

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051319\
 Data File : BG040912.D
 Acq On : 13 May 2019 15:39
 Operator : HP/JU
 Sample : k2823-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 12-B

Quant Time: May 14 01:46:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

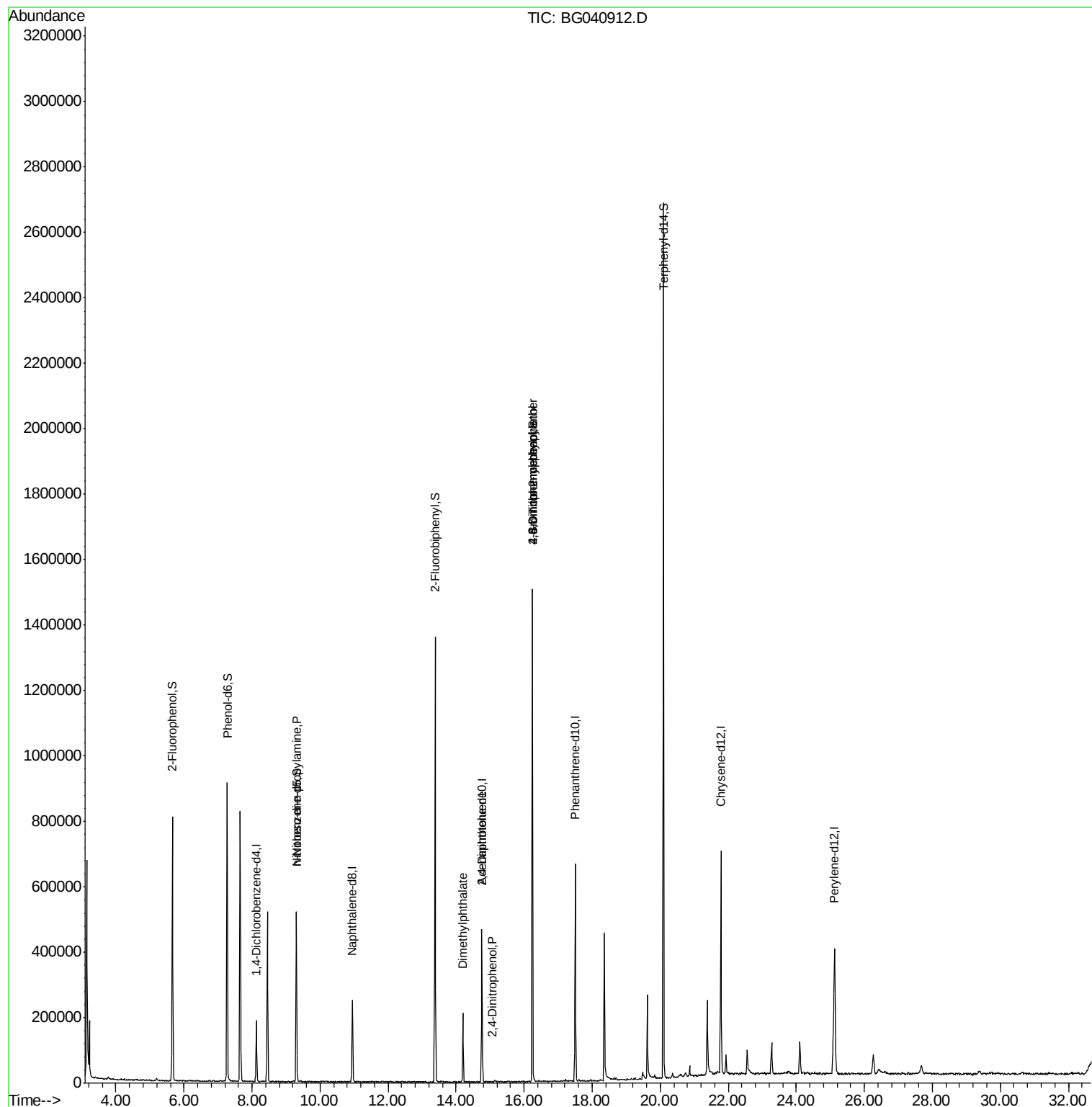
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	48424	20.00	ng	-0.03
21) Naphthalene-d8	10.95	136	202764	20.00	ng	-0.04
39) Acenaphthene-d10	14.76	164	158553	20.00	ng	-0.04
64) Phenanthrene-d10	17.50	188	411534	20.00	ng	-0.04
76) Chrysene-d12	21.78	240	414135	20.00	ng	-0.04
87) Perylene-d12	25.13	264	447688	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	309282	112.59	ng	-0.02
7) Phenol-d6	7.27	99	479680	113.41	ng	-0.02
23) Nitrobenzene-d5	9.30	82	310447	70.75	ng	-0.04
42) 2,4,6-Tribromophenol	16.24	330	275525	126.43	ng	-0.03
45) 2-Fluorobiphenyl	13.38	172	687035	62.58	ng	-0.04
79) Terphenyl-d14	20.10	244	1275526	68.23	ng	-0.04
Target Compounds						
9) Benzaldehyde	7.26	77	525	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.30	70	43612	11.454	ng	# 69
50) Dimethylphthalate	14.20	163	132701	10.003	ng	# 98
54) 2,4-Dinitrophenol	15.04	184	58	7.051	ng	# 21
57) 2,4-Dinitrotoluene	14.76	165	19826	5.635	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.24	198	1036	7.537	ng	# 1
67) 4-Bromophenyl-phenylether	16.24	248	19937	3.889	ng	# 1

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

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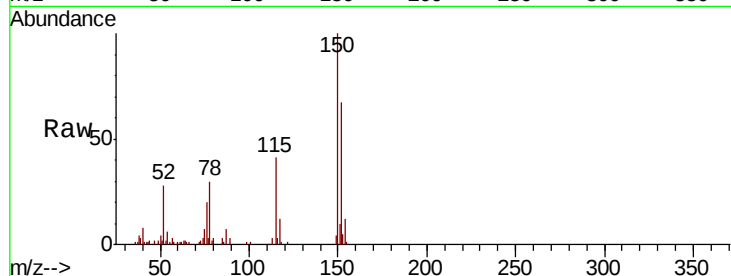


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: BG040912.D
Acq: 13 May 2019 15:39

Instrument :
BNA_G
ClientSampleId :
12-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.2	120.2	180.2
115	62.2	46.2	69.2

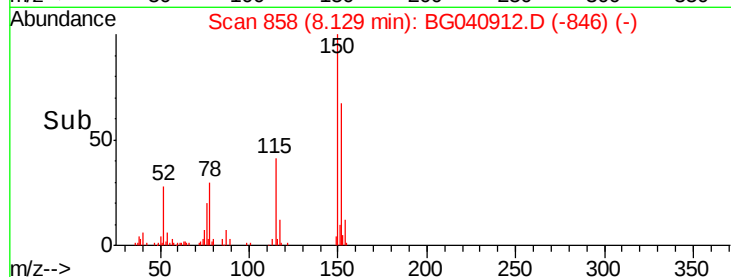
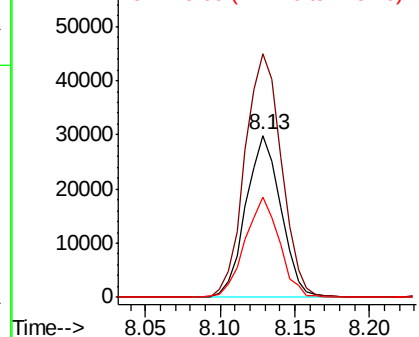


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

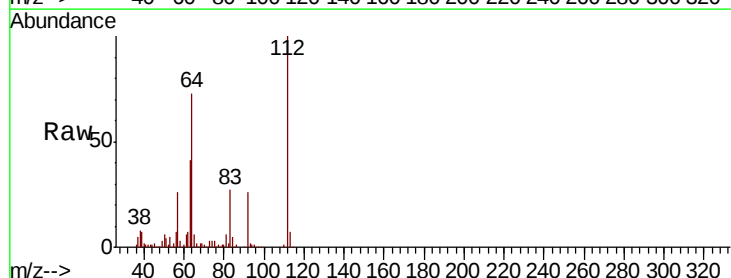
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 112.587 ng
RT: 5.66 min Scan# 438
Delta R.T. -0.02 min
Lab File: BG040912.D
Acq: 13 May 2019 15:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	61.4	92.0
63	40.8	37.8	56.6

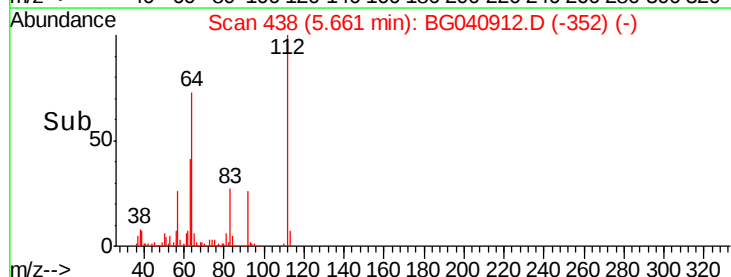
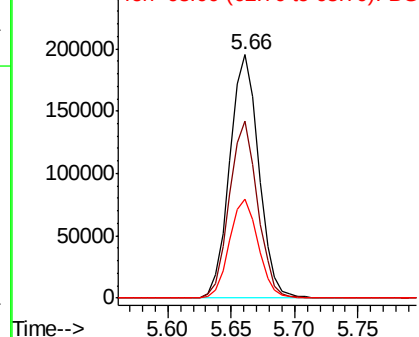


Abundance

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: 113.408 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

Instrument :

BNA_G

ClientSampleId :

12-B

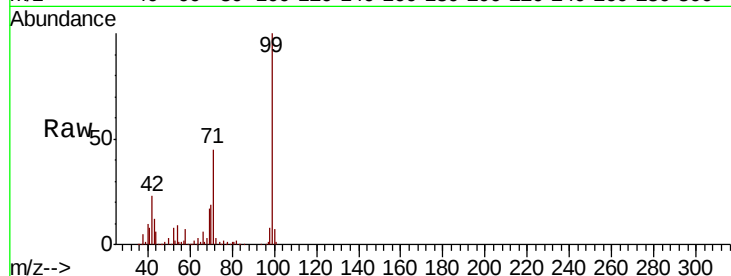
Tgt Ion: 99 Resp: 479680

Ion Ratio Lower Upper

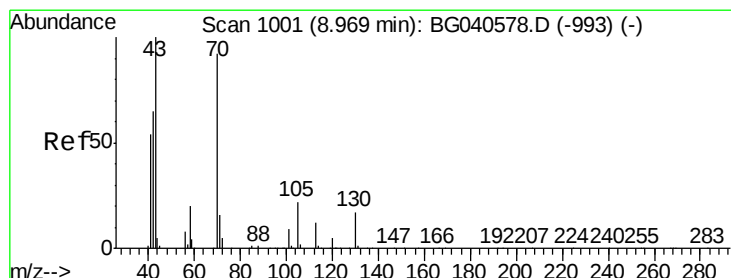
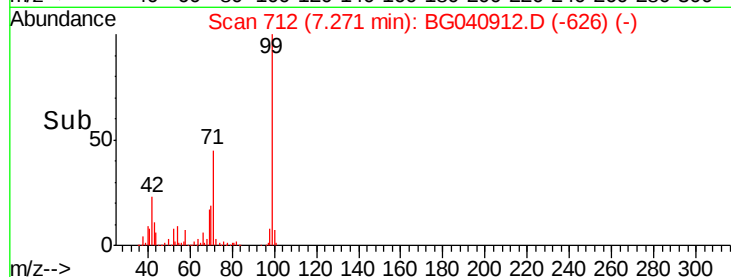
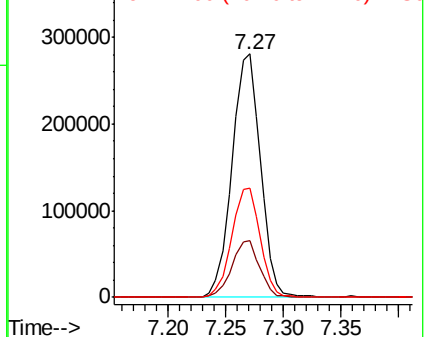
99 100

42 23.1 21.8 32.8

71 45.1 38.6 57.8



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: 11.454 ng

RT: 9.30 min Scan# 1058

Delta R.T. 0.33 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

Tgt Ion: 70 Resp: 43612

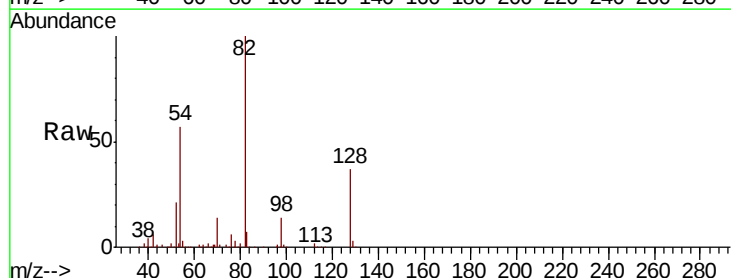
Ion Ratio Lower Upper

70 100

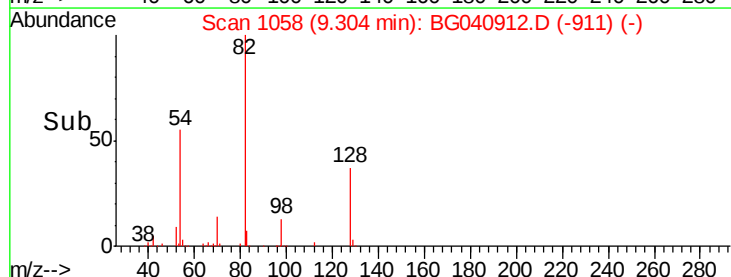
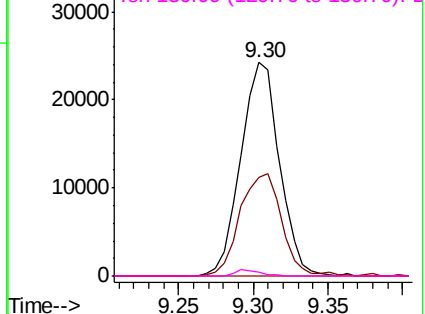
42 45.9 57.1 85.7#

101 0.0 7.8 11.8#

130 2.1 14.6 21.8#



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

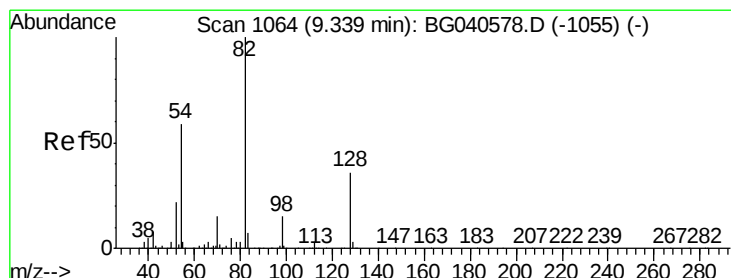
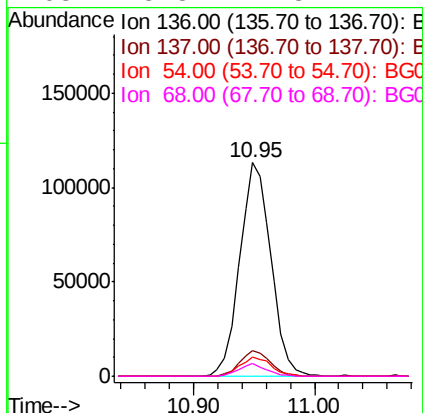
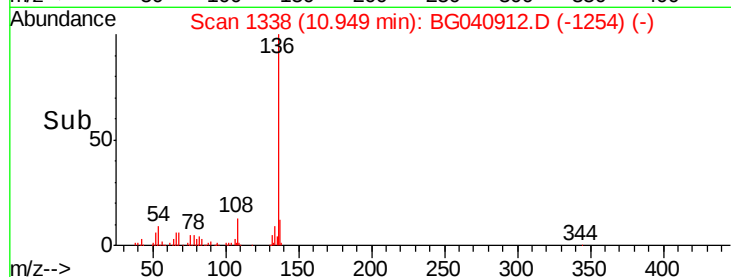
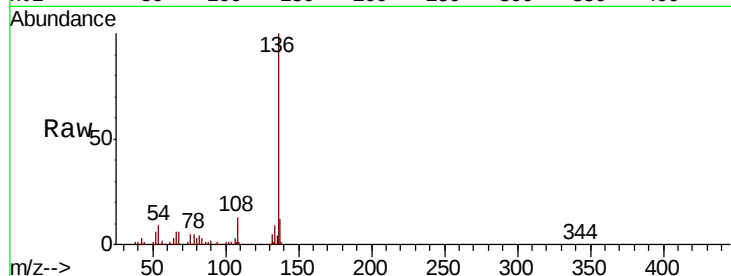




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.04 min
Lab File: BG040912.D
Acq: 13 May 2019 15:39

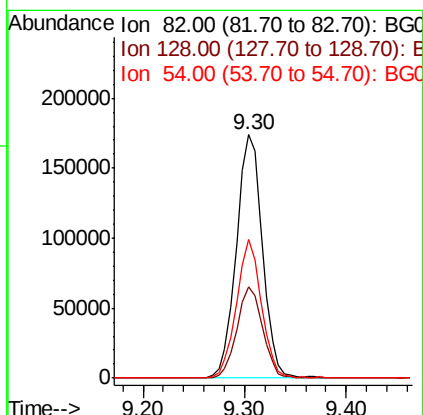
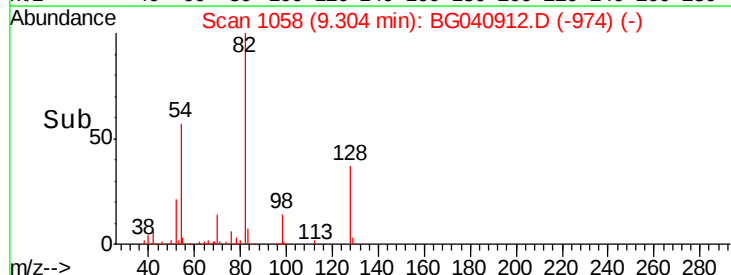
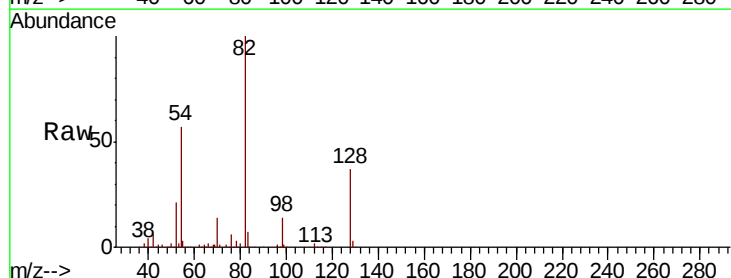
Instrument :
BNA_G
ClientSampleId :
12-B

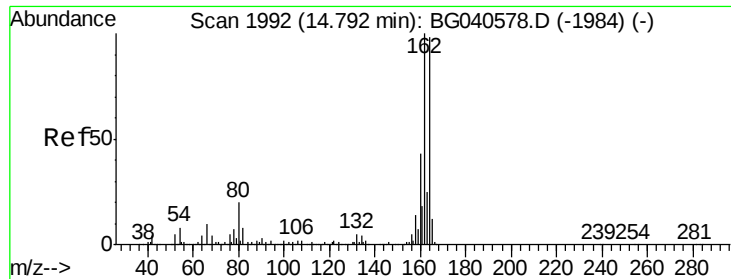
Tgt Ion:	136	Resp:	202764
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	9.2	8.6	12.8
68	5.8	4.8	7.2



#23
Nitrobenzene-d5
Concen: 70.745 ng
RT: 9.30 min Scan# 1058
Delta R.T. -0.04 min
Lab File: BG040912.D
Acq: 13 May 2019 15:39

Tgt Ion:	82	Resp:	310447
Ion	Ratio	Lower	Upper
82	100		
128	37.3	28.9	43.3
54	57.0	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1986

Delta R.T. -0.04 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

Instrument :

BNA_G

ClientSampled :

12-B

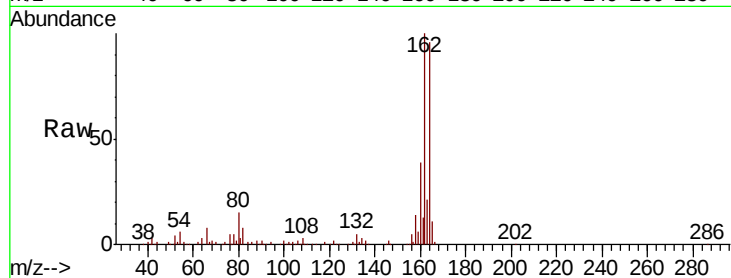
Tgt Ion:164 Resp: 158553

Ion Ratio Lower Upper

164 100

162 104.0 81.9 122.9

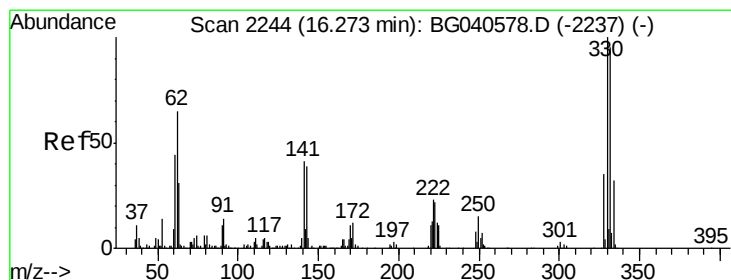
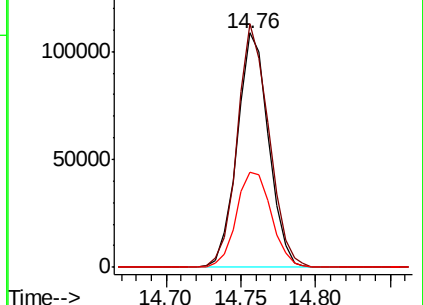
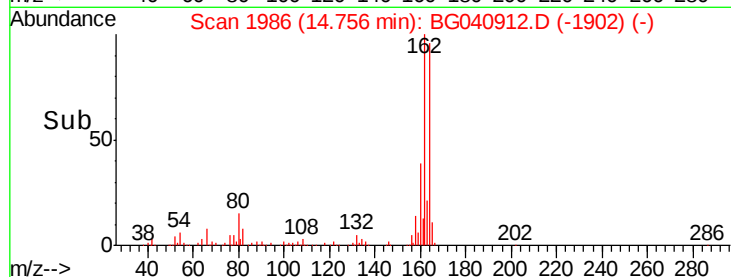
160 40.9 35.4 53.2



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: 126.426 ng

RT: 16.24 min Scan# 2239

Delta R.T. -0.03 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

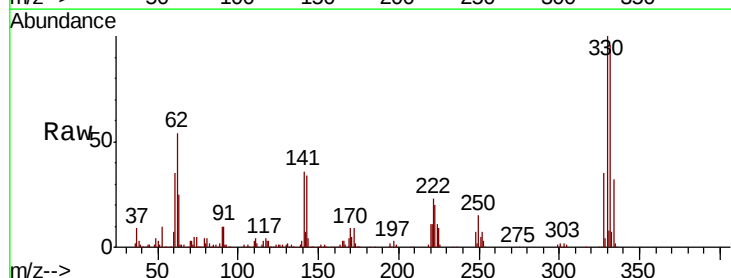
Tgt Ion:330 Resp: 275525

Ion Ratio Lower Upper

330 100

332 95.6 75.9 113.9

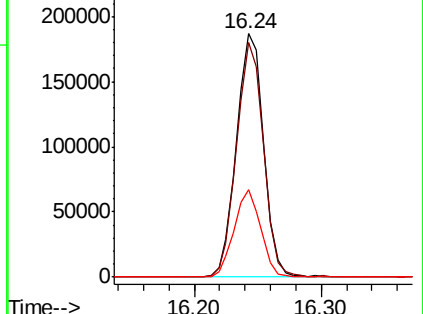
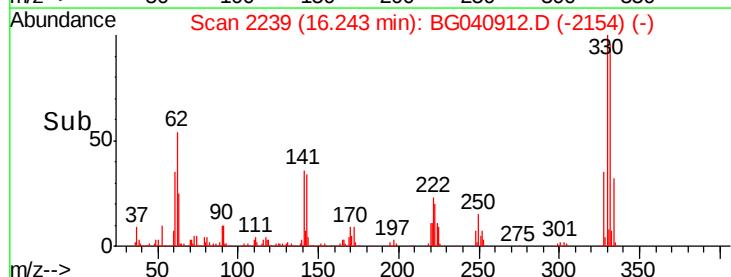
141 35.0 32.4 48.6

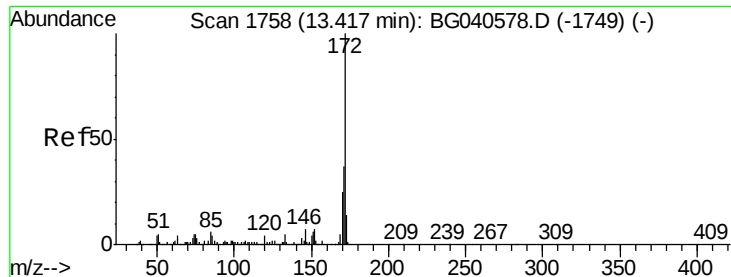


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

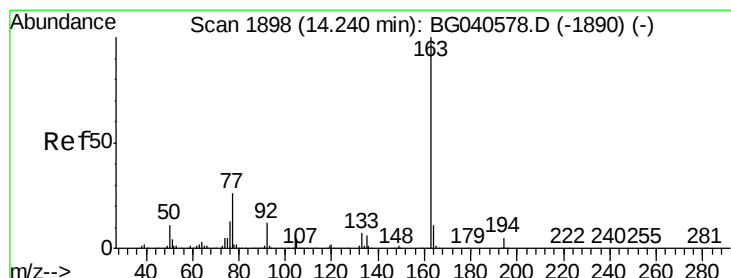
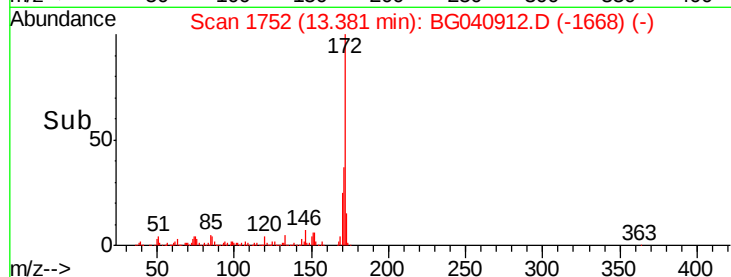
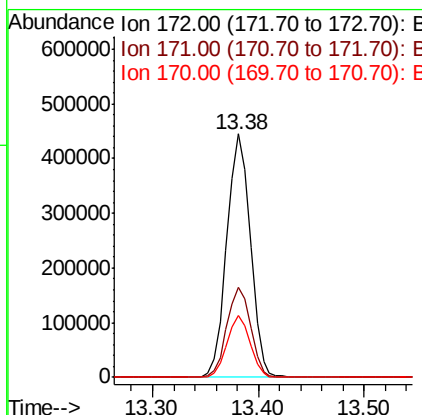
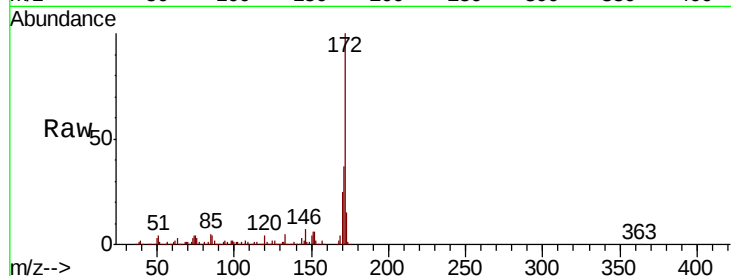




#45
 2-Fluorobiphenyl
 Concen: 62.579 ng
 RT: 13.38 min Scan# 1752
 Delta R.T. -0.04 min
 Lab File: BG040912.D
 Acq: 13 May 2019 15:39

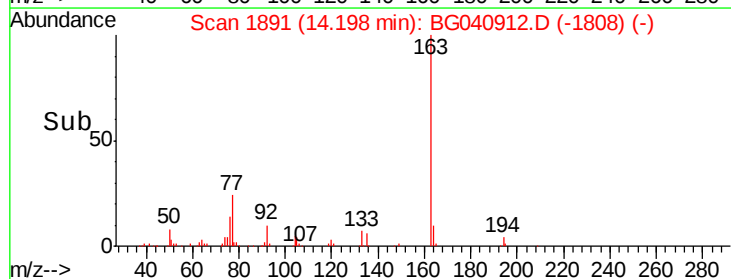
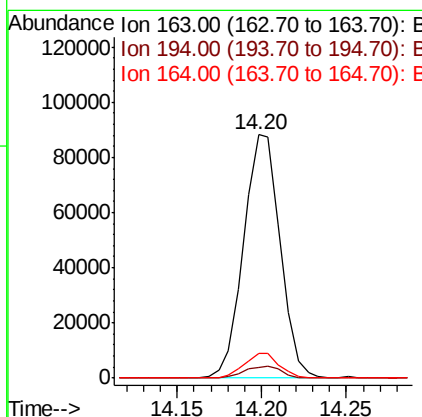
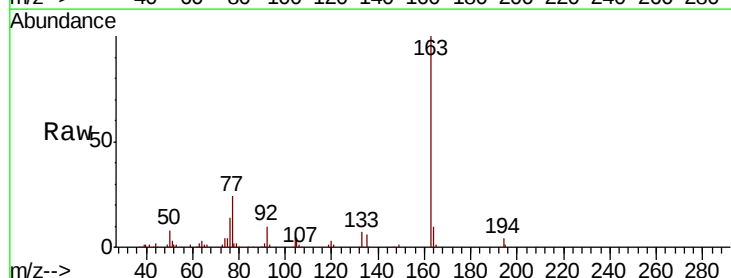
Instrument :
 BNA_G
 ClientSampleId :
 12-B

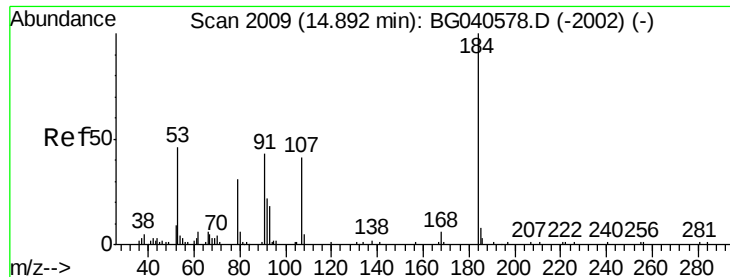
Tgt Ion:	172	Resp:	687035
Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.4	44.2
170	25.2	19.9	29.9



#50
 Dimethylphthalate
 Concen: 10.003 ng
 RT: 14.20 min Scan# 1891
 Delta R.T. -0.04 min
 Lab File: BG040912.D
 Acq: 13 May 2019 15:39

Tgt Ion:	163	Resp:	132701
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.8	5.8
164	10.2	8.8	13.2

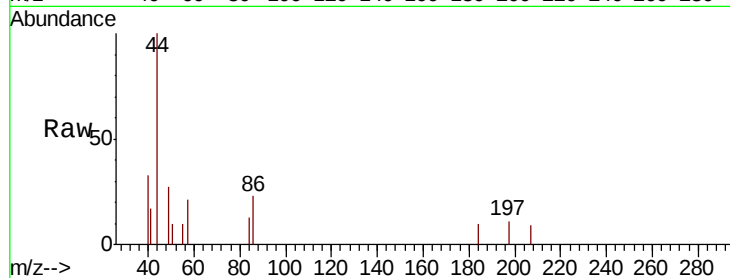




#54
2,4-Dinitrophenol
Concen: 7.051 ng
RT: 15.04 min Scan# 2035
Delta R.T. 0.15 min
Lab File: BG040912.D
Acq: 13 May 2019 15:39

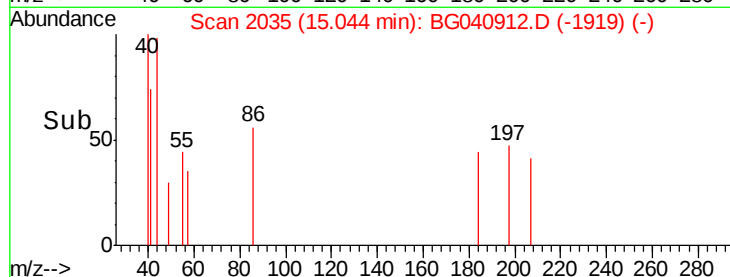
Instrument :
BNA_G
ClientSampleId :
12-B

Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

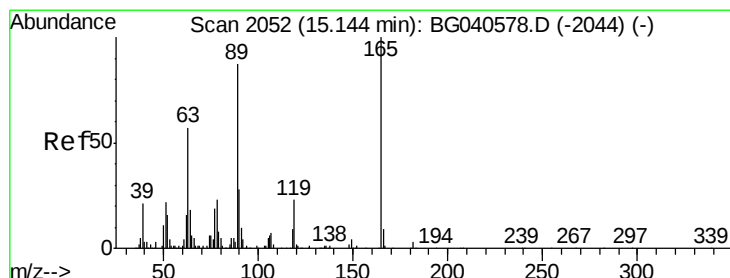


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

15.04

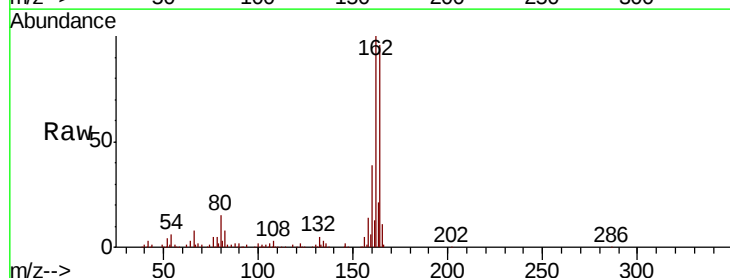


Time-->



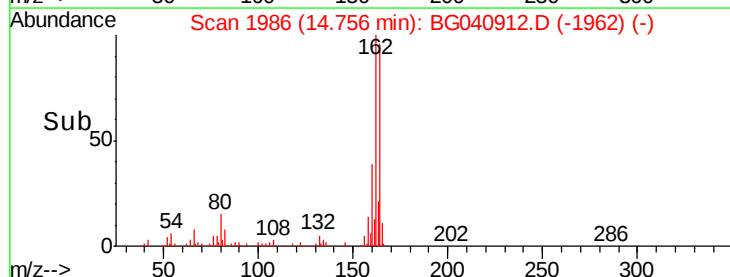
#57
2,4-Dinitrotoluene
Concen: 5.635 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.39 min
Lab File: BG040912.D
Acq: 13 May 2019 15:39

Tgt Ion:165 Resp: 19826
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 3.0 69.4 104.2#
182 0.0 2.2 3.4#

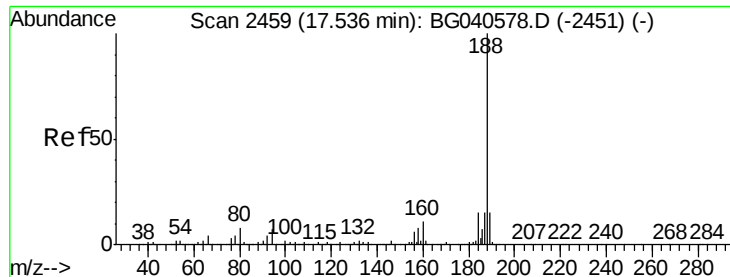


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

14.76



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2453

Delta R.T. -0.04 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

Instrument :

BNA_G

ClientSampleId :

12-B

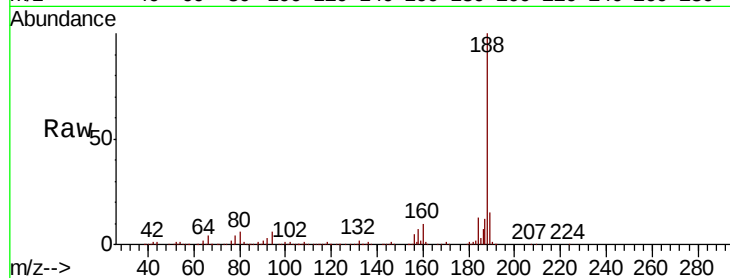
Tgt Ion:188 Resp: 411534

Ion Ratio Lower Upper

188 100

94 5.6 5.6 8.4#

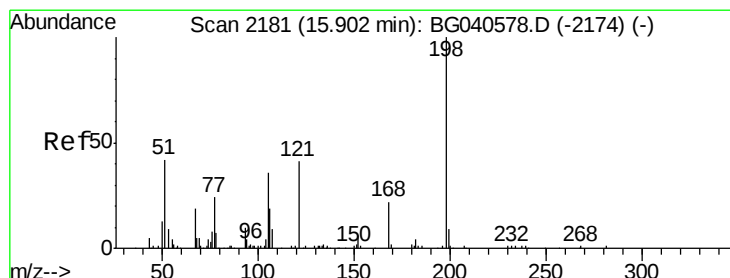
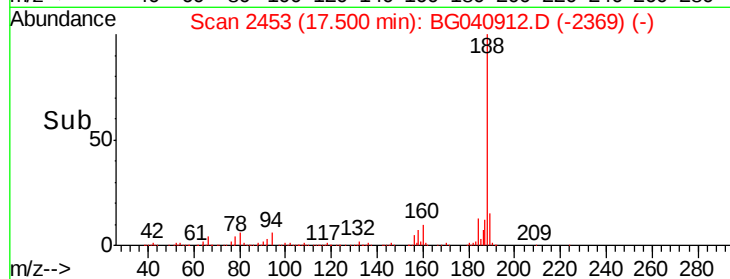
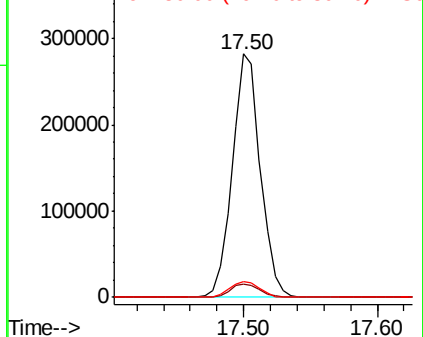
80 6.4 6.4 9.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.537 ng

RT: 16.24 min Scan# 2239

Delta R.T. 0.34 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

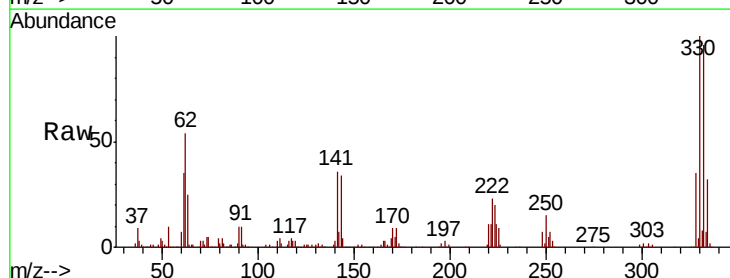
Tgt Ion:198 Resp: 1036

Ion Ratio Lower Upper

198 100

51 163.6 35.9 75.9#

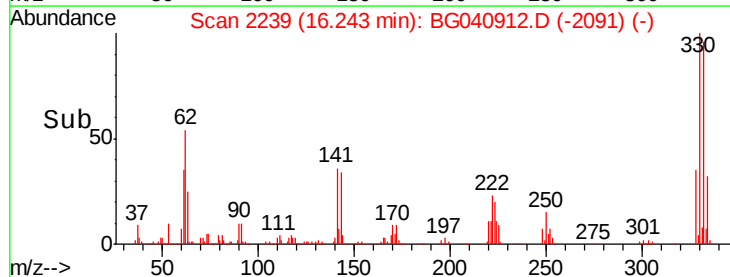
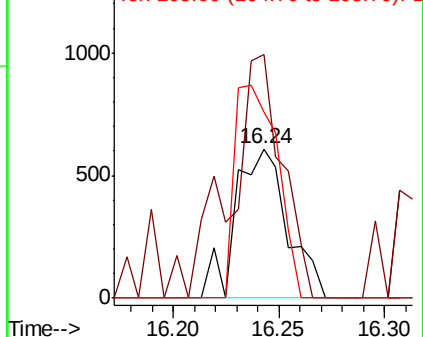
105 124.5 21.2 61.2#

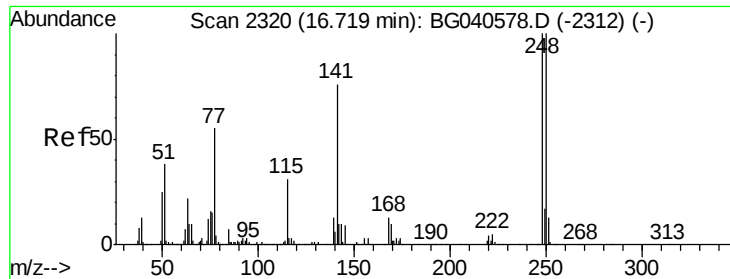


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

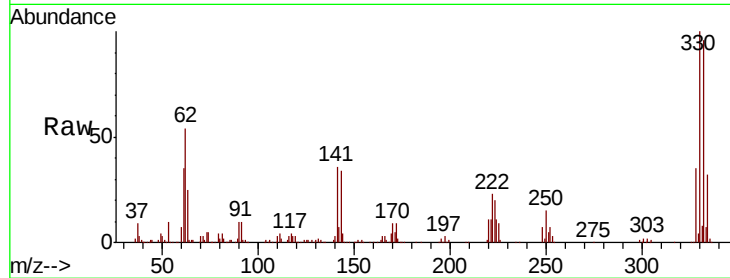




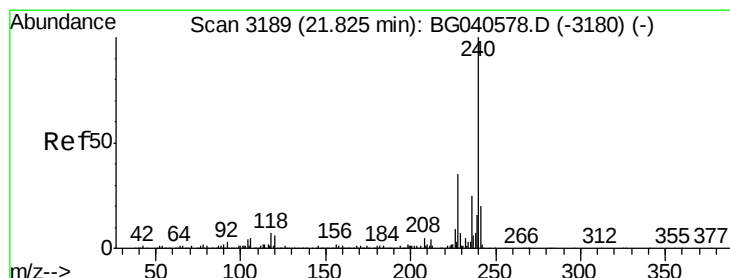
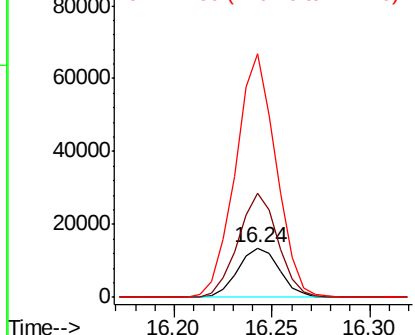
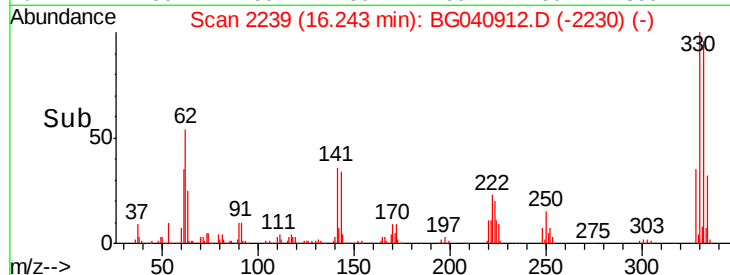
#67
 4-Bromophenyl-phenylether
 Concen: 3.889 ng
 RT: 16.24 min Scan# 2239
 Delta R.T. -0.48 min
 Lab File: BG040912.D
 Acq: 13 May 2019 15:39

Instrument :
 BNA_G
 ClientSampleId :
 12-B

Tgt Ion:248 Resp: 19937
 Ion Ratio Lower Upper
 248 100
 250 208.2 79.8 119.6#
 141 489.9 60.8 91.2#

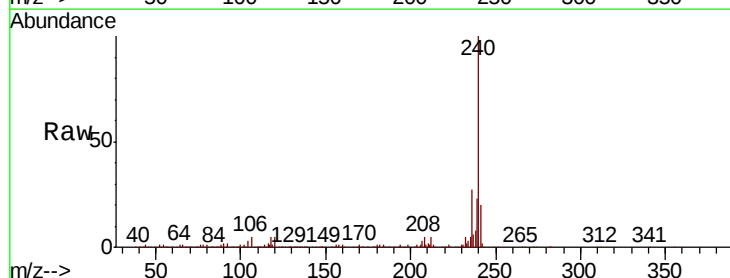


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

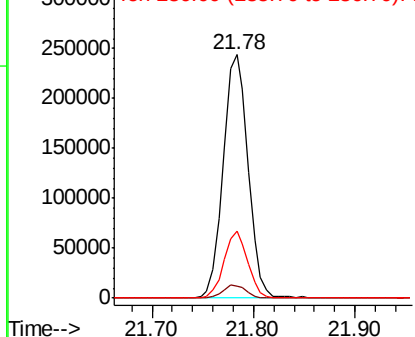
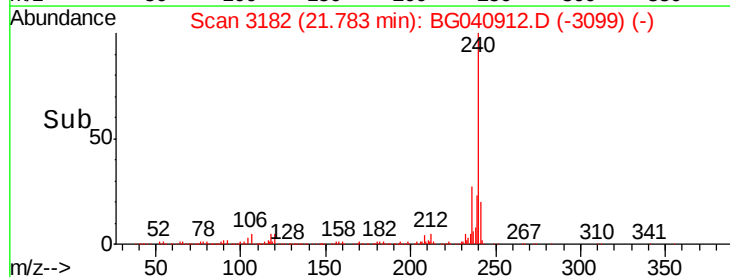


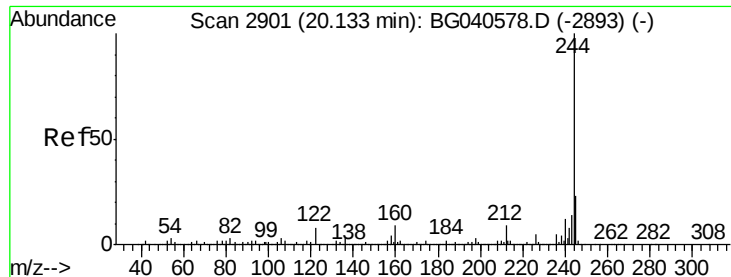
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3182
 Delta R.T. -0.04 min
 Lab File: BG040912.D
 Acq: 13 May 2019 15:39

Tgt Ion:240 Resp: 414135
 Ion Ratio Lower Upper
 240 100
 120 5.1 5.0 7.6
 236 27.3 20.3 30.5



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





#79

Terphenyl-d14

Concen: 68.234 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.04 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

Instrument :

BNA_G

ClientSampleId :

12-B

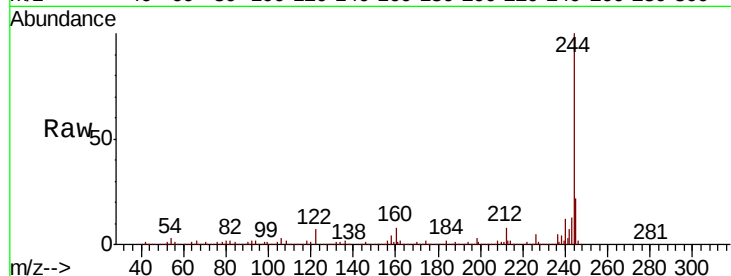
Tgt Ion:244 Resp: 1275526

Ion Ratio Lower Upper

244 100

212 8.3 7.2 10.8

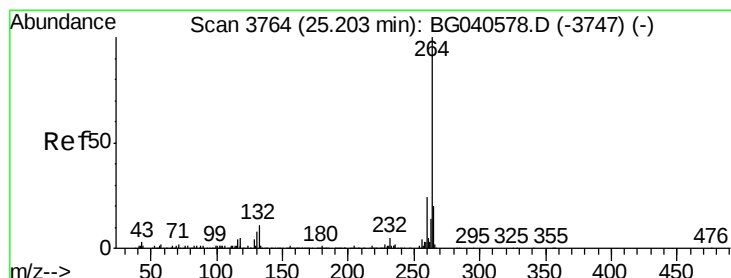
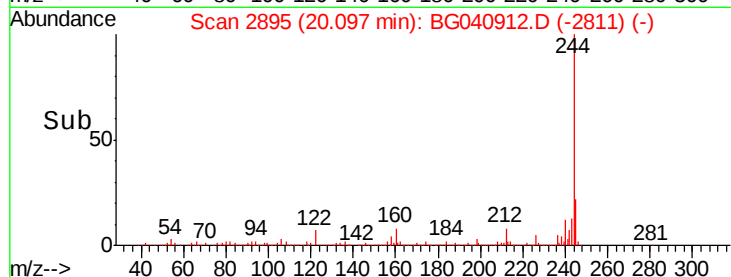
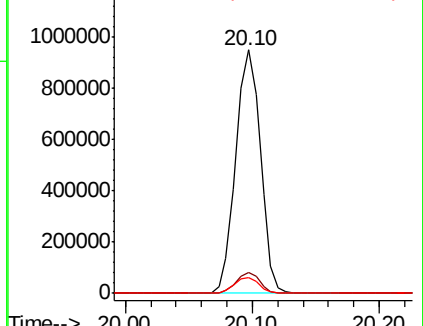
122 6.7 6.6 10.0



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: 25.13 min Scan# 3751

Delta R.T. -0.08 min

Lab File: BG040912.D

Acq: 13 May 2019 15:39

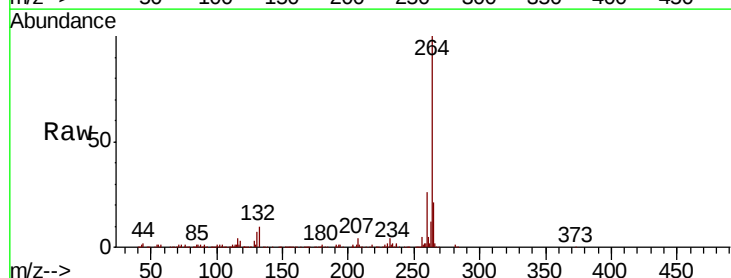
Tgt Ion:264 Resp: 447688

Ion Ratio Lower Upper

264 100

260 25.8 19.2 28.8

265 21.1 16.6 25.0



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

