

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
 Data File : BG042796.D
 Acq On : 13 Sep 2019 00:03
 Operator : HP/JU
 Sample : K4822-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 07:04:19 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

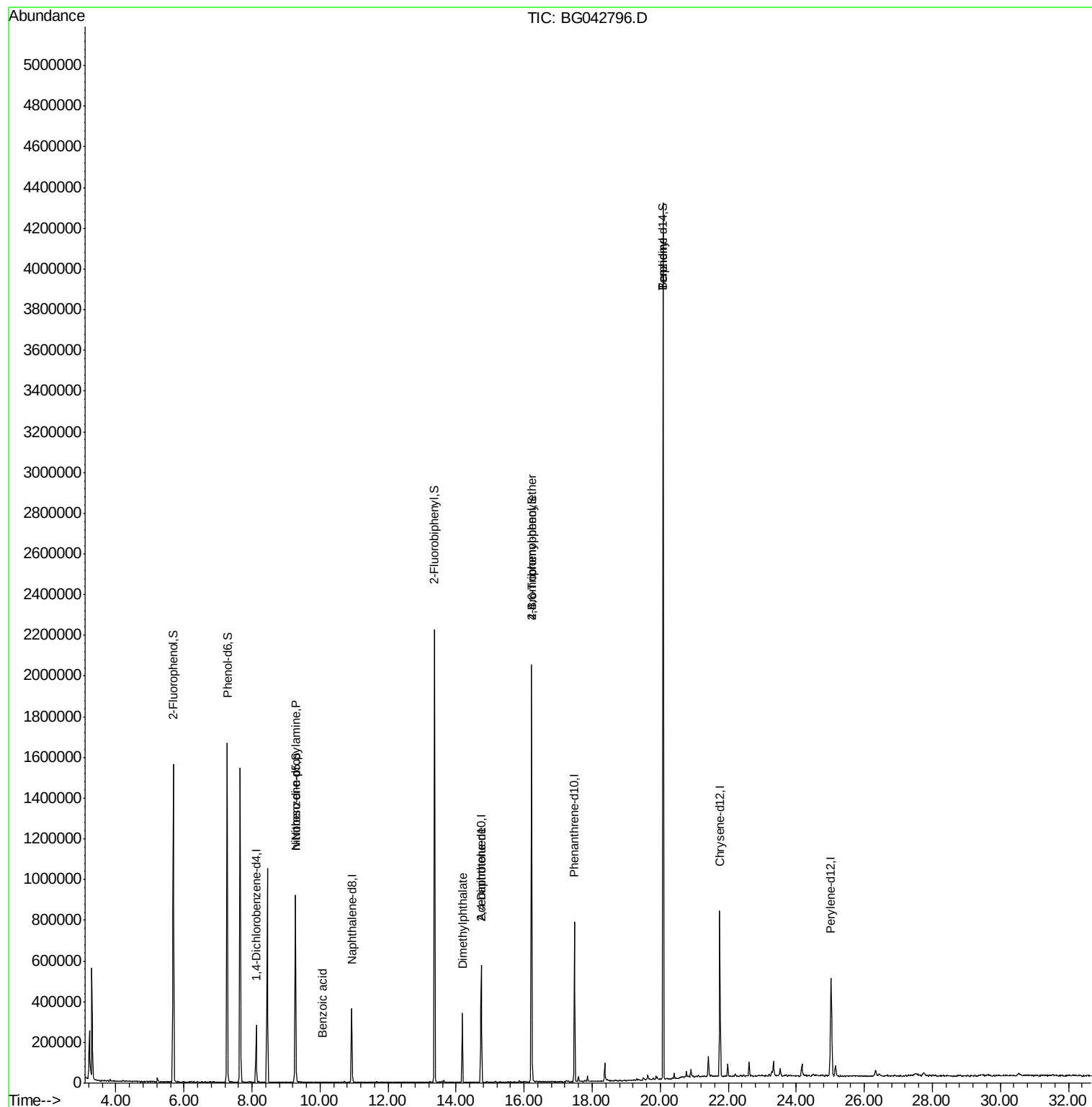
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	78709	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	298917	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	199844	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	477837	20.00	ng	0.00
76) Chrysene-d12	21.75	240	497745	20.00	ng	0.00
87) Perylene-d12	25.02	264	537849	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	616945	136.27	ng	0.00
7) Phenol-d6	7.27	99	917508	141.19	ng	0.00
23) Nitrobenzene-d5	9.27	82	553210	96.35	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	386583	145.40	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	1170456	92.71	ng	0.00
79) Terphenyl-d14	20.08	244	1985726	88.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	75975	15.867	ng	# 68
32) Benzoic acid	10.09	122	62	5.980	ng	# 78
50) Dimethylphthalate	14.19	163	227420	15.191	ng	# 99
57) 2,4-Dinitrotoluene	14.73	165	27003	6.595	ng	# 25
67) 4-Bromophenyl-phenylether	16.22	248	26869	4.646	ng	# 1
77) Benzidine	20.08	184	34832	2.505	ng	# 95

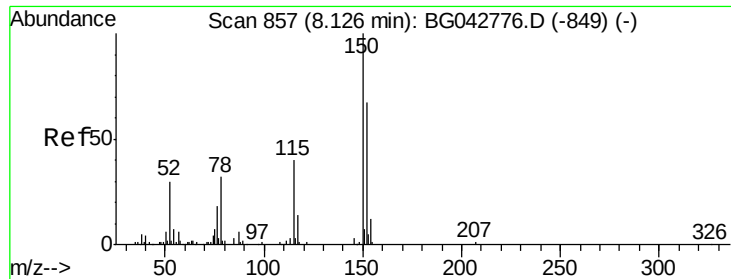
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
Data File : BG042796.D
Acq On : 13 Sep 2019 00:03
Operator : HP/JU
Sample : K4822-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 13 06:42:09 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



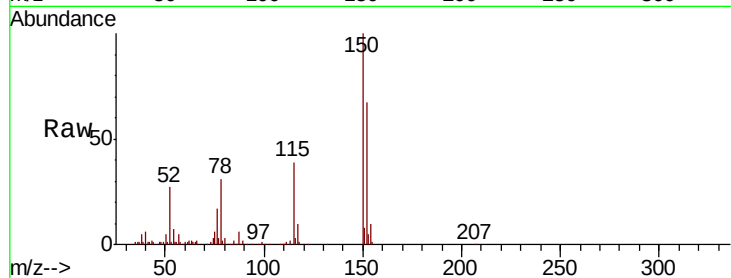


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042796.D
Acq: 13 Sep 2019 00:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.0	118.9	178.3
115	58.8	47.4	71.2

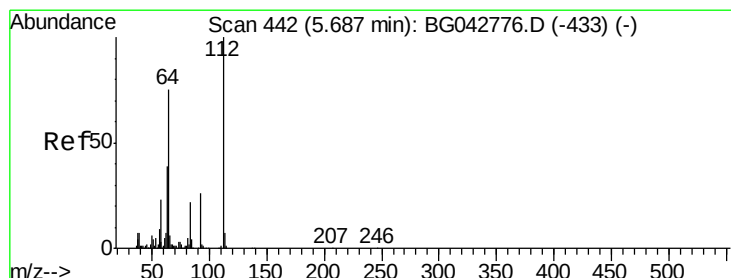
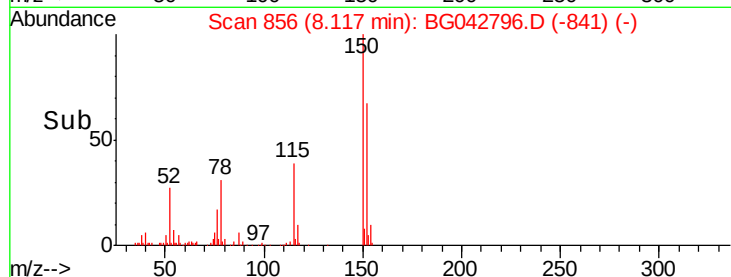
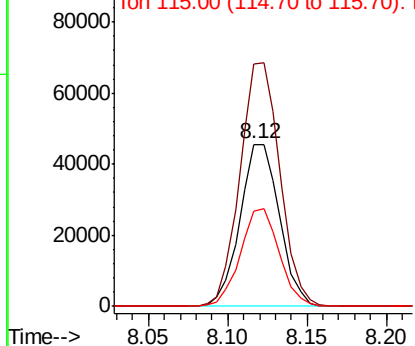


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

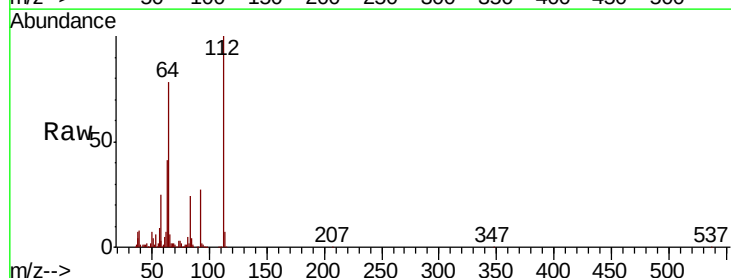
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 136.273 ng
RT: 5.68 min Scan# 442
Delta R.T. -0.00 min
Lab File: BG042796.D
Acq: 13 Sep 2019 00:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.7	60.2	90.2
63	41.1	31.2	46.8

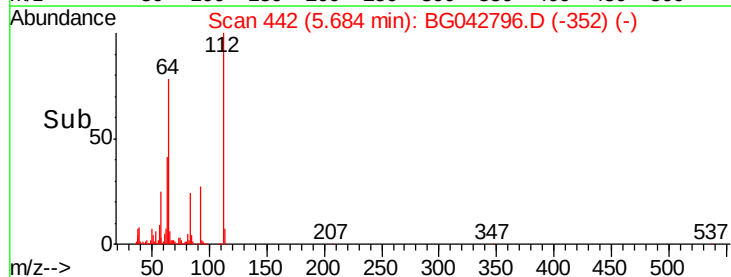
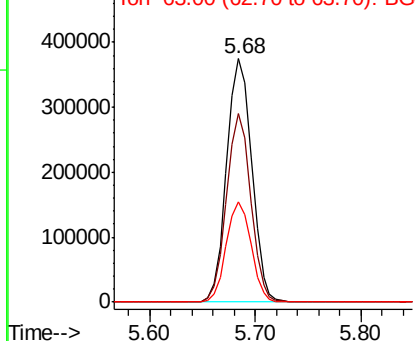


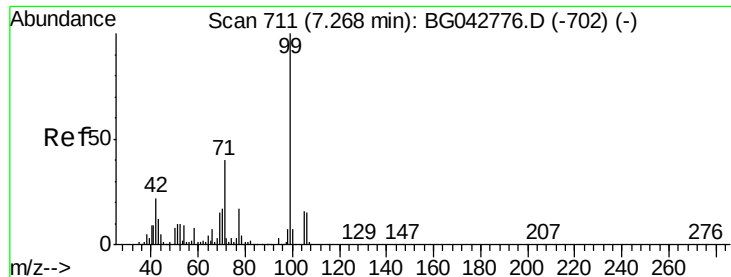
Abundance

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: 141.195 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG042796.D

Acq: 13 Sep 2019 00:03

Instrument :

BNA_G

ClientSampleId :

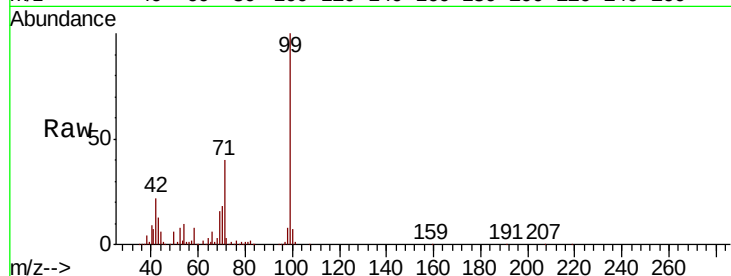
Tot Ion: 99 Resp: 917508

Ion Ratio Lower Upper

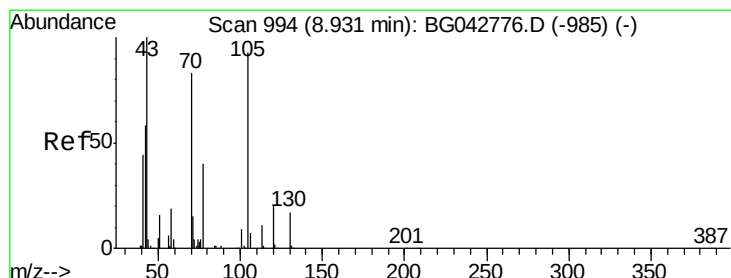
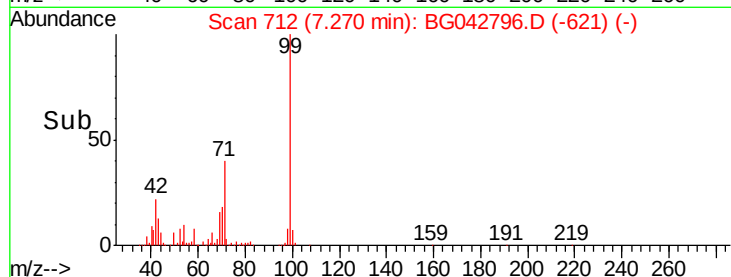
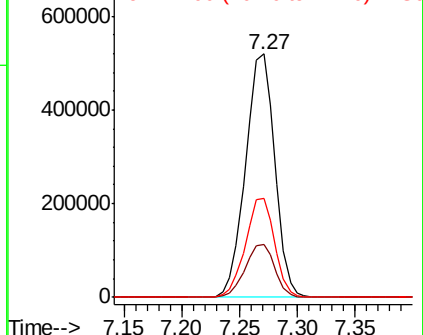
99 100

42 21.7 17.5 26.3

71 40.4 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: 15.867 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.35 min

Lab File: BG042796.D

Acq: 13 Sep 2019 00:03

Tgt Ion: 70 Resp: 75975

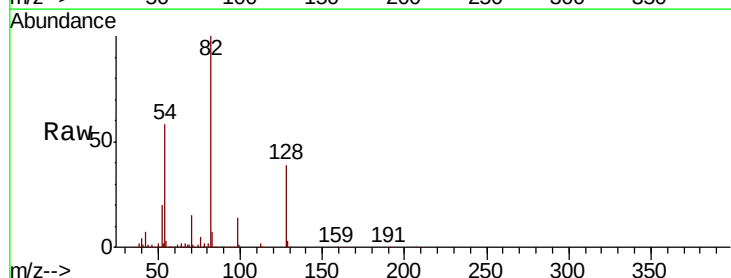
Ion Ratio Lower Upper

70 100

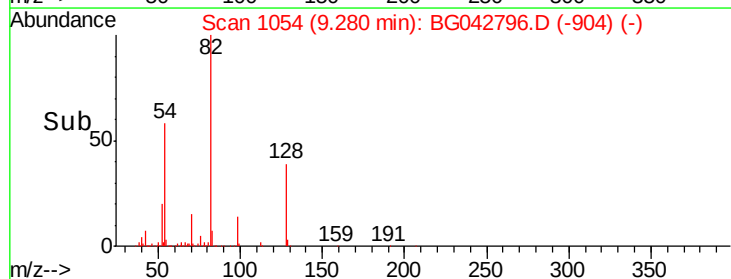
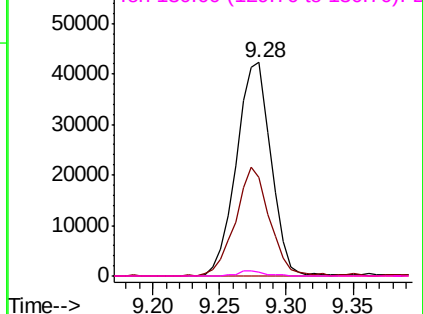
42 46.4 57.0 85.6#

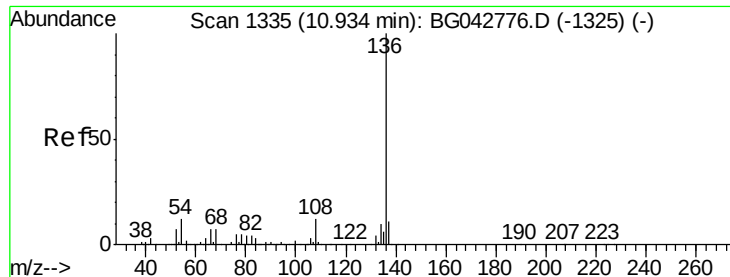
101 0.0 8.4 12.6#

130 1.6 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

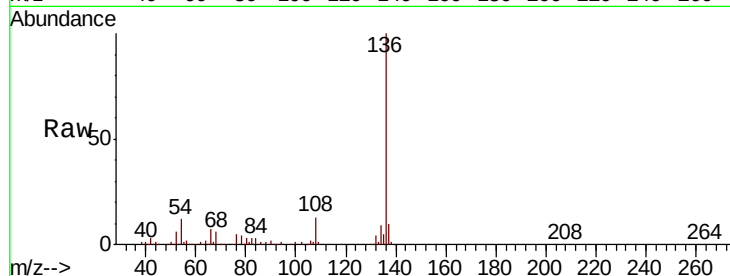




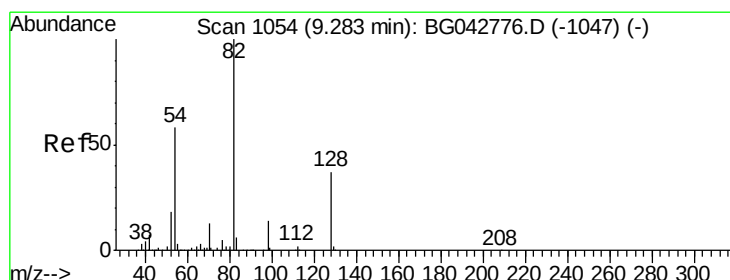
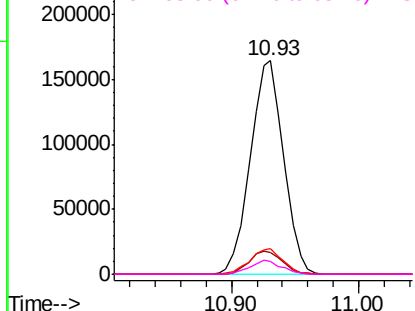
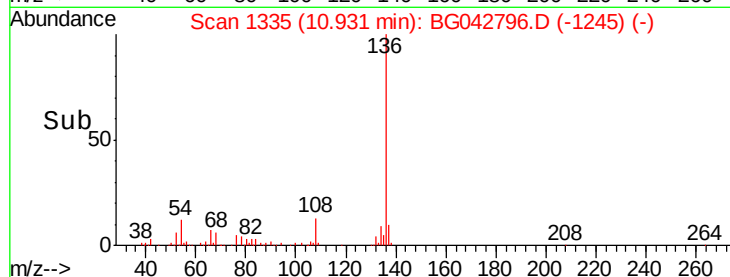
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BG042796.D
Acq: 13 Sep 2019 00:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	298917
Ion	Ratio	Lower Upper
136	100	
137	10.3	9.0 13.6
54	11.8	9.4 14.0
68	5.9	5.4 8.2

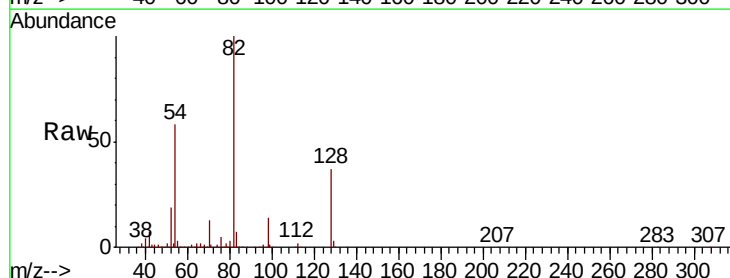


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

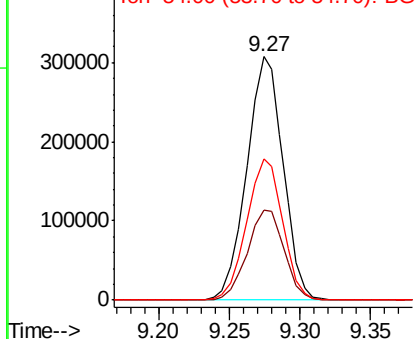
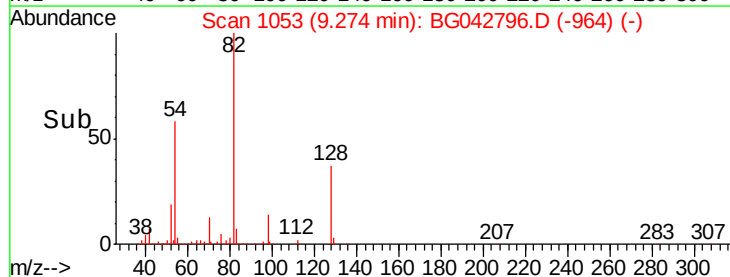


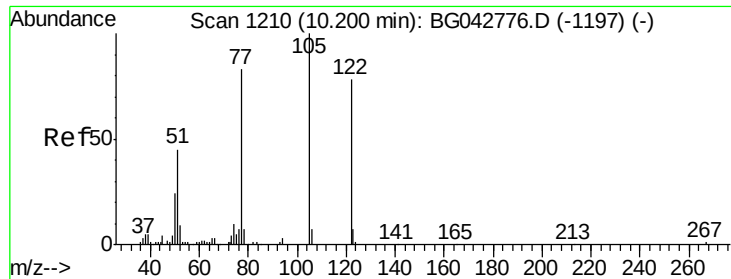
#23
Nitrobenzene-d5
Concen: 96.353 ng
RT: 9.27 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042796.D
Acq: 13 Sep 2019 00:03

Tgt Ion: 82	Resp:	553210
Ion	Ratio	Lower Upper
82	100	
128	36.8	29.8 44.8
54	57.9	46.1 69.1



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

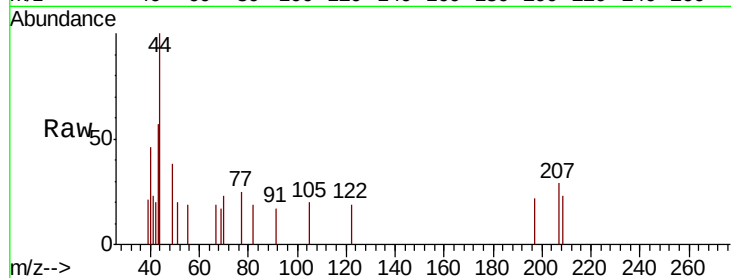




#32
Benzoic acid
Concen: 5.980 ng
RT: 10.09 min Scan# 1192
Delta R.T. -0.11 min
Lab File: BG042796.D
Acq: 13 Sep 2019 00:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	104.5	104.0	144.0
77	131.8	84.2	124.2

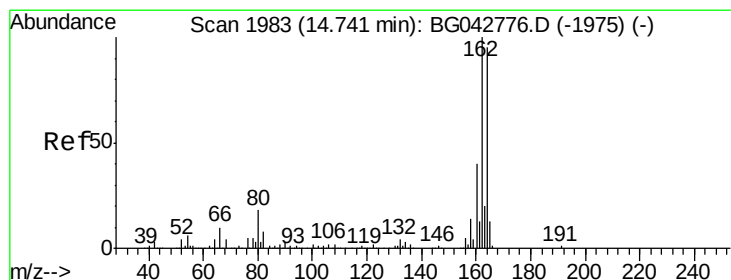
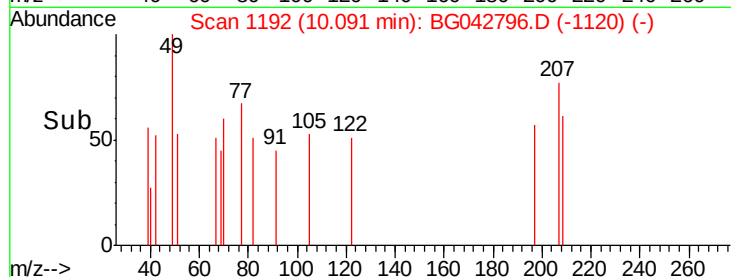
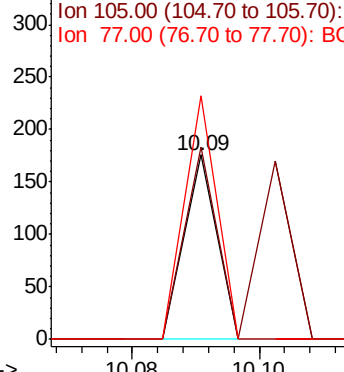


Abundance

Ion 122.00 (121.70 to 122.70): E

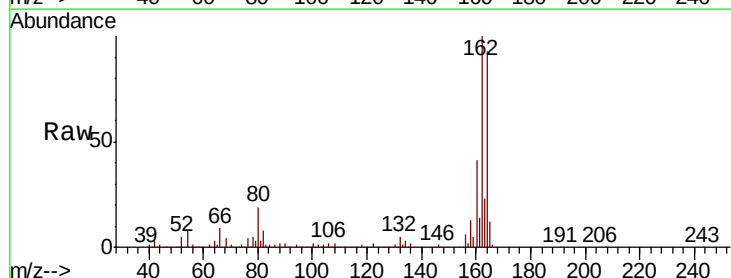
Ion 105.00 (104.70 to 105.70): E

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: BG042796.D
Acq: 13 Sep 2019 00:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.1	84.6	126.8
160	44.2	34.2	51.2

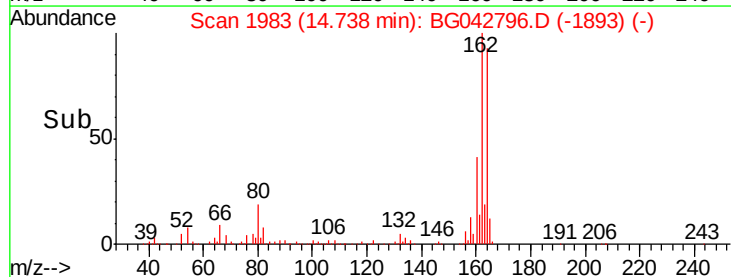
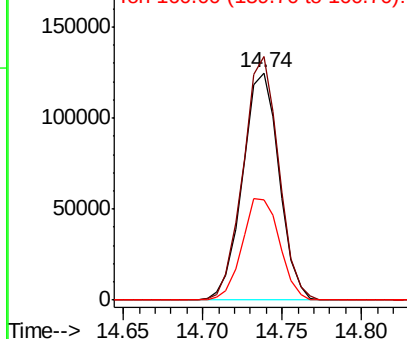


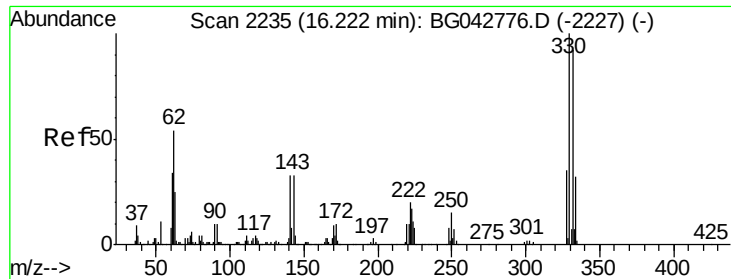
Abundance

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

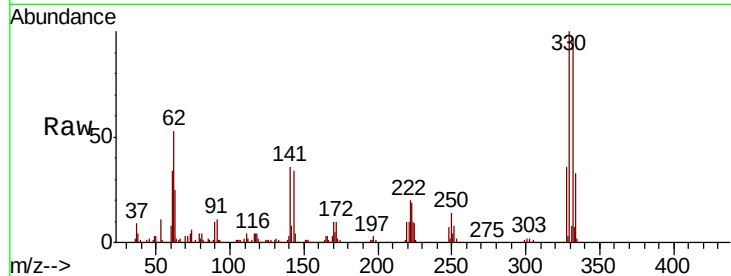




#42
2,4,6-Tribromophenol
Concen: 145.399 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BG042796.D
Acq: 13 Sep 2019 00:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	36.5	27.0	40.6

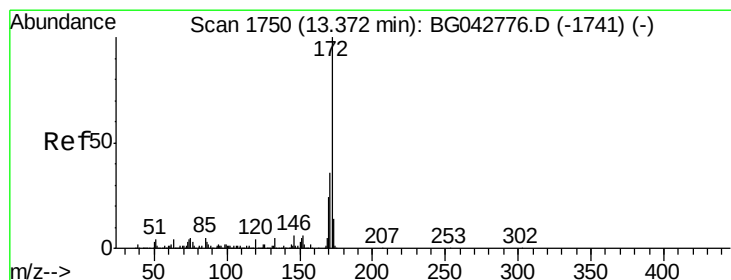
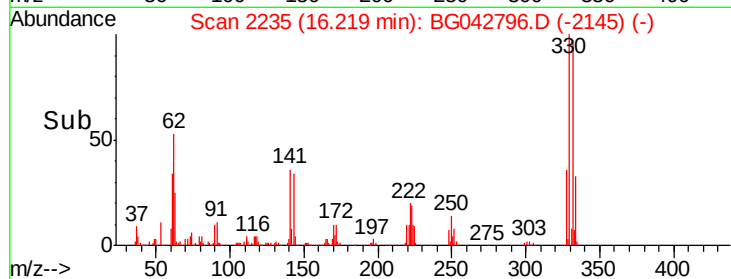
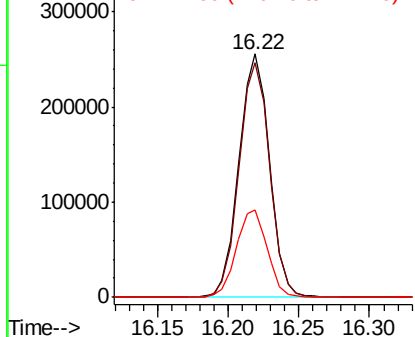


Abundance

Ion 329.80 (329.50 to 330.50): E

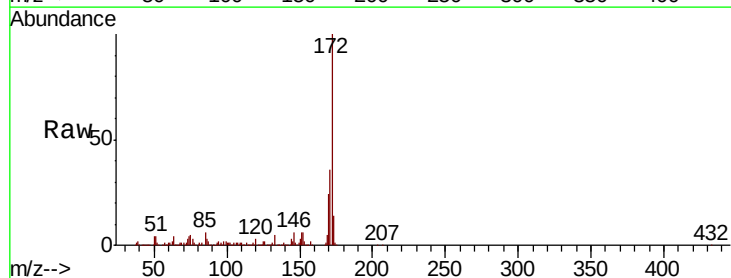
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 92.710 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.00 min
Lab File: BG042796.D
Acq: 13 Sep 2019 00:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	24.2	19.1	28.7

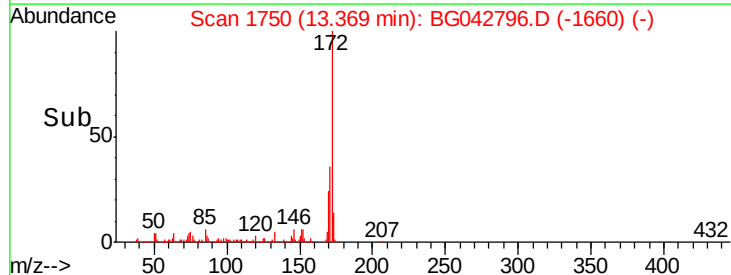
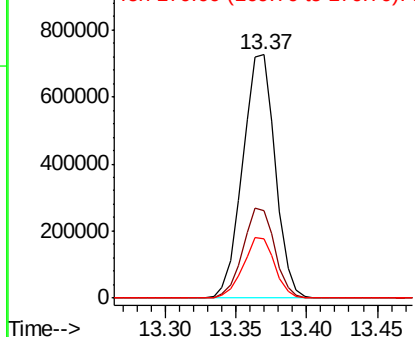


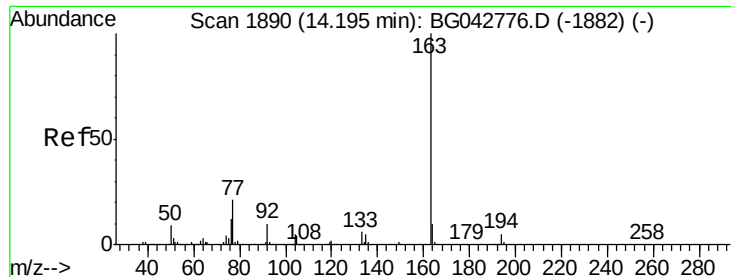
Abundance

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





#50

Dimethylphthalate

Concen: 15.191 ng

RT: 14.19 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BG042796.D

Acq: 13 Sep 2019 00:03

Instrument :

BNA_G

ClientSampleId :

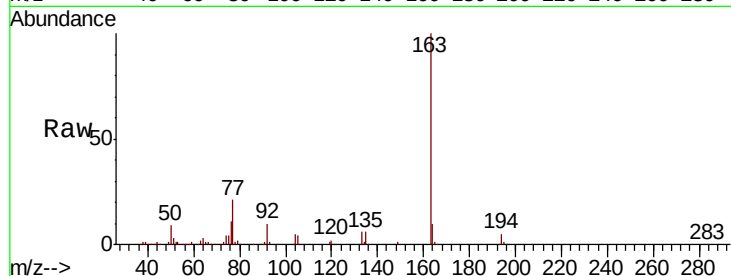
Tot Ion:163 Resp: 227420

Ion Ratio Lower Upper

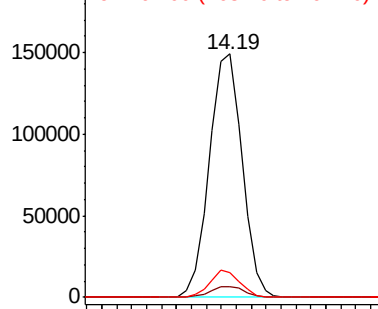
163 100

194 4.6 4.2 6.4

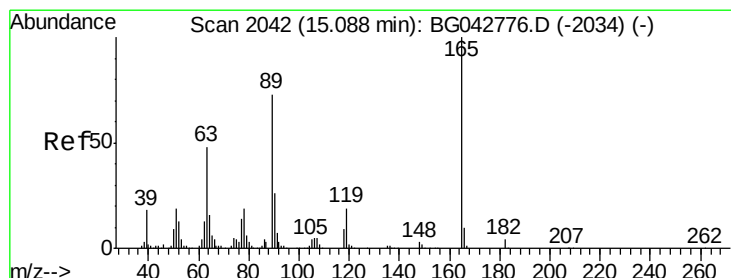
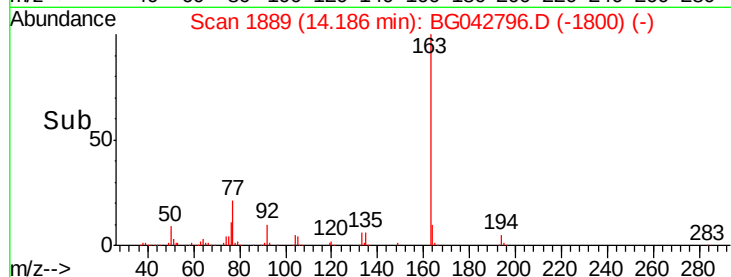
164 10.3 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->



#57

2,4-Dinitrotoluene

Concen: 6.595 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.36 min

Lab File: BG042796.D

Acq: 13 Sep 2019 00:03

Tgt Ion:165 Resp: 27003

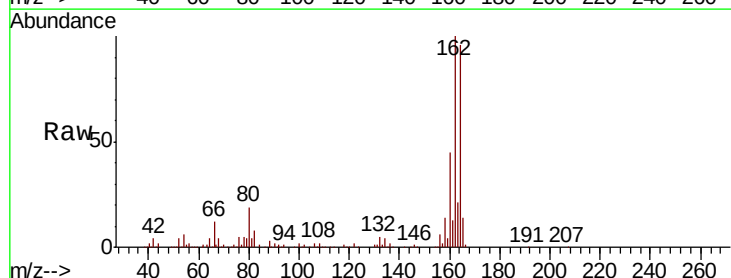
Ion Ratio Lower Upper

165 100

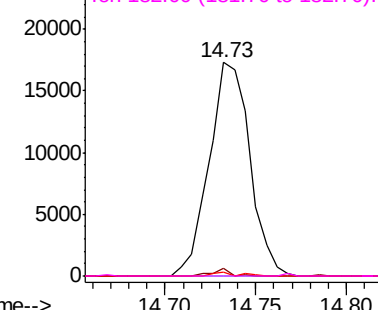
63 3.7 38.3 57.5#

89 2.0 58.4 87.6#

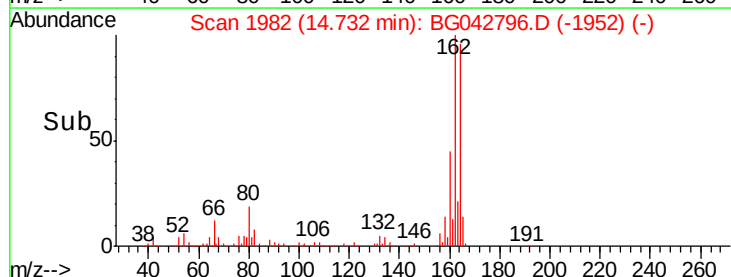
182 0.0 2.9 4.3#

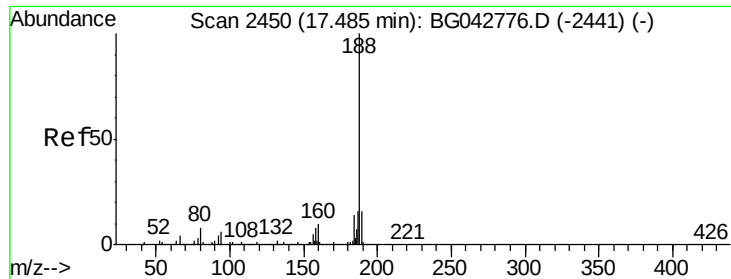


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BG042796.D

Acq: 13 Sep 2019 00:03

Instrument :

BNA_G

ClientSampleId :

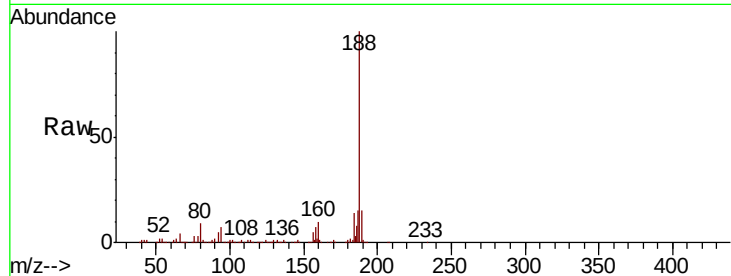
Tot Ion:188 Resp: 477837

Ion Ratio Lower Upper

188 100

94 7.4 4.8 7.2#

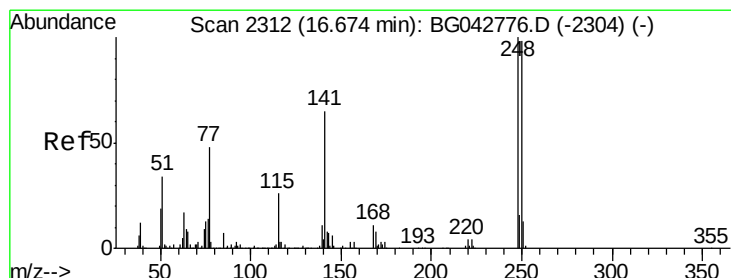
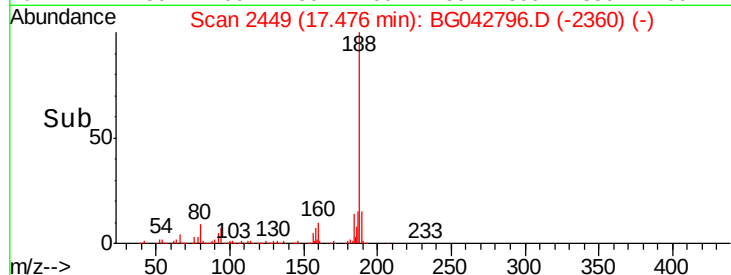
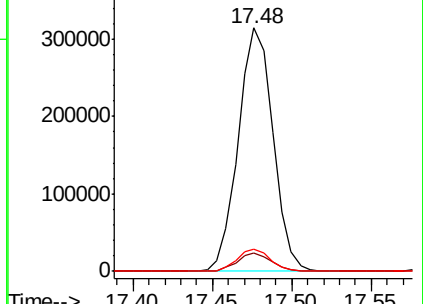
80 8.9 6.6 9.8



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: 4.646 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.46 min

Lab File: BG042796.D

Acq: 13 Sep 2019 00:03

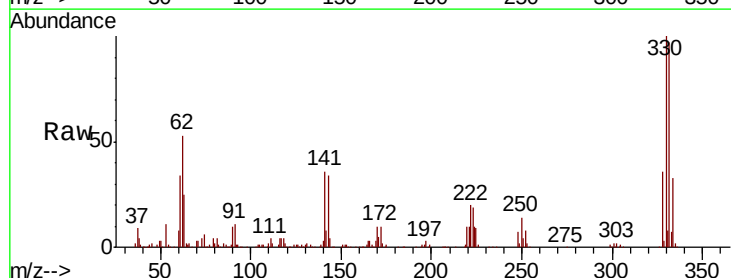
Tgt Ion:248 Resp: 26869

Ion Ratio Lower Upper

248 100

250 209.5 78.0 117.0#

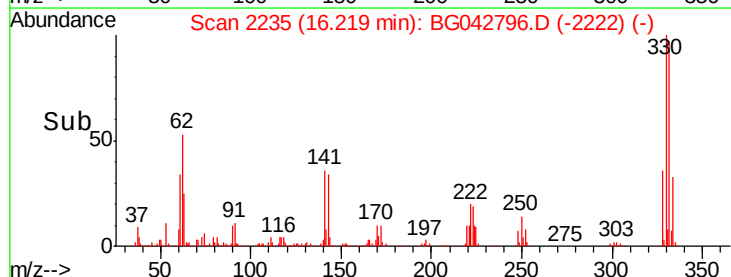
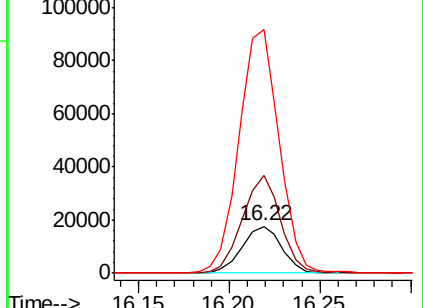
141 522.5 51.8 77.6#

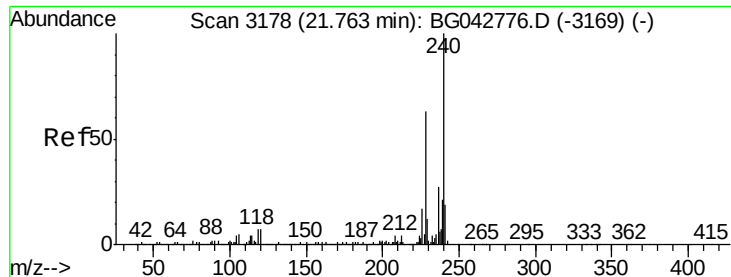


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

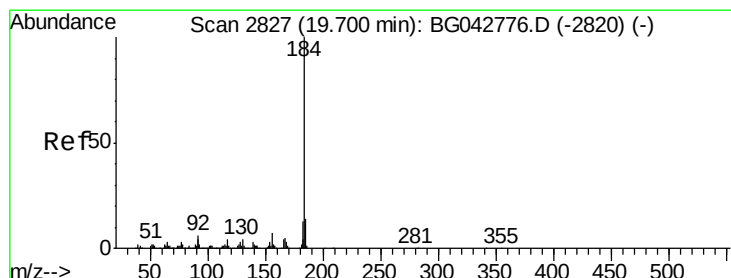
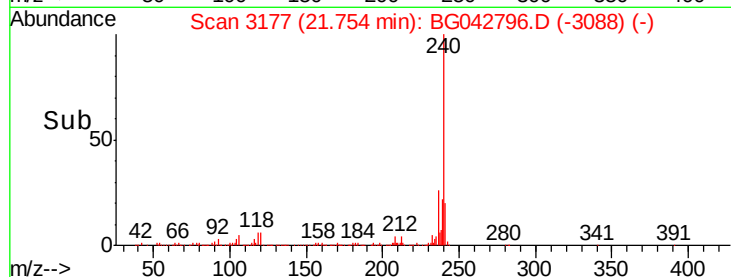
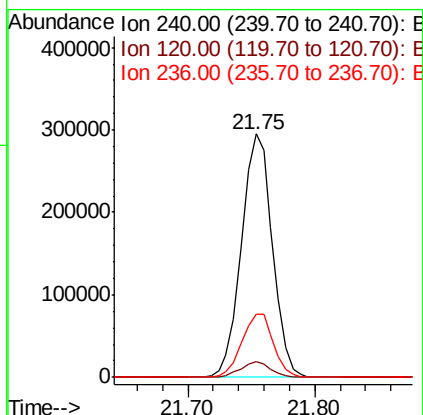
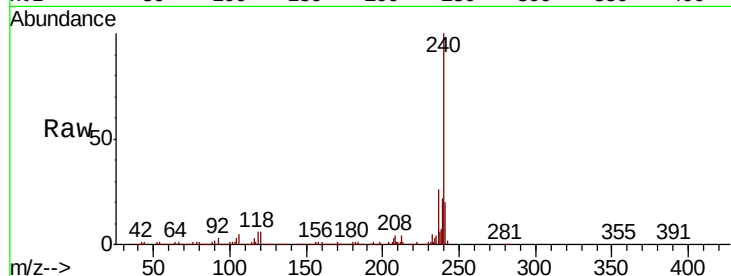




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3177
Delta R.T. -0.01 min
Lab File: BG042796.D
Acq: 13 Sep 2019 00:03

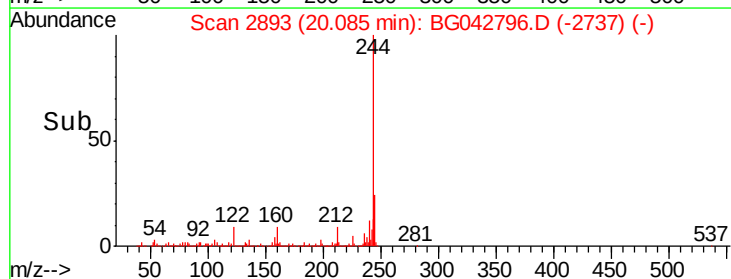
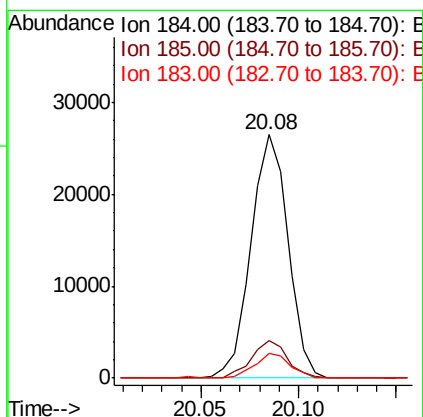
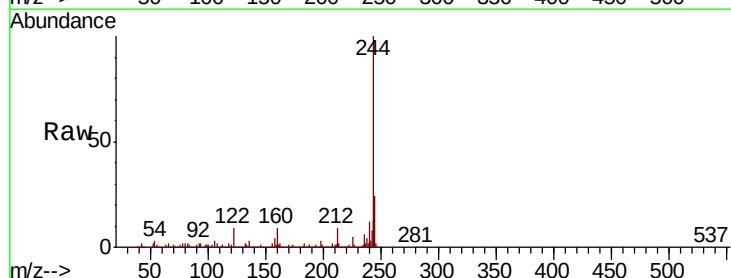
Instrument :
BNA_G
ClientSampleId :

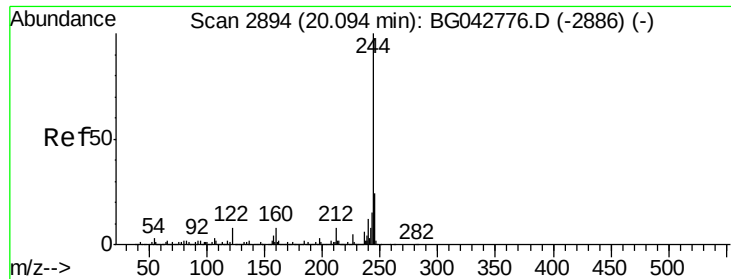
Tot Ion:240 Resp: 497745
Ion Ratio Lower Upper
240 100
120 6.5 5.4 8.2
236 25.9 21.7 32.5



#77
Benzidine
Concen: 2.505 ng
RT: 20.08 min Scan# 2893
Delta R.T. 0.38 min
Lab File: BG042796.D
Acq: 13 Sep 2019 00:03

Tgt Ion:184 Resp: 34832
Ion Ratio Lower Upper
184 100
185 15.7 11.6 17.4
183 10.0 10.4 15.6#





#79

Terphenyl-d14

Concen: 88.417 ng

RT: 20.08 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042796.D

Acq: 13 Sep 2019 00:03

Instrument :

BNA_G

ClientSampleId :

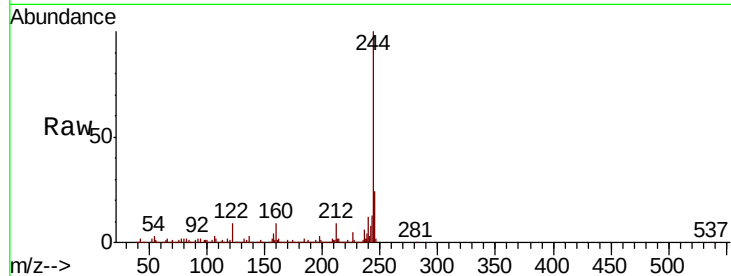
Tot Ion:244 Resp: 1985726

Ion Ratio Lower Upper

244 100

212 9.0 6.6 10.0

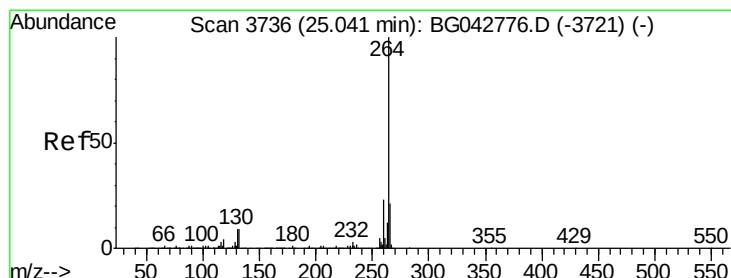
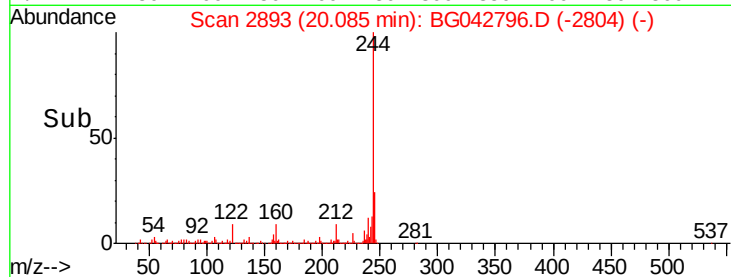
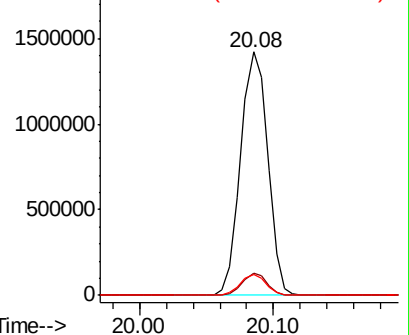
122 8.7 6.2 9.4



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: BG042796.D

Acq: 13 Sep 2019 00:03

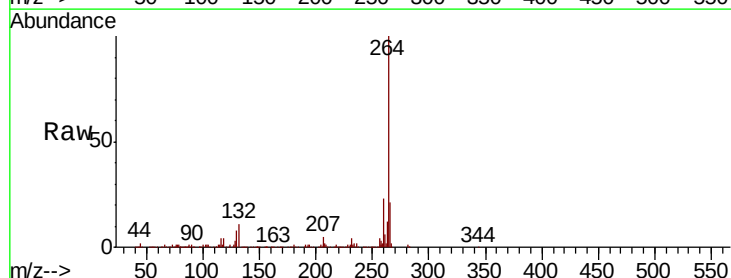
Tgt Ion:264 Resp: 537849

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.2

265 21.0 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

