

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060820\
 Data File : BG045646.D
 Acq On : 8 Jun 2020 17:35
 Operator : CG/JU
 Sample : L2904-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP

Quant Time: Jun 08 18:29:07 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

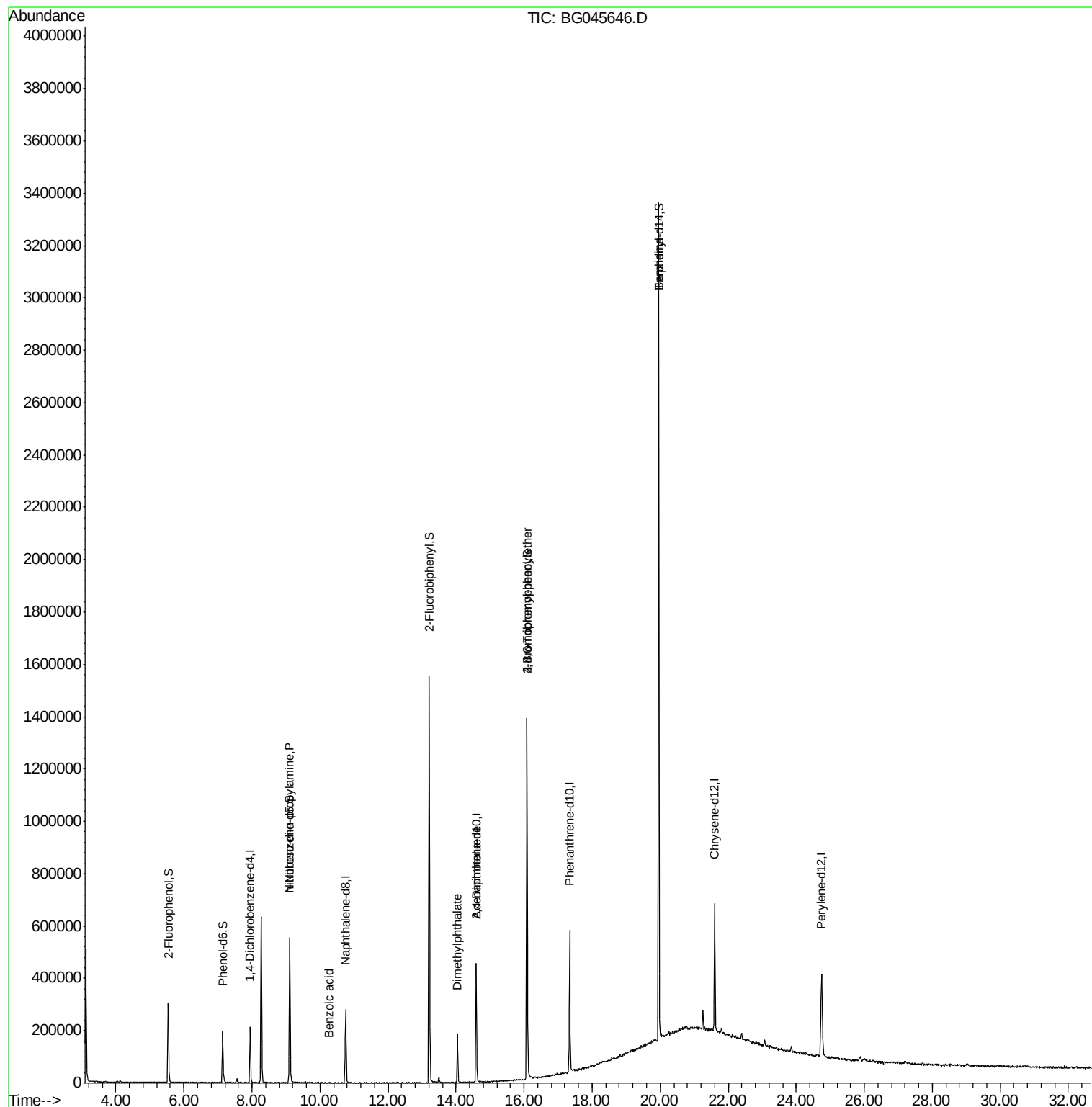
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	62962	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	247137	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	166887	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	358386	20.00	ng	0.00
76) Chrysene-d12	21.60	240	344568	20.00	ng	0.00
87) Perylene-d12	24.75	264	373168	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	153487	47.64	ng	0.00
7) Phenol-d6	7.14	99	135871	29.63	ng	0.00
23) Nitrobenzene-d5	9.11	82	384372	84.81	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	292884	137.23	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	878573	89.30	ng	0.00
79) Terphenyl-d14	19.96	244	1495026	101.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	54561	17.207	ng	# 84
32) Benzoic acid	10.26	122	85	10.055	ng	# 1
50) Dimethylphthalate	14.04	163	129863	11.343	ng	98
57) 2,4-Dinitrotoluene	14.59	165	21397	5.719	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	19354	4.987	ng	# 1
77) Benzidine	19.96	184	30691	3.171	ng	# 86

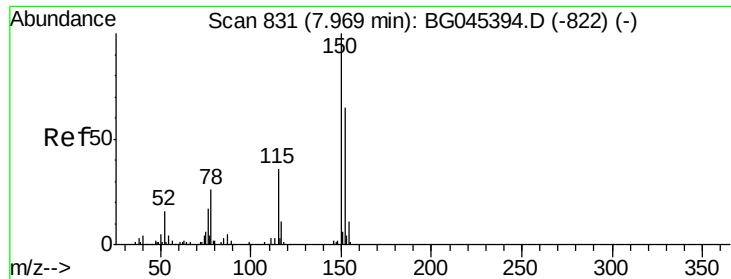
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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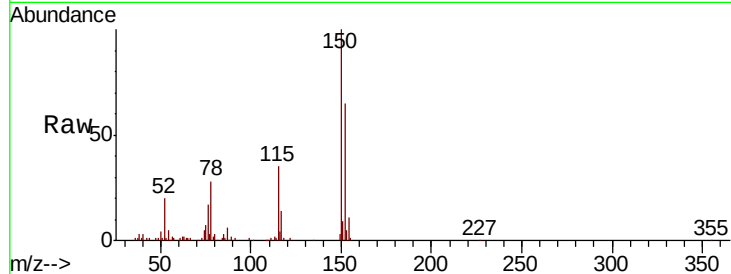


#1

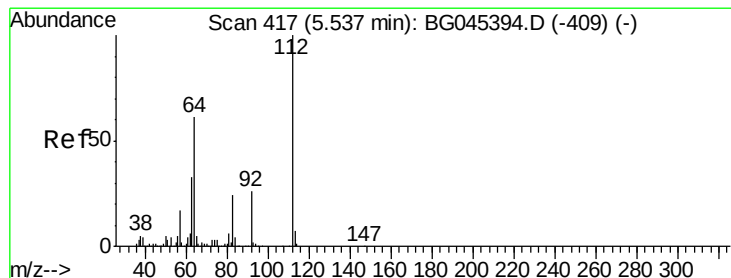
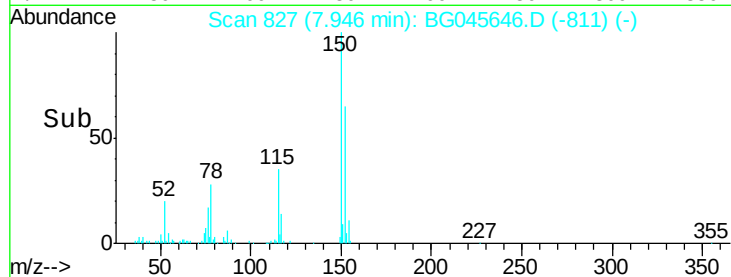
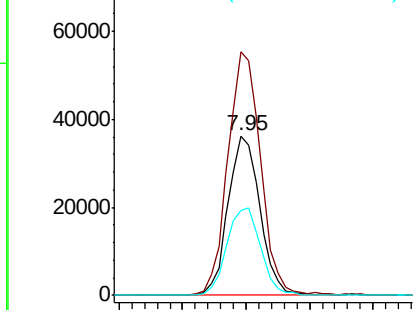
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG045646.D
Acq: 8 Jun 2020 17:35

Instrument :
BNA_G
ClientSampleId :
DUP

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	122.4	183.6
115	53.2	44.2	66.4



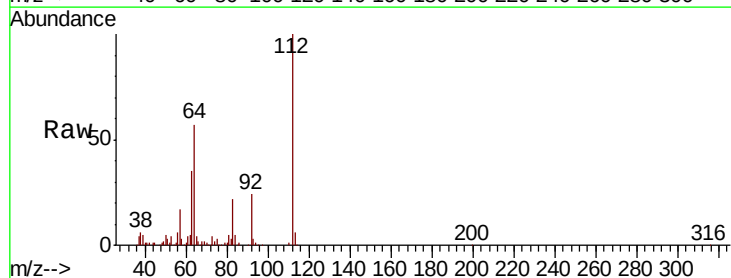
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



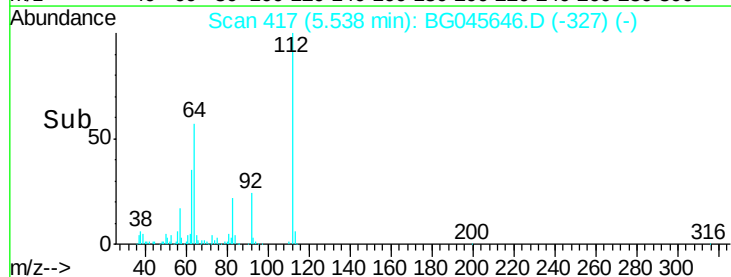
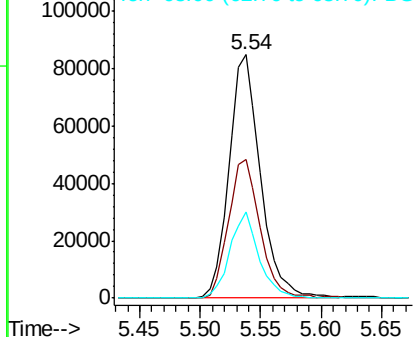
#5

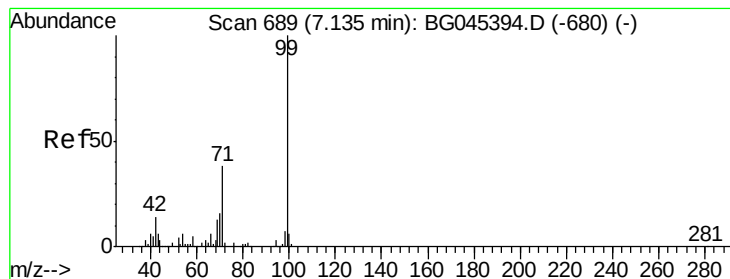
2-Fluorophenol
Concen: 47.641 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045646.D
Acq: 8 Jun 2020 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	48.6	72.8
63	35.3	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: 29.631 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045646.D

Acq: 8 Jun 2020 17:35

Instrument :

BNA_G

ClientSampleId :

DUP

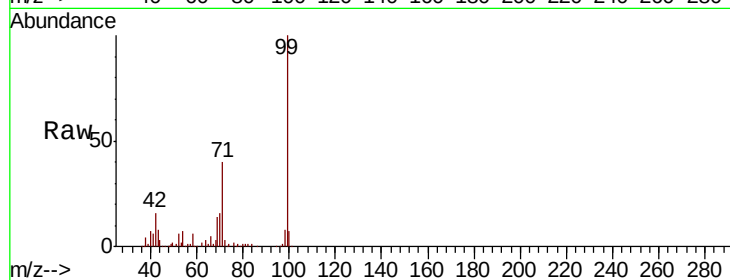
Tot Ion: 99 Resp: 135871

Ion Ratio Lower Upper

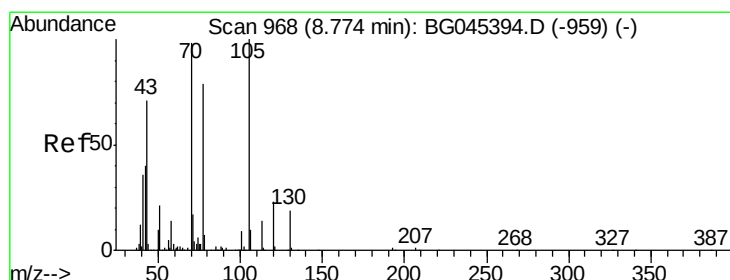
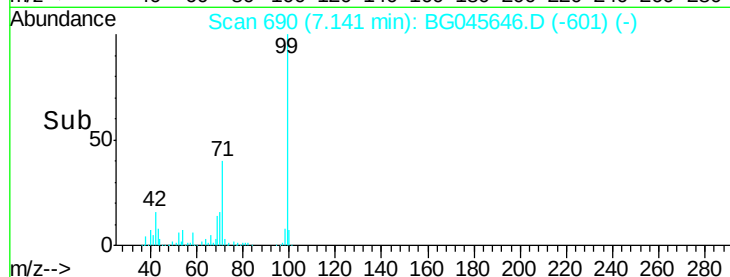
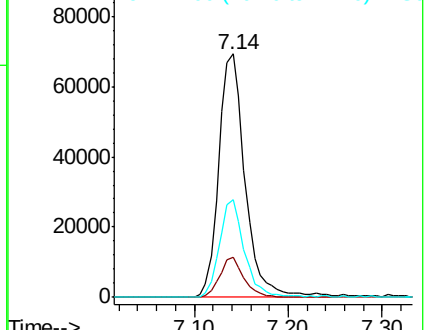
99 100

42 16.5 11.3 16.9

71 40.1 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: 17.207 ng

RT: 9.11 min Scan# 1025

Delta R.T. 0.35 min

Lab File: BG045646.D

Acq: 8 Jun 2020 17:35

Tgt Ion: 70 Resp: 54561

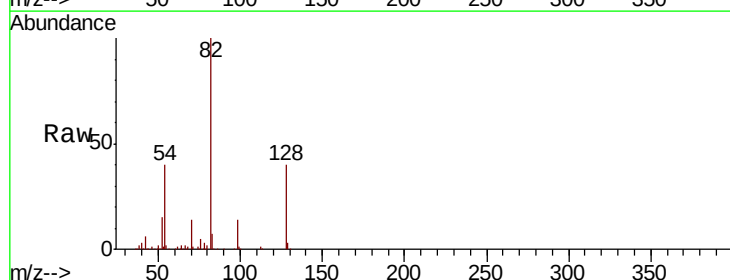
Ion Ratio Lower Upper

70 100

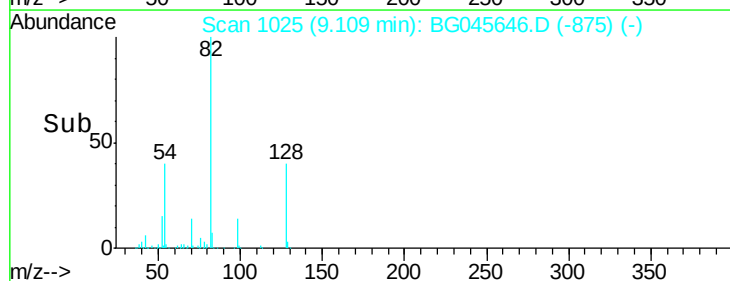
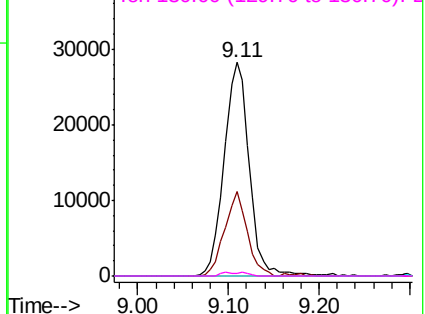
42 39.8 33.2 49.8

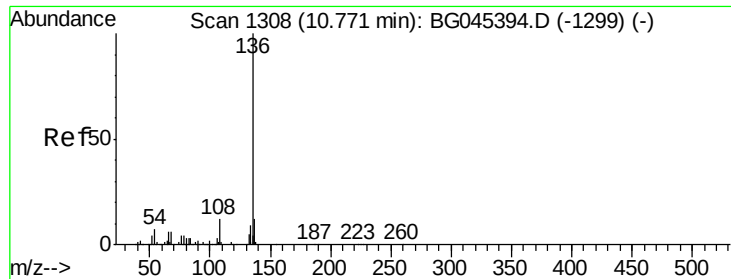
101 0.0 7.8 11.6#

130 1.5 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

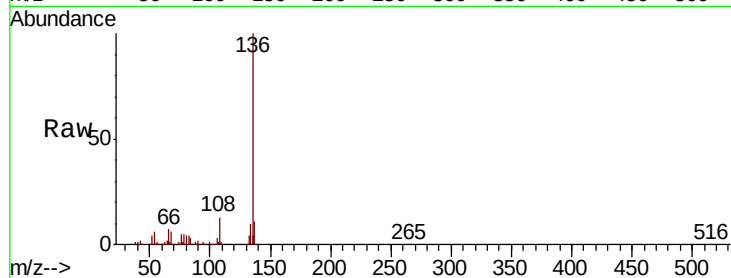




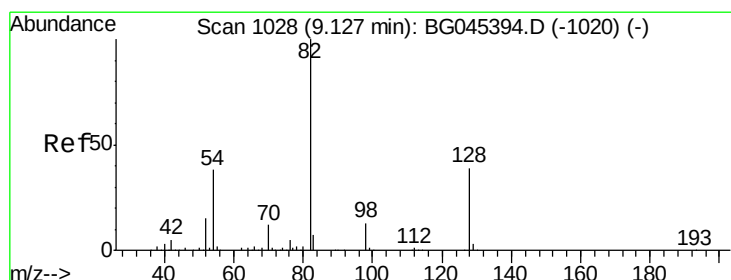
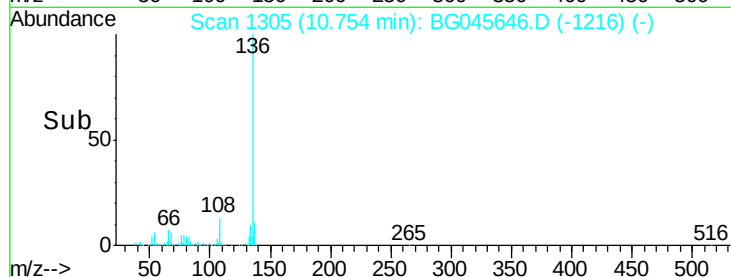
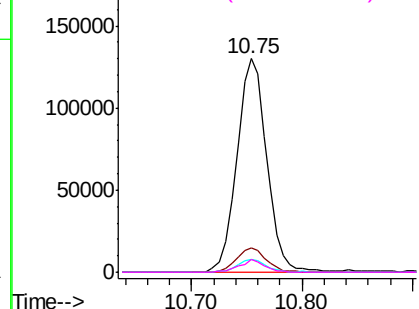
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045646.D
Acq: 8 Jun 2020 17:35

Instrument :
BNA_G
ClientSampleId :
DUP

Tot Ion:136	Resp:	247137
Ion Ratio	Lower	Upper
136 100		
137 11.2	9.4	14.2
54 6.2	5.8	8.6
68 6.3	4.5	6.7

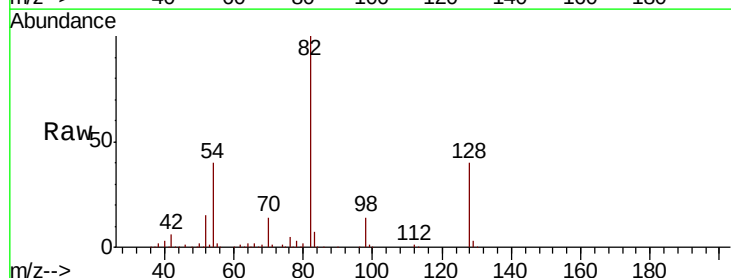


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

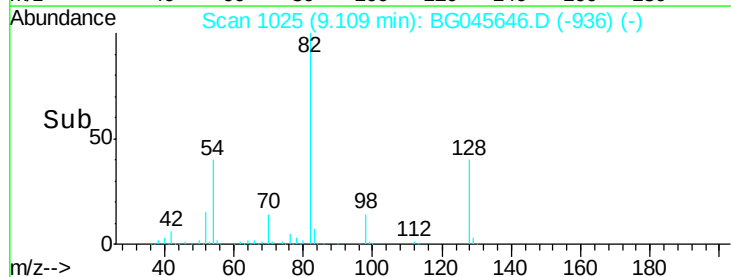
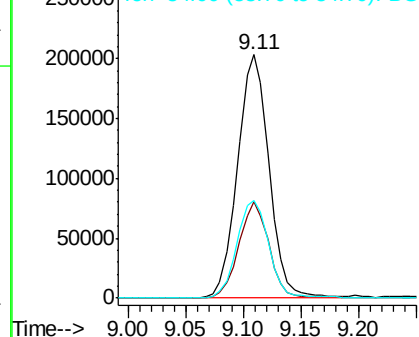


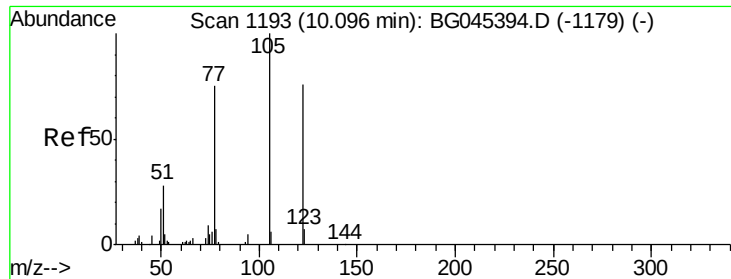
#23
Nitrobenzene-d5
Concen: 84.813 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG045646.D
Acq: 8 Jun 2020 17:35

Tgt Ion: 82	Resp: 384372
Ion Ratio	Lower Upper
82 100	
128 39.6	30.9 46.3
54 40.2	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

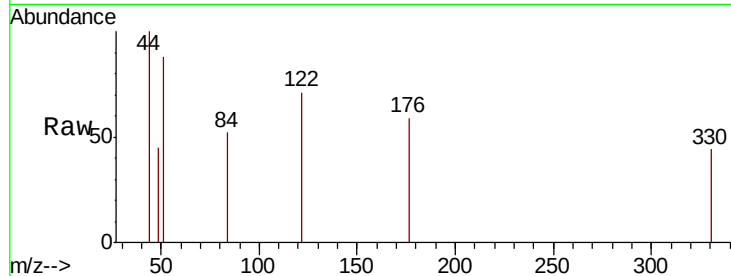




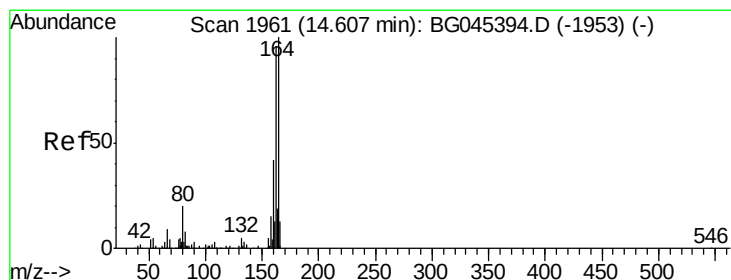
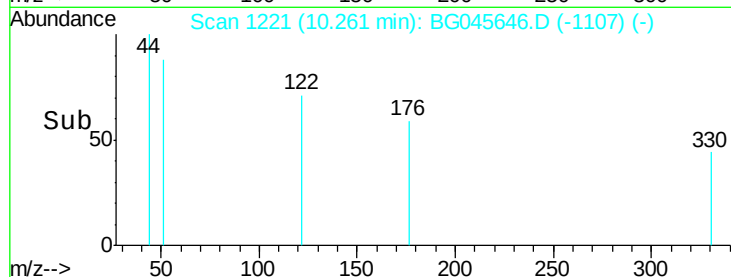
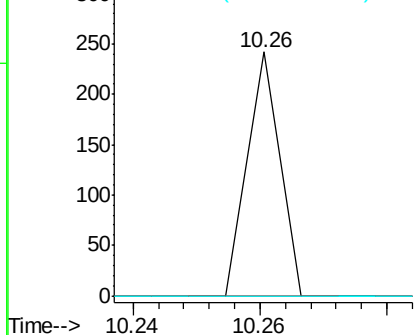
#32
Benzoic acid
Concen: 10.055 ng
RT: 10.26 min Scan# 1221
Delta R.T. 0.14 min
Lab File: BG045646.D
Acq: 8 Jun 2020 17:35

Instrument :
BNA_G
ClientSampleId :
DUP

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.9	147.9#
77	0.0	78.9	118.9#

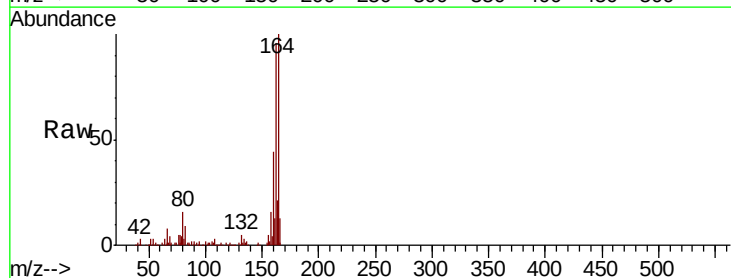


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

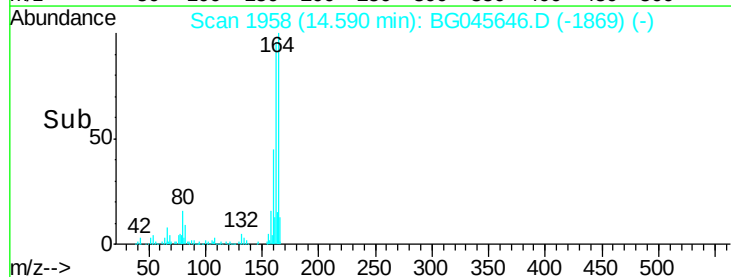
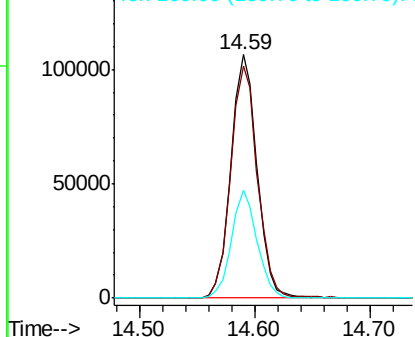


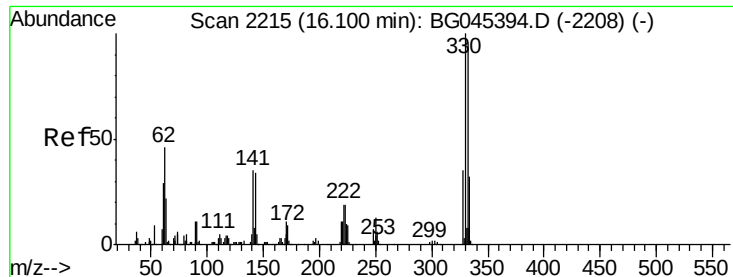
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG045646.D
Acq: 8 Jun 2020 17:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.5	76.9	115.3
160	44.4	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

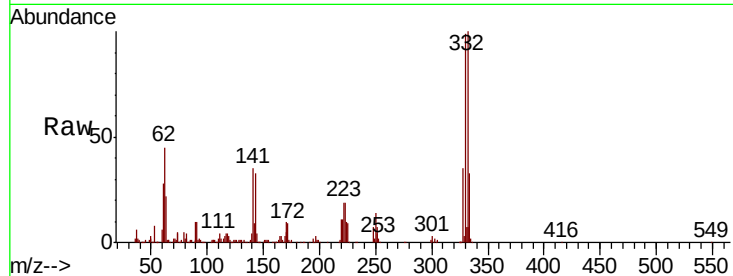




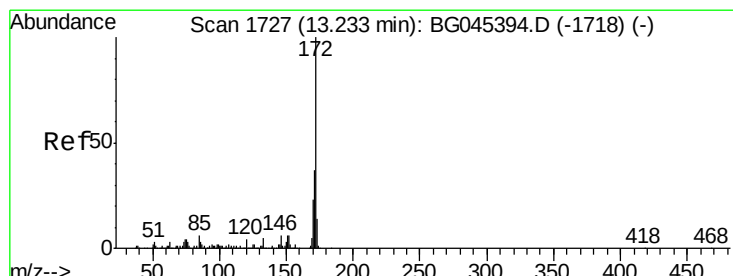
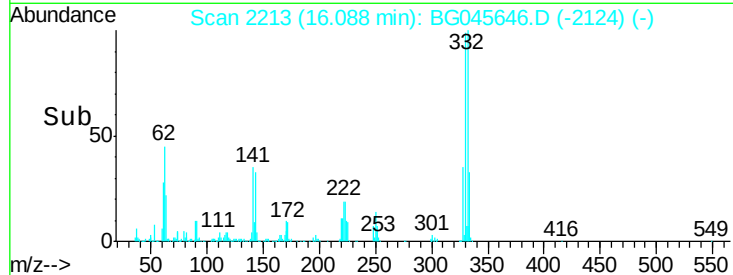
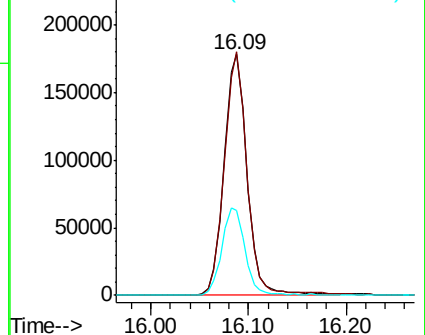
#42
 2,4,6-Tribromophenol
 Concen: 137.227 ng
 RT: 16.09 min Scan# 2213
 Delta R.T. -0.01 min
 Lab File: BG045646.D
 Acq: 8 Jun 2020 17:35

Instrument :
 BNA_G
 ClientSampled :
 DUP

Tot Ion:330 Resp: 292884
 Ion Ratio Lower Upper
 330 100
 332 99.6 78.2 117.4
 141 36.5 28.2 42.4

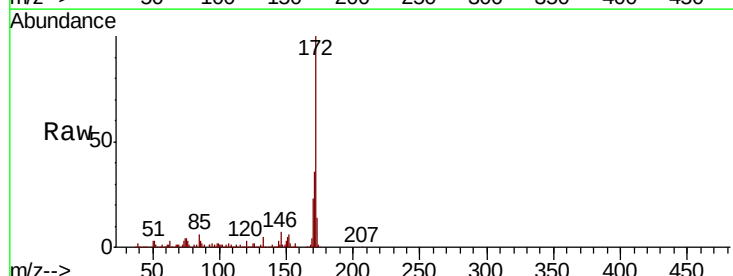


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

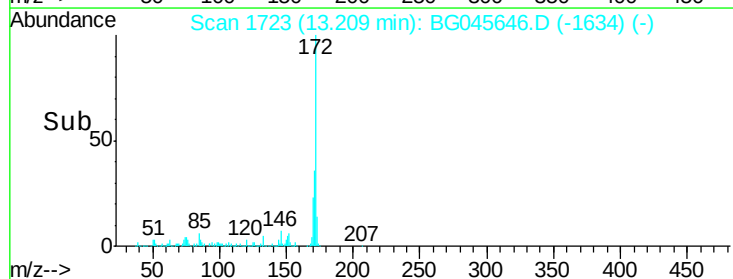
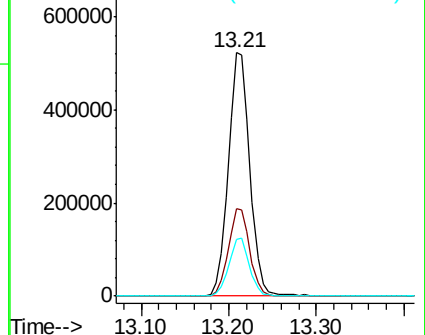


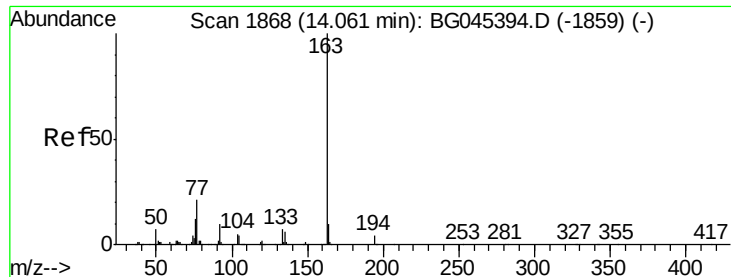
#45
 2-Fluorobiphenyl
 Concen: 89.296 ng
 RT: 13.21 min Scan# 1723
 Delta R.T. -0.01 min
 Lab File: BG045646.D
 Acq: 8 Jun 2020 17:35

Tgt Ion:172 Resp: 878573
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.5 44.3
 170 23.2 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: 11.343 ng

RT: 14.04 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG045646.D

Acq: 8 Jun 2020 17:35

Instrument :

BNA_G

ClientSampleId :

DUP

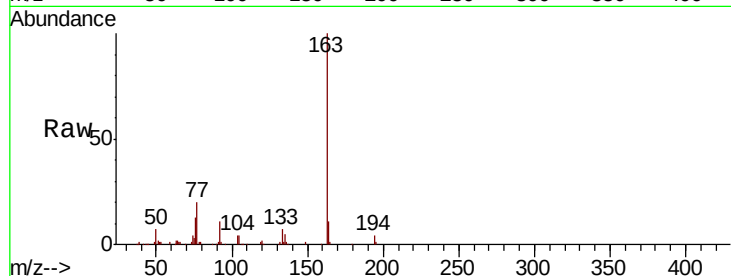
Tot Ion:163 Resp: 129863

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

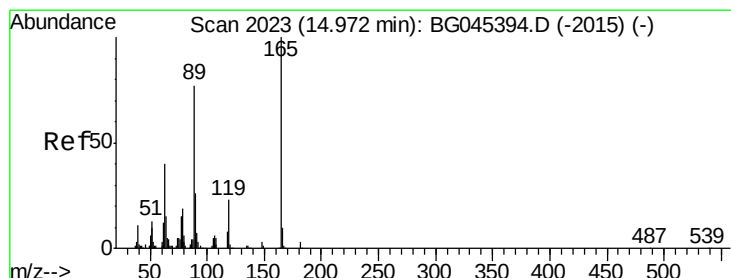
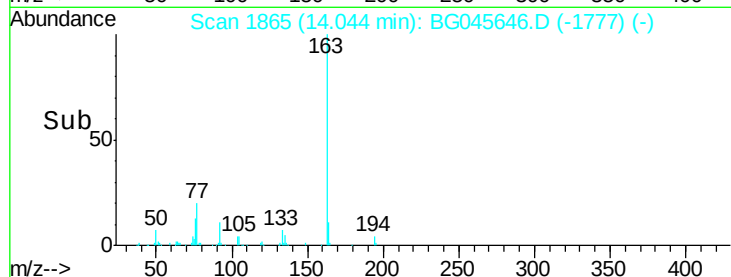
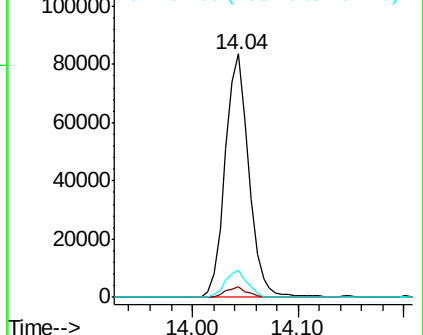
164 11.2 8.3 12.5



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



#57

2,4-Dinitrotoluene

Concen: 5.719 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.37 min

Lab File: BG045646.D

Acq: 8 Jun 2020 17:35

Tgt Ion:165 Resp: 21397

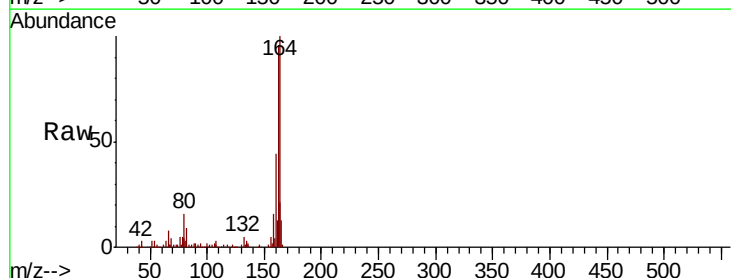
Ion Ratio Lower Upper

165 100

63 1.9 32.5 48.7#

89 1.1 61.8 92.6#

182 0.0 2.3 3.5#

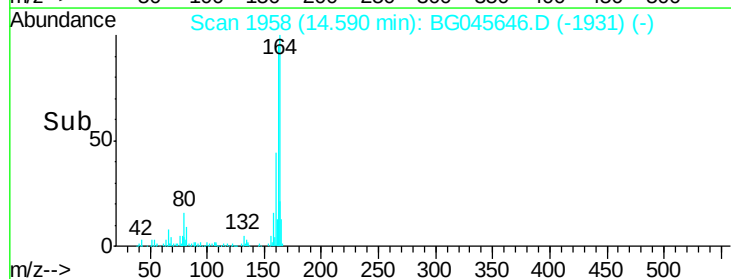
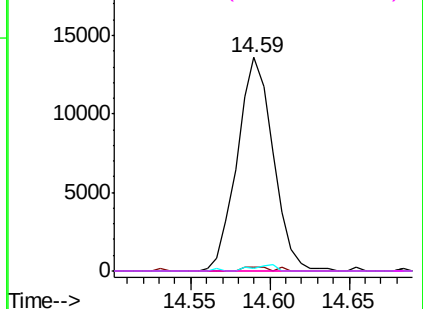


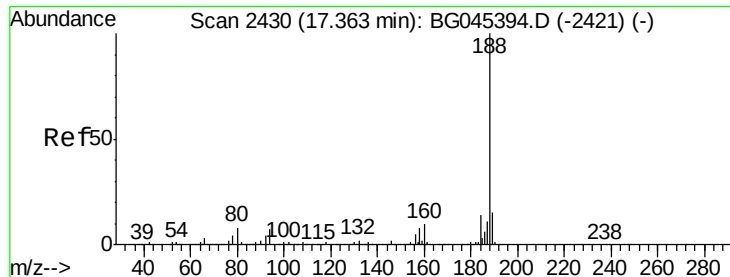
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.34 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BG045646.D

Acq: 8 Jun 2020 17:35

Instrument :

BNA_G

ClientSampleId :

DUP

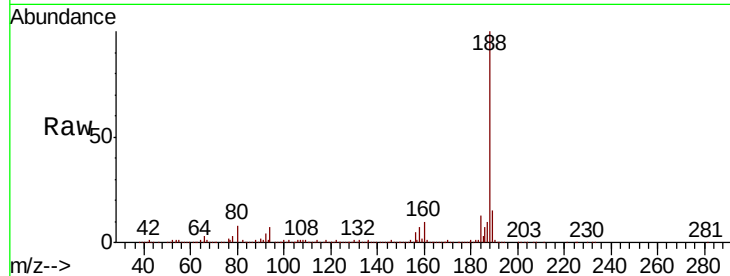
Tot Ion:188 Resp: 358386

Ion Ratio Lower Upper

188 100

94 7.1 5.5 8.3

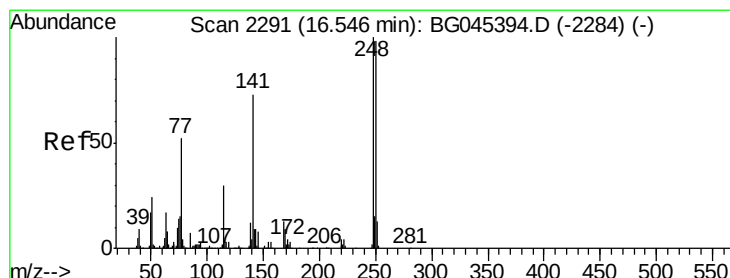
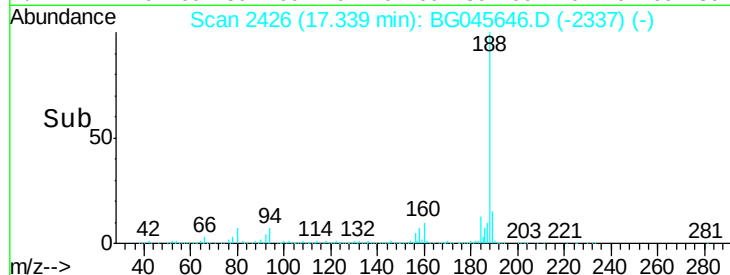
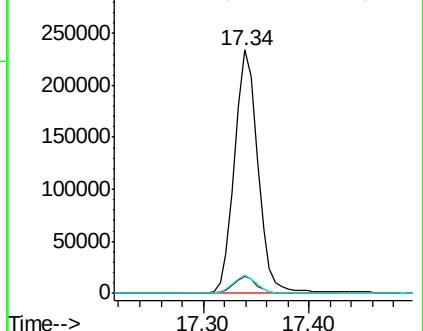
80 7.5 6.6 10.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.987 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.45 min

Lab File: BG045646.D

Acq: 8 Jun 2020 17:35

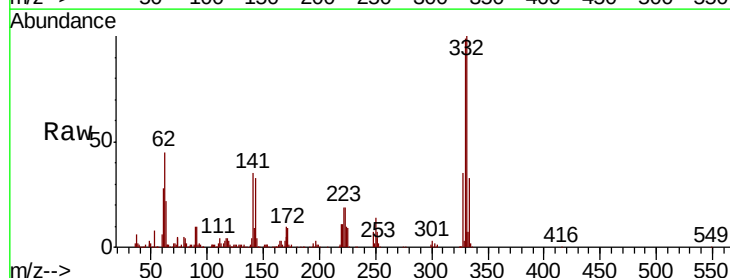
Tgt Ion:248 Resp: 19354

Ion Ratio Lower Upper

248 100

250 195.2 78.6 117.8#

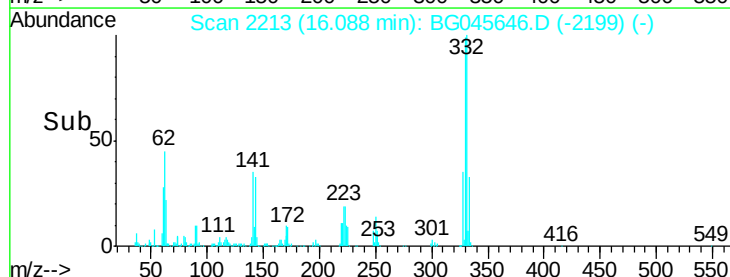
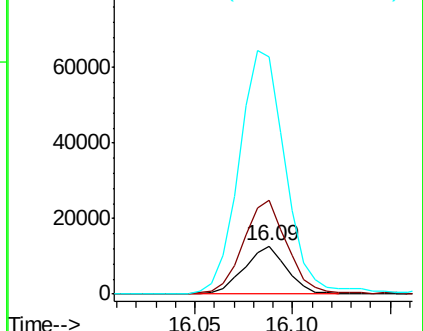
141 491.5 58.2 87.2#

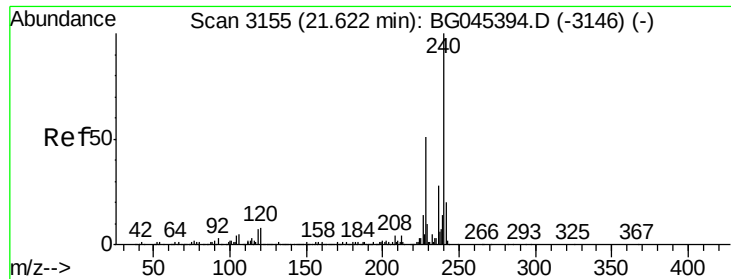


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.60 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG045646.D

Acq: 8 Jun 2020 17:35

Instrument :

BNA_G

ClientSampleId :

DUP

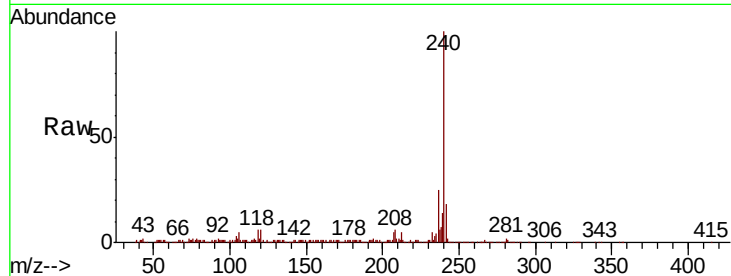
Tot Ion:240 Resp: 344568

Ion Ratio Lower Upper

240 100

120 5.9 6.1 9.1#

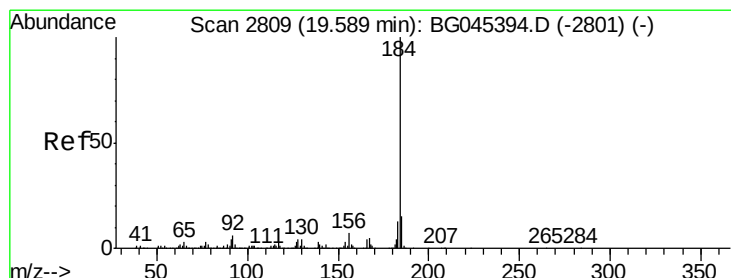
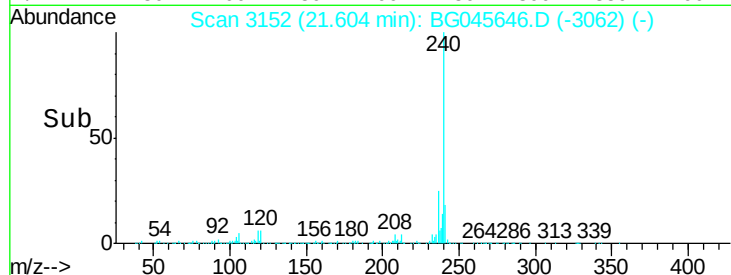
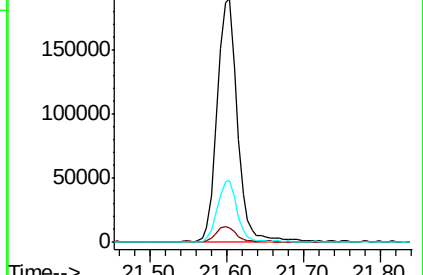
236 25.2 22.3 33.5



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: 3.171 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045646.D

Acq: 8 Jun 2020 17:35

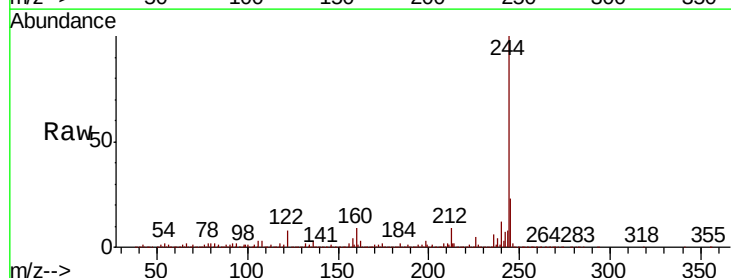
Tgt Ion:184 Resp: 30691

Ion Ratio Lower Upper

184 100

185 21.5 11.7 17.5#

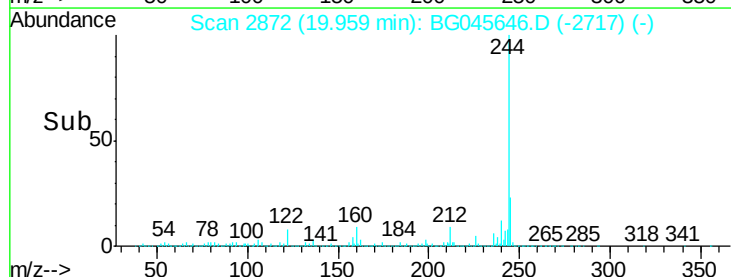
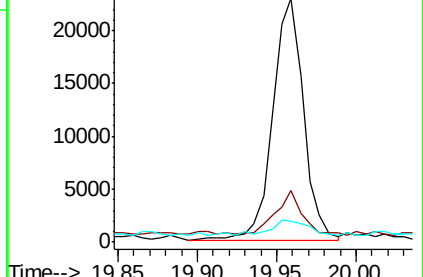
183 8.8 10.2 15.4#

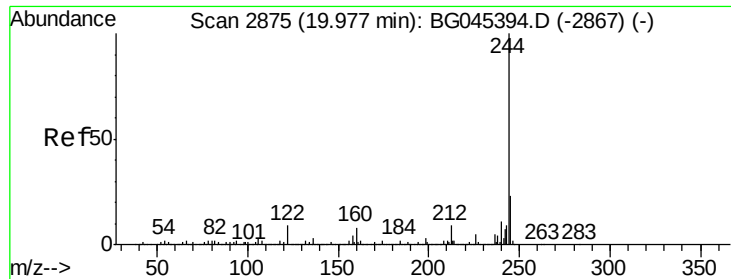


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 101.195 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045646.D

Acq: 8 Jun 2020 17:35

Instrument :

BNA_G

ClientSampled :

DUP

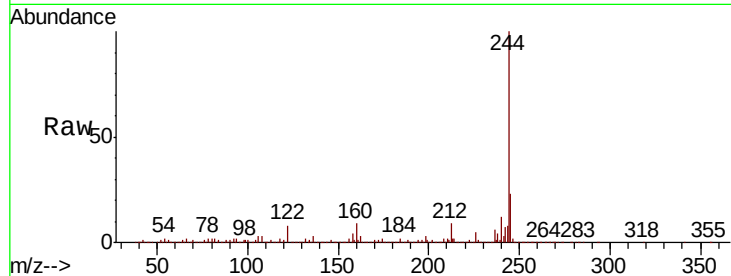
Tot Ion:244 Resp: 1495026

Ion Ratio Lower Upper

244 100

212 9.3 7.4 11.0

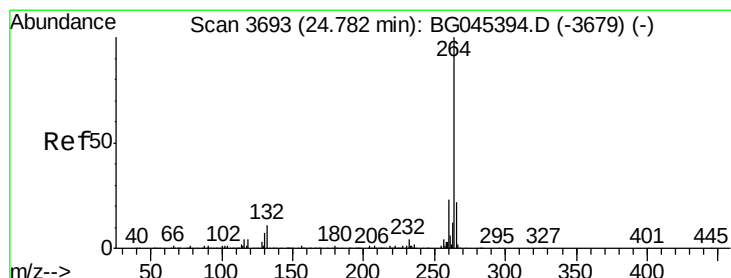
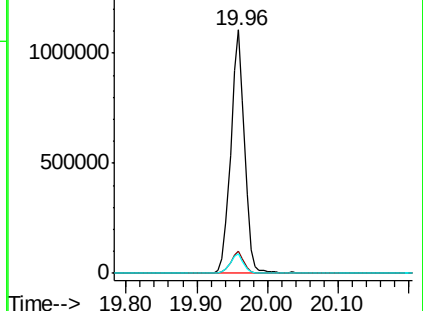
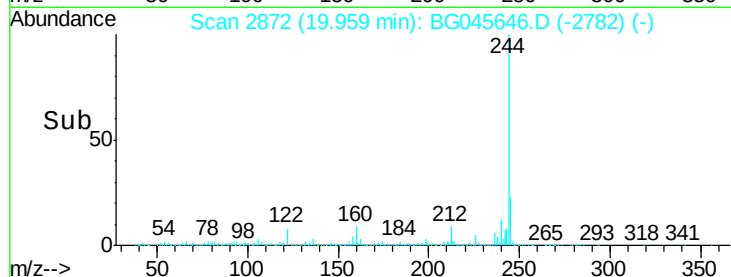
122 7.9 6.8 10.2



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# 3687

Delta R.T. -0.01 min

Lab File: BG045646.D

Acq: 8 Jun 2020 17:35

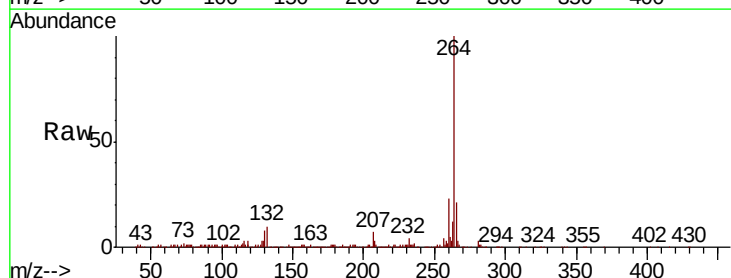
Tgt Ion:264 Resp: 373168

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 21.0 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

