

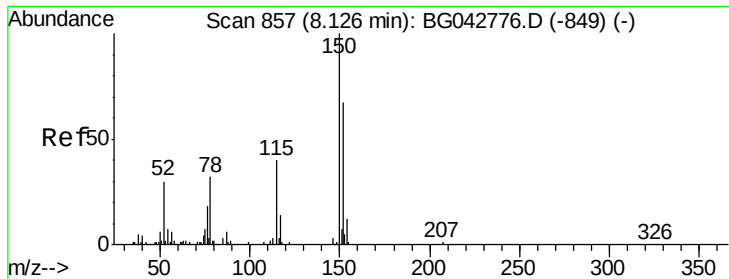
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091719\
 Data File : BG042882.D
 Acq On : 18 Sep 2019 00:29
 Operator : HP/JU
 Sample : K4871-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 18 01:54:36 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	8.11	152	62163	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	262195	20.00	ng	-0.02
39) Acenaphthene-d10	14.72	164	175360	20.00	ng	-0.02
64) Phenanthrene-d10	17.46	188	389746	20.00	ng	-0.02
76) Chrysene-d12	21.75	240	364422	20.00	ng	-0.01
87) Perylene-d12	25.01	264	390139	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	194924	54.52	ng	0.01
7) Phenol-d6	7.29	99	179378	34.95	ng	0.03
23) Nitrobenzene-d5	9.27	82	437731	86.92	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	322247	138.12	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	999852	90.25	ng	-0.02
79) Terphenyl-d14	20.07	244	1448431	88.09	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.30	88	8205	5.028	ng	# 1
10) Phenol	7.32	94	36410	6.918	ng	# 89
19) n-Nitroso-di-n-propylamine	9.27	70	64324	17.009	ng	# 71
32) Benzoic acid	10.28	122	87	5.990	ng	# 1
50) Dimethylphthalate	14.18	163	84844	6.459	ng	# 98
67) 4-Bromophenyl-phenylether	16.21	248	21546	4.567	ng	# 1

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

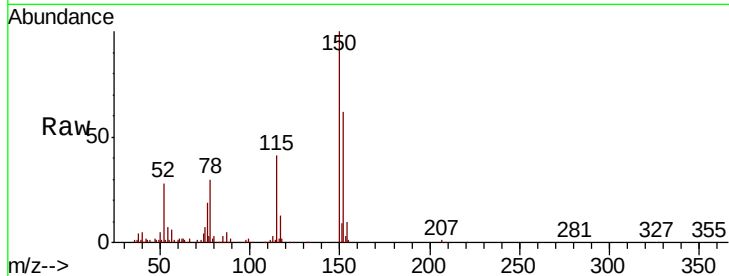


#1

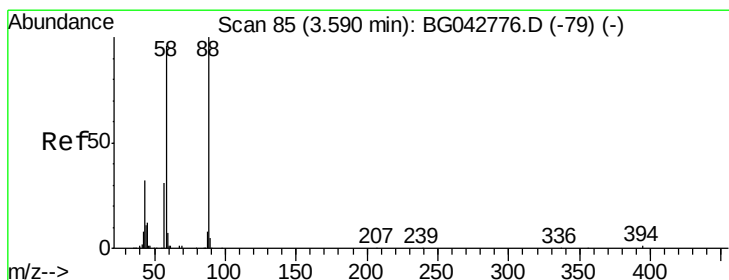
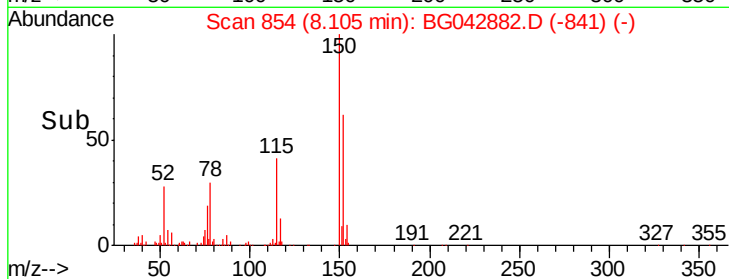
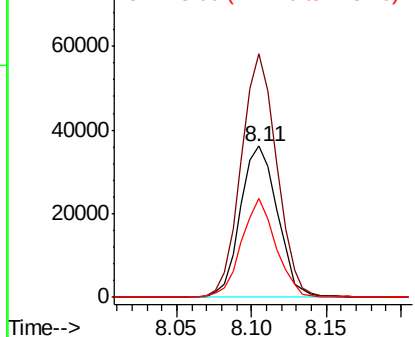
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BG042882.D
Acq: 18 Sep 2019 00:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62163
Ion Ratio Lower Upper
152 100
150 161.3 118.9 178.3
115 65.9 47.4 71.2



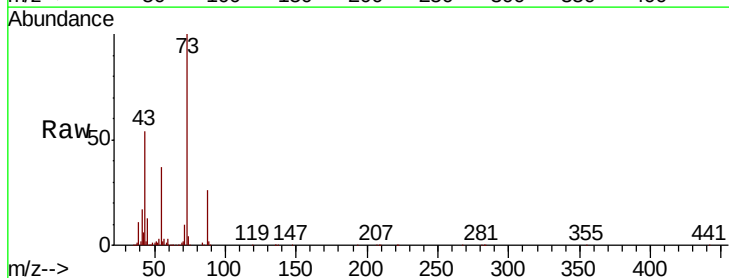
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



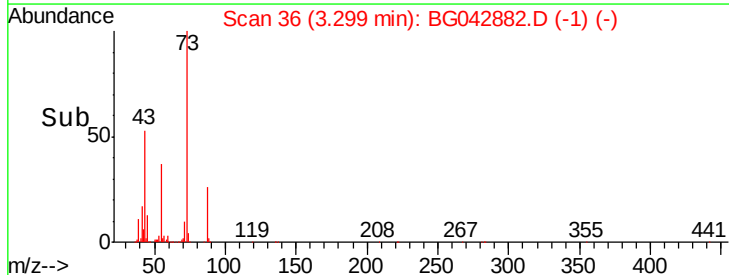
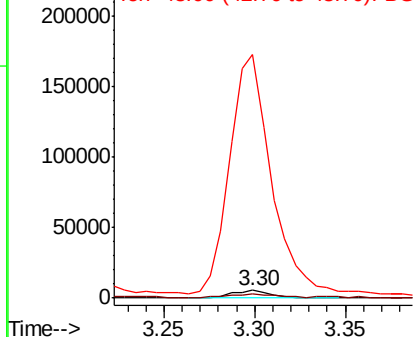
#2

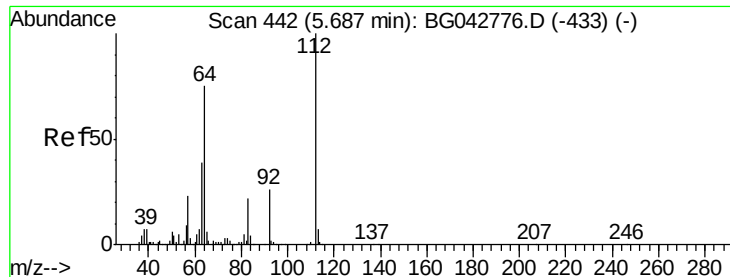
1,4-Dioxane
Concen: 5.028 ng
RT: 3.30 min Scan# 36
Delta R.T. -0.29 min
Lab File: BG042882.D
Acq: 18 Sep 2019 00:29

Tgt Ion: 88 Resp: 8205
Ion Ratio Lower Upper
88 100
58 55.8 79.1 118.7#
43 3365.3 30.4 45.6#



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





#5

2-Fluorophenol

Concen: 54.516 ng

RT: 5.70 min Scan# 445

Delta R.T. 0.01 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

Instrument :

BNA_G

ClientSampleId :

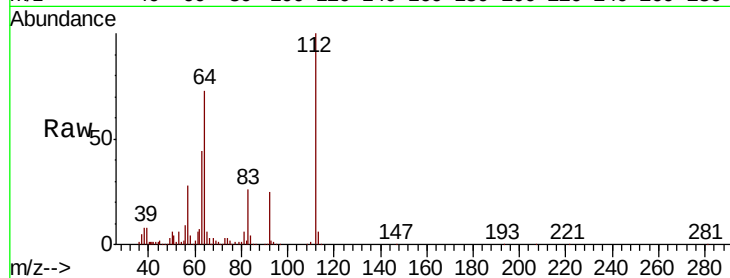
Tot Ion: 112 Resp: 194924

Ion Ratio Lower Upper

112 100

64 72.8 60.2 90.2

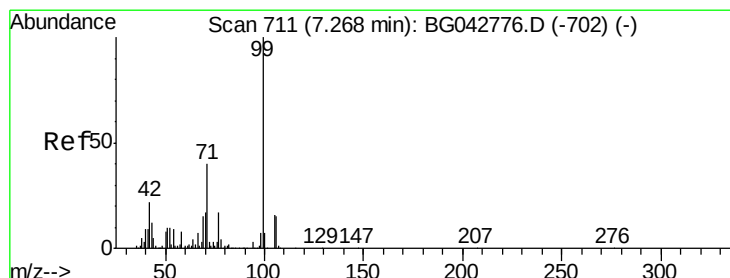
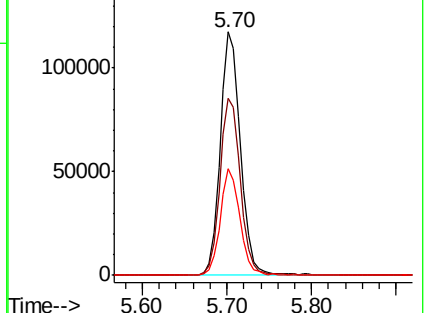
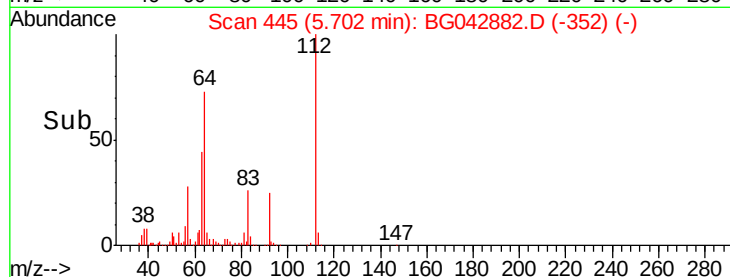
63 43.8 31.2 46.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 34.952 ng

RT: 7.29 min Scan# 716

Delta R.T. 0.03 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

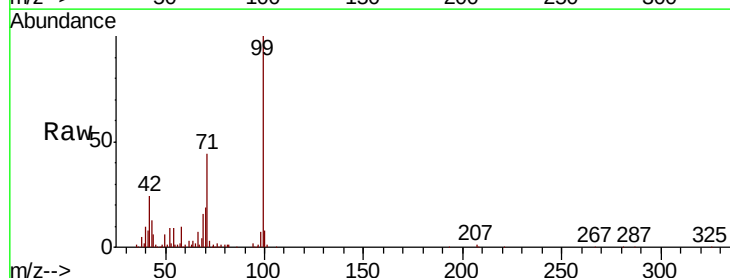
Tgt Ion: 99 Resp: 179378

Ion Ratio Lower Upper

99 100

42 24.3 17.5 26.3

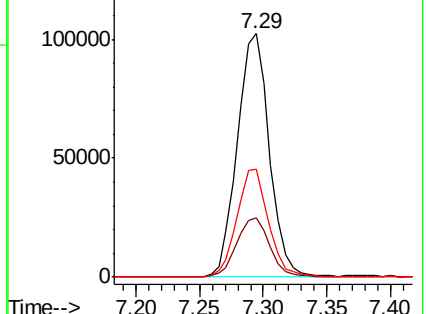
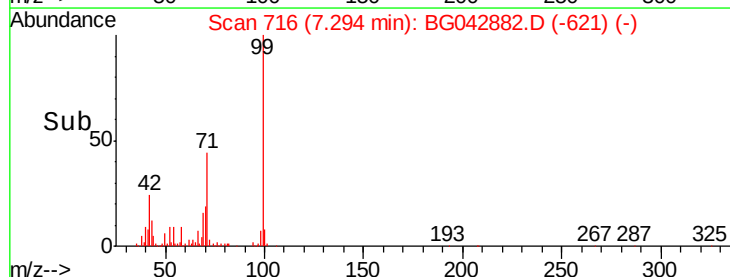
71 44.2 32.0 48.0

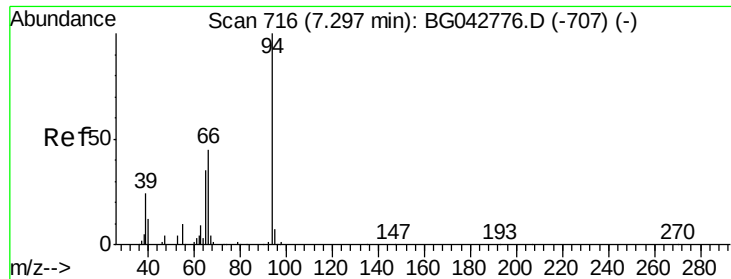


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 6.918 ng

RT: 7.32 min Scan# 720

Delta R.T. 0.02 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

Instrument :

BNA_G

ClientSampled :

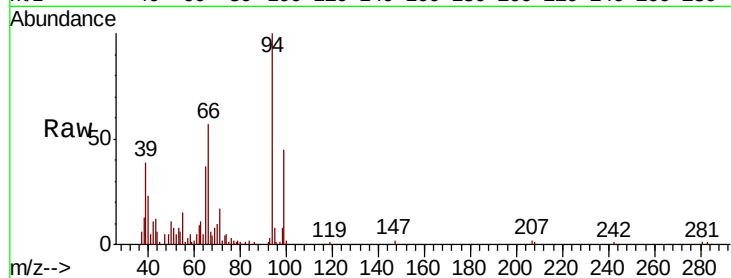
Tot Ion: 94 Resp: 36410

Ion Ratio Lower Upper

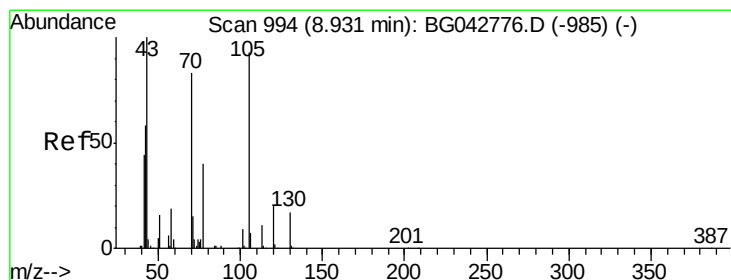
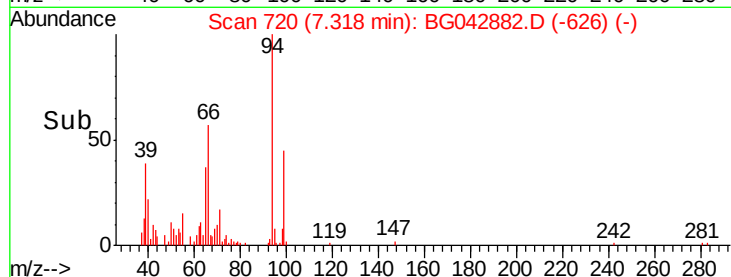
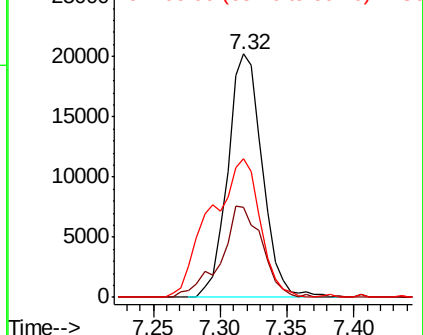
94 100

65 36.8 15.0 55.0

66 56.8 26.1 66.1



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: 17.009 ng

RT: 9.27 min Scan# 1052

Delta R.T. 0.34 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

Tgt Ion: 70 Resp: 64324

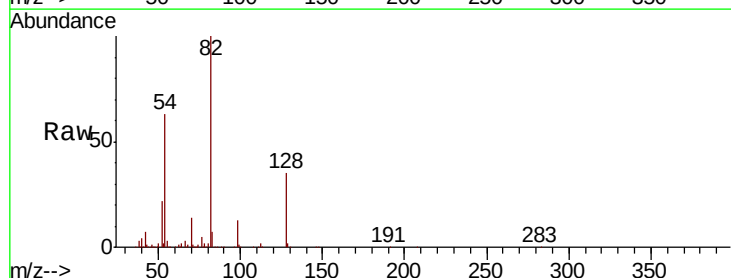
Ion Ratio Lower Upper

70 100

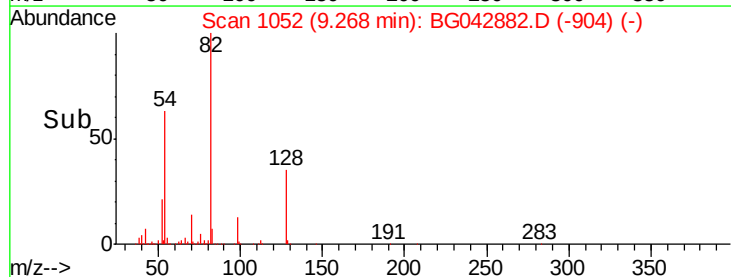
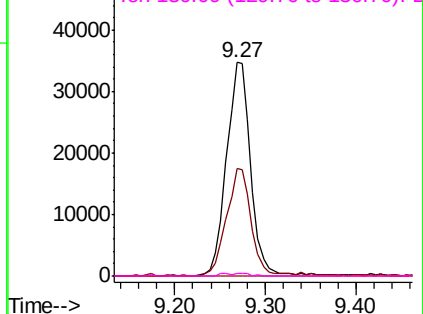
42 50.2 57.0 85.6#

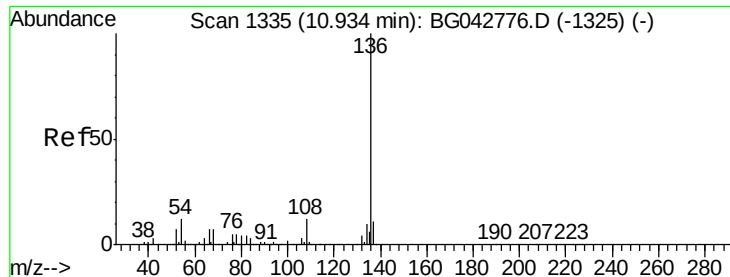
101 0.0 8.4 12.6#

130 1.2 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

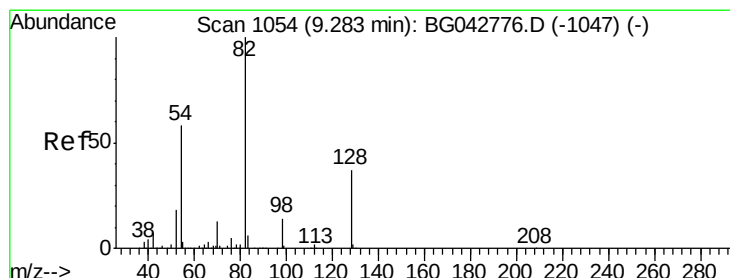
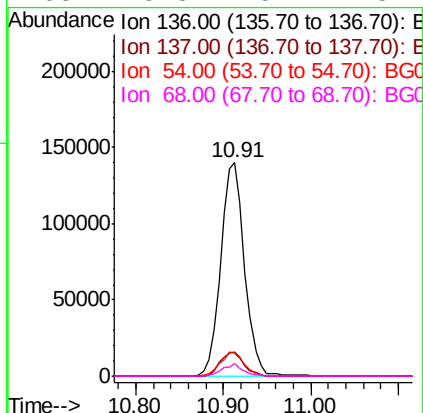
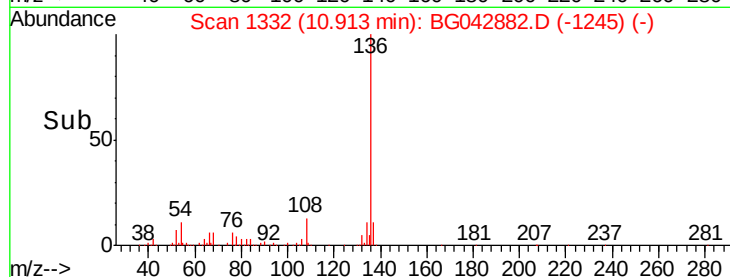
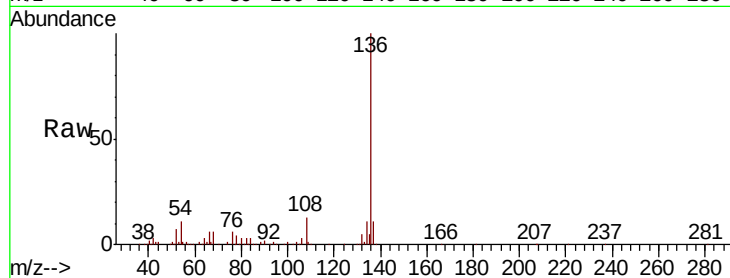




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BG042882.D
Acq: 18 Sep 2019 00:29

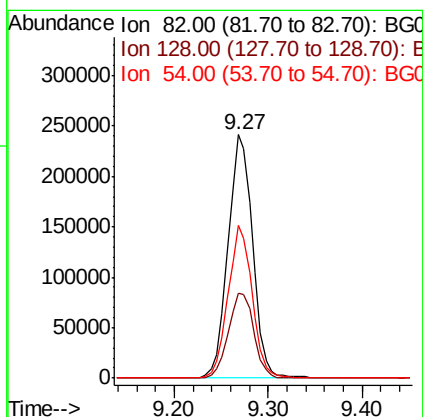
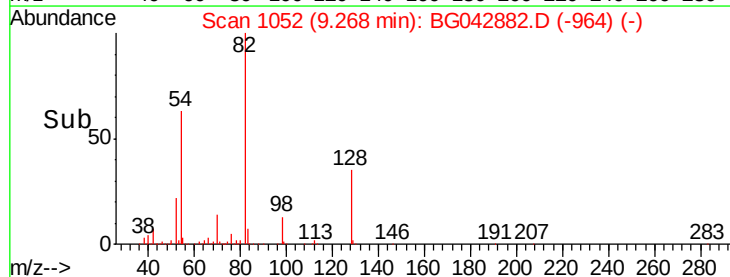
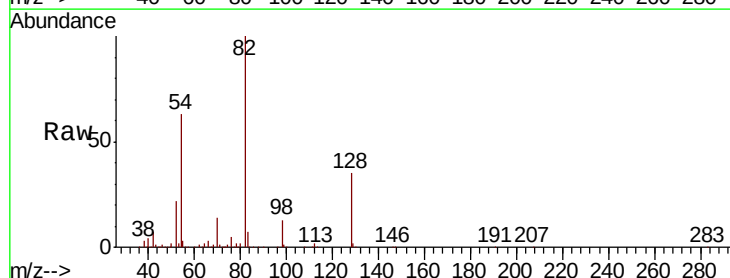
Instrument :
BNA_G
ClientSampleId :

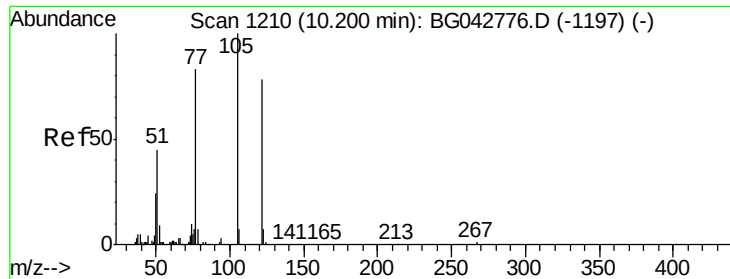
Tot Ion:136	Resp:	262195
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.0 13.6
54	10.7	9.4 14.0
68	5.8	5.4 8.2



#23
Nitrobenzene-d5
Concen: 86.918 ng
RT: 9.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG042882.D
Acq: 18 Sep 2019 00:29

Tgt Ion: 82	Resp:	437731
Ion	Ratio	Lower Upper
82	100	
128	35.1	29.8 44.8
54	62.6	46.1 69.1

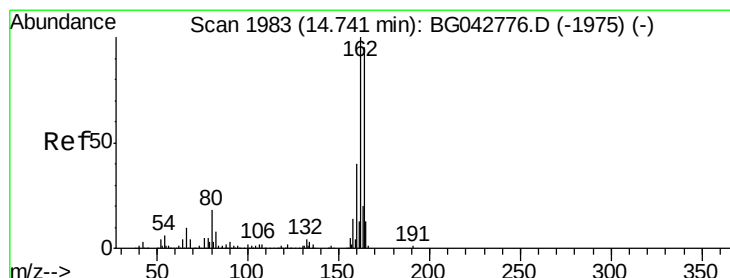
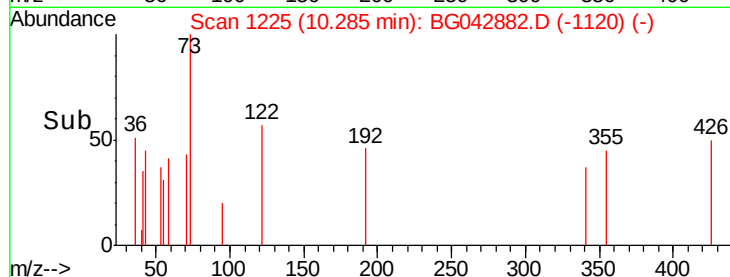
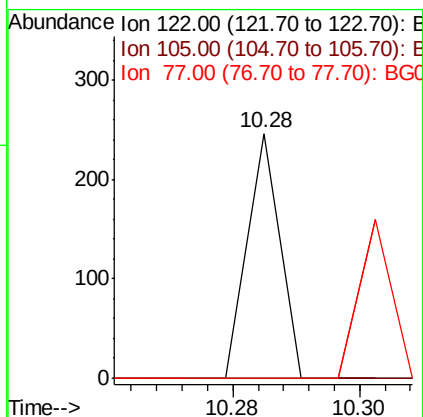
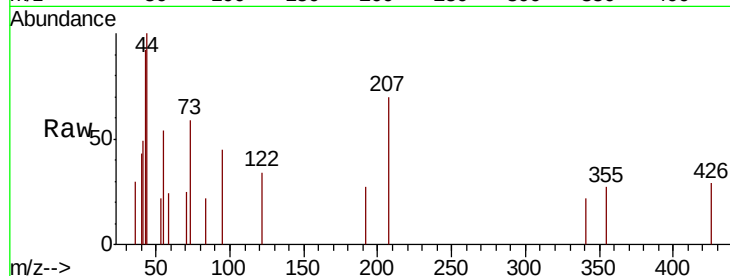




#32
Benzoic acid
Concen: 5.990 ng
RT: 10.28 min Scan# 1225
Delta R.T. 0.09 min
Lab File: BG042882.D
Acq: 18 Sep 2019 00:29

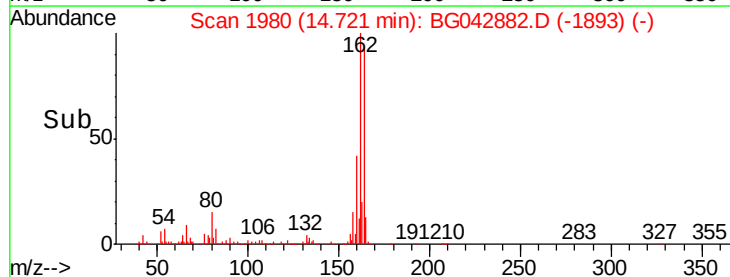
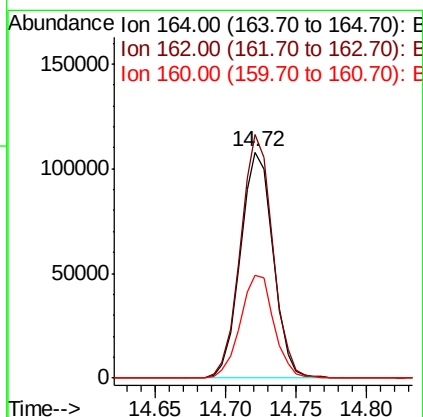
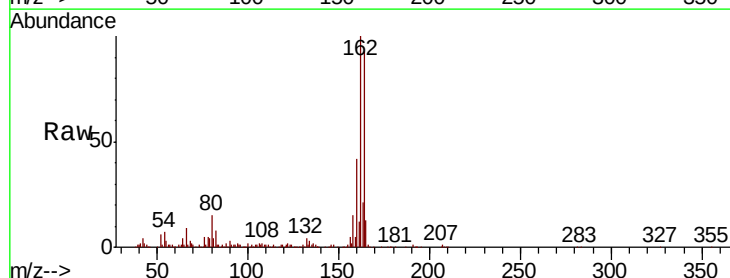
Instrument :
BNA_G
ClientSampleId :

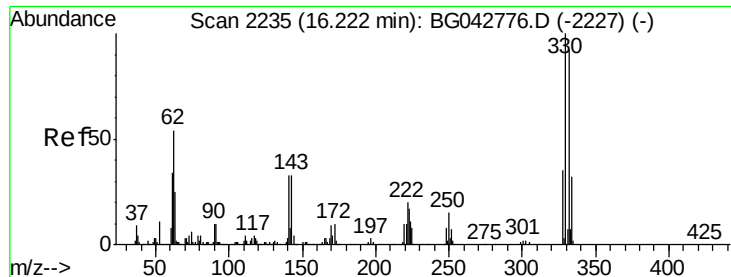
Tot Ion:122 Resp: 87
Ion Ratio Lower Upper
122 100
105 0.0 104.0 144.0#
77 0.0 84.2 124.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.02 min
Lab File: BG042882.D
Acq: 18 Sep 2019 00:29

Tgt Ion:164 Resp: 175360
Ion Ratio Lower Upper
164 100
162 107.6 84.6 126.8
160 45.7 34.2 51.2

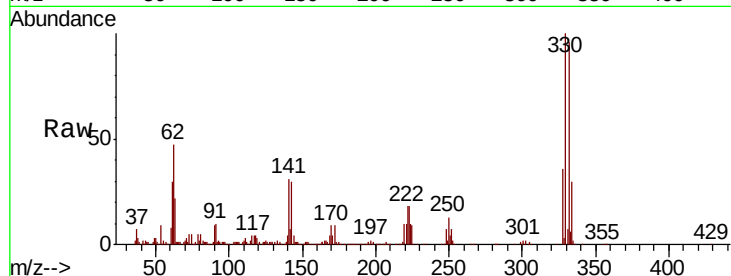




#42
 2,4,6-Tribromophenol
 Concen: 138.124 ng
 RT: 16.21 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BG042882.D
 Acq: 18 Sep 2019 00:29

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.7	115.1
141	33.7	27.0	40.6

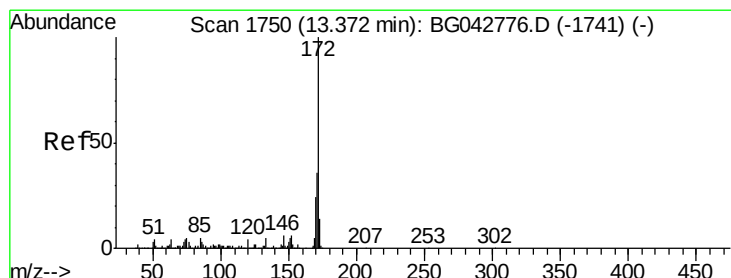
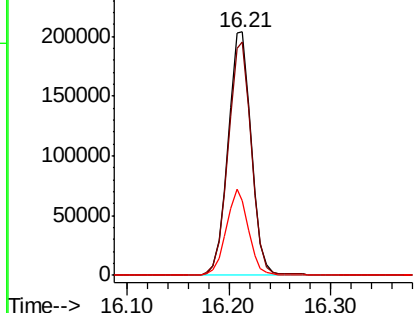
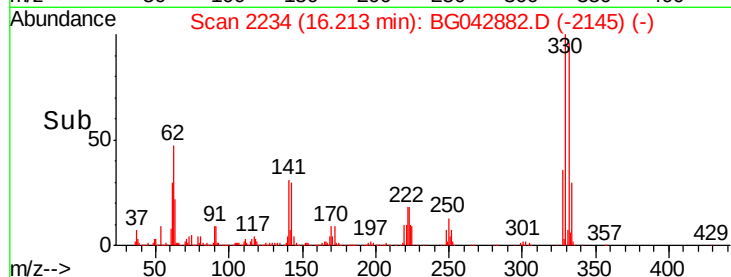


Abundance

Ion 329.80 (329.50 to 330.50): E

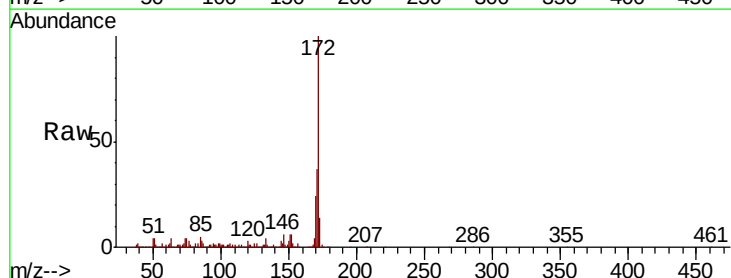
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.254 ng
 RT: 13.35 min Scan# 1747
 Delta R.T. -0.02 min
 Lab File: BG042882.D
 Acq: 18 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.9	43.3
170	24.1	19.1	28.7

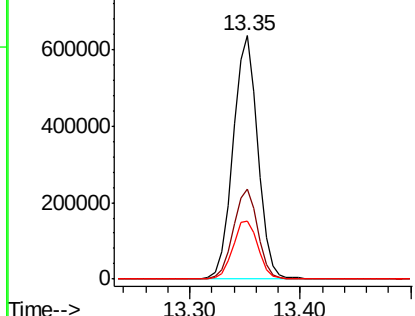
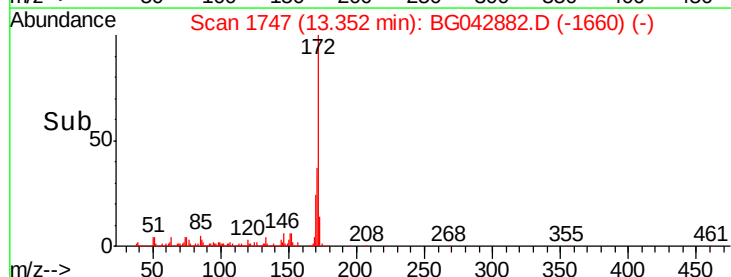


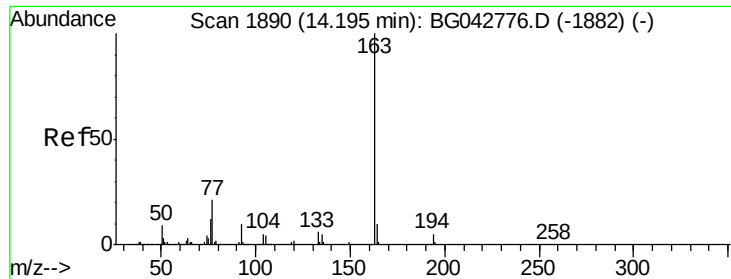
Abundance

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

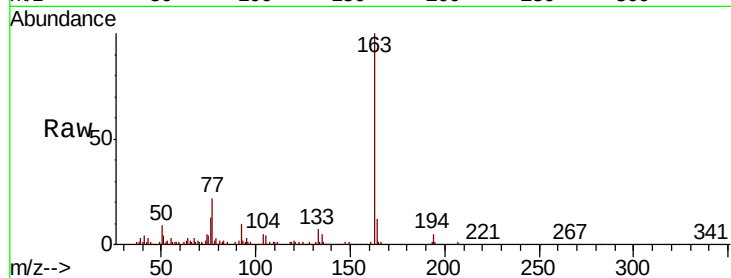




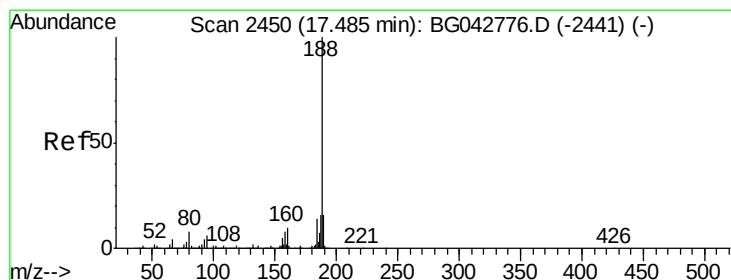
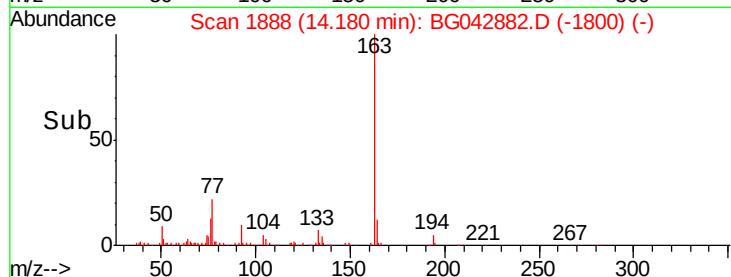
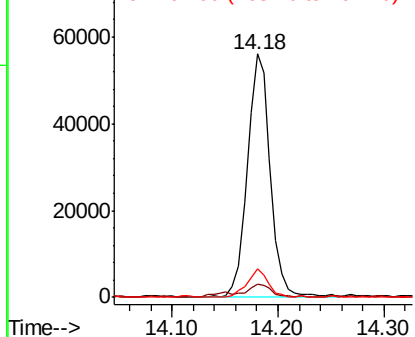
#50
Dimethylphthalate
Concen: 6.459 ng
RT: 14.18 min Scan# 1888
Delta R.T. -0.01 min
Lab File: BG042882.D
Acq: 18 Sep 2019 00:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 84844
Ion Ratio Lower Upper
163 100
194 5.4 4.2 6.4
164 11.8 8.4 12.6

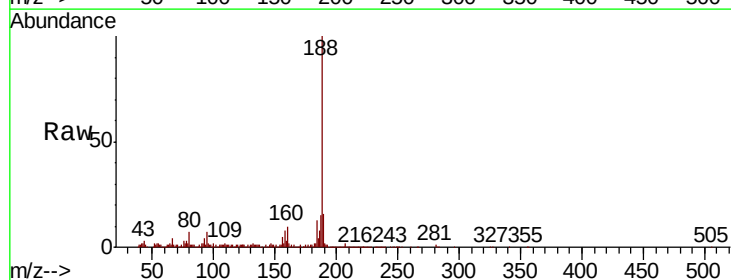


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

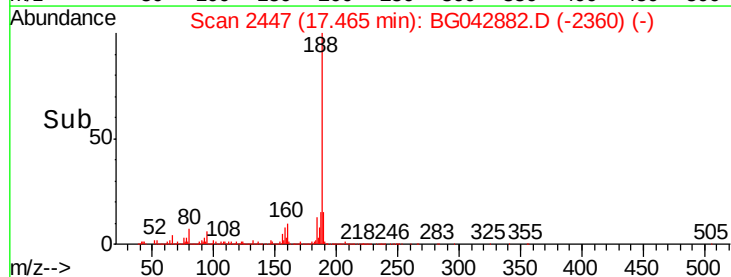
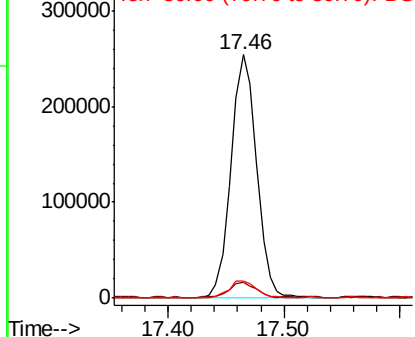


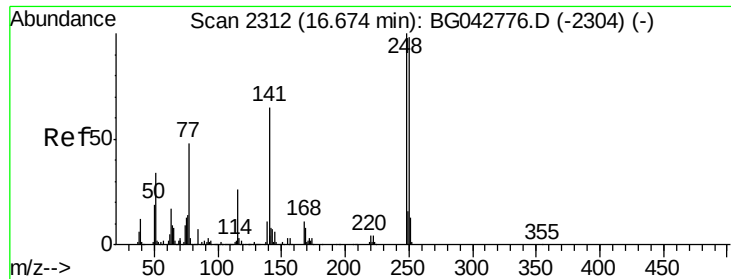
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2447
Delta R.T. -0.02 min
Lab File: BG042882.D
Acq: 18 Sep 2019 00:29

Tgt Ion:188 Resp: 389746
Ion Ratio Lower Upper
188 100
94 6.6 4.8 7.2
80 7.1 6.6 9.8



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

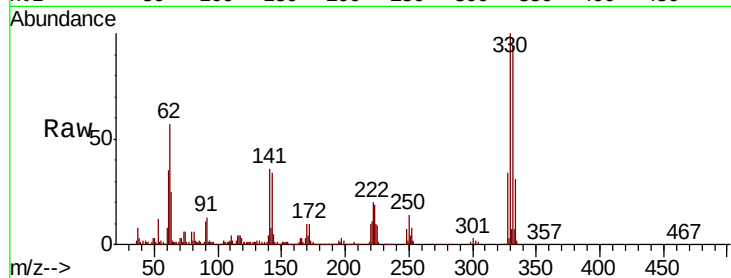




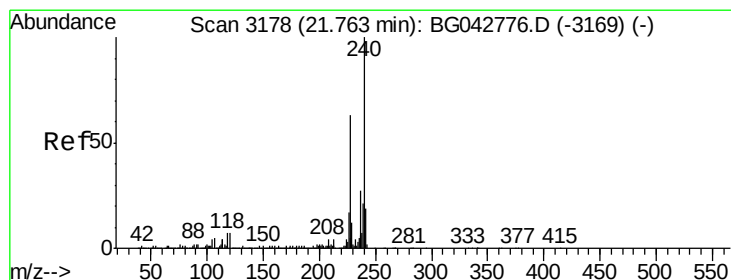
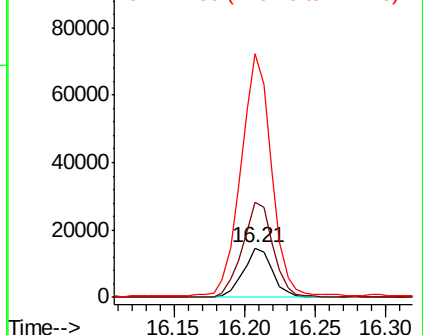
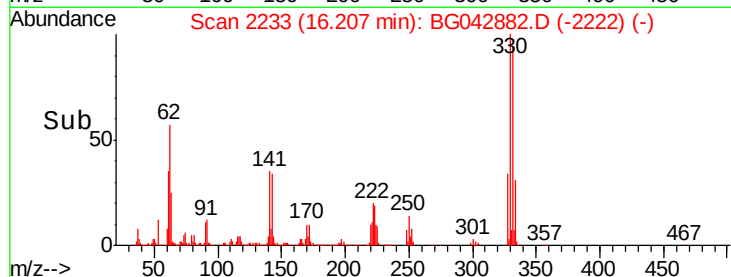
#67
 4-Bromophenyl-phenylether
 Concen: 4.567 ng
 RT: 16.21 min Scan# 2233
 Delta R.T. -0.47 min
 Lab File: BG042882.D
 Acq: 18 Sep 2019 00:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 21546
 Ion Ratio Lower Upper
 248 100
 250 193.0 78.0 117.0#
 141 492.7 51.8 77.6#

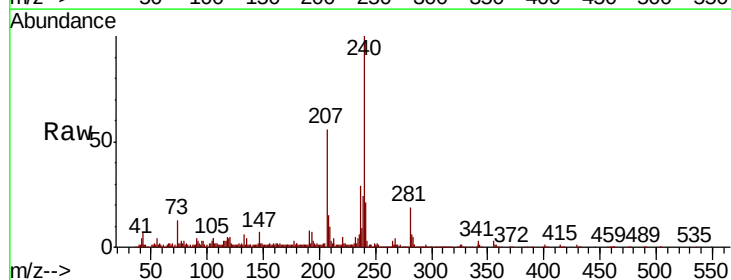


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

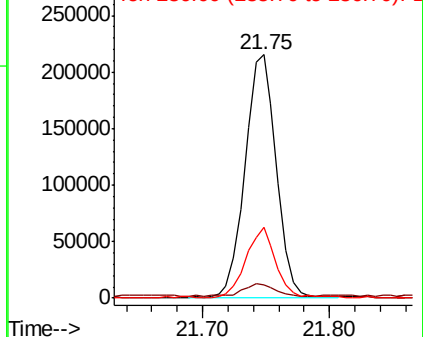
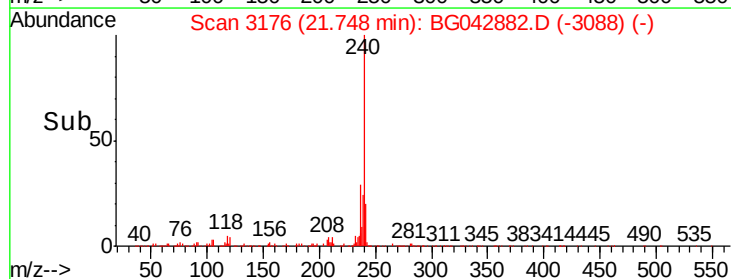


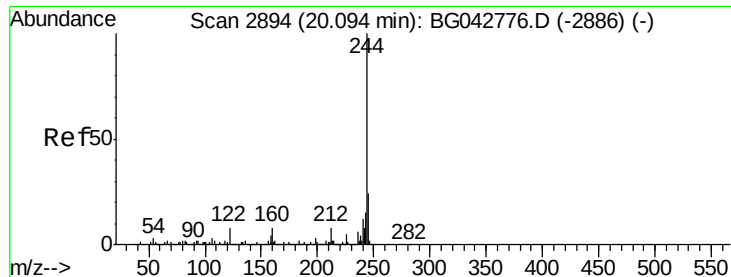
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3176
 Delta R.T. -0.01 min
 Lab File: BG042882.D
 Acq: 18 Sep 2019 00:29

Tgt Ion:240 Resp: 364422
 Ion Ratio Lower Upper
 240 100
 120 5.4 5.4 8.2#
 236 29.0 21.7 32.5



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





#79

Terphenyl-d14

Concen: 88.088 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

Instrument :

BNA_G

ClientSampled :

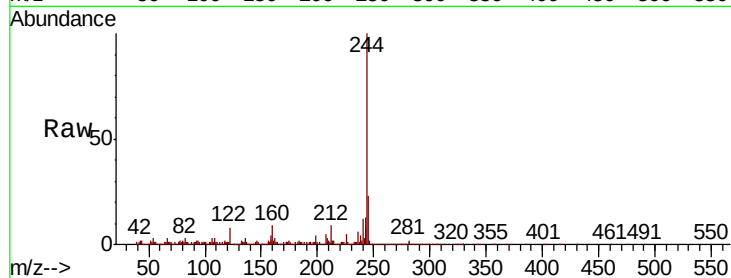
Tot Ion:244 Resp: 1448431

Ion Ratio Lower Upper

244 100

212 8.7 6.6 10.0

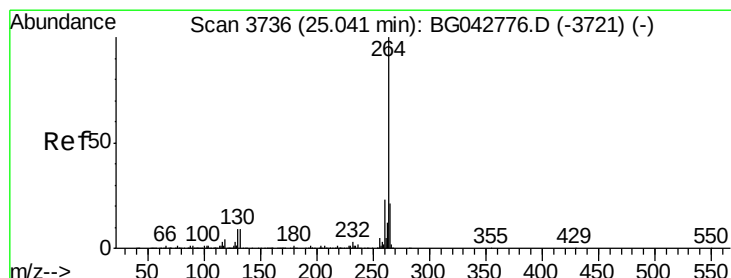
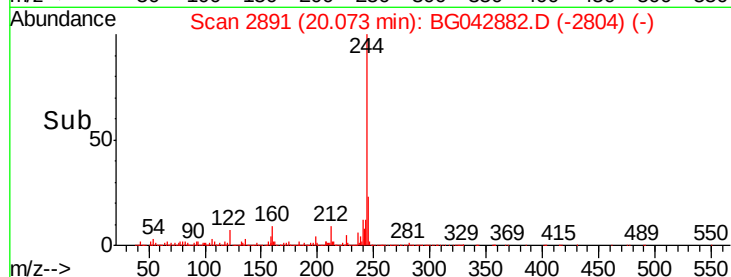
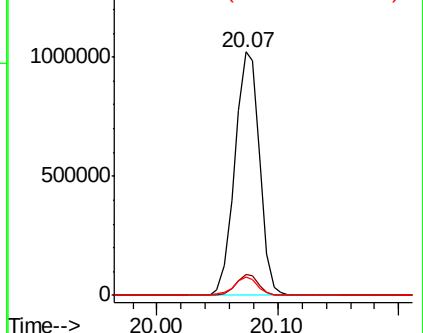
122 7.6 6.2 9.4



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: 25.01 min Scan# 3731

Delta R.T. -0.03 min

Lab File: BG042882.D

Acq: 18 Sep 2019 00:29

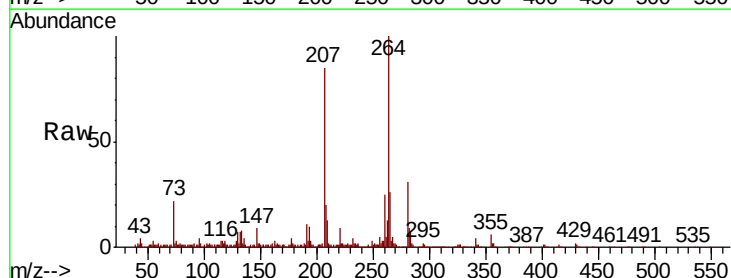
Tgt Ion:264 Resp: 390139

Ion Ratio Lower Upper

264 100

260 25.1 18.2 27.2

265 25.8 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

