

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
 Data File : BG040961.D
 Acq On : 30 May 2019 22:05
 Operator : HP/JU
 Sample : K3084-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 31 04:04:22 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

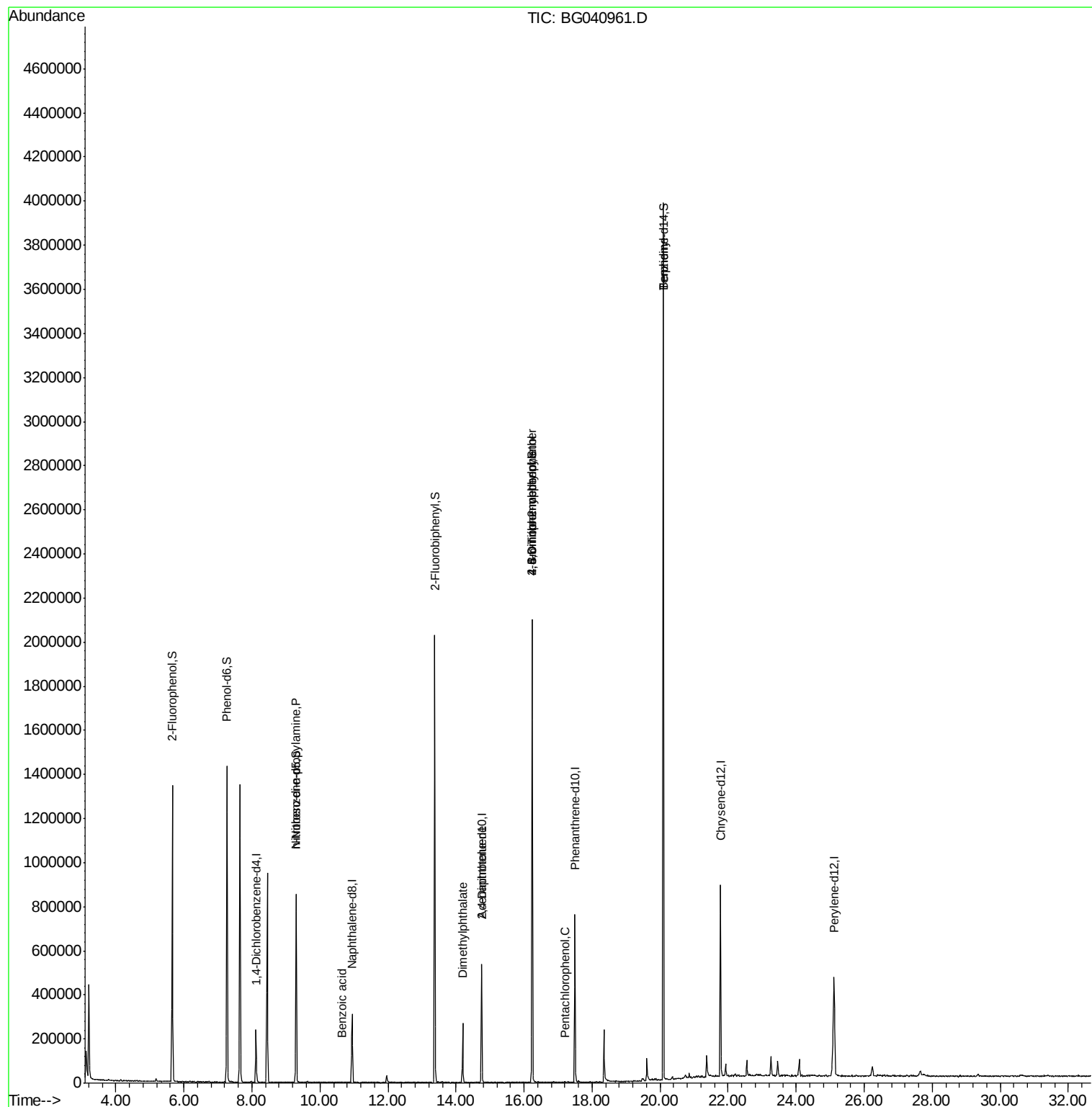
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	63560	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	247065	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	181487	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	482060	20.00	ng	0.00
76) Chrysene-d12	21.77	240	510285	20.00	ng	-0.01
87) Perylene-d12	25.11	264	534324	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	505254	143.34	ng	0.00
7) Phenol-d6	7.27	99	730760	134.24	ng	0.00
23) Nitrobenzene-d5	9.30	82	507876	91.26	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	397467	147.52	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1014472	80.50	ng	0.00
79) Terphenyl-d14	20.09	244	1809356	75.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.30	70	72913	17.405	ng	# 74
32) Benzoic acid	10.64	122	62	8.147	ng	# 1
50) Dimethylphthalate	14.19	163	175489	11.423	ng	97
57) 2,4-Dinitrotoluene	14.75	165	23216	4.962	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.23	198	1029	8.917	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	30220	4.645	ng	# 1
70) Pentachlorophenol	17.18	266	75	4.275	ng	# 18
77) Benzidine	20.09	184	33431	2.746	ng	# 91

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

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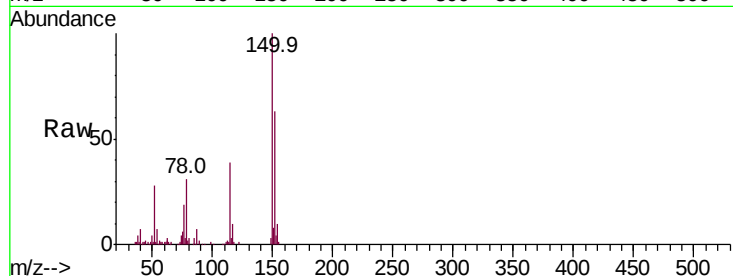


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040961.D
Acq: 30 May 2019 22:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	120.6	180.8
115	62.4	45.1	67.7

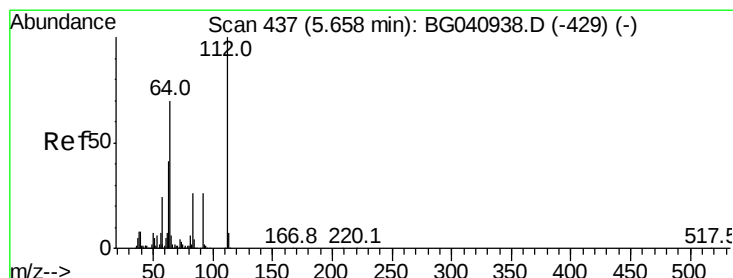
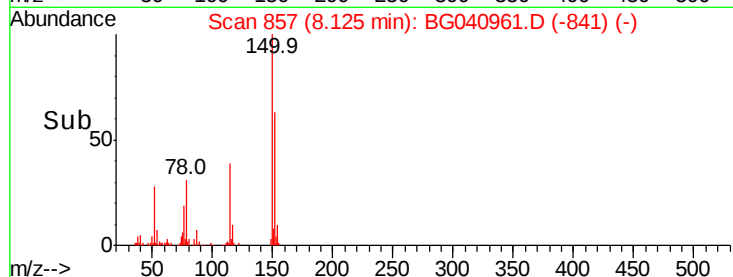
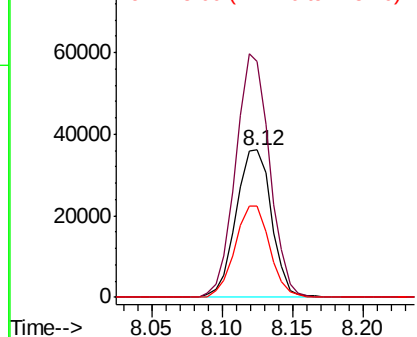


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

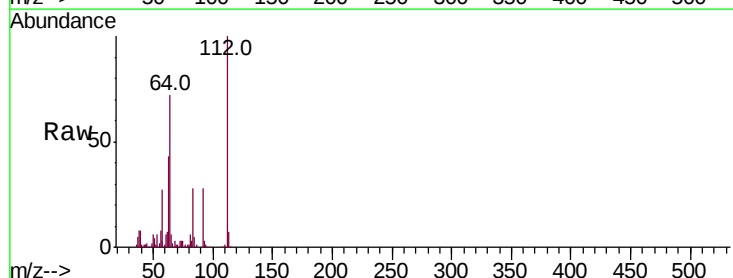
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 143.342 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG040961.D
Acq: 30 May 2019 22:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.0	56.2	84.2
63	42.8	32.8	49.2

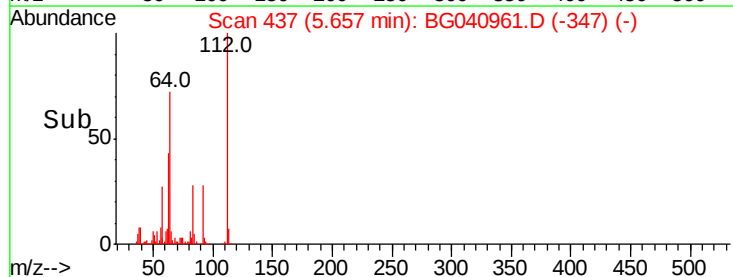
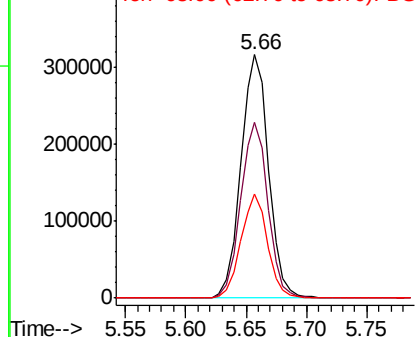


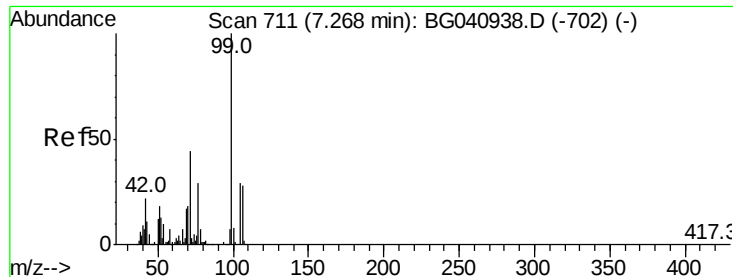
Abundance

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: 134.239 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

Instrument :

BNA_G

ClientSampled :

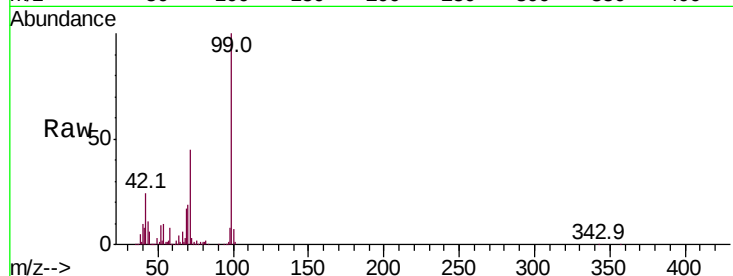
Tot Ion: 99 Resp: 730760

Ion Ratio Lower Upper

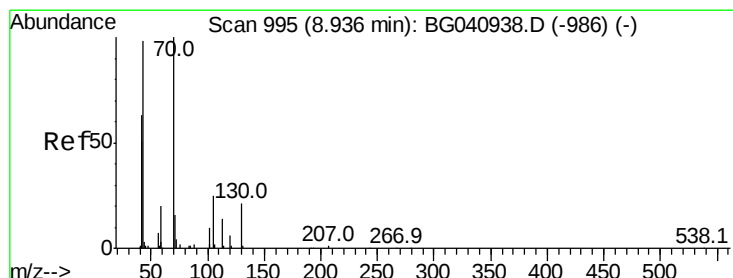
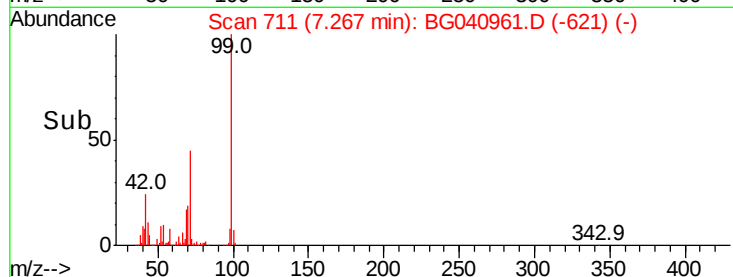
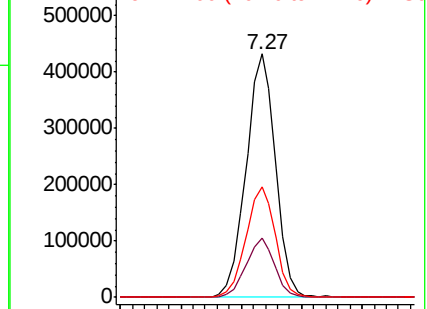
99 100

42 24.2 17.9 26.9

71 45.3 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: 17.405 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

Tgt Ion: 70 Resp: 72913

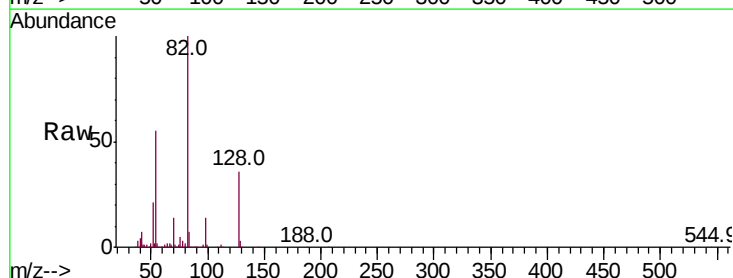
Ion Ratio Lower Upper

70 100

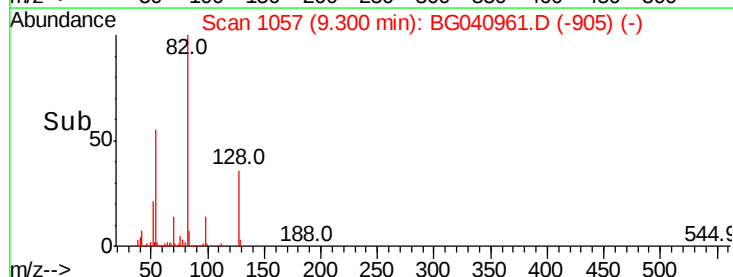
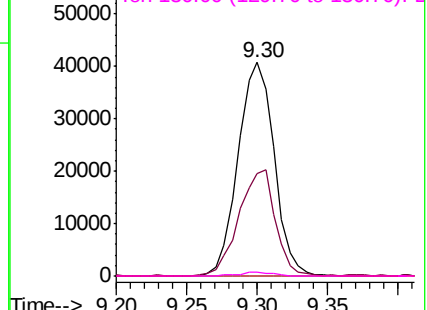
42 47.9 51.5 77.3#

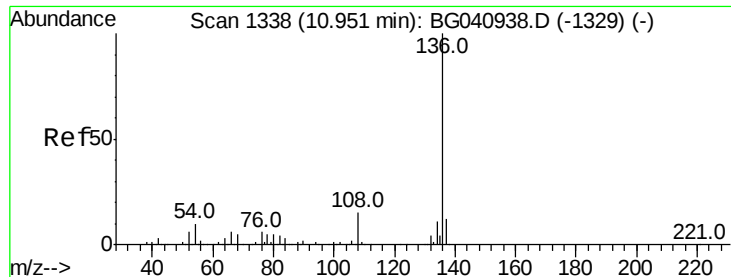
101 0.0 8.1 12.1#

130 1.9 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

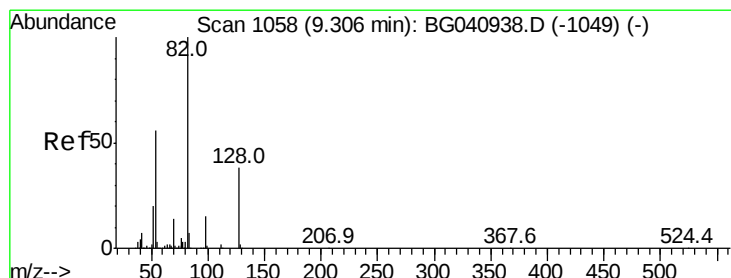
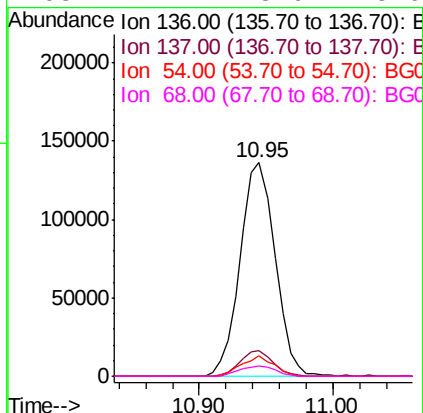
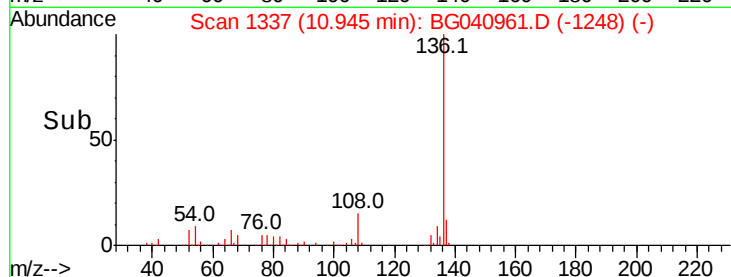
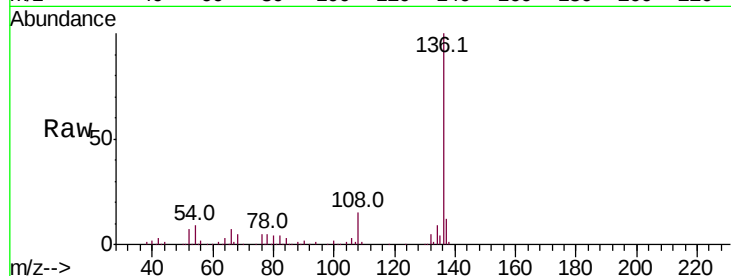




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040961.D
Acq: 30 May 2019 22:05

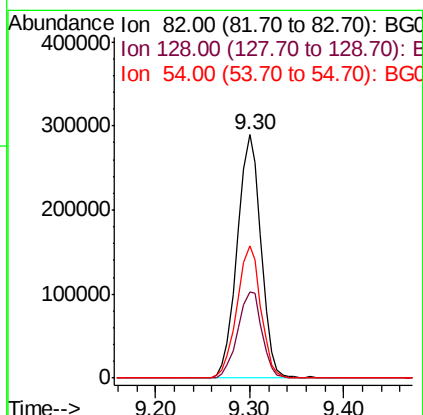
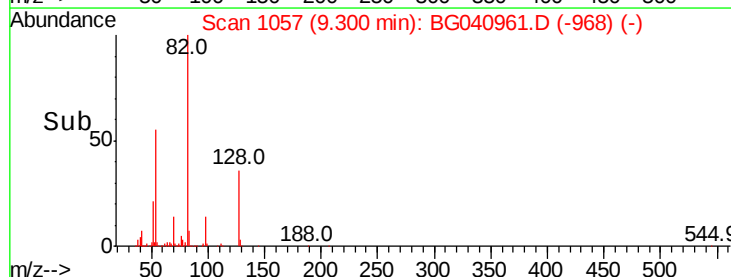
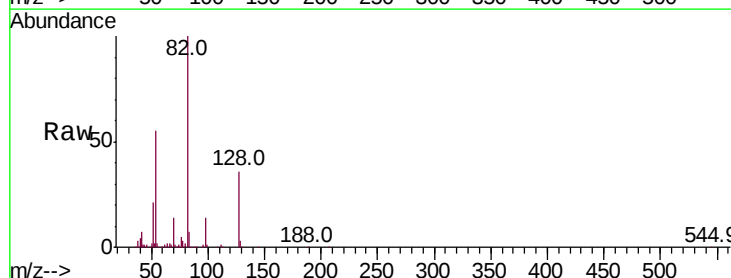
Instrument :
BNA_G
ClientSampleId :

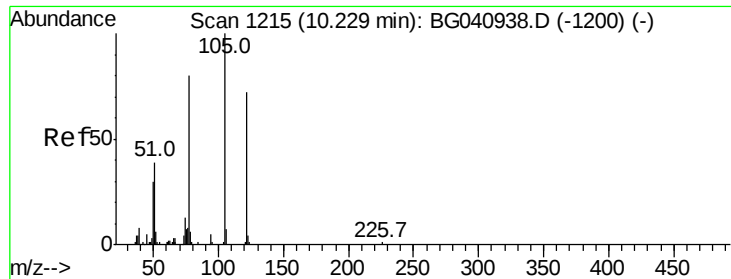
Tot Ion:136	Resp:	247065
Ion Ratio	Lower	Upper
136	100	
137	12.1	9.5 14.3
54	9.5	7.6 11.4
68	4.7	3.9 5.9



#23
Nitrobenzene-d5
Concen: 91.257 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG040961.D
Acq: 30 May 2019 22:05

Tgt Ion: 82	Resp:	507876
Ion Ratio	Lower	Upper
82	100	
128	35.7	30.5 45.7
54	54.5	44.6 66.8

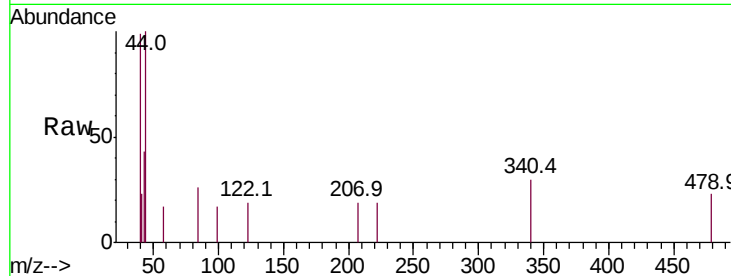




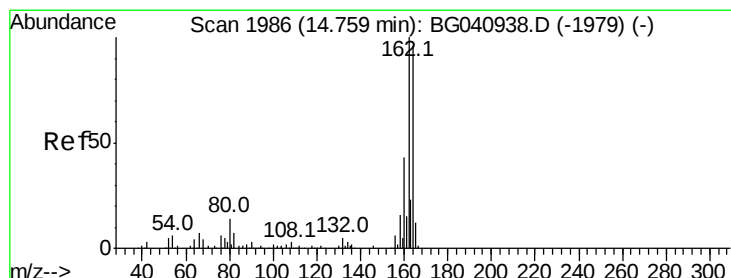
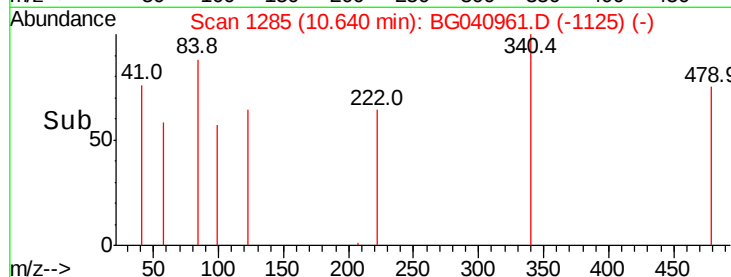
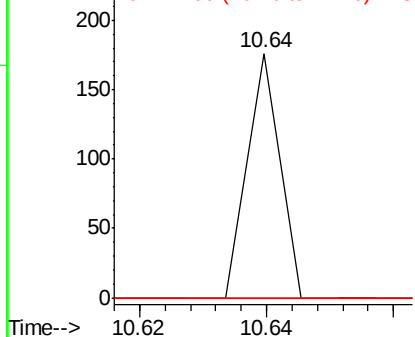
#32
Benzoic acid
Concen: 8.147 ng
RT: 10.64 min Scan# 1285
Delta R.T. 0.41 min
Lab File: BG040961.D
Acq: 30 May 2019 22:05

Instrument :
BNA_G
ClientSampled :

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

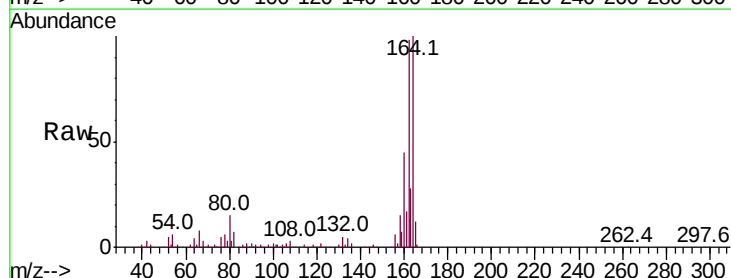


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

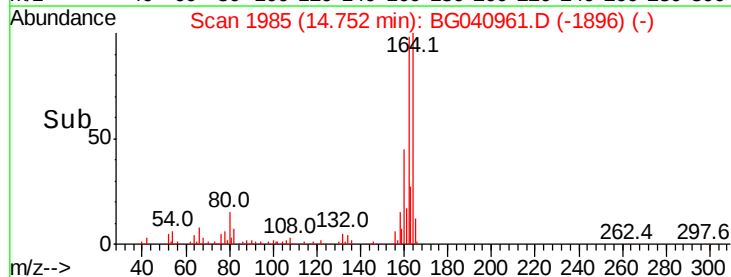
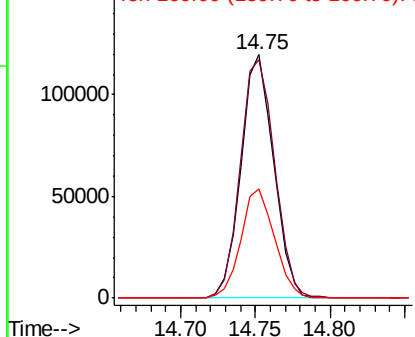


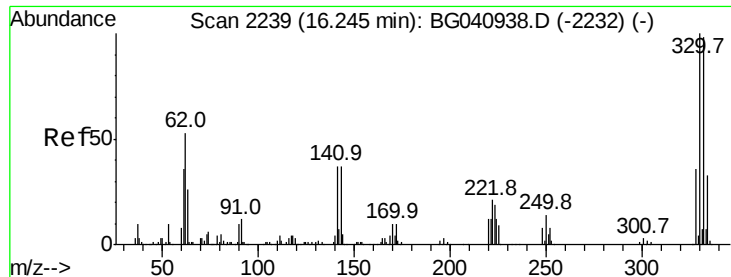
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG040961.D
Acq: 30 May 2019 22:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.7	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: 147.521 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

Instrument :

BNA_G

ClientSampleId :

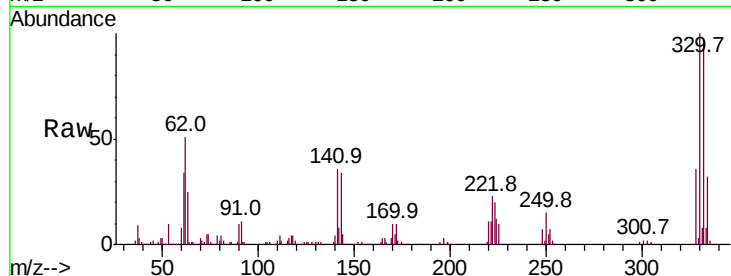
Tot Ion:330 Resp: 397467

Ion Ratio Lower Upper

330 100

332 95.7 78.5 117.7

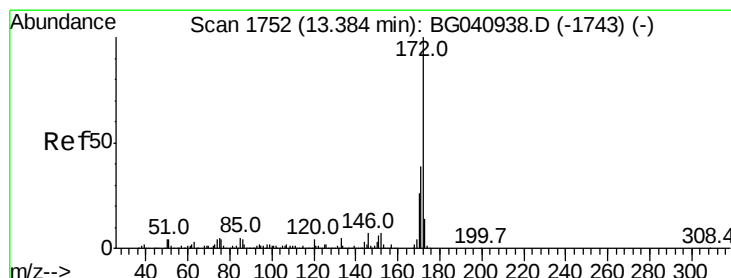
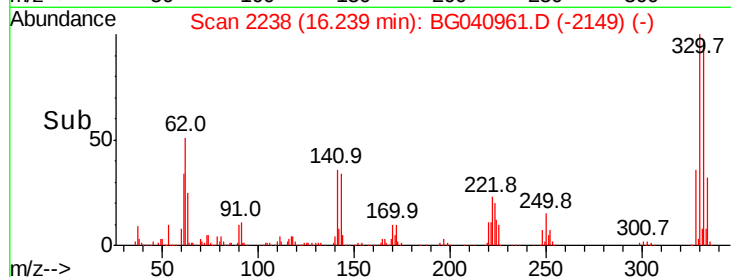
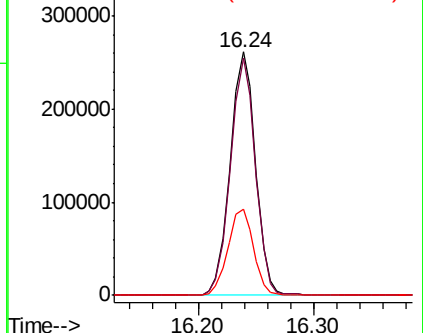
141 36.0 28.7 43.1



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: 80.499 ng

RT: 13.38 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

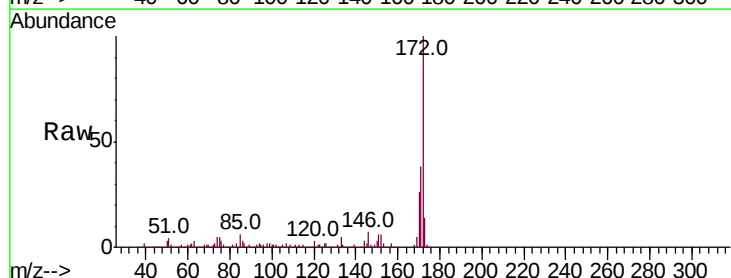
Tgt Ion:172 Resp: 1014472

Ion Ratio Lower Upper

172 100

171 38.3 31.1 46.7

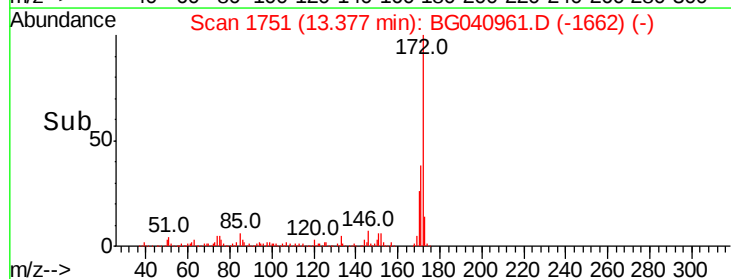
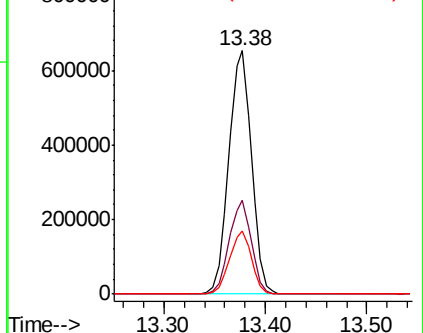
170 25.7 20.5 30.7

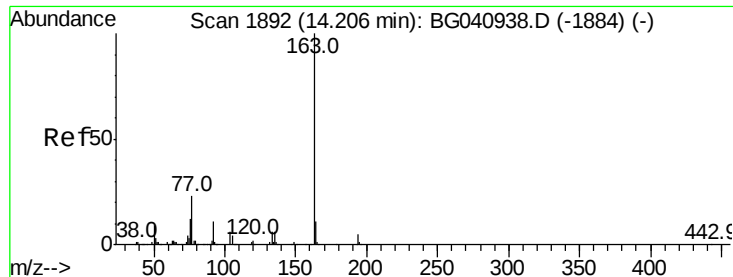


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 11.423 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

Instrument :

BNA_G

ClientSampleId :

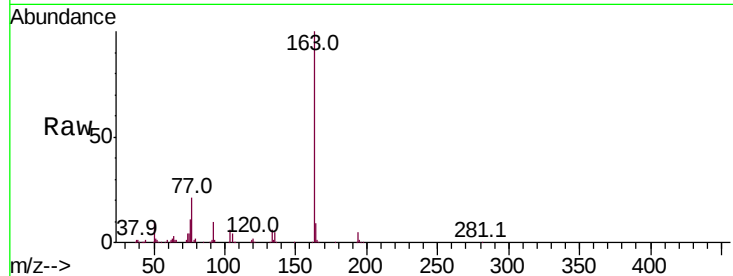
Tot Ion:163 Resp: 175489

Ion Ratio Lower Upper

163 100

194 4.7 3.8 5.8

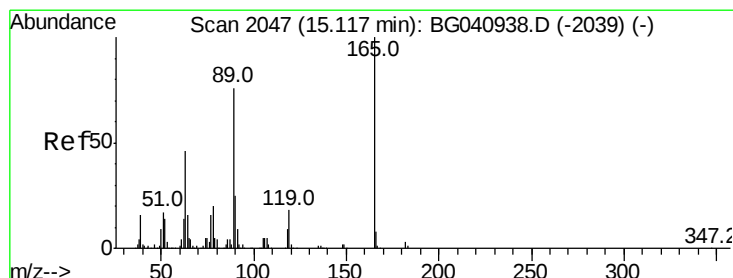
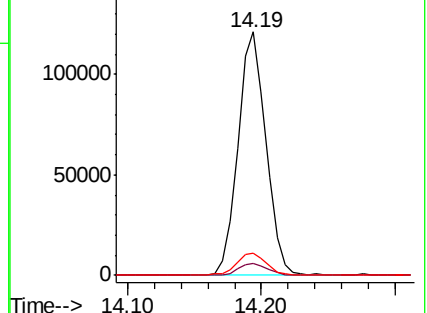
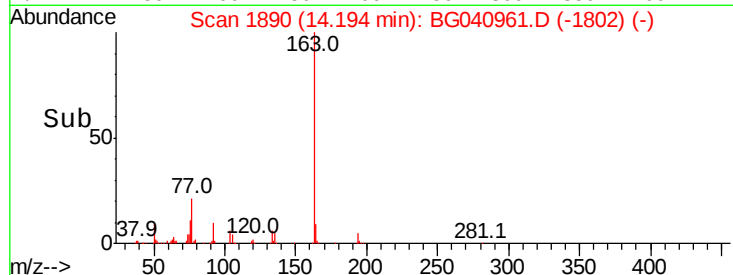
164 9.2 8.7 13.1



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



#57

2,4-Dinitrotoluene

Concen: 4.962 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.37 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

Tgt Ion:165 Resp: 23216

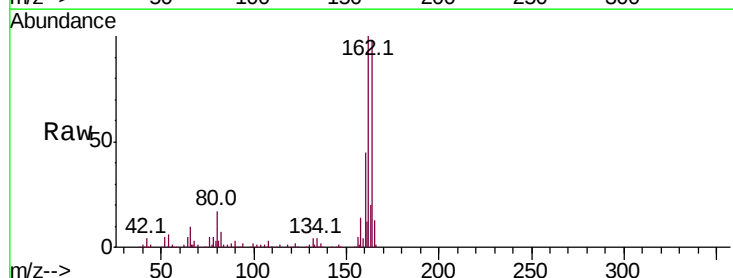
Ion Ratio Lower Upper

165 100

63 1.3 37.3 55.9#

89 1.1 61.0 91.6#

182 0.0 2.2 3.2#

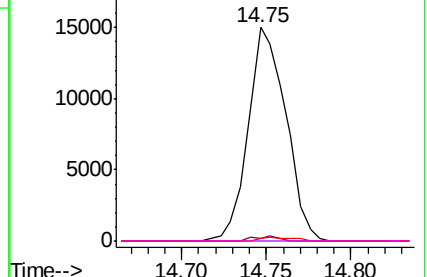
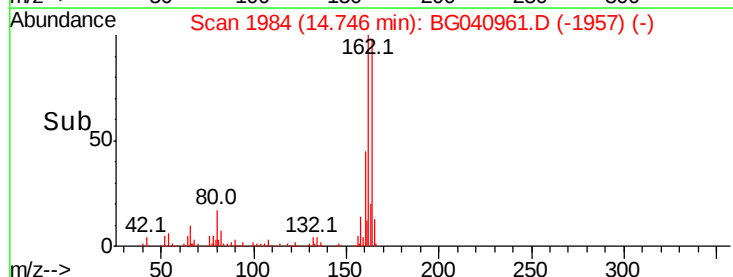


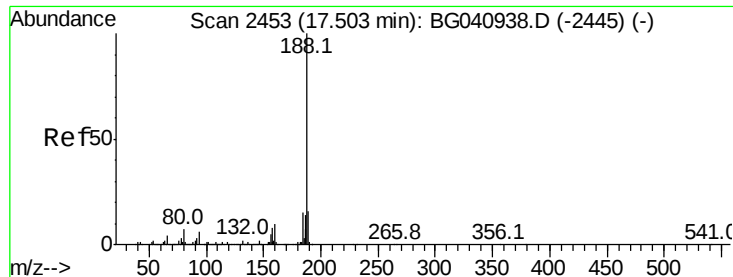
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.50 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

Instrument :

BNA_G

ClientSampleId :

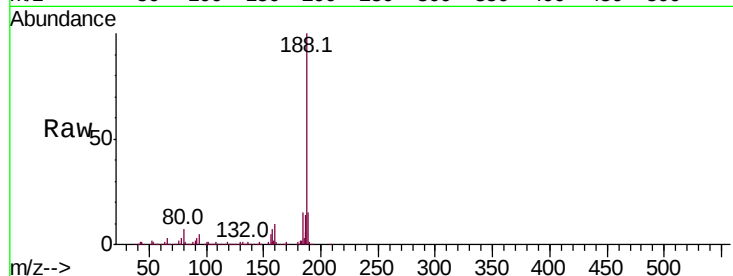
Tot Ion:188 Resp: 482060

Ion Ratio Lower Upper

188 100

94 4.6 4.7 7.1#

80 7.5 5.8 8.8

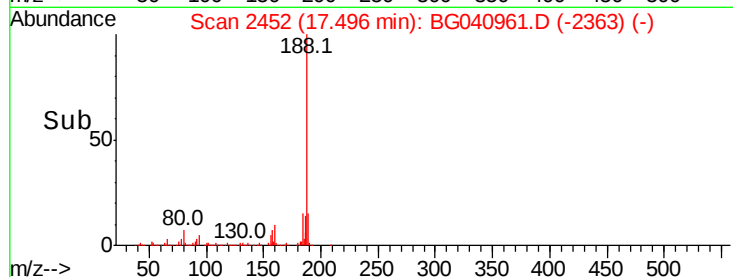


Abundance Ion 188.00 (187.70 to 188.70): E

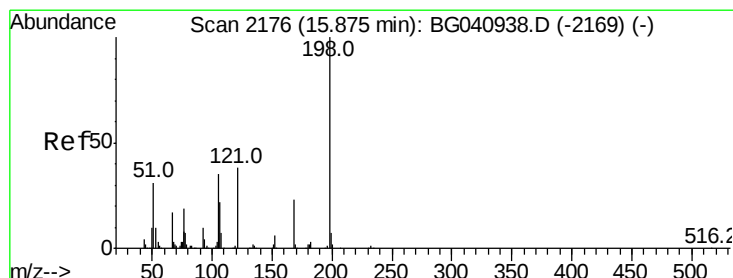
Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

17.50



Time--> 17.40 17.50 17.60



#65

4,6-Dinitro-2-methylphenol

Concen: 8.917 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.36 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

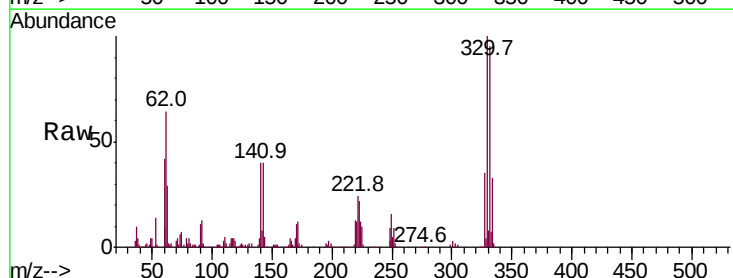
Tgt Ion:198 Resp: 1029

Ion Ratio Lower Upper

198 100

51 108.3 21.6 61.6#

105 170.5 17.5 57.5#

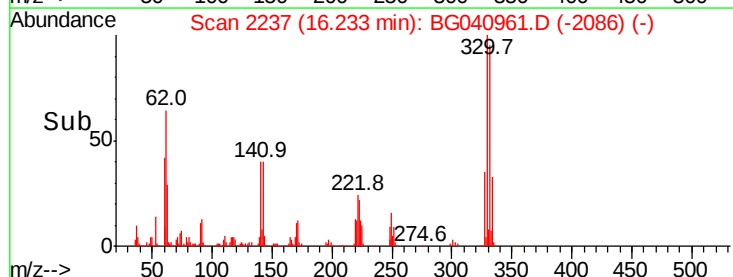


Abundance Ion 198.00 (197.70 to 198.70): E

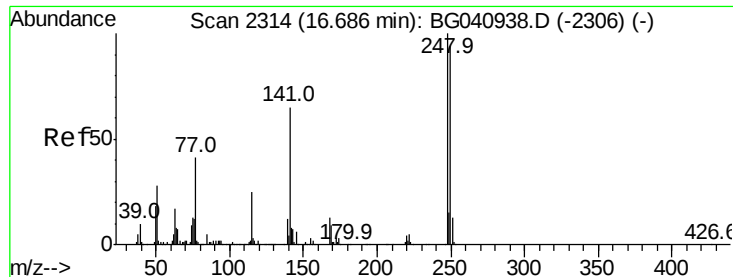
Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

16.23



Time--> 16.20 16.25



#67

4-Bromophenyl-phenylether

Concen: 4.645 ng

RT: 16.24 min Scan# 2238

Delta R.T. -0.45 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

Instrument :

BNA_G

ClientSampleId :

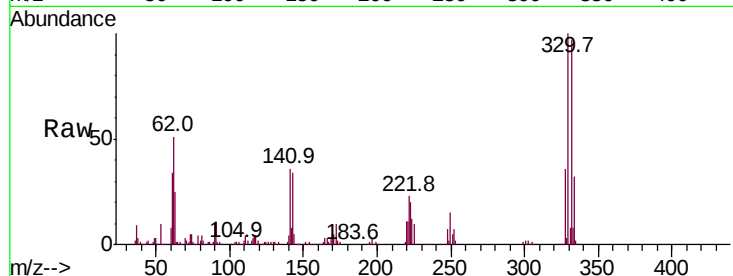
Tot Ion:248 Resp: 30220

Ion Ratio Lower Upper

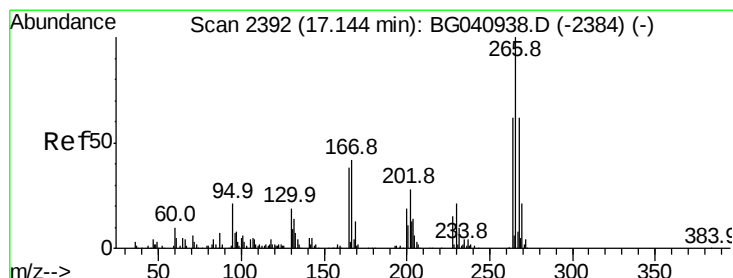
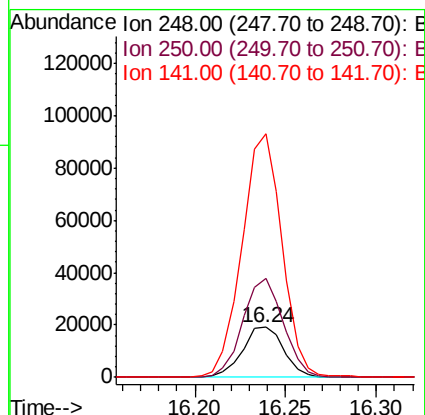
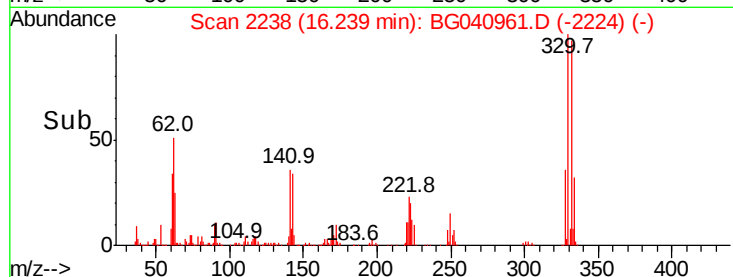
248 100

250 199.5 75.0 112.4#

141 488.4 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: 4.275 ng

RT: 17.18 min Scan# 2399

Delta R.T. 0.04 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

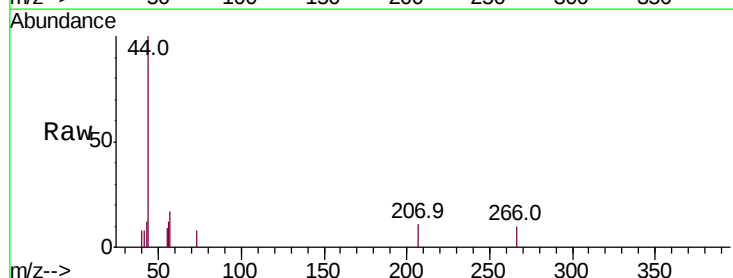
Tgt Ion:266 Resp: 75

Ion Ratio Lower Upper

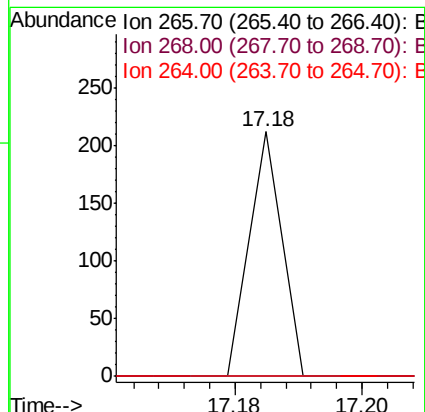
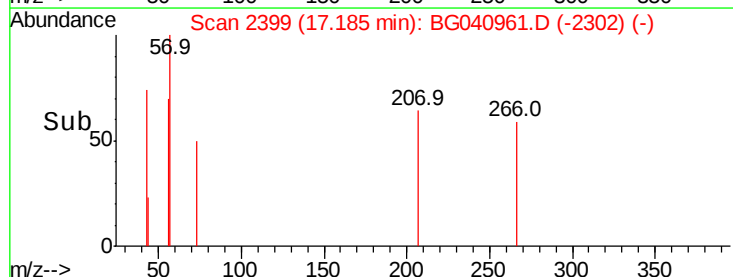
266 100

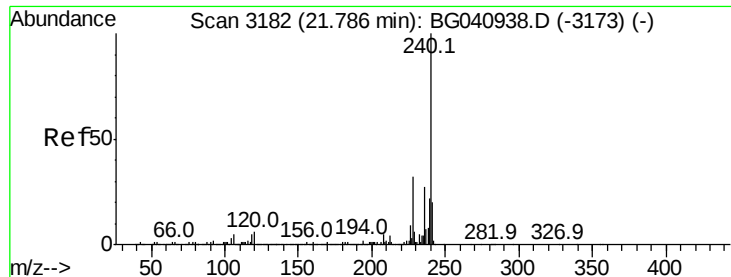
268 0.0 53.1 79.7#

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: BG040961.D

Acq: 30 May 2019 22:05

Instrument :

BNA_G

ClientSampleId :

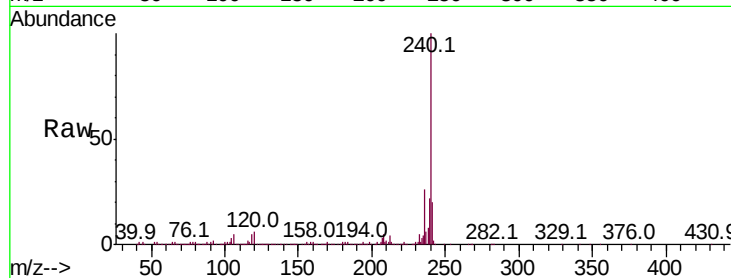
Tot Ion:240 Resp: 510285

Ion Ratio Lower Upper

240 100

120 6.1 4.5 6.7

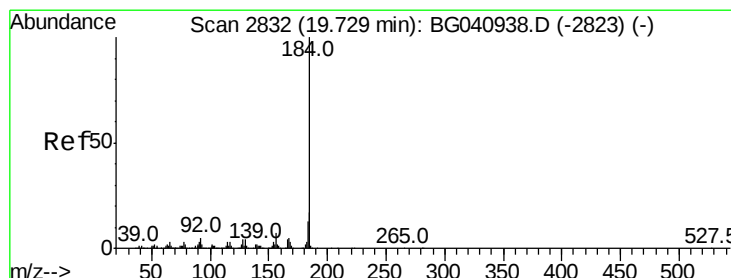
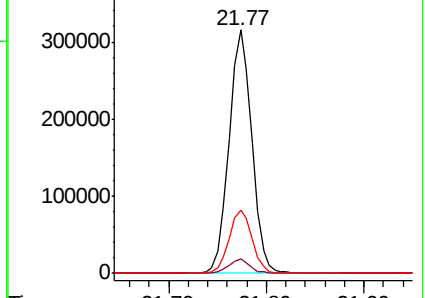
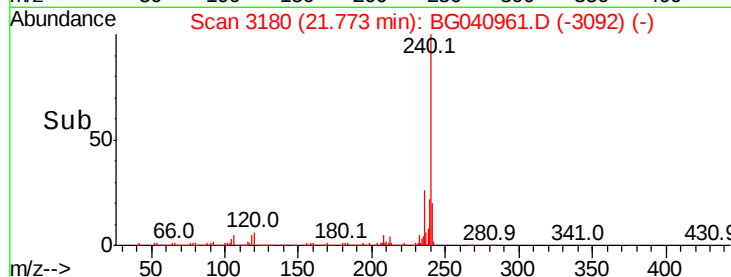
236 25.7 21.3 31.9



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: 2.746 ng

RT: 20.09 min Scan# 2894

Delta R.T. 0.36 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

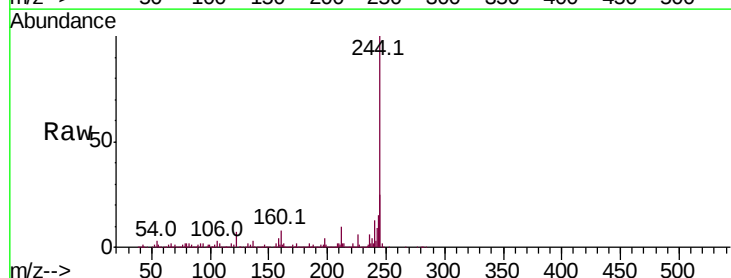
Tgt Ion:184 Resp: 33431

Ion Ratio Lower Upper

184 100

185 15.3 13.3 19.9

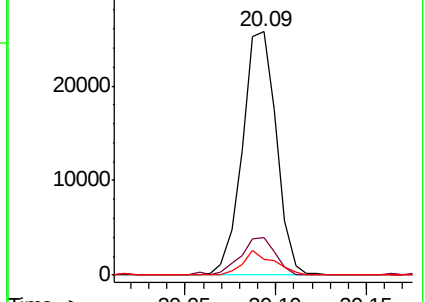
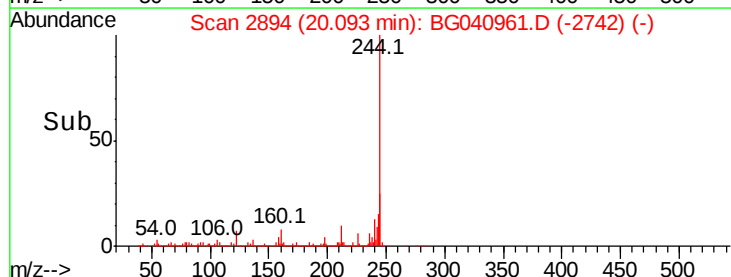
183 6.7 10.7 16.1#

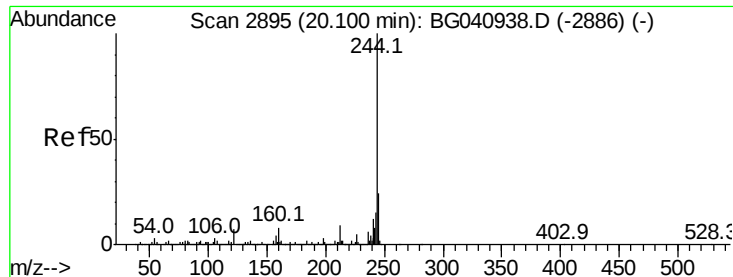


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 75.254 ng

RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

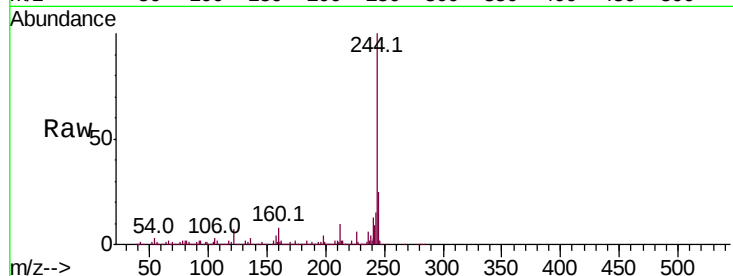
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1809356

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.0	10.4
122	7.2	5.4	8.0

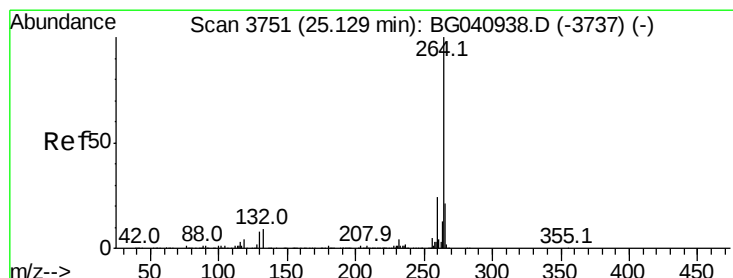
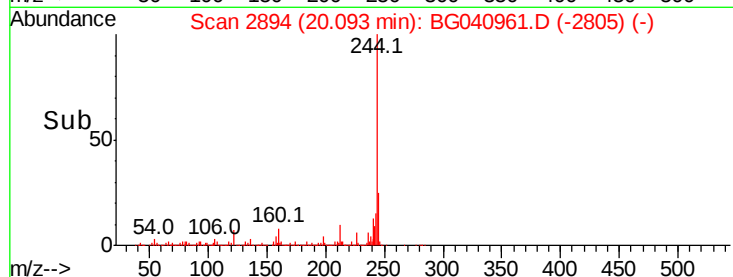
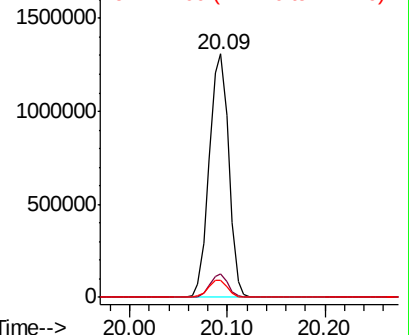


Abundance

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: 25.11 min Scan# 3748

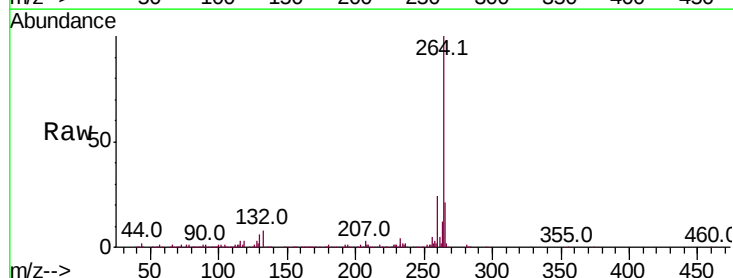
Delta R.T. -0.02 min

Lab File: BG040961.D

Acq: 30 May 2019 22:05

Tgt Ion:264 Resp: 534324

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	21.2	17.0	25.4



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

