

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052920\
 Data File : BG045538.D
 Acq On : 30 May 2020 3:22
 Operator : CG/JU
 Sample : PB129185TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129185TB

Quant Time: May 30 06:32:03 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 29 11:17:45 2020
 Response via : Initial Calibration

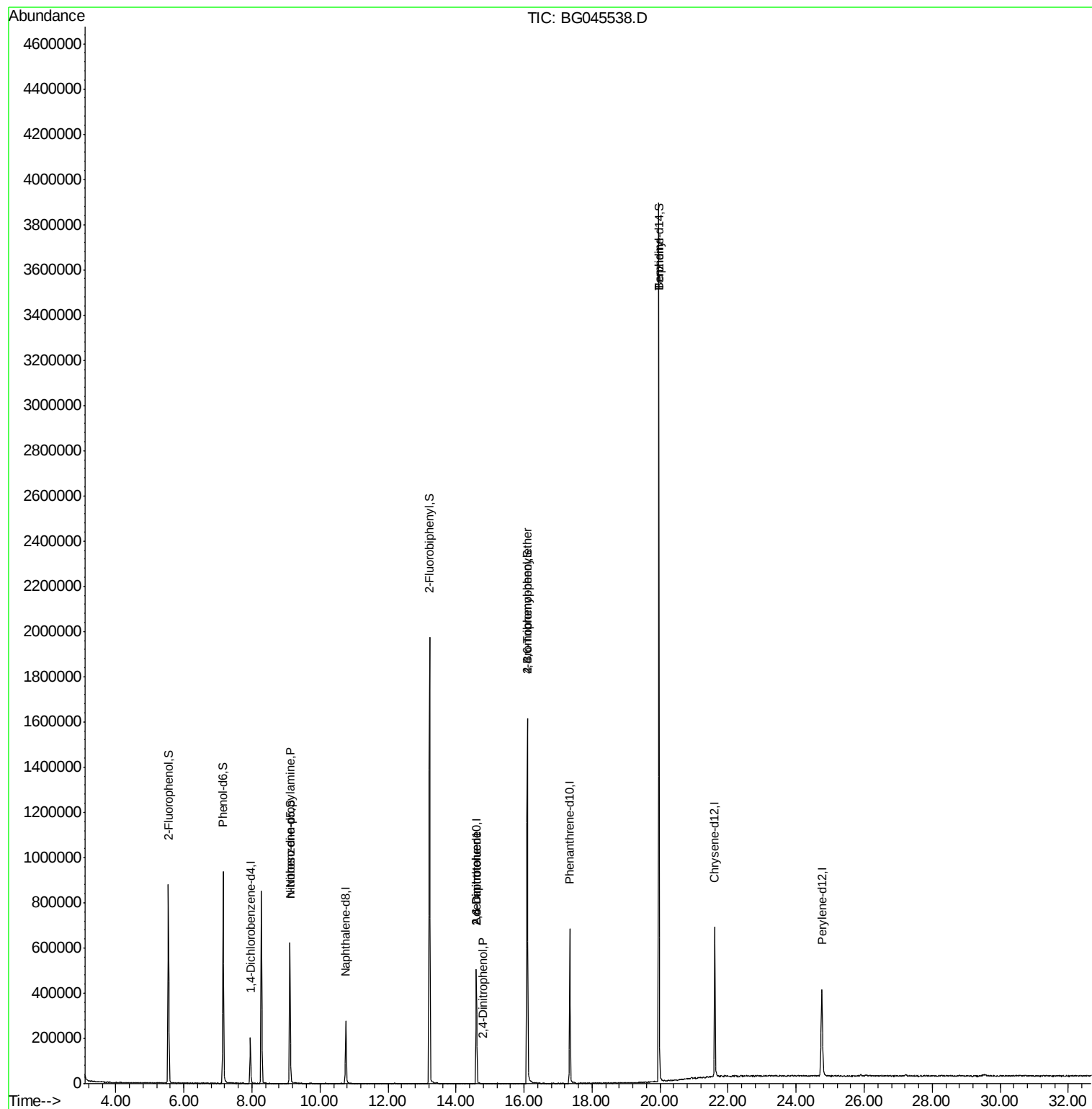
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	61830	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	254522	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	195440	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	462872	20.00	ng	0.00
76) Chrysene-d12	21.60	240	448705	20.00	ng	0.00
87) Perylene-d12	24.75	264	464049	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	427253	135.04	ng	0.00
7) Phenol-d6	7.15	99	625414	138.89	ng	-0.01
23) Nitrobenzene-d5	9.12	82	452256	96.90	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	352379	140.98	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1101654	95.61	ng	0.00
79) Terphenyl-d14	19.96	244	1908275	99.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	62294	20.005	ng	# 77
51) 2,6-Dinitrotoluene	14.60	165	24986	8.259	ng	# 23
54) 2,4-Dinitrophenol	14.79	184	64	5.489	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	24986	5.703	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	23273	4.643	ng	# 1
77) Benzidine	19.96	184	35882	2.847	ng	# 94

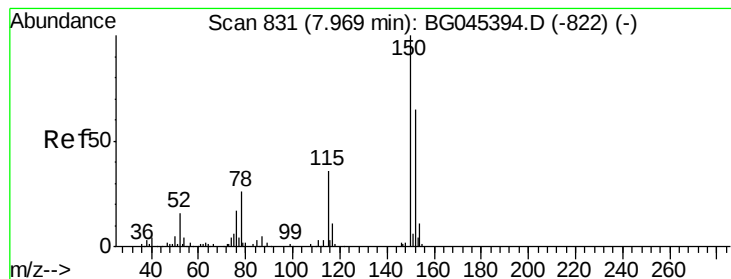
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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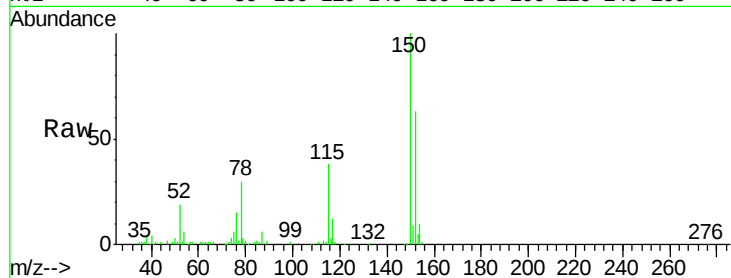


#1

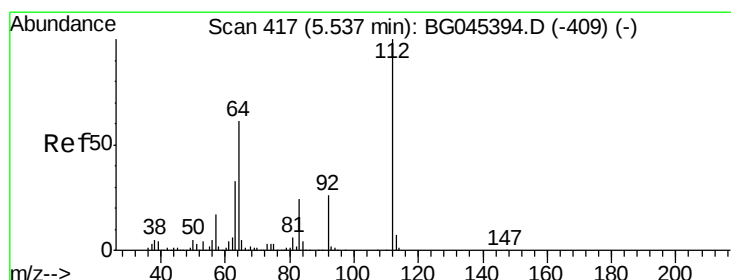
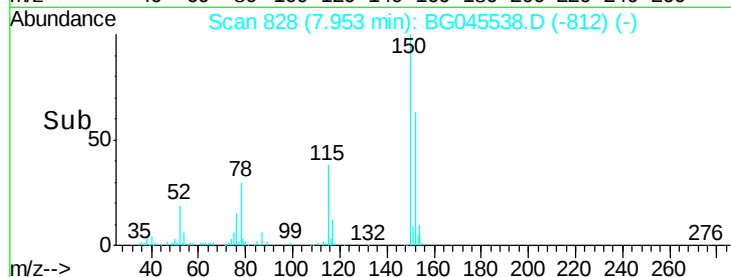
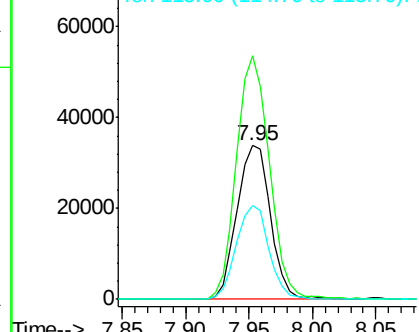
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG045538.D
Acq: 30 May 2020 3:22

Instrument :
BNA_G
ClientSampleId :
PB129185TB

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	122.4	183.6
115	60.7	44.2	66.4



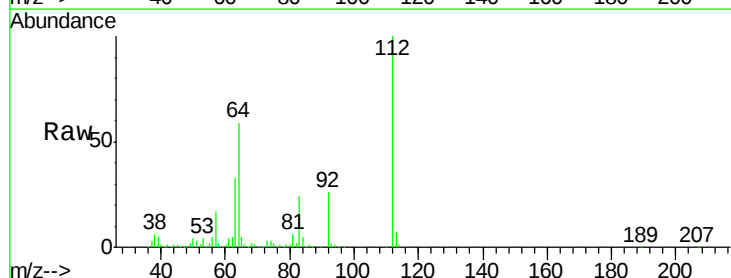
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



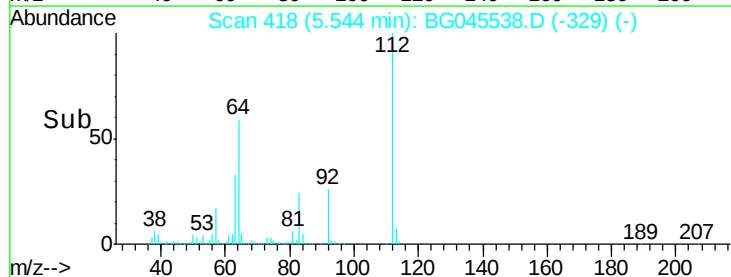
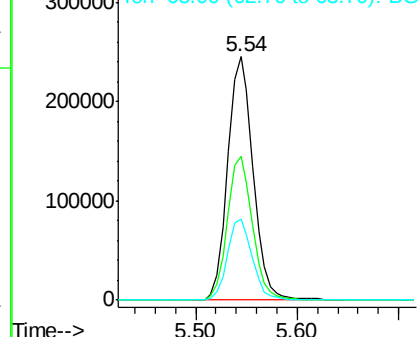
#5

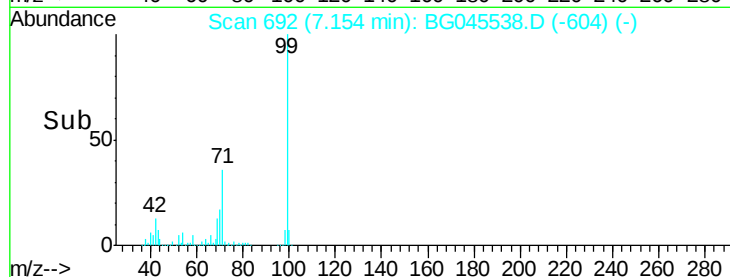
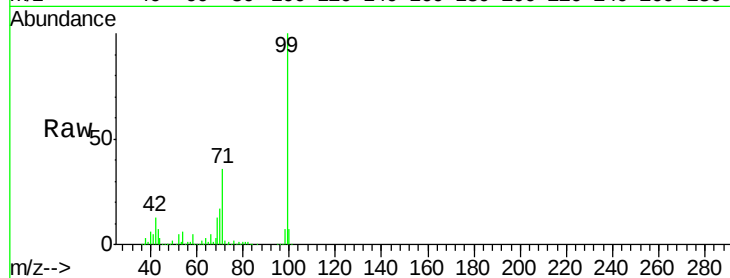
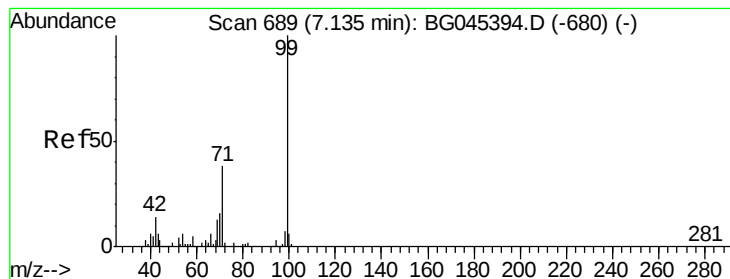
2-Fluorophenol
Concen: 135.044 ng
RT: 5.54 min Scan# 418
Delta R.T. -0.01 min
Lab File: BG045538.D
Acq: 30 May 2020 3:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	48.6	72.8
63	33.3	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: 138.887 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045538.D

Acq: 30 May 2020 3:22

Instrument :

BNA_G

ClientSampleId :

PB129185TB

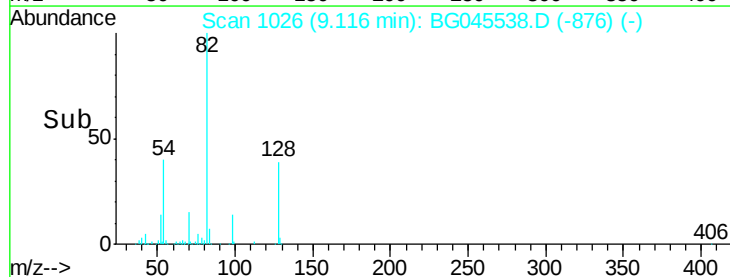
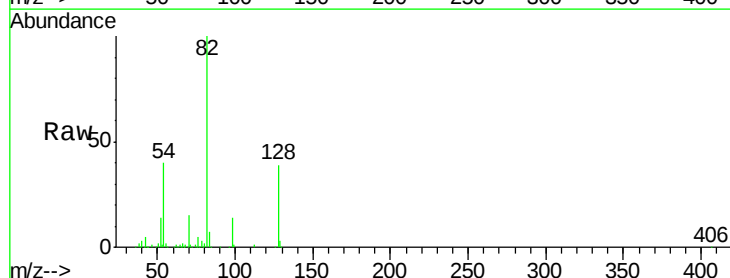
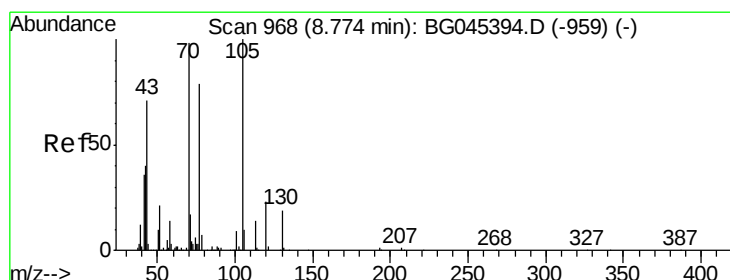
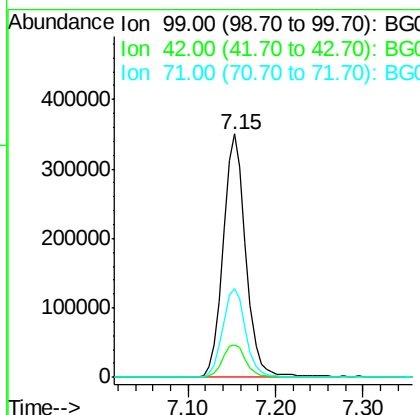
Tot Ion: 99 Resp: 625414

Ion Ratio Lower Upper

99 100

42 13.3 11.3 16.9

71 36.5 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 20.005 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG045538.D

Acq: 30 May 2020 3:22

Tgt Ion: 70 Resp: 62294

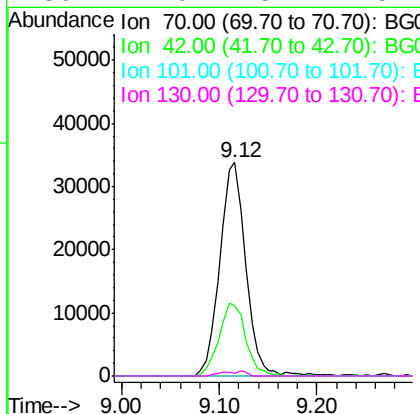
Ion Ratio Lower Upper

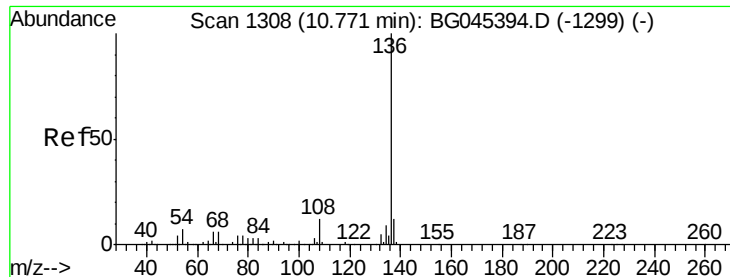
70 100

42 32.7 33.2 49.8#

101 0.0 7.8 11.6#

130 1.0 15.4 23.2#

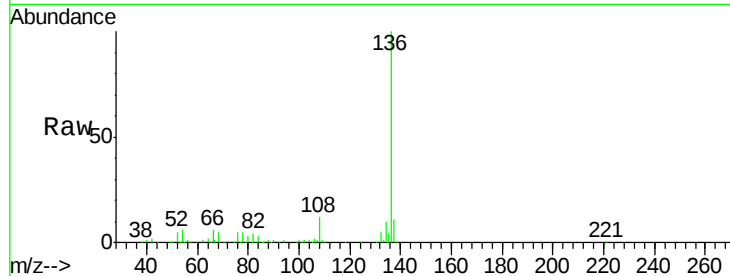




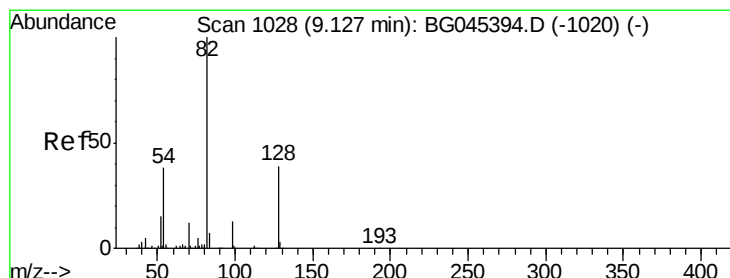
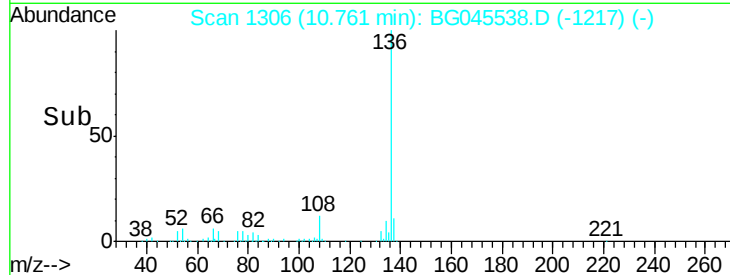
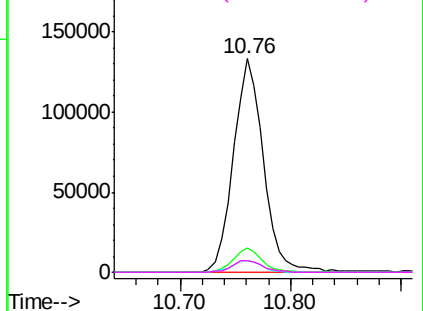
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG045538.D
Acq: 30 May 2020 3:22

Instrument :
BNA_G
ClientSampleId :
PB129185TB

Tot Ion:136	Resp:	254522
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.4 14.2
54	5.7	5.8 8.6#
68	5.5	4.5 6.7

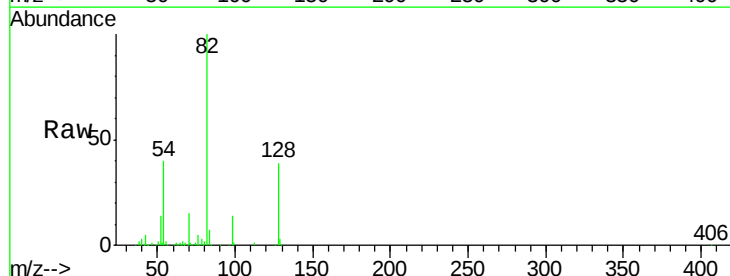


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

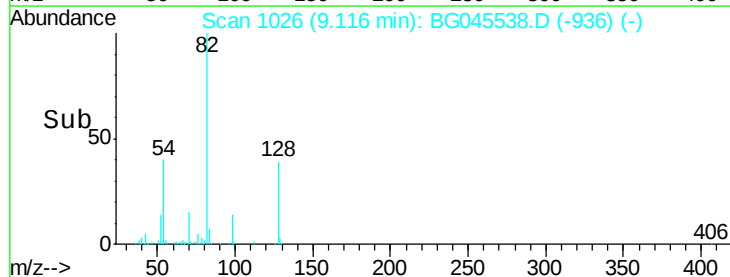
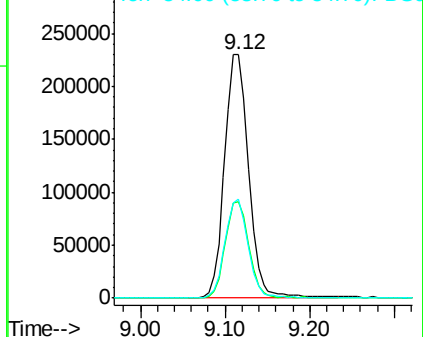


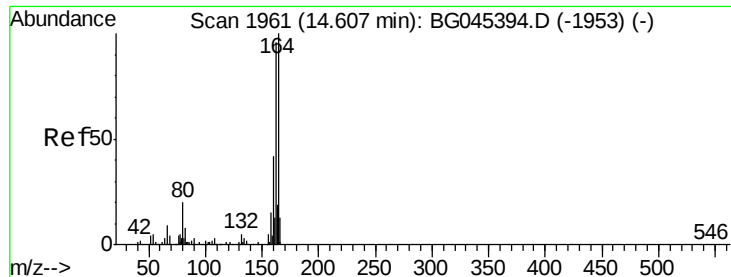
#23
Nitrobenzene-d5
Concen: 96.896 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BG045538.D
Acq: 30 May 2020 3:22

Tgt Ion: 82	Resp:	452256
Ion Ratio	Lower	Upper
82	100	
128	39.3	30.9 46.3
54	40.5	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG045538.D

Acq: 30 May 2020 3:22

Instrument :

BNA_G

ClientSampleId :

PB129185TB

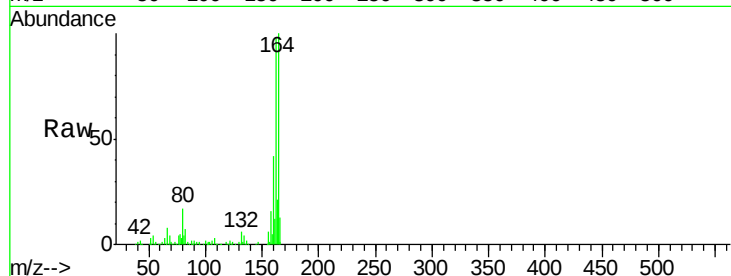
Tot Ion:164 Resp: 195440

Ion Ratio Lower Upper

164 100

162 98.2 76.9 115.3

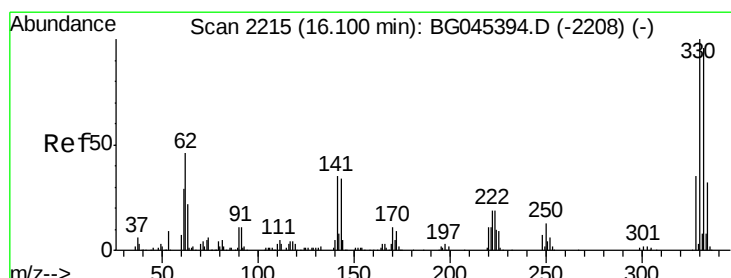
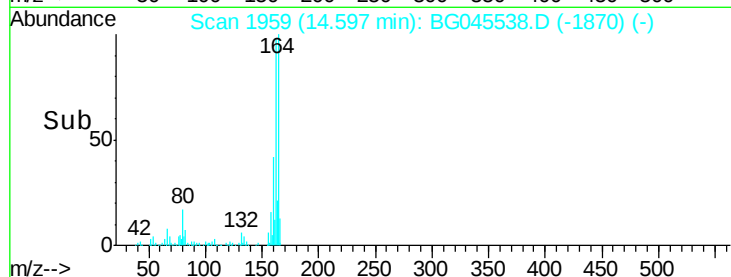
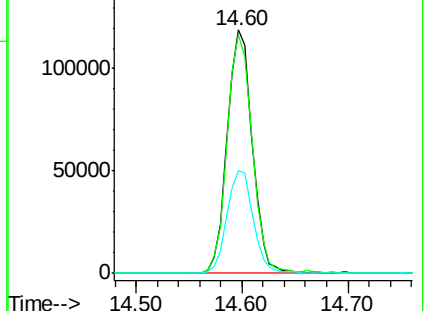
160 42.2 33.8 50.8



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: 140.982 ng

RT: 16.09 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BG045538.D

Acq: 30 May 2020 3:22

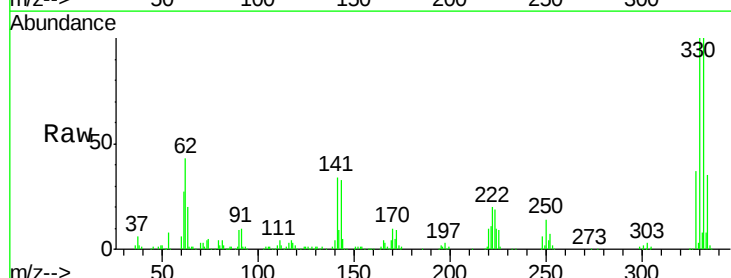
Tgt Ion:330 Resp: 352379

Ion Ratio Lower Upper

330 100

332 98.4 78.2 117.4

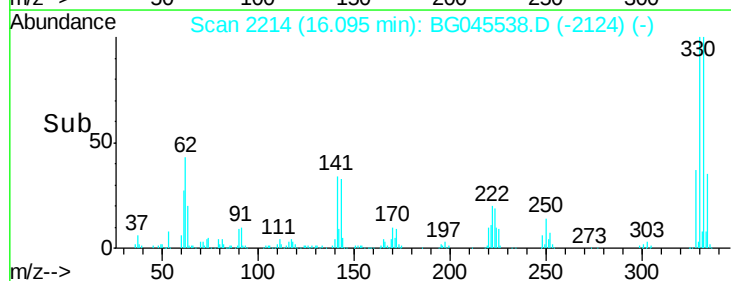
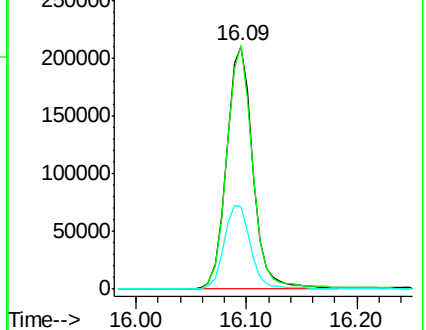
141 35.1 28.2 42.4

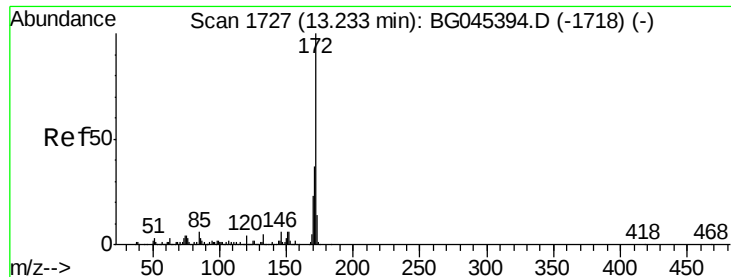


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

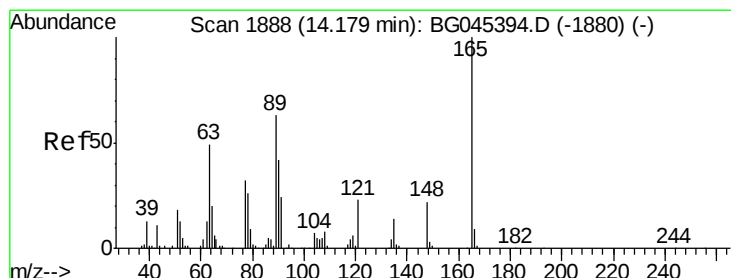
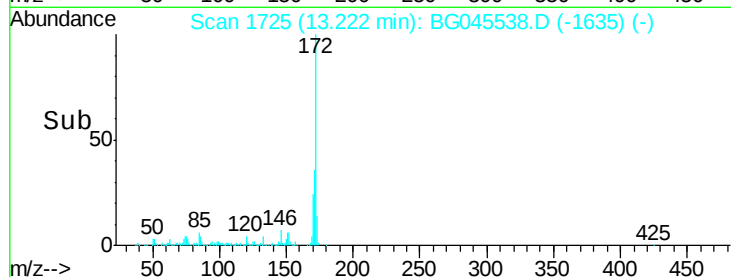
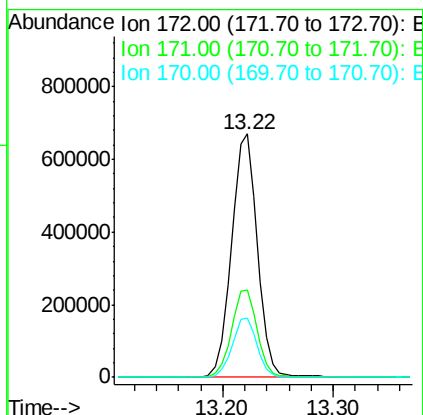
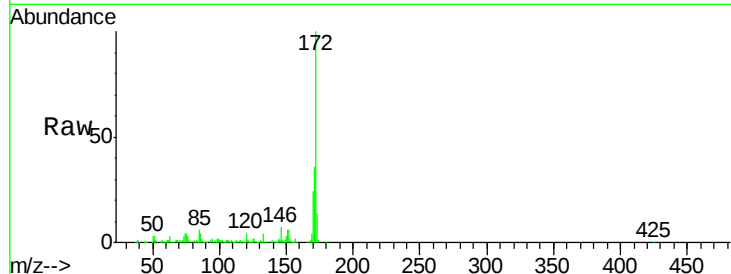




#45
2-Fluorobiphenyl
Concen: 95.612 ng
RT: 13.22 min Scan# 1725
Delta R.T. -0.00 min
Lab File: BG045538.D
Acq: 30 May 2020 3:22

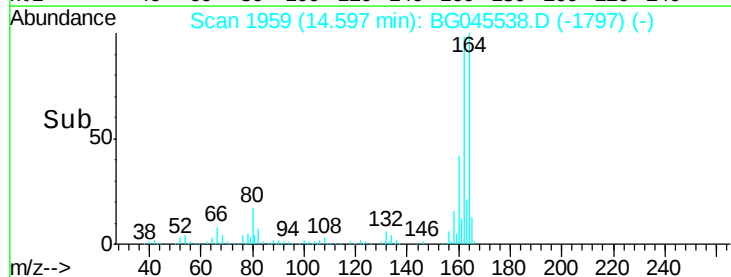
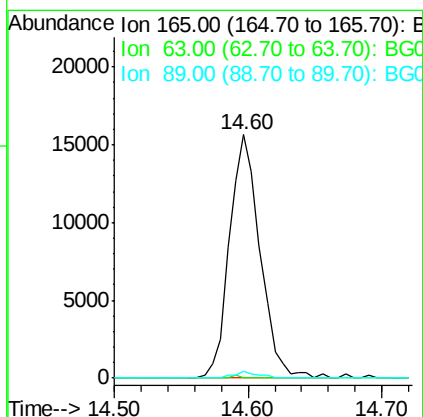
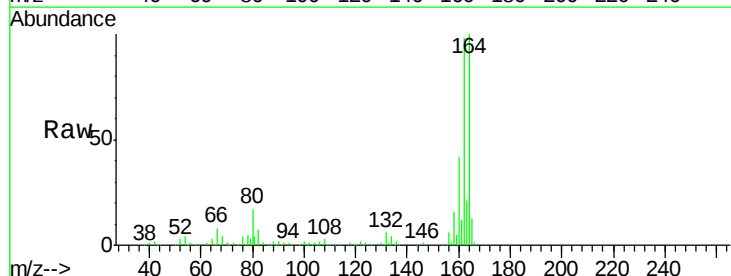
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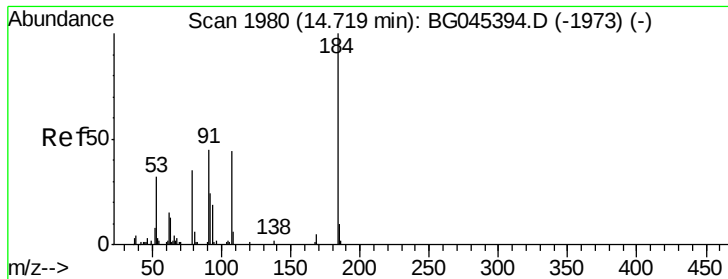
Tot Ion:172 Resp: 1101654
Ion Ratio Lower Upper
172 100
171 36.1 29.5 44.3
170 24.2 18.5 27.7



#51
2,6-Dinitrotoluene
Concen: 8.259 ng
RT: 14.60 min Scan# 1959
Delta R.T. 0.42 min
Lab File: BG045538.D
Acq: 30 May 2020 3:22

Tgt Ion:165 Resp: 24986
Ion Ratio Lower Upper
165 100
63 0.0 45.0 67.4#
89 2.8 50.2 75.4#

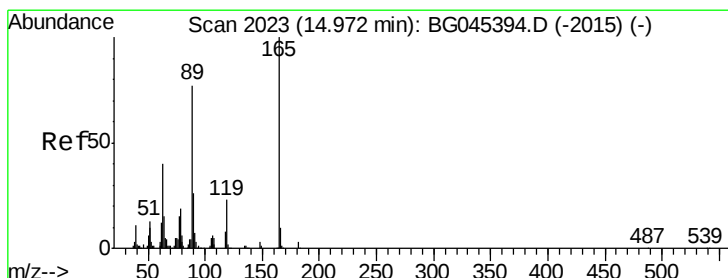
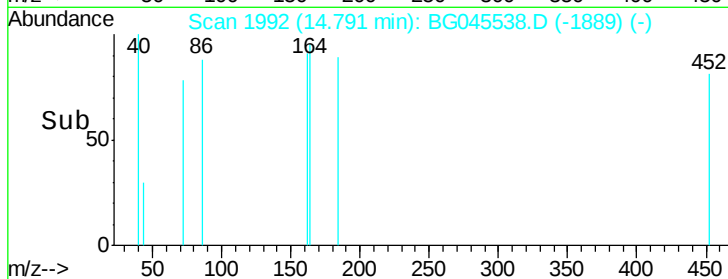
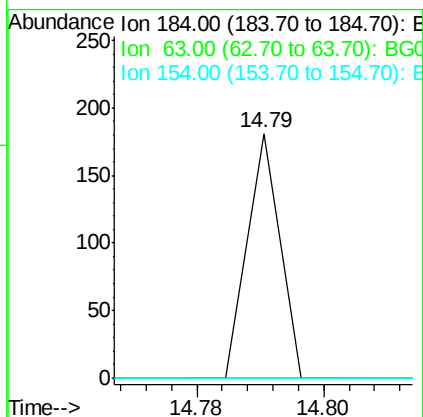
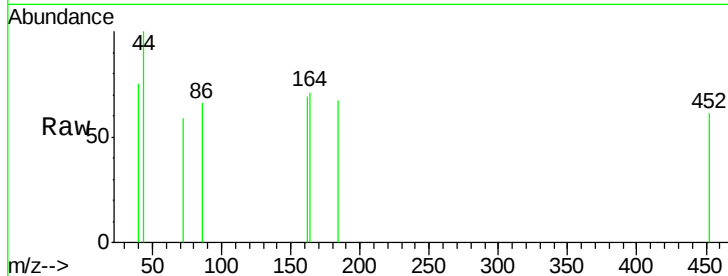




#54
2,4-Dinitrophenol
Concen: 5.489 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.08 min
Lab File: BG045538.D
Acq: 30 May 2020 3:22

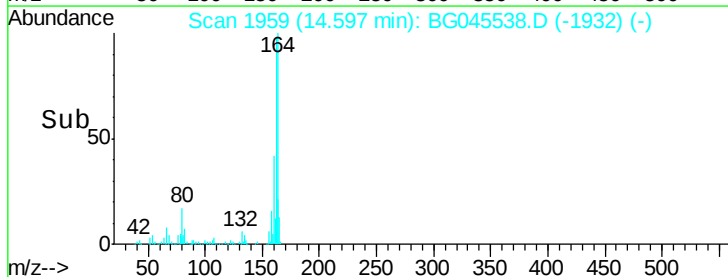
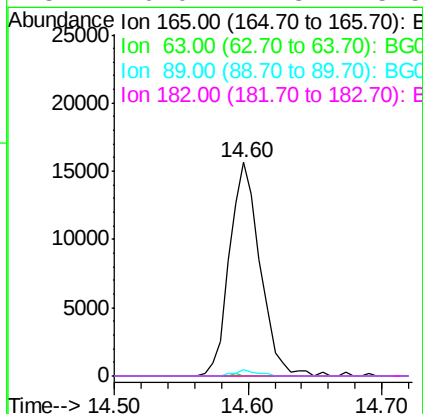
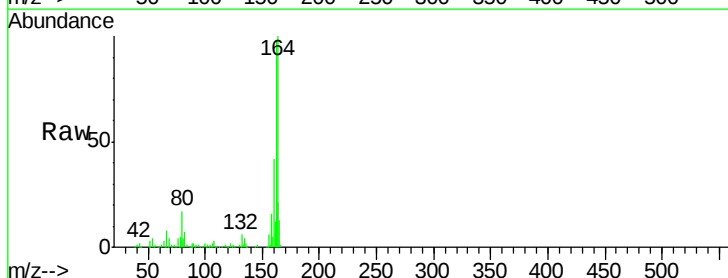
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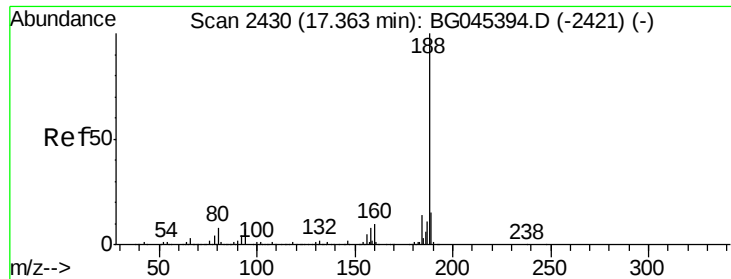
Tot Ion:184 Resp: 64
Ion Ratio Lower Upper
184 100
63 0.0 47.8 71.6#
154 0.0 58.3 87.5#



#57
2,4-Dinitrotoluene
Concen: 5.703 ng
RT: 14.60 min Scan# 1959
Delta R.T. -0.37 min
Lab File: BG045538.D
Acq: 30 May 2020 3:22

Tgt Ion:165 Resp: 24986
Ion Ratio Lower Upper
165 100
63 0.0 32.5 48.7#
89 2.8 61.8 92.6#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG045538.D

Acq: 30 May 2020 3:22

Instrument :

BNA_G

ClientSampleId :

PB129185TB

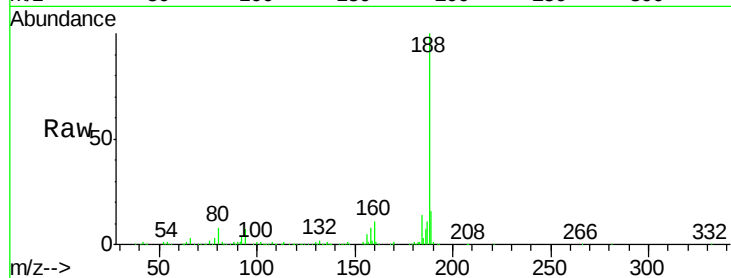
Tot Ion:188 Resp: 462872

Ion Ratio Lower Upper

188 100

94 7.0 5.5 8.3

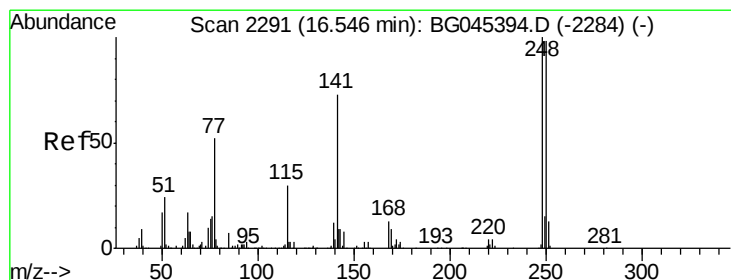
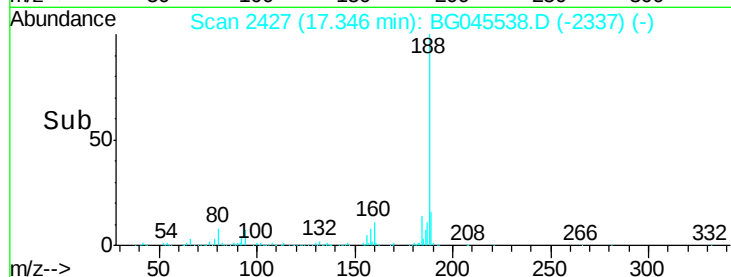
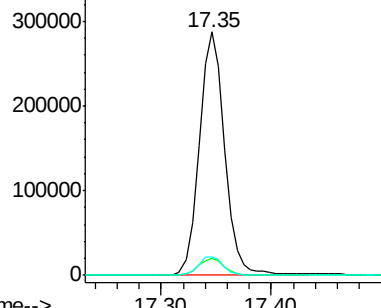
80 7.7 6.6 10.0



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: 4.643 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.45 min

Lab File: BG045538.D

Acq: 30 May 2020 3:22

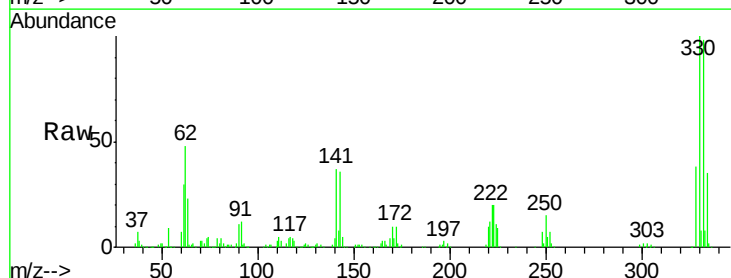
Tgt Ion:248 Resp: 23273

Ion Ratio Lower Upper

248 100

250 193.4 78.6 117.8#

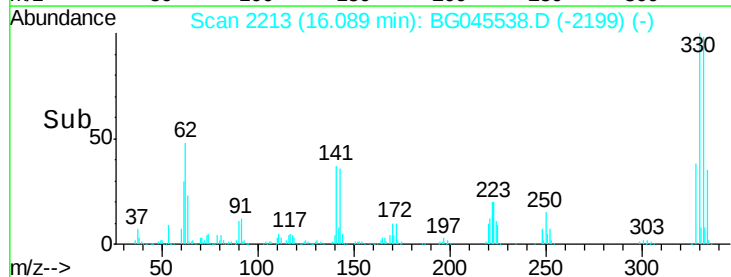
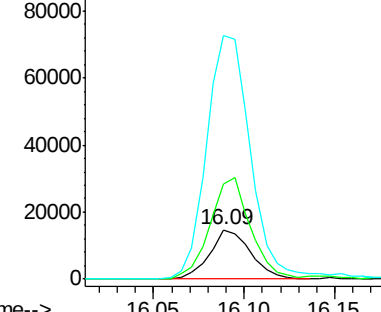
141 495.6 58.2 87.2#

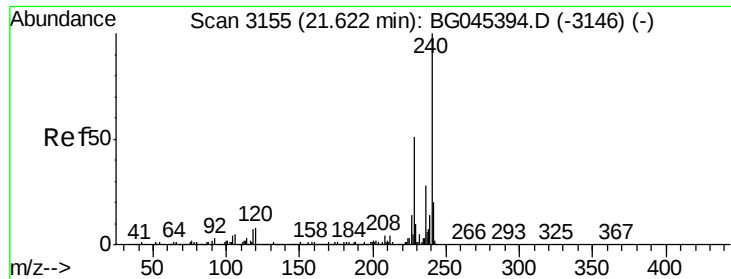


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

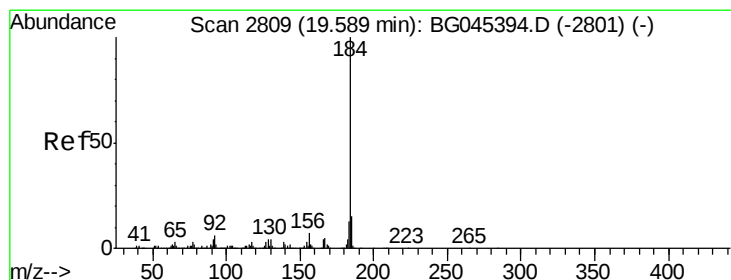
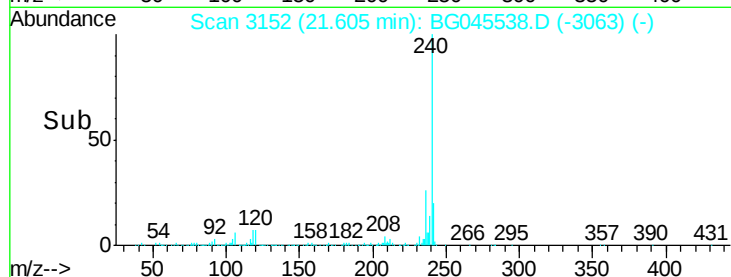
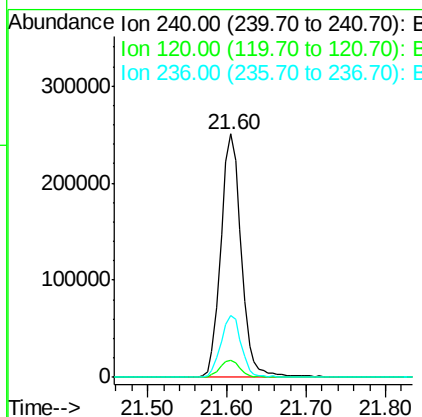
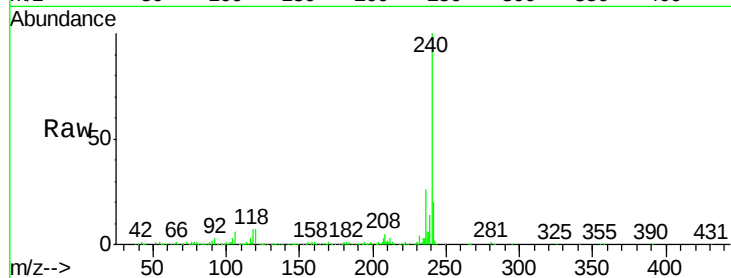




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045538.D
Acq: 30 May 2020 3:22

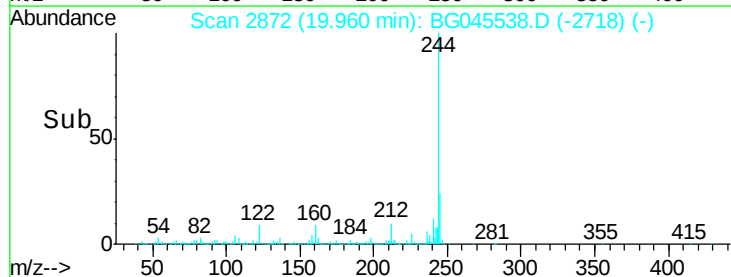
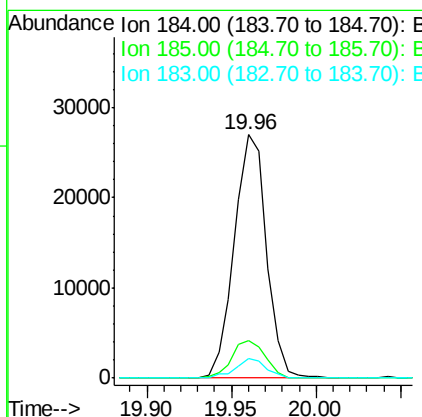
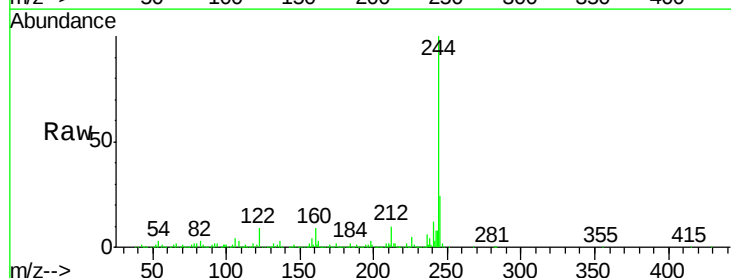
Instrument :
BNA_G
ClientSampleId :
PB129185TB

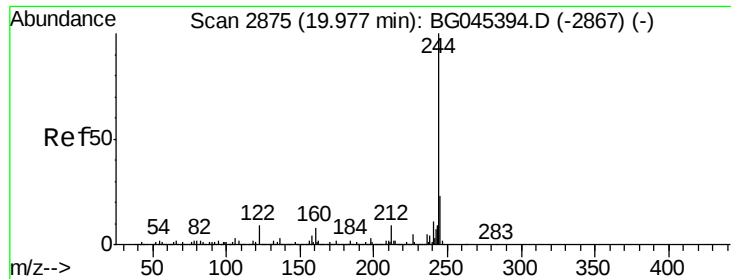
Tot Ion:240 Resp: 448705
Ion Ratio Lower Upper
240 100
120 7.0 6.1 9.1
236 25.5 22.3 33.5



#77
Benzidine
Concen: 2.847 ng
RT: 19.96 min Scan# 2872
Delta R.T. 0.38 min
Lab File: BG045538.D
Acq: 30 May 2020 3:22

Tgt Ion:184 Resp: 35882
Ion Ratio Lower Upper
184 100
185 15.2 11.7 17.5
183 8.1 10.2 15.4#





#79

Terphenyl-d14

Concen: 99.189 ng

RT: 19.96 min Scan# 2872

Delta R.T. -0.00 min

Lab File: BG045538.D

Acq: 30 May 2020 3:22

Instrument :

BNA_G

ClientSampleId :

PB129185TB

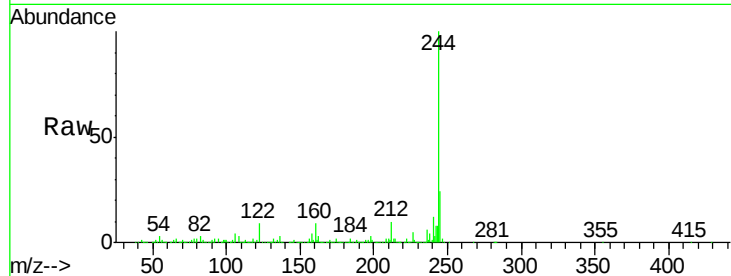
Tot Ion:244 Resp: 1908275

Ion Ratio Lower Upper

244 100

212 9.7 7.4 11.0

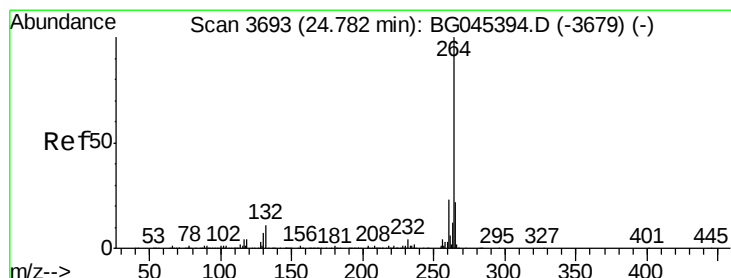
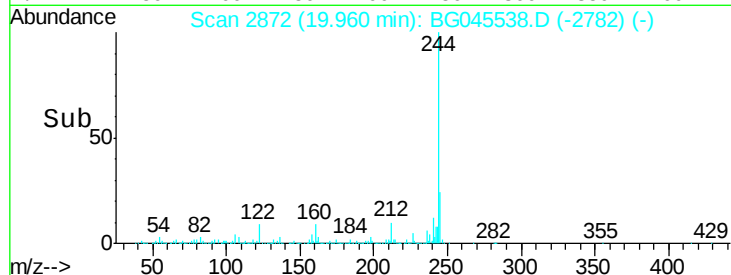
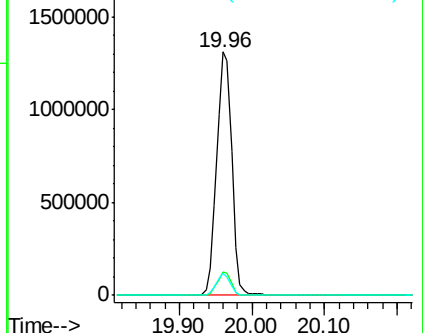
122 8.9 6.8 10.2



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

Perylene-d12

Concen: 20.000 ng

RT: 24.75 min Scan# 3688

Delta R.T. -0.00 min

Lab File: BG045538.D

Acq: 30 May 2020 3:22

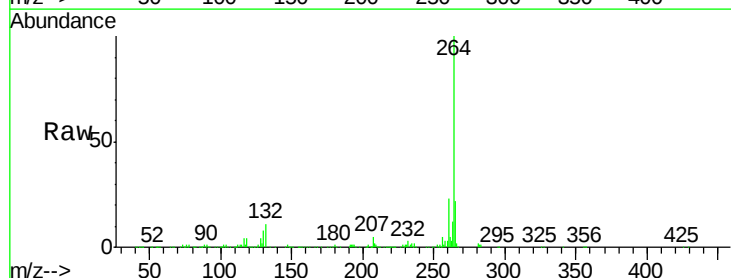
Tgt Ion:264 Resp: 464049

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.4

265 22.1 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

