

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051820\
 Data File : BG045417.D
 Acq On : 18 May 2020 17:48
 Operator : CG/JU
 Sample : L2503-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-051420

Quant Time: May 18 18:29:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 18 15:47:17 2020
 Response via : Initial Calibration

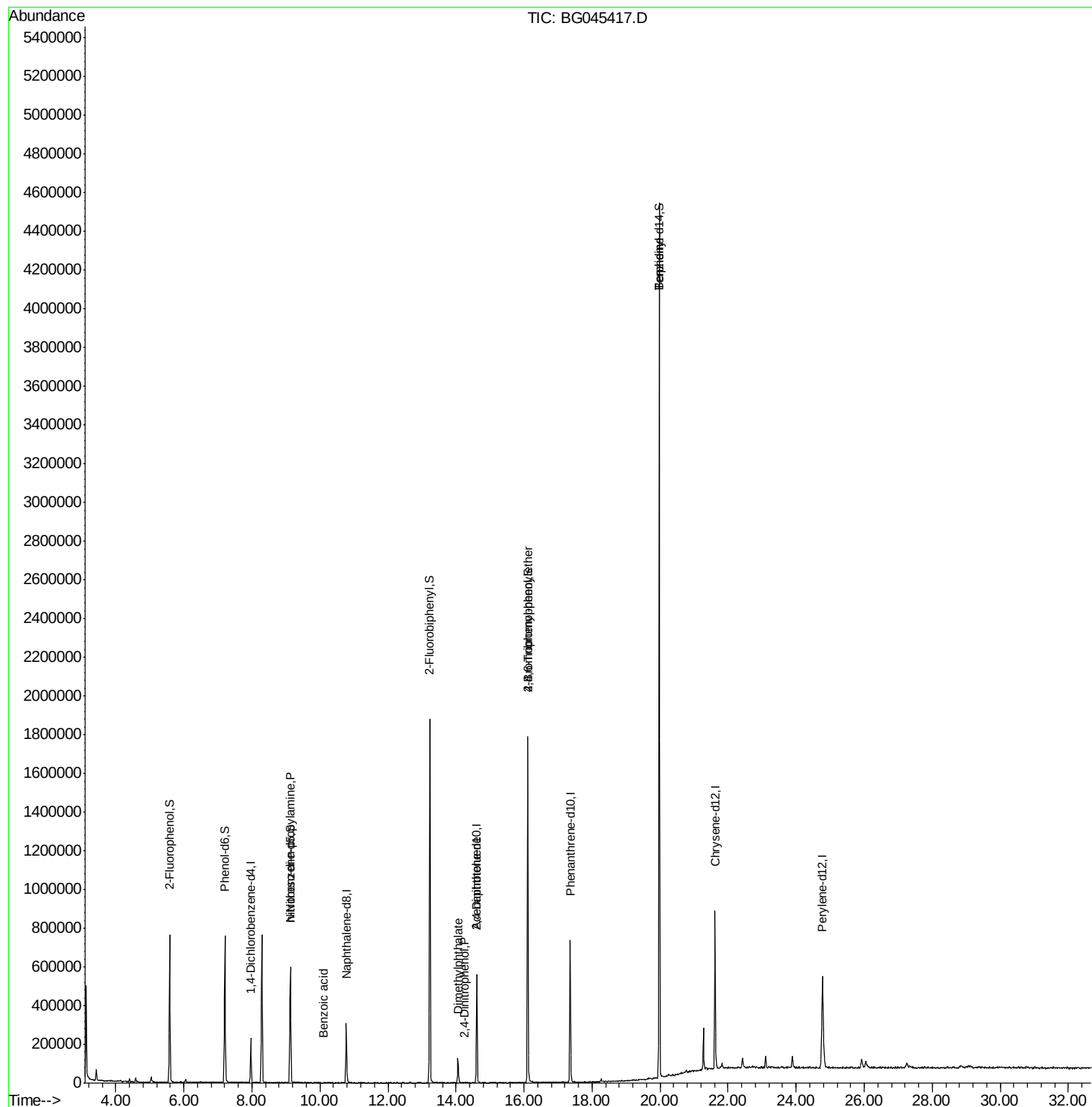
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	68148	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	279407	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	205979	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	485048	20.00	ng	0.00
76) Chrysene-d12	21.62	240	512567	20.00	ng	0.00
87) Perylene-d12	24.77	264	541337	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	379141	108.73	ng	0.00
7) Phenol-d6	7.20	99	506531	102.06	ng	0.00
23) Nitrobenzene-d5	9.13	82	413932	80.79	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	366681	139.20	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1039799	85.63	ng	0.00
79) Terphenyl-d14	19.97	244	2078252	94.57	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.13	70	56404	16.434	ng	# 82
32) Benzoic acid	10.12	122	65	10.044	ng	# 1
50) Dimethylphthalate	14.06	163	87791	6.213	ng	# 98
54) 2,4-Dinitrophenol	14.26	184	61	5.486	ng	# 17
57) 2,4-Dinitrotoluene	14.61	165	26944	5.835	ng	# 23
67) 4-Bromophenyl-phenylether	16.11	248	24433	4.652	ng	# 1
77) Benzidine	19.97	184	40196	2.792	ng	# 93

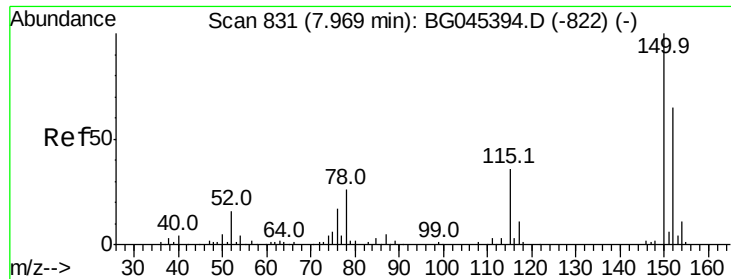
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051820\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 18 15:47:17 2020
Response via : Initial Calibration



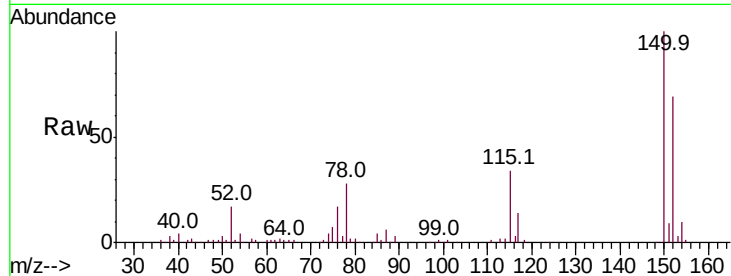


#1

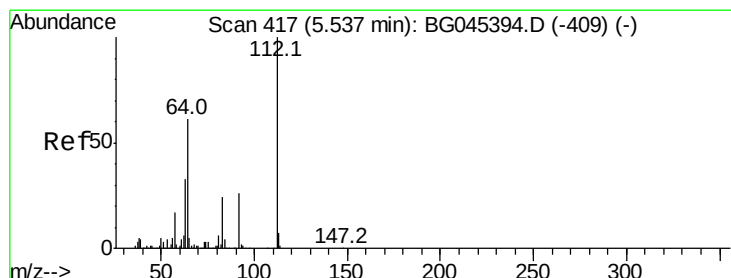
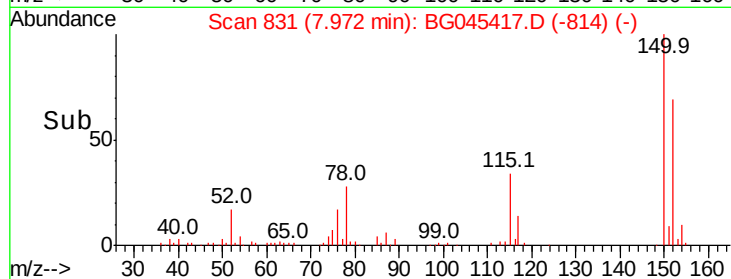
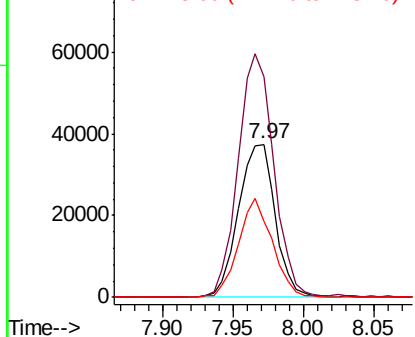
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG045417.D
Acq: 18 May 2020 17:48

Instrument :
BNA_G
ClientSampleId :
OR-02-051420

Tot Ion:152 Resp: 68148
Ion Ratio Lower Upper
152 100
150 144.1 122.4 183.6
115 49.6 44.2 66.4



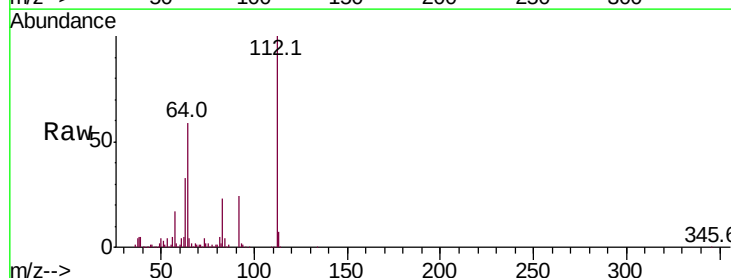
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



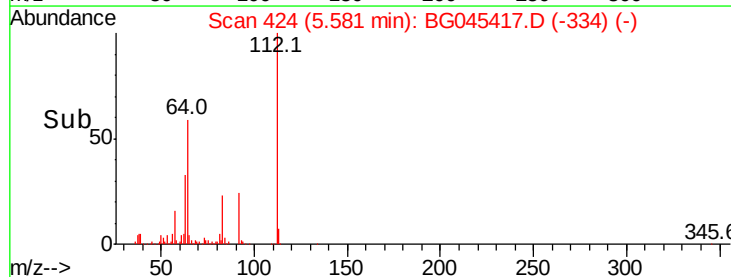
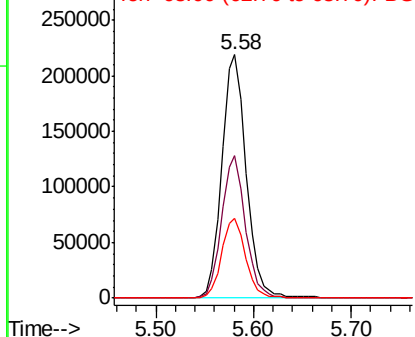
#5

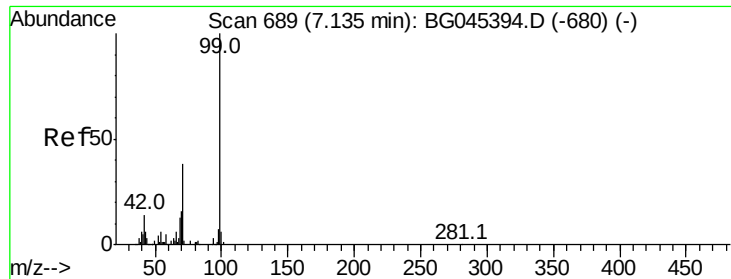
2-Fluorophenol
Concen: 108.727 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG045417.D
Acq: 18 May 2020 17:48

Tgt Ion:112 Resp: 379141
Ion Ratio Lower Upper
112 100
64 58.7 48.6 72.8
63 32.8 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: 102.058 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG045417.D

Acq: 18 May 2020 17:48

Instrument :

BNA_G

ClientSampleId :

OR-02-051420

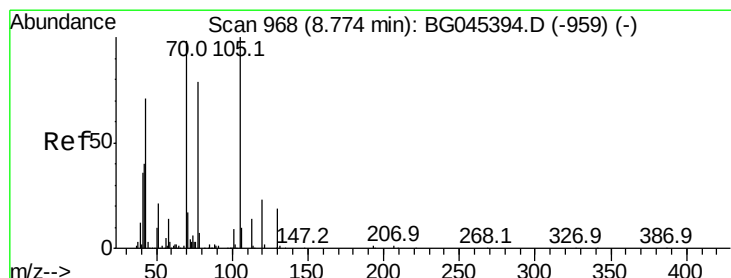
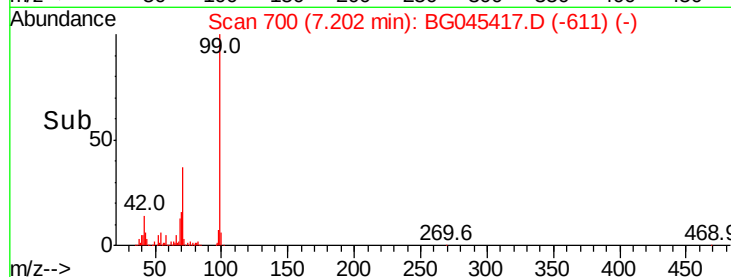
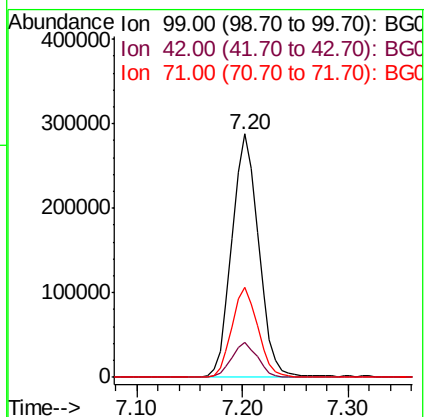
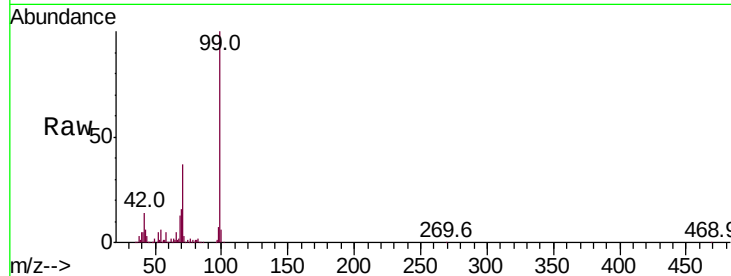
Tot Ion: 99 Resp: 506531

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

71 37.0 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.434 ng

RT: 9.13 min Scan# 1028

Delta R.T. 0.35 min

Lab File: BG045417.D

Acq: 18 May 2020 17:48

Tgt Ion: 70 Resp: 56404

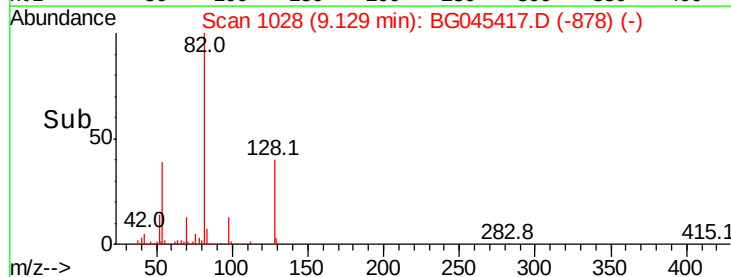
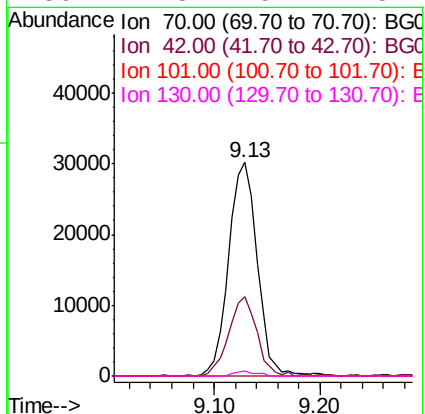
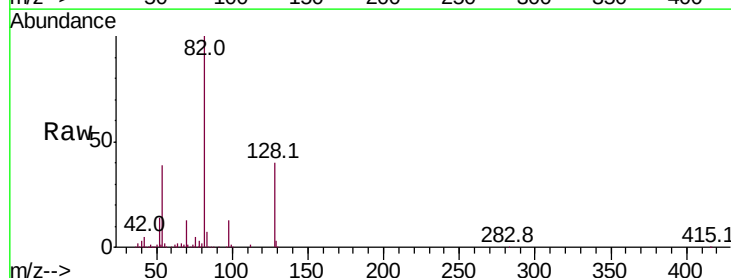
Ion Ratio Lower Upper

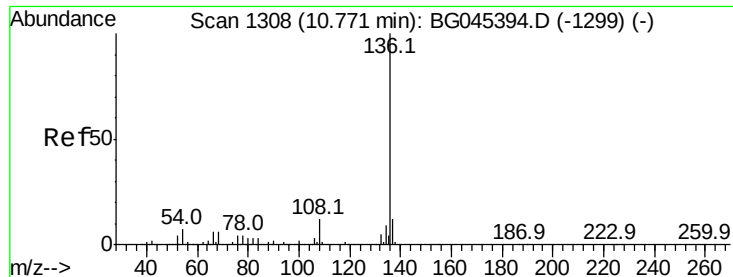
70 100

42 37.2 33.2 49.8

101 0.0 7.8 11.6#

130 2.3 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BG045417.D

Acq: 18 May 2020 17:48

Instrument :

BNA_G

ClientSampleId :

OR-02-051420

Tot Ion:136 Resp: 279407

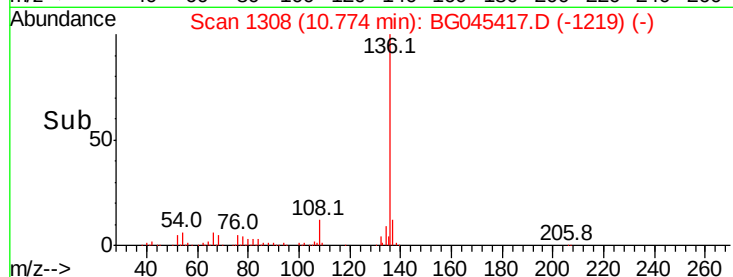
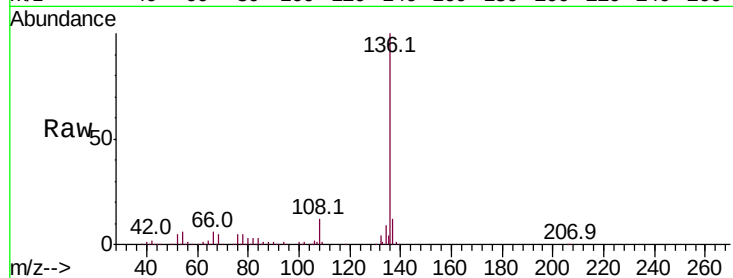
Ion Ratio Lower Upper

136 100

137 11.6 9.4 14.2

54 6.0 5.8 8.6

68 4.9 4.5 6.7

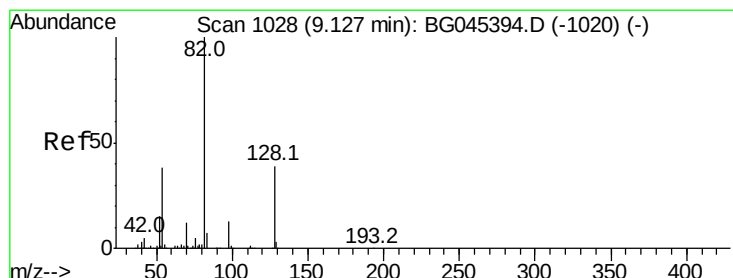
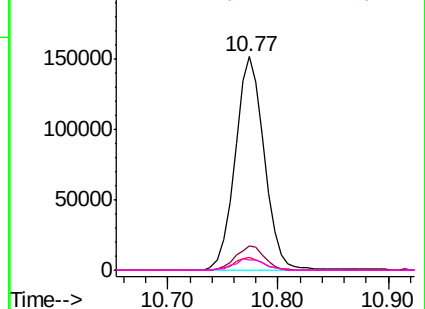


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.787 ng

RT: 9.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BG045417.D

Acq: 18 May 2020 17:48

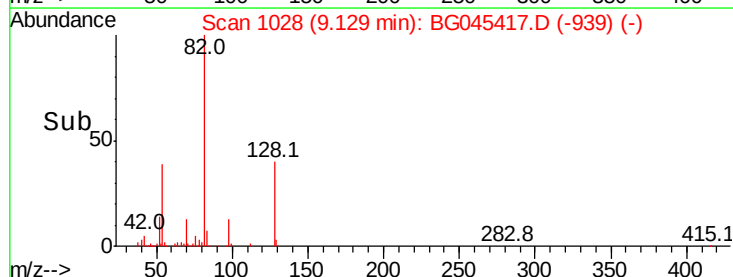
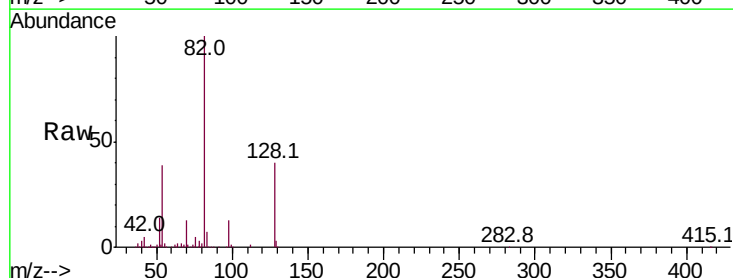
Tgt Ion: 82 Resp: 413932

Ion Ratio Lower Upper

82 100

128 39.6 30.9 46.3

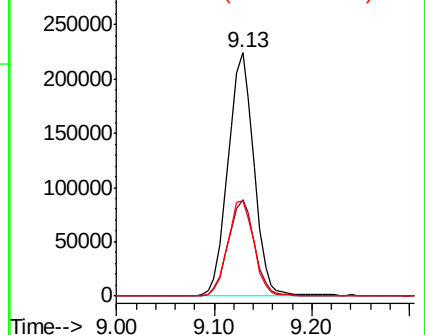
54 39.0 30.3 45.5

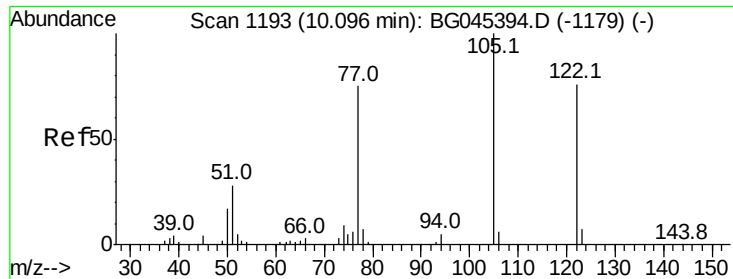


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 10.044 ng

RT: 10.12 min Scan# 1197

Delta R.T. -0.07 min

Lab File: BG045417.D

Acq: 18 May 2020 17:48

Instrument :

BNA_G

ClientSampleId :

OR-02-051420

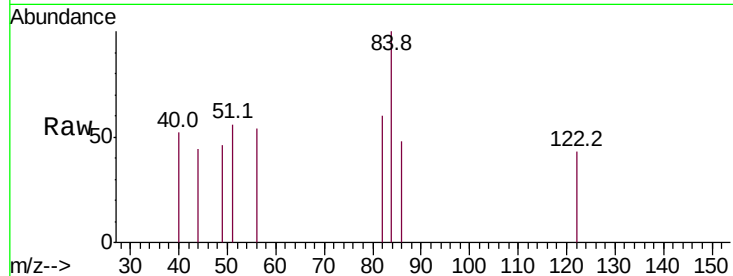
Tot Ion:122 Resp: 65

Ion Ratio Lower Upper

122 100

105 0.0 107.9 147.9#

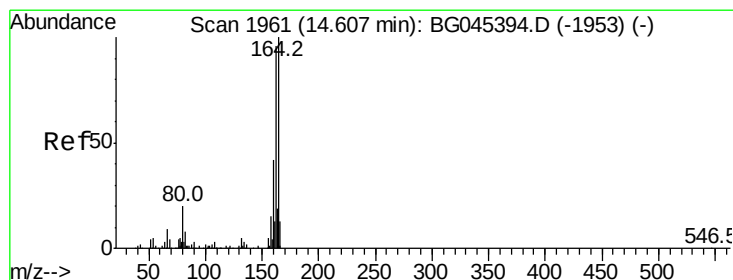
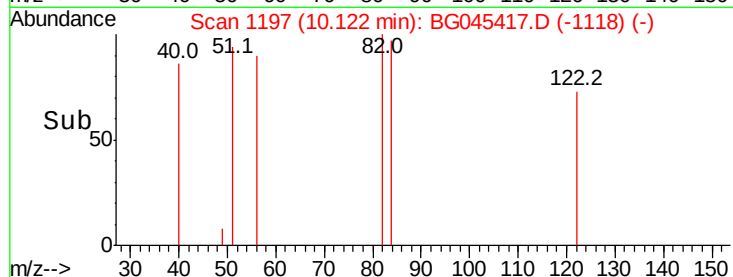
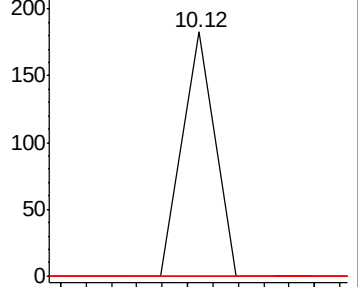
77 0.0 78.9 118.9#



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: 14.61 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BG045417.D

Acq: 18 May 2020 17:48

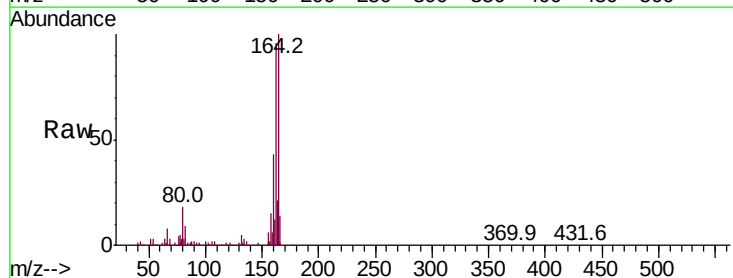
Tgt Ion:164 Resp: 205979

Ion Ratio Lower Upper

164 100

162 96.1 76.9 115.3

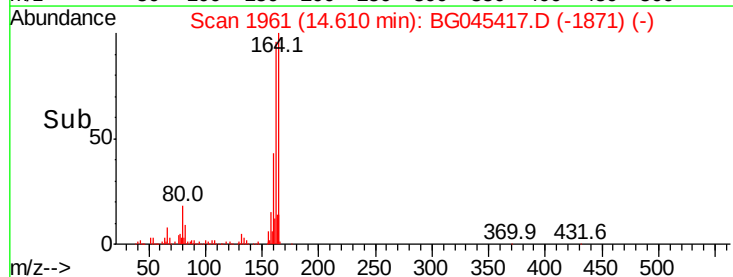
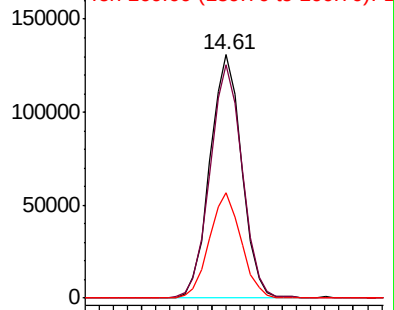
160 43.2 33.8 50.8

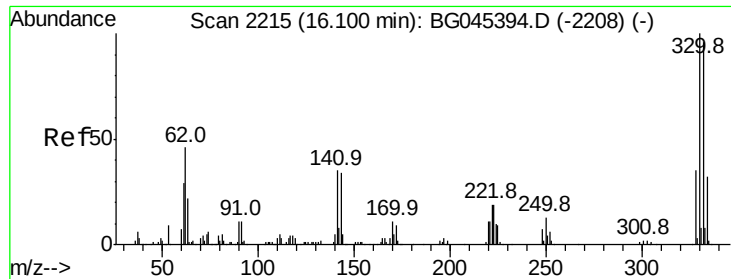


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

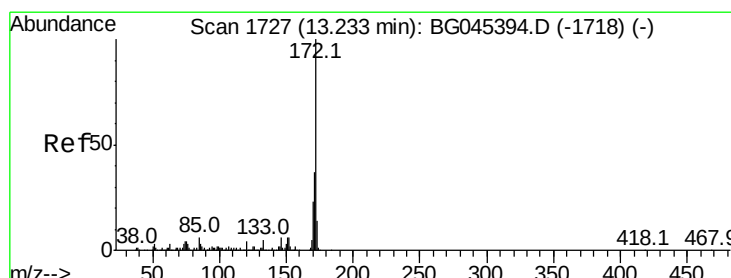
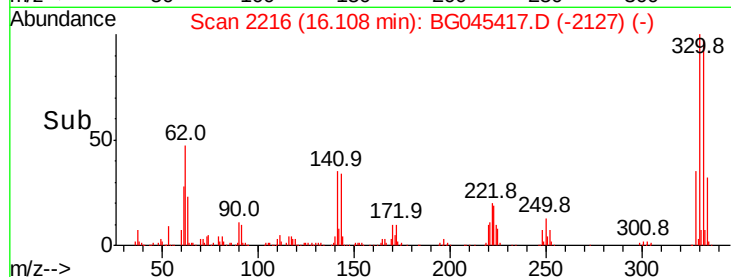
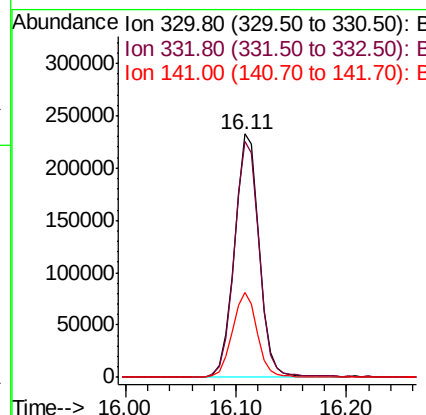
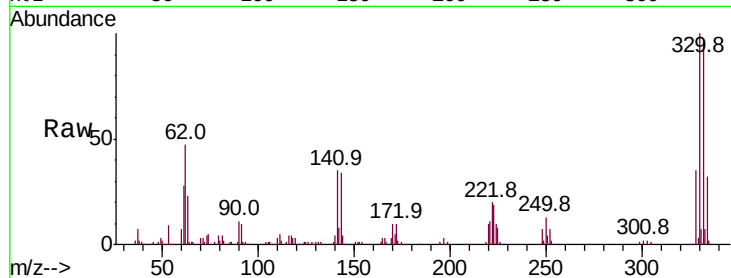




#42
 2,4,6-Tribromophenol
 Concen: 139.198 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG045417.D
 Acq: 18 May 2020 17:48

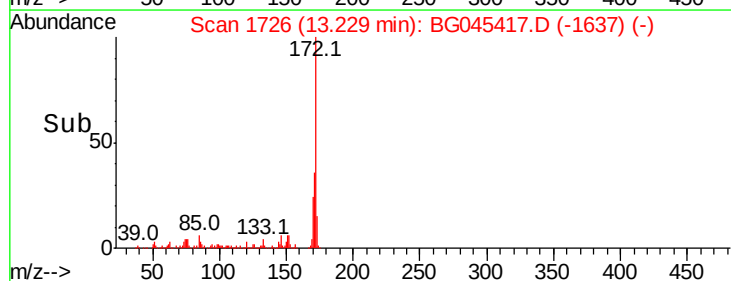
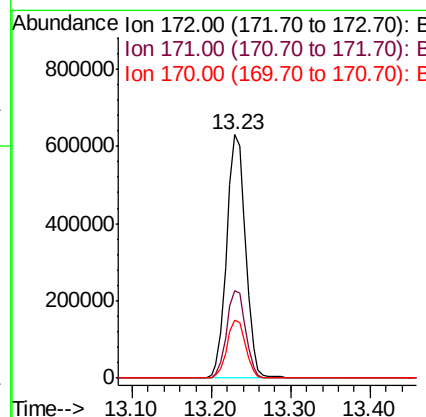
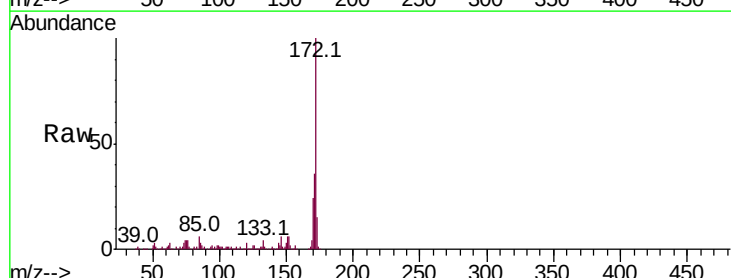
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-051420

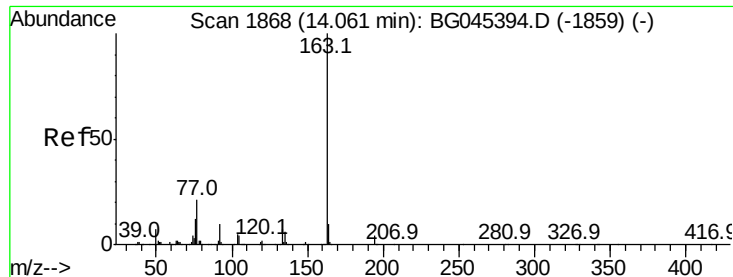
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.2	117.4
141	34.8	28.2	42.4



#45
 2-Fluorobiphenyl
 Concen: 85.626 ng
 RT: 13.23 min Scan# 1726
 Delta R.T. -0.01 min
 Lab File: BG045417.D
 Acq: 18 May 2020 17:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.5	44.3
170	24.0	18.5	27.7





#50

Dimethylphthalate

Concen: 6.213 ng

RT: 14.06 min Scan# 1867

Delta R.T. -0.02 min

Lab File: BG045417.D

Acq: 18 May 2020 17:48

Instrument :

BNA_G

ClientSampleId :

OR-02-051420

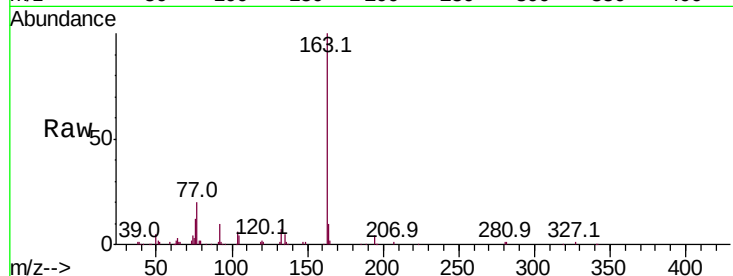
Tot Ion:163 Resp: 87791

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

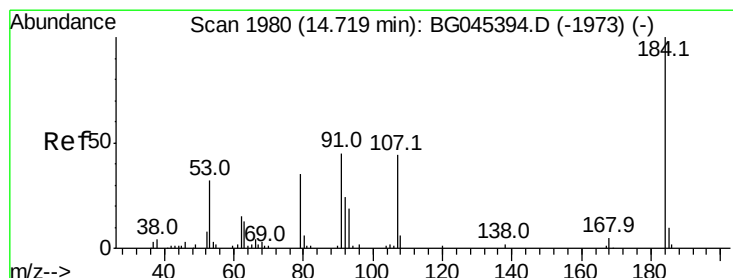
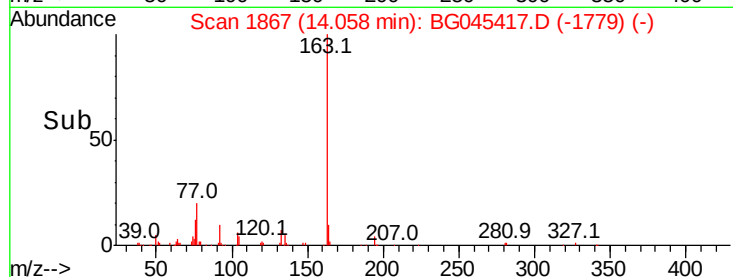
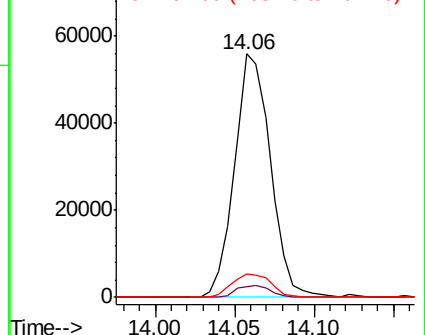
164 9.5 8.3 12.5



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: 5.486 ng

RT: 14.26 min Scan# 1901

Delta R.T. -0.47 min

Lab File: BG045417.D

Acq: 18 May 2020 17:48

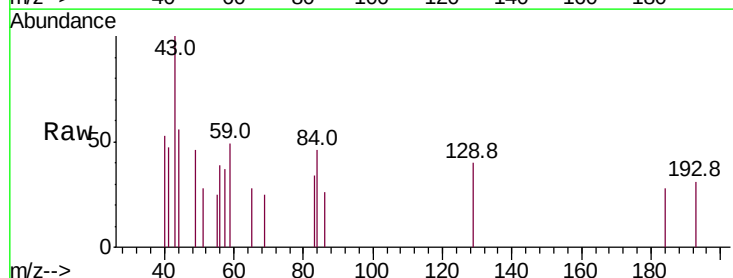
Tgt Ion:184 Resp: 61

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

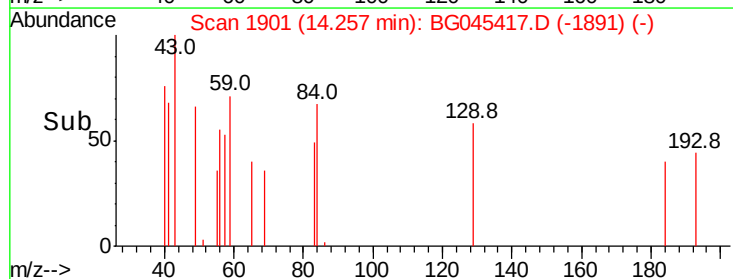
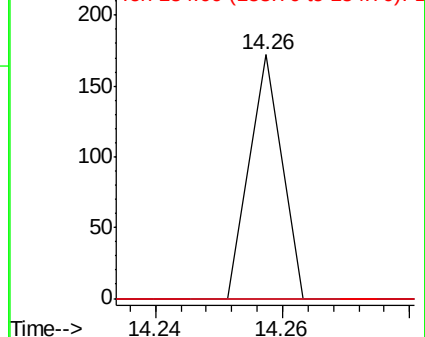
154 0.0 58.3 87.5#

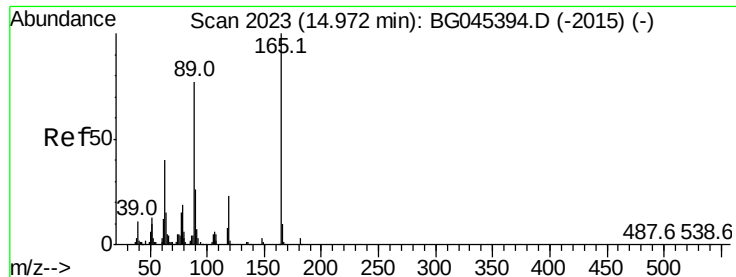


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

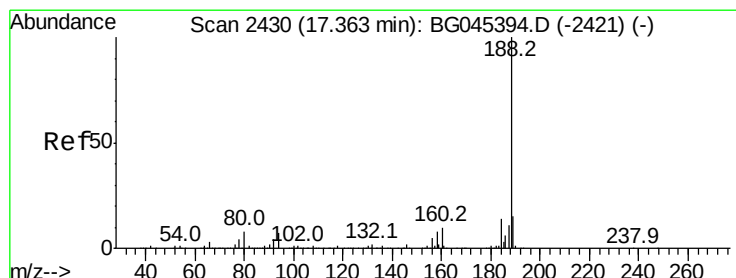
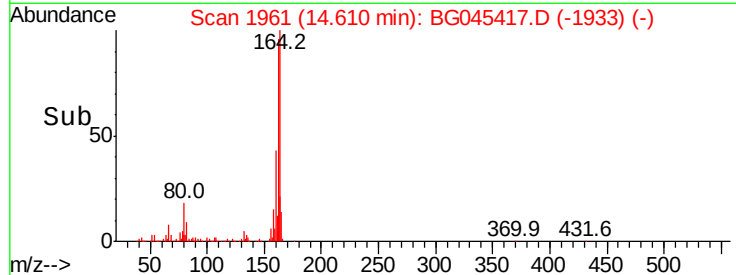
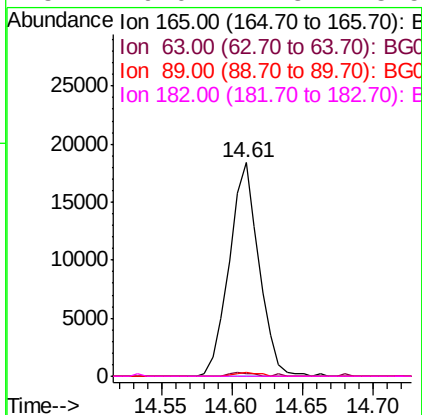
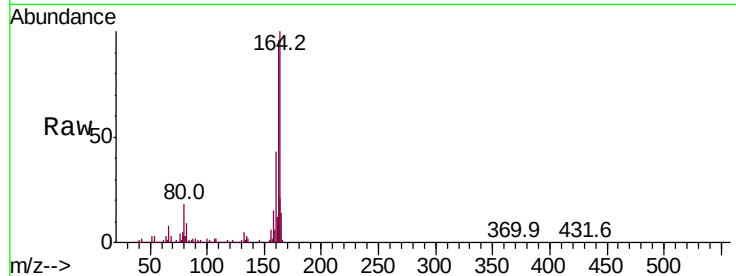




#57
 2,4-Dinitrotoluene
 Concen: 5.835 ng
 RT: 14.61 min Scan# 1961
 Delta R.T. -0.37 min
 Lab File: BG045417.D
 Acq: 18 May 2020 17:48

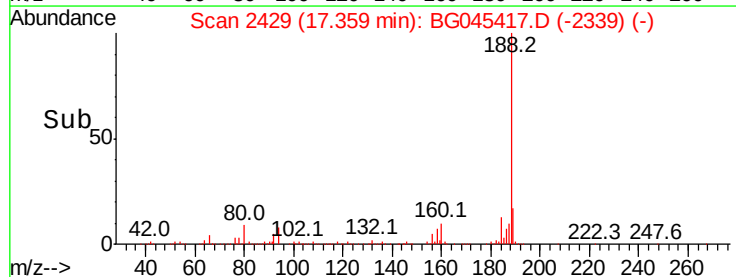
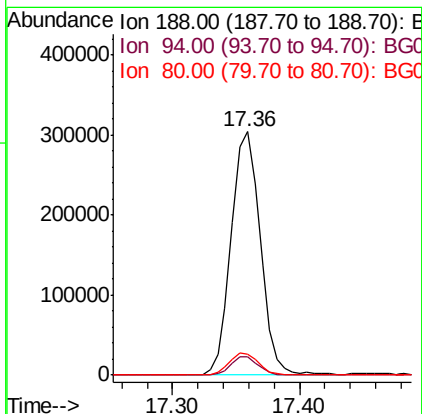
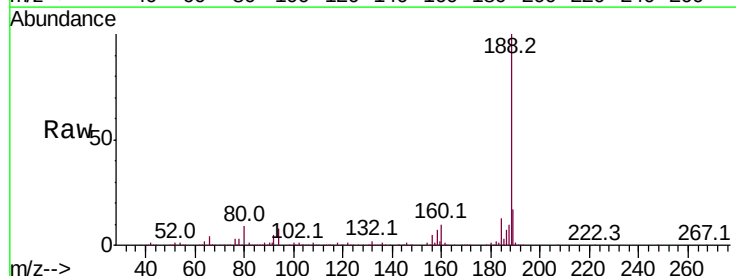
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-051420

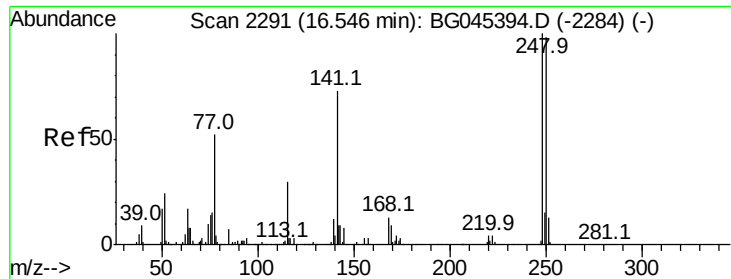
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	32.5	48.7#
89	1.6	61.8	92.6#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.36 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: BG045417.D
 Acq: 18 May 2020 17:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.5	8.3
80	8.7	6.6	10.0

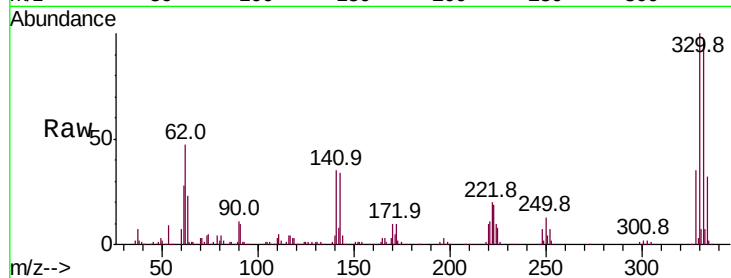




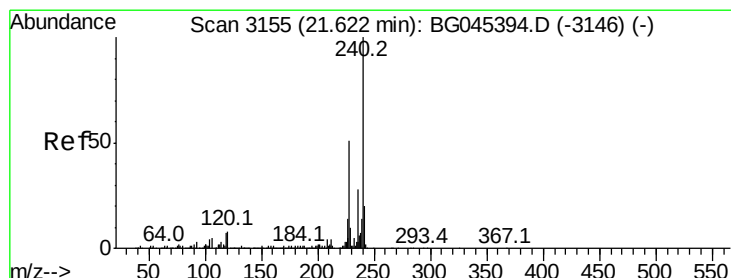
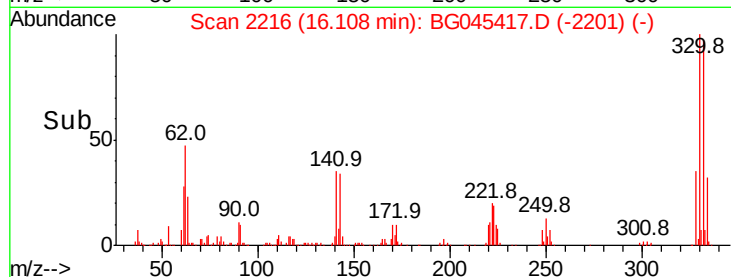
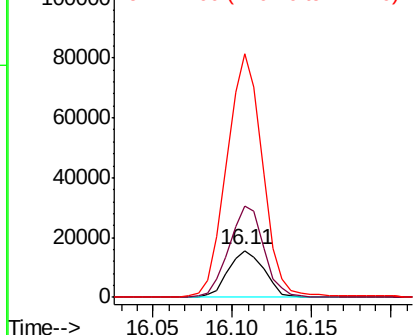
#67
 4-Bromophenyl-phenylether
 Concen: 4.652 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.44 min
 Lab File: BG045417.D
 Acq: 18 May 2020 17:48

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-051420

Tot Ion:248 Resp: 24433
 Ion Ratio Lower Upper
 248 100
 250 196.9 78.6 117.8#
 141 523.6 58.2 87.2#

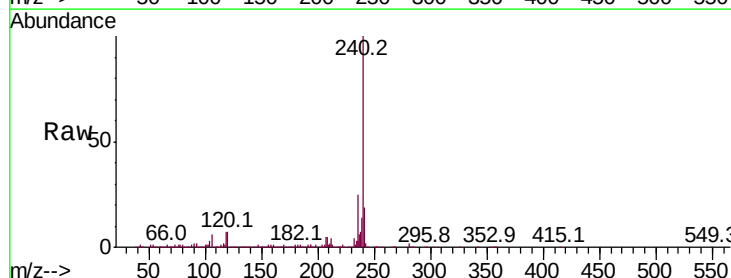


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

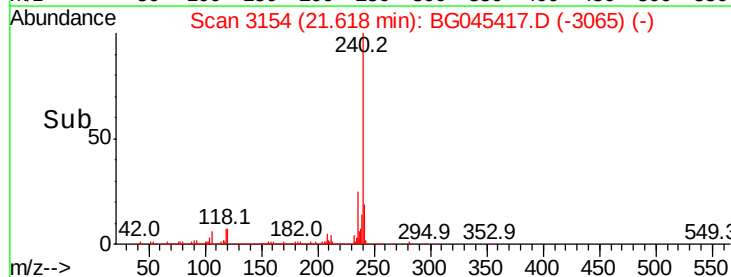
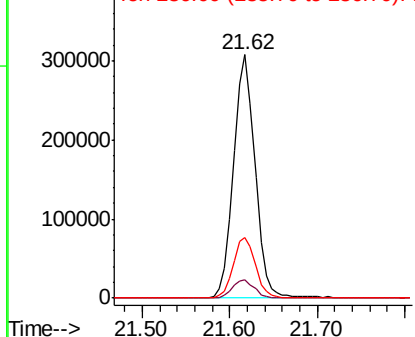


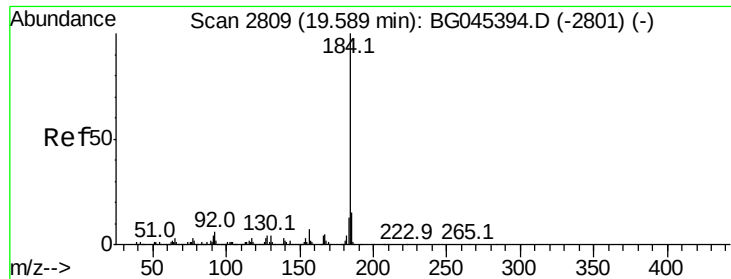
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.62 min Scan# 3154
 Delta R.T. -0.01 min
 Lab File: BG045417.D
 Acq: 18 May 2020 17:48

Tgt Ion:240 Resp: 512567
 Ion Ratio Lower Upper
 240 100
 120 7.5 6.1 9.1
 236 25.0 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: 2.792 ng

RT: 19.97 min Scan# 2874

Delta R.T. 0.38 min

Lab File: BG045417.D

Acq: 18 May 2020 17:48

Instrument :

BNA_G

ClientSampleId :

OR-02-051420

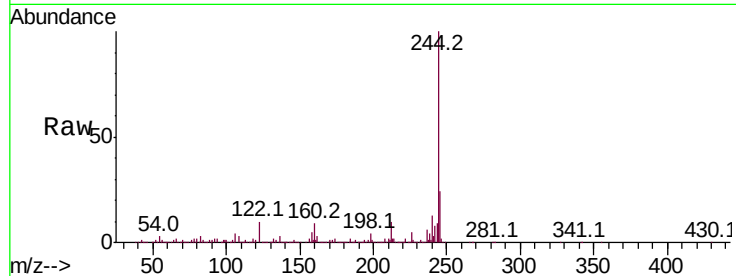
Tot Ion:184 Resp: 40196

Ion Ratio Lower Upper

184 100

185 17.2 11.7 17.5

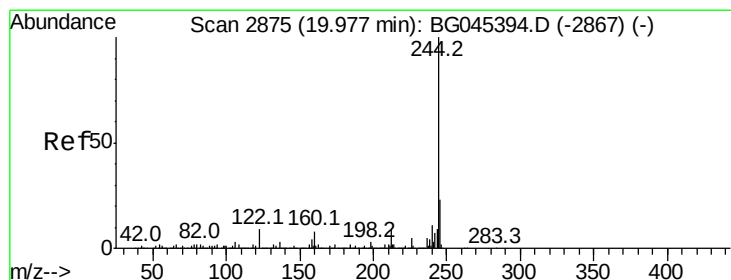
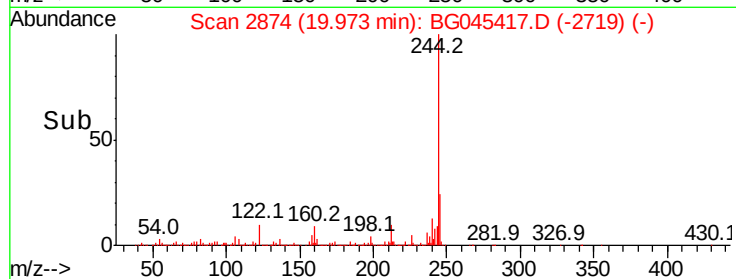
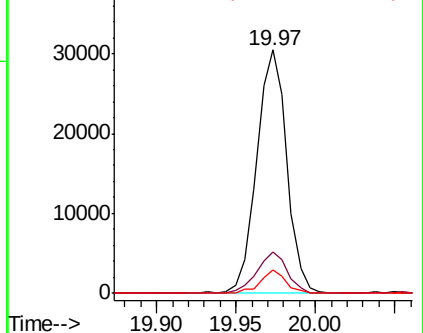
183 9.7 10.2 15.4#



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



#79

Terphenyl-d14

Concen: 94.565 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.00 min

Lab File: BG045417.D

Acq: 18 May 2020 17:48

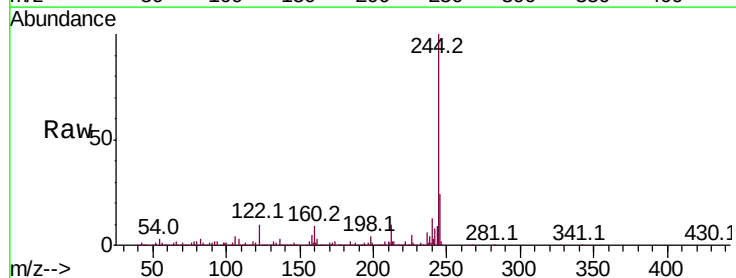
Tgt Ion:244 Resp: 2078252

Ion Ratio Lower Upper

244 100

212 9.9 7.4 11.0

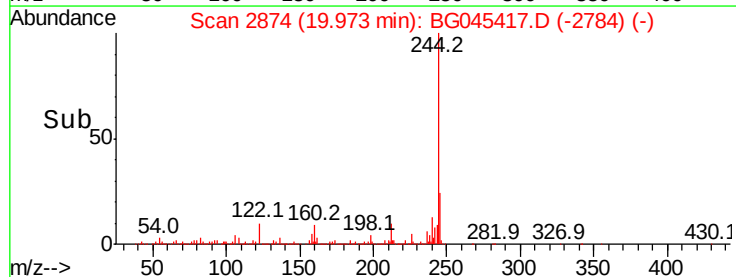
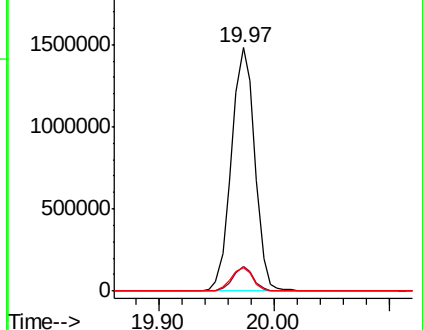
122 9.9 6.8 10.2

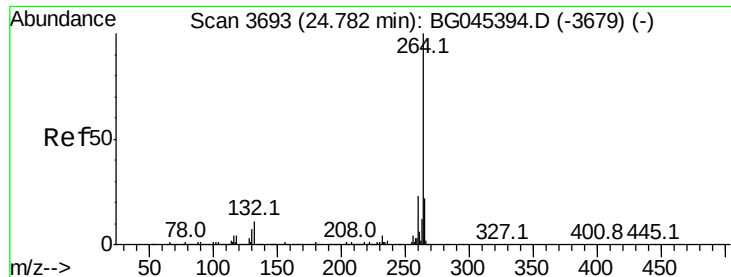


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.77 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BG045417.D

Acq: 18 May 2020 17:48

Instrument :

BNA_G

ClientSampleId :

OR-02-051420

Tot Ion:264 Resp: 541337

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 22.3 17.6 26.4

