

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051520\
 Data File : BG045407.D
 Acq On : 15 May 2020 21:56
 Operator : CG/JU
 Sample : L2668-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 16 00:25:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 15:45:48 2020
 Response via : Initial Calibration

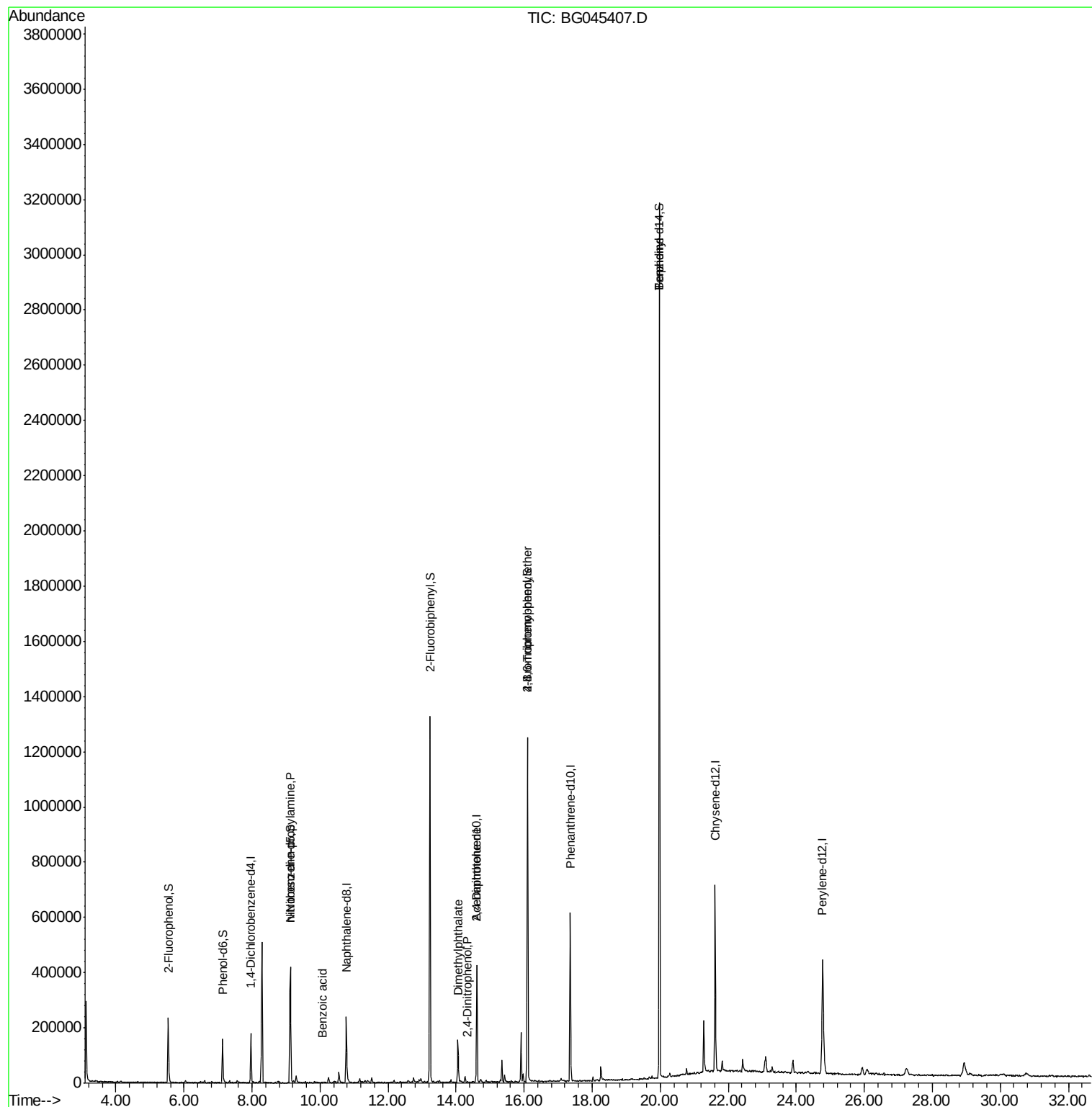
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	54749	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	219064	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	158528	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	392395	20.00	ng	0.00
76) Chrysene-d12	21.62	240	427236	20.00	ng	0.00
87) Perylene-d12	24.78	264	450798	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	117170	41.82	ng	0.00
7) Phenol-d6	7.13	99	105046	26.34	ng	0.00
23) Nitrobenzene-d5	9.13	82	298459	74.30	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	254085	125.33	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	726102	77.69	ng	0.00
79) Terphenyl-d14	19.98	244	1547433	84.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	41158	14.927	ng	# 78
32) Benzoic acid	10.08	122	317	10.158	ng	# 44
50) Dimethylphthalate	14.05	163	103863	9.551	ng	# 99
54) 2,4-Dinitrophenol	14.33	184	55	5.491	ng	# 17
57) 2,4-Dinitrotoluene	14.61	165	20073	5.648	ng	# 21
67) 4-Bromophenyl-phenylether	16.11	248	16820	3.959	ng	# 1
77) Benzidine	19.97	184	29679	2.473	ng	# 89

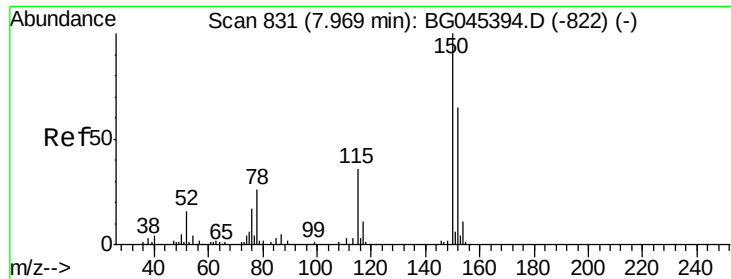
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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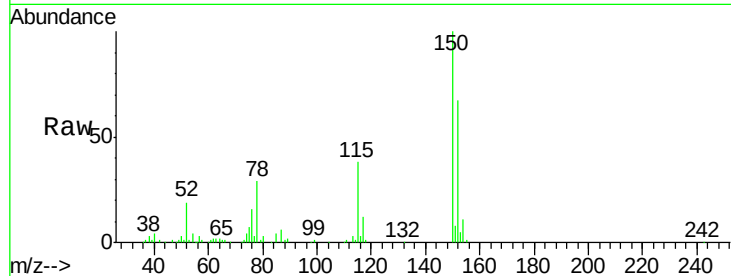


#1

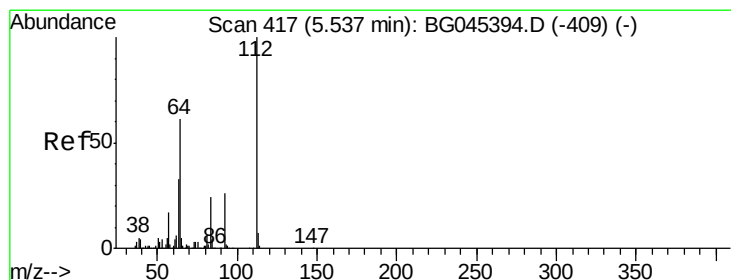
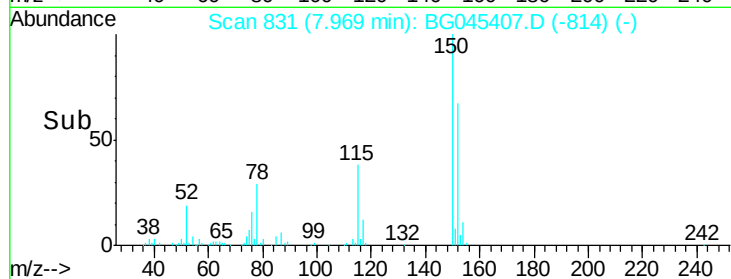
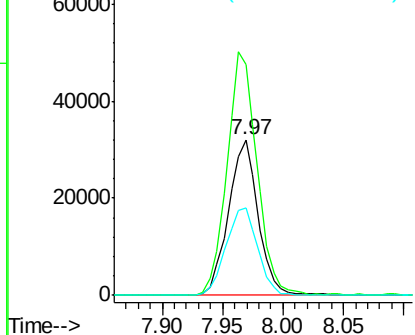
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG045407.D
Acq: 15 May 2020 21:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54749
Ion Ratio Lower Upper
152 100
150 148.4 122.4 183.6
115 55.9 44.2 66.4



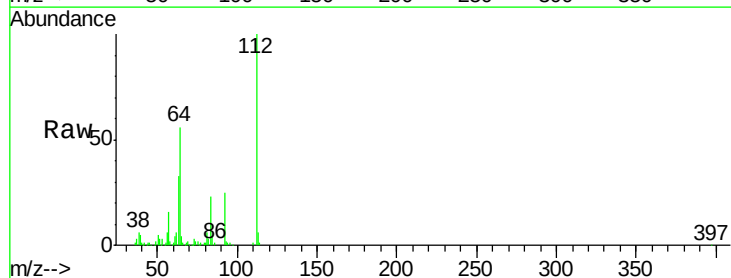
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



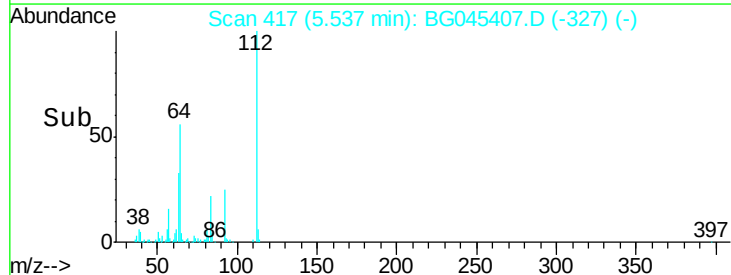
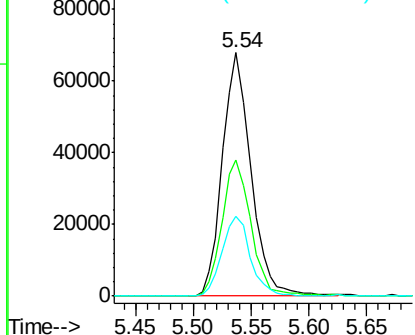
#5

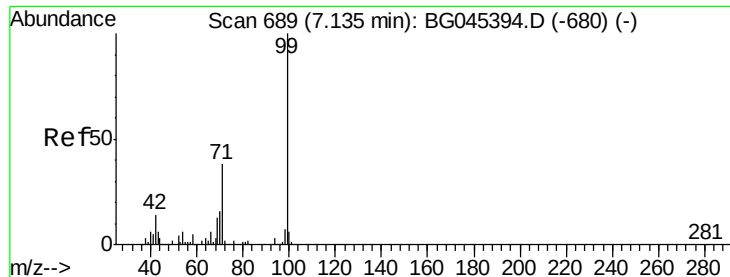
2-Fluorophenol
Concen: 41.824 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG045407.D
Acq: 15 May 2020 21:56

Tgt Ion:112 Resp: 117170
Ion Ratio Lower Upper
112 100
64 55.9 48.6 72.8
63 32.6 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 26.345 ng

RT: 7.13 min Scan# 689

Delta R.T. -0.00 min

Lab File: BG045407.D

Acq: 15 May 2020 21:56

Instrument :

BNA_G

ClientSampleId :

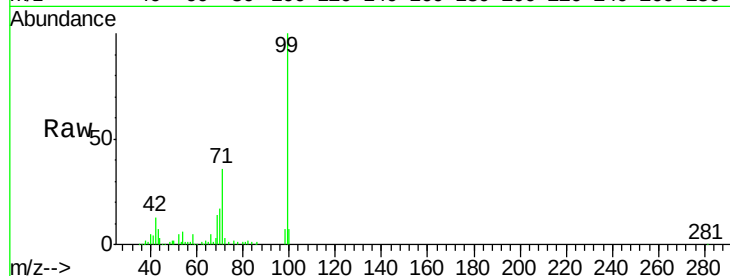
Tot Ion: 99 Resp: 105046

Ion Ratio Lower Upper

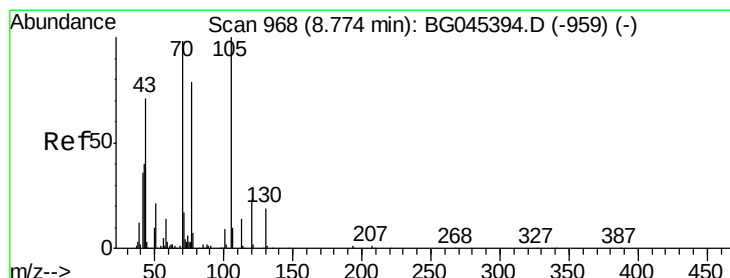
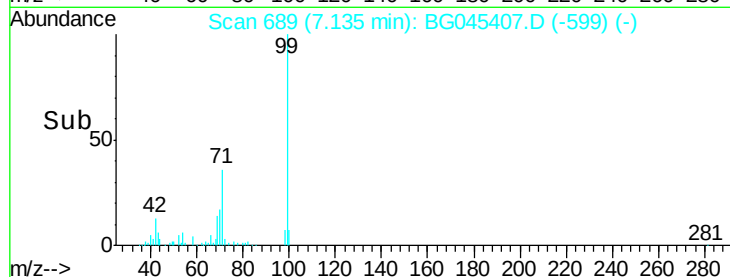
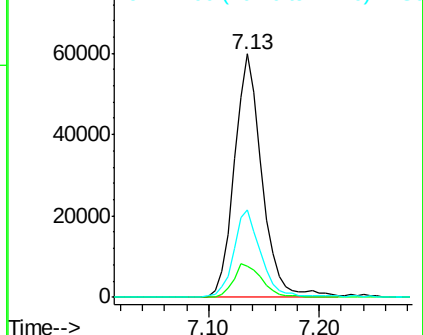
99 100

42 12.9 11.3 16.9

71 35.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.927 ng

RT: 9.12 min Scan# 1027

Delta R.T. 0.35 min

Lab File: BG045407.D

Acq: 15 May 2020 21:56

Tgt Ion: 70 Resp: 41158

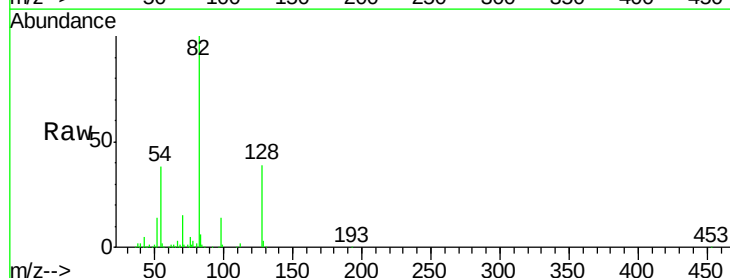
Ion Ratio Lower Upper

70 100

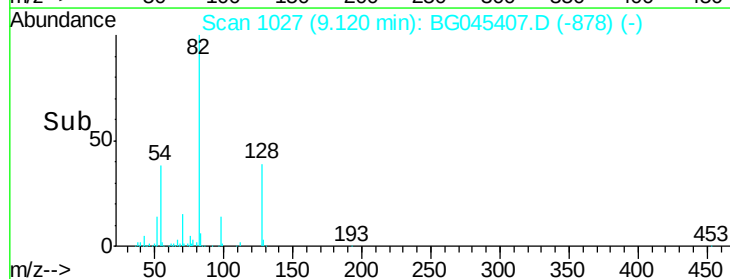
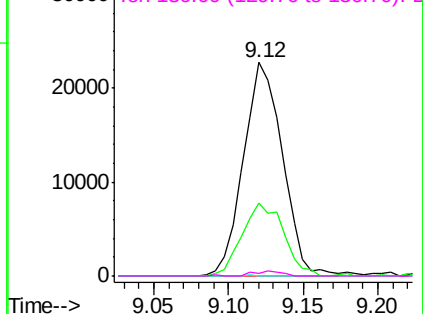
42 34.2 33.2 49.8

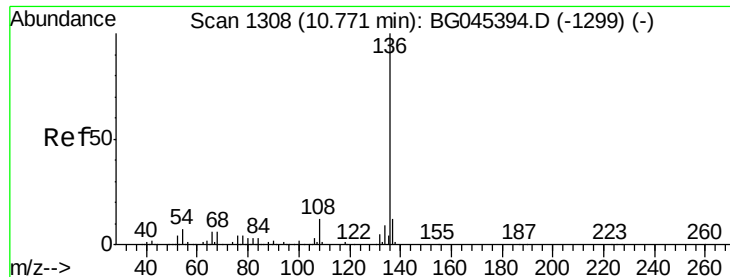
101 0.0 7.8 11.6#

130 1.0 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

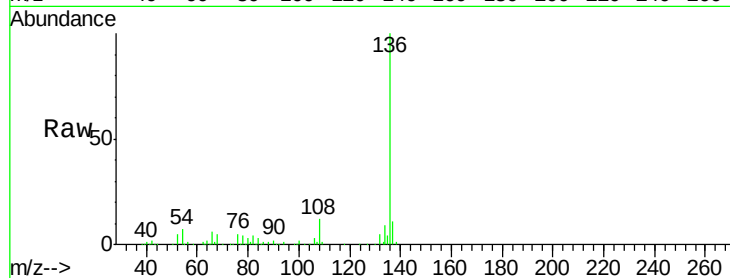




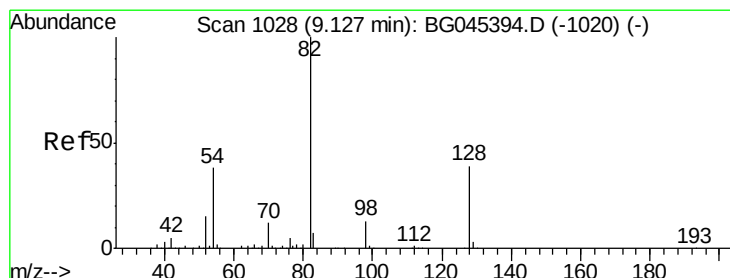
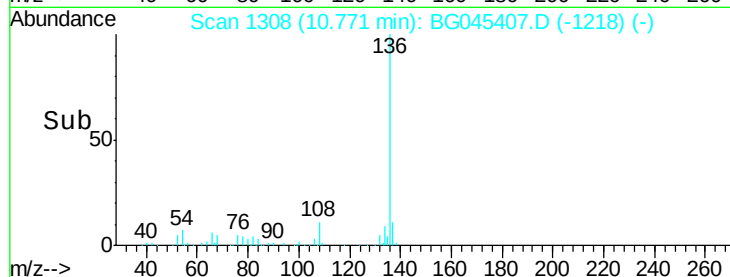
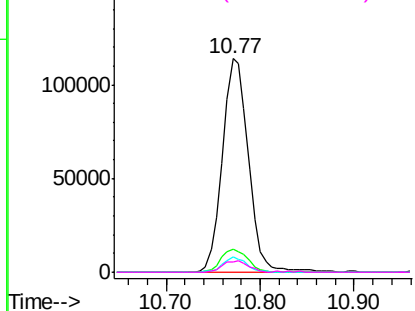
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1308
Delta R.T. -0.00 min
Lab File: BG045407.D
Acq: 15 May 2020 21:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	219064	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	9.4	14.2	
54 7.0	5.8	8.6	
68 5.1	4.5	6.7	

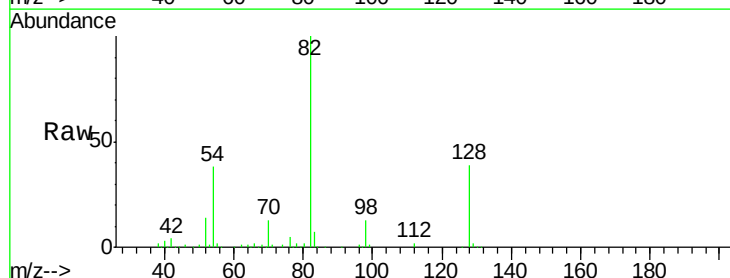


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

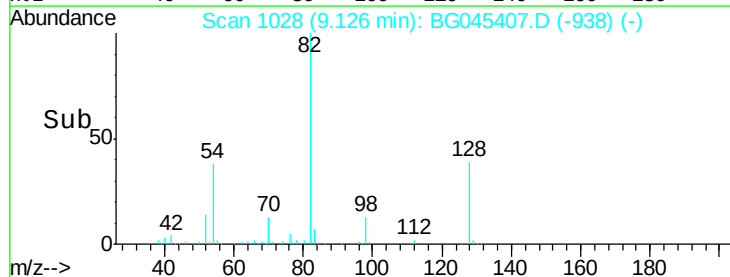
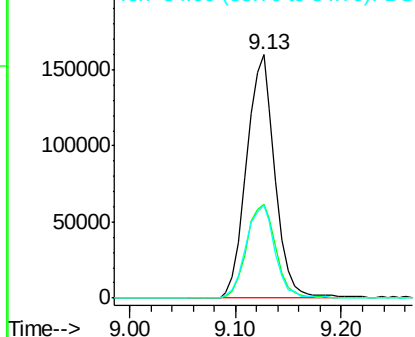


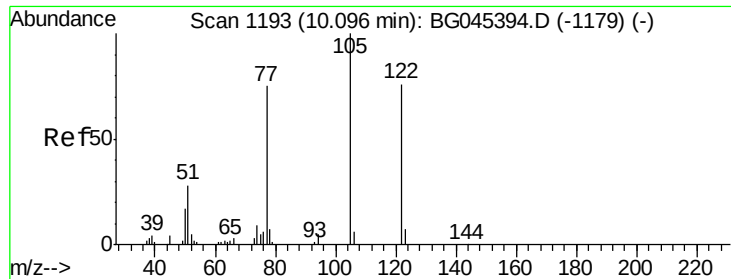
#23
Nitrobenzene-d5
Concen: 74.295 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG045407.D
Acq: 15 May 2020 21:56

Tgt	Ion: 82	Resp:	298459
Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.9	46.3
54	38.1	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

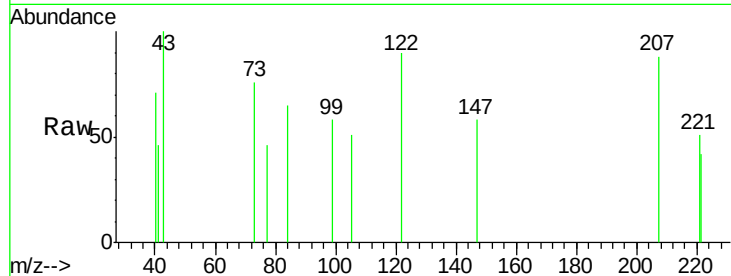




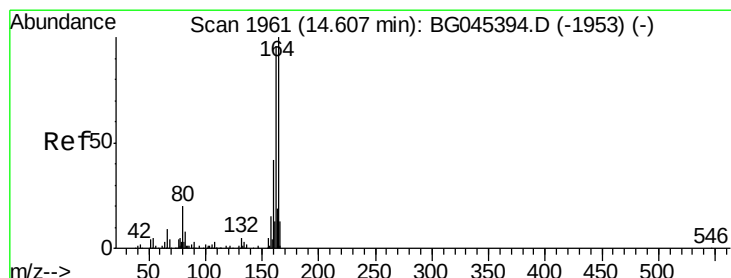
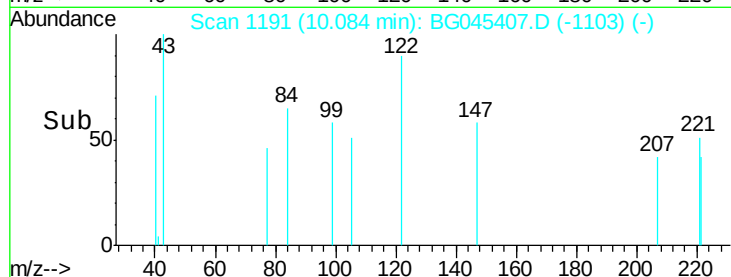
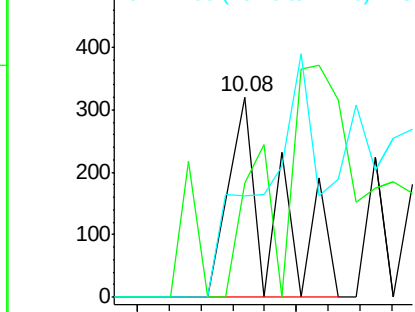
#32
Benzoic acid
Concen: 10.158 ng
RT: 10.08 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BG045407.D
Acq: 15 May 2020 21:56

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 317
Ion Ratio Lower Upper
122 100
105 56.7 107.9 147.9#
77 50.8 78.9 118.9#

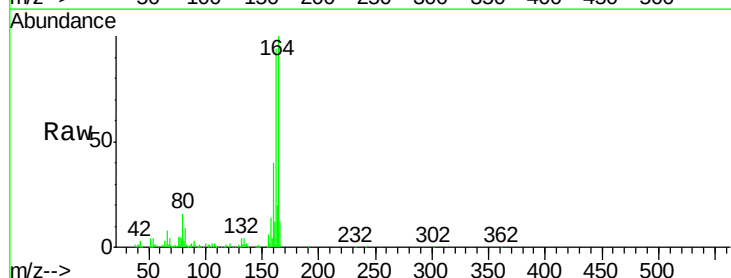


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

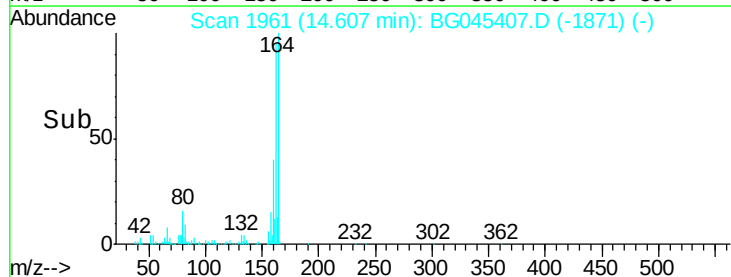
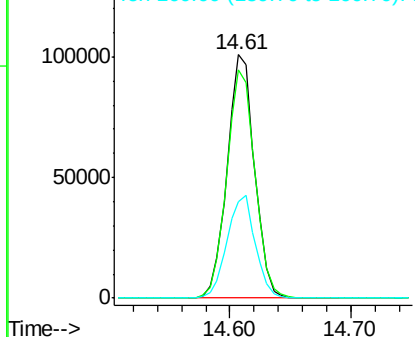


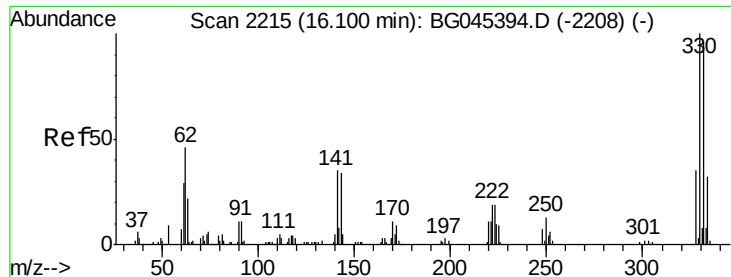
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.61 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BG045407.D
Acq: 15 May 2020 21:56

Tgt Ion:164 Resp: 158528
Ion Ratio Lower Upper
164 100
162 93.5 76.9 115.3
160 39.6 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: 125.326 ng

RT: 16.10 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BG045407.D

Acq: 15 May 2020 21:56

Instrument :

BNA_G

ClientSampled :

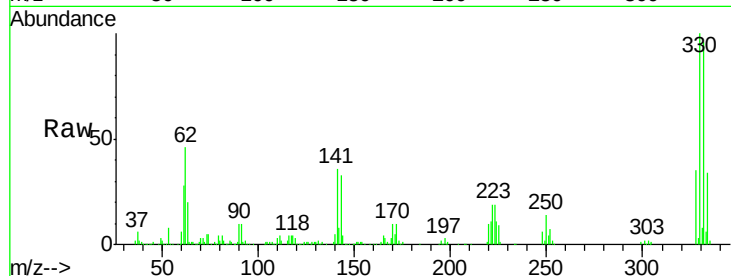
Tot Ion:330 Resp: 254085

Ion Ratio Lower Upper

330 100

332 98.2 78.2 117.4

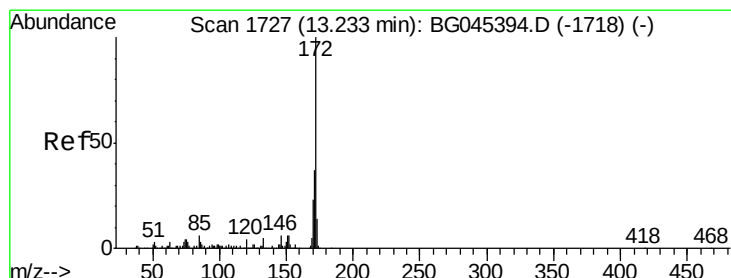
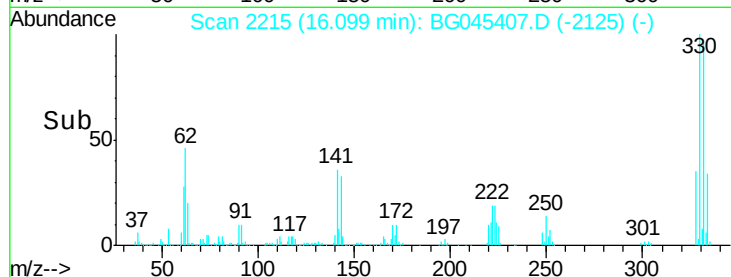
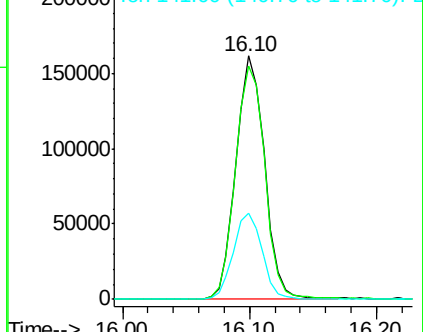
141 35.5 28.2 42.4



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: 77.691 ng

RT: 13.23 min Scan# 1727

Delta R.T. -0.00 min

Lab File: BG045407.D

Acq: 15 May 2020 21:56

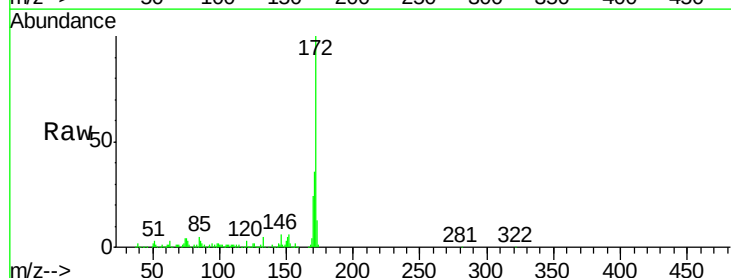
Tgt Ion:172 Resp: 726102

Ion Ratio Lower Upper

172 100

171 36.4 29.5 44.3

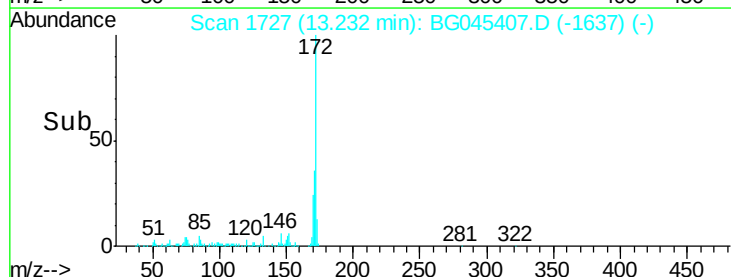
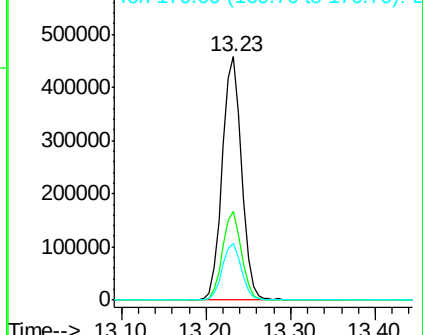
170 23.5 18.5 27.7

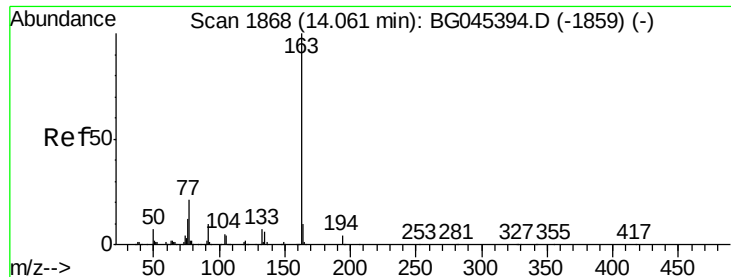


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.551 ng

RT: 14.05 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BG045407.D

Acq: 15 May 2020 21:56

Instrument :

BNA_G

ClientSampleId :

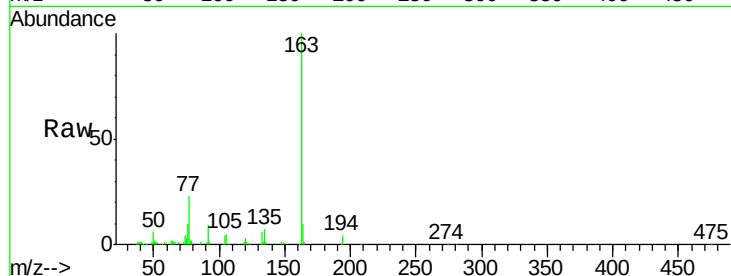
Tot Ion:163 Resp: 103863

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

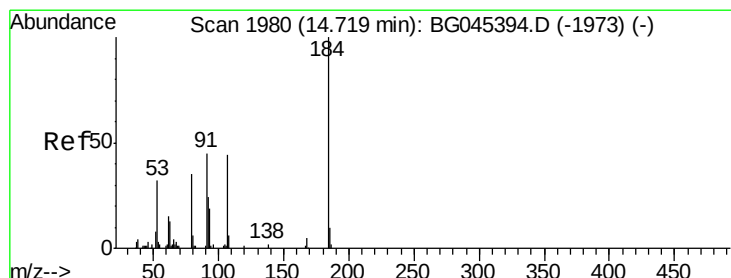
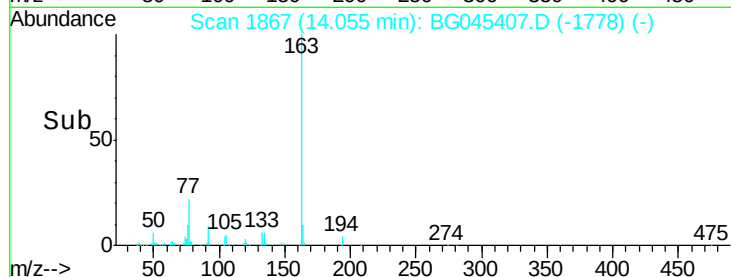
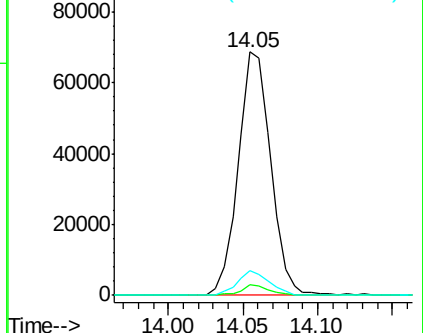
164 9.9 8.3 12.5



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: 14.33 min Scan# 1914

Delta R.T. -0.39 min

Lab File: BG045407.D

Acq: 15 May 2020 21:56

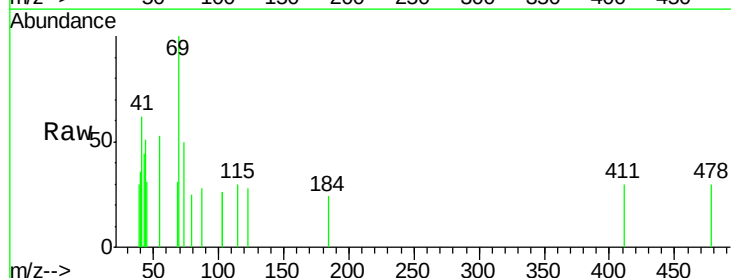
Tgt Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

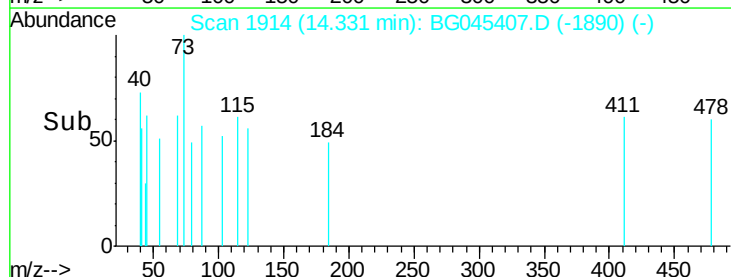
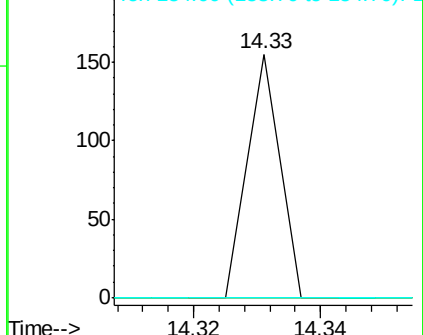
154 0.0 58.3 87.5#

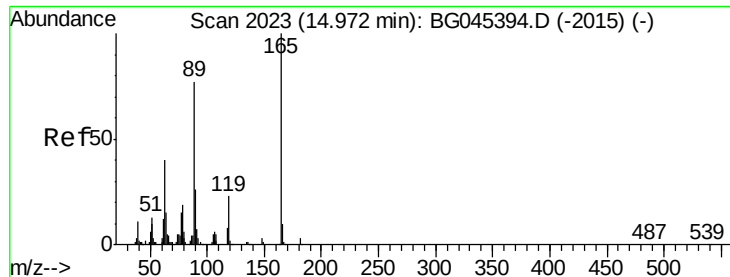


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

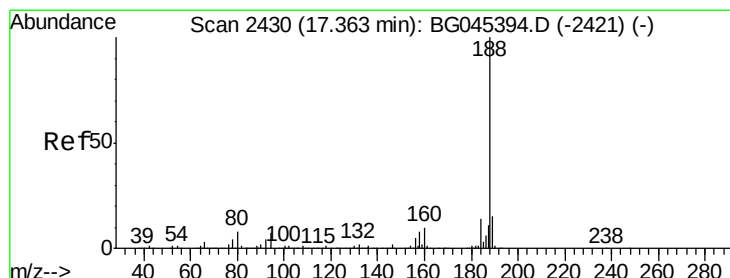
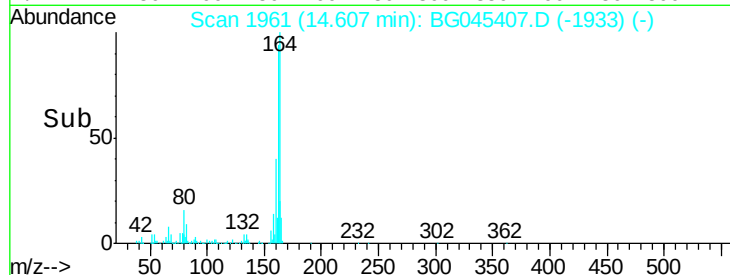
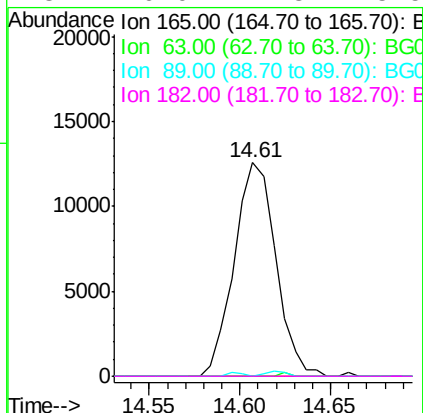
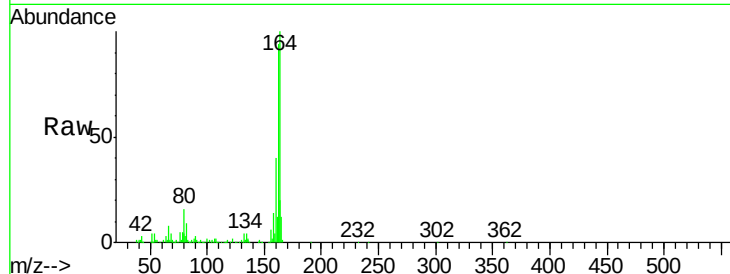




#57
 2,4-Dinitrotoluene
 Concen: 5.648 ng
 RT: 14.61 min Scan# 1961
 Delta R.T. -0.36 min
 Lab File: BG045407.D
 Acq: 15 May 2020 21:56

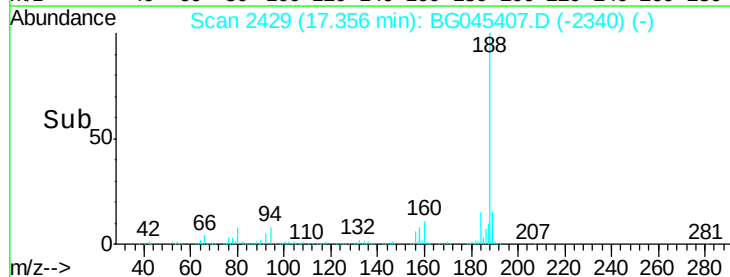
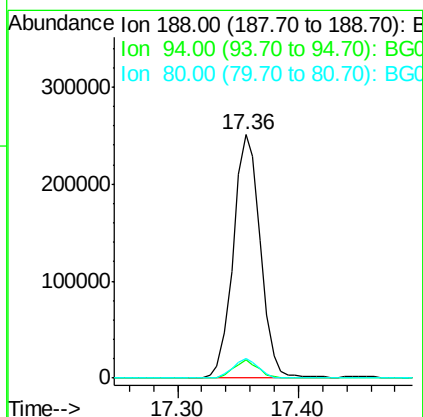
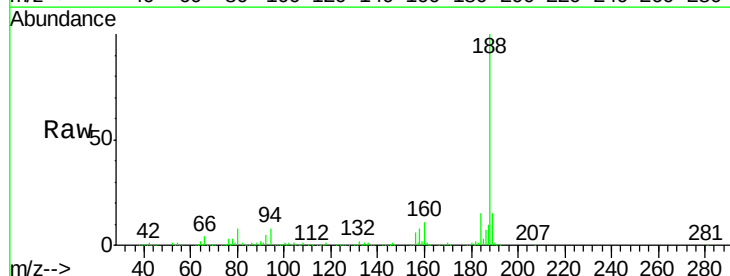
Instrument :
 BNA_G
 ClientSampleId :

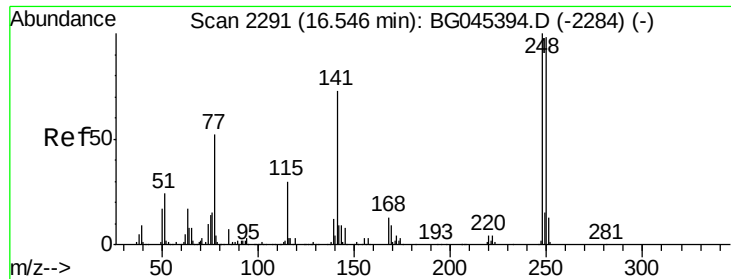
Tot Ion:165	Resp:	20073
Ion Ratio	Lower	Upper
165	100	
63	0.0	32.5 48.7#
89	0.0	61.8 92.6#
182	0.0	2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.36 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: BG045407.D
 Acq: 15 May 2020 21:56

Tgt Ion:188	Resp:	392395
Ion Ratio	Lower	Upper
188	100	
94	7.7	5.5 8.3
80	8.2	6.6 10.0

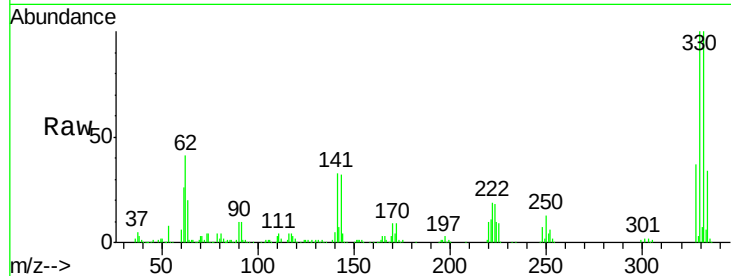




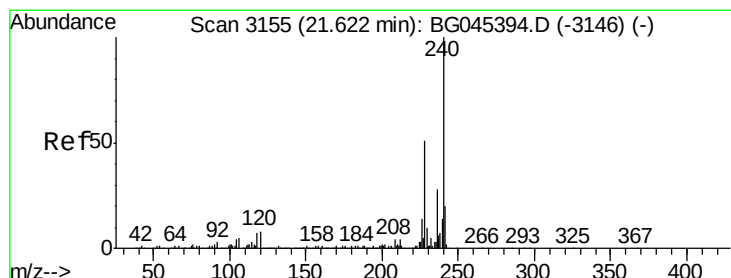
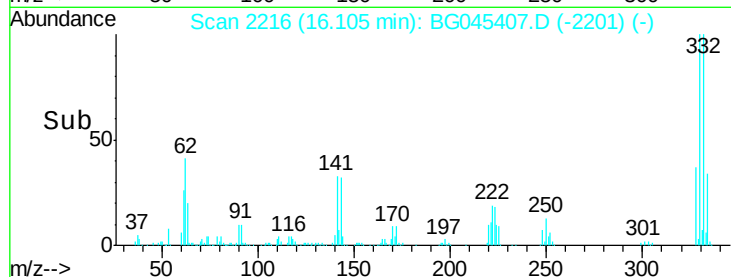
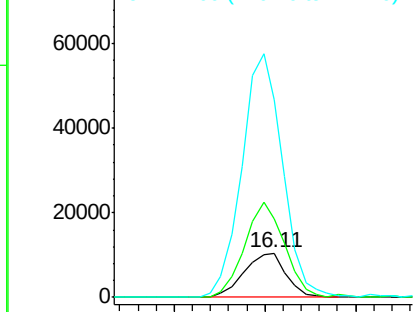
#67
 4-Bromophenyl-phenylether
 Concen: 3.959 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.44 min
 Lab File: BG045407.D
 Acq: 15 May 2020 21:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	178.6	78.6	117.8#
141	447.5	58.2	87.2#

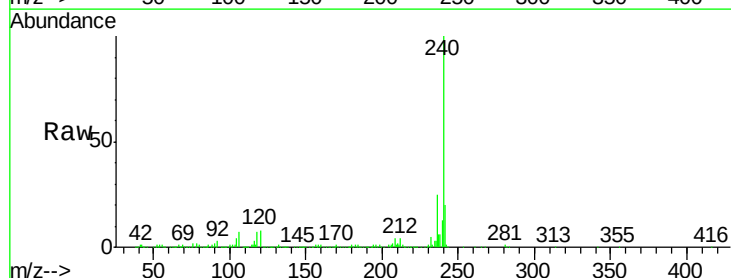


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

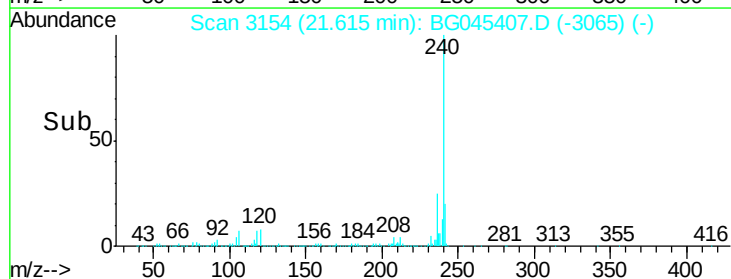
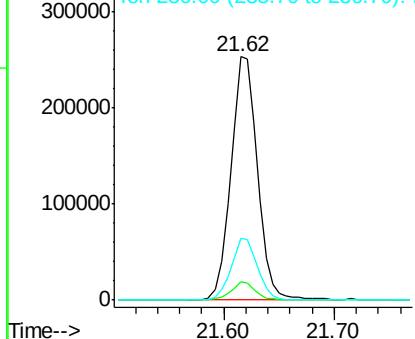


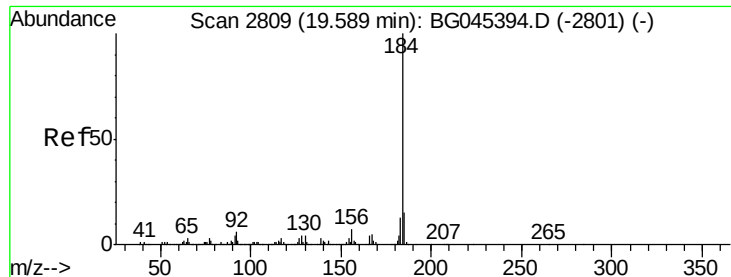
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.62 min Scan# 3154
 Delta R.T. -0.01 min
 Lab File: BG045407.D
 Acq: 15 May 2020 21:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.1	9.1
236	25.5	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: 2.473 ng

RT: 19.97 min Scan# 2874

Delta R.T. 0.38 min

Lab File: BG045407.D

Acq: 15 May 2020 21:56

Instrument :

BNA_G

ClientSampleId :

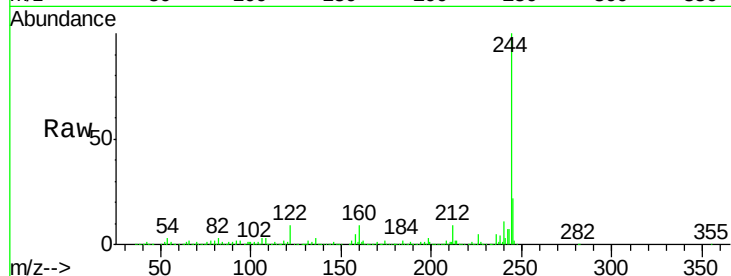
Tot Ion:184 Resp: 29679

Ion Ratio Lower Upper

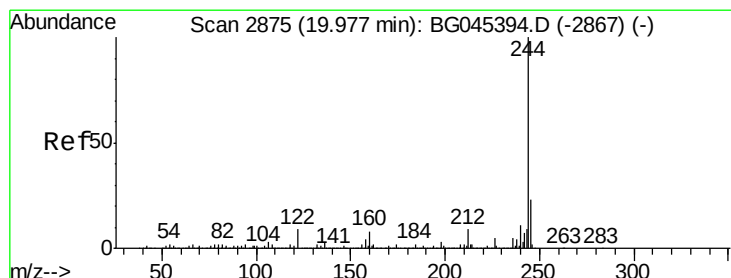
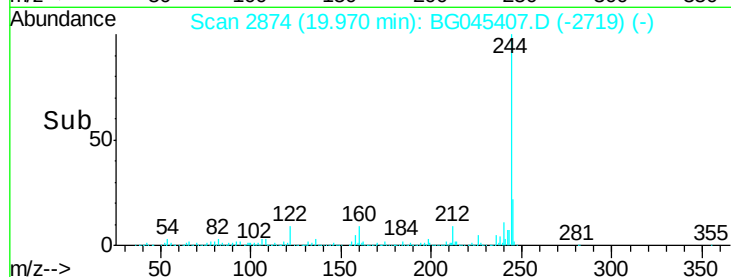
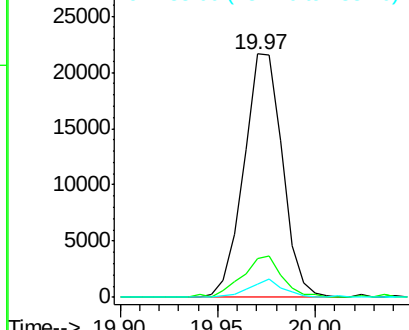
184 100

185 16.0 11.7 17.5

183 5.4 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: 84.475 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG045407.D

Acq: 15 May 2020 21:56

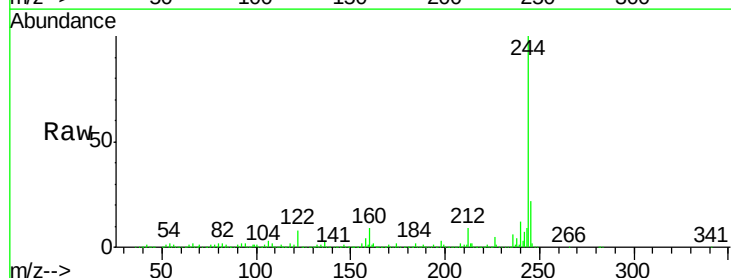
Tgt Ion:244 Resp: 1547433

Ion Ratio Lower Upper

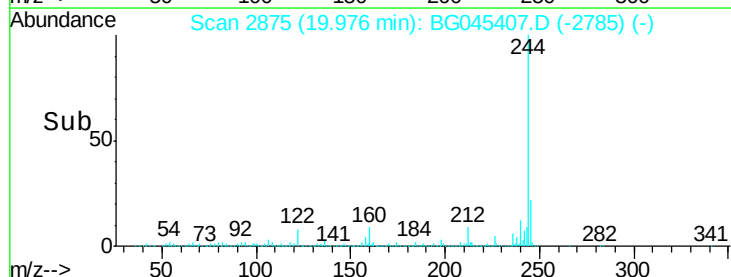
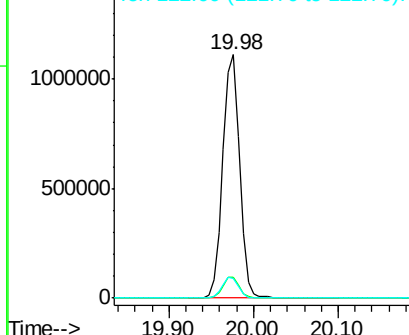
244 100

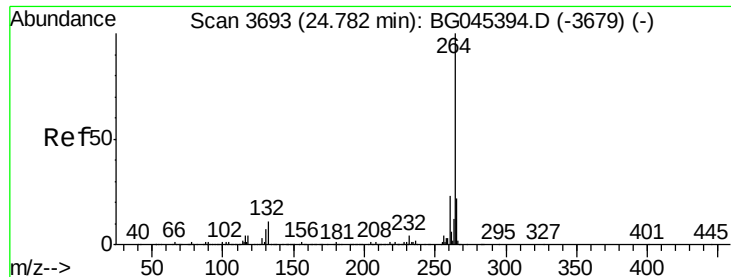
212 8.8 7.4 11.0

122 8.1 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

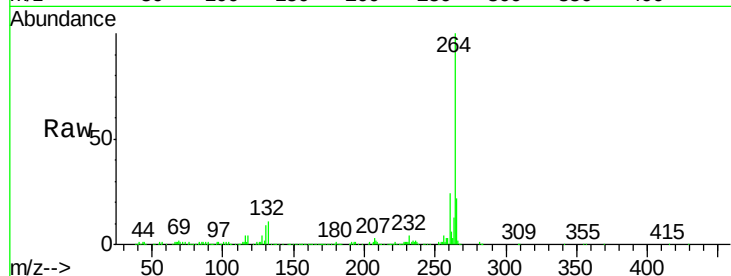




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.78 min Scan# 3692
 Delta R.T. -0.01 min
 Lab File: BG045407.D
 Acq: 15 May 2020 21:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	450798
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	22.0	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

