

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061120\
 Data File : BG045737.D
 Acq On : 12 Jun 2020 1:41
 Operator : CG/JU
 Sample : L2971-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 40755

Quant Time: Jun 12 02:34:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	60593	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	245895	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	155417	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	307100	20.00	ng	0.00
76) Chrysene-d12	21.60	240	286502	20.00	ng	0.00
87) Perylene-d12	24.77	264	301984	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	14905	4.81	ng	0.02
7) Phenol-d6	7.19	99	584966	132.56	ng	0.04
23) Nitrobenzene-d5	9.11	82	476789	105.74	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	277178	139.45	ng	0.01
45) 2-Fluorobiphenyl	13.22	172	991199	108.18	ng	0.00
79) Terphenyl-d14	19.96	244	1306284	106.34	ng	0.00

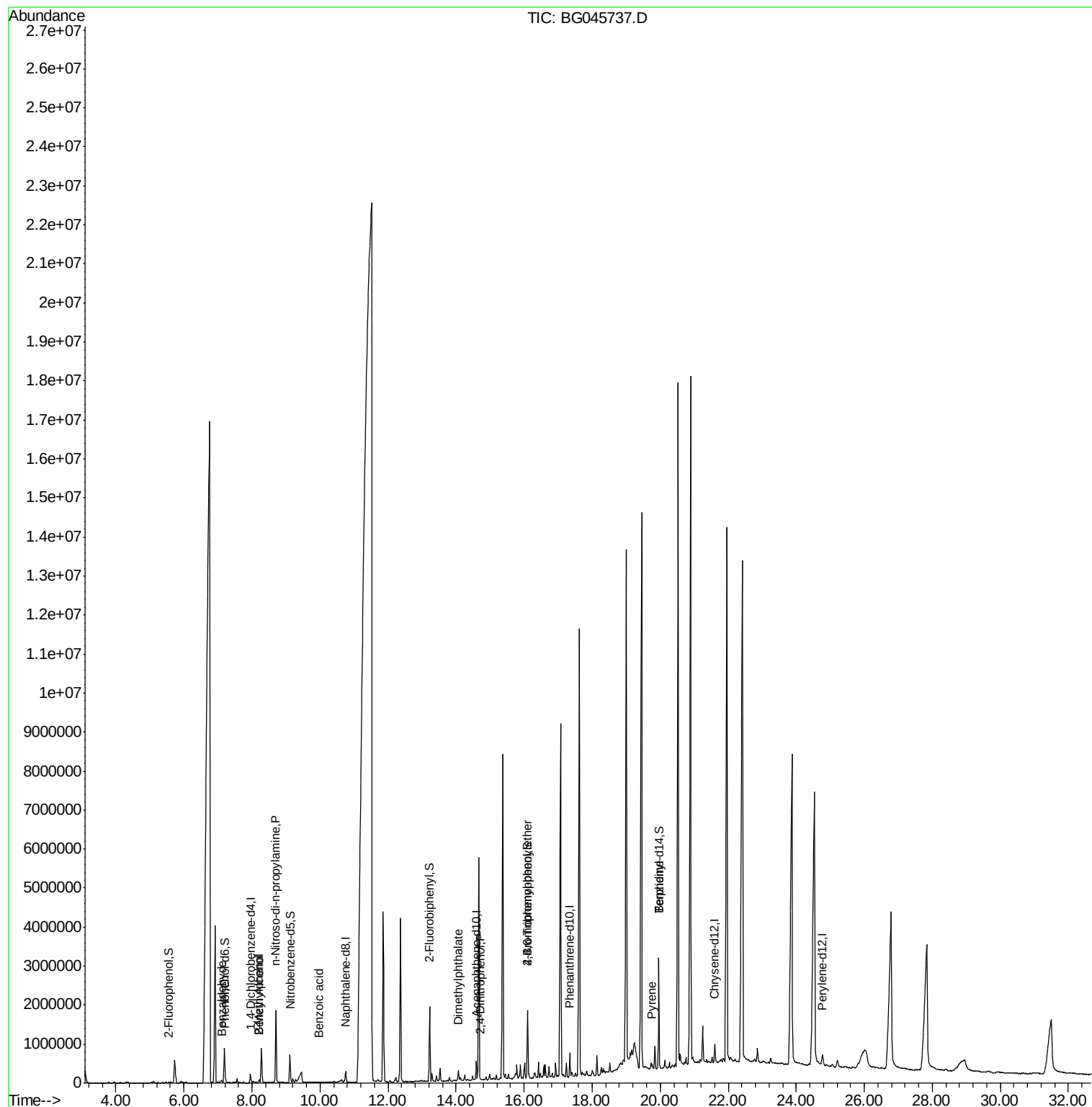
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.12	77	7540	2.622	ng	82
10) Phenol	7.22	94	60196	13.235	ng	93
15) Benzyl Alcohol	8.21	79	37022	10.156	ng	91
17) 2-Methylphenol	8.21	107	17983	5.283	ng	# 1
19) n-Nitroso-di-n-propylamine	8.70	70	292057	95.706	ng	# 65
32) Benzoic acid	9.97	122	821	10.334	ng	# 25
50) Dimethylphthalate	14.07	163	163142	15.302	ng	99
54) 2,4-Dinitrophenol	14.72	184	55	5.491	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	18529	5.572	ng	# 1
77) Benzidine	19.96	184	28330	3.521	ng	# 87
78) Pyrene	19.76	202	35903	2.198	ng	98

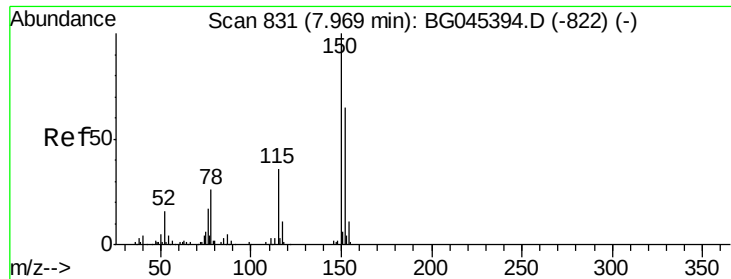
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061120\
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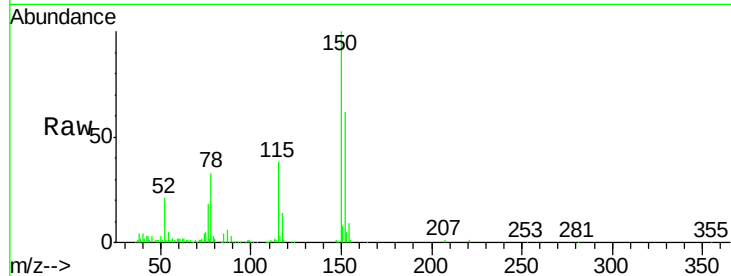


#1

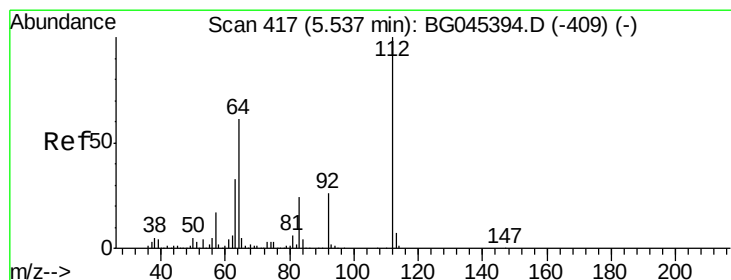
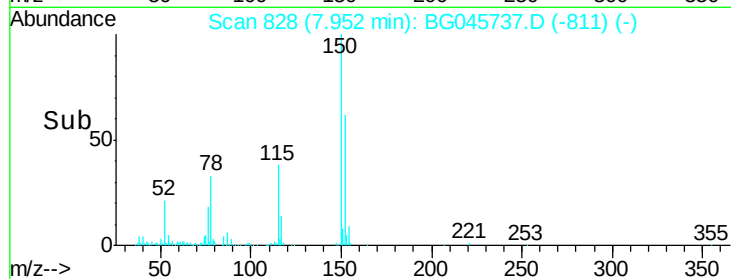
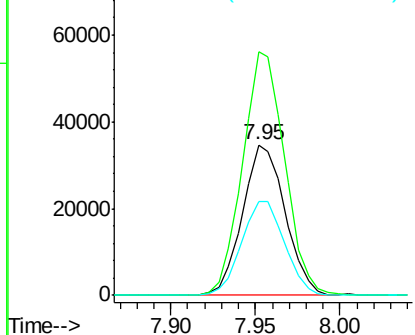
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045737.D
Acq: 12 Jun 2020 1:41

Instrument :
BNA_G
ClientSampleId :
40755

Tot Ion:152 Resp: 60593
Ion Ratio Lower Upper
152 100
150 162.0 122.4 183.6
115 62.2 44.2 66.4



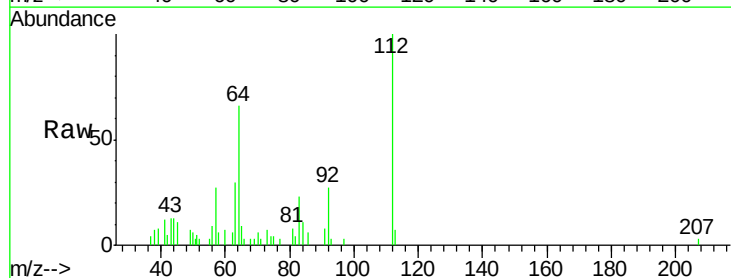
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



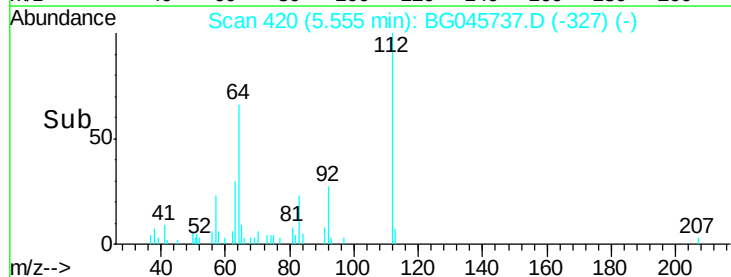
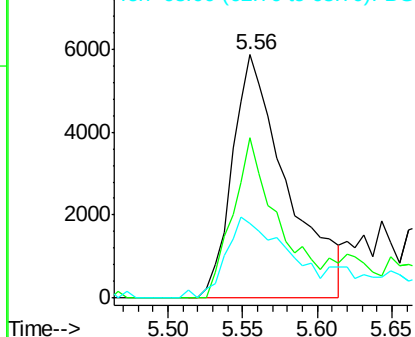
#5

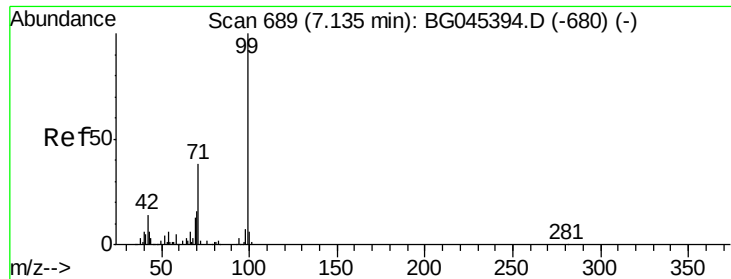
2-Fluorophenol
Concen: 4.807 ng
RT: 5.56 min Scan# 420
Delta R.T. 0.02 min
Lab File: BG045737.D
Acq: 12 Jun 2020 1:41

Tgt Ion:112 Resp: 14905
Ion Ratio Lower Upper
112 100
64 65.8 48.6 72.8
63 30.4 26.5 39.7



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: 132.557 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.04 min

Lab File: BG045737.D

Acq: 12 Jun 2020 1:41

Instrument :

BNA_G

ClientSampleId :

40755

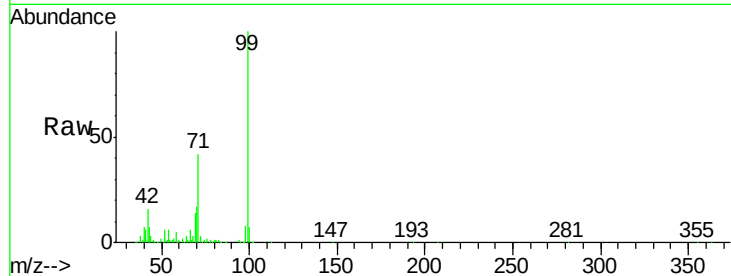
Tot Ion: 99 Resp: 584966

Ion Ratio Lower Upper

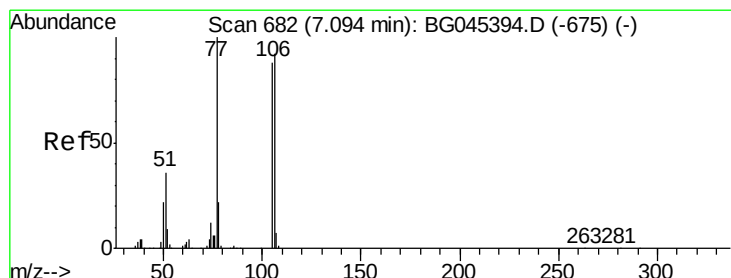
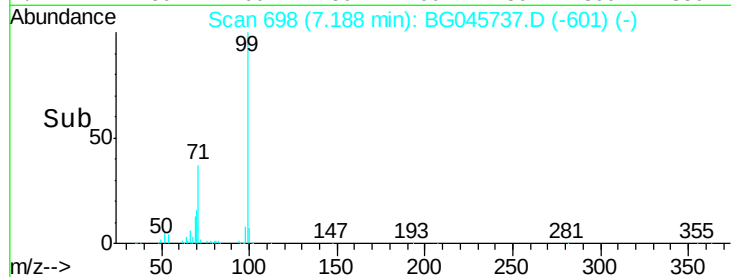
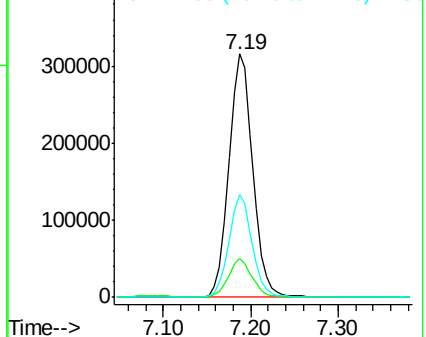
99 100

42 16.1 11.3 16.9

71 42.0 30.8 46.2



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



#9

Benzaldehyde

Concen: 2.622 ng

RT: 7.12 min Scan# 686

Delta R.T. 0.04 min

Lab File: BG045737.D

Acq: 12 Jun 2020 1:41

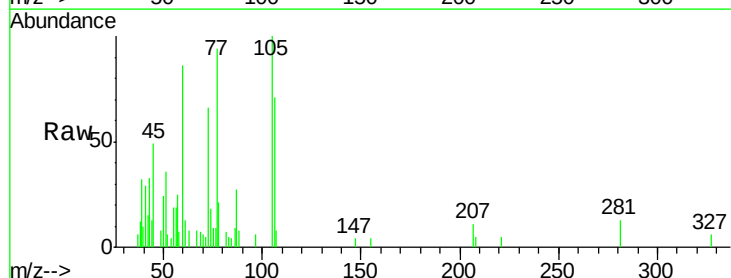
Tgt Ion: 77 Resp: 7540

Ion Ratio Lower Upper

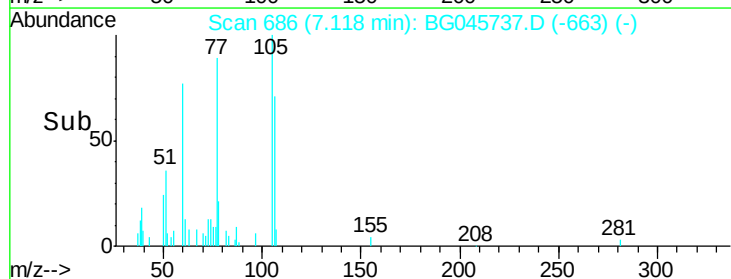
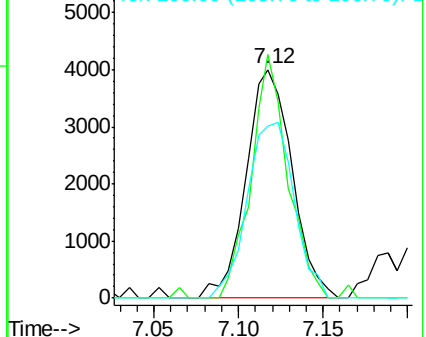
77 100

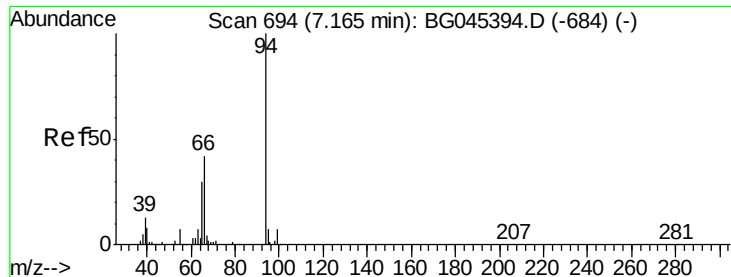
105 106.7 68.5 108.5

106 75.6 71.6 111.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 13.235 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.04 min

Lab File: BG045737.D

Acq: 12 Jun 2020 1:41

Instrument :

BNA_G

ClientSampleId :

40755

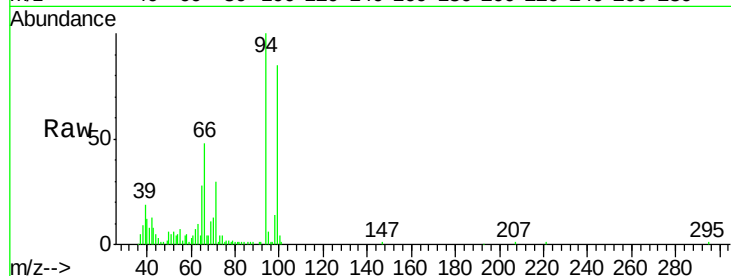
Tot Ion: 94 Resp: 60196

Ion Ratio Lower Upper

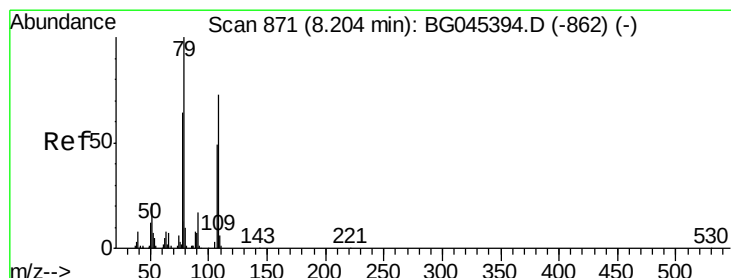
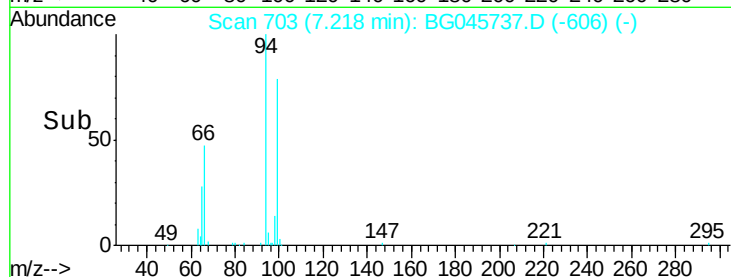
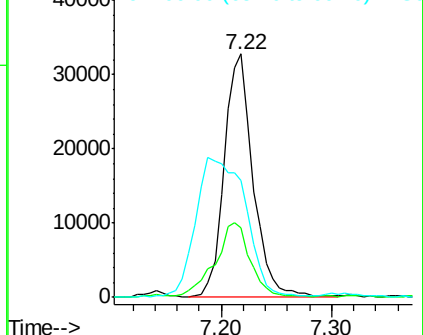
94 100

65 28.3 9.8 49.8

66 47.8 22.0 62.0



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



#15

Benzyl Alcohol

Concen: 10.156 ng

RT: 8.21 min Scan# 872

Delta R.T. 0.01 min

Lab File: BG045737.D

Acq: 12 Jun 2020 1:41

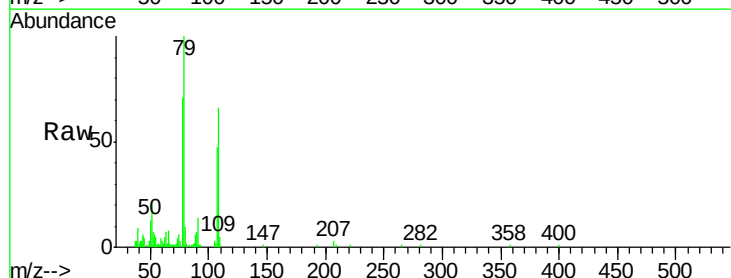
Tgt Ion: 79 Resp: 37022

Ion Ratio Lower Upper

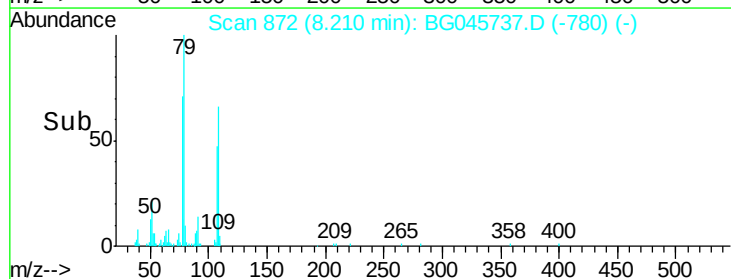
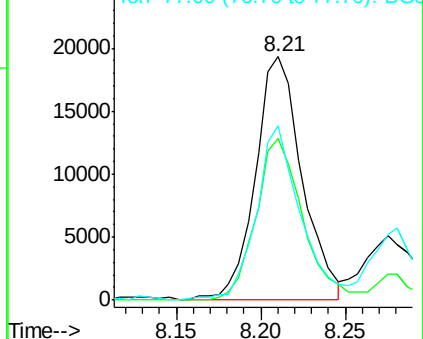
79 100

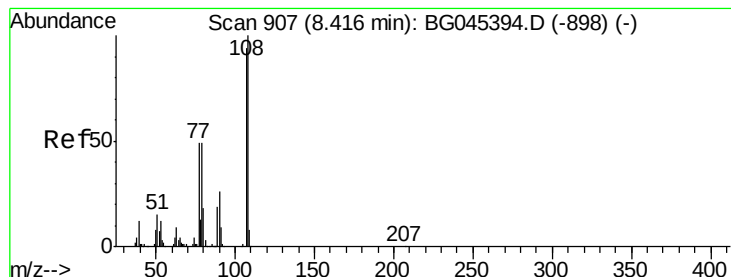
108 66.4 58.2 87.4

77 71.5 51.0 76.4



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#17

2-Methylphenol

Concen: 5.283 ng

RT: 8.21 min Scan# 872

Delta R.T. -0.21 min

Lab File: BG045737.D

Acq: 12 Jun 2020 1:41

Instrument :

BNA_G

ClientSampleId :

40755

Tot Ion:107 Resp: 17983

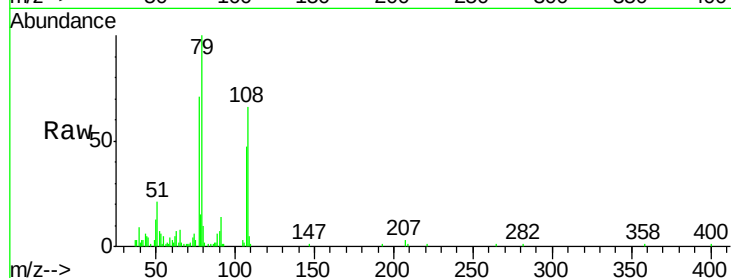
Ion Ratio Lower Upper

107 100

108 142.5 85.2 127.8#

77 153.4 41.6 62.4#

79 214.5 41.8 62.8#

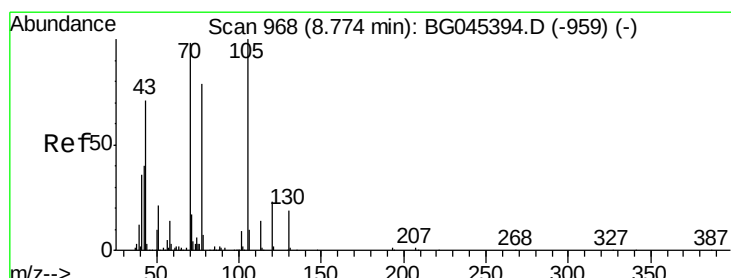
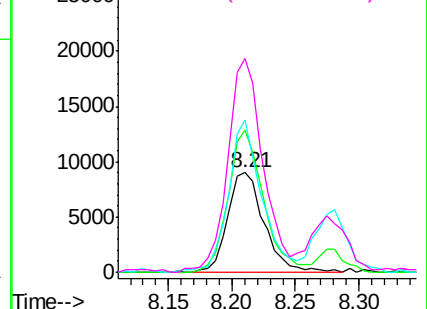
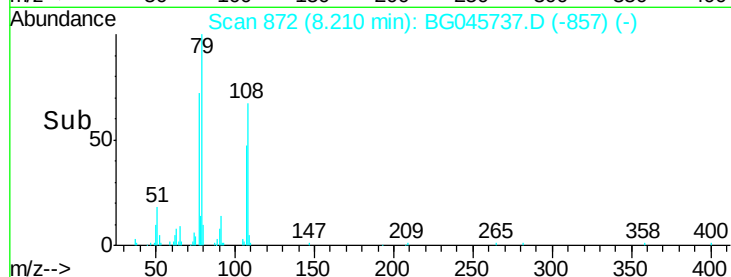


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 95.706 ng

RT: 8.70 min Scan# 956

Delta R.T. -0.05 min

Lab File: BG045737.D

Acq: 12 Jun 2020 1:41

Tgt Ion: 70 Resp: 292057

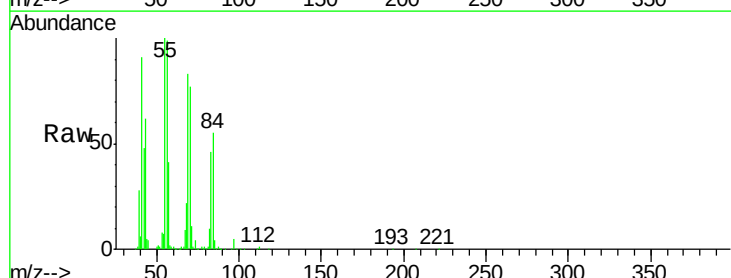
Ion Ratio Lower Upper

70 100

42 62.3 33.2 49.8#

101 0.1 7.8 11.6#

130 0.0 15.4 23.2#

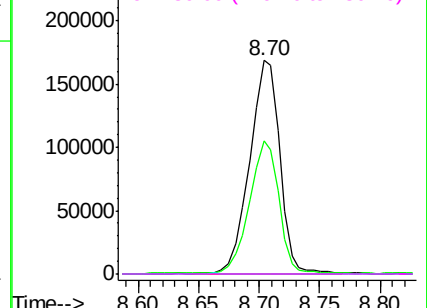
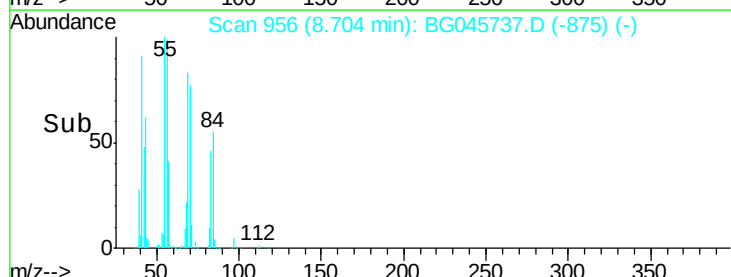


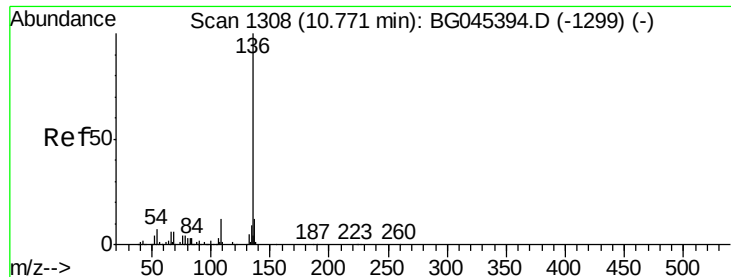
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

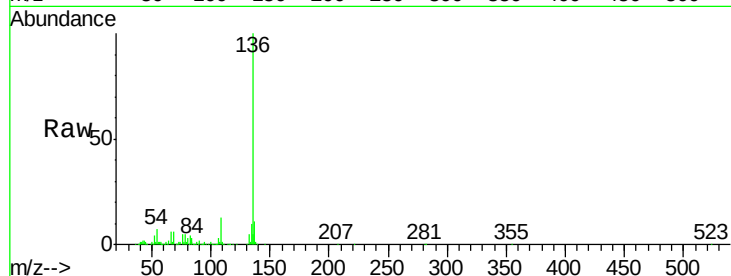




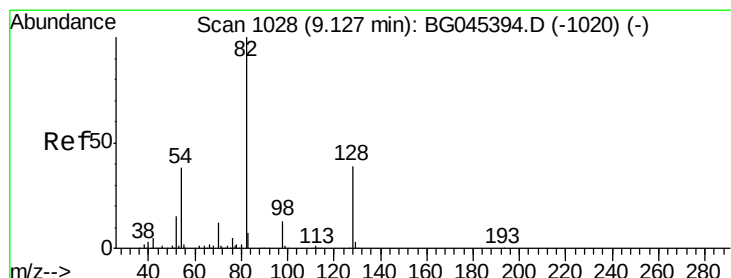
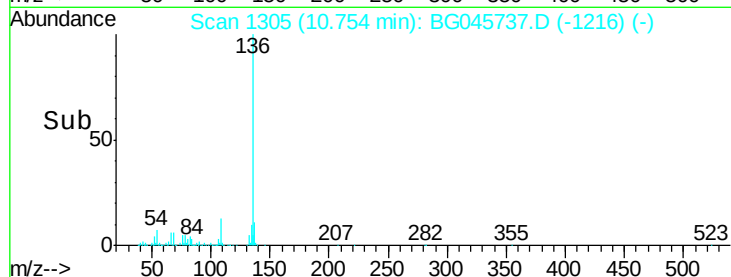
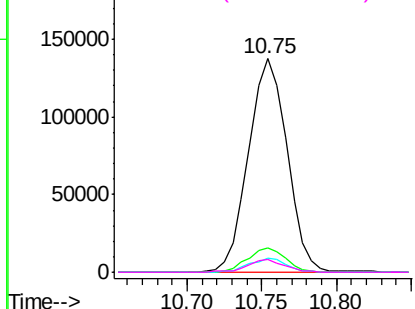
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045737.D
Acq: 12 Jun 2020 1:41

Instrument :
BNA_G
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Tot Ion:136	Resp:	245895	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	9.4	14.2	
54 6.5	5.8	8.6	
68 6.0	4.5	6.7	

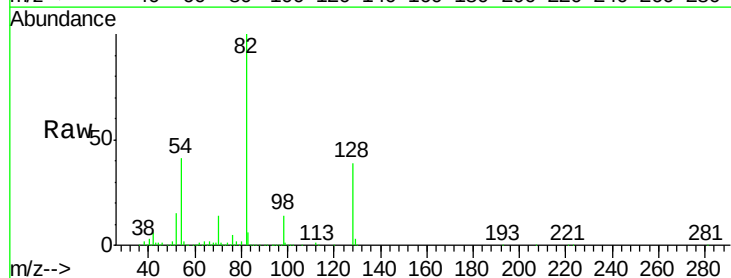


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

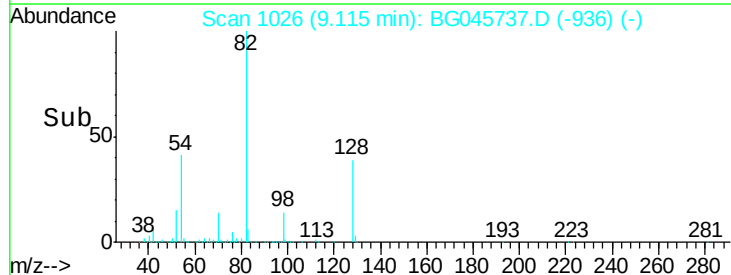
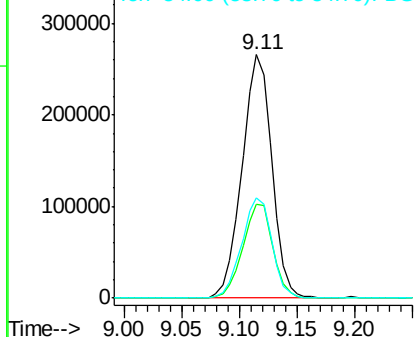


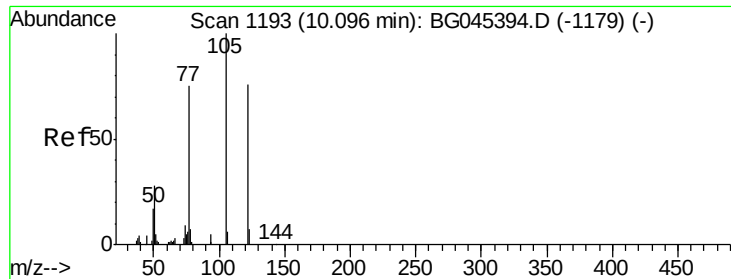
#23
Nitrobenzene-d5
Concen: 105.736 ng
RT: 9.11 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BG045737.D
Acq: 12 Jun 2020 1:41

Tgt Ion: 82	Resp: 476789
Ion Ratio	Lower Upper
82 100	
128 38.8	30.9 46.3
54 41.0	30.3 45.5



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

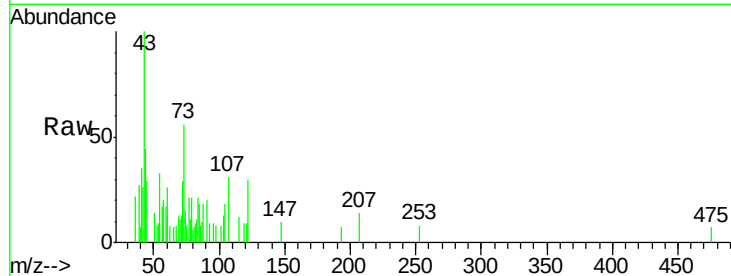




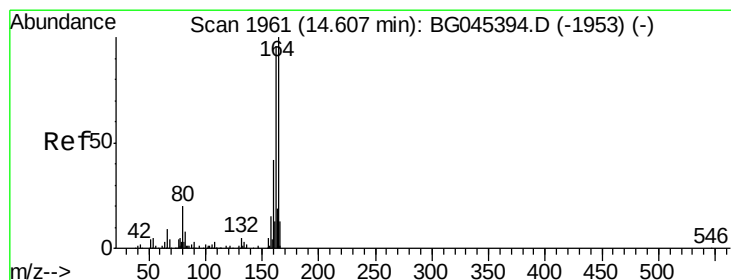
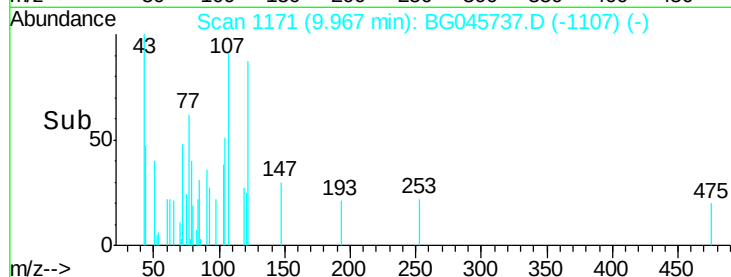
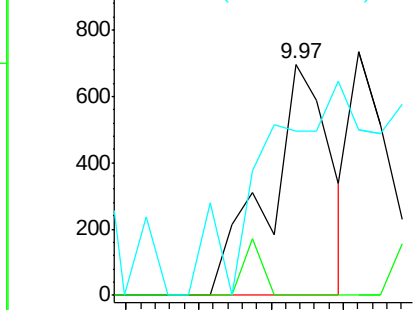
#32
Benzoic acid
Concen: 10.334 ng
RT: 9.97 min Scan# 1171
Delta R.T. -0.15 min
Lab File: BG045737.D
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Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.9	147.9#
77	71.2	78.9	118.9#

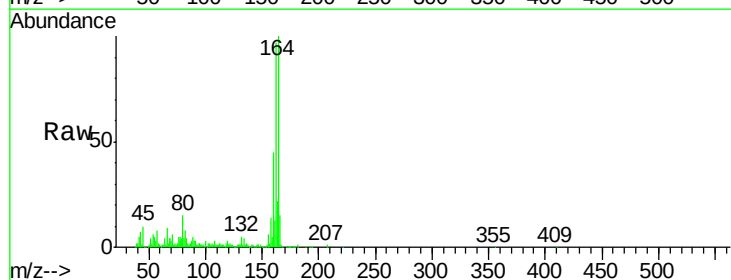


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

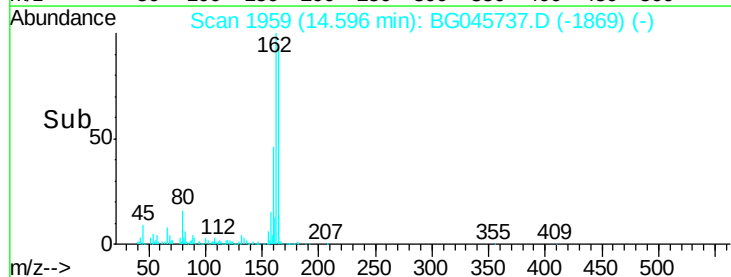
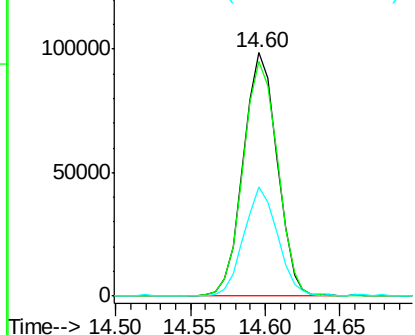


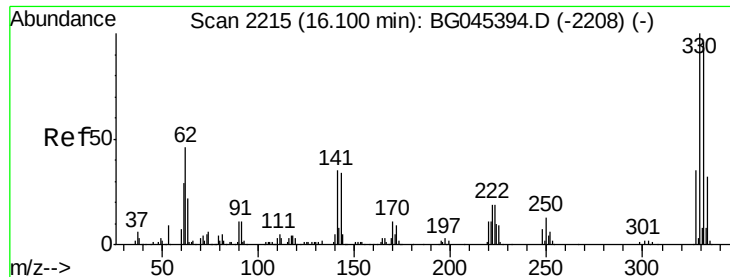
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1959
Delta R.T. 0.00 min
Lab File: BG045737.D
Acq: 12 Jun 2020 1:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.6	76.9	115.3
160	45.1	33.8	50.8



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

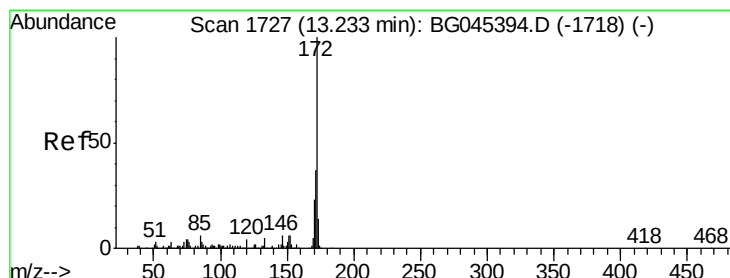
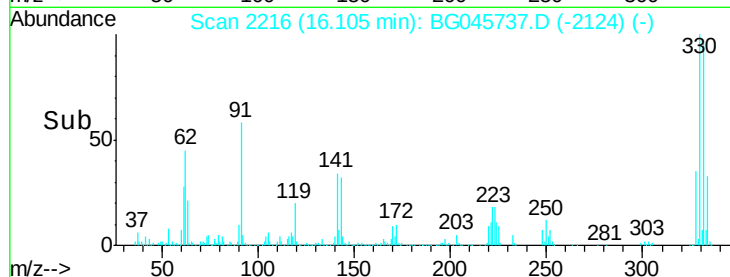
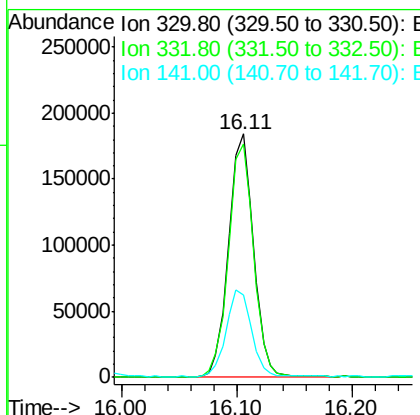
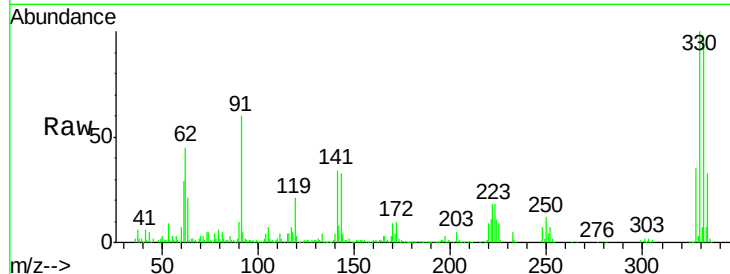




#42
 2,4,6-Tribromophenol
 Concen: 139.453 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. 0.01 min
 Lab File: BG045737.D
 Acq: 12 Jun 2020 1:41

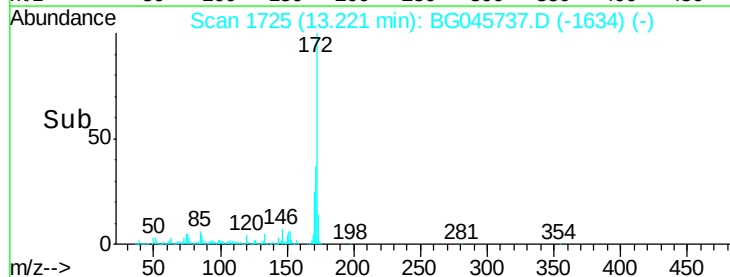
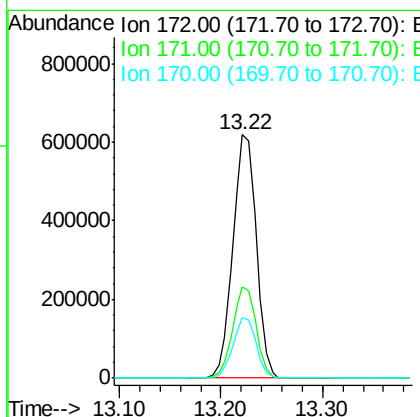
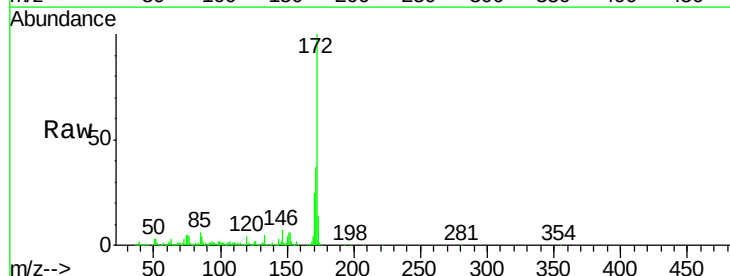
Instrument :
 BNA_G
 ClientSampled :
 40755

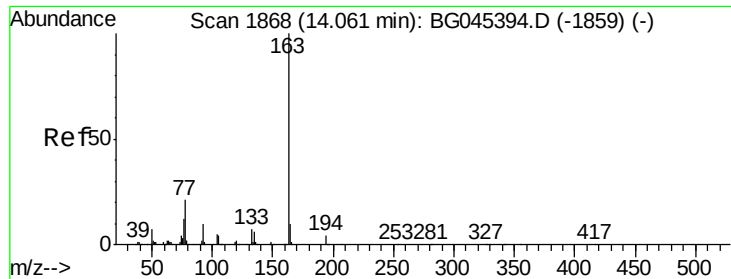
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.2	117.4
141	35.7	28.2	42.4



#45
 2-Fluorobiphenyl
 Concen: 108.179 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. 0.01 min
 Lab File: BG045737.D
 Acq: 12 Jun 2020 1:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.5	44.3
170	24.8	18.5	27.7





#50

Dimethylphthalate

Concen: 15.302 ng

RT: 14.07 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BG045737.D

Acq: 12 Jun 2020 1:41

Instrument :

BNA_G

ClientSampleId :

40755

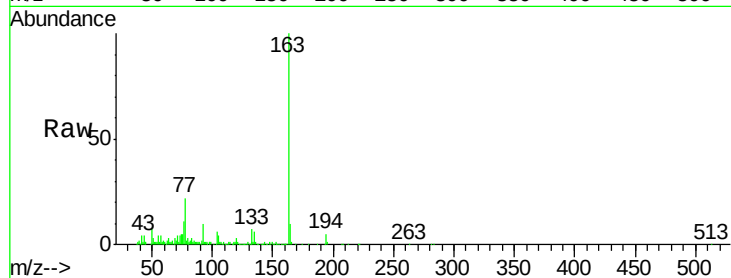
Tot Ion:163 Resp: 163142

Ion Ratio Lower Upper

163 100

194 4.6 3.2 4.8

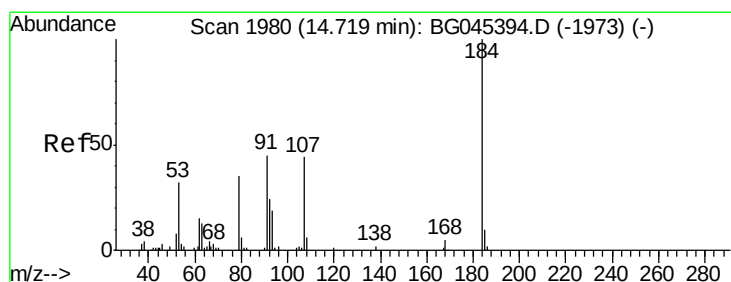
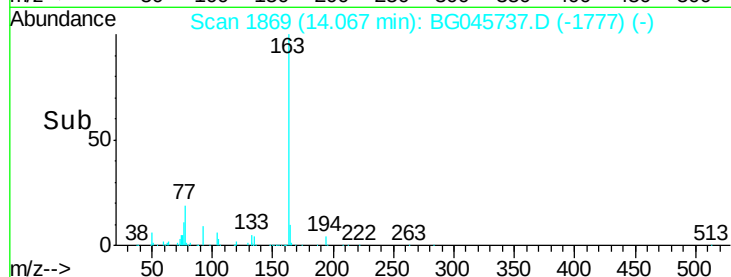
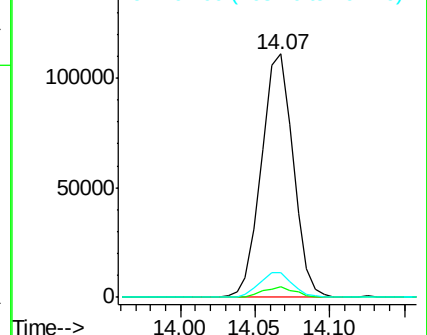
164 10.1 8.3 12.5



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



#54

2,4-Dinitrophenol

Concen: 5.491 ng

RT: 14.72 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BG045737.D

Acq: 12 Jun 2020 1:41

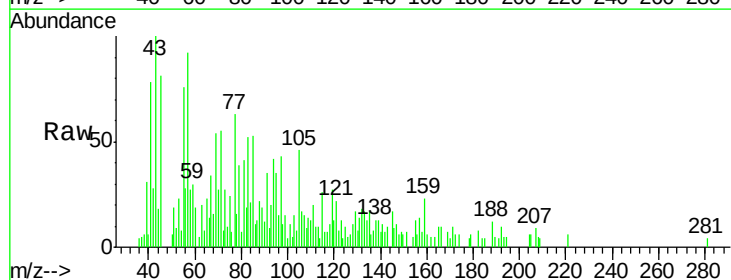
Tgt Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 556.4 47.8 71.6#

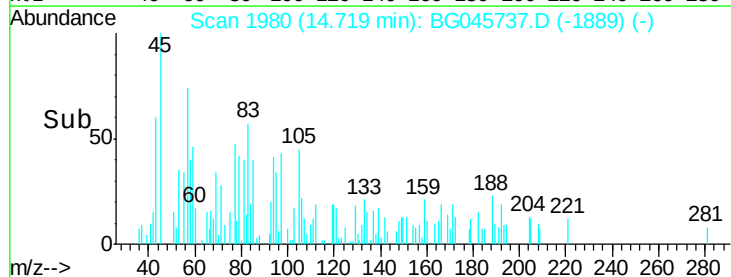
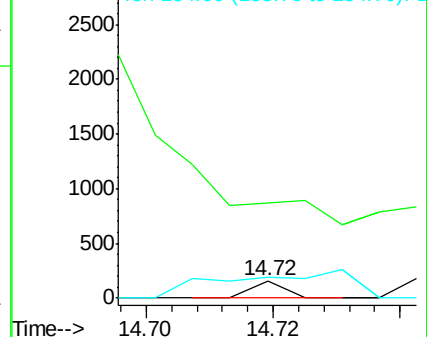
154 124.4 58.3 87.5#

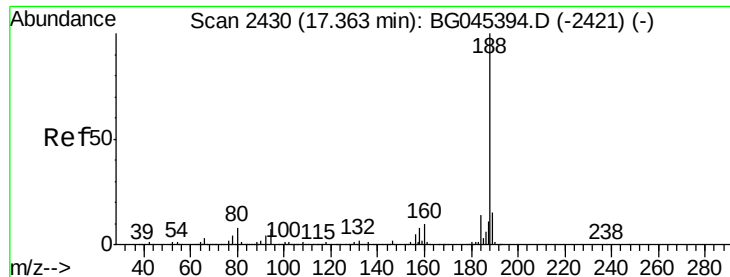


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.34 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG045737.D

Acq: 12 Jun 2020 1:41

Instrument :

BNA_G

ClientSampleId :

40755

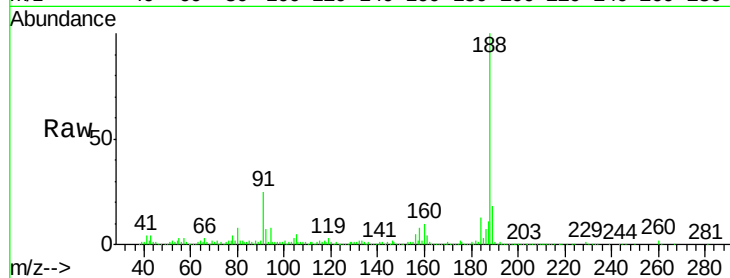
Tot Ion:188 Resp: 307100

Ion Ratio Lower Upper

188 100

94 7.6 5.5 8.3

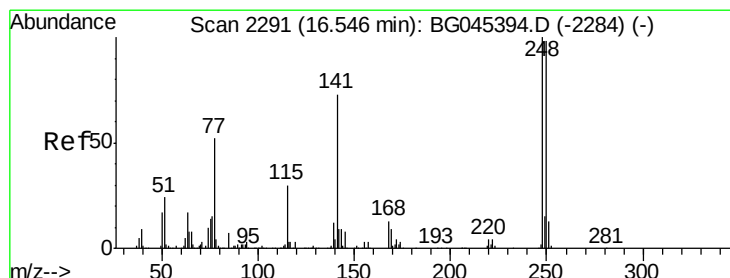
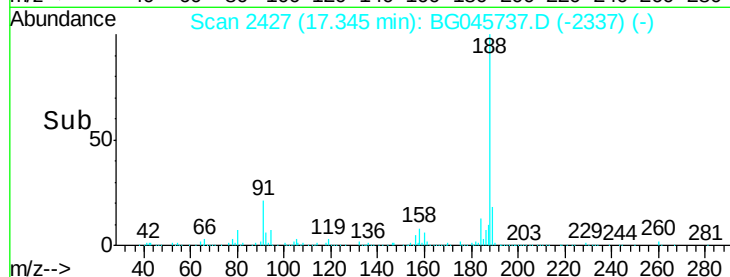
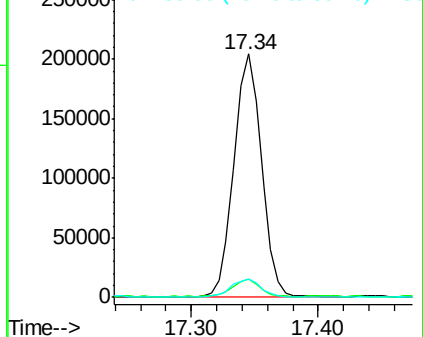
80 7.7 6.6 10.0



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: 5.572 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.43 min

Lab File: BG045737.D

Acq: 12 Jun 2020 1:41

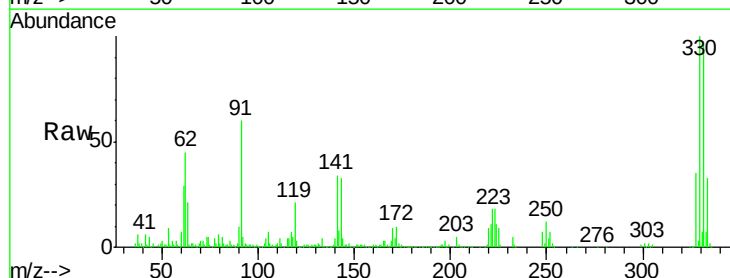
Tgt Ion:248 Resp: 18529

Ion Ratio Lower Upper

248 100

250 173.4 78.6 117.8#

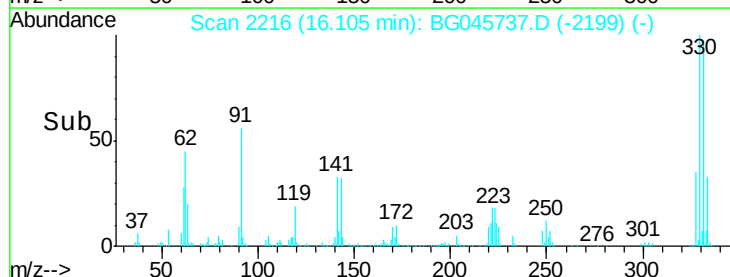
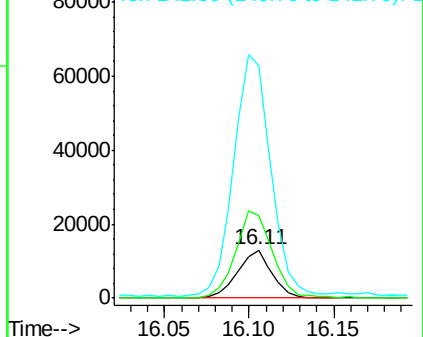
141 485.2 58.2 87.2#

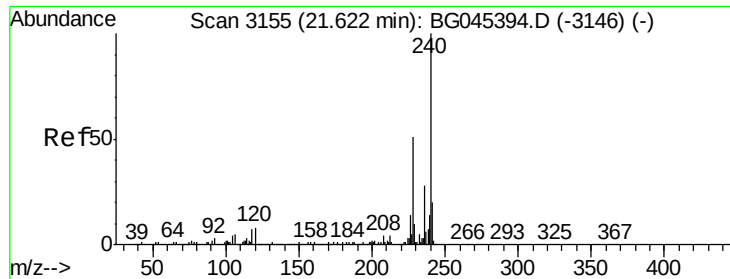


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

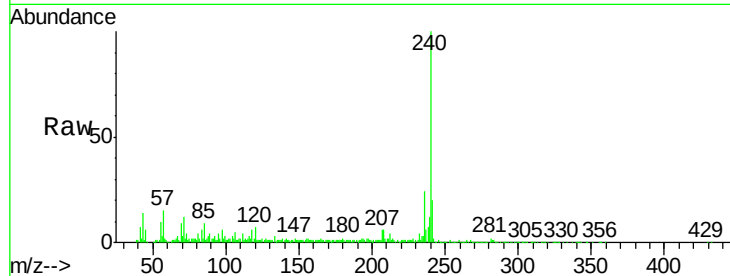




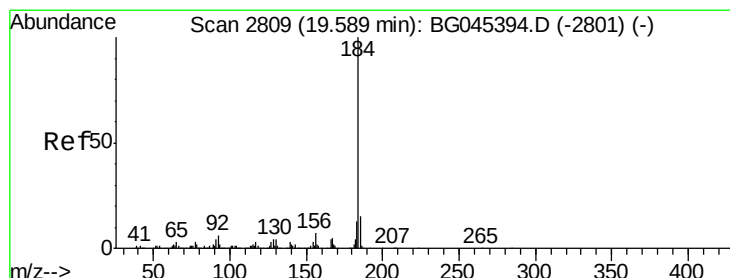
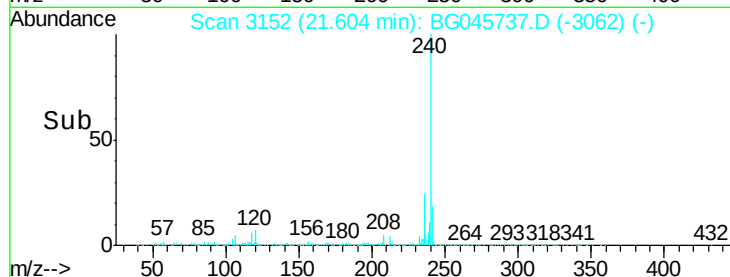
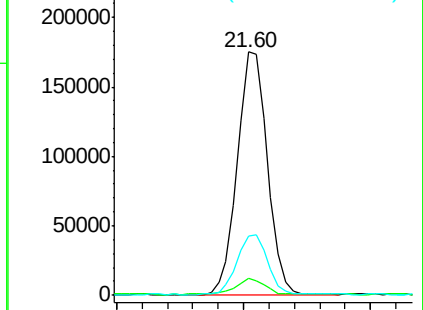
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3152
Delta R.T. 0.00 min
Lab File: BG045737.D
Acq: 12 Jun 2020 1:41

Instrument :
BNA_G
ClientSampleId :
40755

Tot Ion:240 Resp: 286502
Ion Ratio Lower Upper
240 100
120 6.9 6.1 9.1
236 24.2 22.3 33.5

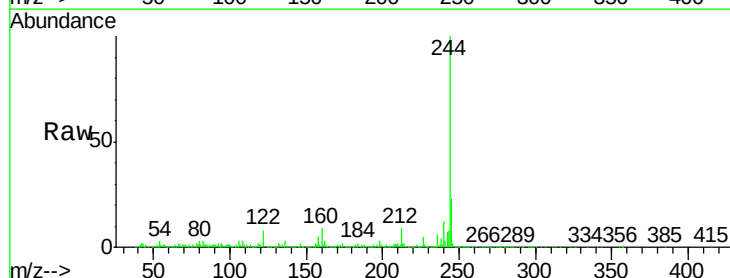


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

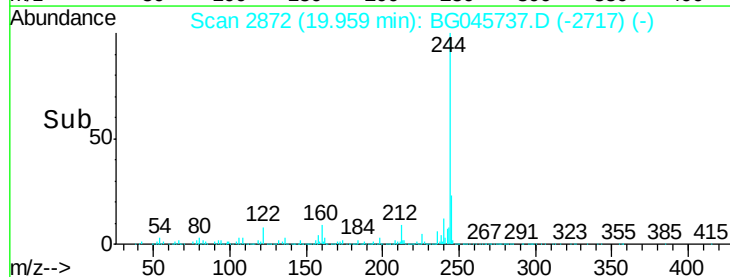
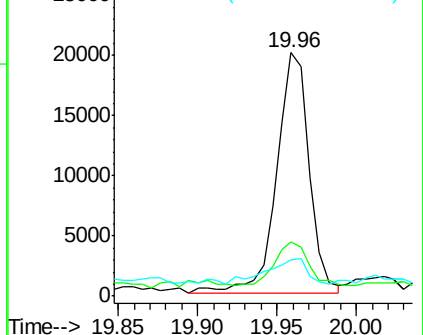


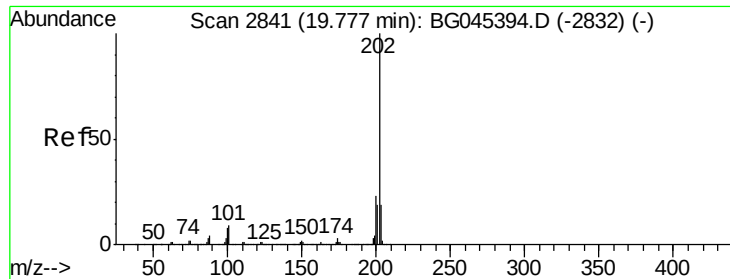
#77
Benzidine
Concen: 3.521 ng
RT: 19.96 min Scan# 2872
Delta R.T. 0.38 min
Lab File: BG045737.D
Acq: 12 Jun 2020 1:41

Tgt Ion:184 Resp: 28330
Ion Ratio Lower Upper
184 100
185 22.2 11.7 17.5#
183 15.1 10.2 15.4



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

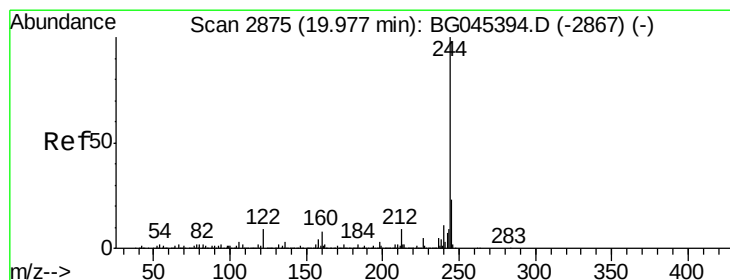
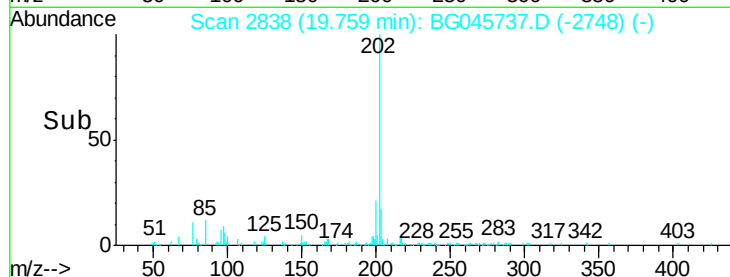
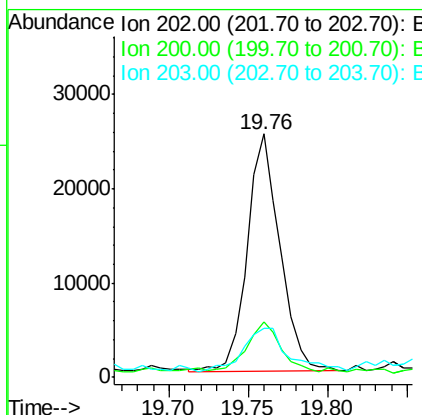
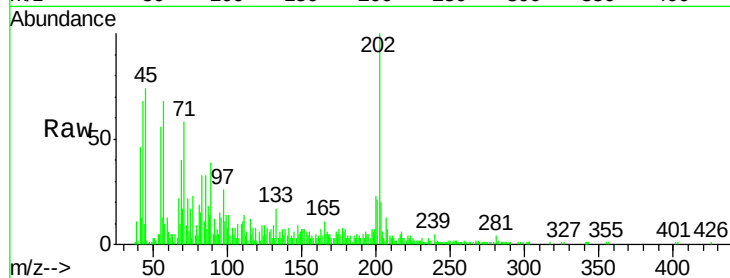




#78
Pvrene
Concen: 2.198 ng
RT: 19.76 min Scan# 2838
Delta R.T. 0.00 min
Lab File: BG045737.D
Acq: 12 Jun 2020 1:41

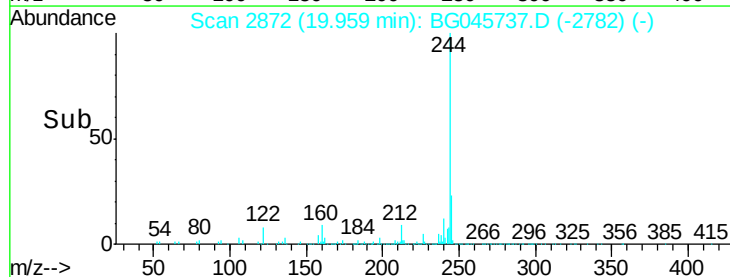
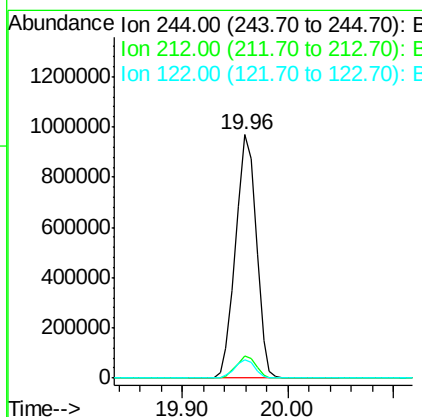
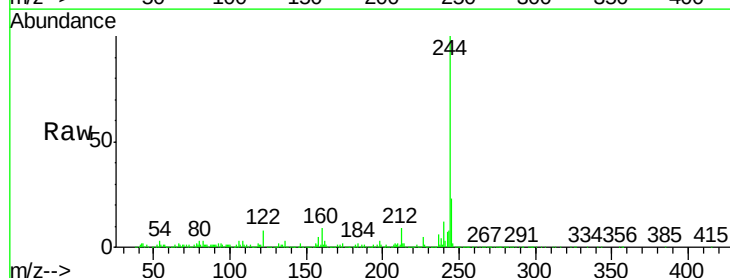
Instrument :
BNA_G
ClientSampleId :
40755

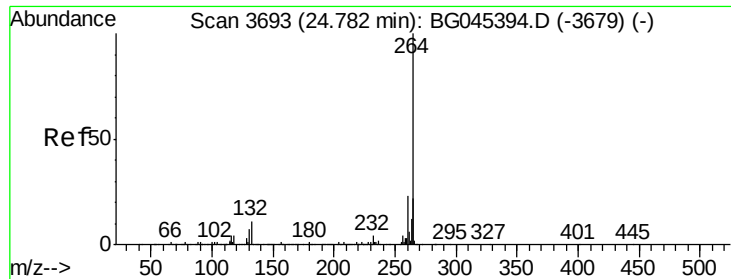
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.9	18.2	27.2
203	20.3	15.1	22.7



#79
Terphenyl-d14
Concen: 106.339 ng
RT: 19.96 min Scan# 2872
Delta R.T. 0.00 min
Lab File: BG045737.D
Acq: 12 Jun 2020 1:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.4	11.0
122	7.8	6.8	10.2

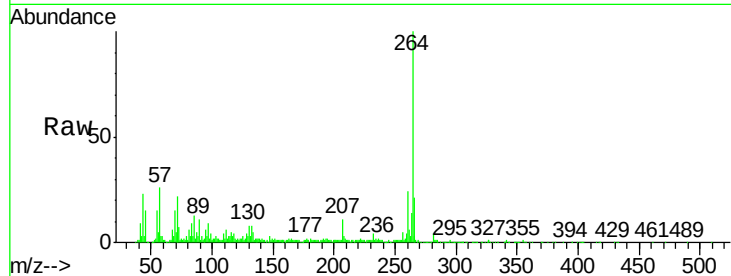




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.77 min Scan# 3691
 Delta R.T. 0.02 min
 Lab File: BG045737.D
 Acq: 12 Jun 2020 1:41

Instrument :
 BNA_G
 ClientSampleId :
 40755

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.4
265	20.9	17.6	26.4



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

