

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040960.D
 Acq On : 30 May 2019 21:27
 Operator : HP/JU
 Sample : K3075-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 04:04:14 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

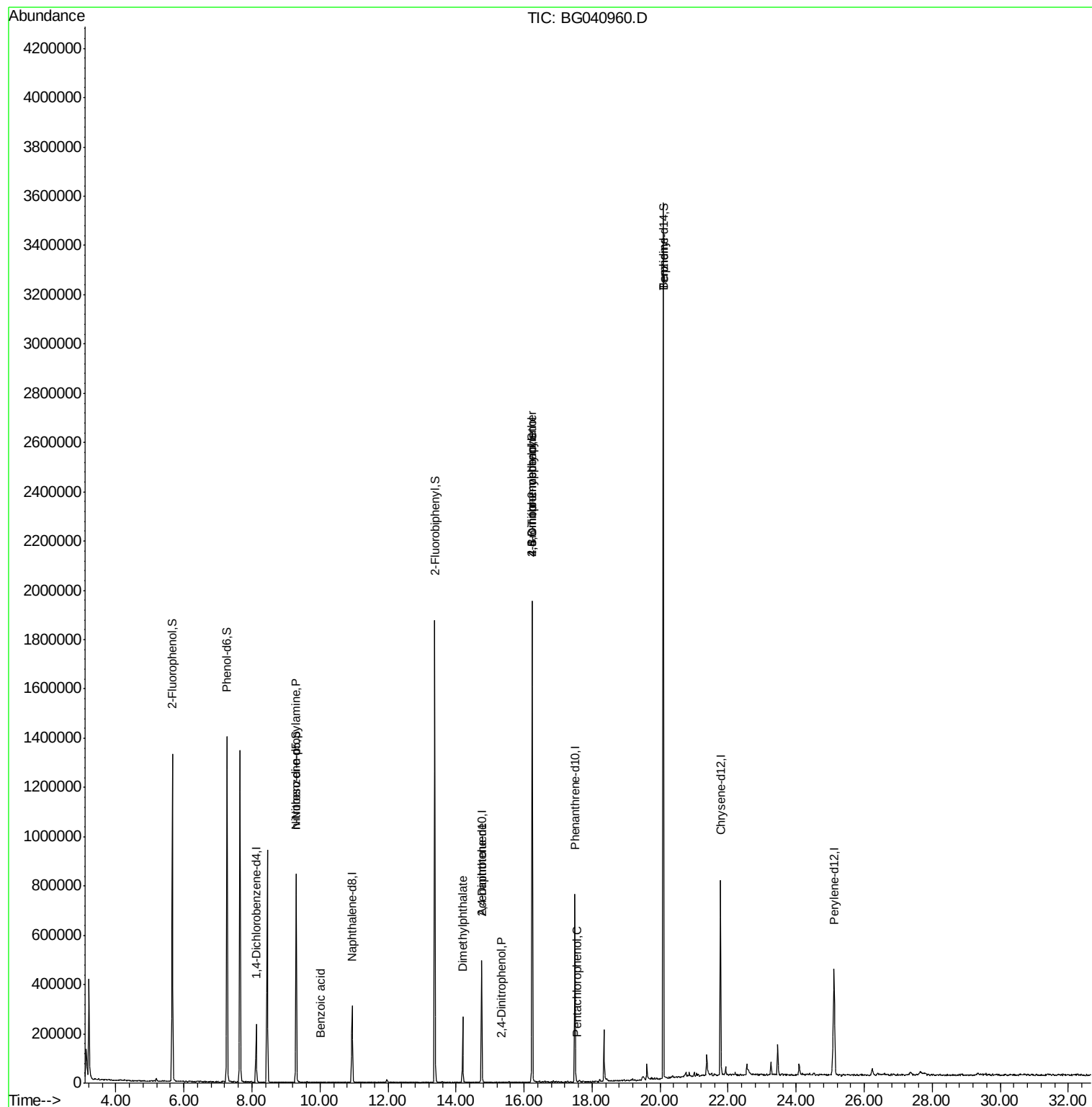
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	63362	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	242066	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	170677	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	457834	20.00	ng	0.00
76) Chrysene-d12	21.77	240	475186	20.00	ng	-0.01
87) Perylene-d12	25.11	264	496183	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	503570	143.31	ng	0.00
7) Phenol-d6	7.27	99	725894	133.76	ng	0.00
23) Nitrobenzene-d5	9.30	82	498342	91.39	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	366803	144.76	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	974388	82.22	ng	0.00
79) Terphenyl-d14	20.09	244	1654229	73.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	72339	17.322	ng	# 77
32) Benzoic acid	10.01	122	61	8.147	ng	# 1
50) Dimethylphthalate	14.19	163	167962	11.625	ng	96
54) 2,4-Dinitrophenol	15.33	184	81	8.313	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	21367	4.856	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.24	198	1113	8.962	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	28262	4.574	ng	# 1
70) Pentachlorophenol	17.55	266	57	4.271	ng	# 18
77) Benzidine	20.09	184	28776	2.539	ng	# 91

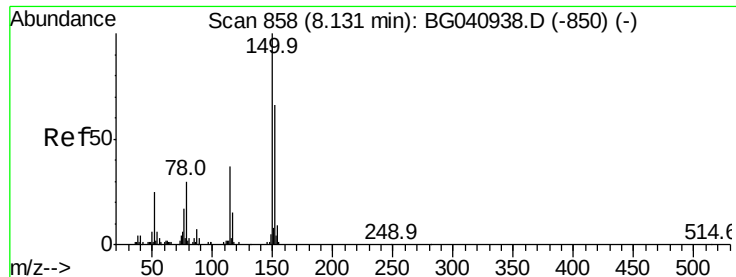
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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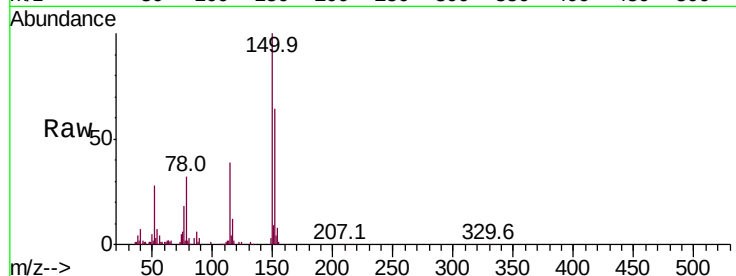


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040960.D
Acq: 30 May 2019 21:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	120.6	180.8
115	61.3	45.1	67.7

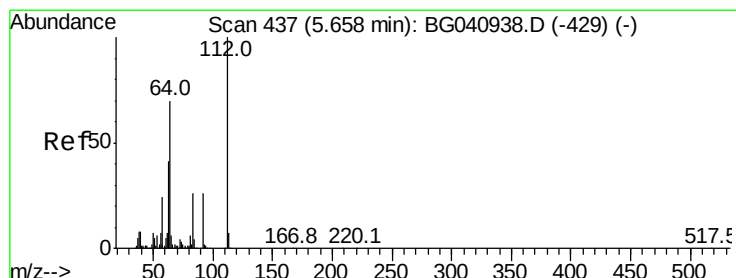
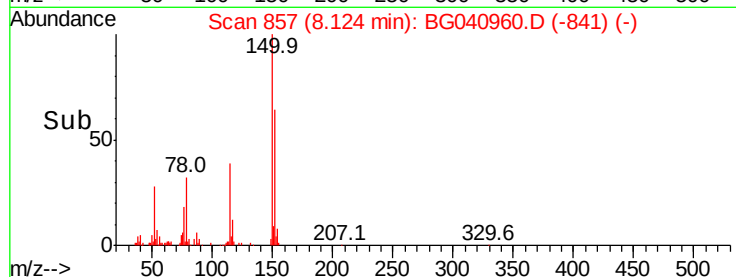
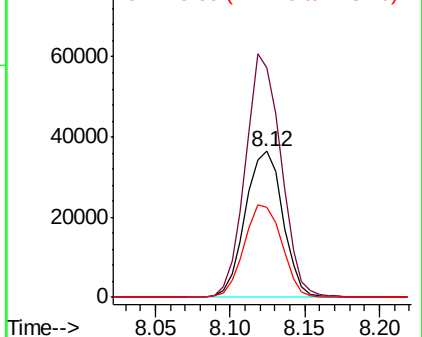


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

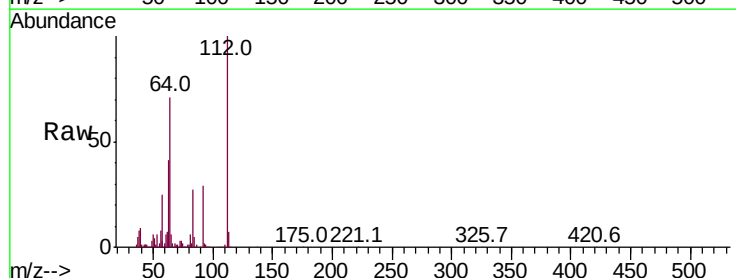
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 143.310 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG040960.D
Acq: 30 May 2019 21:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.6	56.2	84.2
63	41.3	32.8	49.2

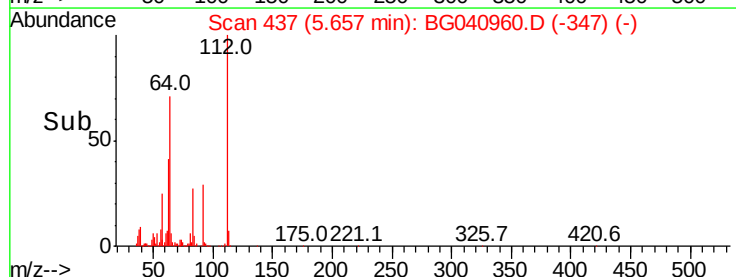
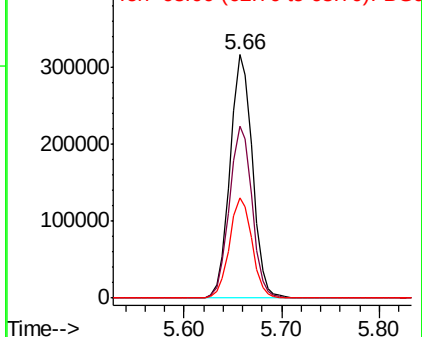


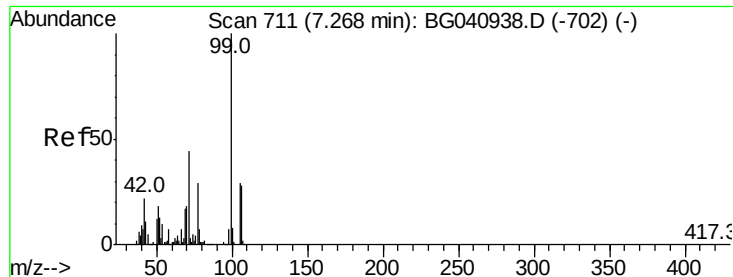
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 133.762 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040960.D

Acq: 30 May 2019 21:27

Instrument :

BNA_G

ClientSampled :

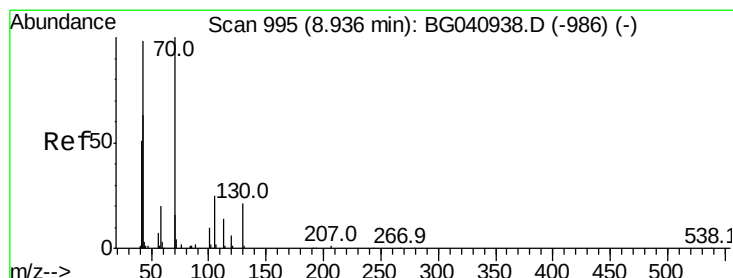
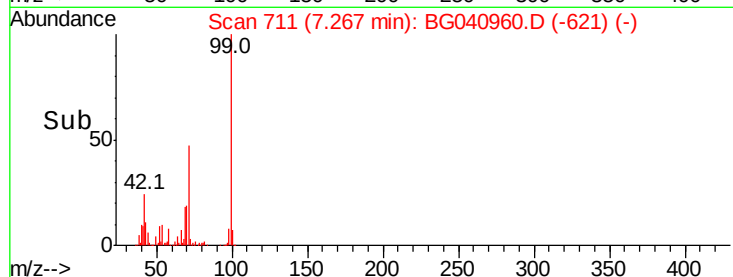
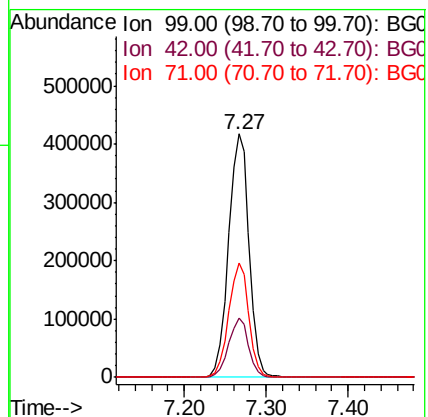
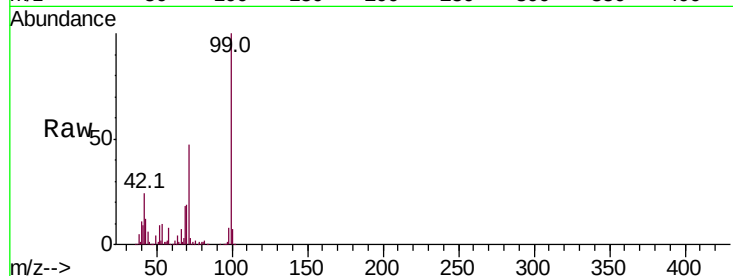
Tot Ion: 99 Resp: 725894

Ion Ratio Lower Upper

99 100

42 24.4 17.9 26.9

71 47.1 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.322 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG040960.D

Acq: 30 May 2019 21:27

Tgt Ion: 70 Resp: 72339

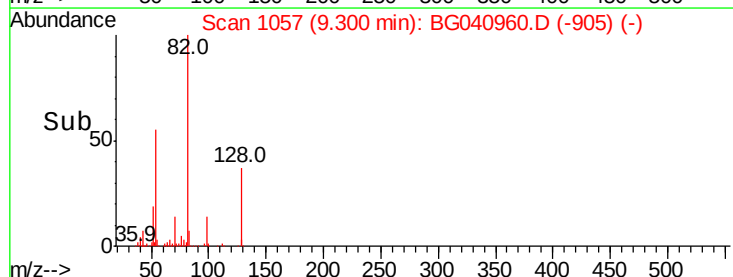
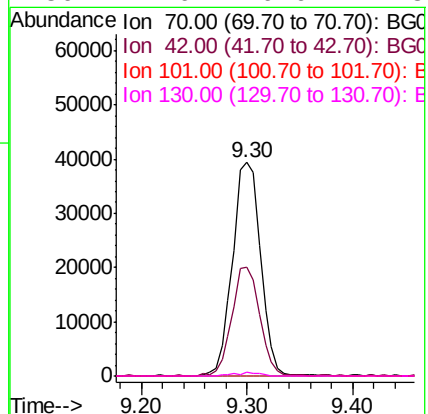
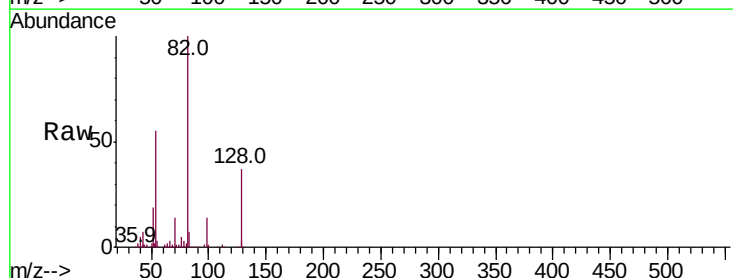
Ion Ratio Lower Upper

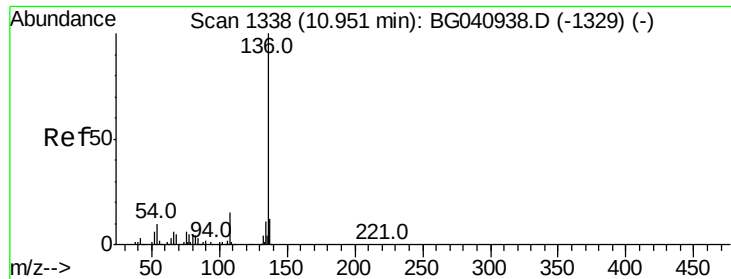
70 100

42 51.1 51.5 77.3#

101 0.0 8.1 12.1#

130 1.6 16.6 24.8#

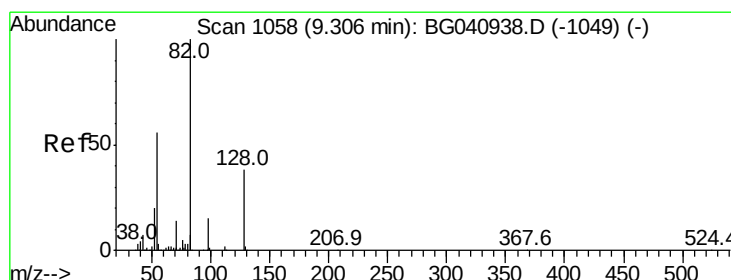
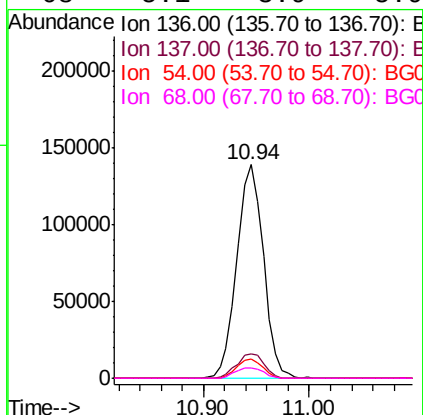
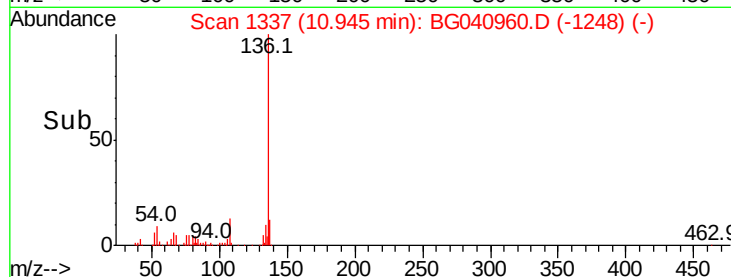
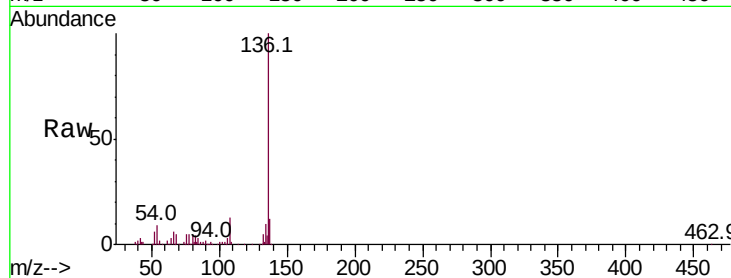




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040960.D
Acq: 30 May 2019 21:27

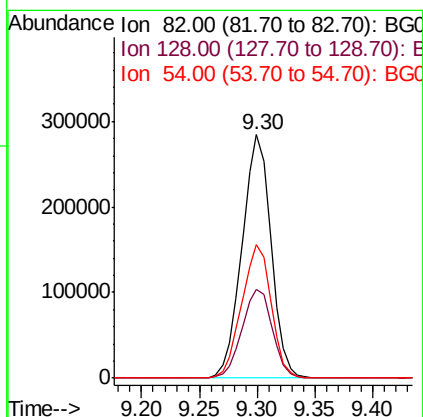
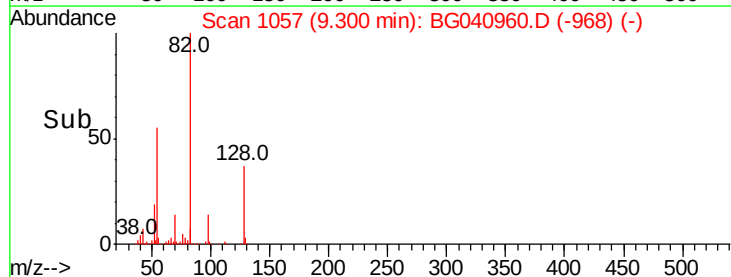
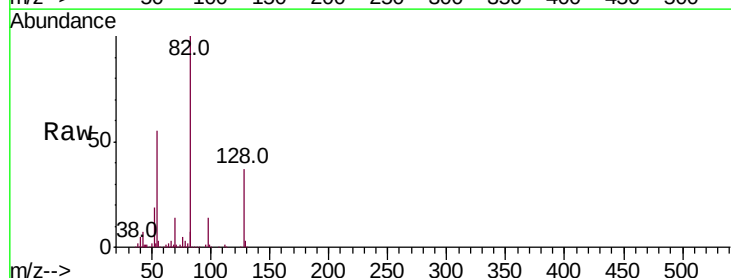
Instrument :
BNA_G
ClientSampleId :

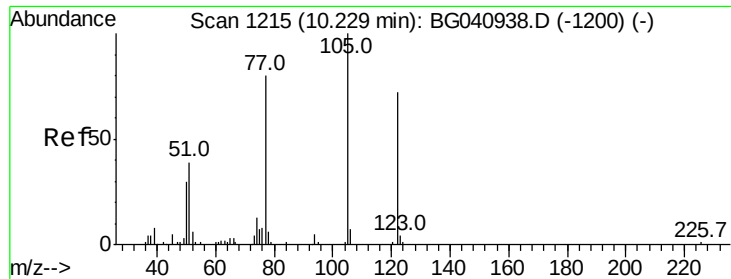
Tot Ion:136	Resp:	242066
Ion Ratio	Lower	Upper
136 100		
137 11.7	9.5	14.3
54 8.8	7.6	11.4
68 5.1	3.9	5.9



#23
Nitrobenzene-d5
Concen: 91.393 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG040960.D
Acq: 30 May 2019 21:27

Tgt	Ion: 82	Resp:	498342
Ion	Ratio	Lower	Upper
82	100		
128	36.5	30.5	45.7
54	55.0	44.6	66.8

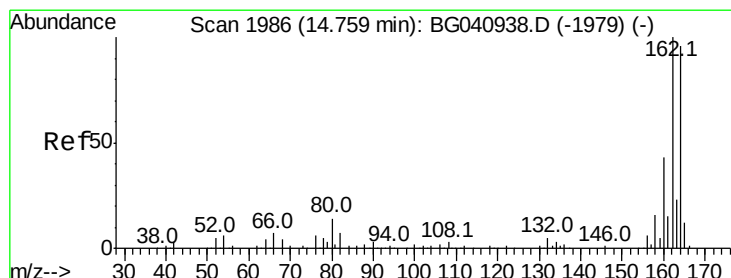
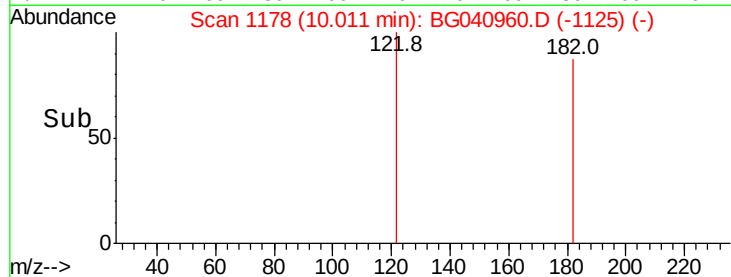
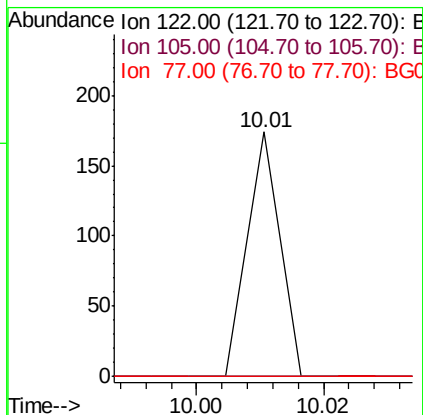
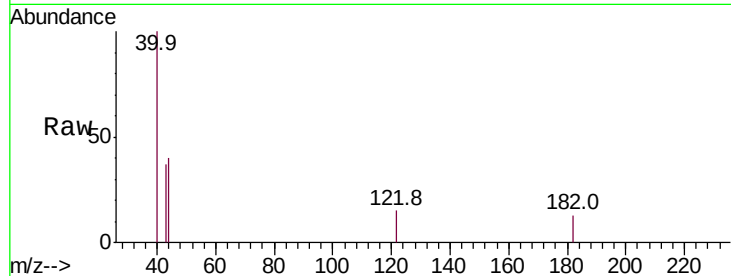




#32
Benzoic acid
Concen: 8.147 ng
RT: 10.01 min Scan# 1178
Delta R.T. -0.22 min
Lab File: BG040960.D
Acq: 30 May 2019 21:27

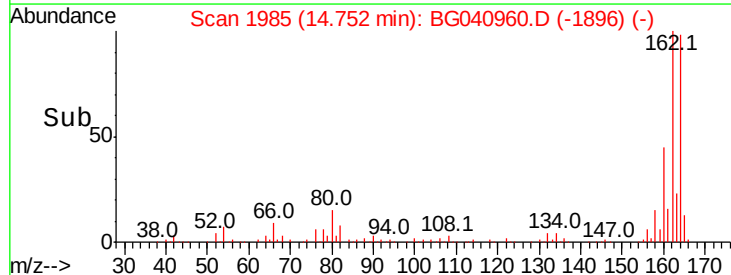
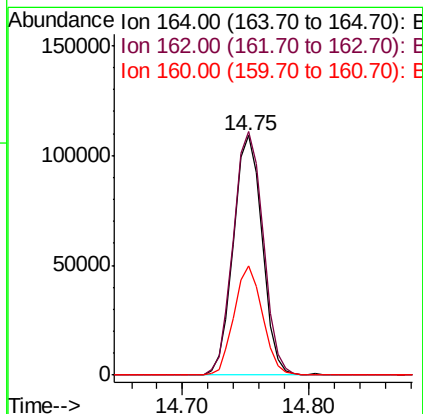
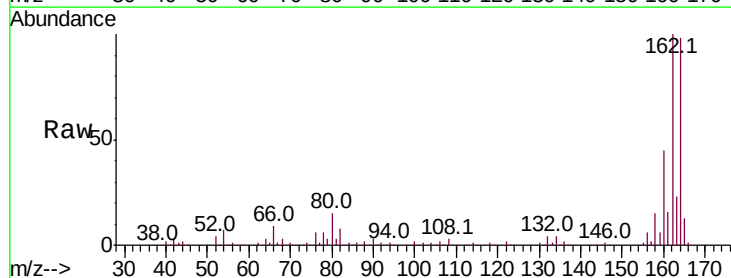
Instrument :
BNA_G
ClientSampleId :

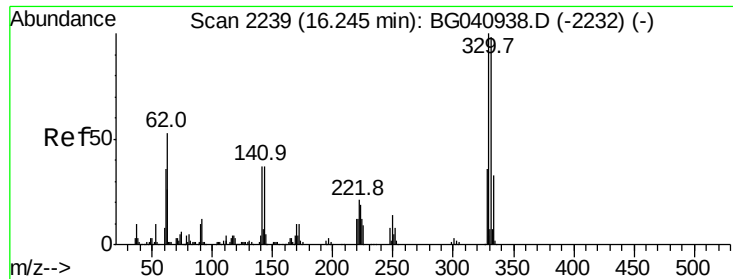
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG040960.D
Acq: 30 May 2019 21:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	83.0	124.4
160	45.8	35.6	53.4

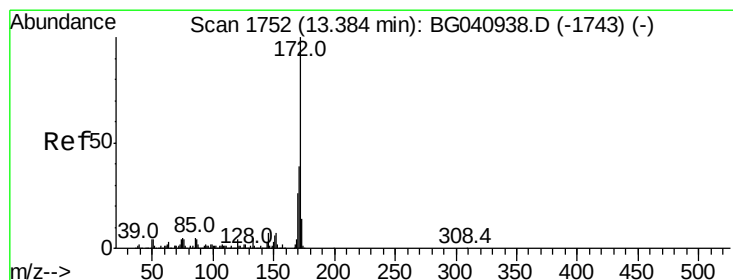
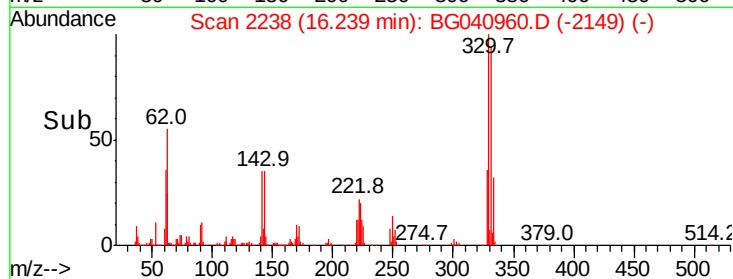
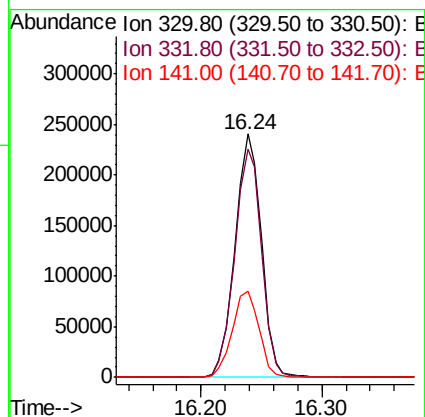
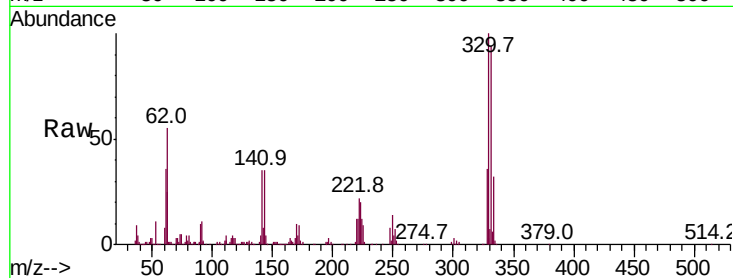




#42
 2,4,6-Tribromophenol
 Concen: 144.763 ng
 RT: 16.24 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG040960.D
 Acq: 30 May 2019 21:27

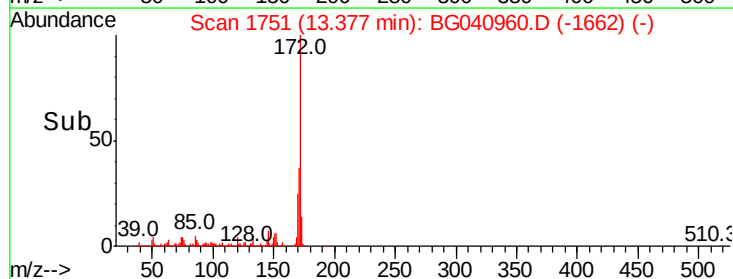
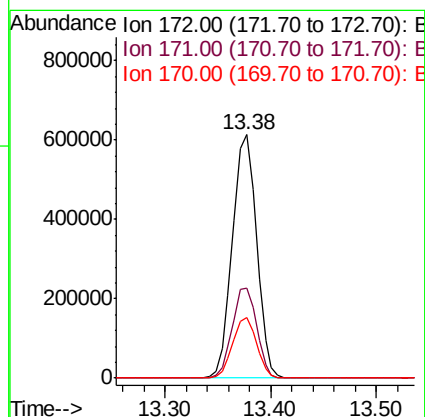
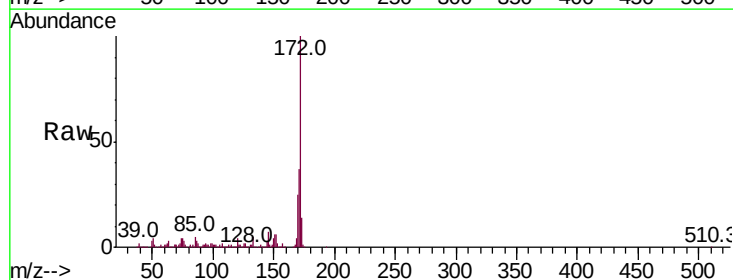
Instrument :
 BNA_G
 ClientSampleId :

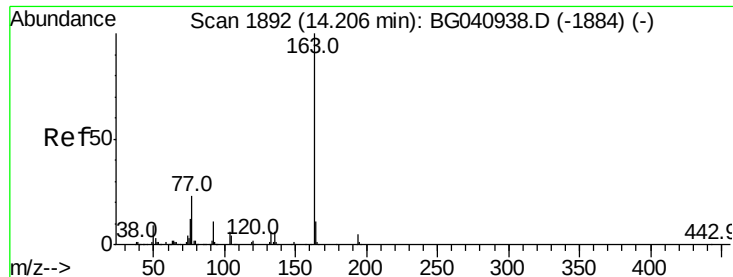
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.5	117.7
141	36.0	28.7	43.1



#45
 2-Fluorobiphenyl
 Concen: 82.215 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG040960.D
 Acq: 30 May 2019 21:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	31.1	46.7
170	24.7	20.5	30.7





#50

Dimethylphthalate

Concen: 11.625 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG040960.D

Acq: 30 May 2019 21:27

Instrument :

BNA_G

ClientSampleId :

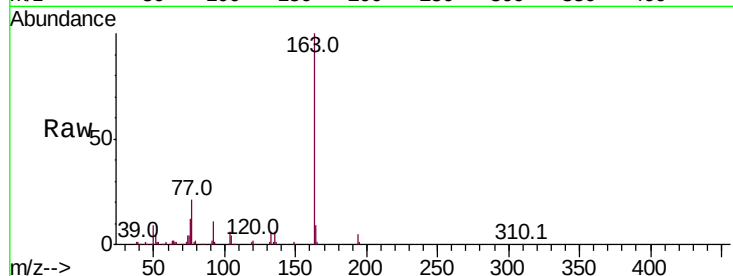
Tot Ion:163 Resp: 167962

Ion Ratio Lower Upper

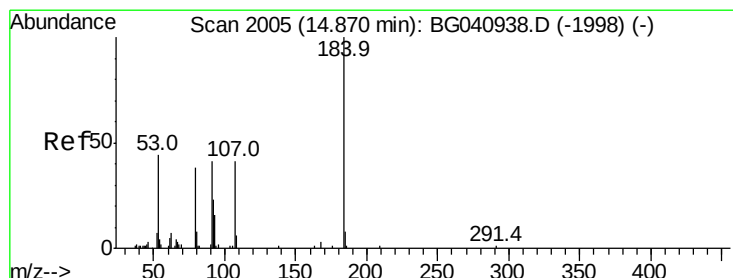
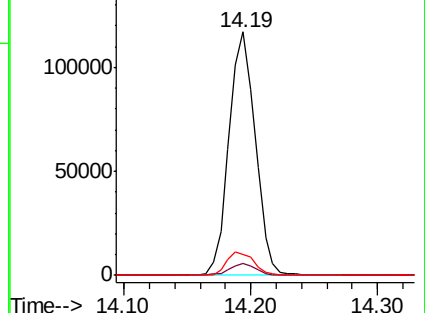
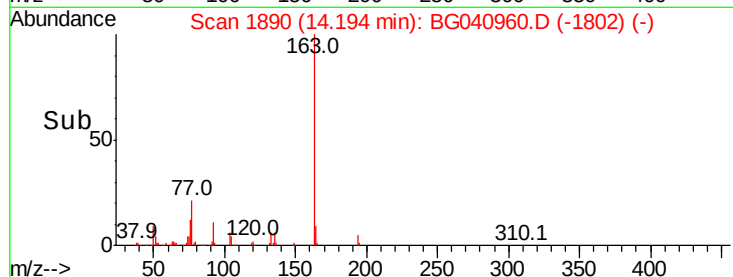
163 100

194 5.0 3.8 5.8

164 8.8 8.7 13.1



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



#54

2,4-Dinitrophenol

Concen: 8.313 ng

RT: 15.33 min Scan# 2083

Delta R.T. 0.46 min

Lab File: BG040960.D

Acq: 30 May 2019 21:27

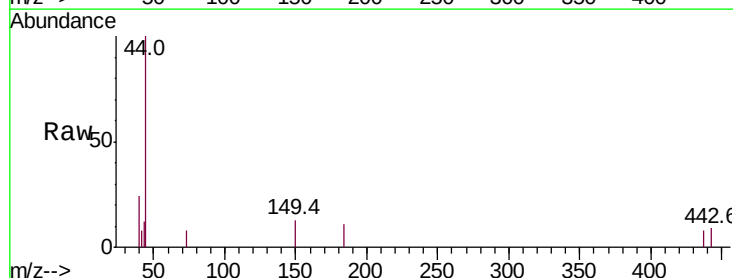
Tgt Ion:184 Resp: 81

Ion Ratio Lower Upper

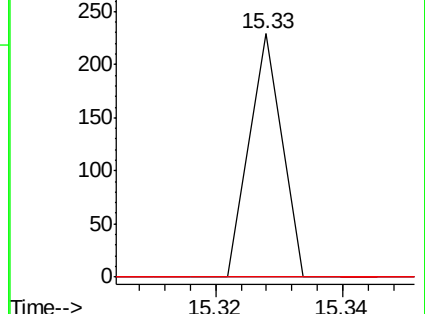
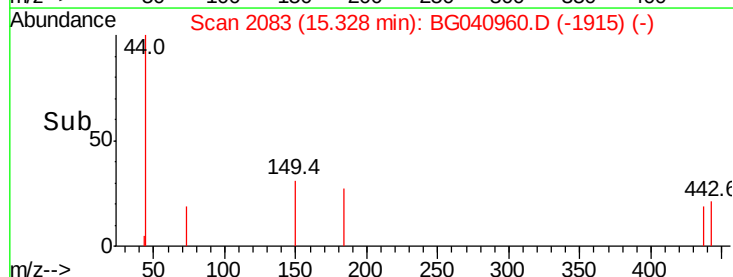
184 100

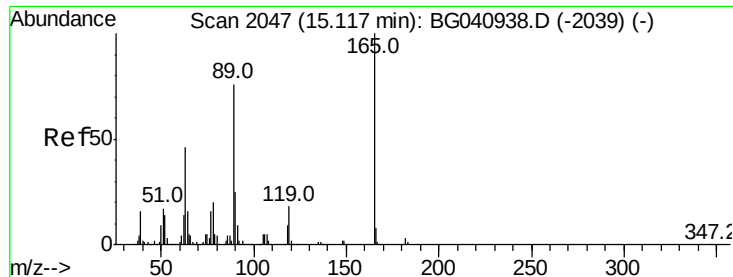
63 0.0 49.8 74.6#

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): BG
Ion 154.00 (153.70 to 154.70): E

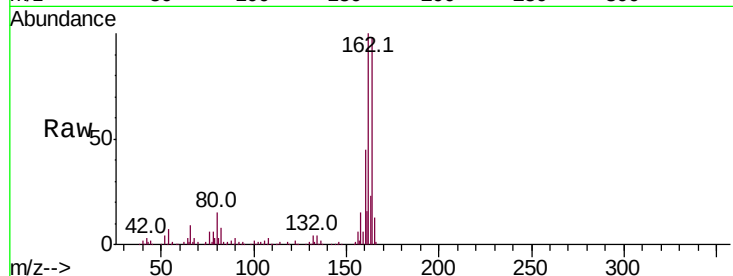




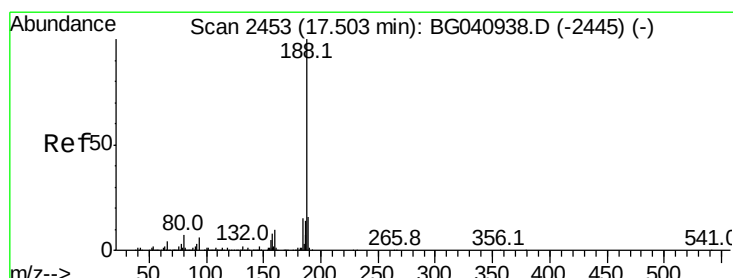
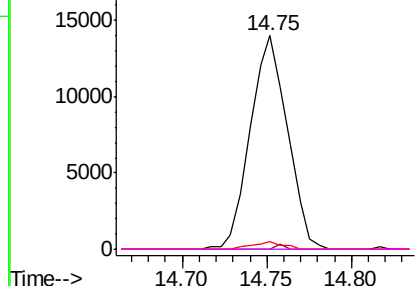
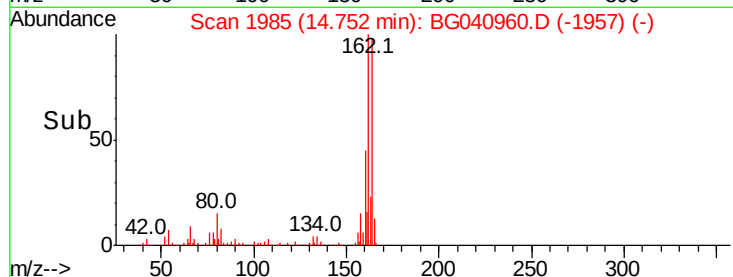
#57
2,4-Dinitrotoluene
Concen: 4.856 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.37 min
Lab File: BG040960.D
Acq: 30 May 2019 21:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 21367
Ion Ratio Lower Upper
165 100
63 0.0 37.3 55.9#
89 3.6 61.0 91.6#
182 0.0 2.2 3.2#

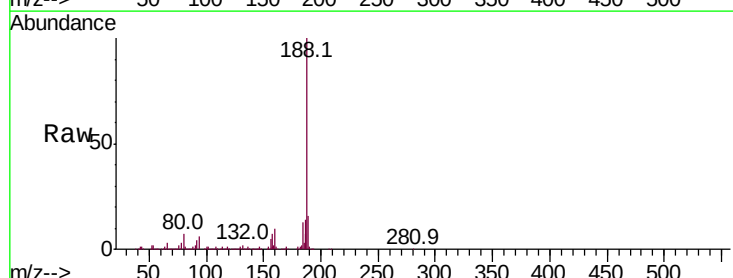


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

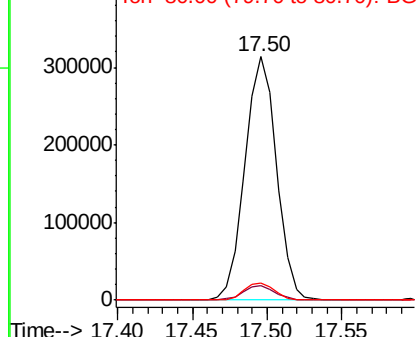
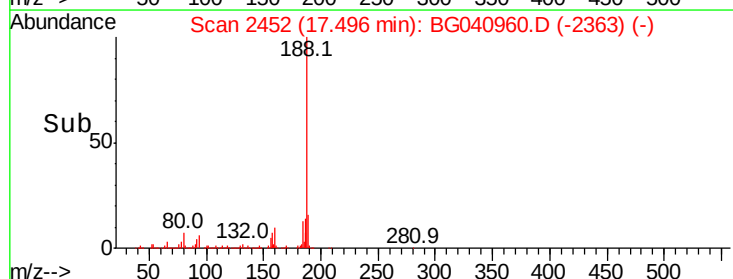


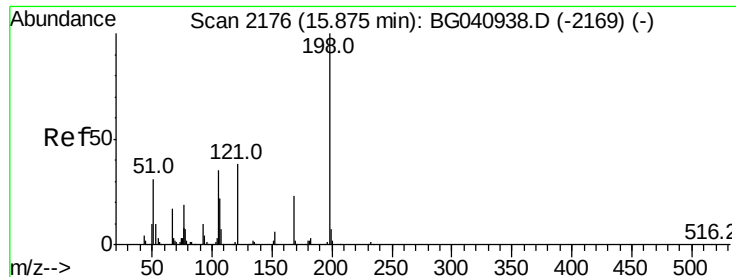
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG040960.D
Acq: 30 May 2019 21:27

Tgt Ion:188 Resp: 457834
Ion Ratio Lower Upper
188 100
94 5.8 4.7 7.1
80 7.0 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: 8.962 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.36 min

Lab File: BG040960.D

Acq: 30 May 2019 21:27

Instrument :

BNA_G

ClientSampled :

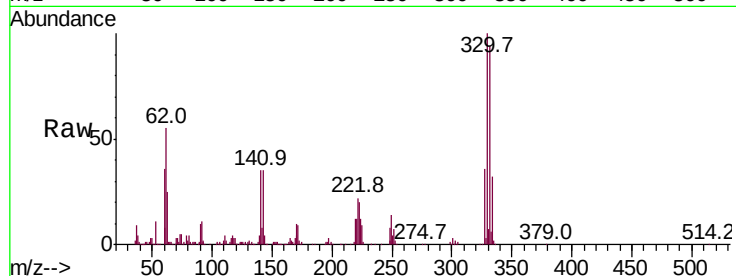
Tot Ion:198 Resp: 1113

Ion Ratio Lower Upper

198 100

51 126.1 21.6 61.6#

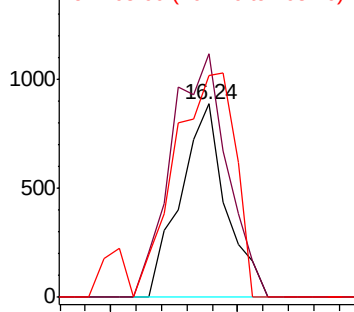
105 114.7 17.5 57.5#



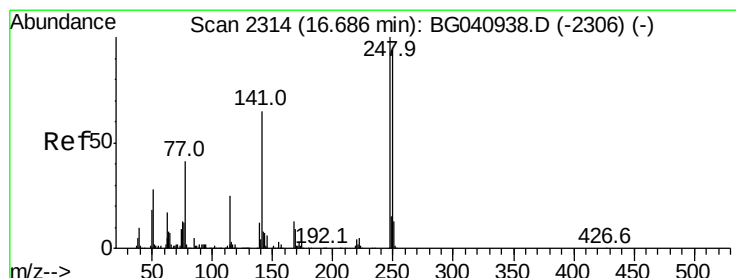
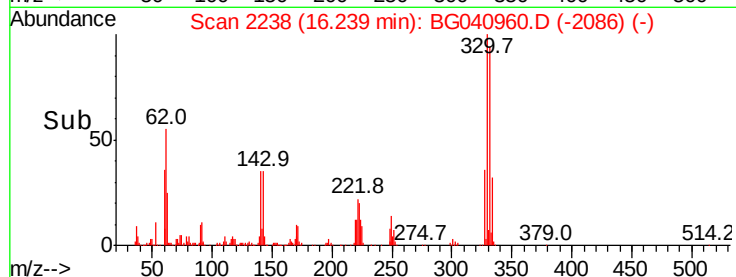
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.574 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG040960.D

Acq: 30 May 2019 21:27

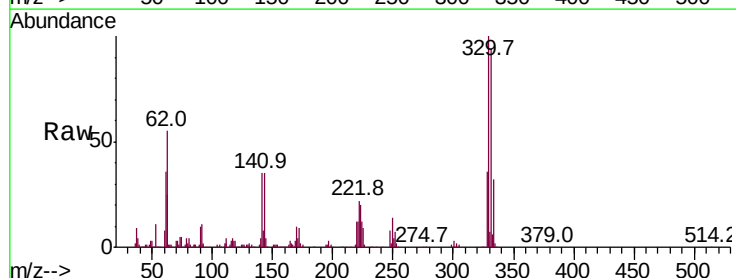
Tgt Ion:248 Resp: 28262

Ion Ratio Lower Upper

248 100

250 184.2 75.0 112.4#

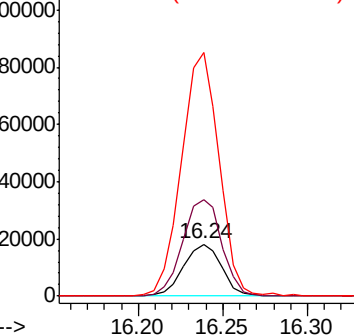
141 467.8 52.4 78.6#



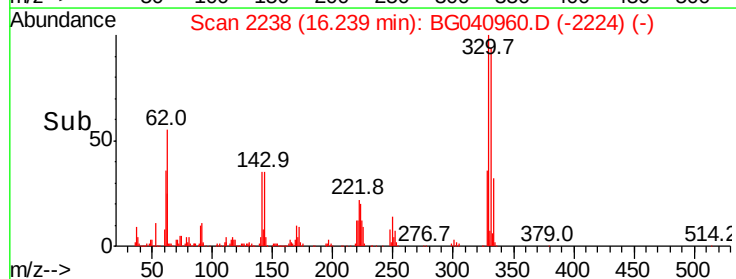
Abundance Ion 248.00 (247.70 to 248.70): E

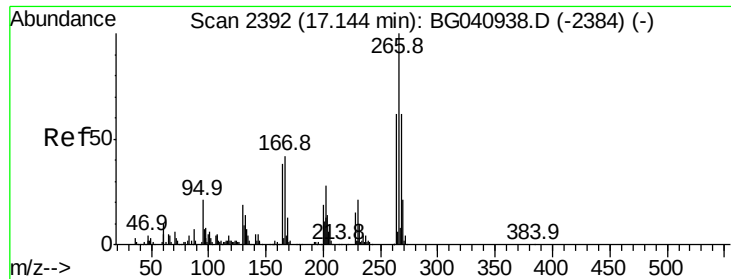
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->

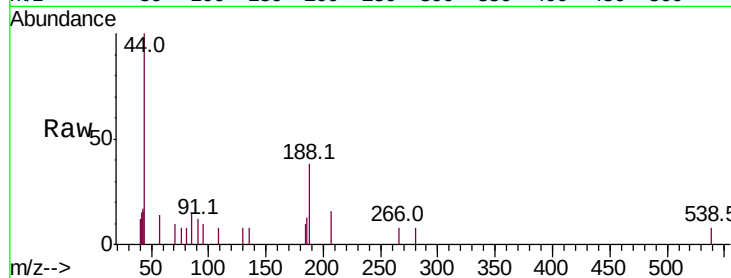




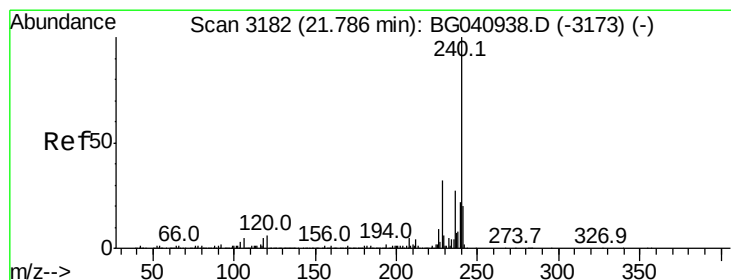
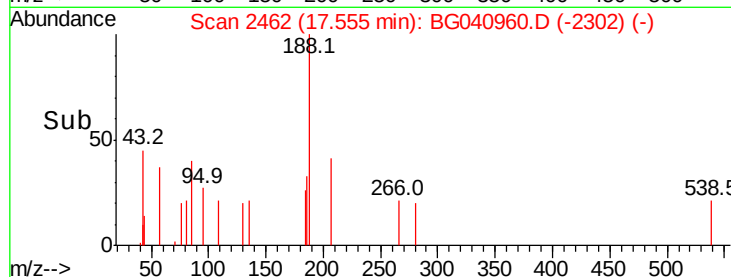
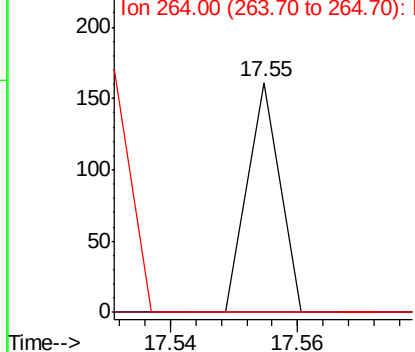
#70
 Pentachlorophenol
 Concen: 4.271 ng
 RT: 17.55 min Scan# 2462
 Delta R.T. 0.41 min
 Lab File: BG040960.D
 Acq: 30 May 2019 21:27

Instrument :
 BNA_G
 ClientSampled :

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

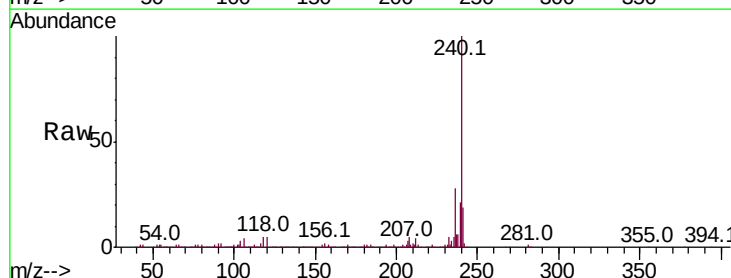


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

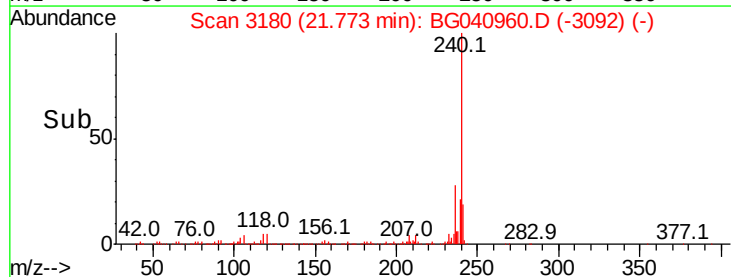
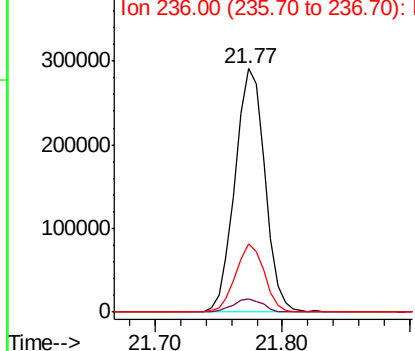


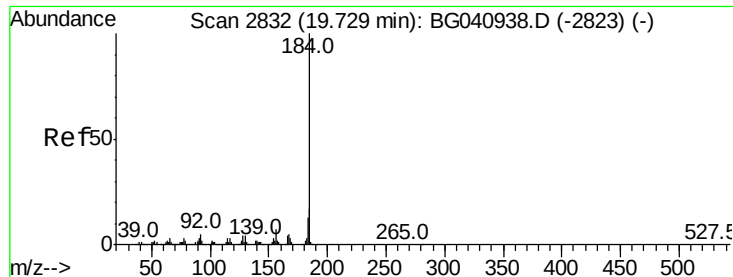
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3180
 Delta R.T. -0.01 min
 Lab File: BG040960.D
 Acq: 30 May 2019 21:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.5	6.7
236	28.1	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: 2.539 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG040960.D

Acq: 30 May 2019 21:27

Instrument :

BNA_G

ClientSampleId :

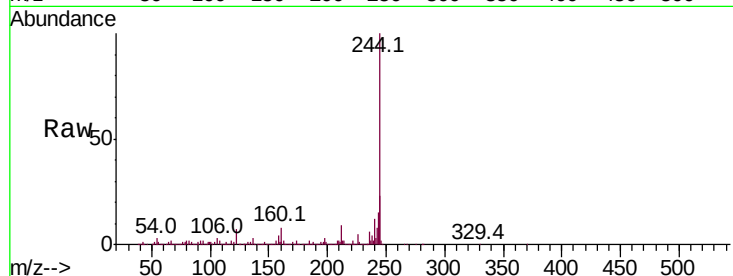
Tot Ion:184 Resp: 28776

Ion Ratio Lower Upper

184 100

185 18.5 13.3 19.9

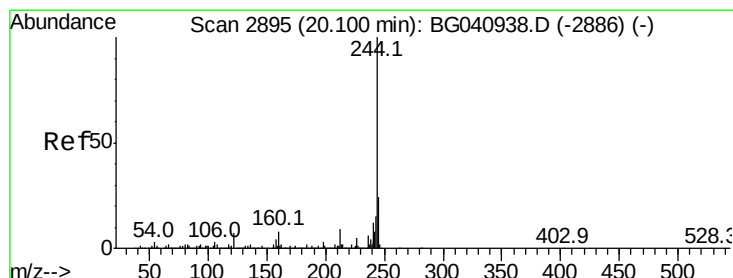
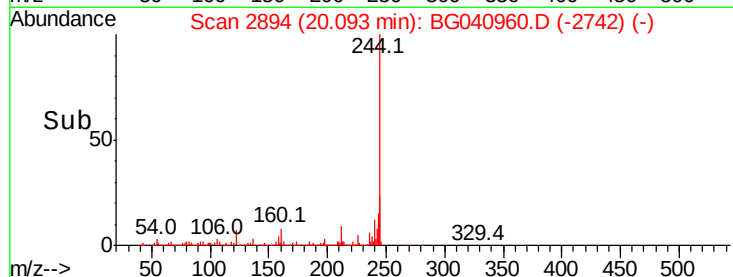
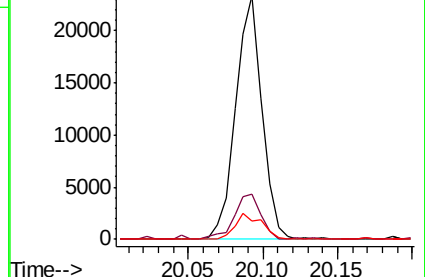
183 7.4 10.7 16.1#



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: 73.884 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040960.D

Acq: 30 May 2019 21:27

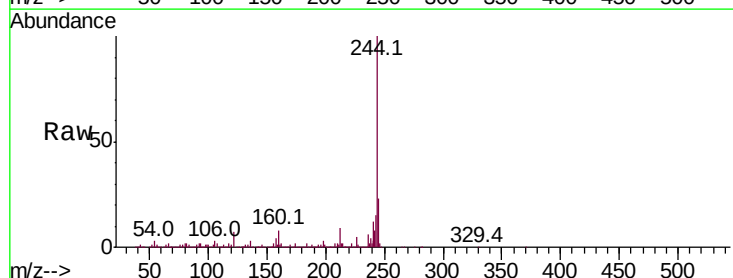
Tgt Ion:244 Resp: 1654229

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.4

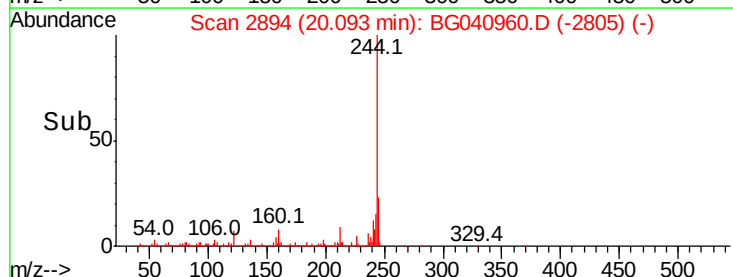
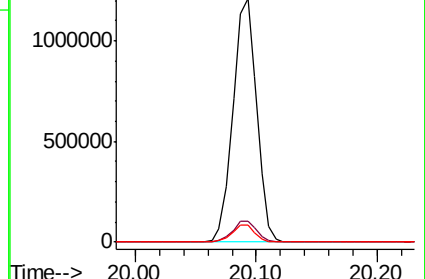
122 7.1 5.4 8.0

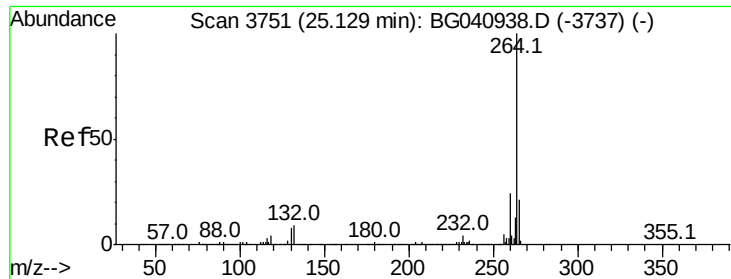


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.11 min Scan# 3748
Delta R.T. -0.02 min
Lab File: BG040960.D
Acq: 30 May 2019 21:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	22.8	17.0	25.4

