

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
 Data File : BG042842.D
 Acq On : 16 Sep 2019 9:35
 Operator : HP/JU
 Sample : PB123104BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 17 01:17:35 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

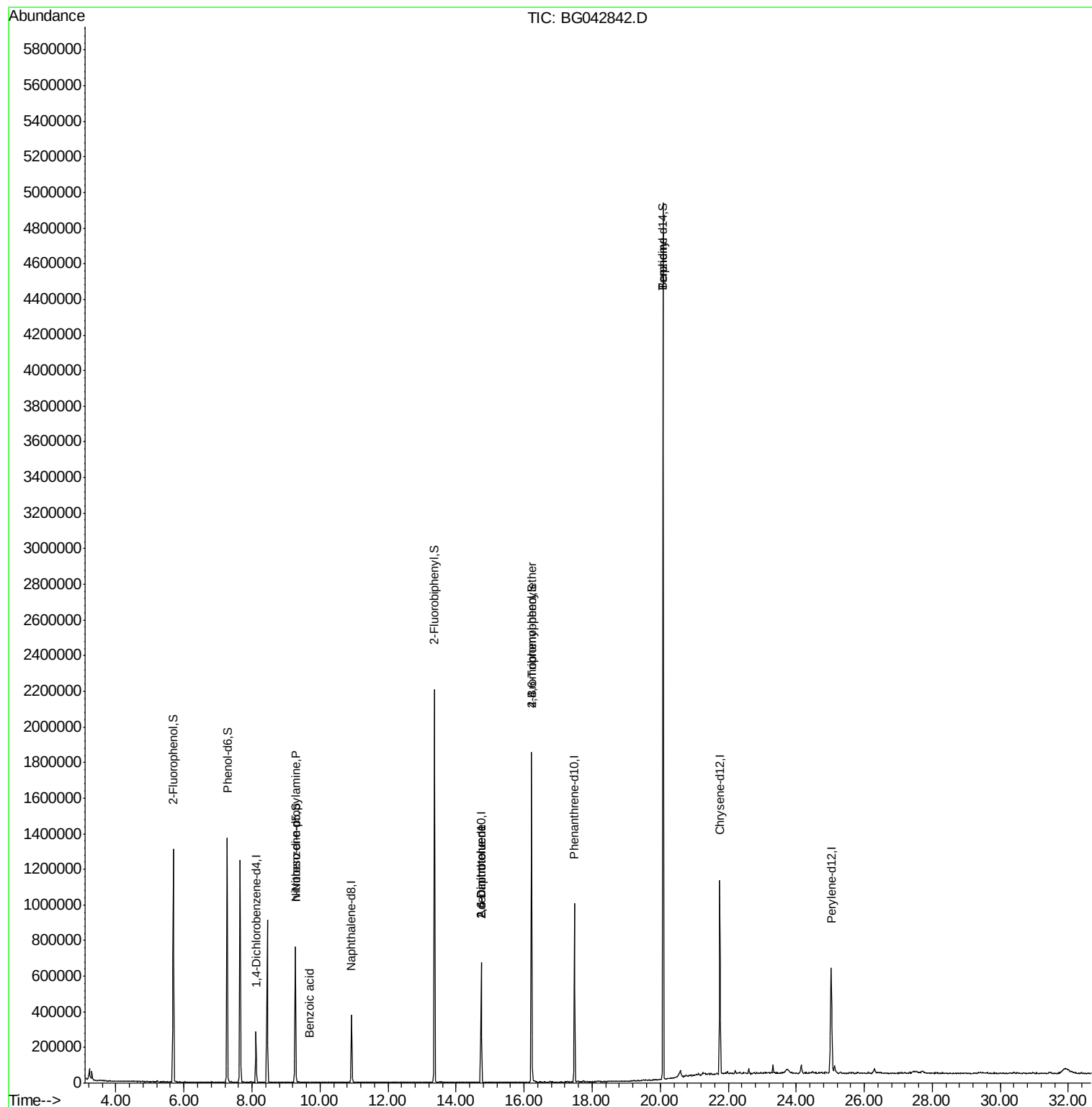
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	82190	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	319008	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	241397	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	610641	20.00	ng	0.00
76) Chrysene-d12	21.75	240	659211	20.00	ng	0.00
87) Perylene-d12	25.03	264	687268	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	529590	112.02	ng	0.00
7) Phenol-d6	7.27	99	788246	116.17	ng	0.00
23) Nitrobenzene-d5	9.27	82	475016	77.52	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	375979	117.07	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1144487	75.05	ng	0.00
79) Terphenyl-d14	20.09	244	2231146	75.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	63331	12.666	ng	# 71
32) Benzoic acid	9.69	122	62	5.979	ng	# 1
51) 2,6-Dinitrotoluene	14.74	165	31984	8.620	ng	# 21
57) 2,4-Dinitrotoluene	14.74	165	31984	6.467	ng	# 25
67) 4-Bromophenyl-phenylether	16.22	248	26376	3.569	ng	# 1
77) Benzidine	20.09	184	39249	2.131	ng	# 93

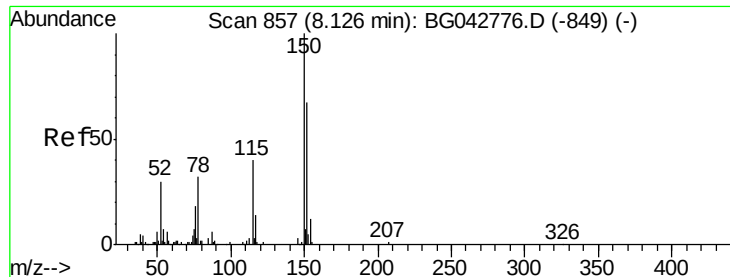
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
Data File : BG042842.D
Acq On : 16 Sep 2019 9:35
Operator : HP/JU
Sample : PB123104BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 17 01:17:35 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



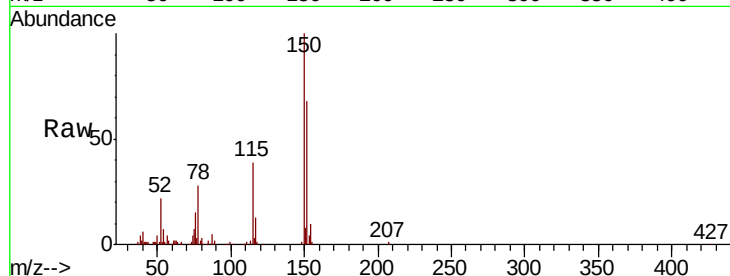


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.00 min
Lab File: BG042842.D
Acq: 16 Sep 2019 9:35

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.5	118.9	178.3
115	58.0	47.4	71.2

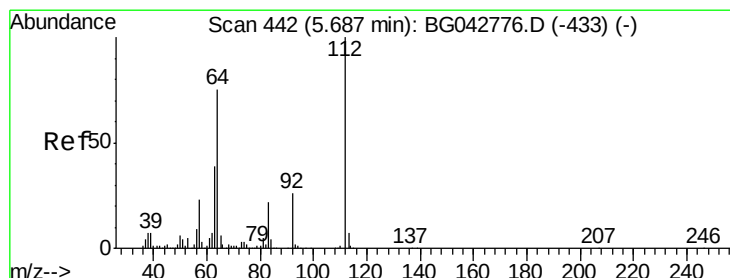
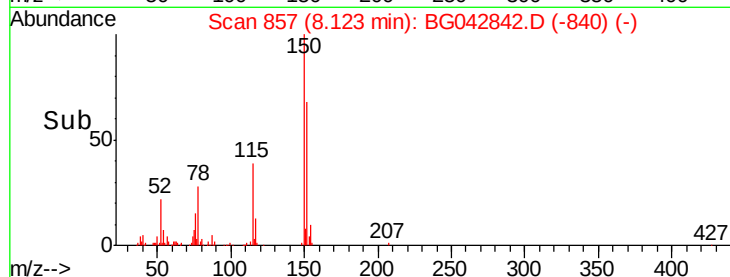
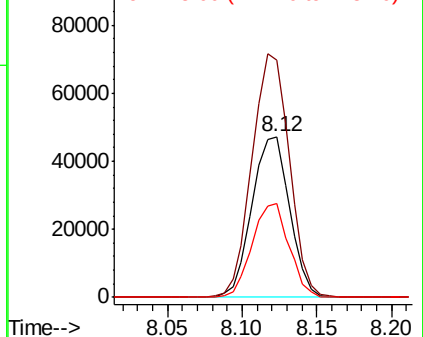


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

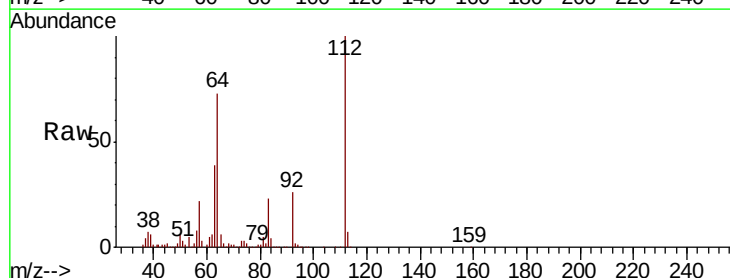
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 112.023 ng
RT: 5.68 min Scan# 442
Delta R.T. -0.00 min
Lab File: BG042842.D
Acq: 16 Sep 2019 9:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.0	60.2	90.2
63	39.1	31.2	46.8

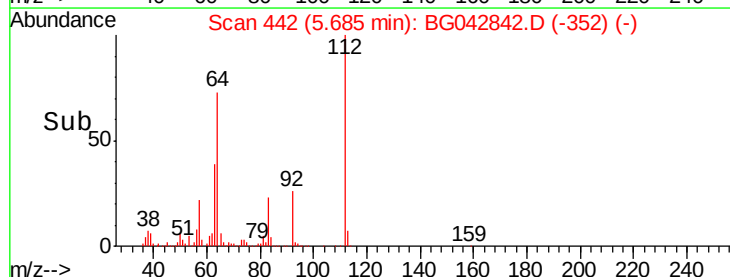
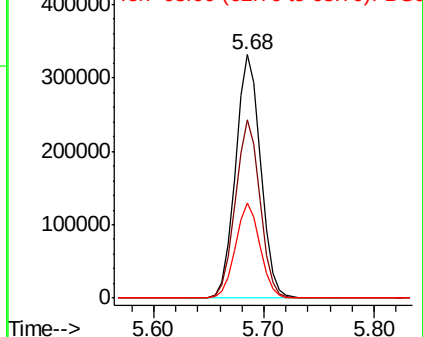


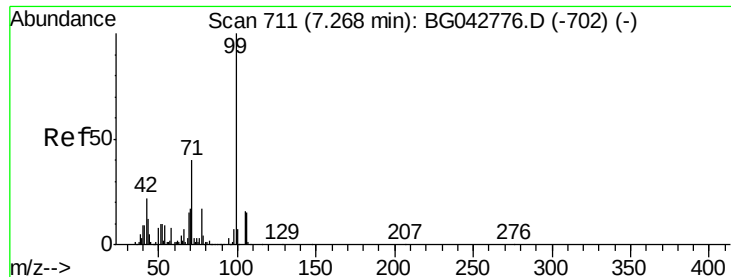
Abundance

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: 116.165 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG042842.D

Acq: 16 Sep 2019 9:35

Instrument :

BNA_G

ClientSampleId :

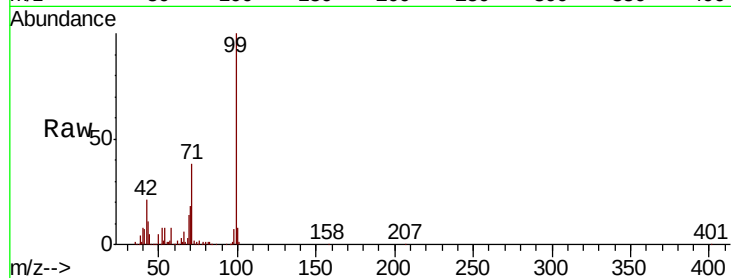
Tot Ion: 99 Resp: 788246

Ion Ratio Lower Upper

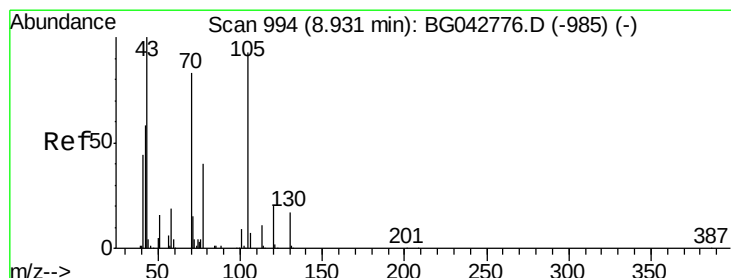
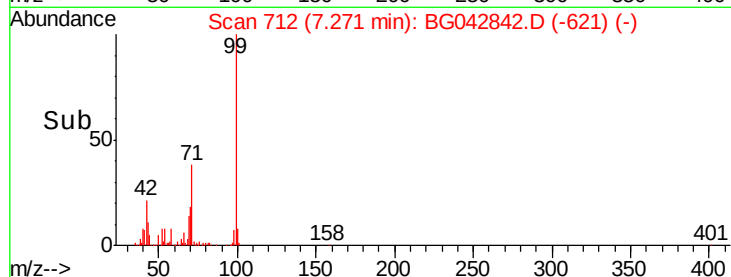
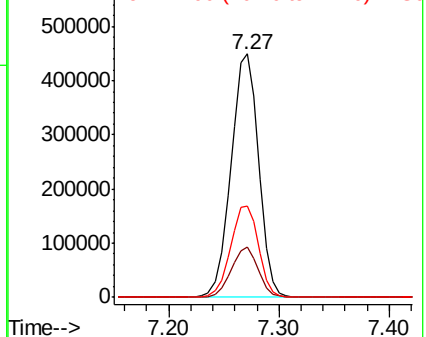
99 100

42 20.6 17.5 26.3

71 37.7 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: 12.666 ng

RT: 9.27 min Scan# 1053

Delta R.T. 0.34 min

Lab File: BG042842.D

Acq: 16 Sep 2019 9:35

Tgt Ion: 70 Resp: 63331

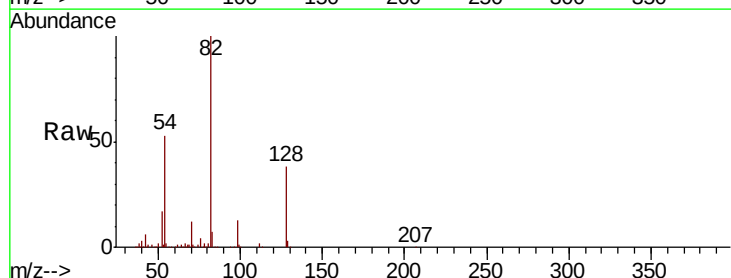
Ion Ratio Lower Upper

70 100

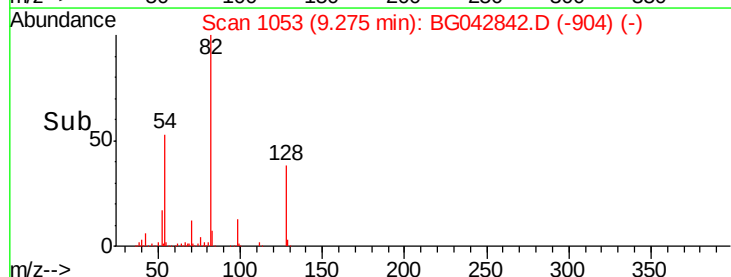
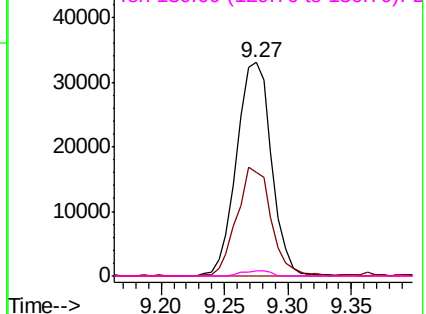
42 48.8 57.0 85.6#

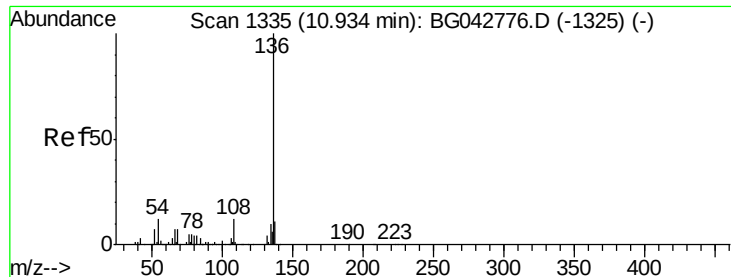
101 0.0 8.4 12.6#

130 2.4 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

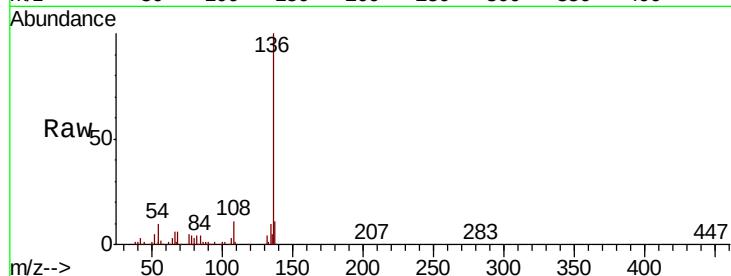




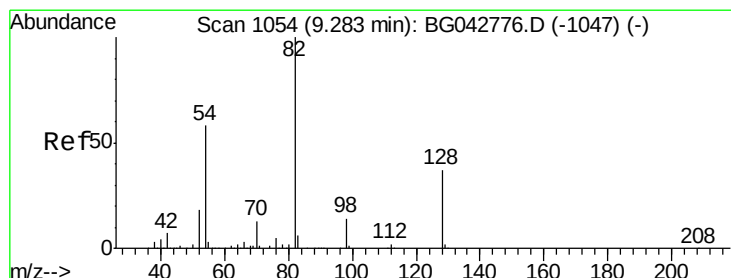
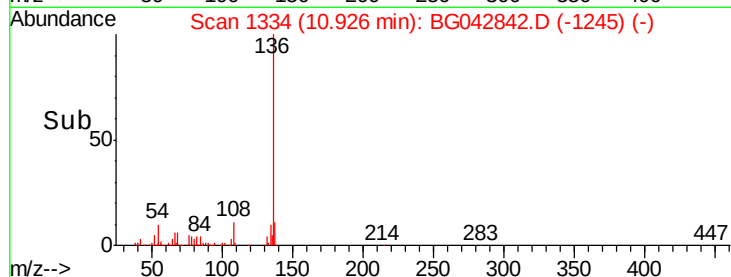
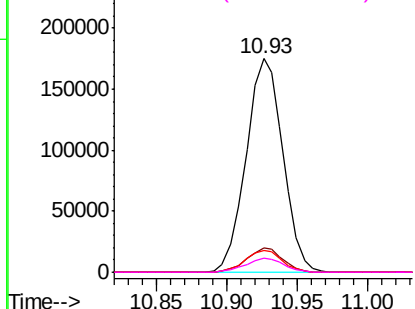
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042842.D
Acq: 16 Sep 2019 9:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	319008
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.0 13.6
54	10.4	9.4 14.0
68	6.3	5.4 8.2

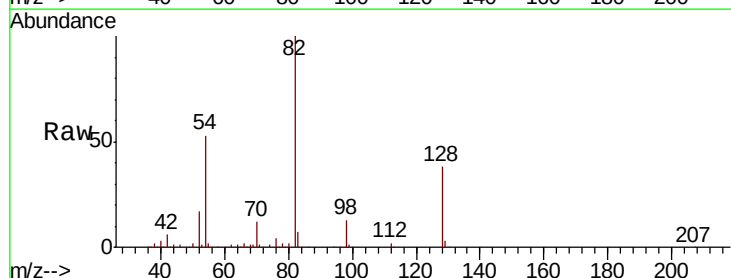


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

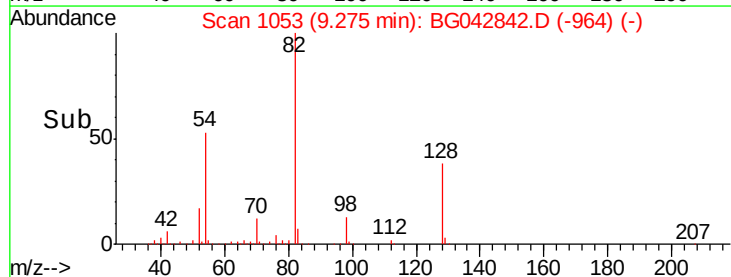
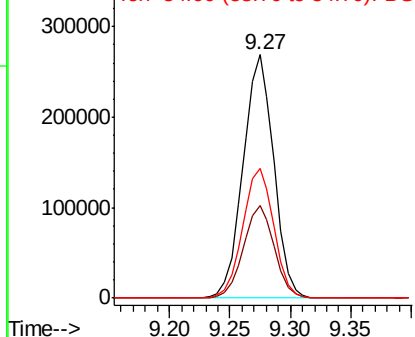


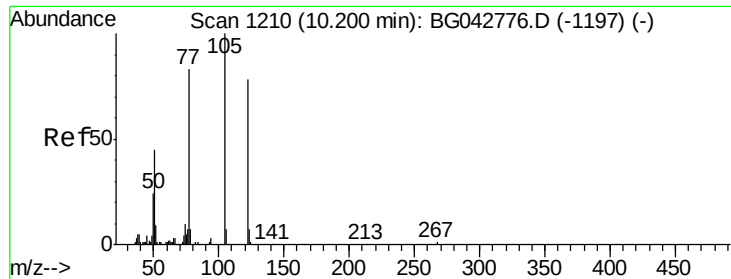
#23
Nitrobenzene-d5
Concen: 77.523 ng
RT: 9.27 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042842.D
Acq: 16 Sep 2019 9:35

Tgt Ion: 82	Resp:	475016
Ion	Ratio	Lower Upper
82	100	
128	37.8	29.8 44.8
54	53.1	46.1 69.1



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

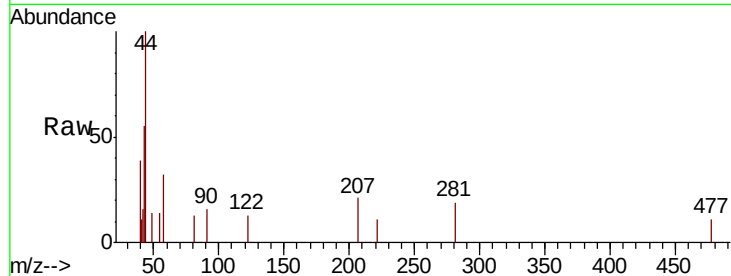




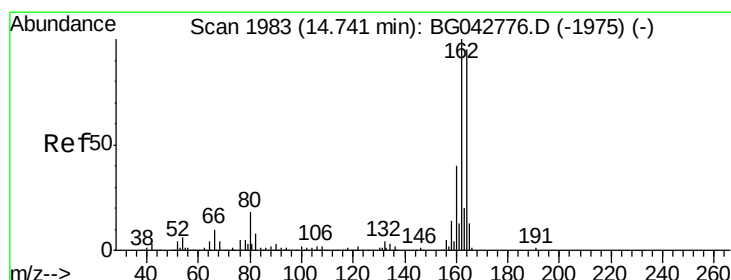
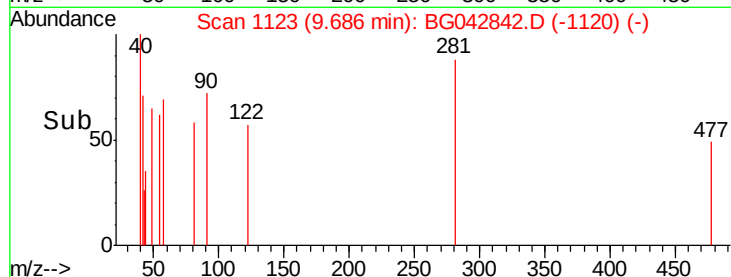
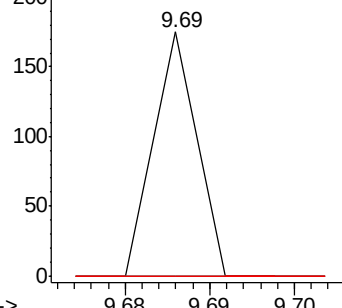
#32
Benzoic acid
Concen: 5.979 ng
RT: 9.69 min Scan# 1123
Delta R.T. -0.51 min
Lab File: BG042842.D
Acq: 16 Sep 2019 9:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#

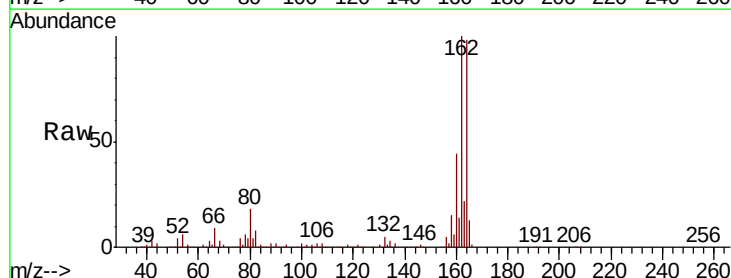


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

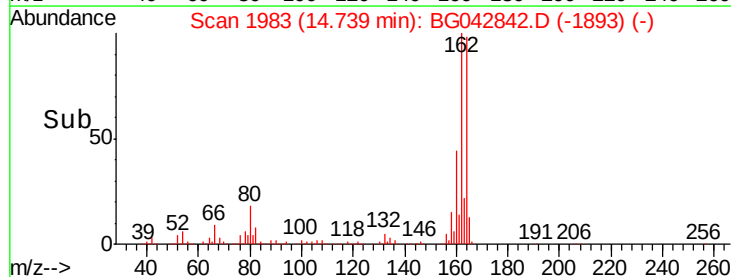
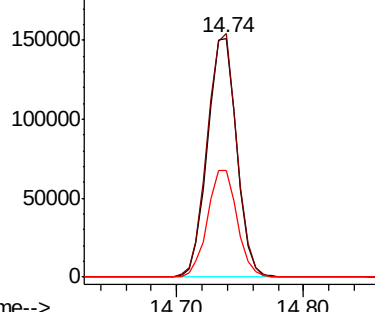


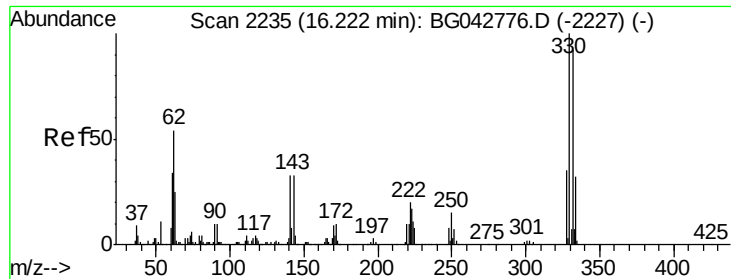
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BG042842.D
Acq: 16 Sep 2019 9:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	84.6	126.8
160	44.6	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

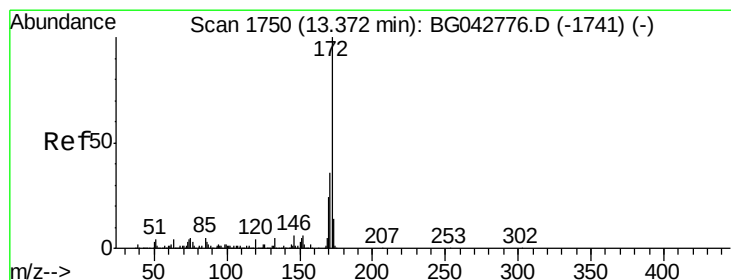
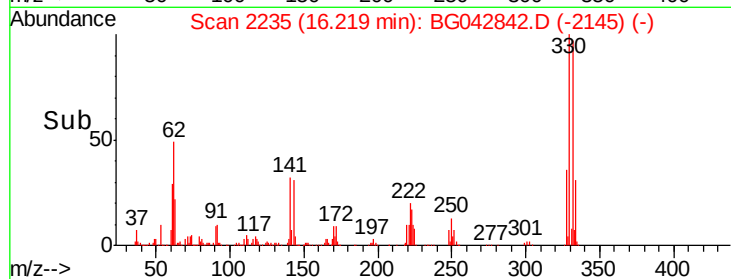
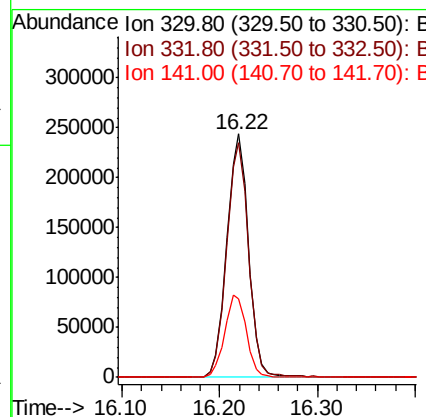
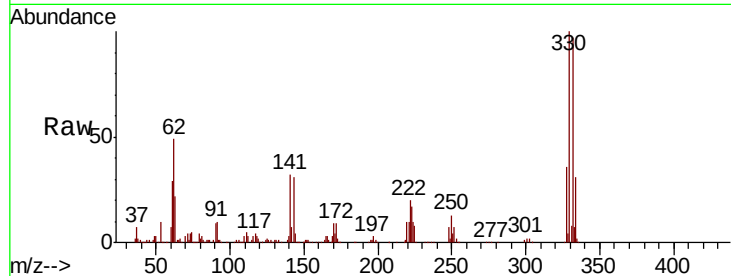




#42
 2,4,6-Tribromophenol
 Concen: 117.069 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG042842.D
 Acq: 16 Sep 2019 9:35

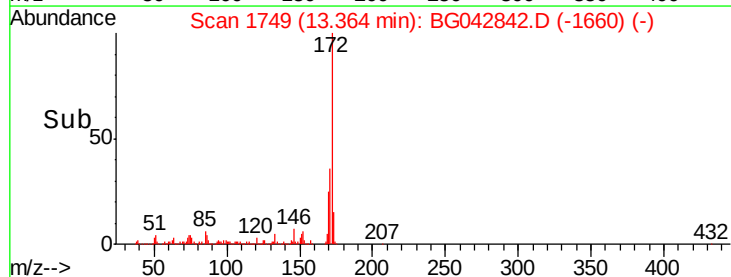
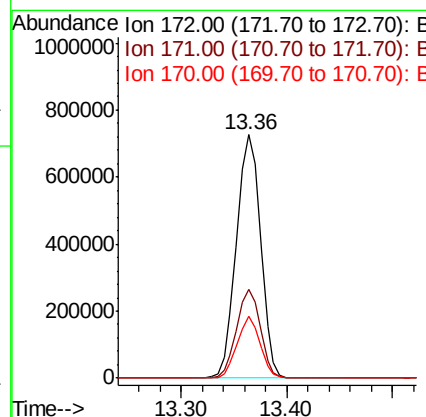
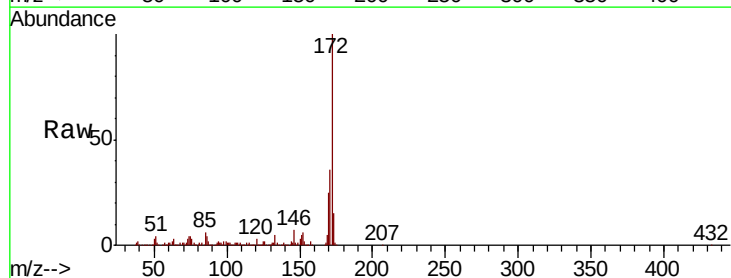
Instrument :
 BNA_G
 ClientSampleId :

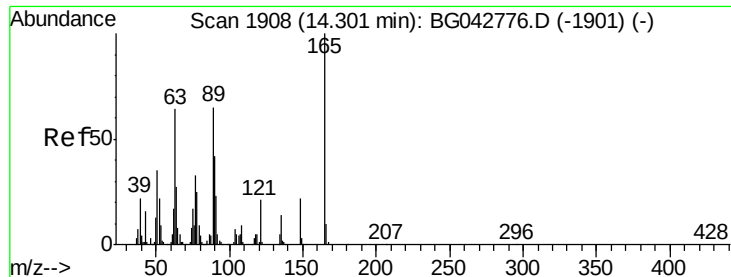
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.7	115.1
141	34.1	27.0	40.6



#45
 2-Fluorobiphenyl
 Concen: 75.048 ng
 RT: 13.36 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042842.D
 Acq: 16 Sep 2019 9:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.9	43.3
170	25.3	19.1	28.7





#51

2,6-Dinitrotoluene

Concen: 8.620 ng

RT: 14.74 min Scan# 1983

Delta R.T. 0.44 min

Lab File: BG042842.D

Acq: 16 Sep 2019 9:35

Instrument :

BNA_G

ClientSampleId :

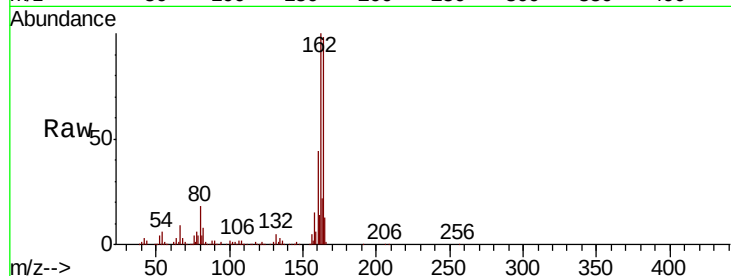
Tot Ion:165 Resp: 31984

Ion Ratio Lower Upper

165 100

63 2.7 52.1 78.1#

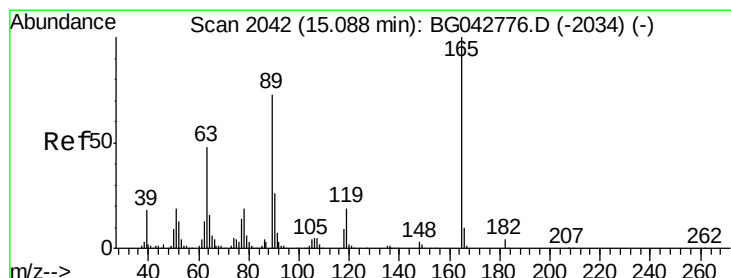
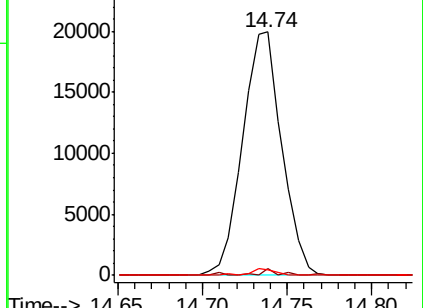
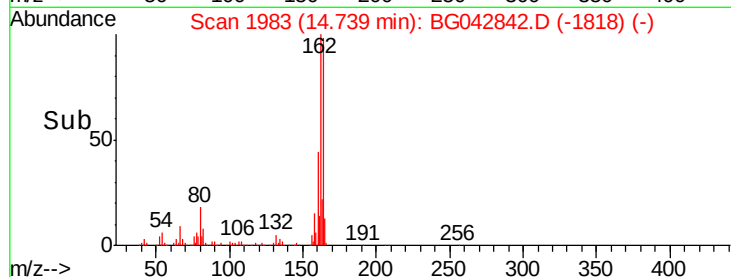
89 2.5 51.7 77.5#



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: 6.467 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.35 min

Lab File: BG042842.D

Acq: 16 Sep 2019 9:35

Tgt Ion:165 Resp: 31984

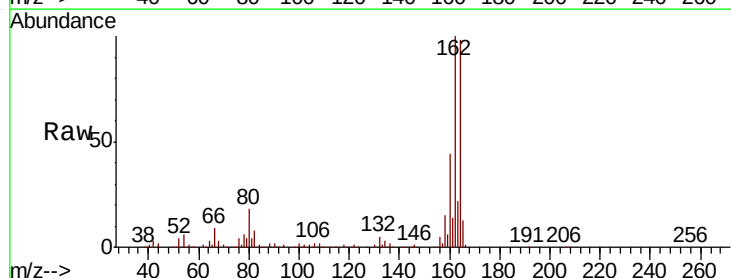
Ion Ratio Lower Upper

165 100

63 2.7 38.3 57.5#

89 2.5 58.4 87.6#

182 0.0 2.9 4.3#

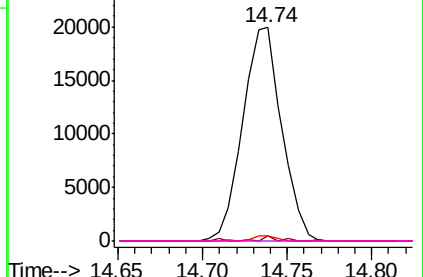
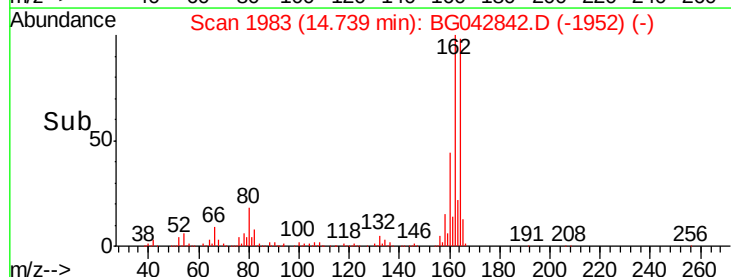


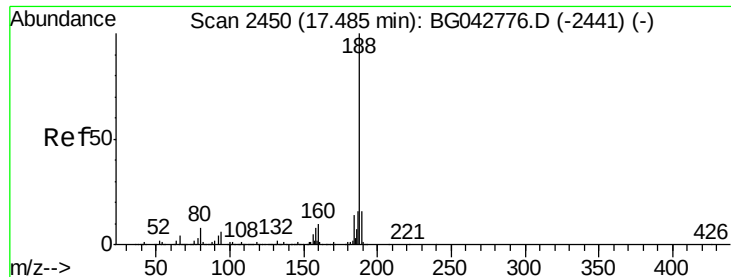
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG042842.D

Acq: 16 Sep 2019 9:35

Instrument :

BNA_G

ClientSampled :

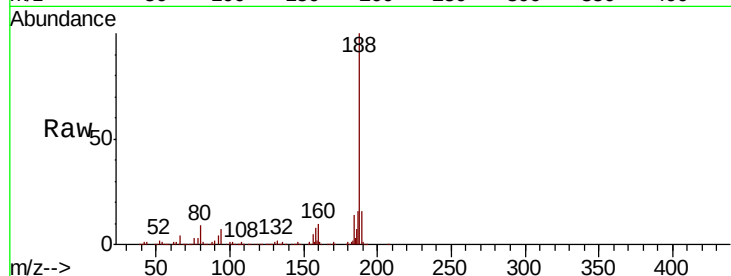
Tot Ion:188 Resp: 610641

Ion Ratio Lower Upper

188 100

94 7.1 4.8 7.2

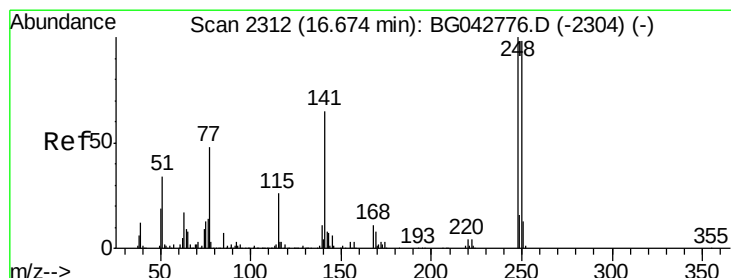
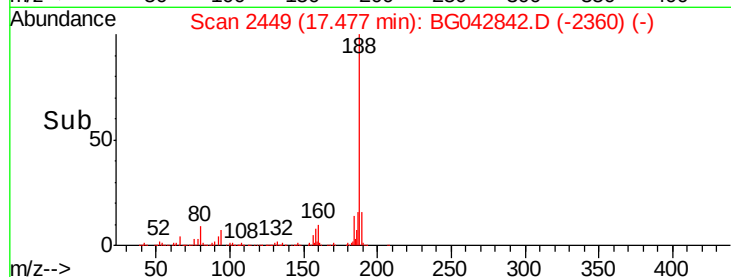
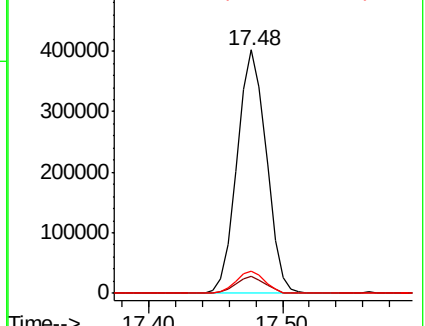
80 9.1 6.6 9.8



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: 3.569 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.46 min

Lab File: BG042842.D

Acq: 16 Sep 2019 9:35

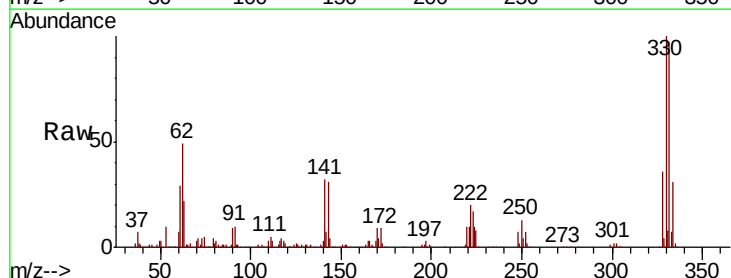
Tgt Ion:248 Resp: 26376

Ion Ratio Lower Upper

248 100

250 183.1 78.0 117.0#

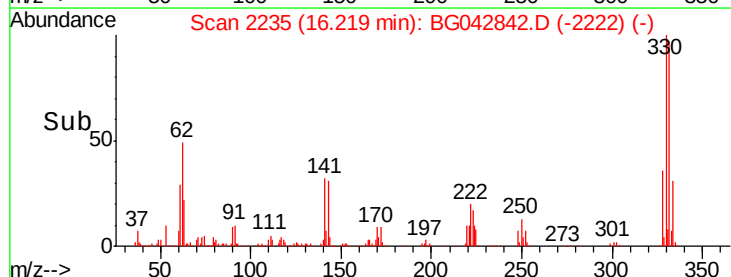
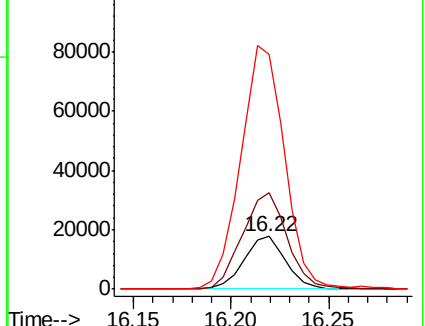
141 446.0 51.8 77.6#

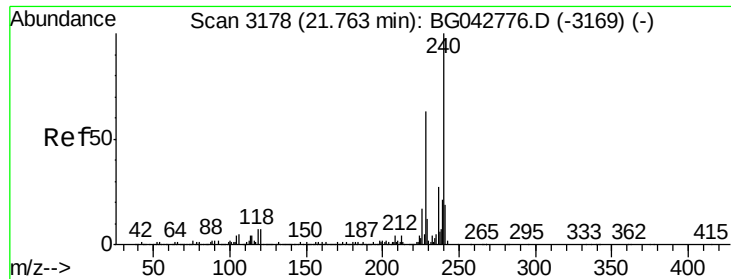


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

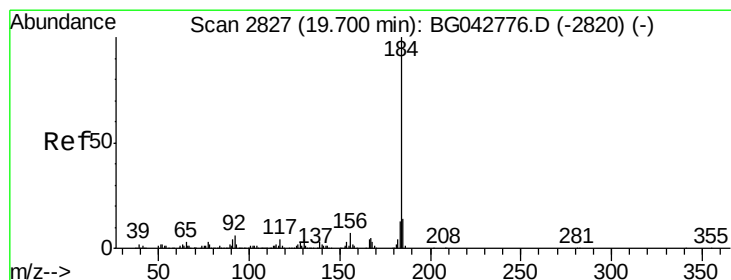
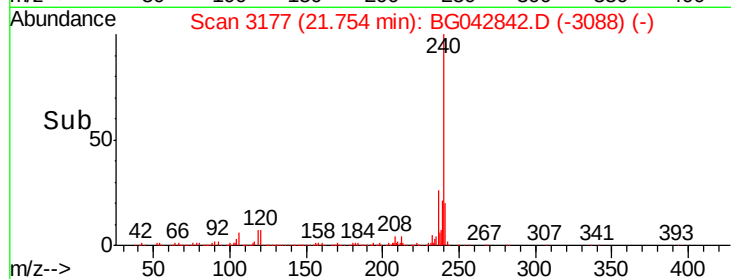
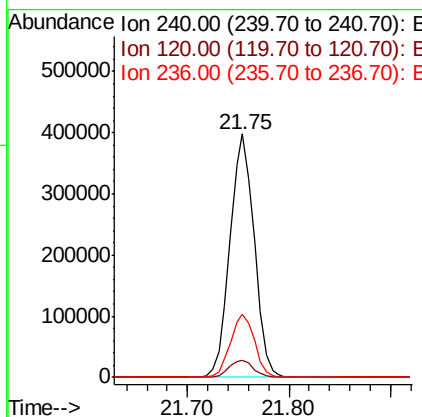
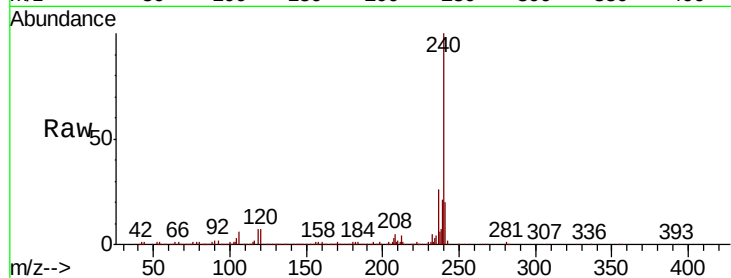




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3177
Delta R.T. -0.01 min
Lab File: BG042842.D
Acq: 16 Sep 2019 9:35

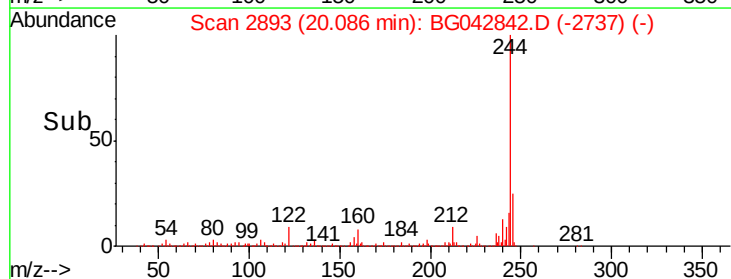
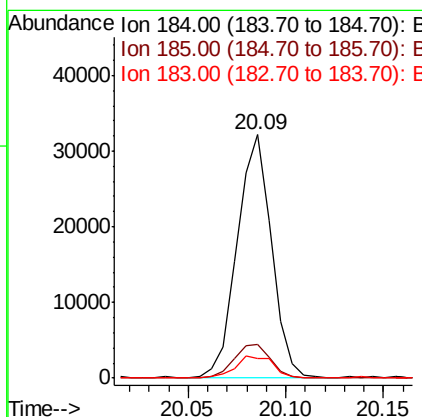
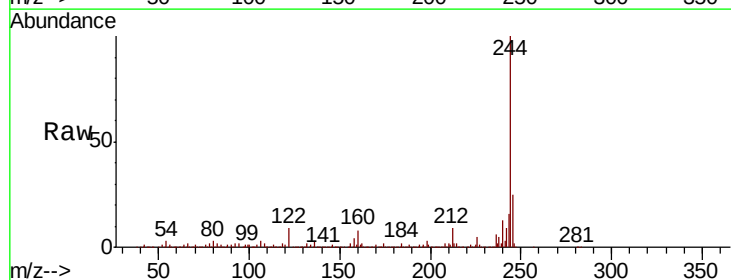
Instrument :
BNA_G
ClientSampled :

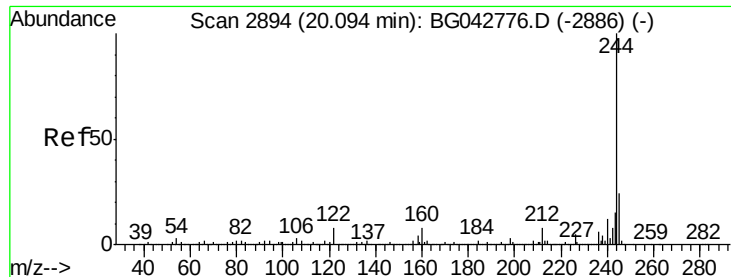
Tot Ion:240 Resp: 659211
Ion Ratio Lower Upper
240 100
120 7.1 5.4 8.2
236 26.1 21.7 32.5



#77
Benzidine
Concen: 2.131 ng
RT: 20.09 min Scan# 2893
Delta R.T. 0.39 min
Lab File: BG042842.D
Acq: 16 Sep 2019 9:35

Tgt Ion:184 Resp: 39249
Ion Ratio Lower Upper
184 100
185 13.9 11.6 17.4
183 8.0 10.4 15.6#





#79

Terphenyl-d14

Concen: 75.012 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042842.D

Acq: 16 Sep 2019 9:35

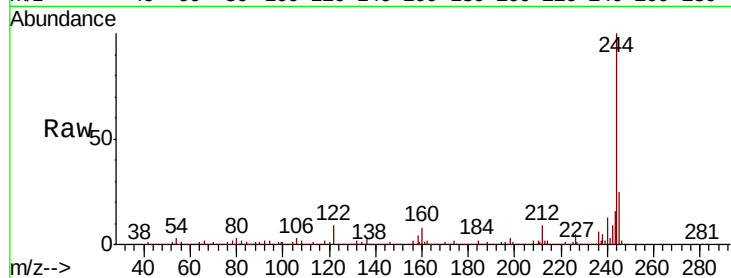
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2231146

Ion	Ratio	Lower	Upper
244	100		
212	9.4	6.6	10.0
122	9.4	6.2	9.4

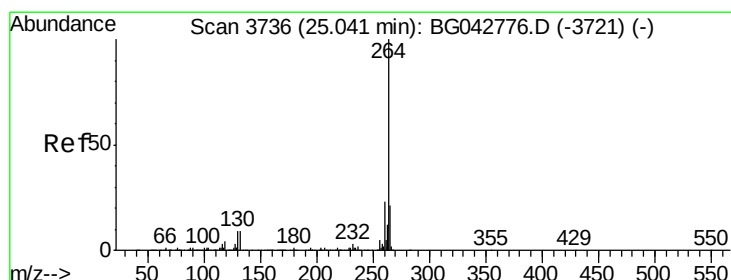
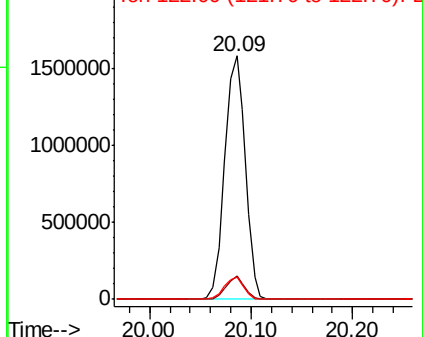
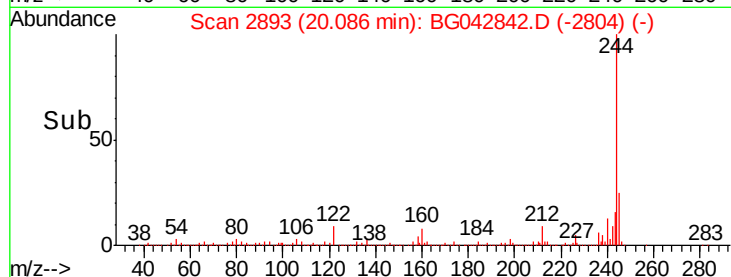


Abundance

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: 25.03 min Scan# 3734

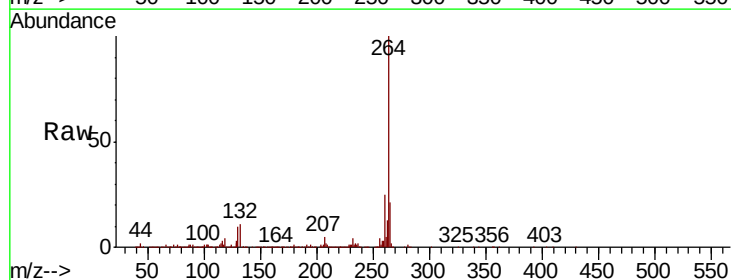
Delta R.T. -0.01 min

Lab File: BG042842.D

Acq: 16 Sep 2019 9:35

Tgt Ion:264 Resp: 687268

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.2	27.2
265	21.5	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

