

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050819\
 Data File : BG040819.D
 Acq On : 9 May 2019 12:45
 Operator : HP/JU
 Sample : K2698-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 09 15:00:54 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	42286	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	167874	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	125580	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	345611	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	338586	20.00	ng	-0.03
87) Perylene-d12	25.14	264	273443	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	335942	140.04	ng	-0.01
7) Phenol-d6	7.28	99	467551	126.59	ng	-0.01
23) Nitrobenzene-d5	9.32	82	397968	109.54	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	302687	175.36	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	870547	100.11	ng	-0.02
79) Terphenyl-d14	20.11	244	1687810	110.44	ng	-0.02

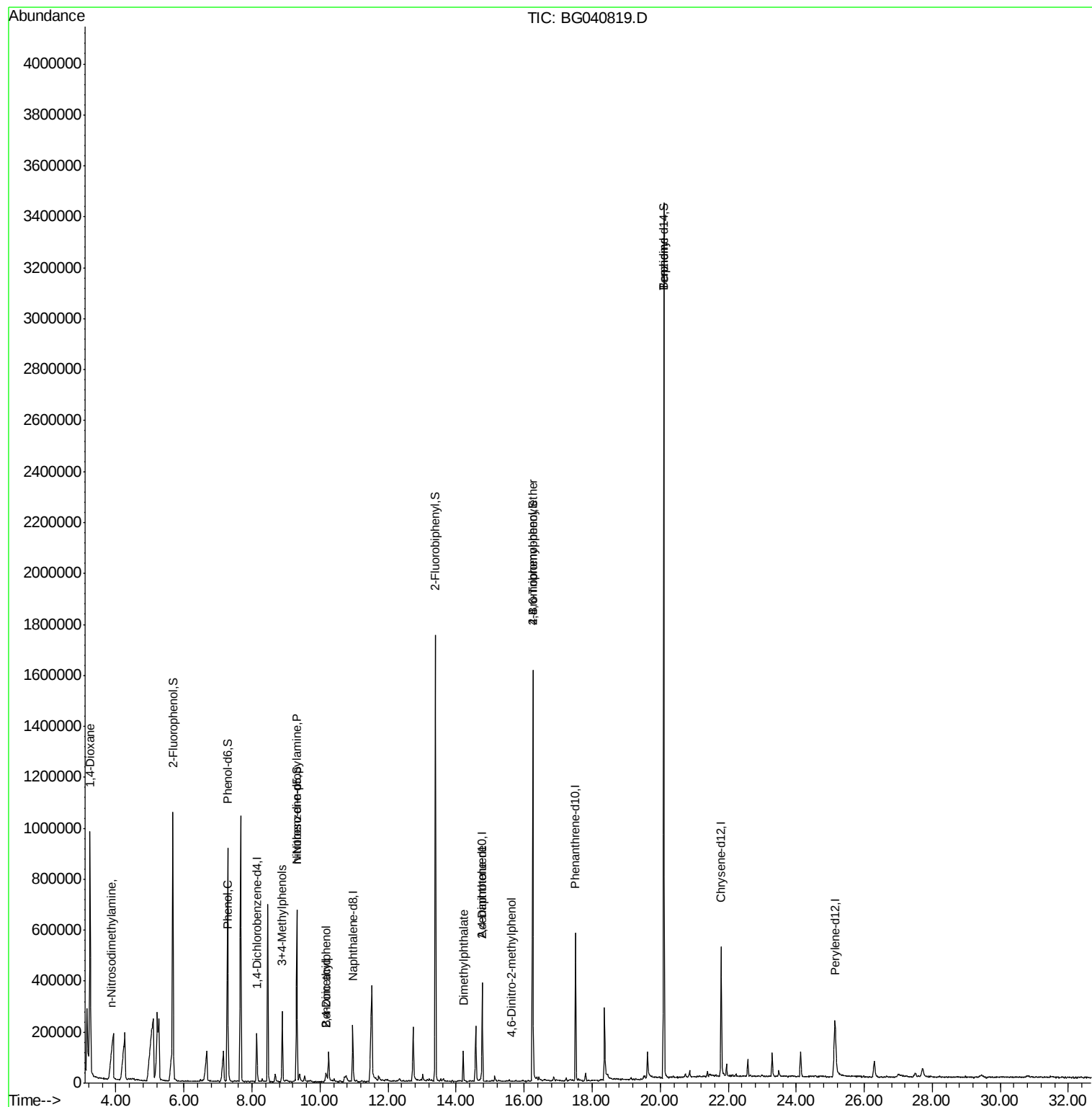
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	7066	6.477	ng	# 1
4) n-Nitrosodimethylamine	3.86	42	9151	5.217	ng	# 12
9) Benzaldehyde	7.27	77	2576	Below Cal		# 29
10) Phenol	7.30	94	31312	7.886	ng	# 86
19) n-Nitroso-di-n-propylamine	9.32	70	58529	17.604	ng	# 75
20) 3+4-Methylphenols	8.89	107	121280	30.984	ng	# 90
27) 2,4-Dimethylphenol	10.18	122	10827	4.153	ng	# 1
32) Benzoic acid	10.18	122	10827	6.066	ng	# 95
50) Dimethylphthalate	14.21	163	71345	6.790	ng	# 99
57) 2,4-Dinitrotoluene	14.77	165	16656	5.977	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.64	198	85	7.144	ng	# 33
67) 4-Bromophenyl-phenylether	16.26	248	22357	5.192	ng	# 1
77) Benzidine	20.11	184	30460	3.286	ng	# 95

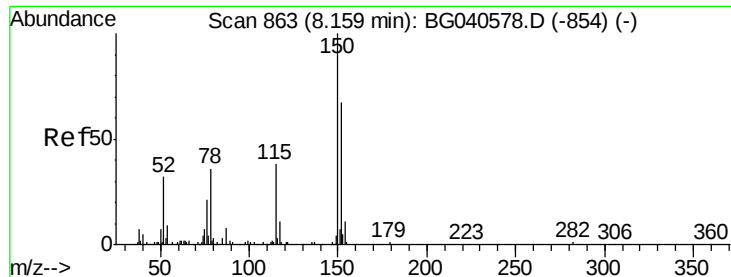
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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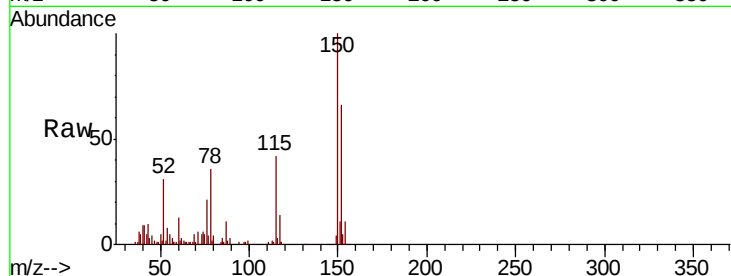


#1

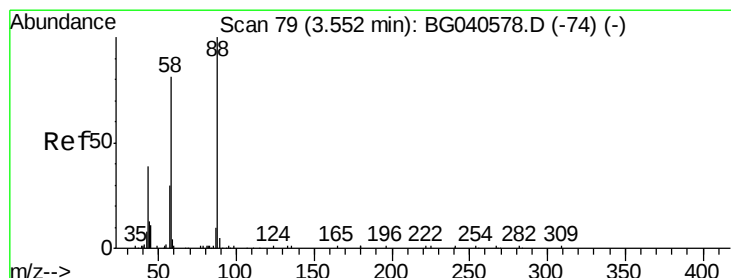
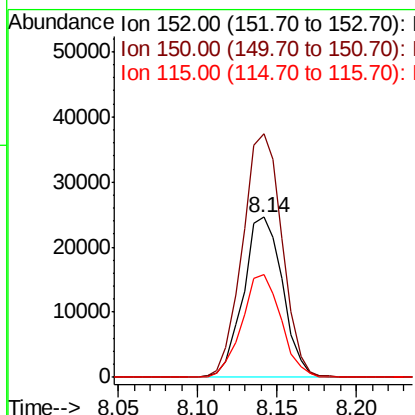
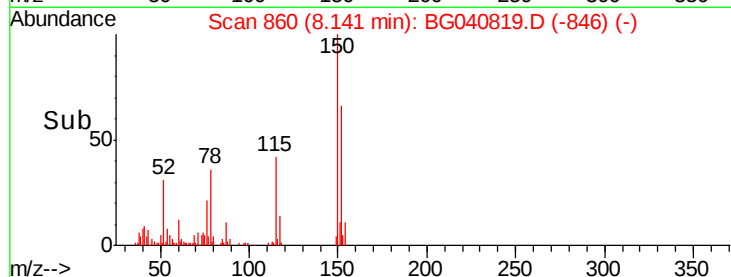
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040819.D
Acq: 9 May 2019 12:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 42286
Ion Ratio Lower Upper
152 100
150 152.0 120.2 180.2
115 64.5 46.2 69.2



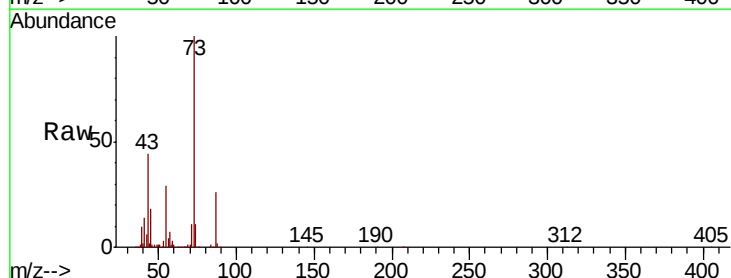
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



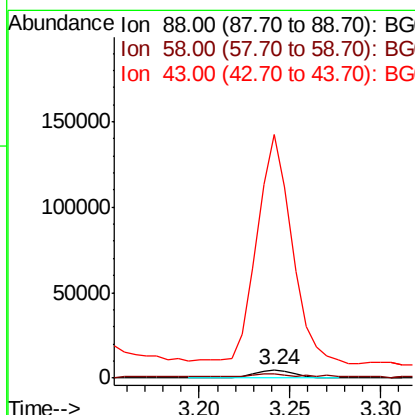
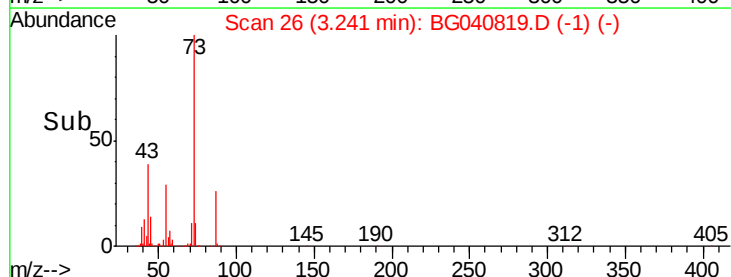
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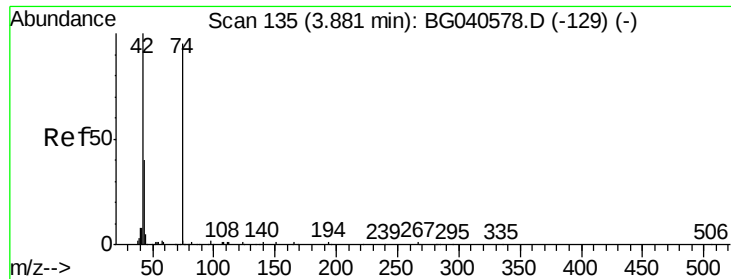
1,4-Dioxane
Concen: 6.477 ng
RT: 3.24 min Scan# 26
Delta R.T. -0.31 min
Lab File: BG040819.D
Acq: 9 May 2019 12:45

Tgt Ion: 88 Resp: 7066
Ion Ratio Lower Upper
88 100
58 43.3 71.2 106.8#
43 2559.0 35.6 53.4#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC



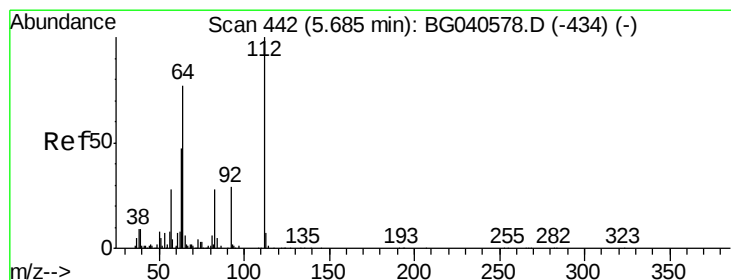
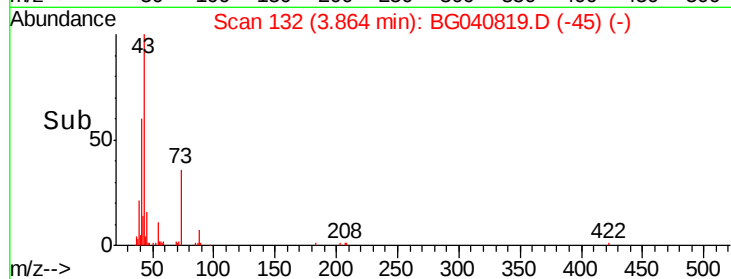
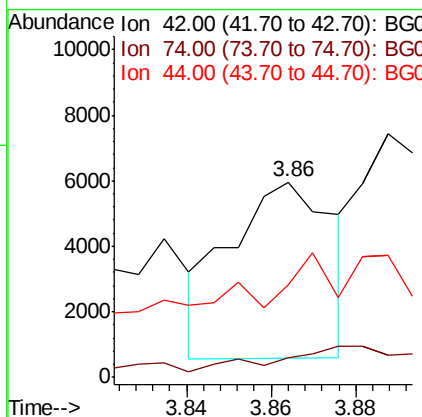
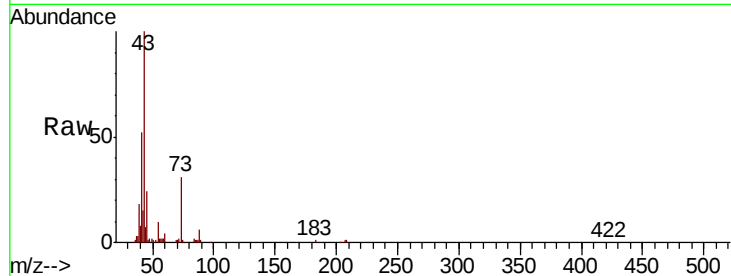


#4

n-Nitrosodimethylamine
 Concen: 5.217 ng
 RT: 3.86 min Scan# 132
 Delta R.T. -0.02 min
 Lab File: BG040819.D
 Acq: 9 May 2019 12:45

Instrument :
 BNA_G
 ClientSampleId :

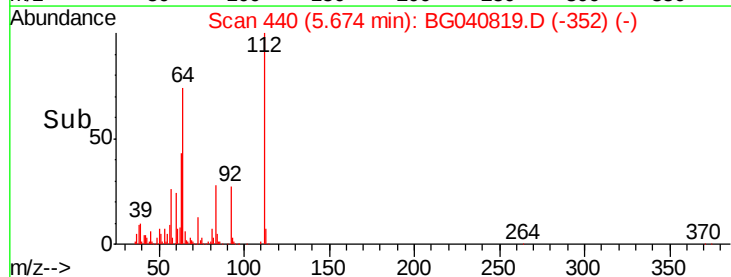
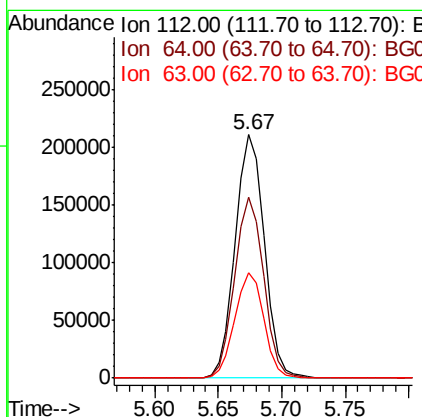
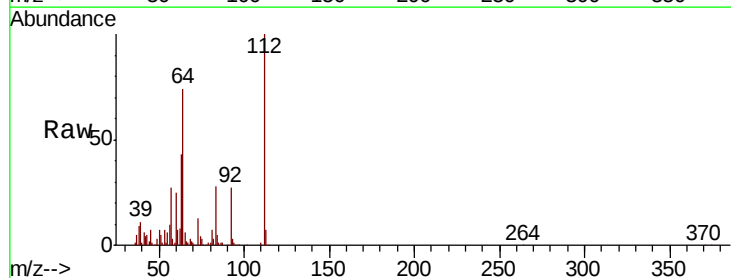
Tot Ion: 42 Resp: 9151
 Ion Ratio Lower Upper
 42 100
 74 9.9 74.6 111.8#
 44 47.2 7.4 11.0#

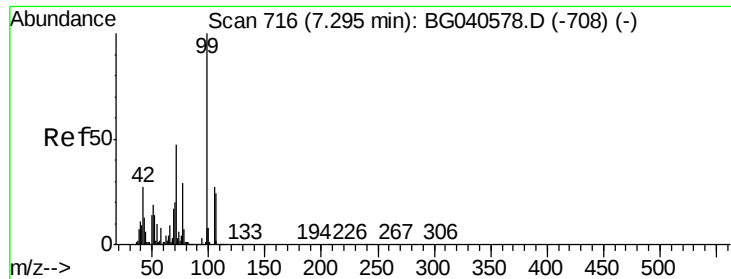


#5

2-Fluorophenol
 Concen: 140.043 ng
 RT: 5.67 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: BG040819.D
 Acq: 9 May 2019 12:45

Tgt Ion: 112 Resp: 335942
 Ion Ratio Lower Upper
 112 100
 64 74.1 61.4 92.0
 63 43.2 37.8 56.6





#7

Phenol-d6

Concen: 126.586 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040819.D

Acq: 9 May 2019 12:45

Instrument :

BNA_G

ClientSampleId :

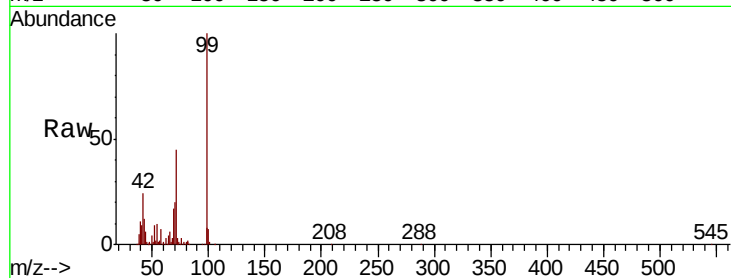
Tot Ion: 99 Resp: 467551

Ion Ratio Lower Upper

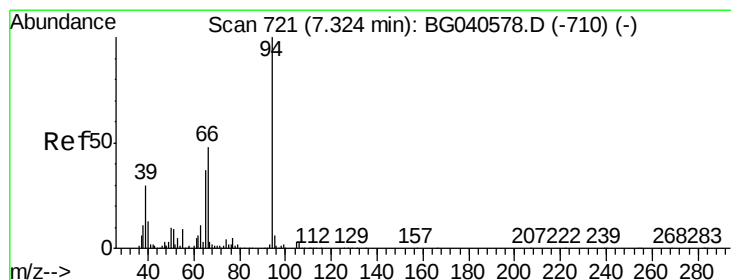
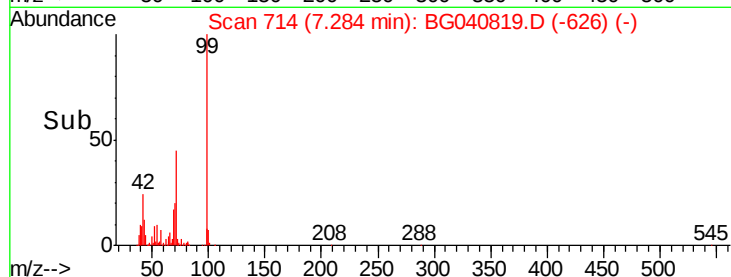
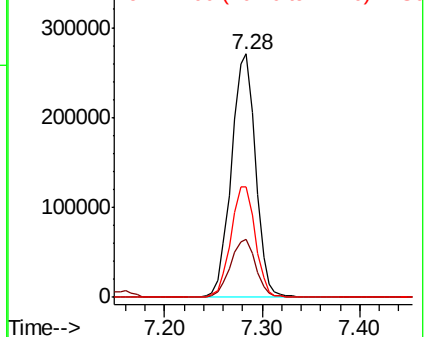
99 100

42 24.0 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



#10

Phenol

Concen: 7.886 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BG040819.D

Acq: 9 May 2019 12:45

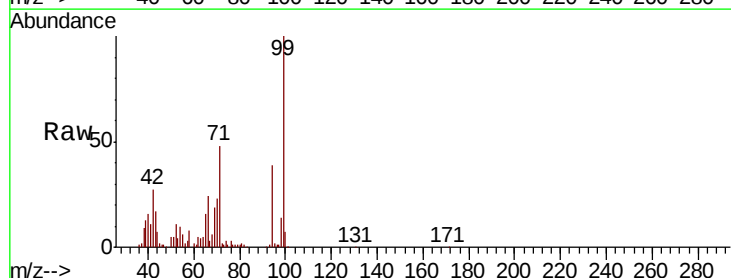
Tgt Ion: 94 Resp: 31312

Ion Ratio Lower Upper

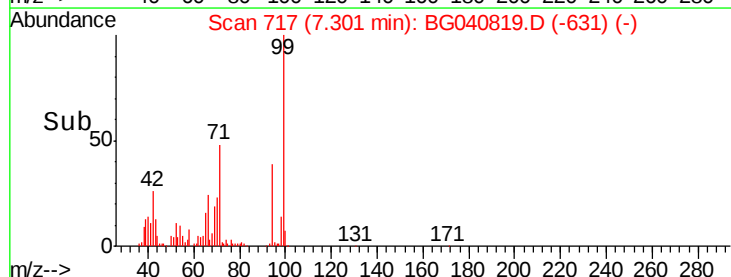
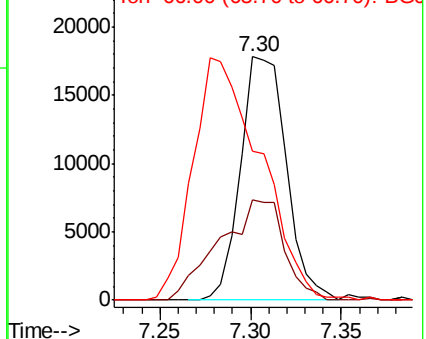
94 100

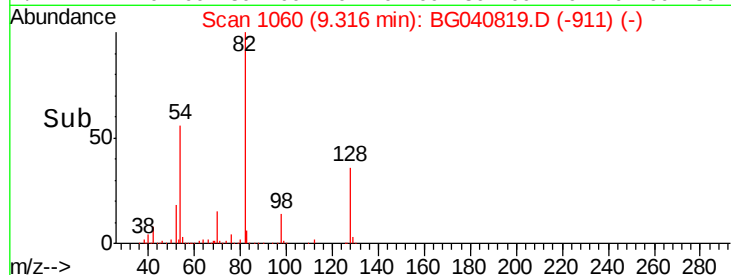
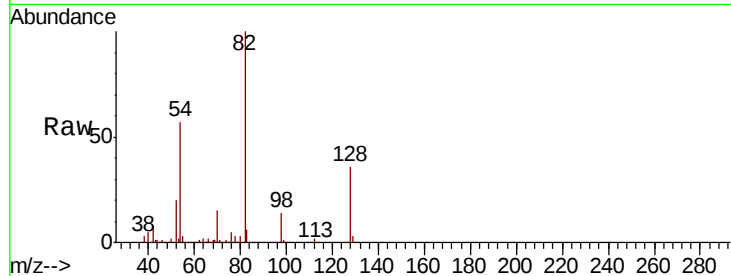
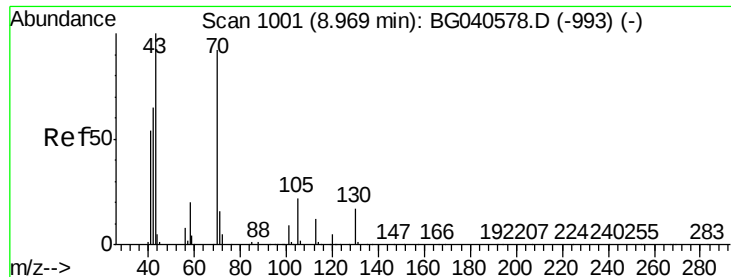
65 41.2 17.0 57.0

66 61.3 28.6 68.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

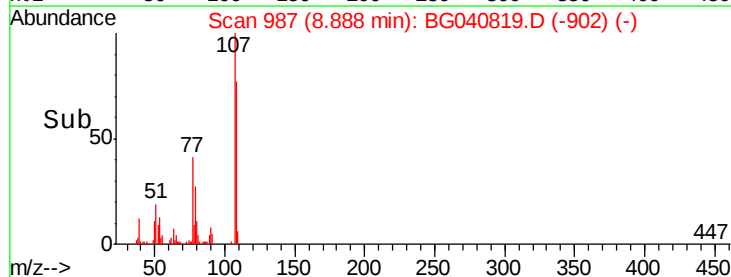
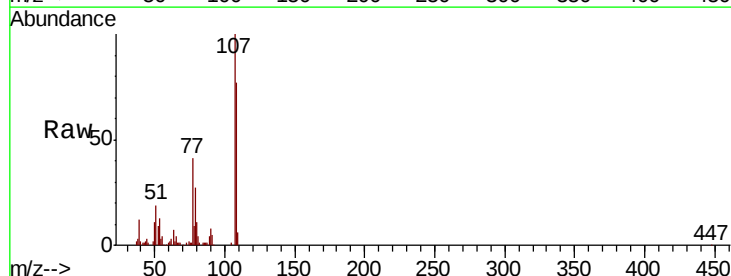
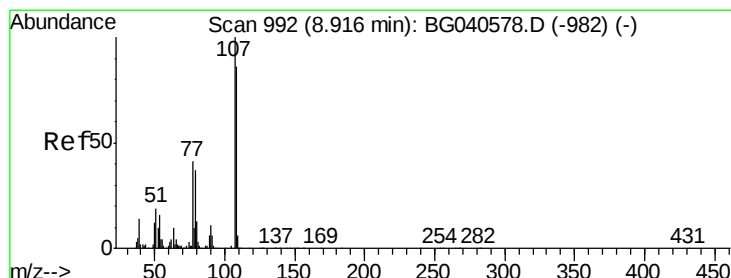
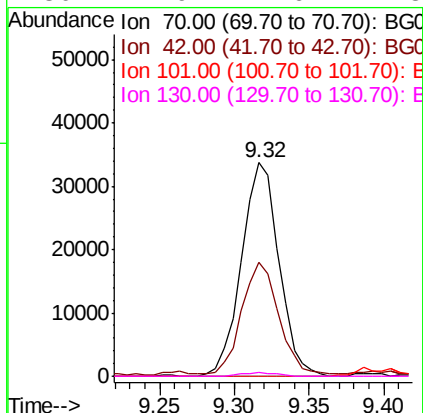




#19
n-Nitroso-di-n-propylamine
Concen: 17.604 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040819.D
Acq: 9 May 2019 12:45

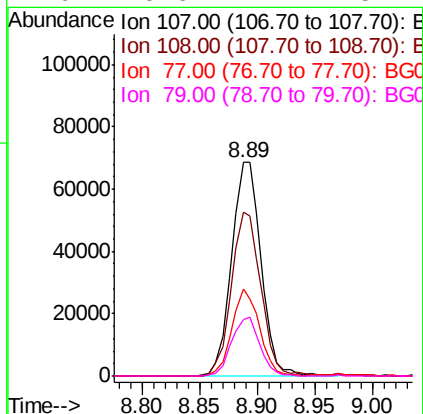
Instrument :
BNA_G
ClientSampleId :

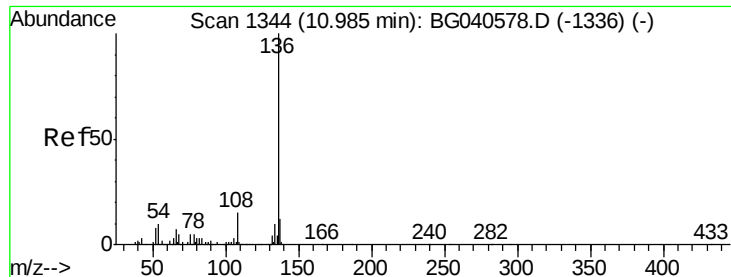
Tot Ion	Ratio	Lower	Upper
70	100		
42	53.1	57.1	85.7#
101	0.0	7.8	11.8#
130	1.9	14.6	21.8#



#20
3+4-Methylphenols
Concen: 30.984 ng
RT: 8.89 min Scan# 987
Delta R.T. -0.03 min
Lab File: BG040819.D
Acq: 9 May 2019 12:45

Tgt Ion	Ratio	Lower	Upper
107	100		
108	76.8	66.1	106.1
77	40.8	21.6	61.6
79	26.6	17.4	57.4

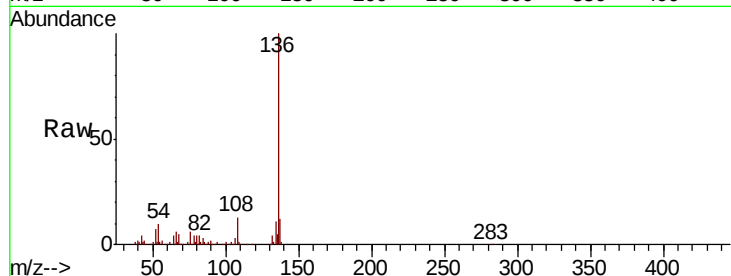




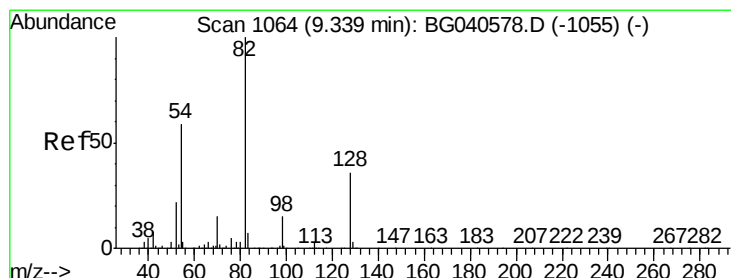
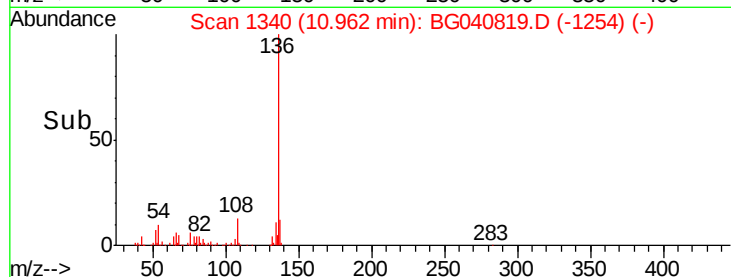
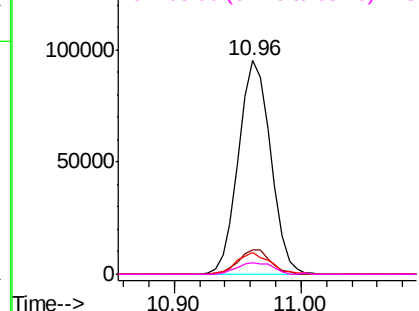
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040819.D
Acq: 9 May 2019 12:45

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	167874
Ion	Ratio	Lower Upper
136	100	
137	11.7	9.7 14.5
54	10.1	8.6 12.8
68	5.2	4.8 7.2

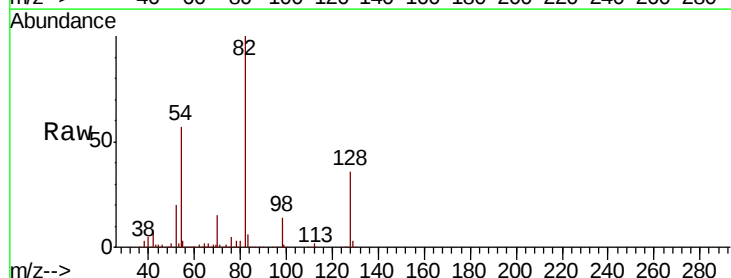


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

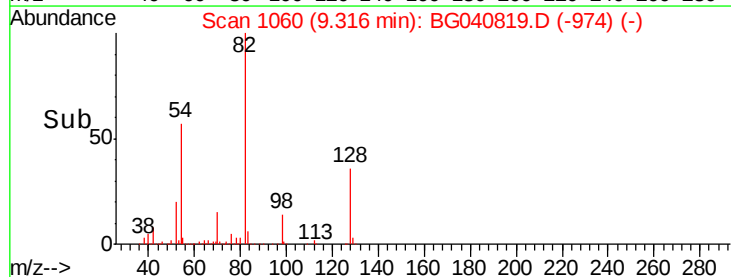
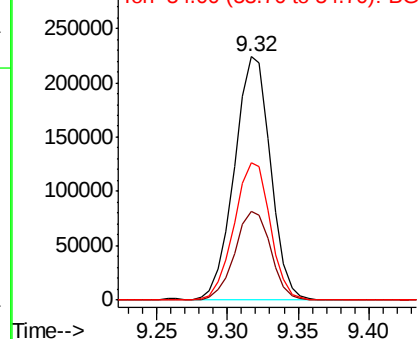


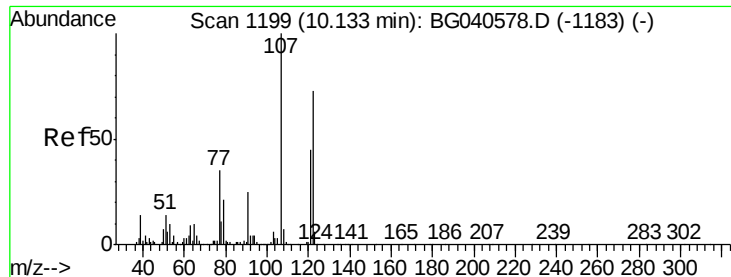
#23
Nitrobenzene-d5
Concen: 109.538 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040819.D
Acq: 9 May 2019 12:45

Tgt Ion: 82	Resp:	397968
Ion	Ratio	Lower Upper
82	100	
128	36.4	28.9 43.3
54	56.6	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

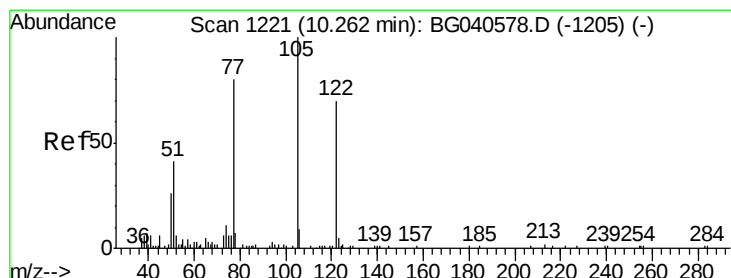
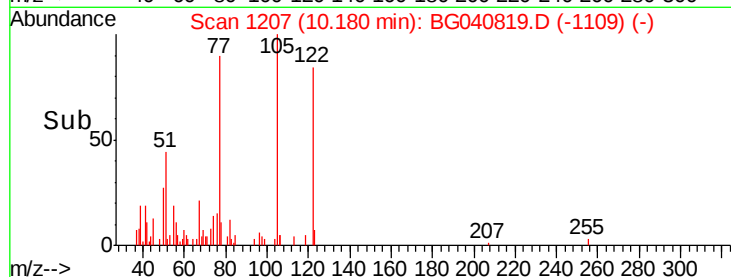
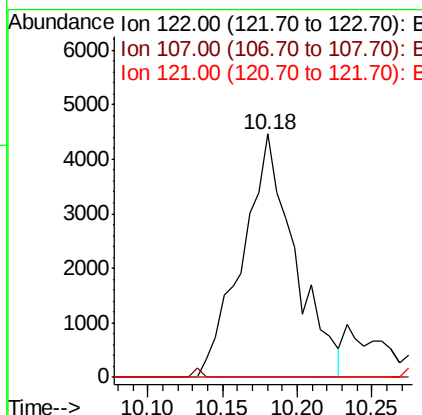
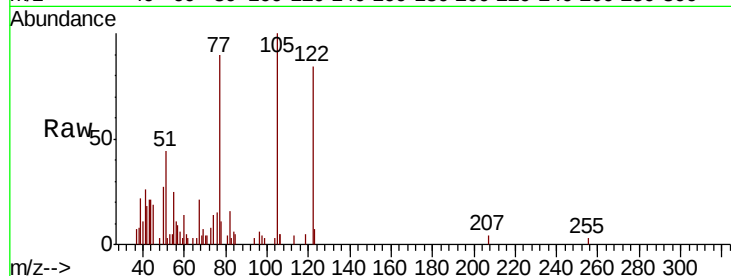




#27
2,4-Dimethylphenol
Concen: 4.153 ng
RT: 10.18 min Scan# 1207
Delta R.T. 0.05 min
Lab File: BG040819.D
Acq: 9 May 2019 12:45

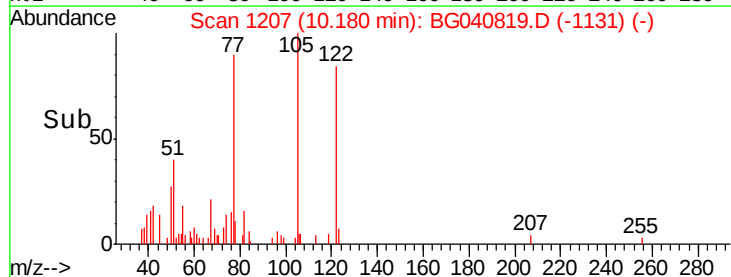
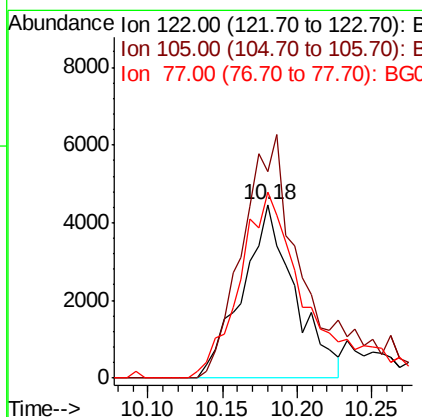
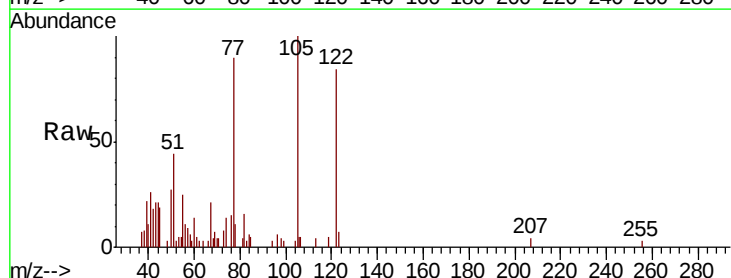
Instrument :
BNA_G
ClientSampleId :

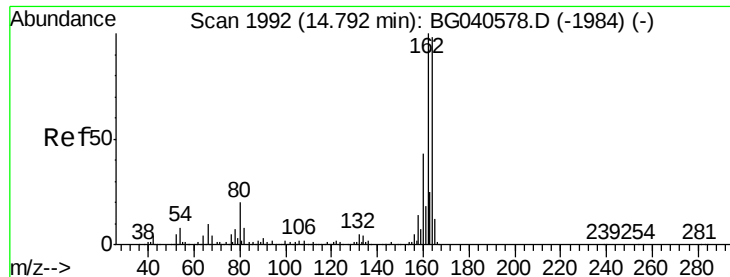
Tot Ion	Ratio	Lower	Upper
122	100		
107	0.0	110.1	165.1#
121	0.0	49.4	74.0#



#32
Benzoic acid
Concen: 6.066 ng
RT: 10.18 min Scan# 1207
Delta R.T. -0.08 min
Lab File: BG040819.D
Acq: 9 May 2019 12:45

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.3	110.9	150.9
77	107.6	87.6	127.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040819.D

Acq: 9 May 2019 12:45

Instrument :

BNA_G

ClientSampleId :

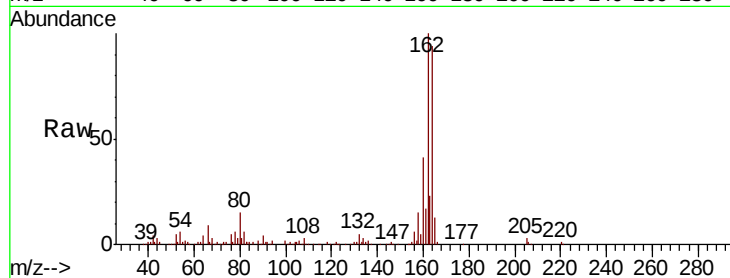
Tot Ion:164 Resp: 125580

Ion Ratio Lower Upper

164 100

162 106.2 81.9 122.9

160 43.3 35.4 53.2

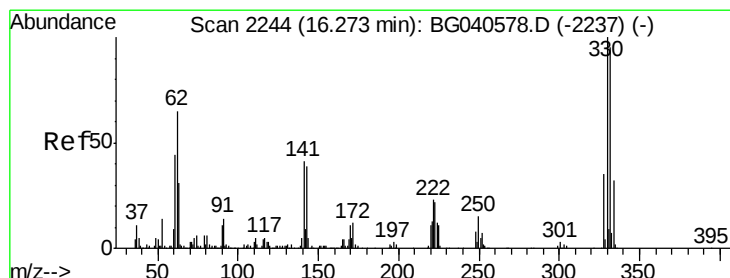
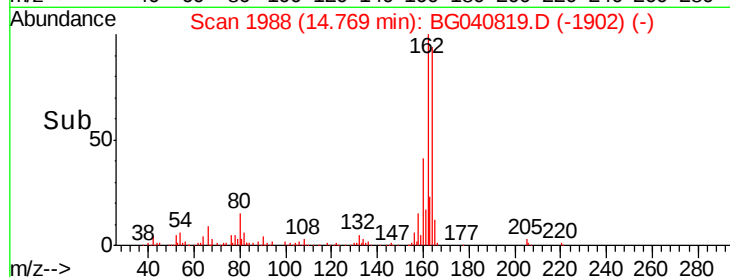
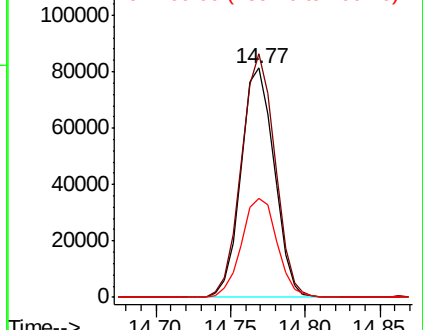


Abundance

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: 175.356 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040819.D

Acq: 9 May 2019 12:45

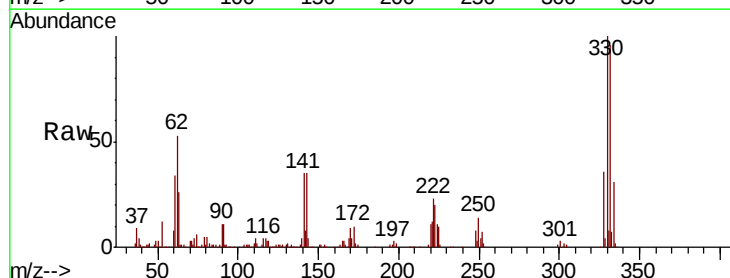
Tgt Ion:330 Resp: 302687

Ion Ratio Lower Upper

330 100

332 94.2 75.9 113.9

141 36.9 32.4 48.6

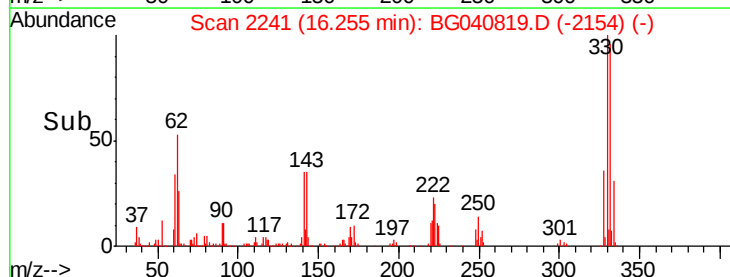
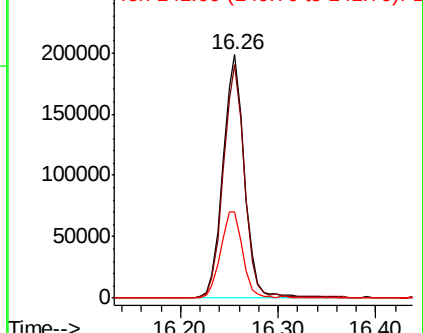


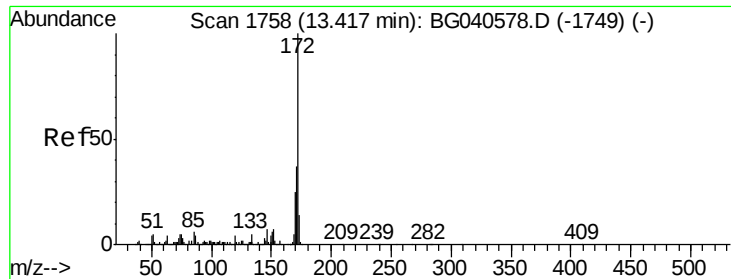
Abundance

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

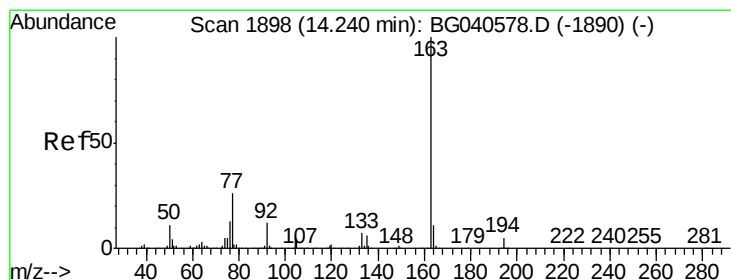
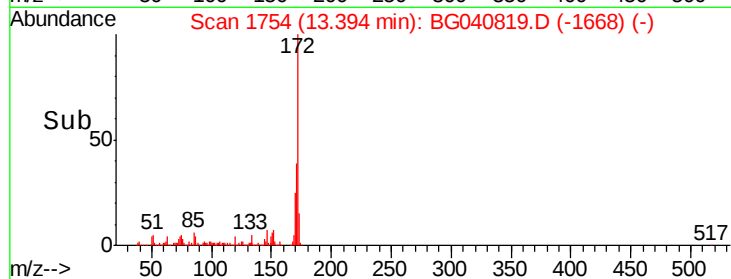
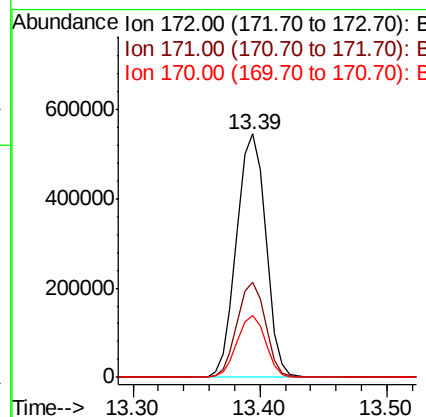
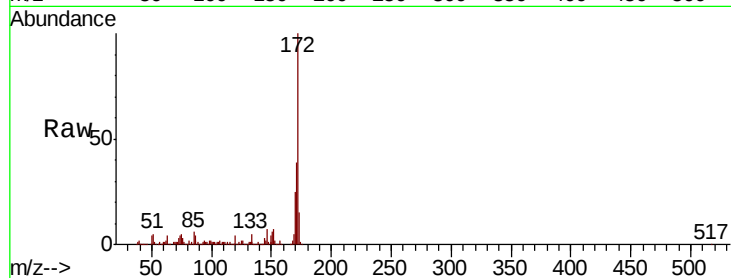




#45
2-Fluorobiphenyl
Concen: 100.115 ng
RT: 13.39 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BG040819.D
Acq: 9 May 2019 12:45

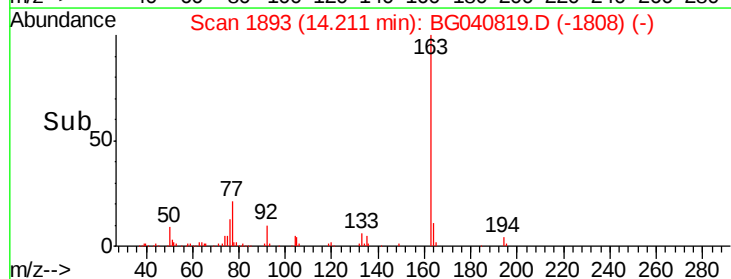
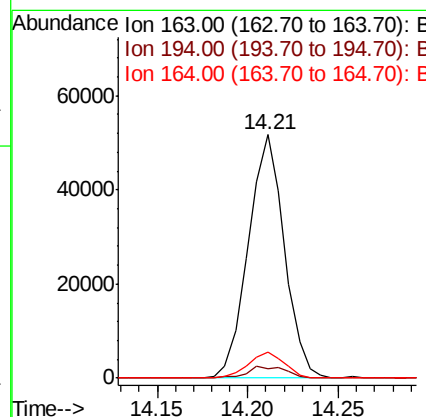
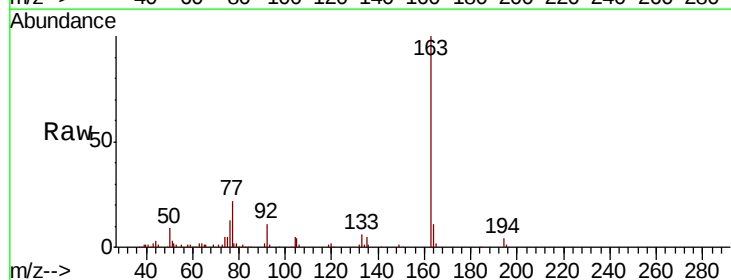
Instrument :
BNA_G
ClientSampleId :

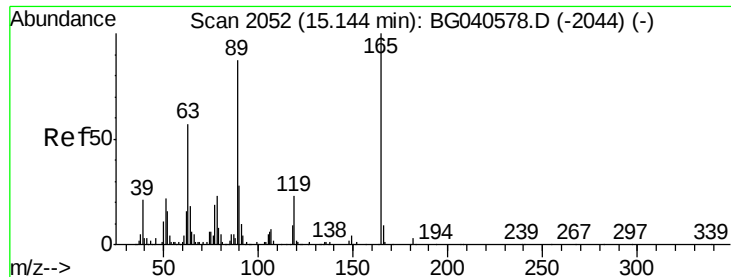
Tot Ion	Ratio	Lower	Upper
172	100		
171	39.2	29.4	44.2
170	25.2	19.9	29.9



#50
Dimethylphthalate
Concen: 6.790 ng
RT: 14.21 min Scan# 1893
Delta R.T. -0.03 min
Lab File: BG040819.D
Acq: 9 May 2019 12:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.8	5.8
164	10.9	8.8	13.2





#57

2,4-Dinitrotoluene

Concen: 5.977 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040819.D

Acq: 9 May 2019 12:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 16656

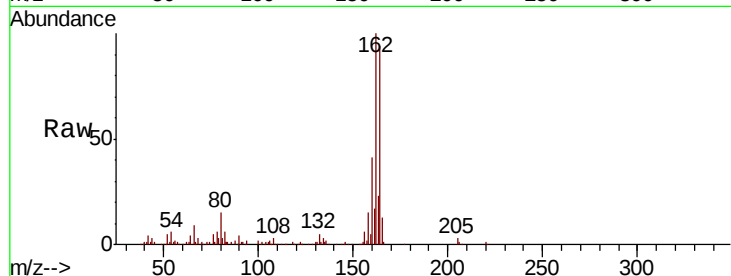
Ion Ratio Lower Upper

165 100

63 4.2 45.8 68.8#

89 3.3 69.4 104.2#

182 0.0 2.2 3.4#

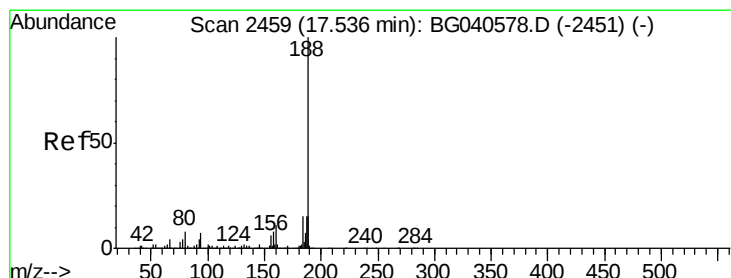
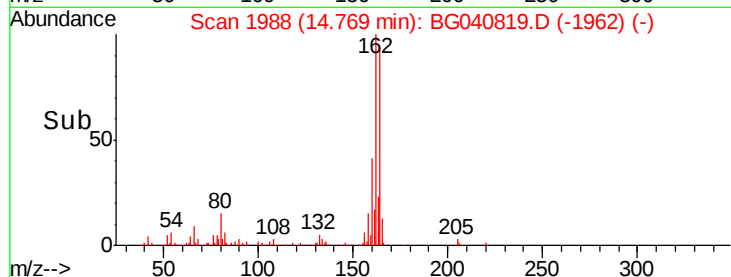
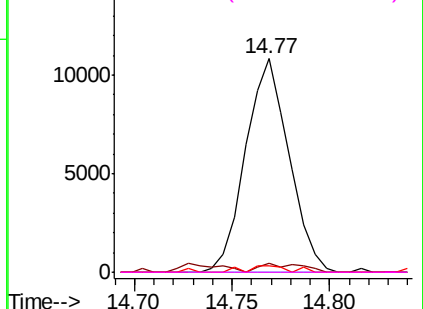


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG040819.D

Acq: 9 May 2019 12:45

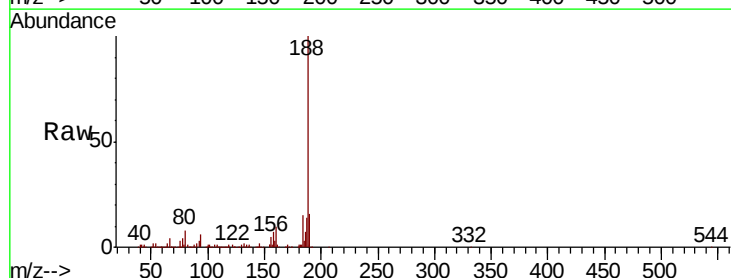
Tgt Ion:188 Resp: 345611

Ion Ratio Lower Upper

188 100

94 6.3 5.6 8.4

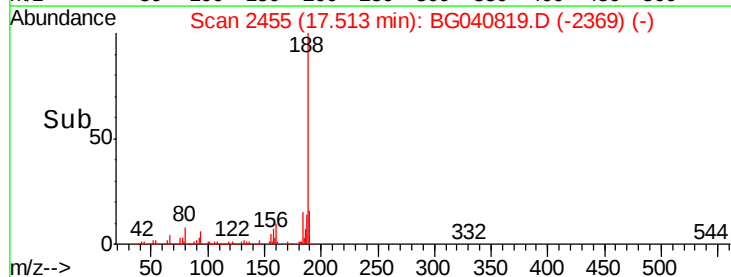
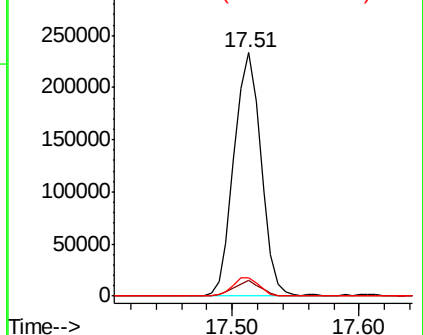
80 7.7 6.4 9.6

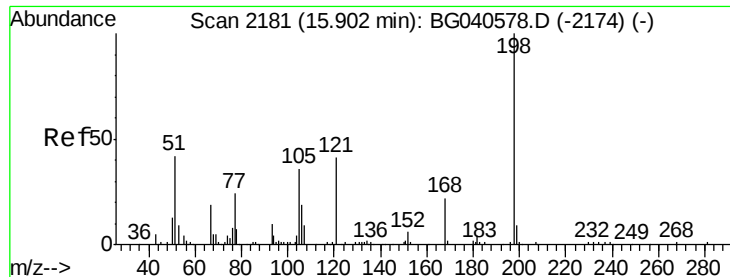


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.144 ng

RT: 15.64 min Scan# 2137

Delta R.T. -0.26 min

Lab File: BG040819.D

Acq: 9 May 2019 12:45

Instrument :

BNA_G

ClientSampled :

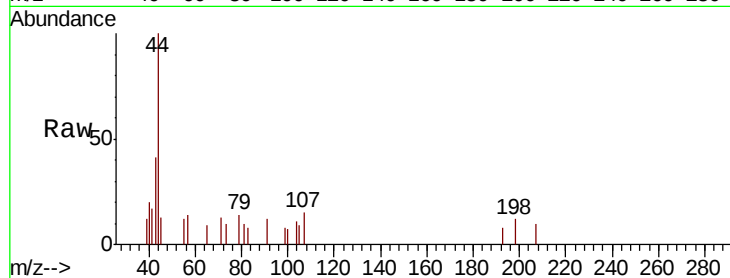
Tot Ion:198 Resp: 85

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

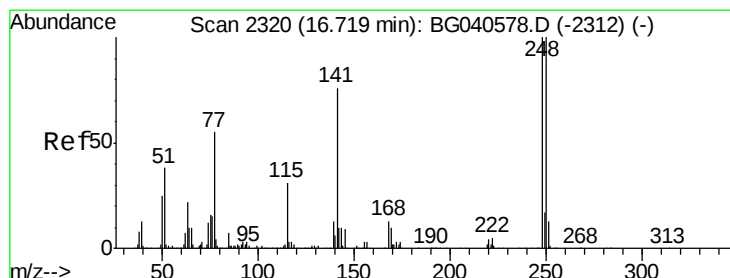
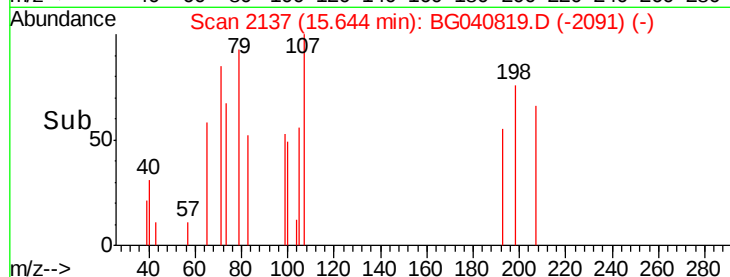
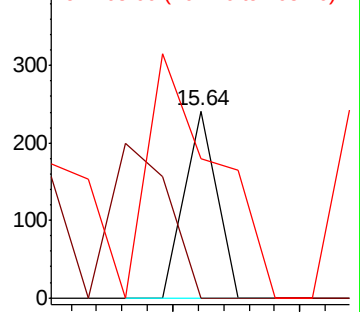
105 74.3 21.2 61.2#



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



#67

4-Bromophenyl-phenylether

Concen: 5.192 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040819.D

Acq: 9 May 2019 12:45

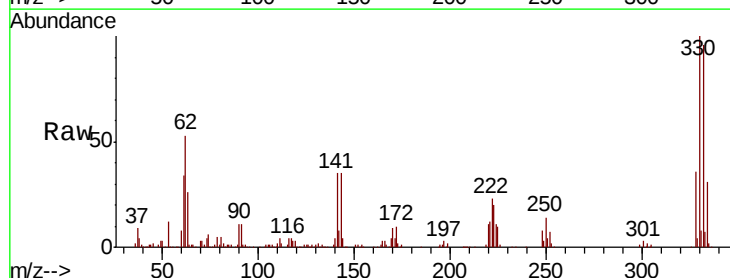
Tgt Ion:248 Resp: 22357

Ion Ratio Lower Upper

248 100

250 191.0 79.8 119.6#

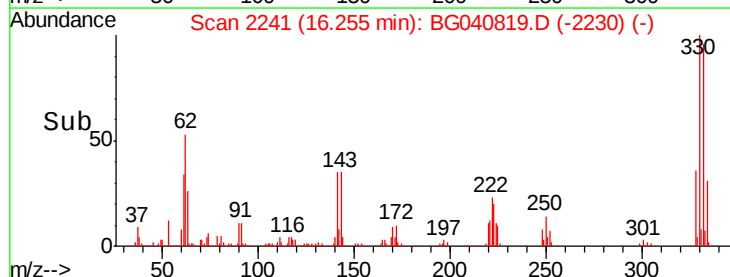
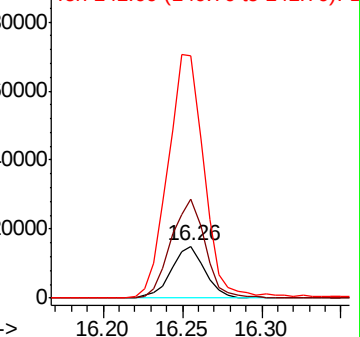
141 468.4 60.8 91.2#

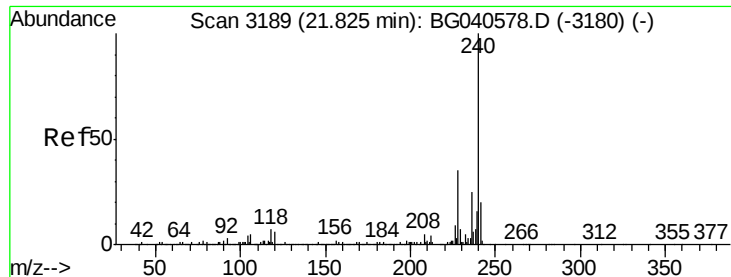


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

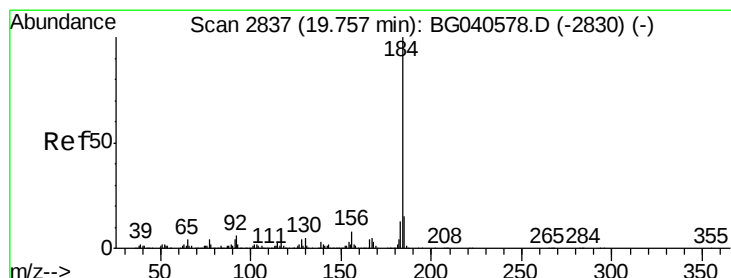
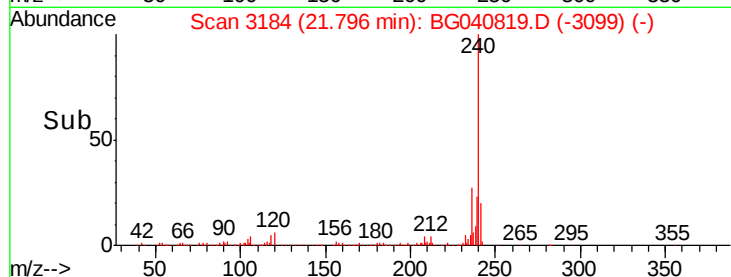
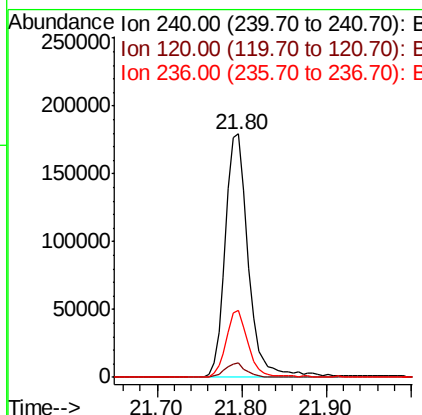
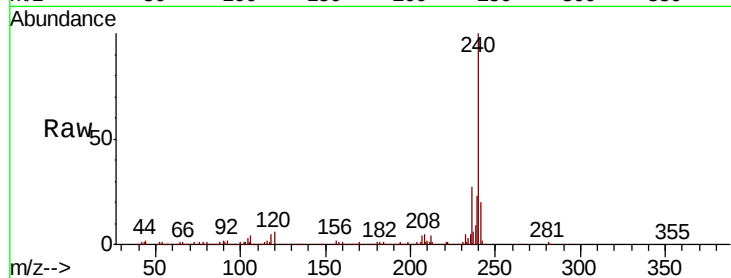




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040819.D
Acq: 9 May 2019 12:45

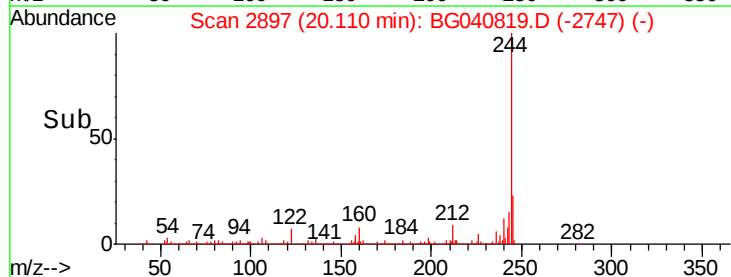
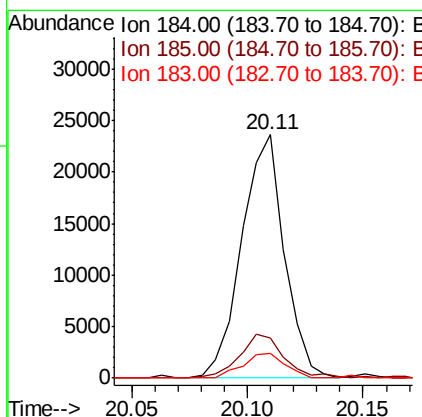
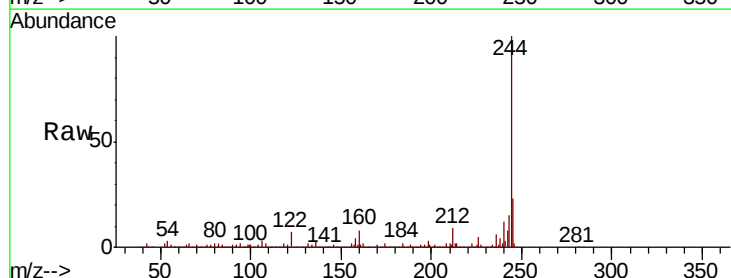
Instrument :
BNA_G
ClientSampleId :

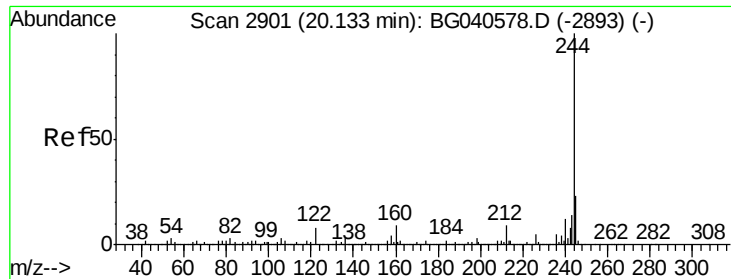
Tot Ion:240 Resp: 338586
Ion Ratio Lower Upper
240 100
120 5.8 5.0 7.6
236 27.5 20.3 30.5



#77
Benzidine
Concen: 3.286 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040819.D
Acq: 9 May 2019 12:45

Tgt Ion:184 Resp: 30460
Ion Ratio Lower Upper
184 100
185 16.3 11.8 17.8
183 10.1 10.2 15.2#





#79

Terphenyl-d14

Concen: 110.436 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040819.D

Acq: 9 May 2019 12:45

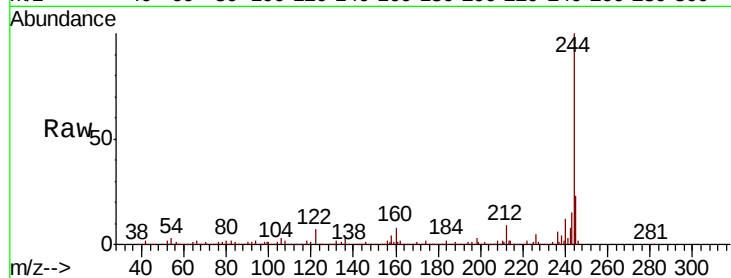
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1687810

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.2	10.8
122	7.2	6.6	10.0

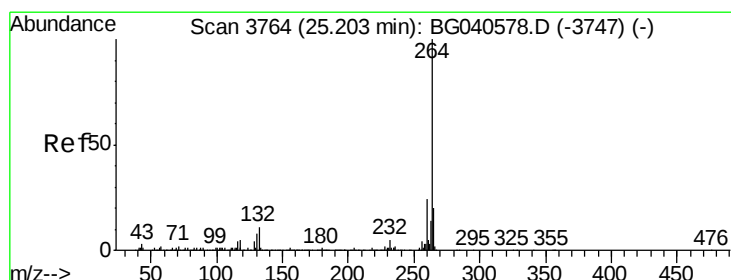
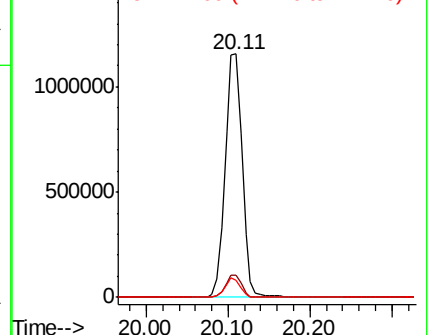
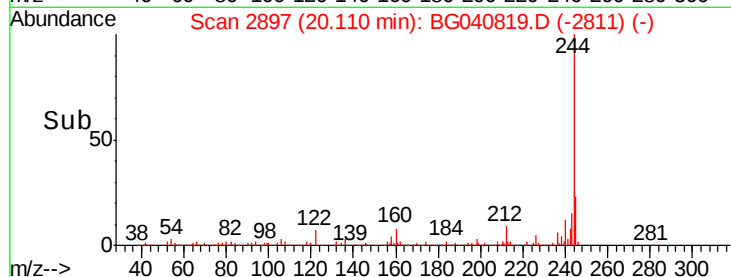


Abundance

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: 25.14 min Scan# 3754

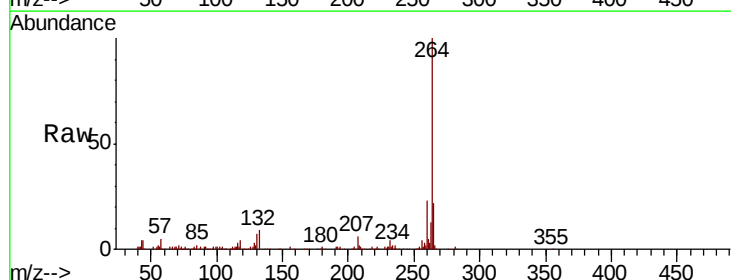
Delta R.T. -0.06 min

Lab File: BG040819.D

Acq: 9 May 2019 12:45

Tgt Ion:264 Resp: 273443

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.7	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

