

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
 Data File : BG042803.D
 Acq On : 13 Sep 2019 5:47
 Operator : HP/JU
 Sample : PB123028BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 07:06:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

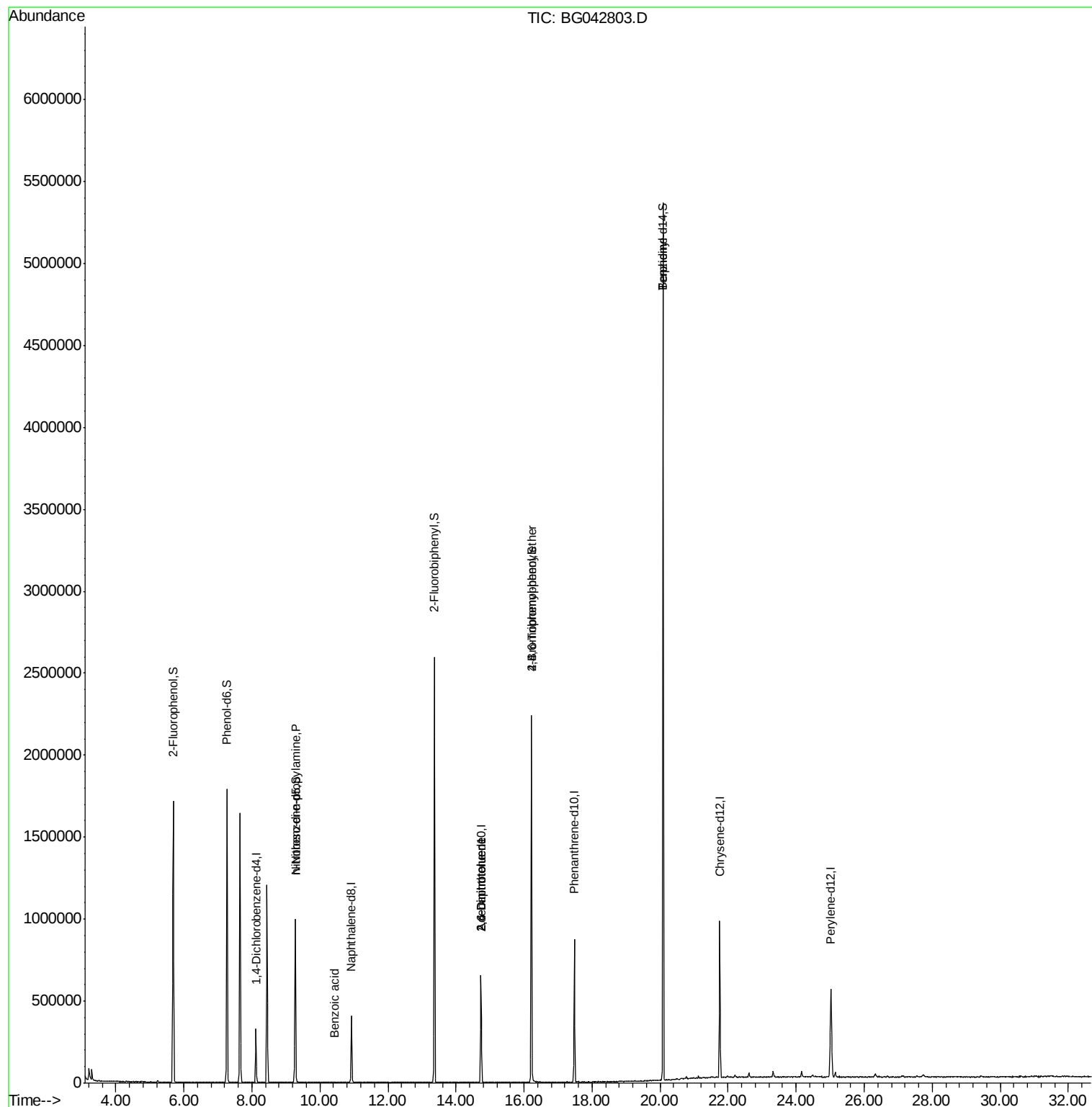
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	88202	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	339937	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	228115	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	544665	20.00	ng	0.00
76) Chrysene-d12	21.75	240	585754	20.00	ng	-0.01
87) Perylene-d12	25.02	264	623574	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	688047	135.62	ng	0.00
7) Phenol-d6	7.27	99	996942	136.91	ng	0.00
23) Nitrobenzene-d5	9.28	82	617927	94.64	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	425389	140.17	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1342285	93.14	ng	0.00
79) Terphenyl-d14	20.09	244	2461740	93.14	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	85502	15.935	ng	# 67
32) Benzoic acid	10.44	122	66	5.979	ng	# 1
51) 2,6-Dinitrotoluene	14.73	165	31347	8.940	ng	# 20
57) 2,4-Dinitrotoluene	14.73	165	31347	6.707	ng	# 23
67) 4-Bromophenyl-phenylether	16.22	248	29364	4.454	ng	# 1
77) Benzidine	20.09	184	42364	2.589	ng	# 92

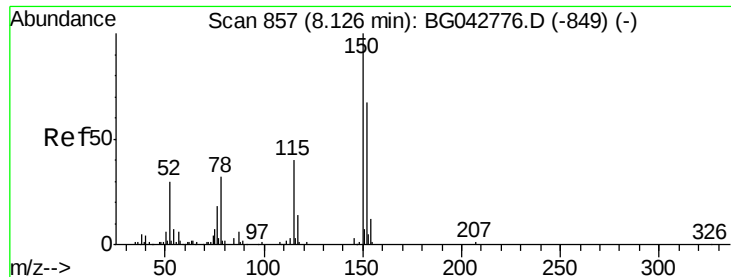
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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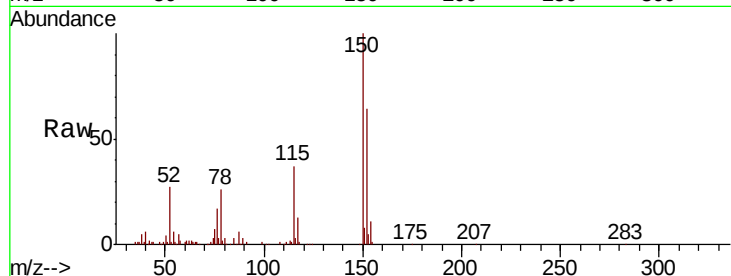


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042803.D
Acq: 13 Sep 2019 5:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	118.9	178.3
115	58.3	47.4	71.2

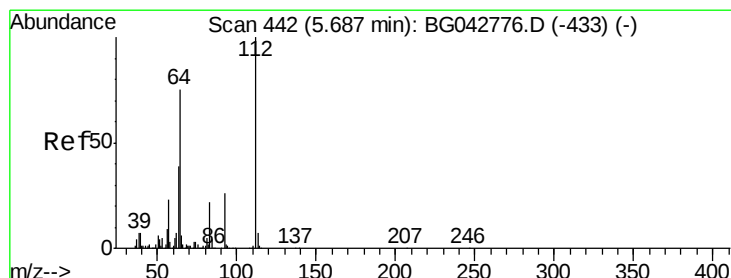
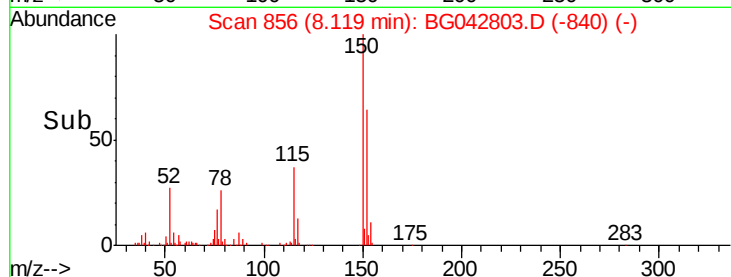
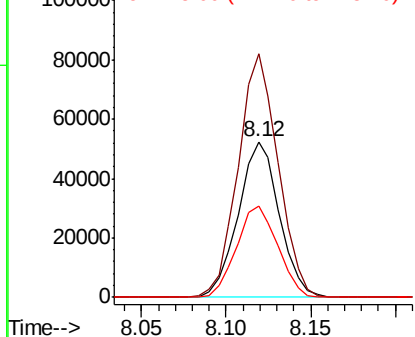


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

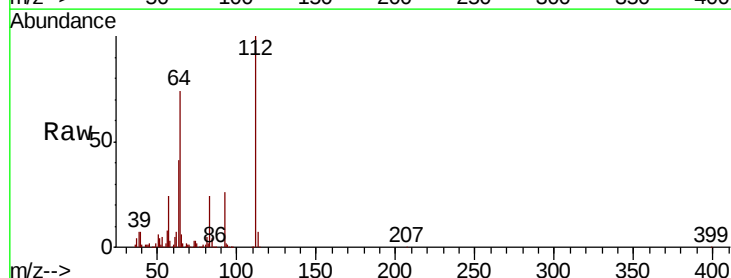
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 135.621 ng
RT: 5.69 min Scan# 442
Delta R.T. -0.00 min
Lab File: BG042803.D
Acq: 13 Sep 2019 5:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.6	60.2	90.2
63	40.9	31.2	46.8

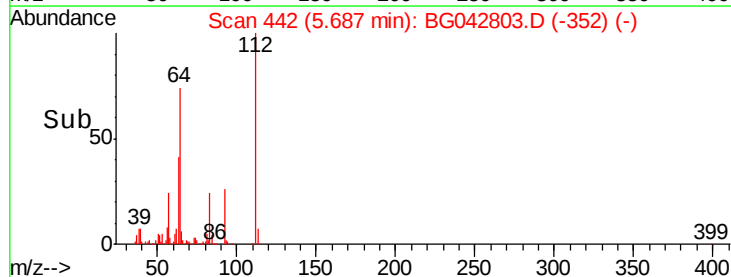
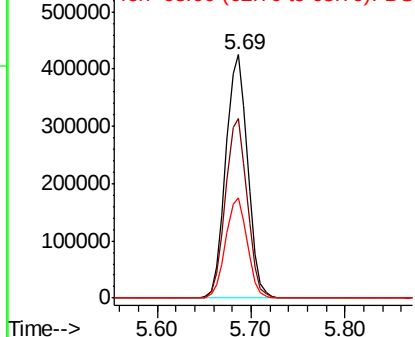


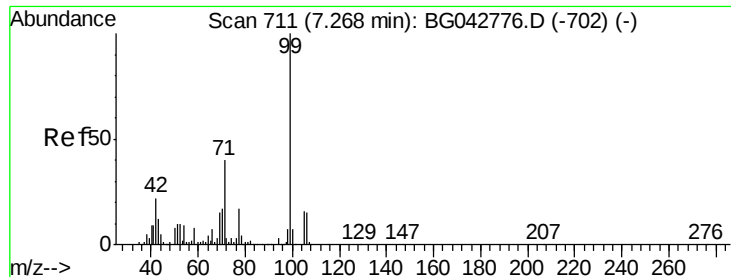
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 136.906 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG042803.D

Acq: 13 Sep 2019 5:47

Instrument :

BNA_G

ClientSampleId :

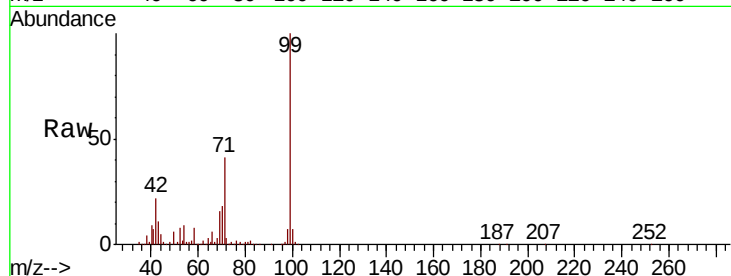
Tot Ion: 99 Resp: 996942

Ion Ratio Lower Upper

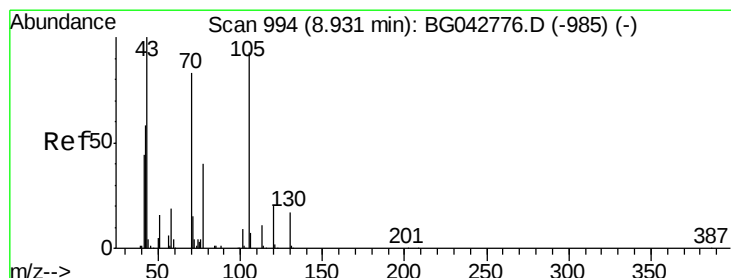
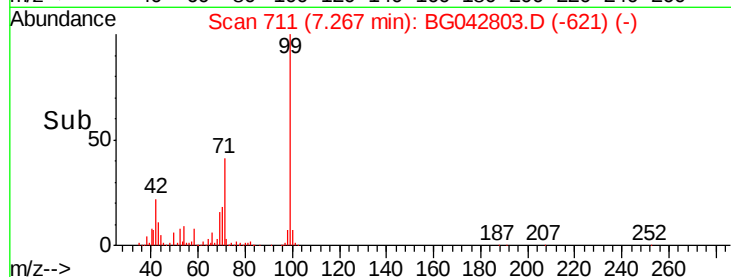
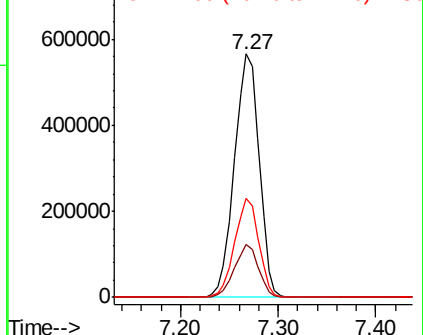
99 100

42 21.9 17.5 26.3

71 40.6 32.0 48.0



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: 15.935 ng

RT: 9.28 min Scan# 1053

Delta R.T. 0.35 min

Lab File: BG042803.D

Acq: 13 Sep 2019 5:47

Tgt Ion: 70 Resp: 85502

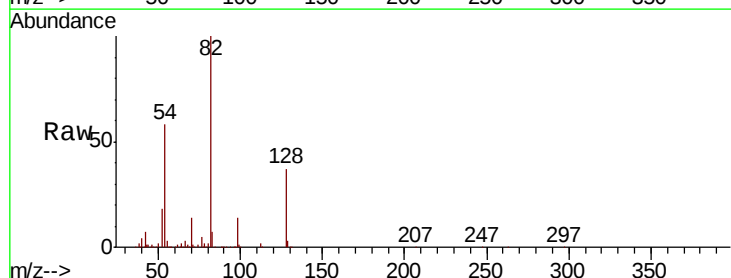
Ion Ratio Lower Upper

70 100

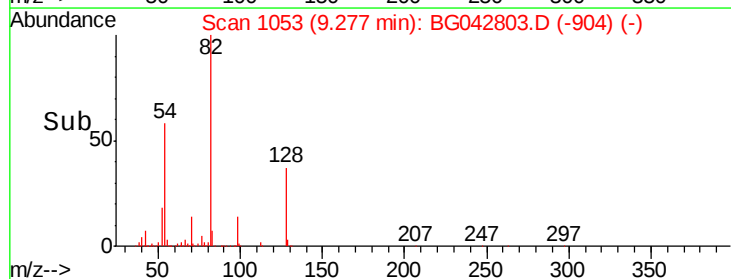
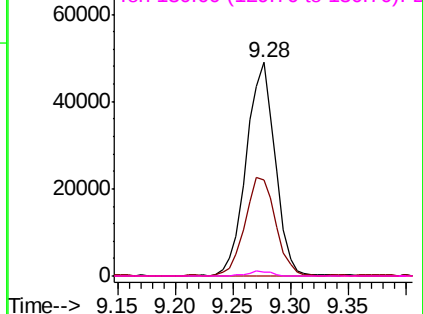
42 44.9 57.0 85.6#

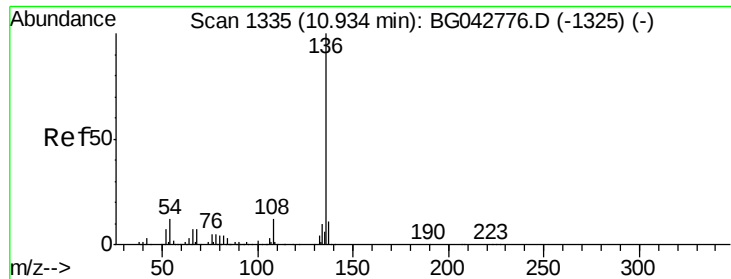
101 0.0 8.4 12.6#

130 2.0 16.1 24.1#



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

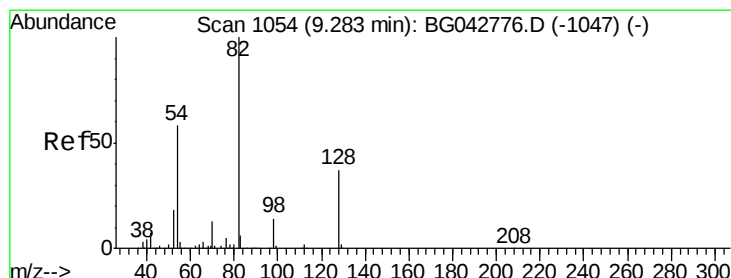
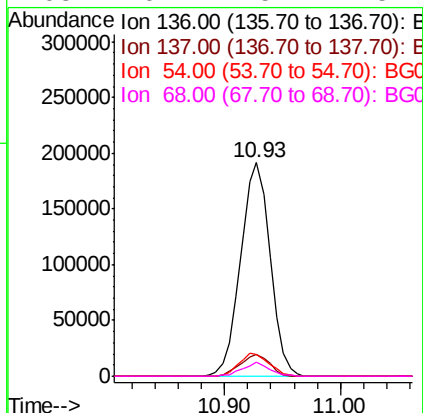
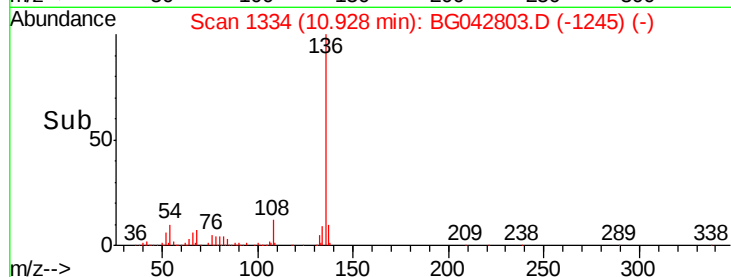
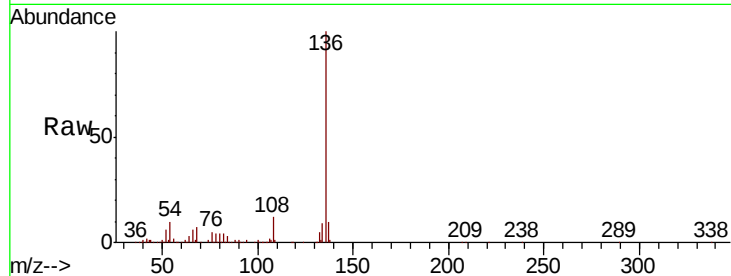




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042803.D
Acq: 13 Sep 2019 5:47

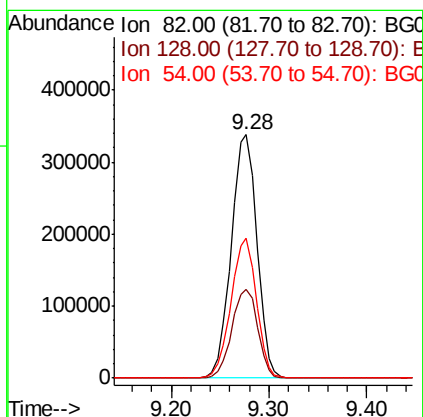
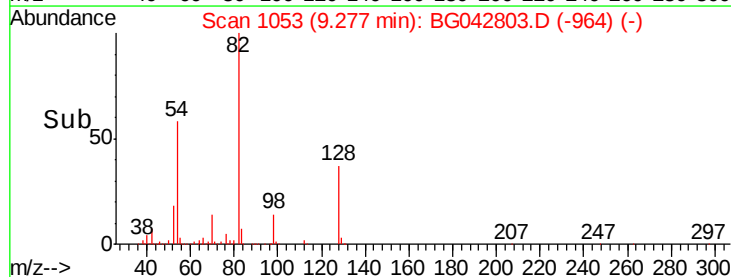
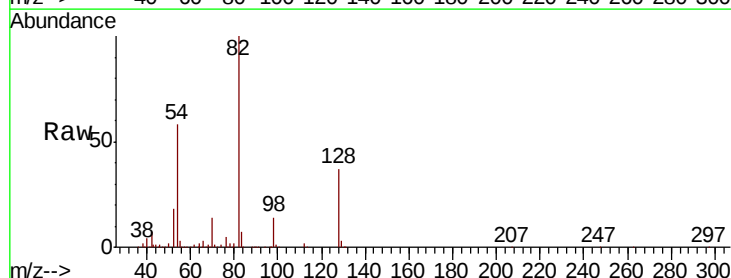
Instrument :
BNA_G
ClientSampled :

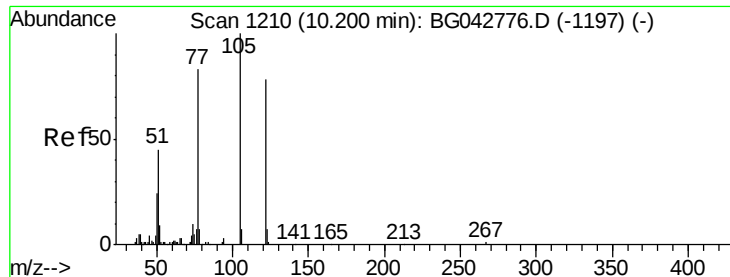
Tot Ion:136	Resp:	339937
Ion Ratio	Lower	Upper
136	100	
137	10.1	9.0 13.6
54	10.5	9.4 14.0
68	6.7	5.4 8.2



#23
Nitrobenzene-d5
Concen: 94.638 ng
RT: 9.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042803.D
Acq: 13 Sep 2019 5:47

Tgt Ion: 82	Resp:	617927
Ion Ratio	Lower	Upper
82	100	
128	36.6	29.8 44.8
54	57.6	46.1 69.1





#32

Benzoic acid

Concen: 5.979 ng

RT: 10.44 min Scan# 1251

Delta R.T. 0.24 min

Lab File: BG042803.D

Acq: 13 Sep 2019 5:47

Instrument :

BNA_G

ClientSampleId :

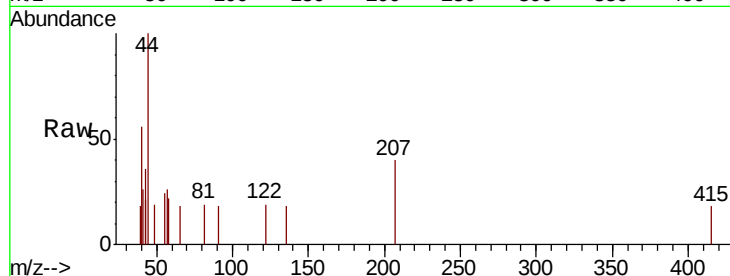
Tot Ion:122 Resp: 66

Ion Ratio Lower Upper

122 100

105 0.0 104.0 144.0#

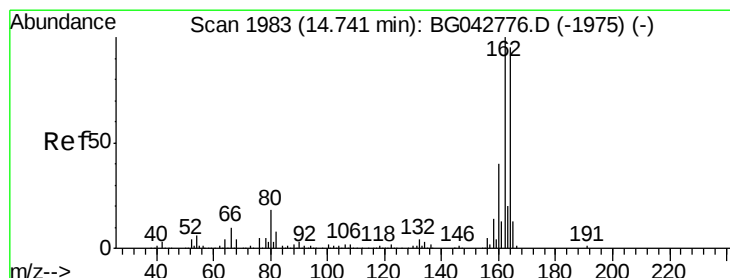
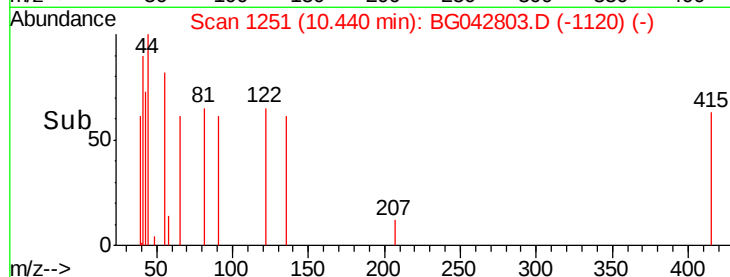
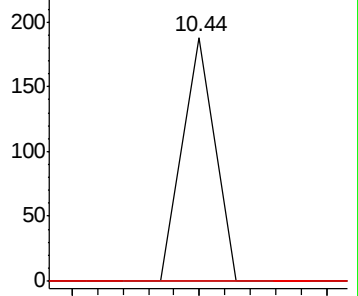
77 0.0 84.2 124.2#



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: 14.73 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG042803.D

Acq: 13 Sep 2019 5:47

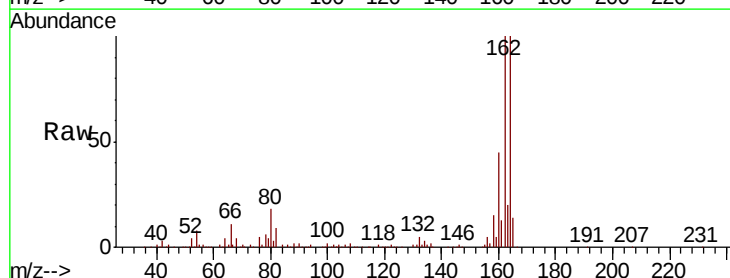
Tgt Ion:164 Resp: 228115

Ion Ratio Lower Upper

164 100

162 100.0 84.6 126.8

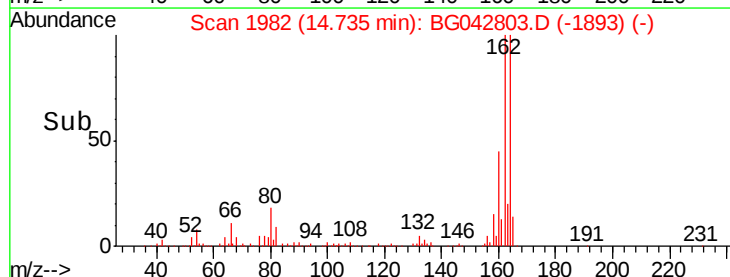
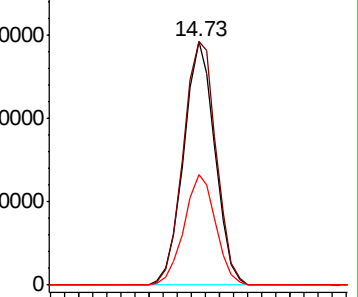
160 45.2 34.2 51.2

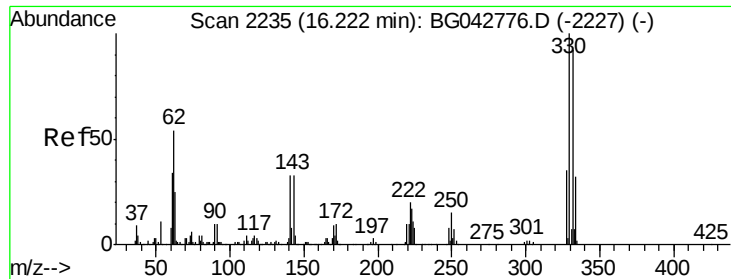


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

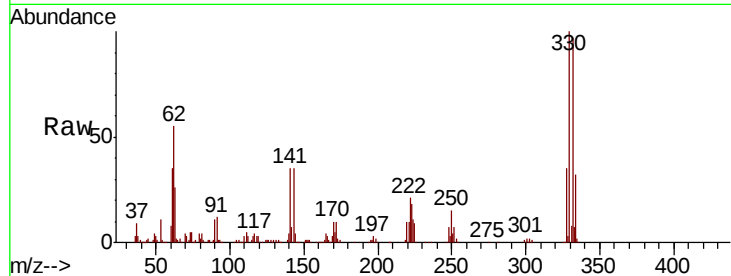




#42
 2,4,6-Tribromophenol
 Concen: 140.166 ng
 RT: 16.22 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BG042803.D
 Acq: 13 Sep 2019 5:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	34.9	27.0	40.6

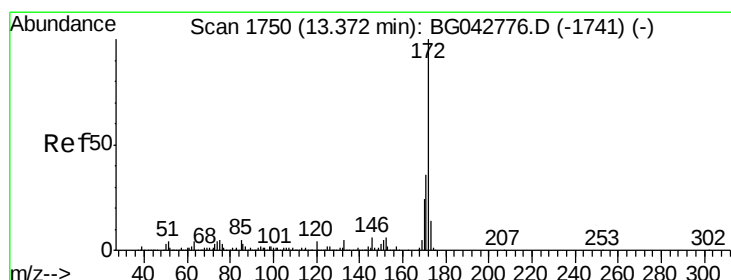
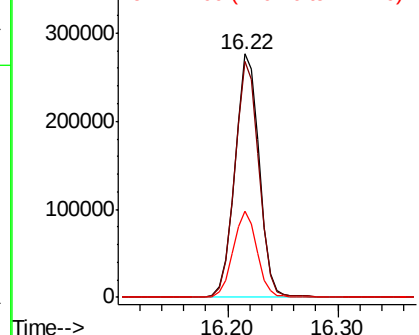
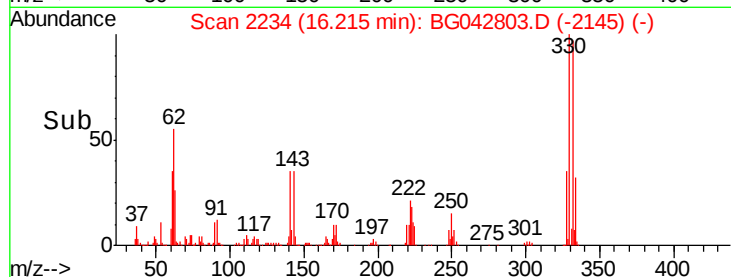


Abundance

Ion 329.80 (329.50 to 330.50): E

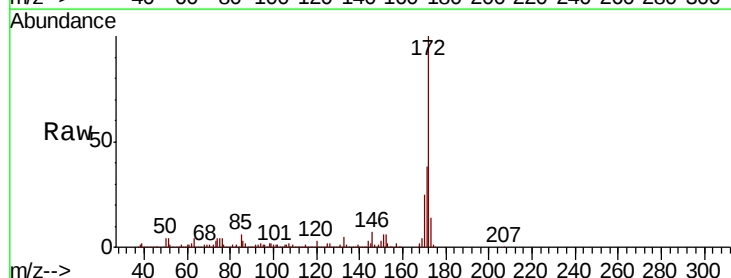
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 93.144 ng
 RT: 13.37 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042803.D
 Acq: 13 Sep 2019 5:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	28.9	43.3
170	25.5	19.1	28.7

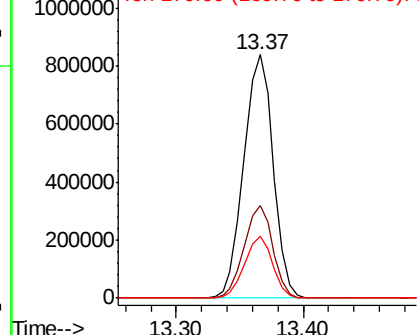
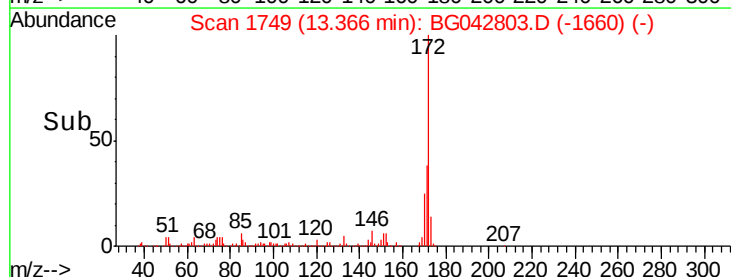


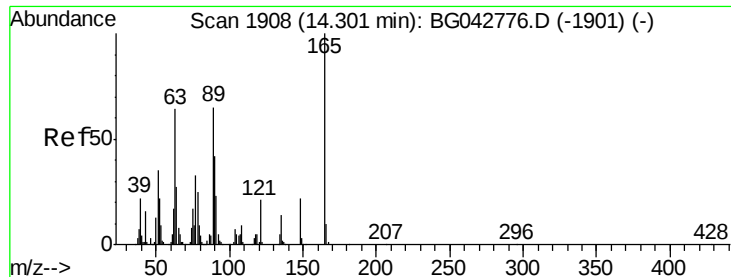
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 8.940 ng

RT: 14.73 min Scan# 1982

Delta R.T. 0.43 min

Lab File: BG042803.D

Acq: 13 Sep 2019 5:47

Instrument :

BNA_G

ClientSampled :

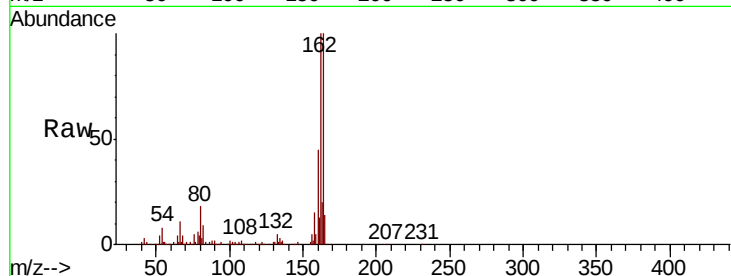
Tot Ion:165 Resp: 31347

Ion Ratio Lower Upper

165 100

63 1.6 52.1 78.1#

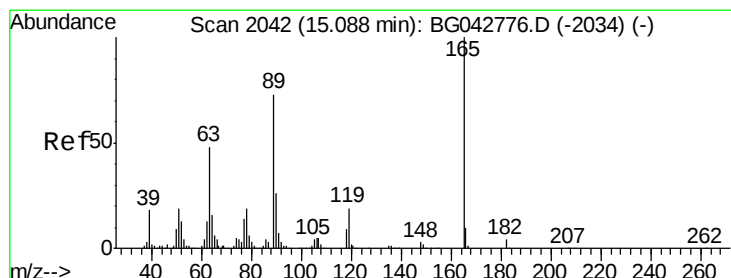
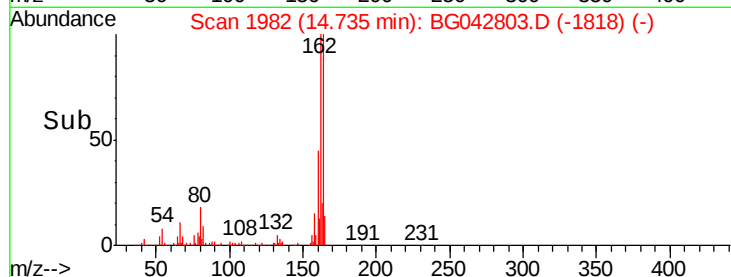
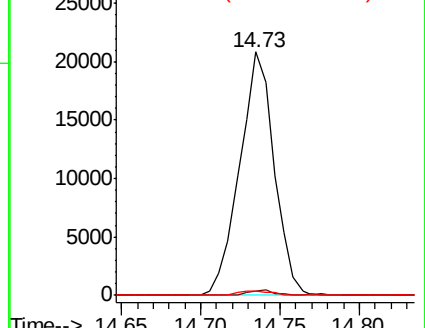
89 1.5 51.7 77.5#



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



#57

2,4-Dinitrotoluene

Concen: 6.707 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.35 min

Lab File: BG042803.D

Acq: 13 Sep 2019 5:47

Tgt Ion:165 Resp: 31347

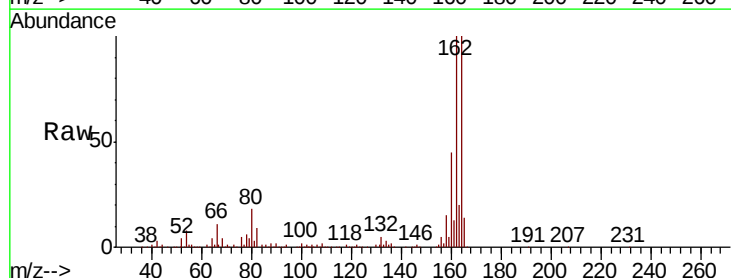
Ion Ratio Lower Upper

165 100

63 1.6 38.3 57.5#

89 1.5 58.4 87.6#

182 0.0 2.9 4.3#

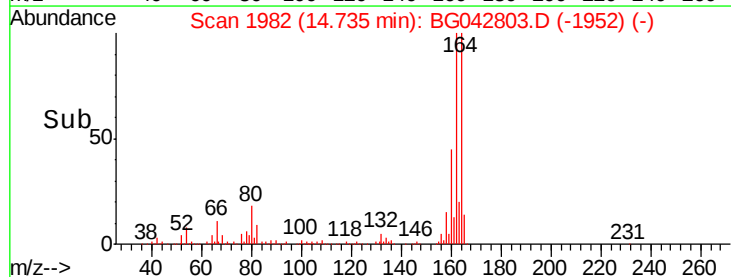
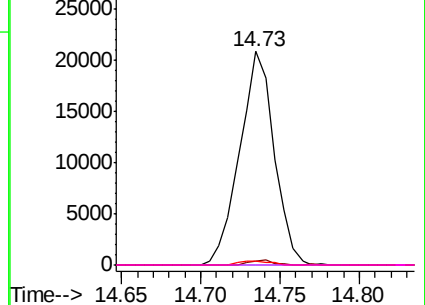


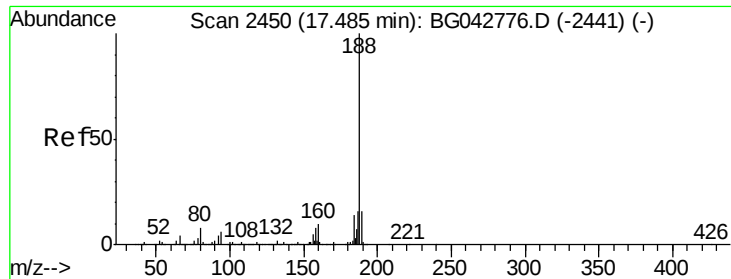
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BG042803.D

Acq: 13 Sep 2019 5:47

Instrument :

BNA_G

ClientSampleId :

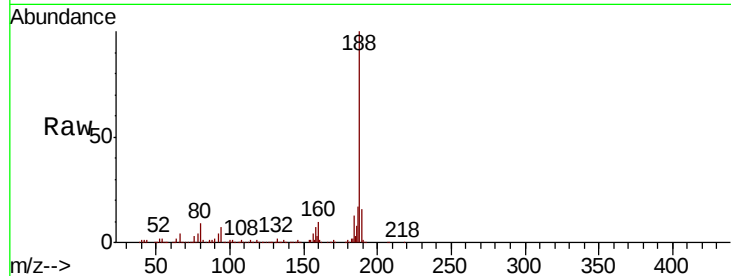
Tot Ion:188 Resp: 544665

Ion Ratio Lower Upper

188 100

94 6.9 4.8 7.2

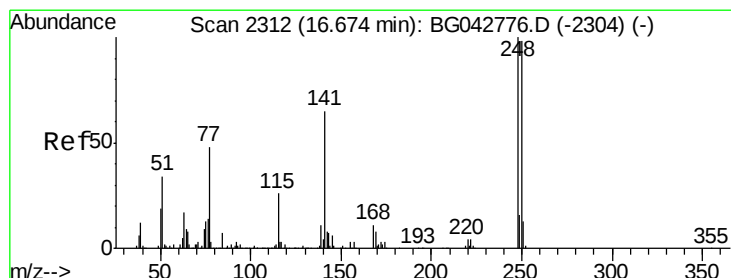
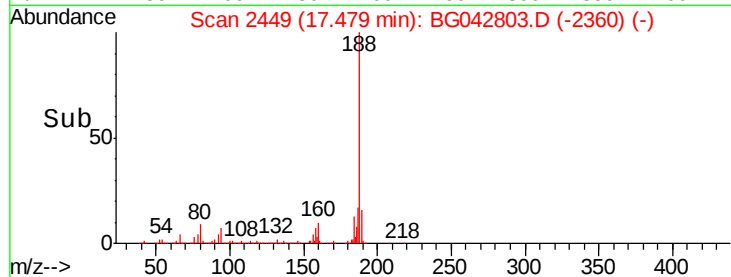
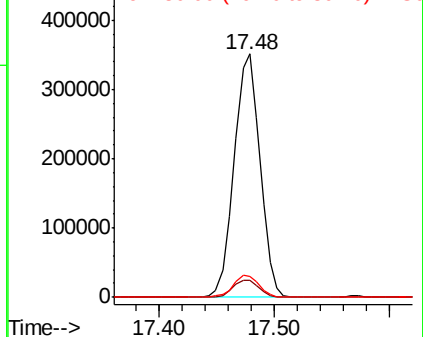
80 8.6 6.6 9.8



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



#67

4-Bromophenyl-phenylether

Concen: 4.454 ng

RT: 16.22 min Scan# 2234

Delta R.T. -0.46 min

Lab File: BG042803.D

Acq: 13 Sep 2019 5:47

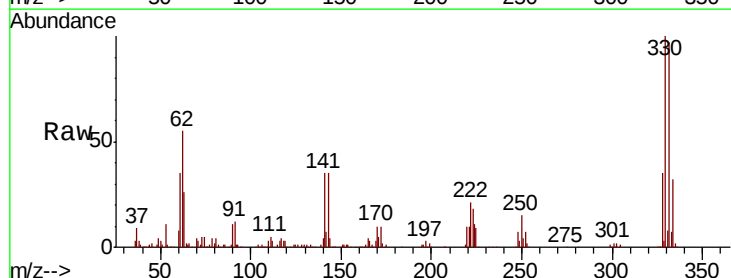
Tgt Ion:248 Resp: 29364

Ion Ratio Lower Upper

248 100

250 214.8 78.0 117.0#

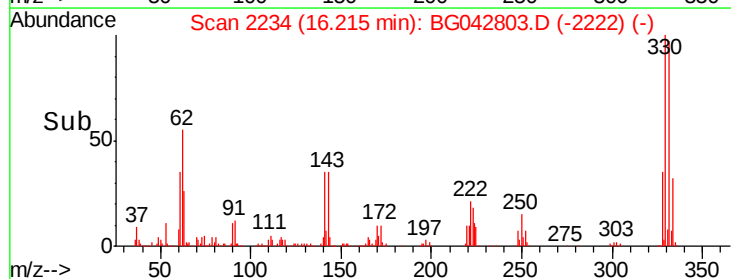
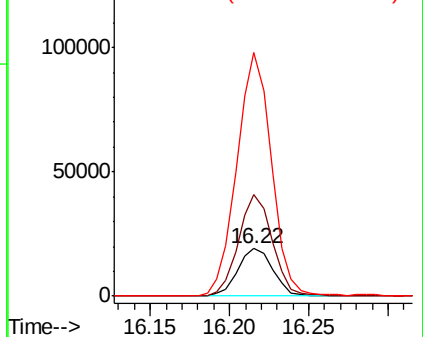
141 515.2 51.8 77.6#

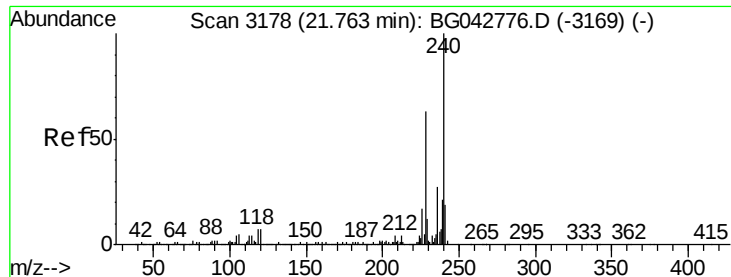


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

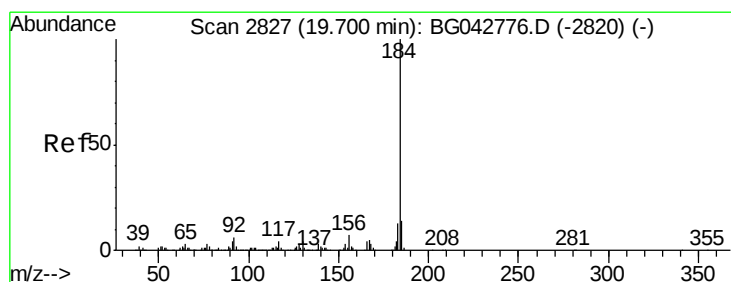
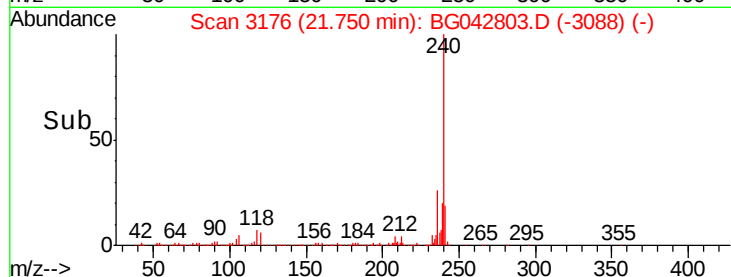
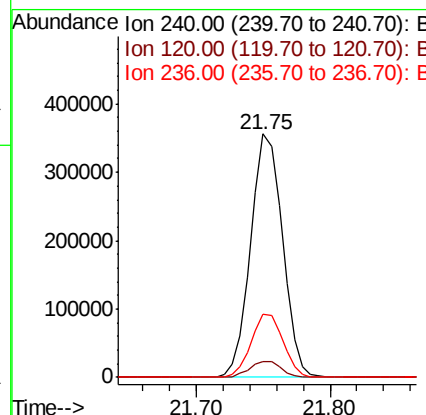
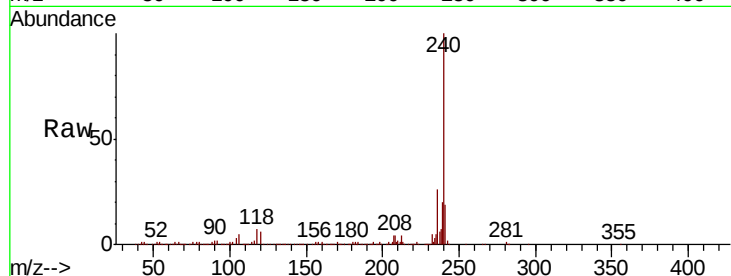




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3176
 Delta R.T. -0.01 min
 Lab File: BG042803.D
 Acq: 13 Sep 2019 5:47

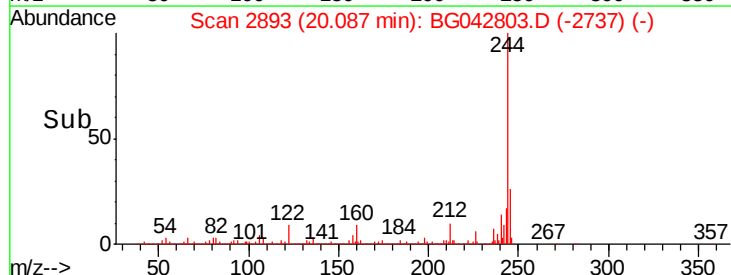
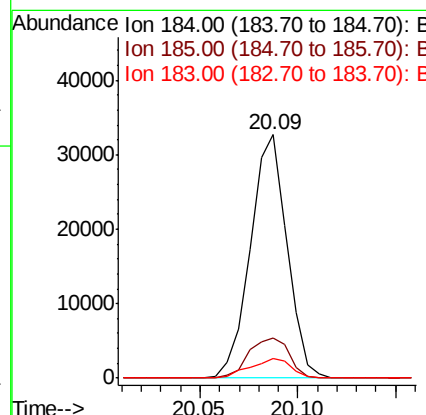
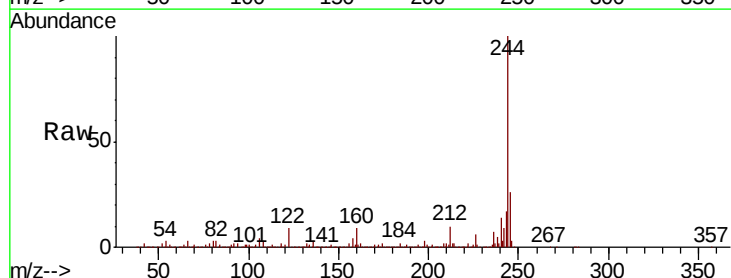
Instrument :
 BNA_G
 ClientSampleId :

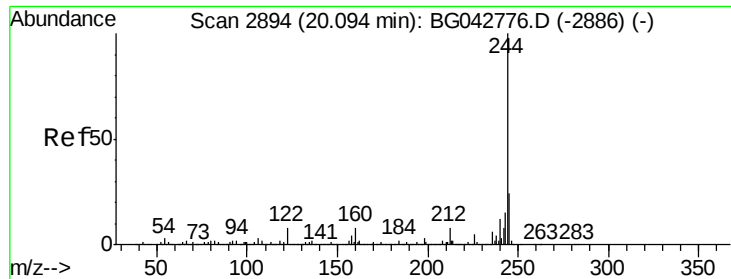
Tot Ion:240 Resp: 585754
 Ion Ratio Lower Upper
 240 100
 120 6.5 5.4 8.2
 236 25.9 21.7 32.5



#77
 Benzidine
 Concen: 2.589 ng
 RT: 20.09 min Scan# 2893
 Delta R.T. 0.39 min
 Lab File: BG042803.D
 Acq: 13 Sep 2019 5:47

Tgt Ion:184 Resp: 42364
 Ion Ratio Lower Upper
 184 100
 185 16.6 11.6 17.4
 183 8.2 10.4 15.6#





#79

Terphenyl-d14

Concen: 93.143 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042803.D

Acq: 13 Sep 2019 5:47

Instrument :

BNA_G

ClientSampleId :

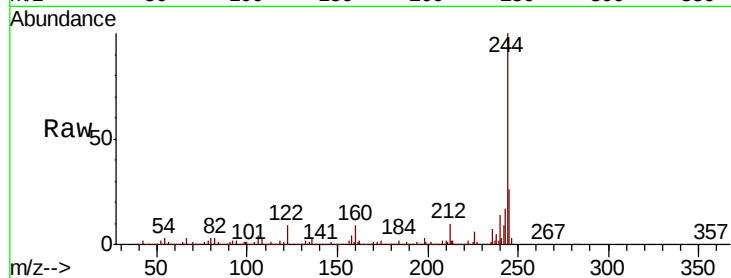
Tot Ion:244 Resp: 2461740

Ion Ratio Lower Upper

244 100

212 9.5 6.6 10.0

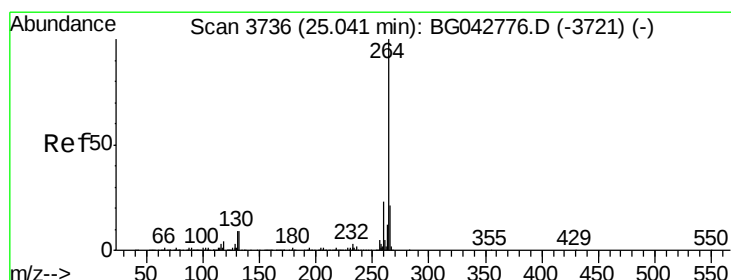
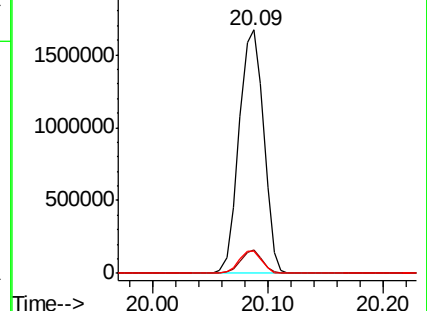
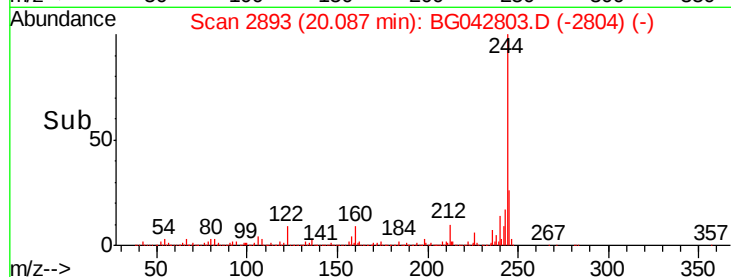
122 9.2 6.2 9.4



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: 25.02 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BG042803.D

Acq: 13 Sep 2019 5:47

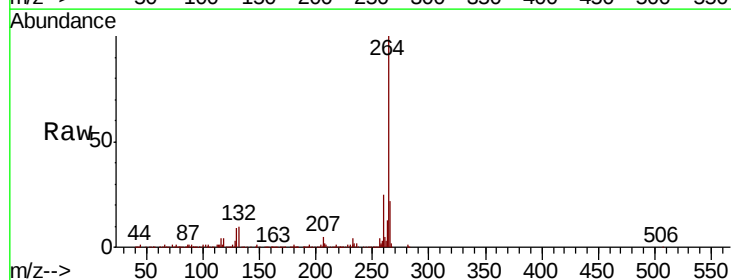
Tgt Ion:264 Resp: 623574

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.2

265 22.3 16.9 25.3



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

