

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
 Data File : BG040842.D
 Acq On : 10 May 2019 9:01
 Operator : HP/JU
 Sample : PB119587BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 10 15:15:33 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

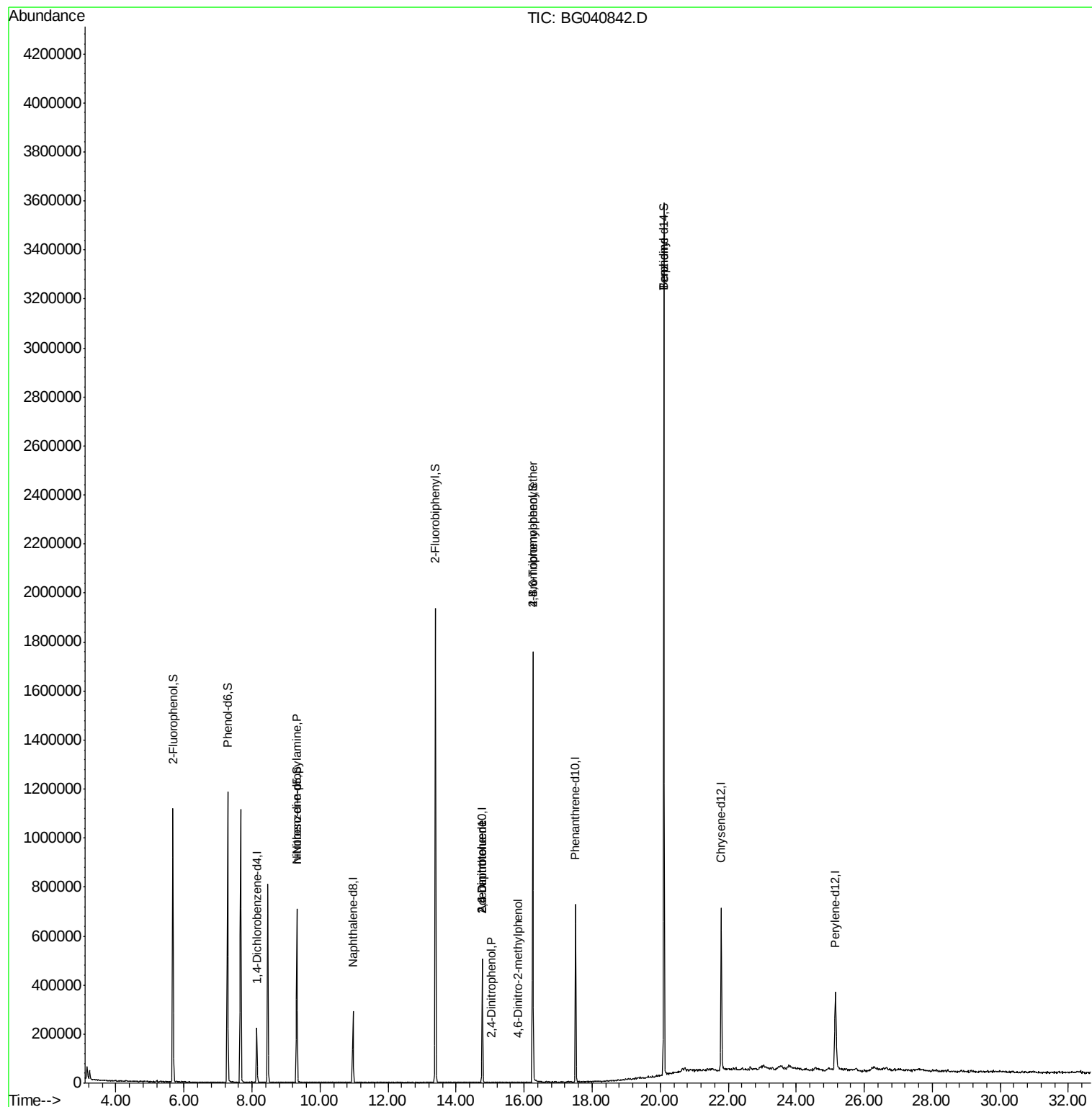
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	57232	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	230525	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	170843	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	426538	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	413723	20.00	ng	-0.03
87) Perylene-d12	25.16	264	407813	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	411388	126.71	ng	-0.01
7) Phenol-d6	7.28	99	599540	119.93	ng	-0.01
23) Nitrobenzene-d5	9.32	82	420688	84.32	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	321538	136.93	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	970727	82.06	ng	-0.02
79) Terphenyl-d14	20.11	244	1670189	89.44	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1438	Below Cal	Qvalue # 6	
19) n-Nitroso-di-n-propylamine	9.32	70	60490	13.442 ng	#	70
51) 2,6-Dinitrotoluene	14.77	165	21248	7.616 ng	#	14
54) 2,4-Dinitrophenol	15.04	184	66	7.053 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	21248	5.605 ng	#	16
65) 4,6-Dinitro-2-methylphenol	15.80	198	54	7.123 ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	23231	4.372 ng	#	1
77) Benzydine	20.11	184	30888	2.727 ng		98

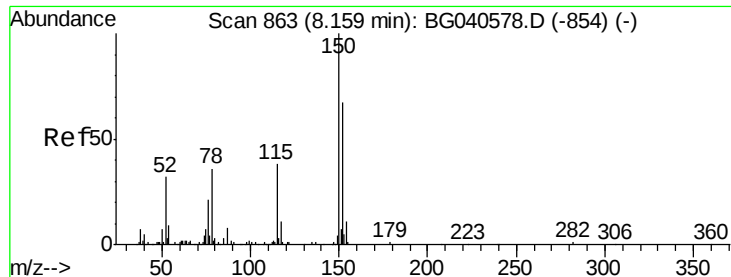
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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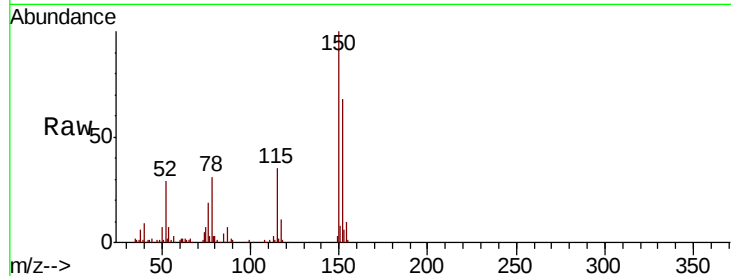


#1

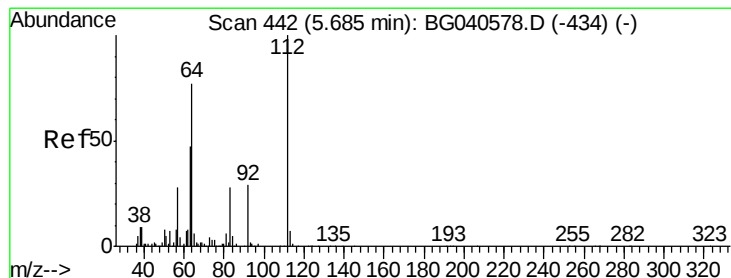
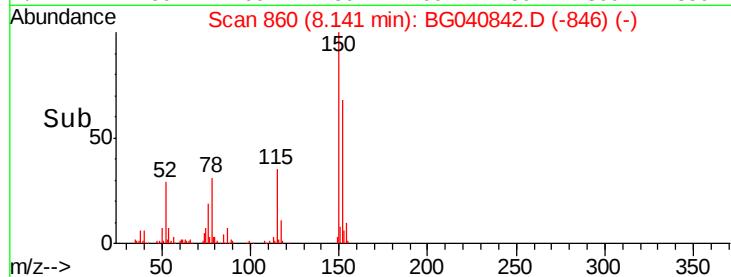
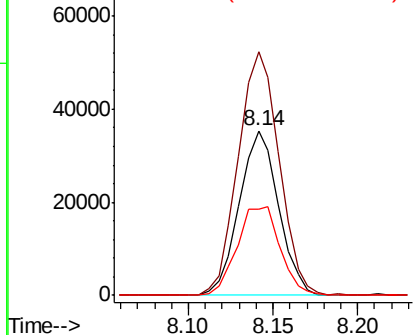
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040842.D
Acq: 10 May 2019 9:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.0	120.2	180.2
115	52.5	46.2	69.2



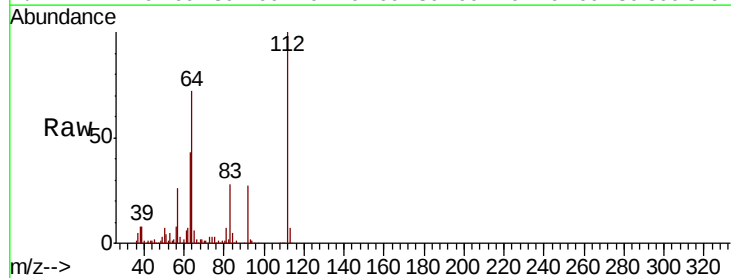
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



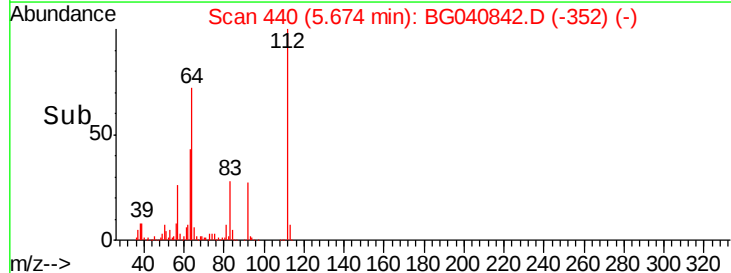
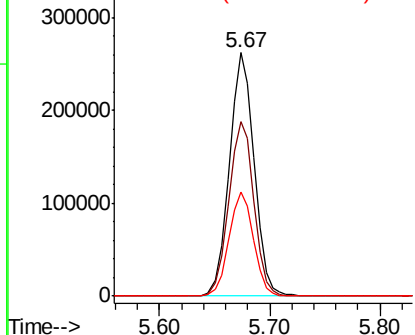
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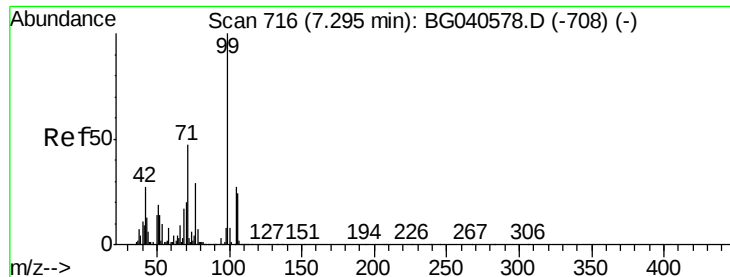
2-Fluorophenol
Concen: 126.709 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040842.D
Acq: 10 May 2019 9:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.6	61.4	92.0
63	42.6	37.8	56.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 119.931 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040842.D

Acq: 10 May 2019 9:01

Instrument :

BNA_G

ClientSampleId :

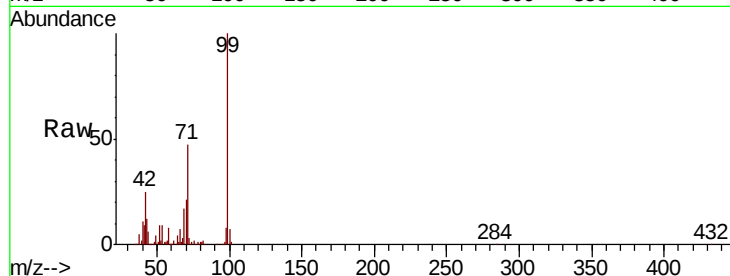
Tot Ion: 99 Resp: 599540

Ion Ratio Lower Upper

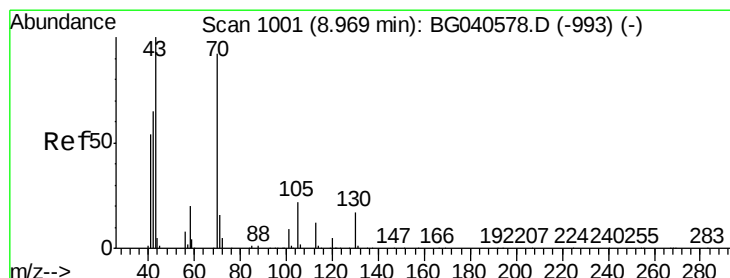
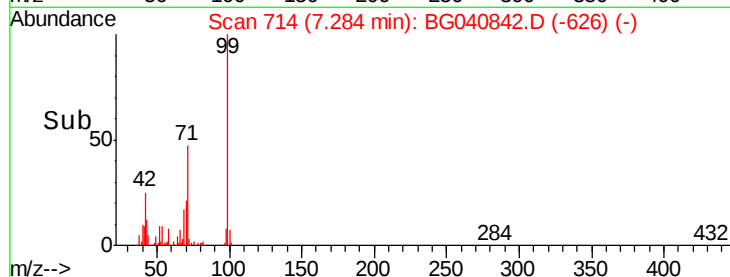
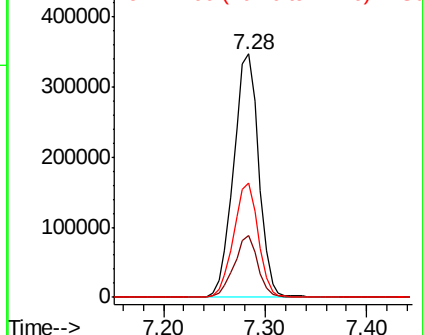
99 100

42 25.4 21.8 32.8

71 47.1 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: 13.442 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040842.D

Acq: 10 May 2019 9:01

Tgt Ion: 70 Resp: 60490

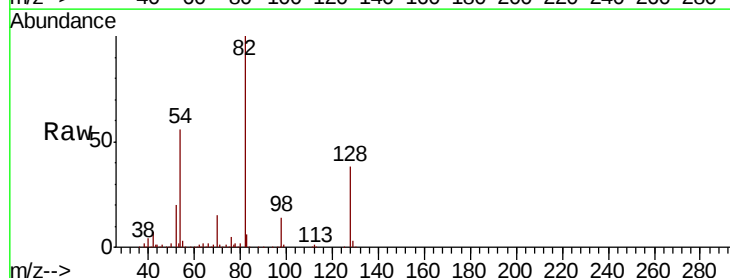
Ion Ratio Lower Upper

70 100

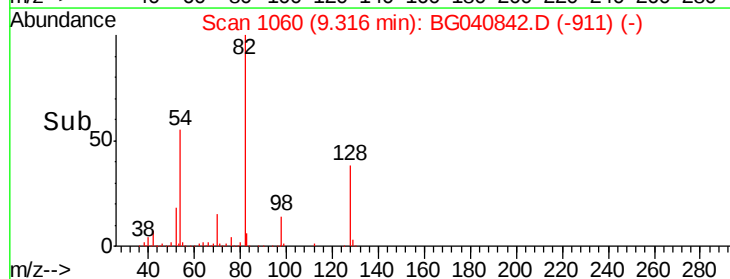
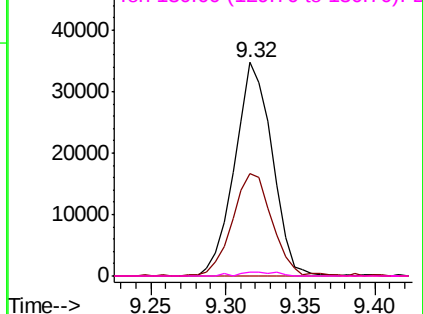
42 48.1 57.1 85.7#

101 0.0 7.8 11.8#

130 1.8 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

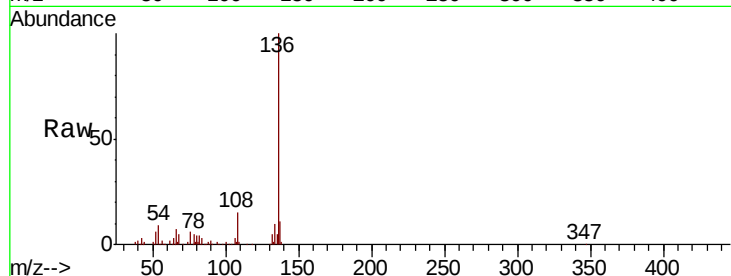




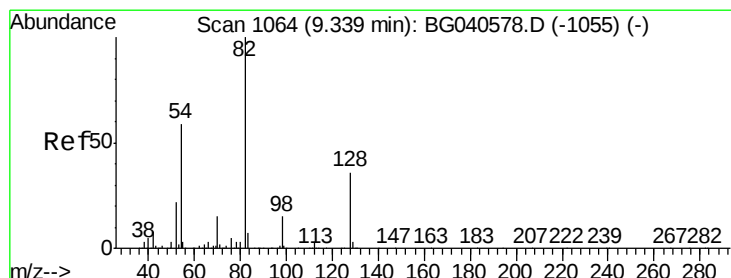
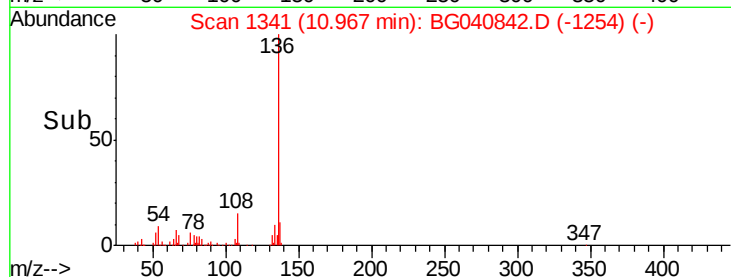
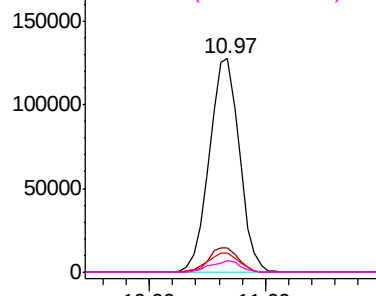
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040842.D
Acq: 10 May 2019 9:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	230525
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.7 14.5
54	9.2	8.6 12.8
68	5.4	4.8 7.2

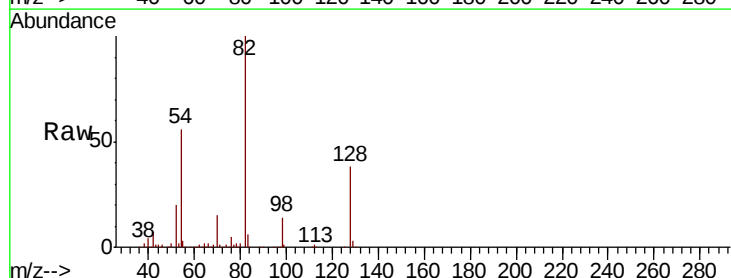


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

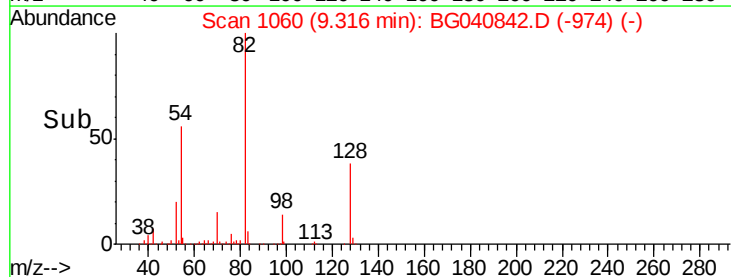
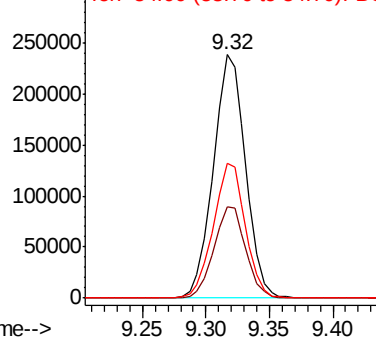


#23
Nitrobenzene-d5
Concen: 84.322 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040842.D
Acq: 10 May 2019 9:01

Tgt Ion: 82	Resp:	420688
Ion Ratio	Lower	Upper
82	100	
128	37.5	28.9 43.3
54	55.6	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: BG040842.D

Acq: 10 May 2019 9:01

Instrument :

BNA_G

ClientSampleId :

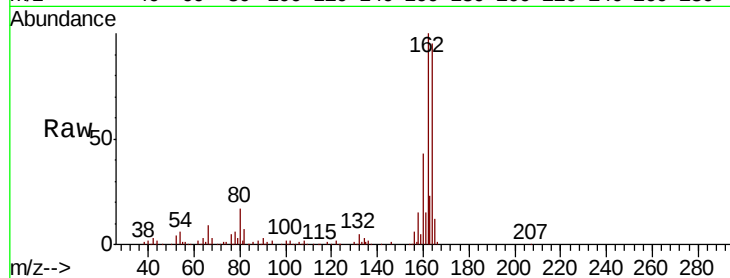
Tot Ion:164 Resp: 170843

Ion Ratio Lower Upper

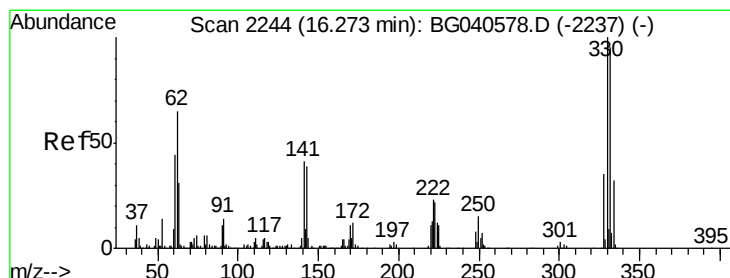
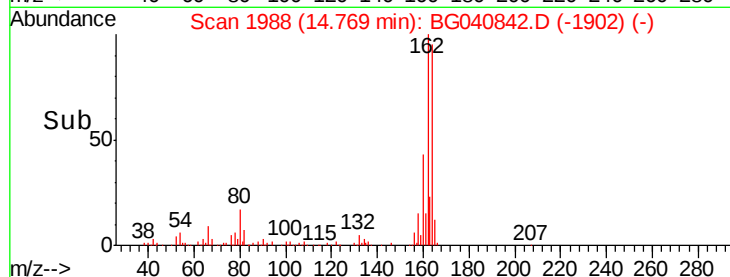
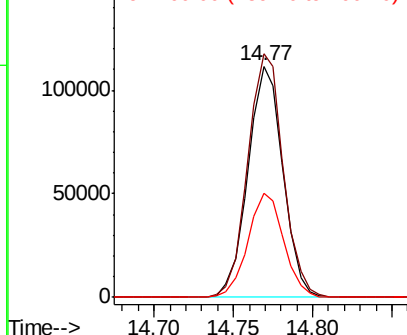
164 100

162 105.3 81.9 122.9

160 44.9 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: 136.925 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040842.D

Acq: 10 May 2019 9:01

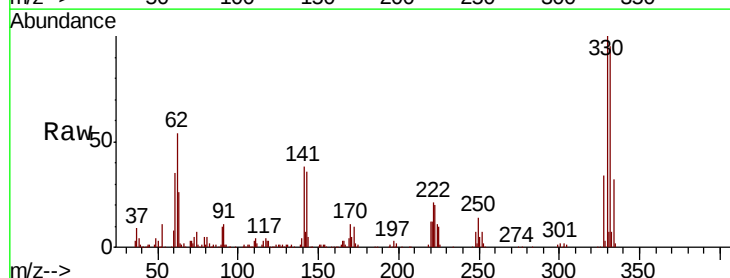
Tgt Ion:330 Resp: 321538

Ion Ratio Lower Upper

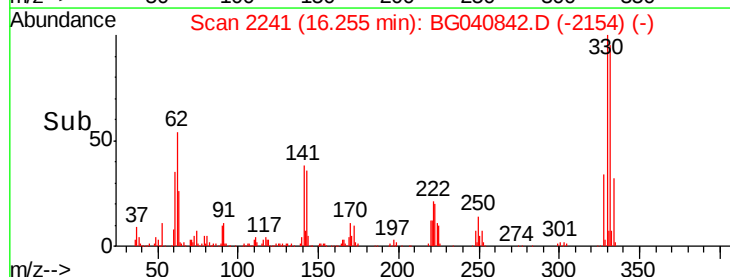
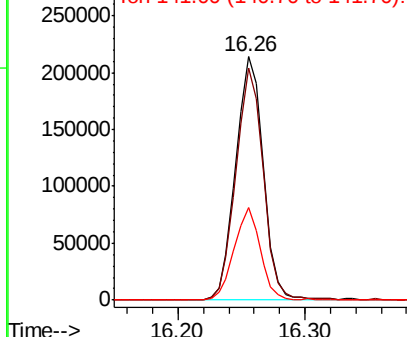
330 100

332 94.8 75.9 113.9

141 35.9 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

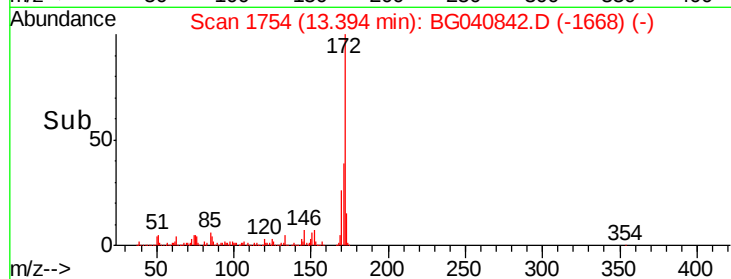
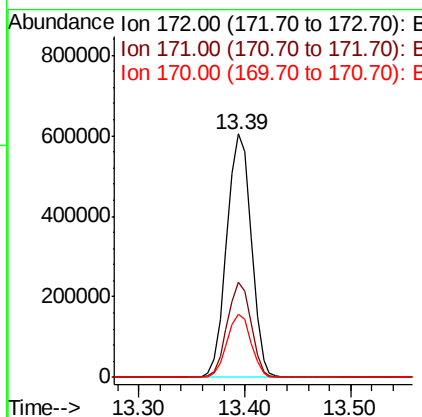
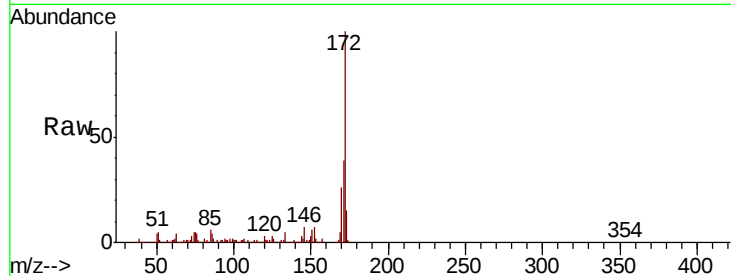




#45
2-Fluorobiphenyl
Concen: 82.059 ng
RT: 13.39 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BG040842.D
Acq: 10 May 2019 9:01

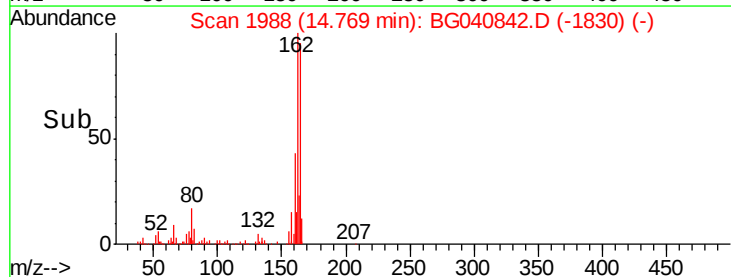
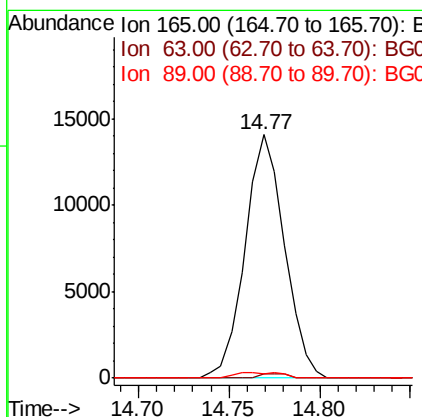
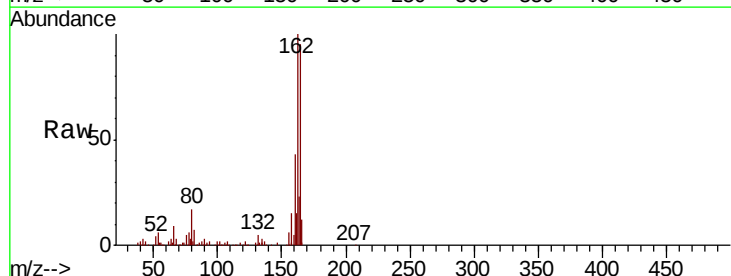
Instrument :
BNA_G
ClientSampleId :

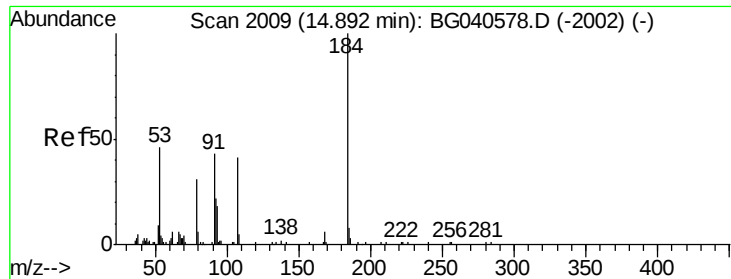
Tot Ion	Ratio	Lower	Upper
172	100		
171	39.0	29.4	44.2
170	26.1	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 7.616 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.40 min
Lab File: BG040842.D
Acq: 10 May 2019 9:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	61.0	91.4#
89	1.7	58.6	87.8#

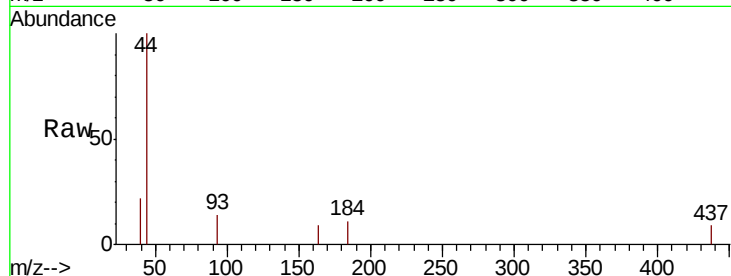




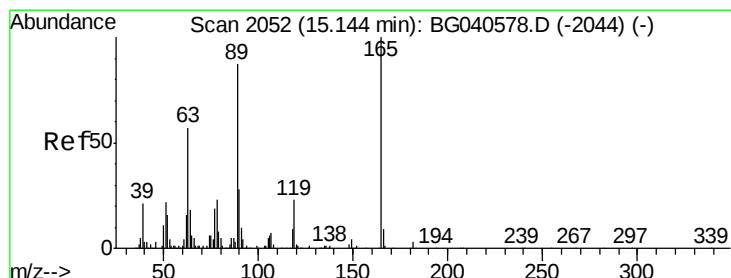
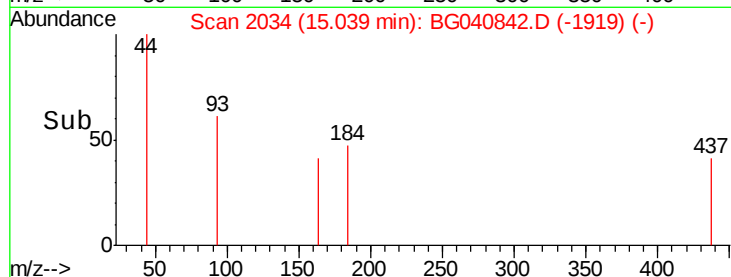
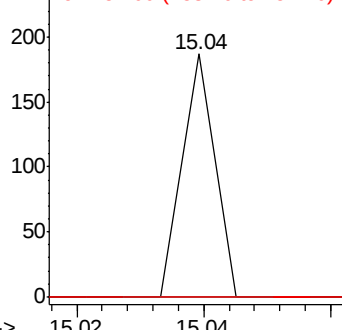
#54
2,4-Dinitrophenol
Concen: 7.053 ng
RT: 15.04 min Scan# 2034
Delta R.T. 0.15 min
Lab File: BG040842.D
Acq: 10 May 2019 9:01

Instrument :
BNA_G
ClientSampled :

Tot Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

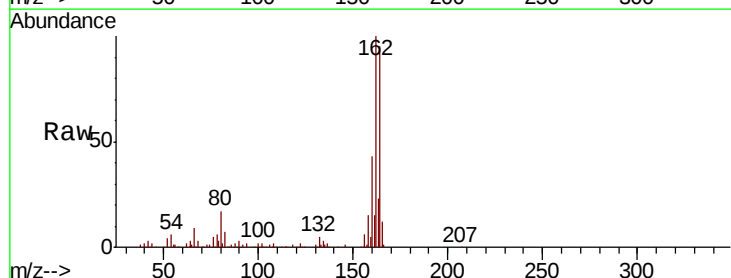


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

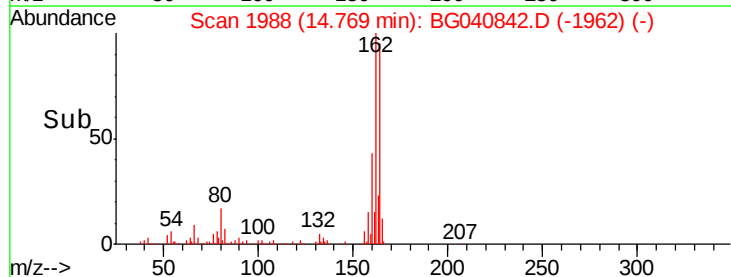
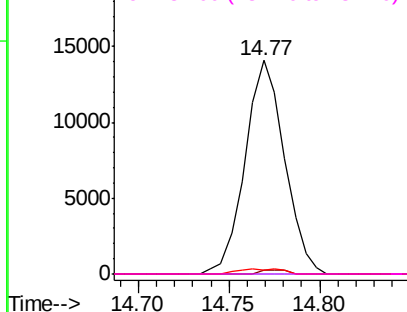


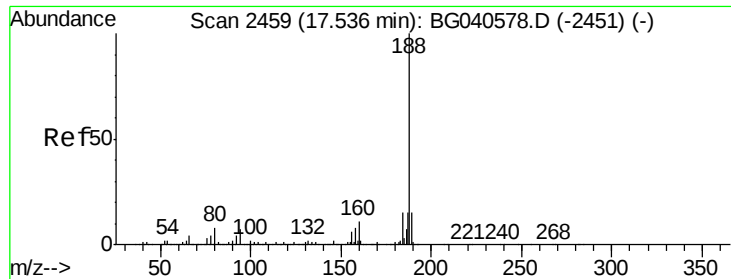
#57
2,4-Dinitrotoluene
Concen: 5.605 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.38 min
Lab File: BG040842.D
Acq: 10 May 2019 9:01

Tgt Ion:165 Resp: 21248
Ion Ratio Lower Upper
165 100
63 2.0 45.8 68.8#
89 1.7 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): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

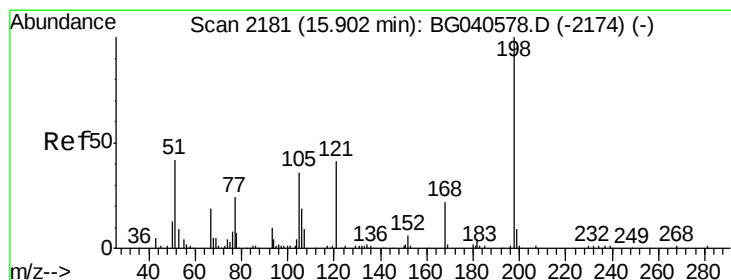
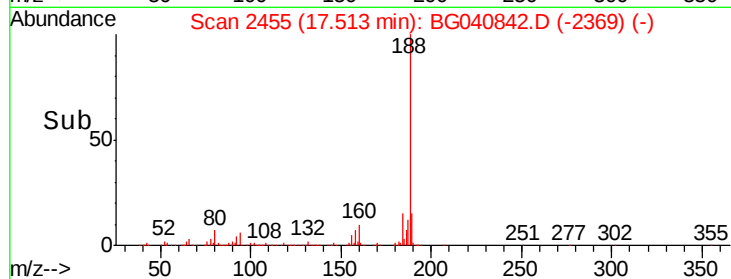
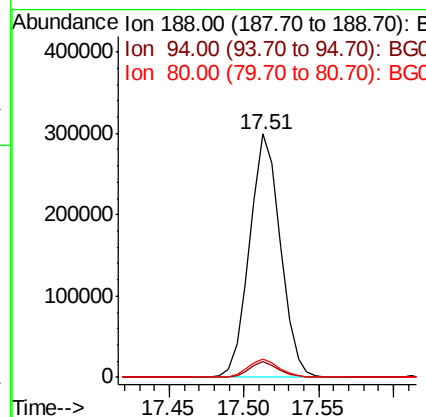
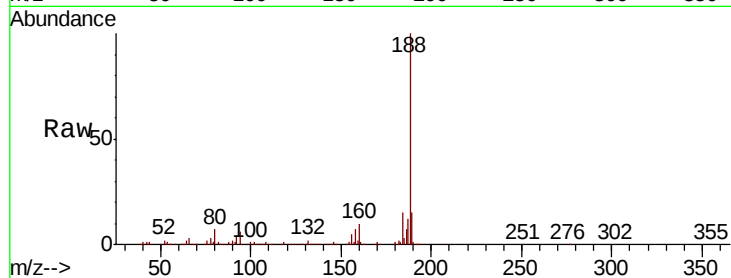




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040842.D
 Acq: 10 May 2019 9:01

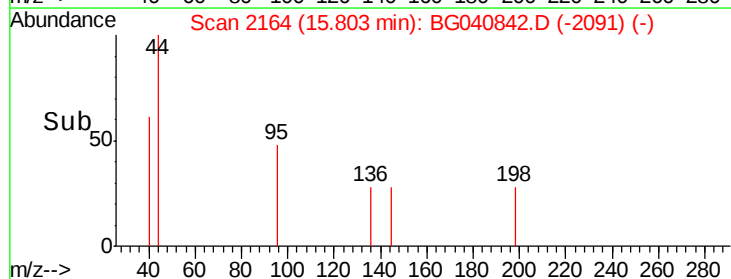
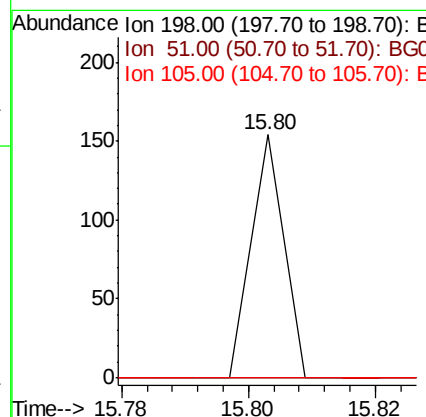
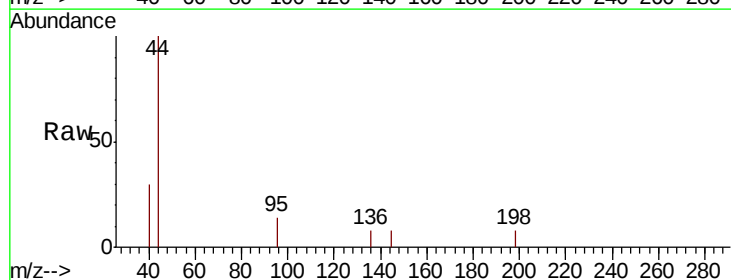
Instrument :
 BNA_G
 ClientSampleId :

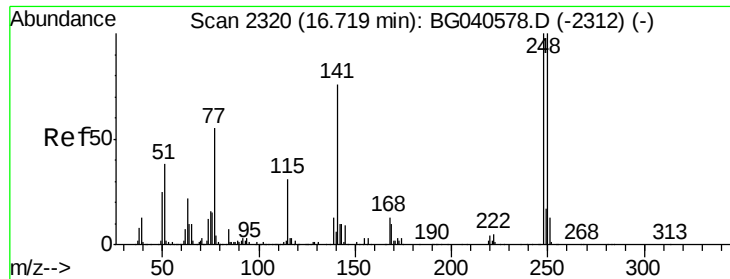
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.2	5.6	8.4
80	7.5	6.4	9.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.123 ng
 RT: 15.80 min Scan# 2164
 Delta R.T. -0.10 min
 Lab File: BG040842.D
 Acq: 10 May 2019 9:01

Tgt Ion	Ratio	Lower	Upper
198	100		
51	0.0	35.9	75.9#
105	0.0	21.2	61.2#

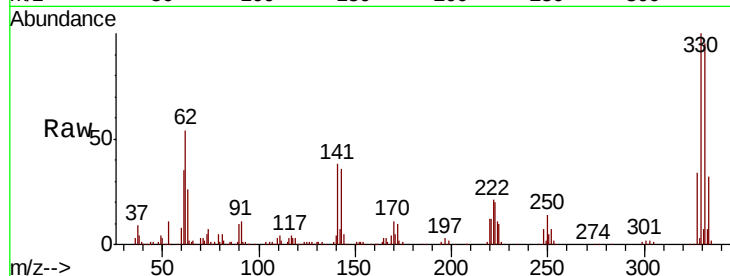




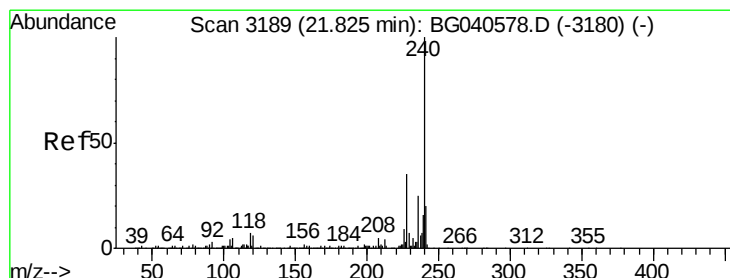
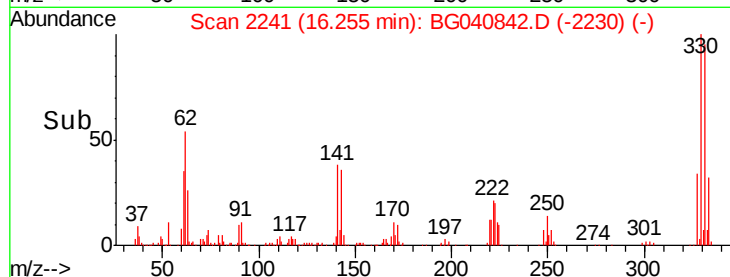
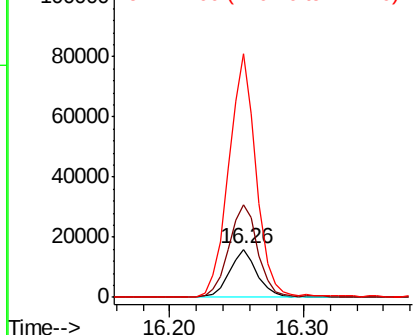
#67
 4-Bromophenyl-phenylether
 Concen: 4.372 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040842.D
 Acq: 10 May 2019 9:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 23231
 Ion Ratio Lower Upper
 248 100
 250 252.7 79.8 119.6#
 141 505.5 60.8 91.2#

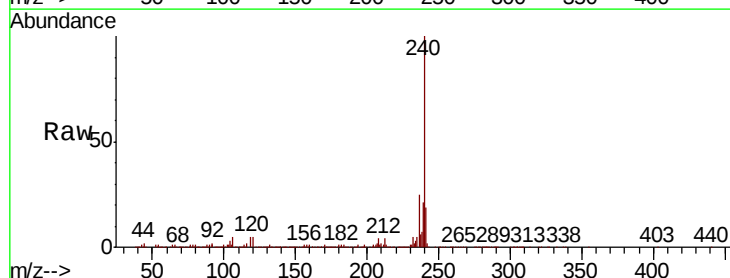


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

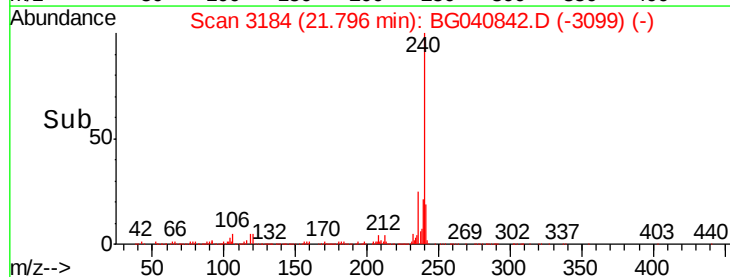
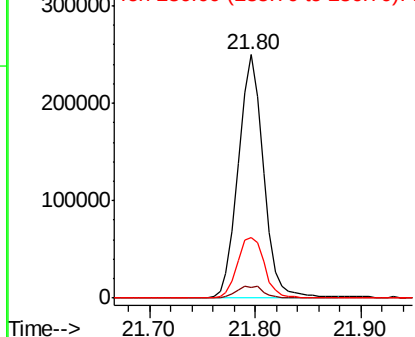


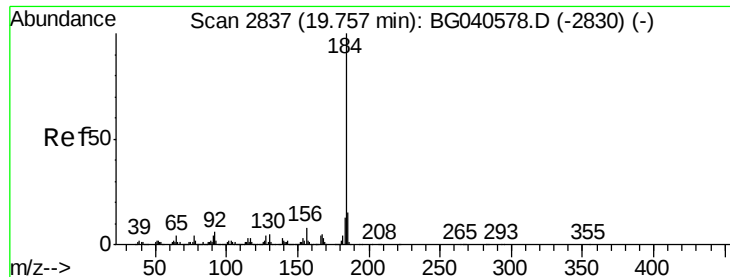
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040842.D
 Acq: 10 May 2019 9:01

Tgt Ion:240 Resp: 413723
 Ion Ratio Lower Upper
 240 100
 120 4.5 5.0 7.6#
 236 25.0 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





#77

Benzidine

Concen: 2.727 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG040842.D

Acq: 10 May 2019 9:01

Instrument :

BNA_G

ClientSampleId :

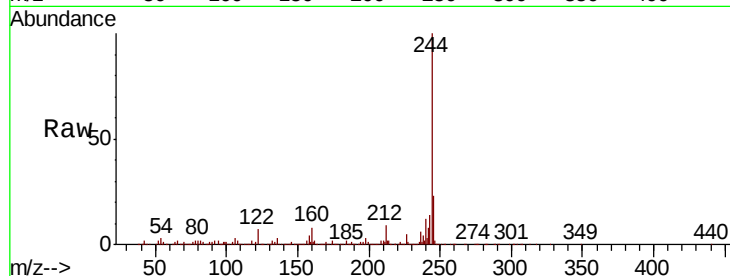
Tot Ion:184 Resp: 30888

Ion Ratio Lower Upper

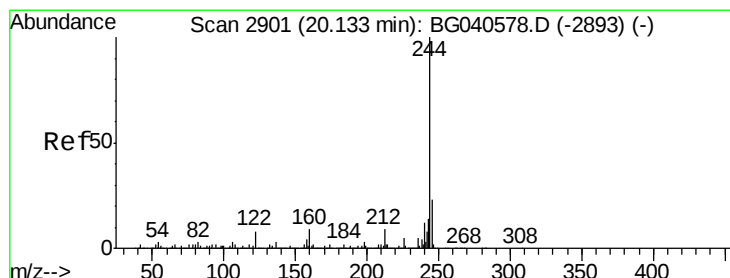
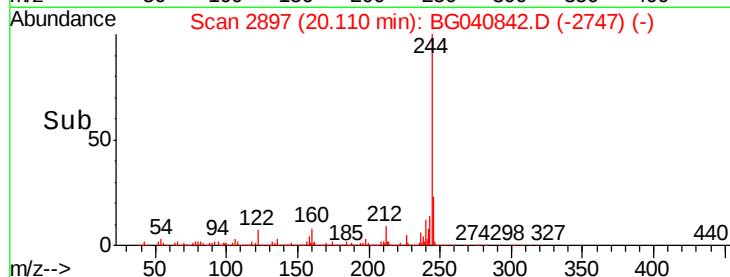
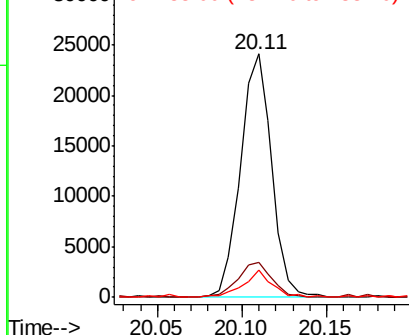
184 100

185 14.3 11.8 17.8

183 11.4 10.2 15.2



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: 89.436 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040842.D

Acq: 10 May 2019 9:01

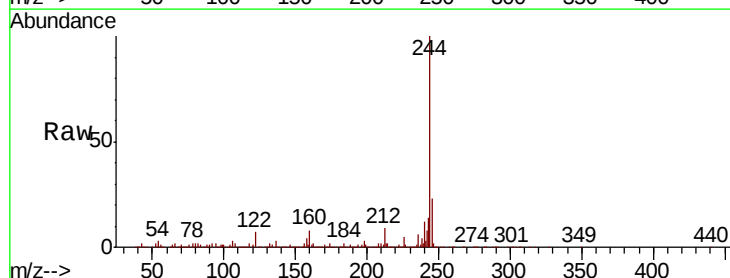
Tgt Ion:244 Resp: 1670189

Ion Ratio Lower Upper

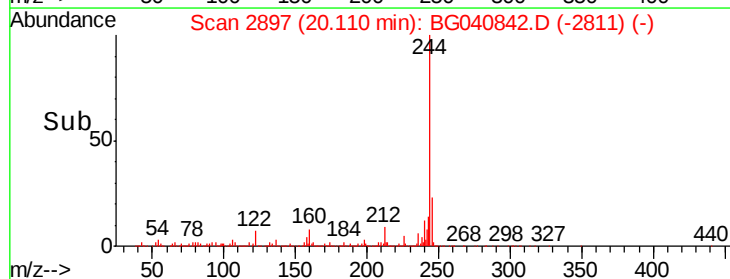
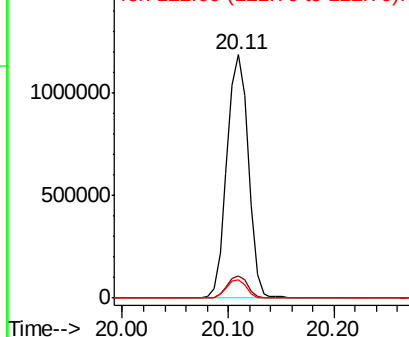
244 100

212 9.3 7.2 10.8

122 7.5 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
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040842.D
Acq: 10 May 2019 9:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	22.4	16.6	25.0

