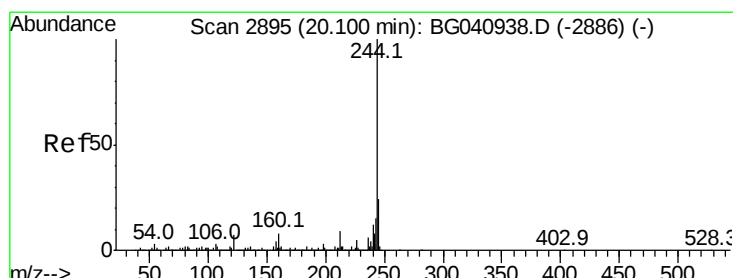
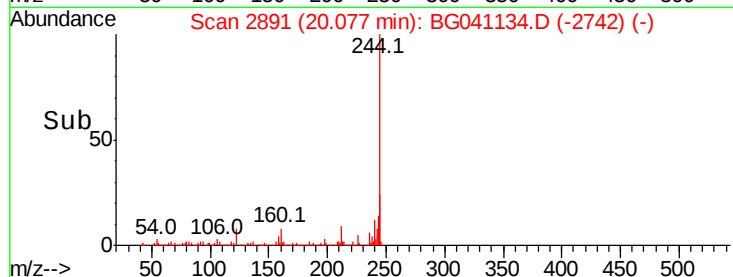
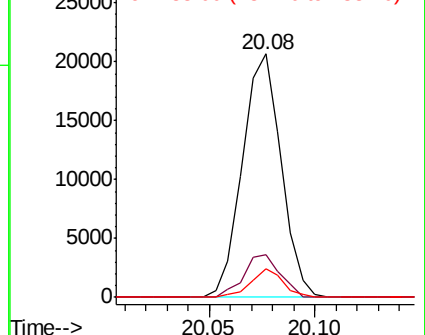


Abundance

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: 99.254 ng

RT: 20.08 min Scan# 2891

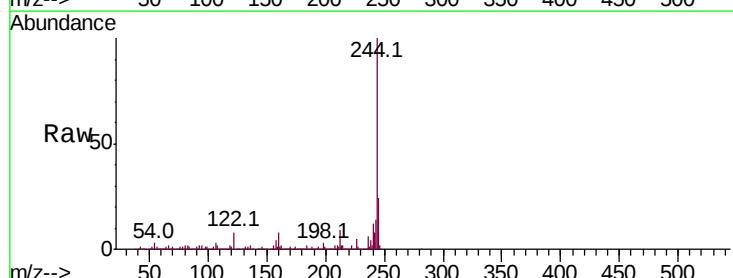
Delta R.T. -0.02 min

Lab File: BG041134.D

Acq: 8 Jun 2019 15:30

Tgt Ion:244 Resp: 1531492

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.0	10.4
122	7.7	5.4	8.0

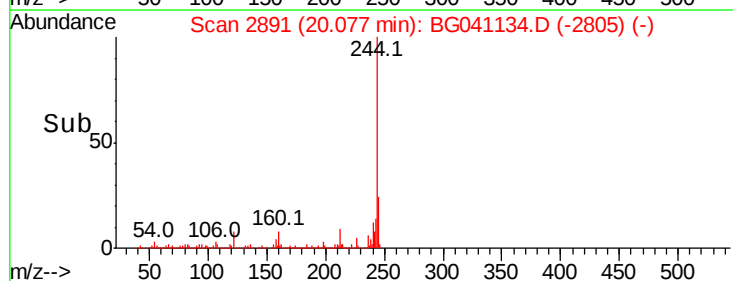
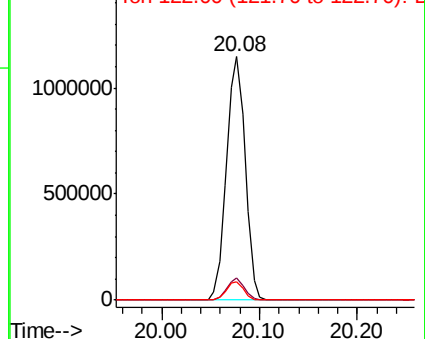


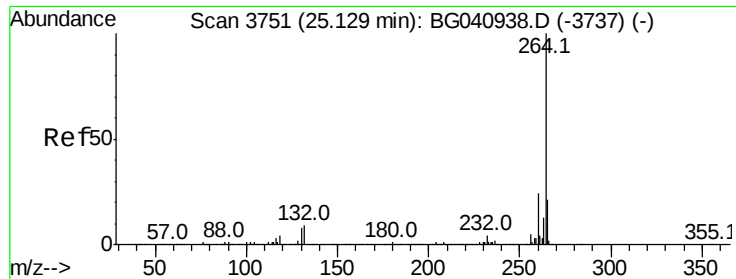
Abundance

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
Pervlene-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3742
Delta R.T. -0.05 min
Lab File: BG041134.D
Acq: 8 Jun 2019 15:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.3	17.0	25.4

