

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 :
 MW-1

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

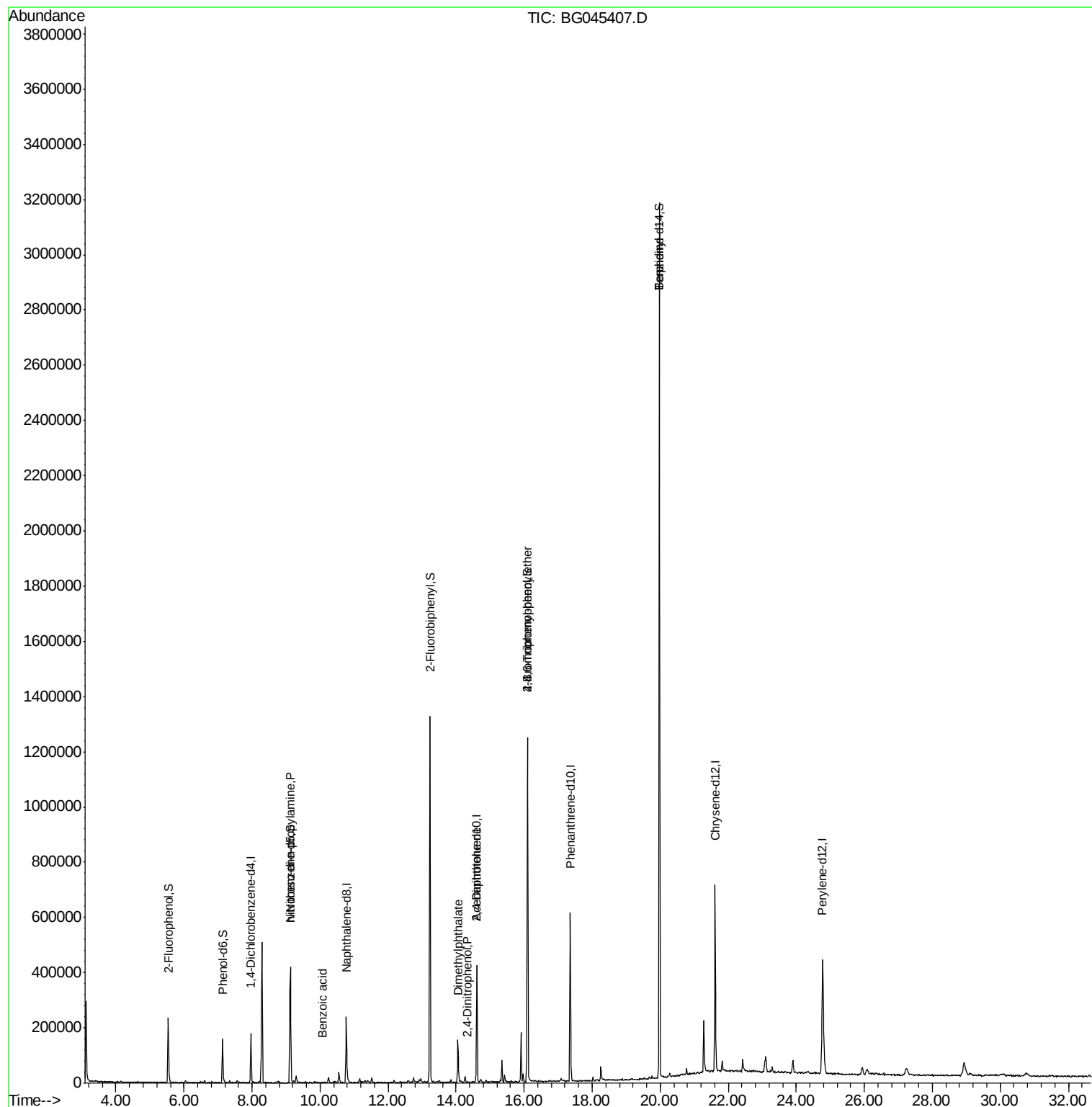
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	54749	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	219064	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	158528	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	392395	20.00	ng	0.00
76) Chrysene-d12	21.62	240	427236	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

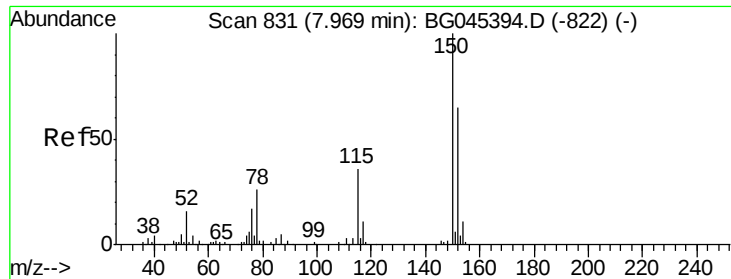
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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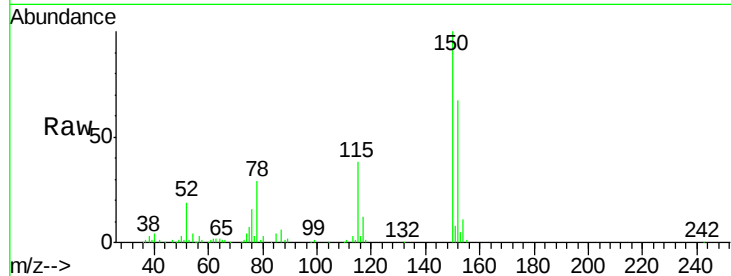


#1

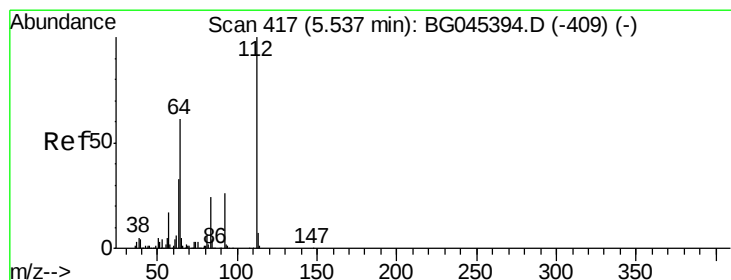
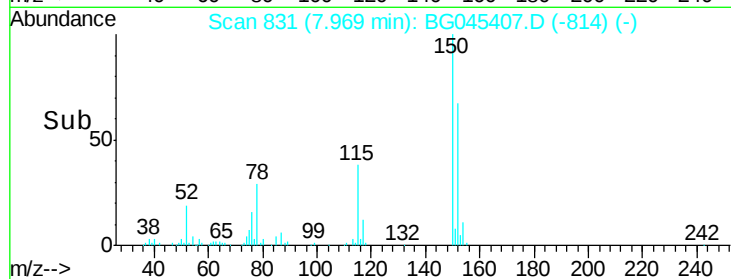
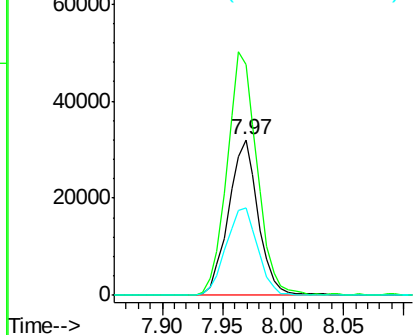
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG045407.D
Acq: 15 May 2020 21:56

Instrument :
BNA_G
ClientSampleId :
MW-1

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



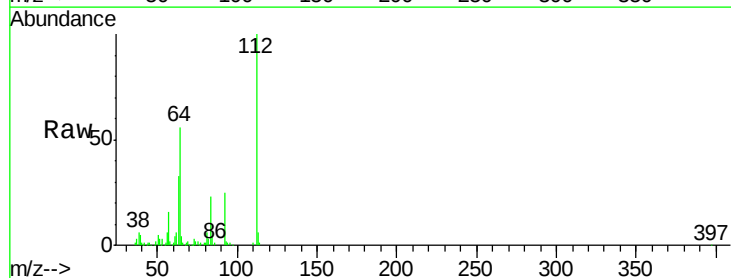
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



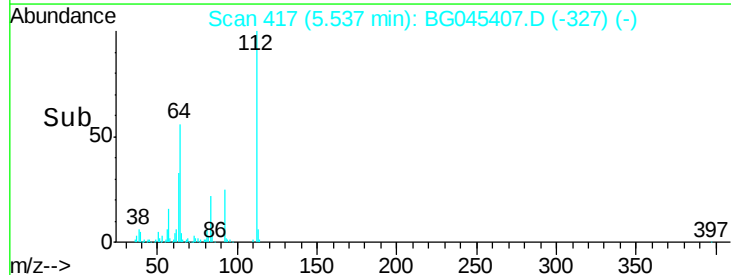
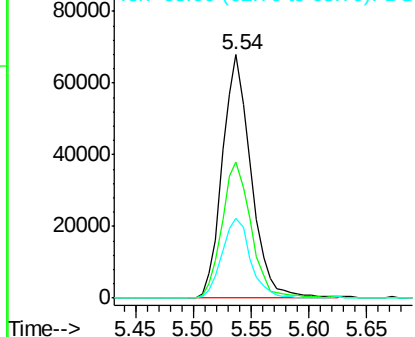
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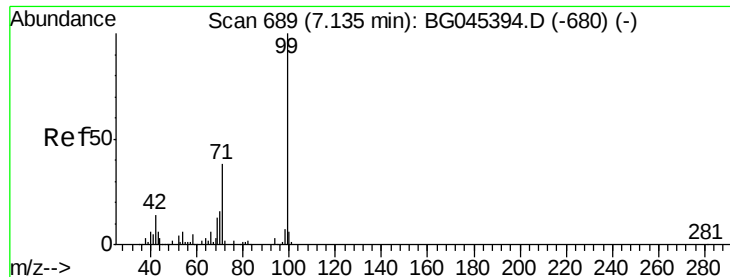
2-Fluorophenol
Concen: 41.824 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG045407.D
Acq: 15 May 2020 21:56

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 :

MW-1

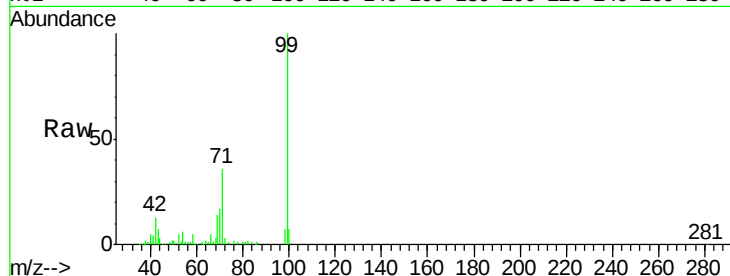
Tot Ion: 99 Resp: 105046

Ion Ratio Lower Upper

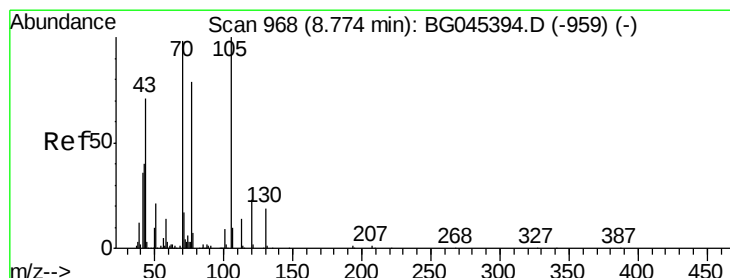
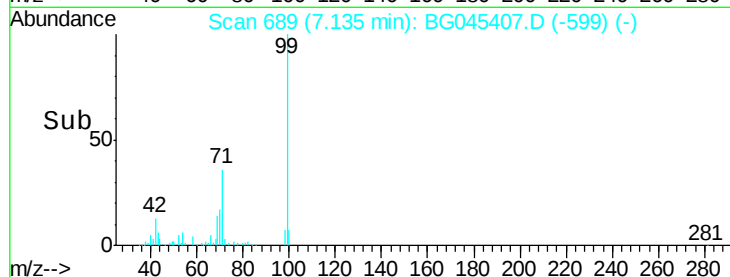
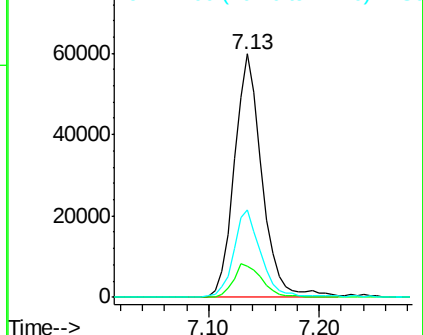
99 100

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

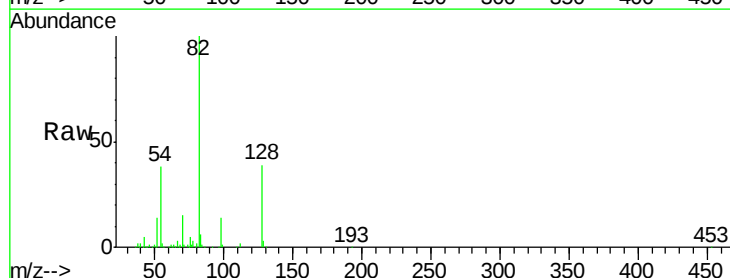
Ion Ratio Lower Upper

70 100

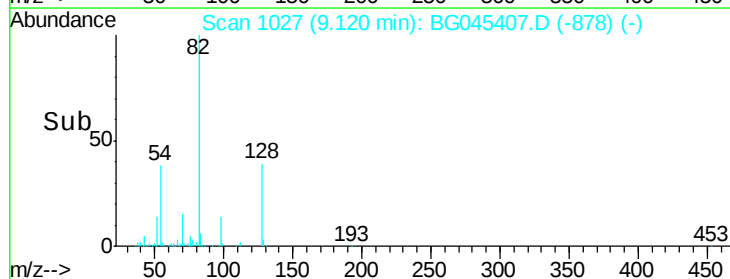
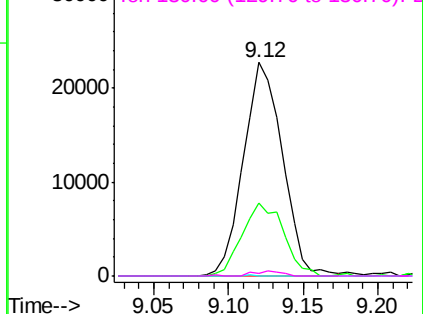
42 34.2 33.2 49.8

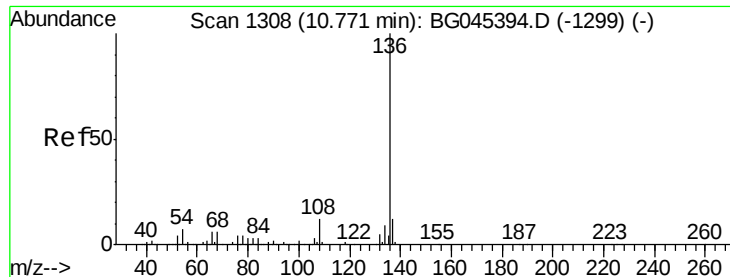
101 0.0 7.8 11.6#

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

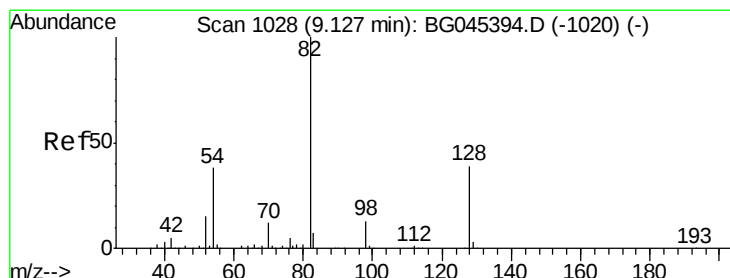
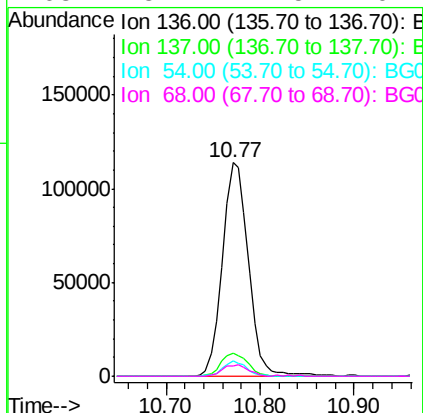
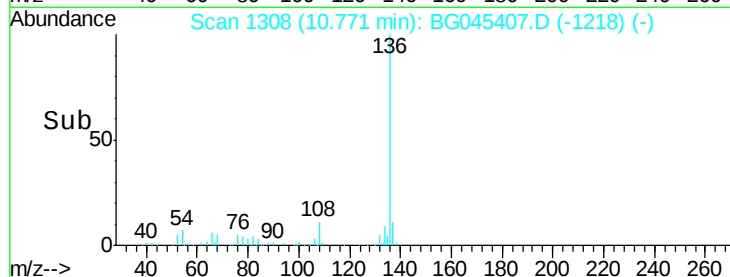
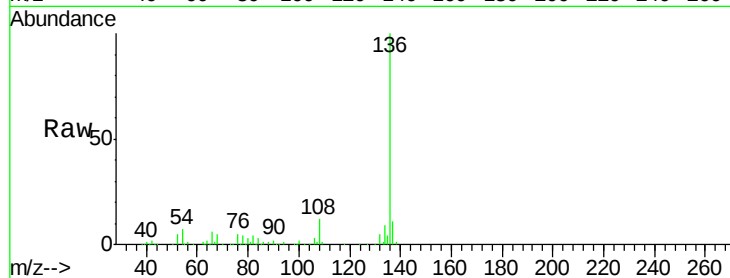




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1308
Delta R.T. -0.00 min
Lab File: BG045407.D
Acq: 15 May 2020 21:56

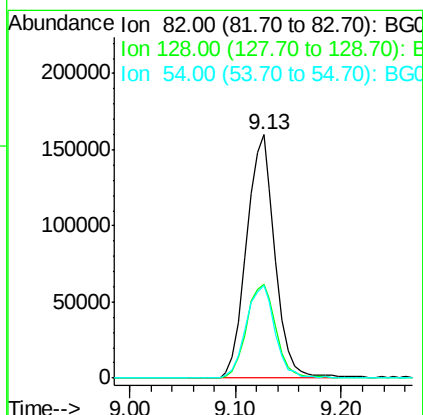
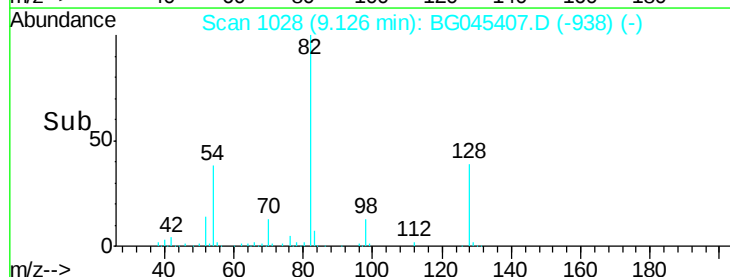
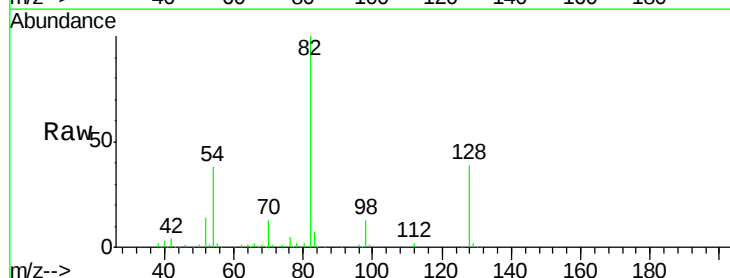
Instrument :
BNA_G
ClientSampleId :
MW-1

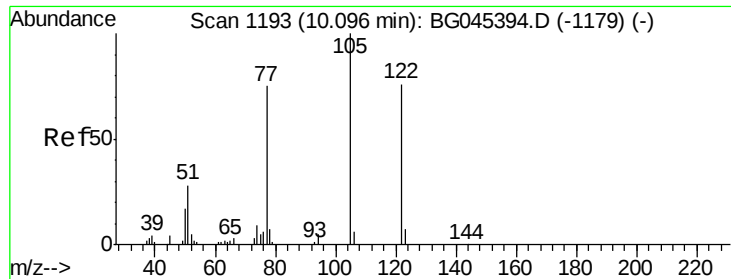
Tot Ion:136	Resp:	219064	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	9.4	14.2	
54 7.0	5.8	8.6	
68 5.1	4.5	6.7	



#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

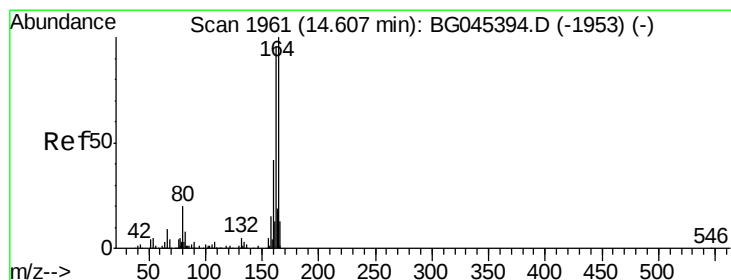
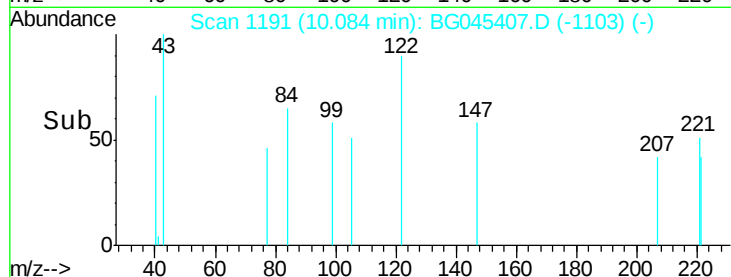
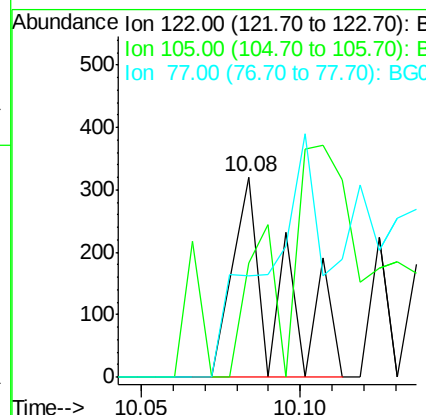
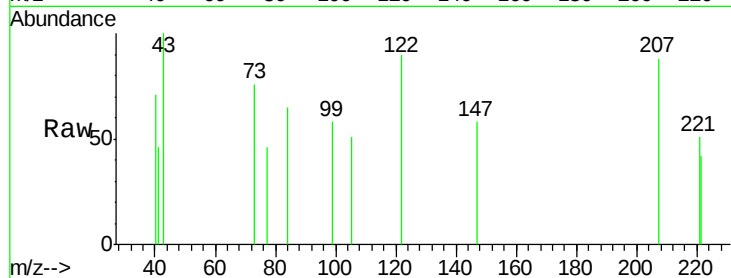




#32
Benzoic acid
Concen: 10.158 ng
RT: 10.08 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BG045407.D
Acq: 15 May 2020 21:56

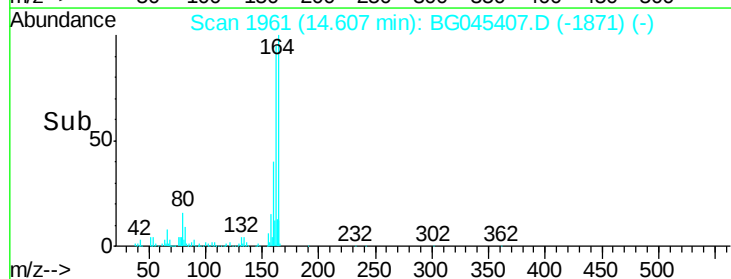
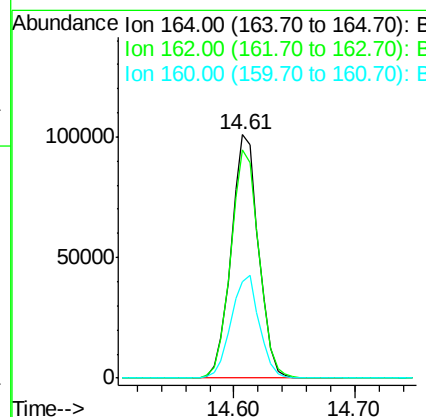
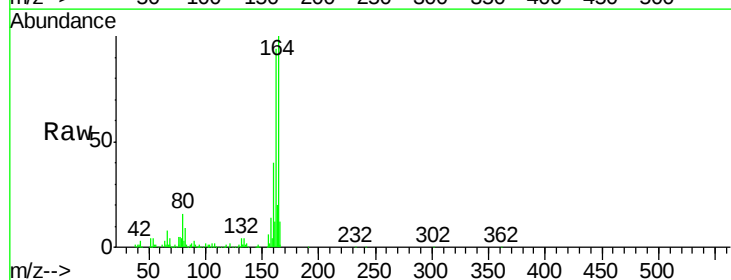
Instrument :
BNA_G
ClientSampleId :
MW-1

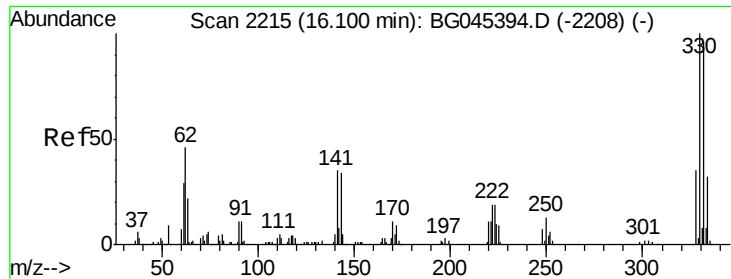
Tot Ion:122 Resp: 317
Ion Ratio Lower Upper
122 100
105 56.7 107.9 147.9#
77 50.8 78.9 118.9#



#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

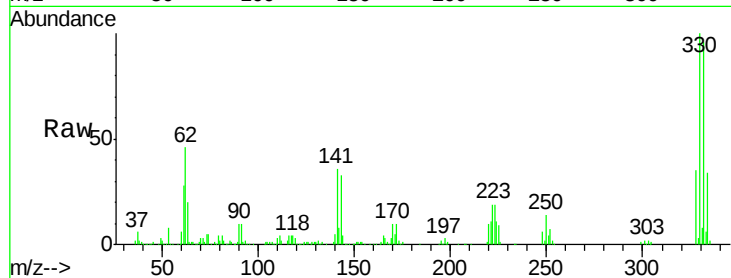




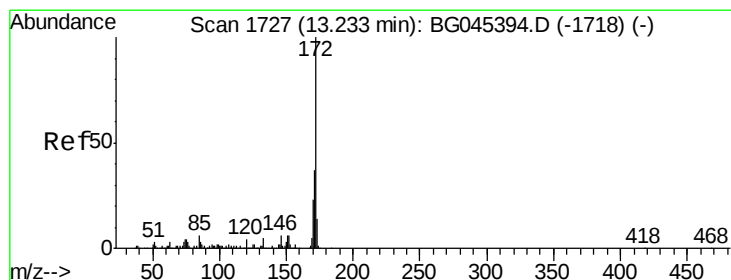
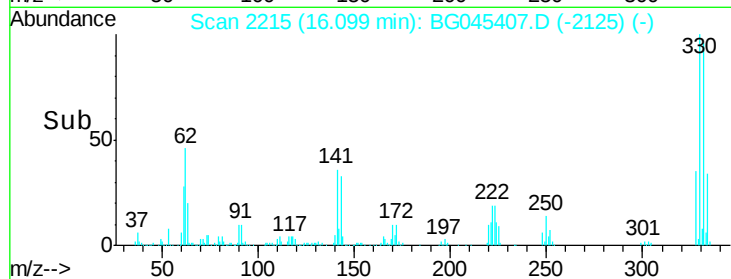
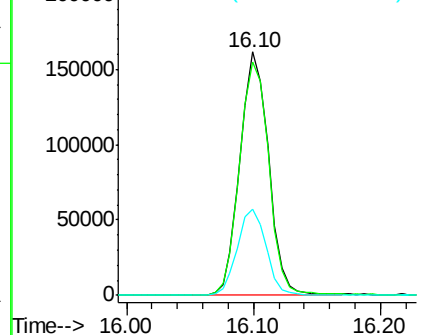
#42
 2,4,6-Tribromophenol
 Concen: 125.326 ng
 RT: 16.10 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: BG045407.D
 Acq: 15 May 2020 21:56

Instrument :
 BNA_G
 ClientSampled :
 MW-1

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

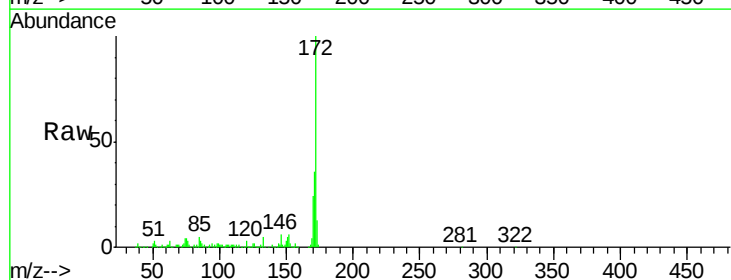


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

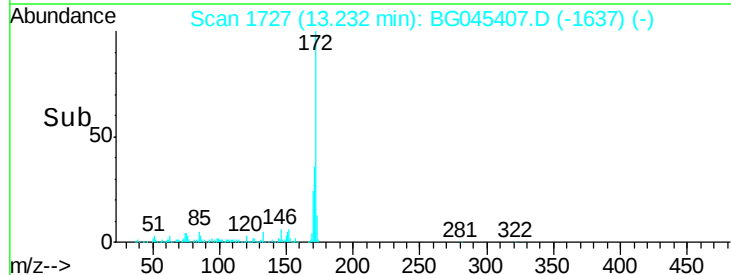
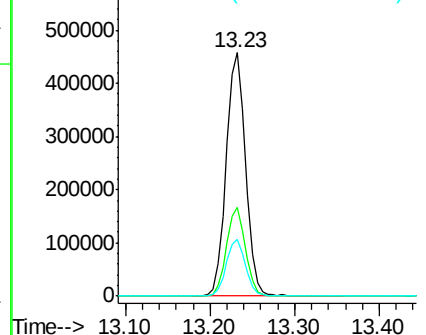


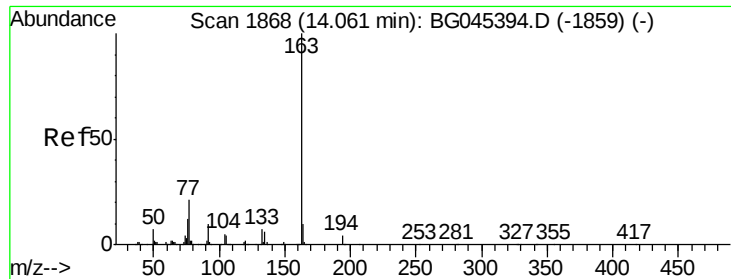
#45
 2-Fluorobiphenyl
 Concen: 77.691 ng
 RT: 13.23 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BG045407.D
 Acq: 15 May 2020 21:56

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

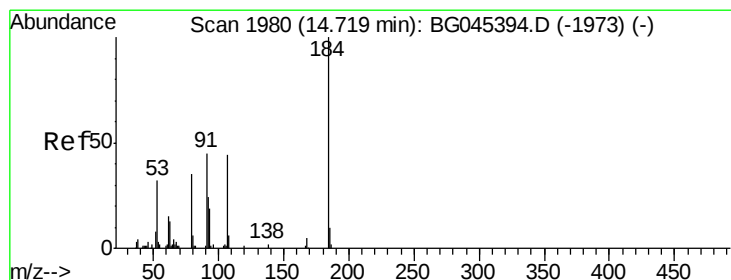
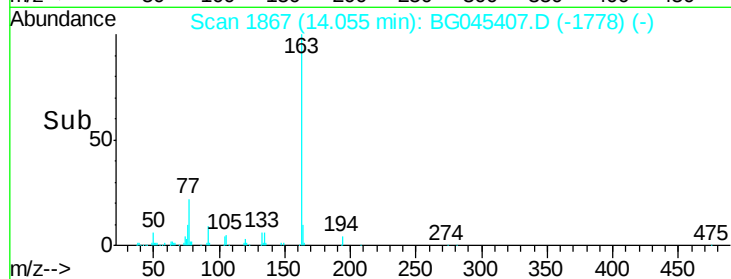
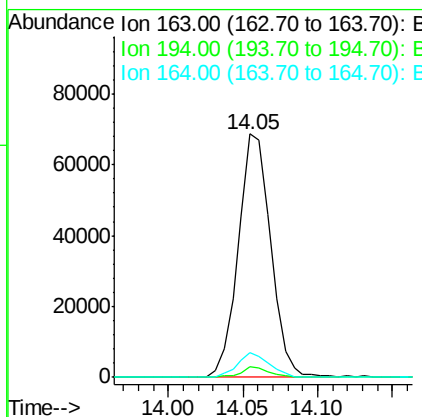
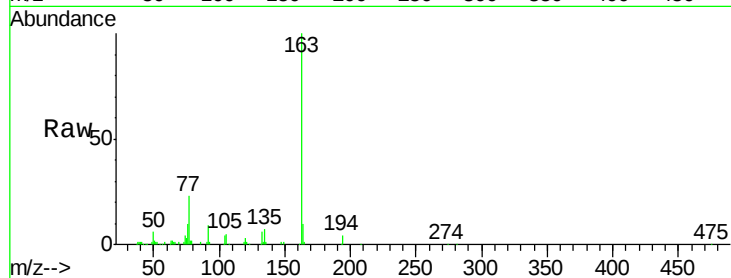




#50
Dimethylphthalate
Concen: 9.551 ng
RT: 14.05 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BG045407.D
Acq: 15 May 2020 21:56

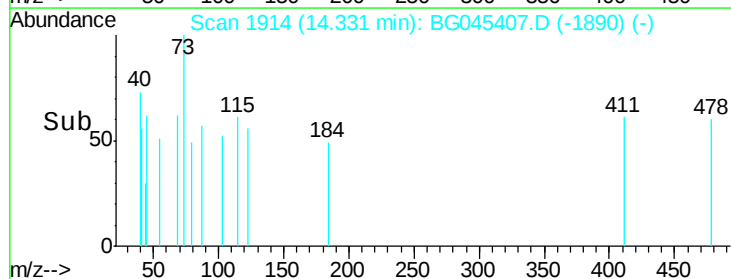
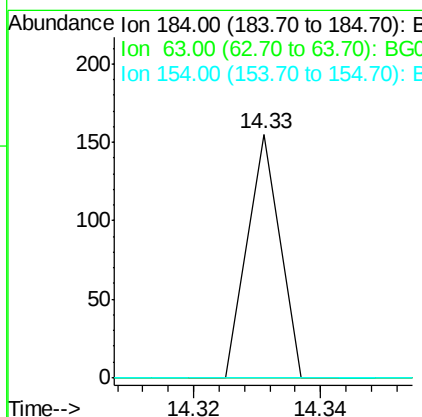
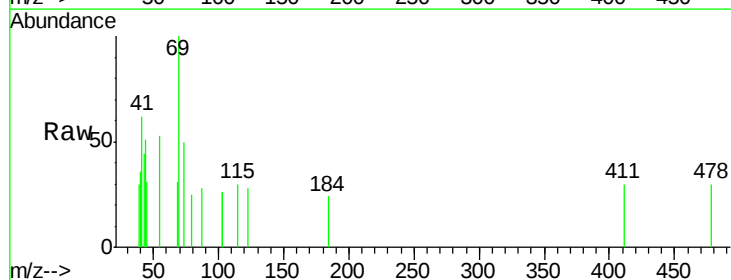
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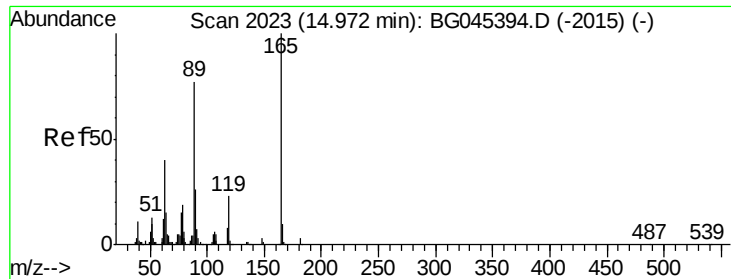
Tot Ion	163	Resp	103863
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.2	4.8
164	9.9	8.3	12.5



#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#

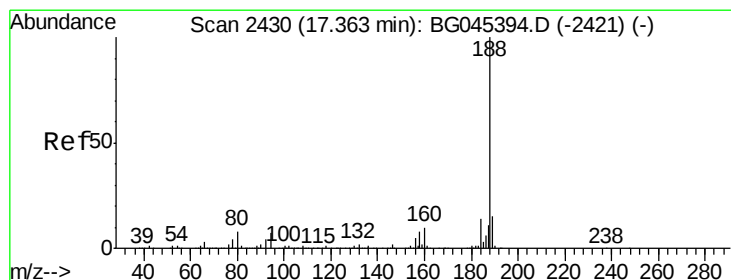
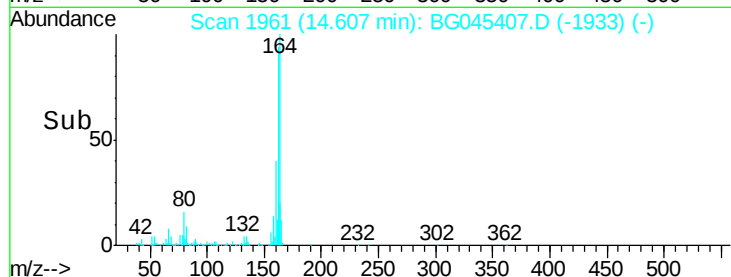
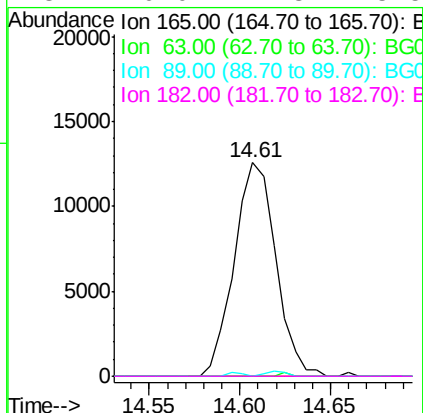
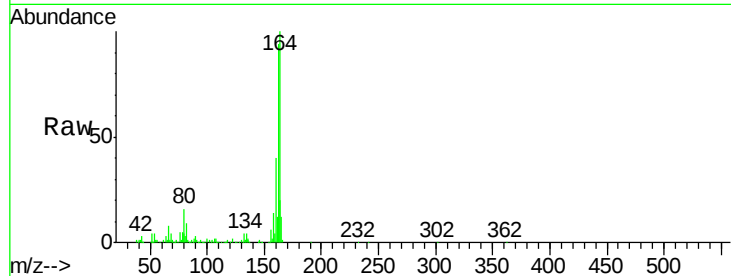




#57
2,4-Dinitrotoluene
Concen: 5.648 ng
RT: 14.61 min Scan# 1961
Delta R.T. -0.36 min
Lab File: BG045407.D
Acq: 15 May 2020 21:56

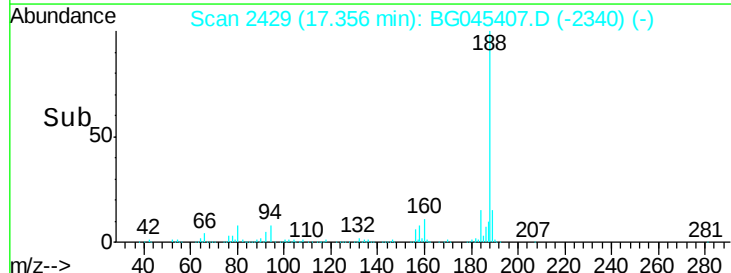
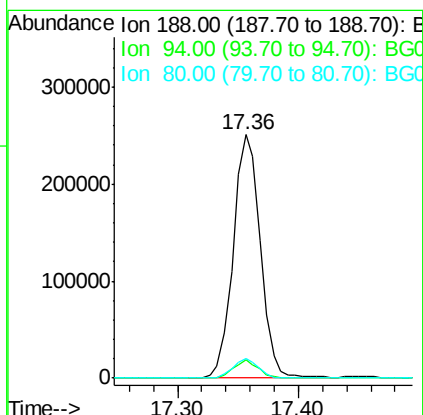
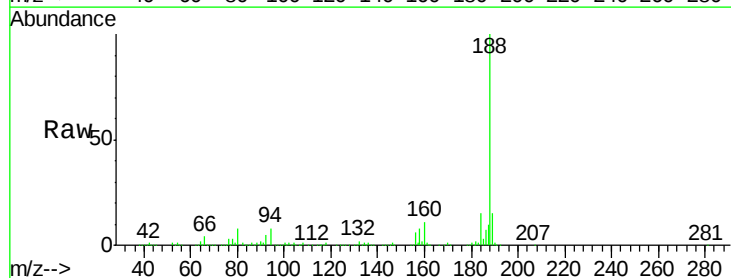
Instrument :
BNA_G
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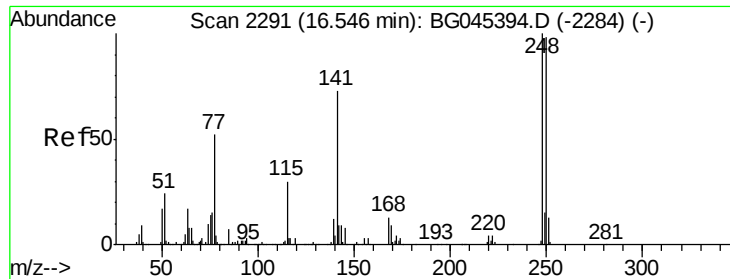
Tot Ion:165 Resp: 20073
Ion Ratio Lower Upper
165 100
63 0.0 32.5 48.7#
89 0.0 61.8 92.6#
182 0.0 2.3 3.5#



#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

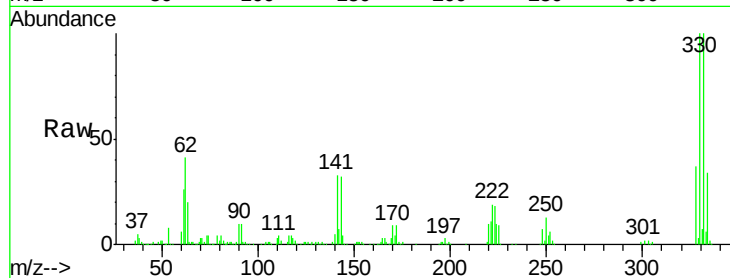




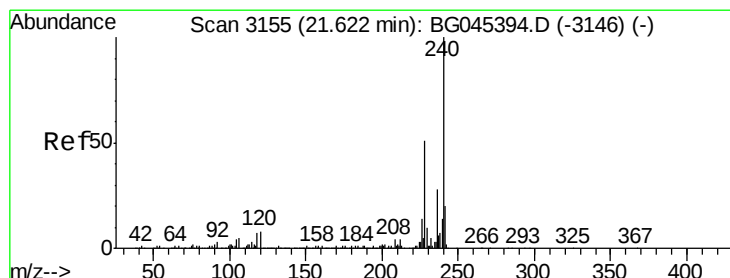
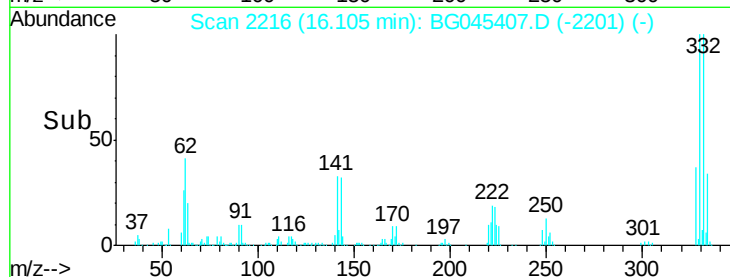
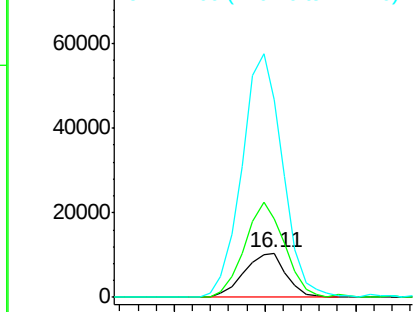
#67
 4-Bromophenyl-phenylether
 Concen: 3.959 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.44 min
 Lab File: BG045407.D
 Acq: 15 May 2020 21:56

Instrument :
 BNA_G
 ClientSampled :
 MW-1

Tot Ion:248 Resp: 16820
 Ion Ratio Lower Upper
 248 100
 250 178.6 78.6 117.8#
 141 447.5 58.2 87.2#

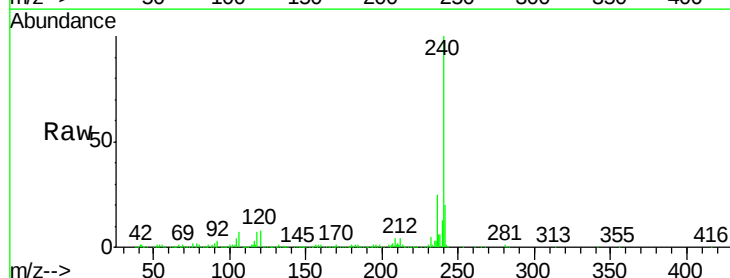


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

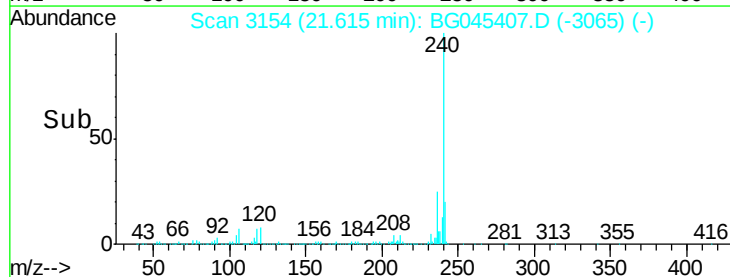
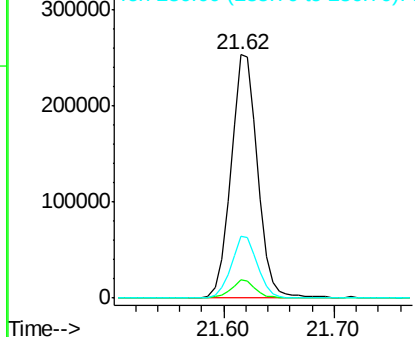


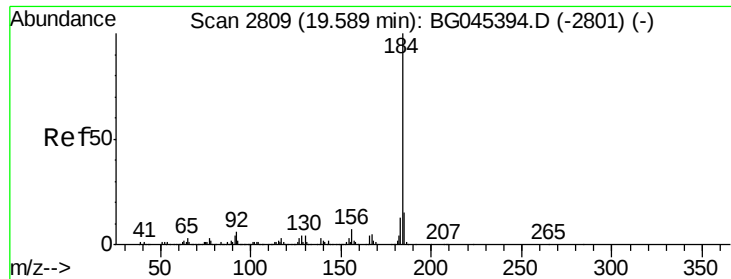
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.62 min Scan# 3154
 Delta R.T. -0.01 min
 Lab File: BG045407.D
 Acq: 15 May 2020 21:56

Tgt Ion:240 Resp: 427236
 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 :

MW-1

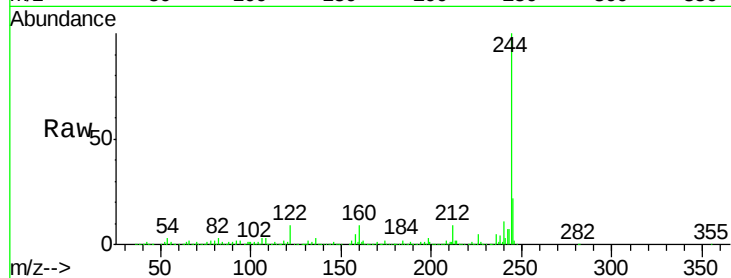
Tot Ion:184 Resp: 29679

Ion Ratio Lower Upper

184 100

185 16.0 11.7 17.5

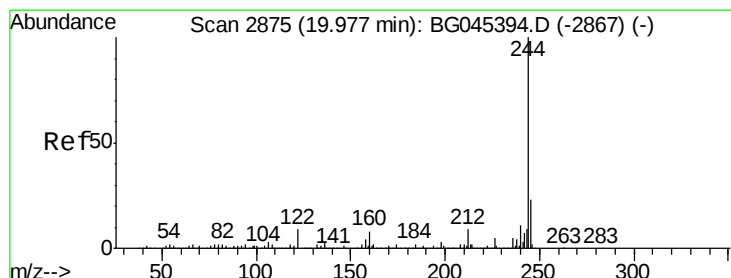
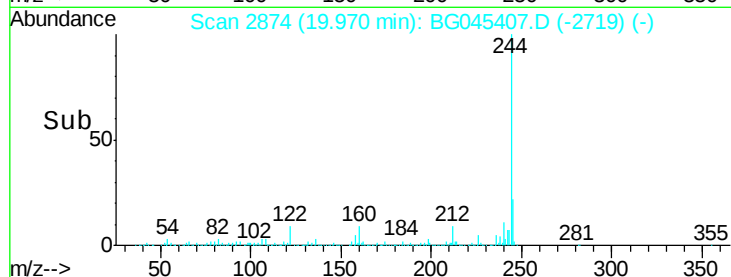
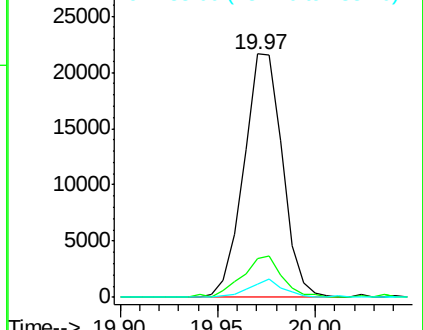
183 5.4 10.2 15.4#



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

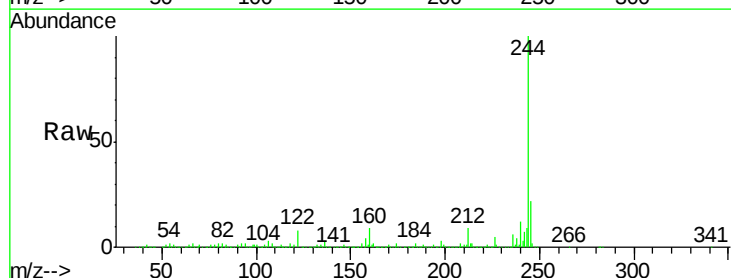
Tgt Ion:244 Resp: 1547433

Ion Ratio Lower Upper

244 100

212 8.8 7.4 11.0

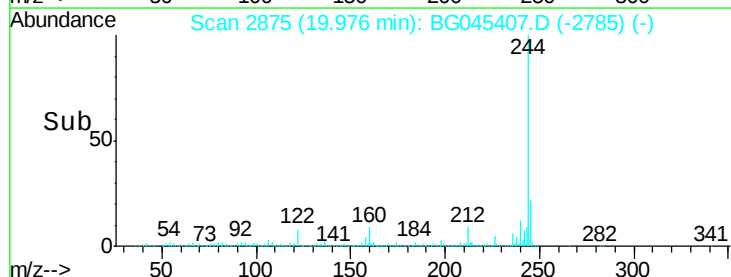
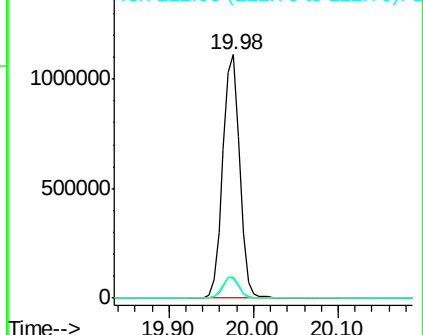
122 8.1 6.8 10.2

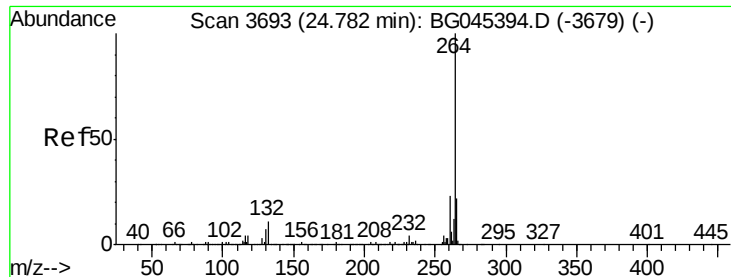


Abundance Ion 244.00 (243.70 to 244.70): E

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 :
 MW-1

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

