

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050819\
 Data File : BG040810.D
 Acq On : 9 May 2019 7:05
 Operator : HP/JU
 Sample : K2641-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-050719-D

Quant Time: May 09 08:19:40 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

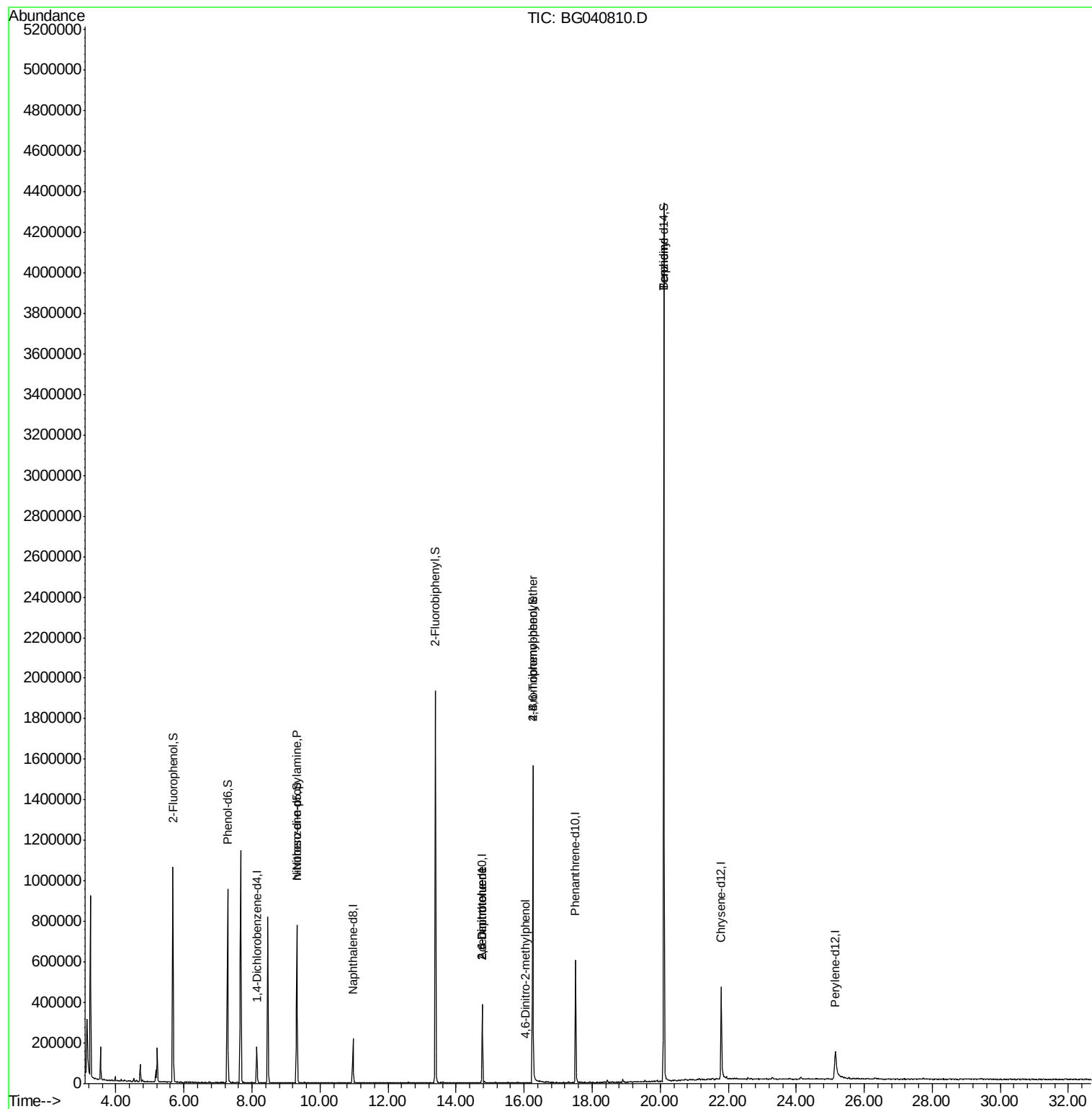
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	45522	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	173137	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	129556	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	360520	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	341404	20.00	ng	-0.03
87) Perylene-d12	25.15	264	242868	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	385615	149.32	ng	-0.01
7) Phenol-d6	7.28	99	501355	126.09	ng	-0.01
23) Nitrobenzene-d5	9.32	82	456614	121.86	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	294849	165.57	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	961153	107.14	ng	-0.02
79) Terphenyl-d14	20.11	244	1956618	126.97	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.27	77	1314	Below Cal		Qvalue # 18
19) n-Nitroso-di-n-propylamine	9.32	70	67470	18.850	ng	# 72
51) 2,6-Dinitrotoluene	14.77	165	16403	7.753	ng	# 13
57) 2,4-Dinitrotoluene	14.77	165	16403	5.706	ng	# 15
65) 4,6-Dinitro-2-methylphenol	16.04	198	56	7.128	ng	# 28
67) 4-Bromophenyl-phenylether	16.25	248	21621	4.814	ng	# 1
77) Benizidine	20.11	184	36496	3.904	ng	95

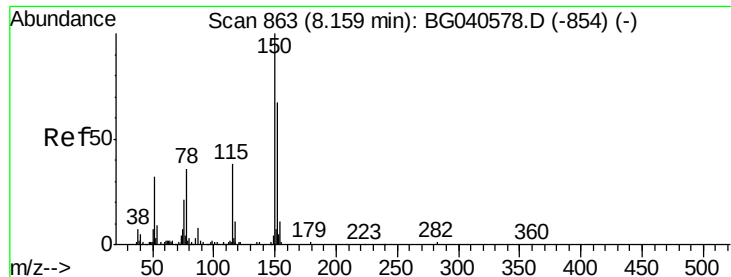
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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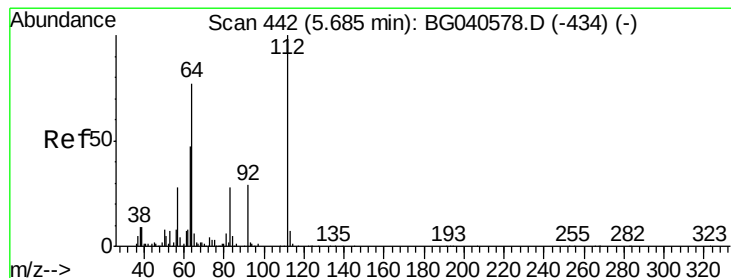
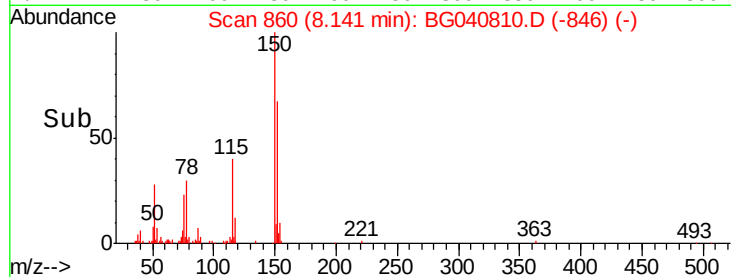
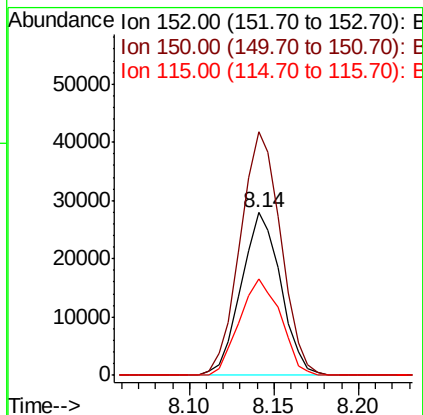
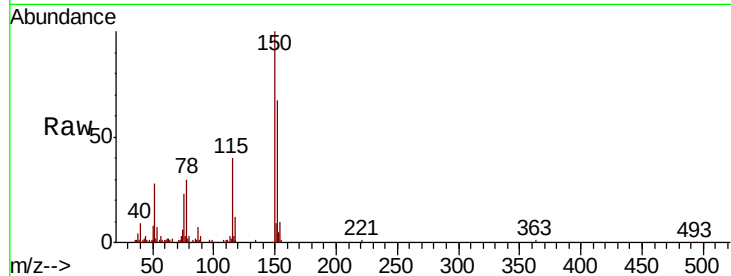


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040810.D
Acq: 9 May 2019 7:05

Instrument :
BNA_G
ClientSampleId :
CL-02-050719-D

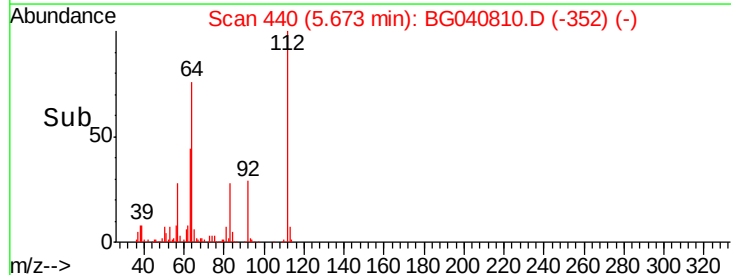
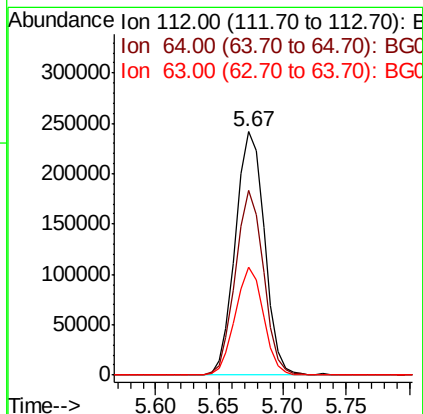
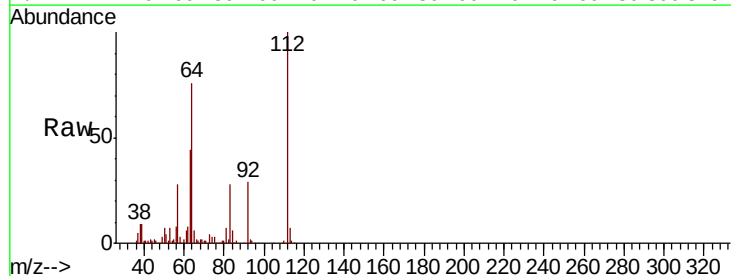
Tgt Ion:152 Resp: 45522
Ion Ratio Lower Upper
152 100
150 149.6 120.2 180.2
115 59.4 46.2 69.2

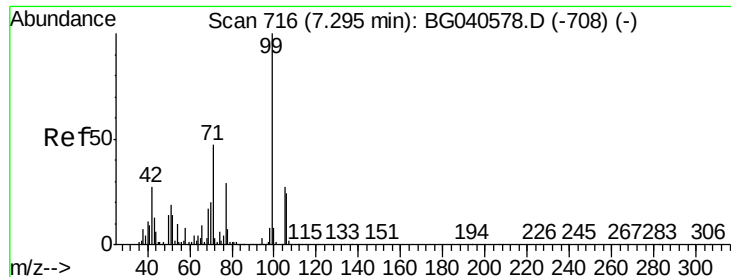


#5

2-Fluorophenol
Concen: 149.323 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040810.D
Acq: 9 May 2019 7:05

Tgt Ion:112 Resp: 385615
Ion Ratio Lower Upper
112 100
64 75.7 61.4 92.0
63 44.4 37.8 56.6





#7

Phenol-d6

Concen: 126.089 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040810.D

Acq: 9 May 2019 7:05

Instrument :

BNA_G

ClientSampleId :

CL-02-050719-D

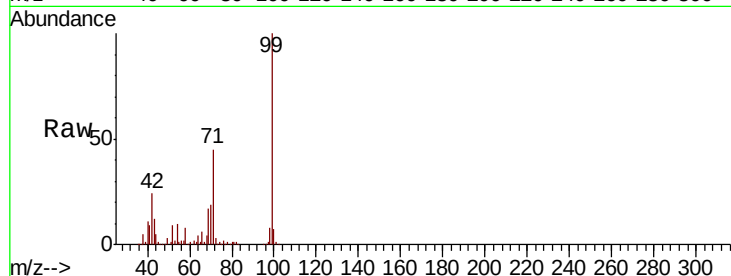
Tgt Ion: 99 Resp: 501355

Ion Ratio Lower Upper

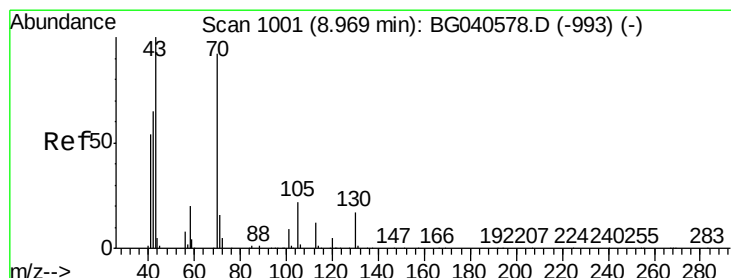
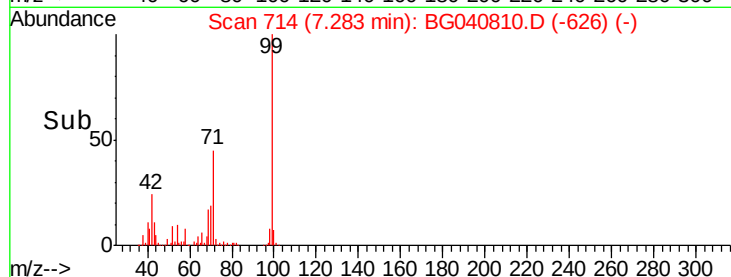
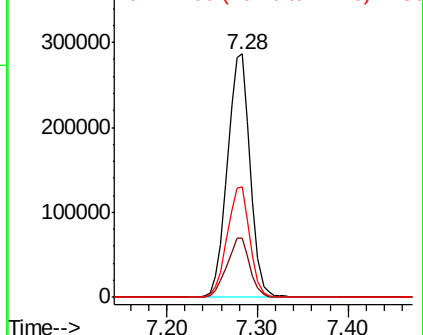
99 100

42 24.4 21.8 32.8

71 45.3 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: 18.850 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040810.D

Acq: 9 May 2019 7:05

Tgt Ion: 70 Resp: 67470

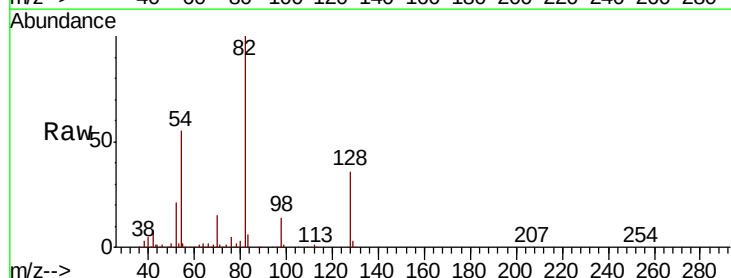
Ion Ratio Lower Upper

70 100

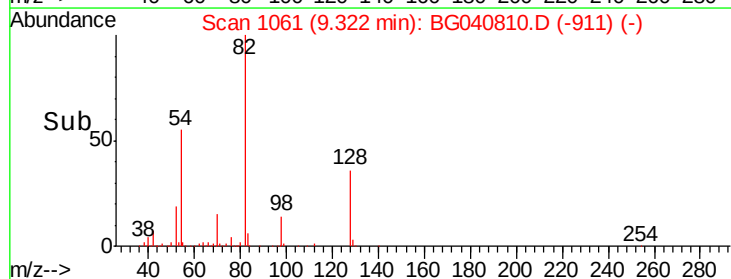
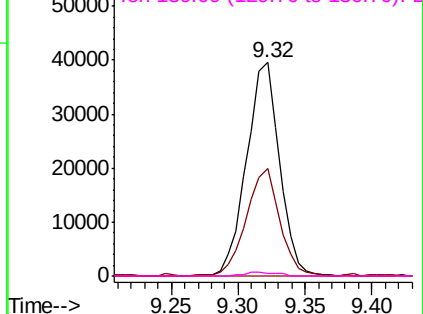
42 50.4 57.1 85.7#

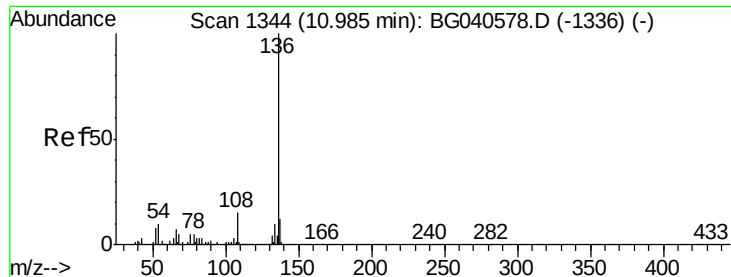
101 0.0 7.8 11.8#

130 1.2 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

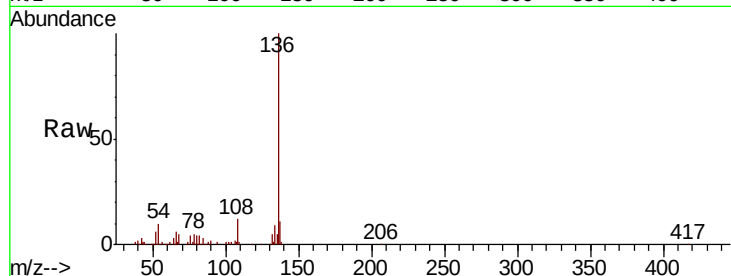




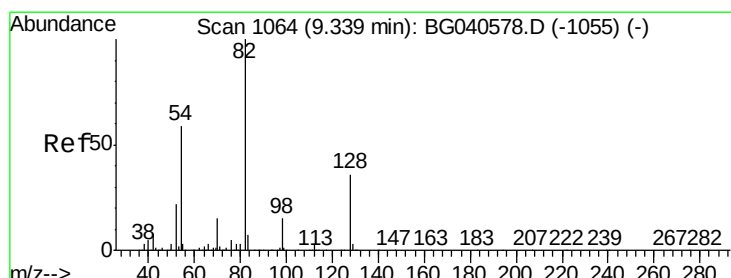
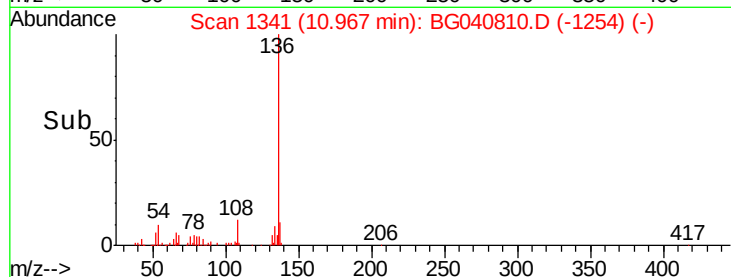
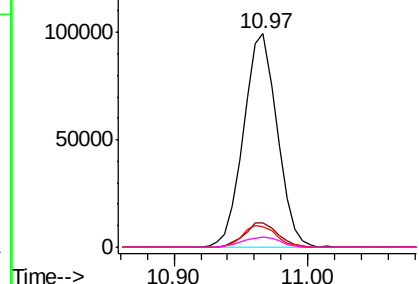
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040810.D
Acq: 9 May 2019 7:05

Instrument :
BNA_G
ClientSampleId :
CL-02-050719-D

Tgt Ion:	136	Resp:	173137
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.7	14.5
54	9.7	8.6	12.8
68	4.9	4.8	7.2

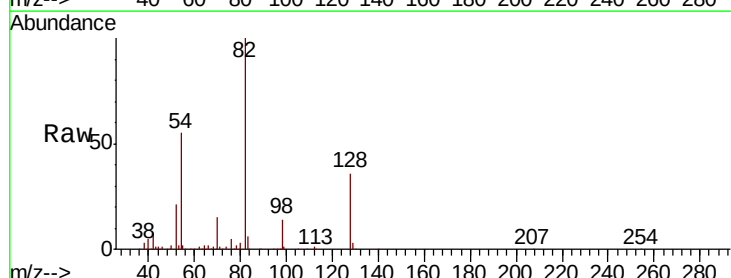


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

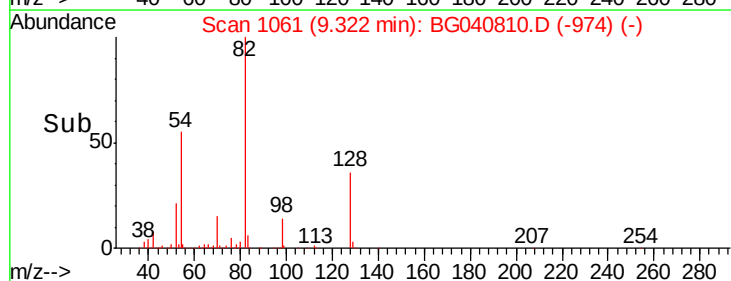
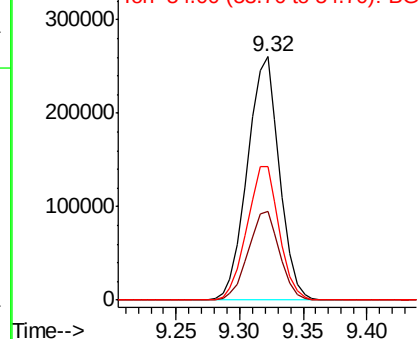


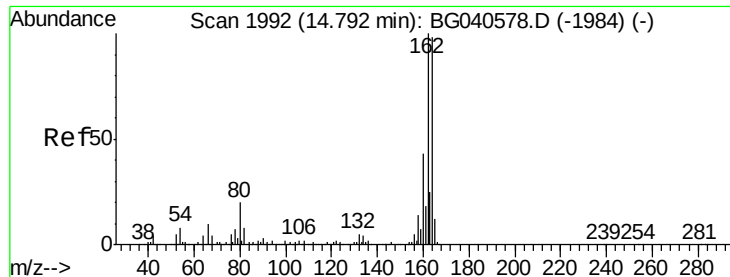
#23
Nitrobenzene-d5
Concen: 121.860 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040810.D
Acq: 9 May 2019 7:05

Tgt Ion:	82	Resp:	456614
Ion	Ratio	Lower	Upper
82	100		
128	36.4	28.9	43.3
54	55.1	47.2	70.8



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: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040810.D

Acq: 9 May 2019 7:05

Instrument :

BNA_G

ClientSampleId :

CL-02-050719-D

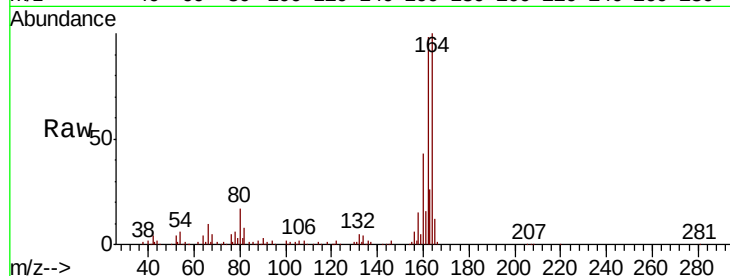
Tgt Ion:164 Resp: 129556

Ion Ratio Lower Upper

164 100

162 98.1 81.9 122.9

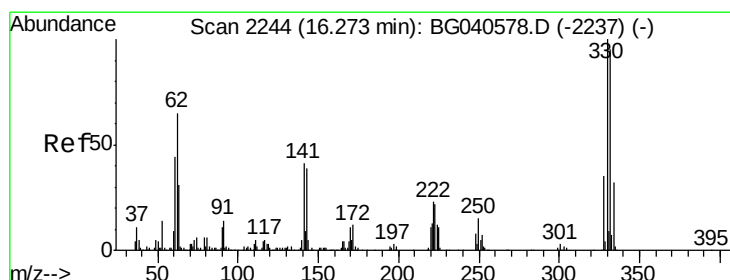
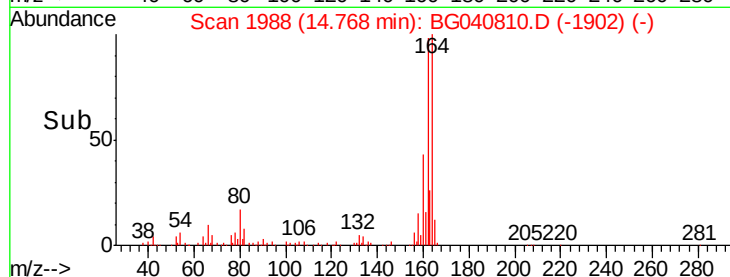
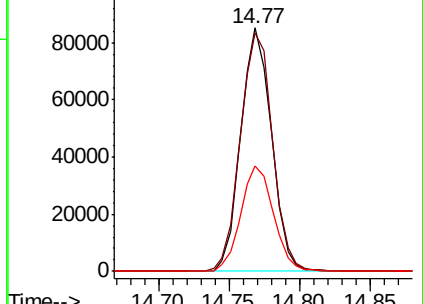
160 43.3 35.4 53.2



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: 165.573 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040810.D

Acq: 9 May 2019 7:05

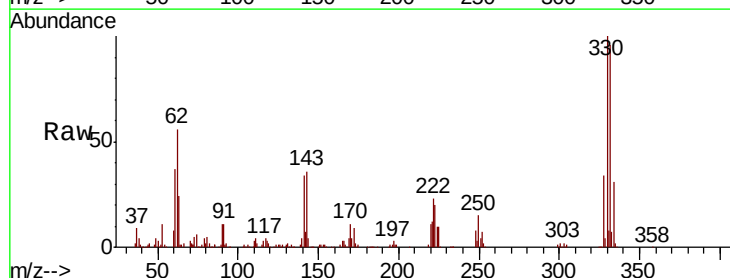
Tgt Ion:330 Resp: 294849

Ion Ratio Lower Upper

330 100

332 94.3 75.9 113.9

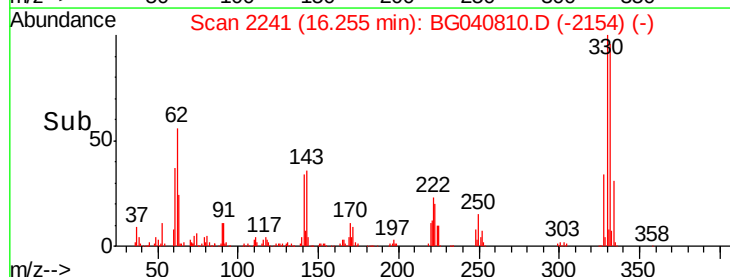
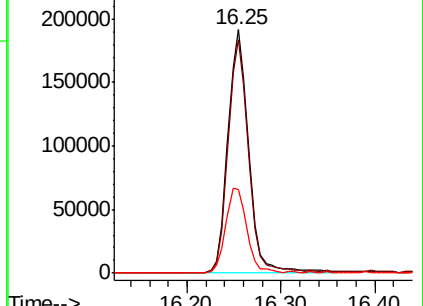
141 35.5 32.4 48.6

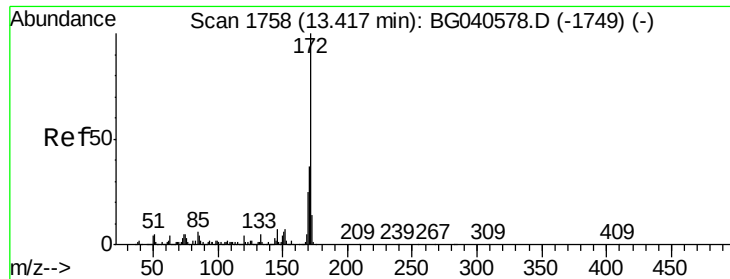


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

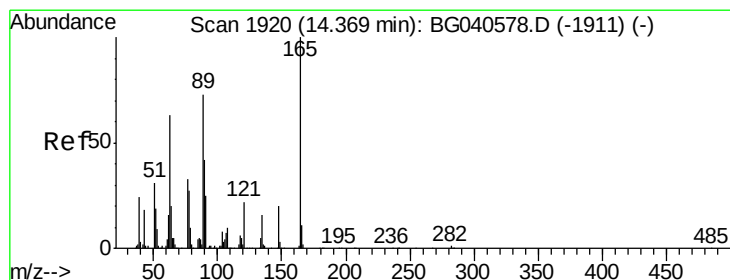
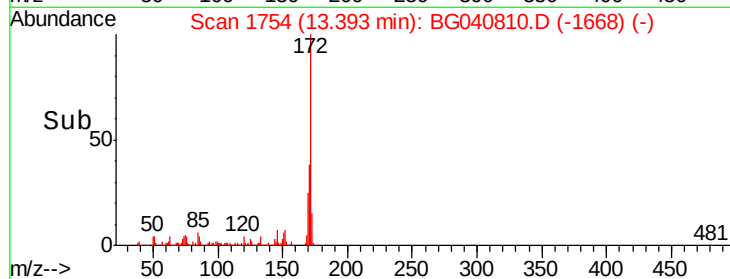
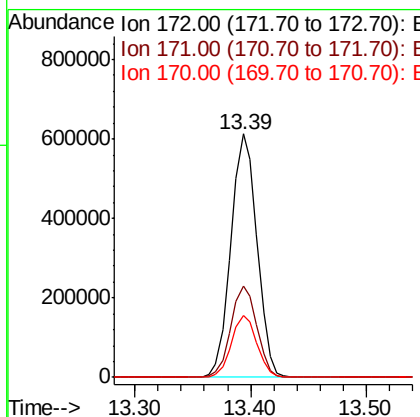
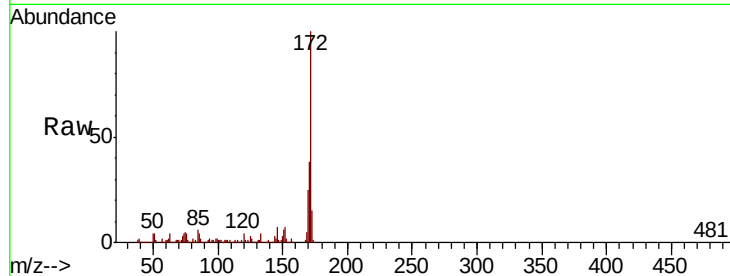




#45
 2-Fluorobiphenyl
 Concen: 107.143 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040810.D
 Acq: 9 May 2019 7:05

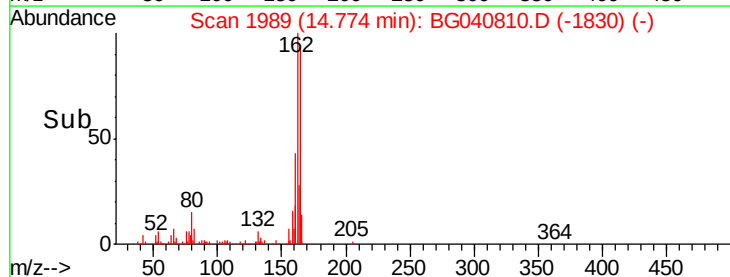
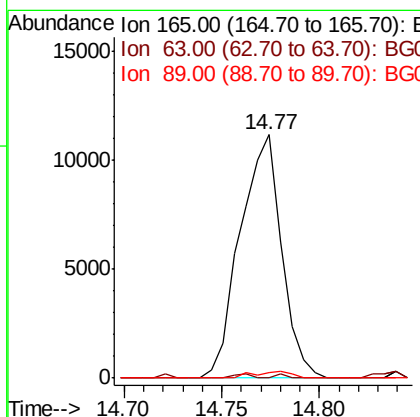
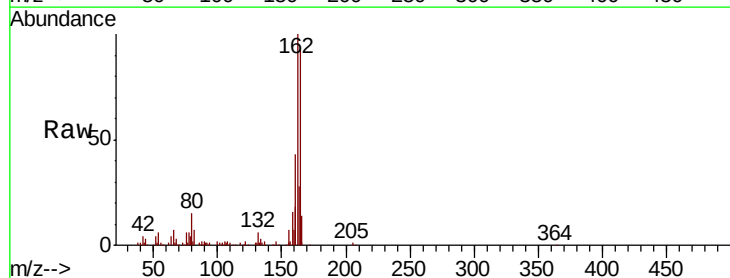
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-050719-D

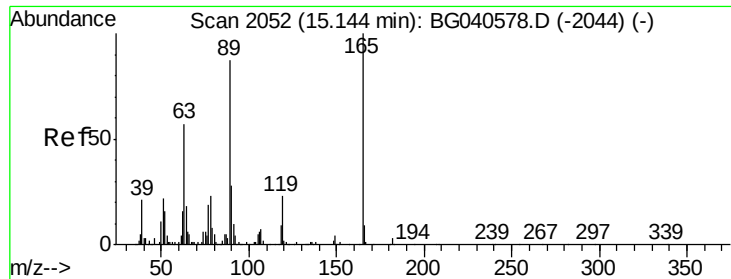
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.4	44.2
170	25.4	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.753 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.41 min
 Lab File: BG040810.D
 Acq: 9 May 2019 7:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	61.0	91.4#
89	2.0	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.706 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.37 min

Lab File: BG040810.D

Acq: 9 May 2019 7:05

Instrument :

BNA_G

ClientSampleId :

CL-02-050719-D

Tgt Ion:165 Resp: 16403

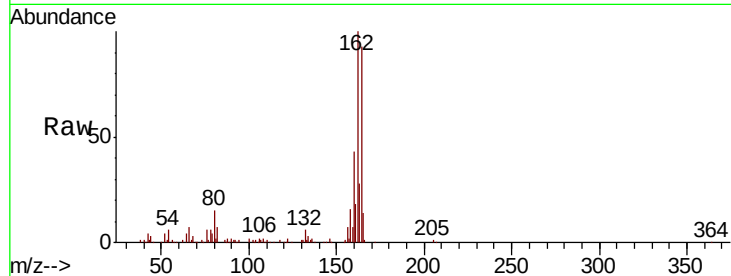
Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

89 2.0 69.4 104.2#

182 0.0 2.2 3.4#

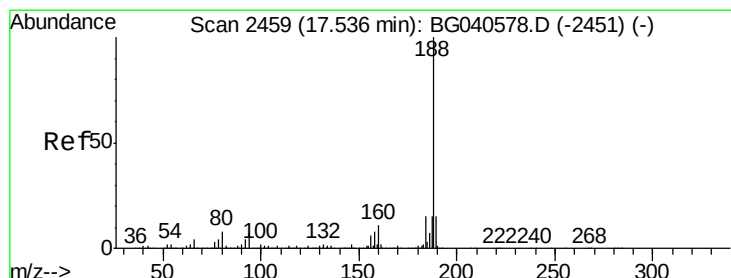
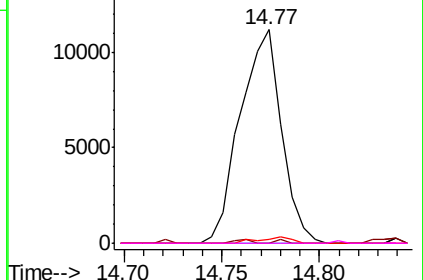
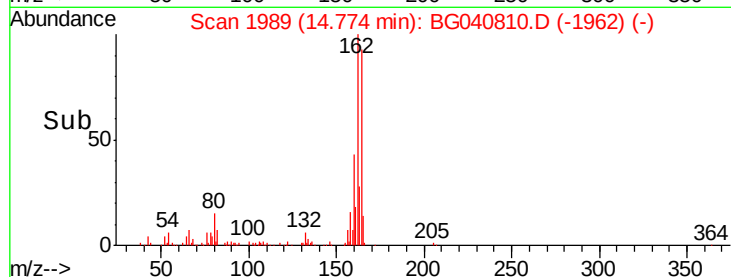


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040810.D

Acq: 9 May 2019 7:05

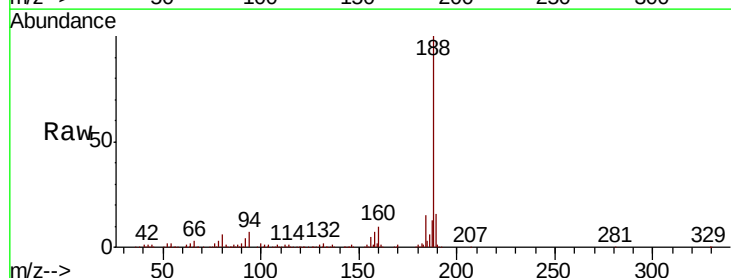
Tgt Ion:188 Resp: 360520

Ion Ratio Lower Upper

188 100

94 6.6 5.6 8.4

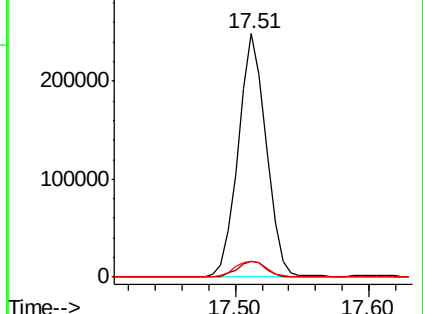
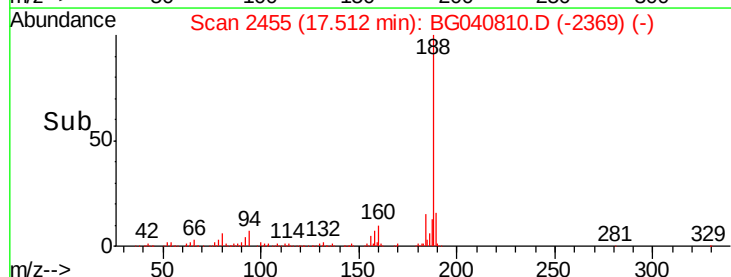
80 6.4 6.4 9.6#

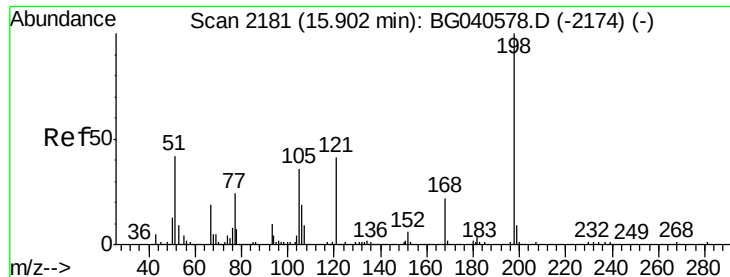


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 7.128 ng

RT: 16.04 min Scan# 2205

Delta R.T. 0.14 min

Lab File: BG040810.D

Acq: 9 May 2019 7:05

Instrument :

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ClientSampleId :

CL-02-050719-D

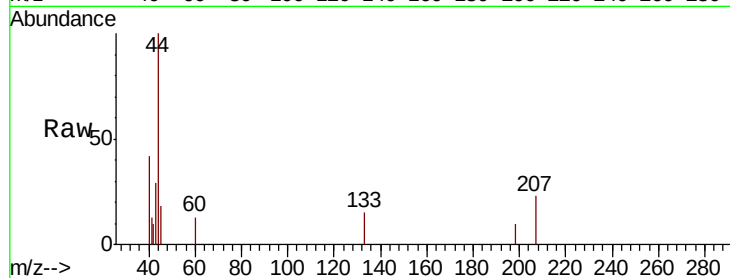
Tgt Ion:198 Resp: 56

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

105 0.0 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

16.04

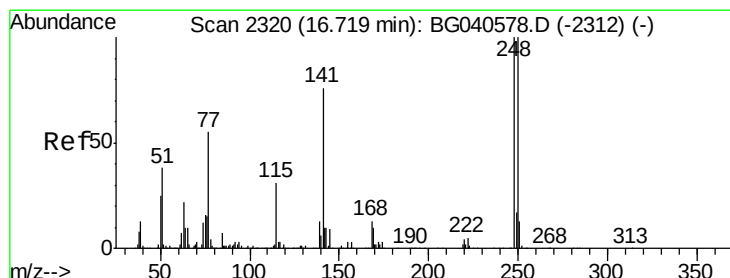
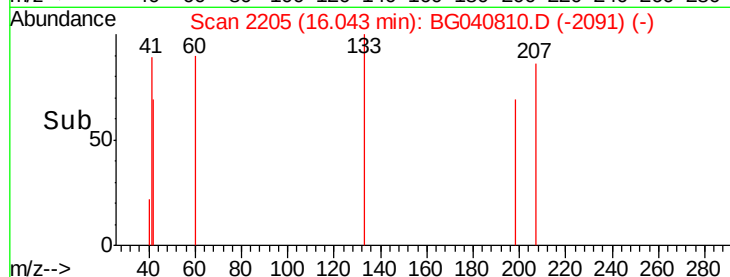
150

100

50

0

Time--> 16.02 16.04 16.06



#67

4-Bromophenyl-phenylether

Concen: 4.814 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040810.D

Acq: 9 May 2019 7:05

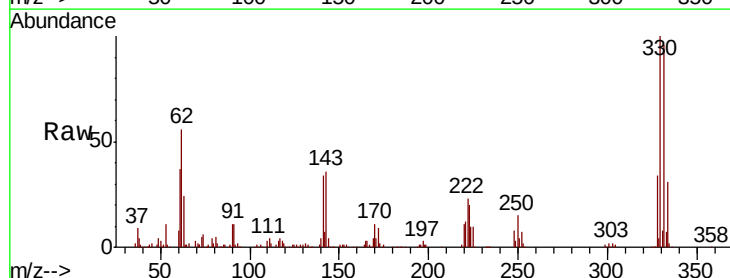
Tgt Ion:248 Resp: 21621

Ion Ratio Lower Upper

248 100

250 194.3 79.8 119.6#

141 450.3 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

80000

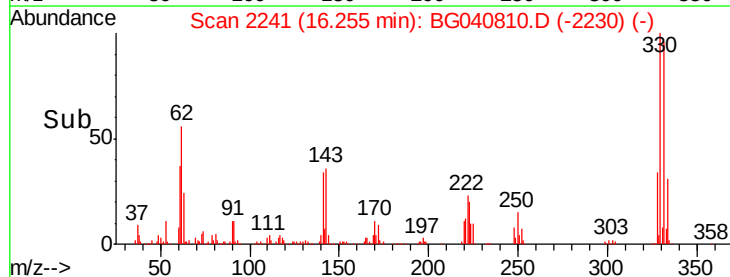
60000

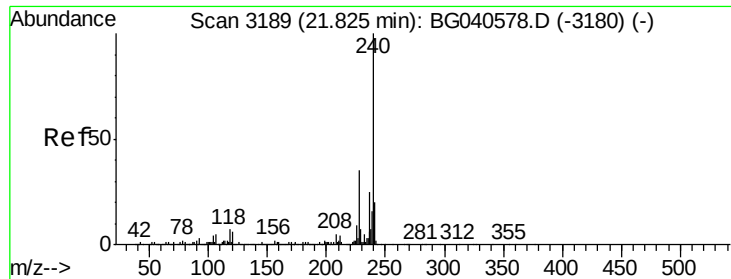
40000

20000

0

Time--> 16.20 16.25 16.30

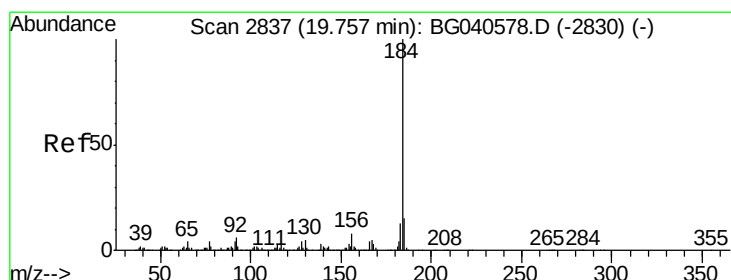
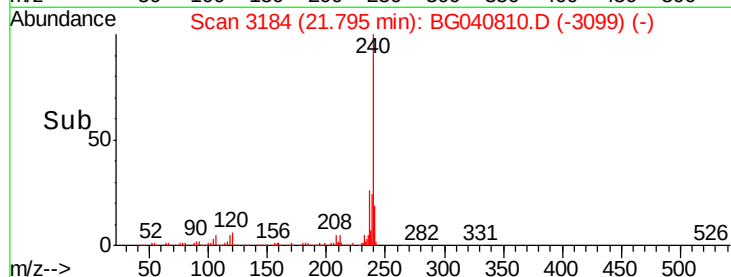
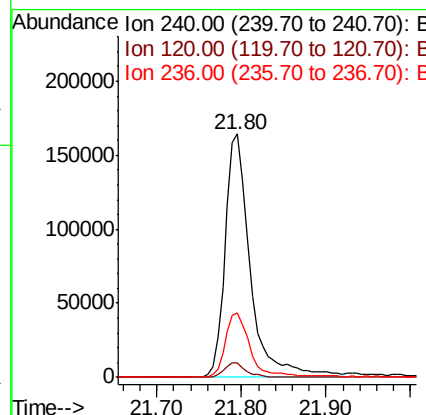
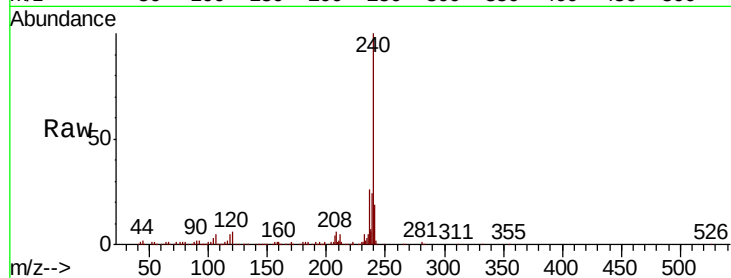




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040810.D
 Acq: 9 May 2019 7:05

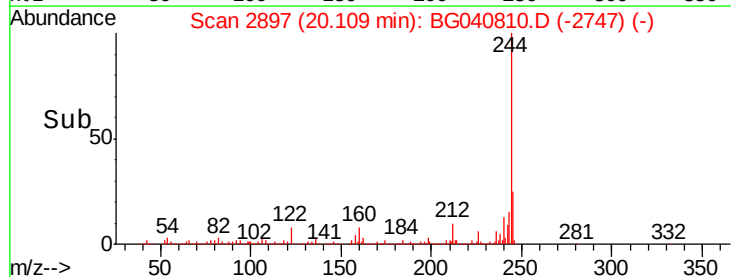
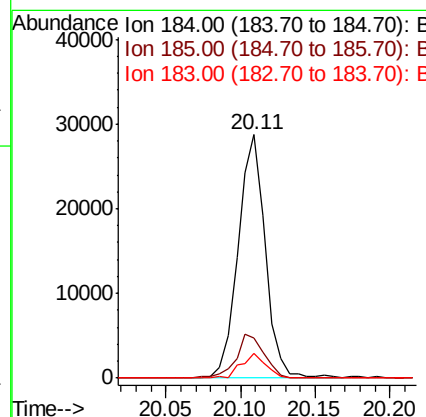
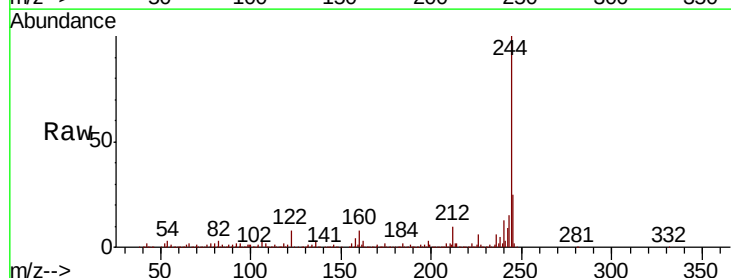
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-050719-D

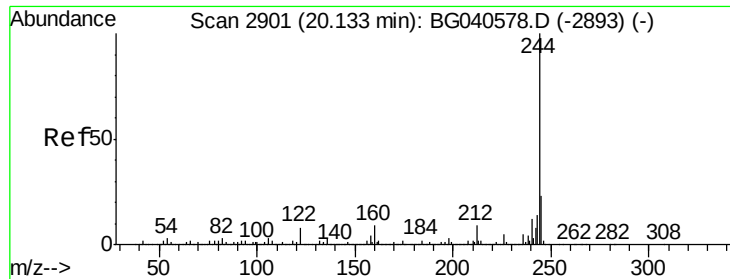
Tgt Ion:240 Resp: 341404
 Ion Ratio Lower Upper
 240 100
 120 6.2 5.0 7.6
 236 26.2 20.3 30.5



#77
 Benzidine
 Concen: 3.904 ng
 RT: 20.11 min Scan# 2897
 Delta R.T. 0.35 min
 Lab File: BG040810.D
 Acq: 9 May 2019 7:05

Tgt Ion:184 Resp: 36496
 Ion Ratio Lower Upper
 184 100
 185 16.3 11.8 17.8
 183 10.4 10.2 15.2





#79

Terphenyl-d14

Concen: 126.968 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040810.D

Acq: 9 May 2019 7:05

Instrument :

BNA_G

ClientSampleId :

CL-02-050719-D

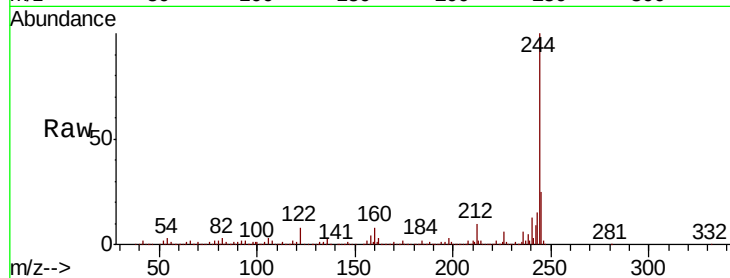
Tgt Ion:244 Resp: 1956618

Ion Ratio Lower Upper

244 100

212 10.0 7.2 10.8

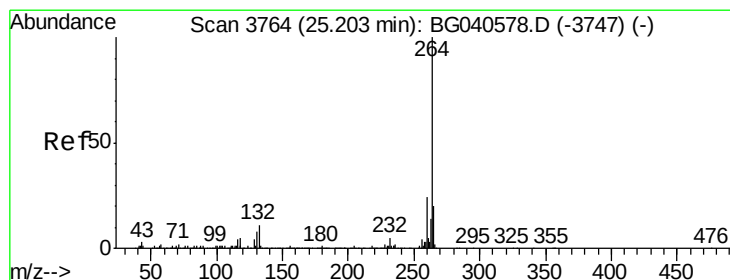
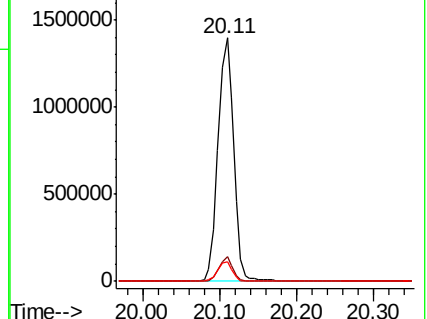
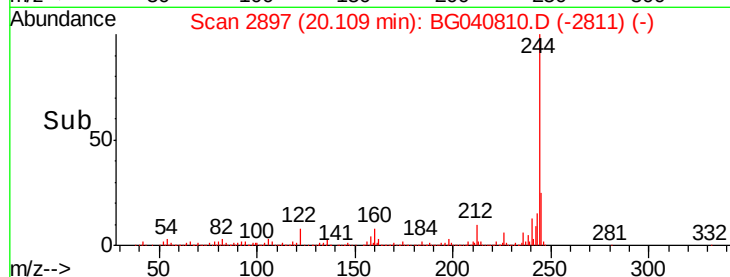
122 8.0 6.6 10.0



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: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040810.D

Acq: 9 May 2019 7:05

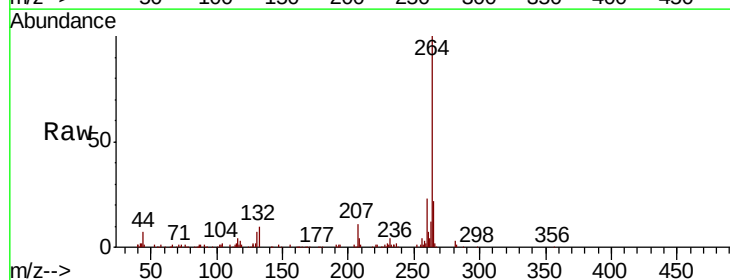
Tgt Ion:264 Resp: 242868

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.2 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

