

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060820\
 Data File : BG045645.D
 Acq On : 8 Jun 2020 16:55
 Operator : CG/JU
 Sample : L2904-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EB6420

Quant Time: Jun 08 18:28:56 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

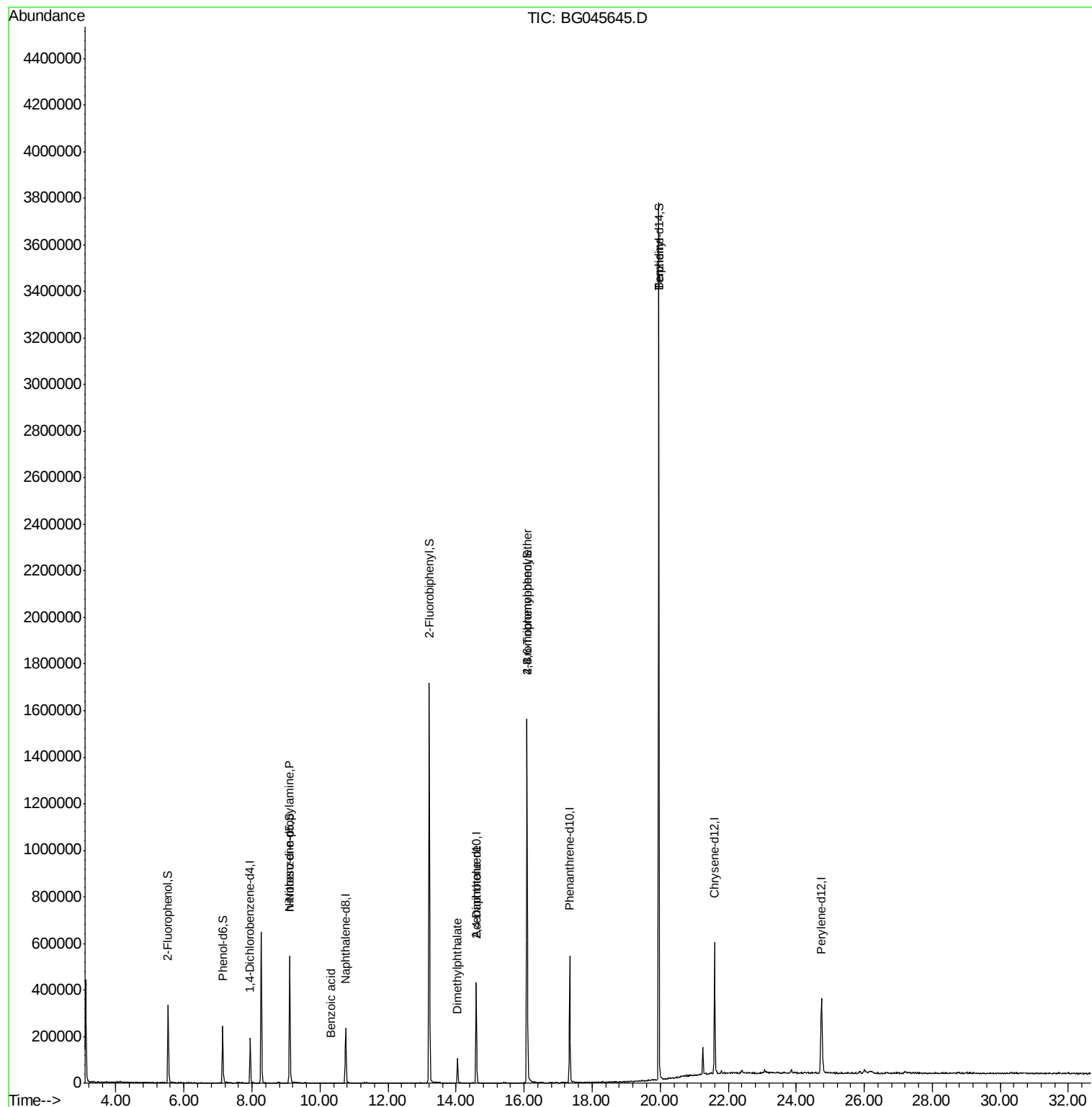
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	57900	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	223490	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	159783	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	363693	20.00	ng	0.00
76) Chrysene-d12	21.60	240	365312	20.00	ng	0.00
87) Perylene-d12	24.75	264	384185	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	168626	56.92	ng	0.00
7) Phenol-d6	7.14	99	169876	40.29	ng	0.00
23) Nitrobenzene-d5	9.11	82	381425	93.07	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	331582	162.27	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	969535	102.92	ng	0.00
79) Terphenyl-d14	19.96	244	1876215	119.79	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	53018	18.182	ng	Qvalue # 78
32) Benzoic acid	10.33	122	56	10.046	ng	# 1
50) Dimethylphthalate	14.04	163	74790	6.823	ng	98
57) 2,4-Dinitrotoluene	14.59	165	20806	5.808	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	22026	5.593	ng	# 1
77) Benzidine	19.96	184	36591	3.566	ng	# 92

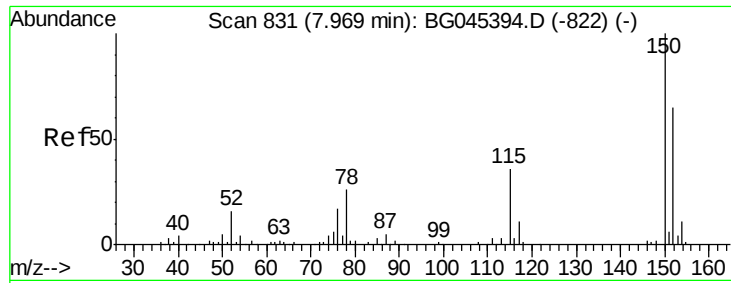
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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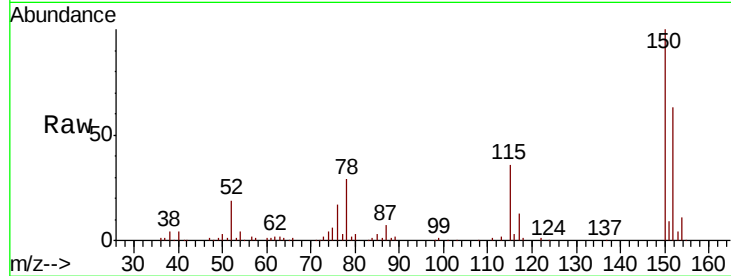


#1

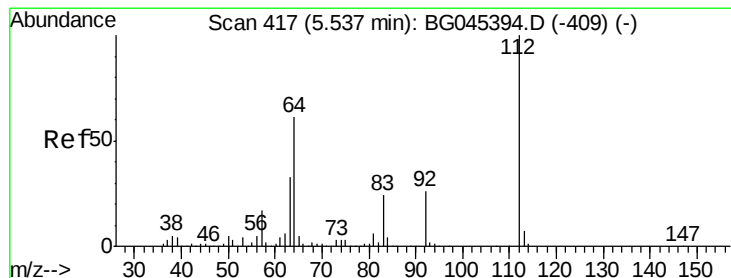
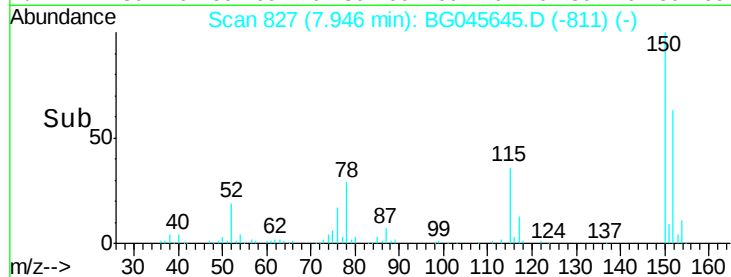
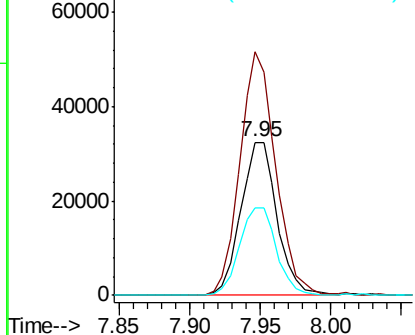
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG045645.D
Acq: 8 Jun 2020 16:55

Instrument :
BNA_G
ClientSampleId :
EB6420

Tot Ion:152 Resp: 57900
Ion Ratio Lower Upper
152 100
150 159.4 122.4 183.6
115 57.0 44.2 66.4



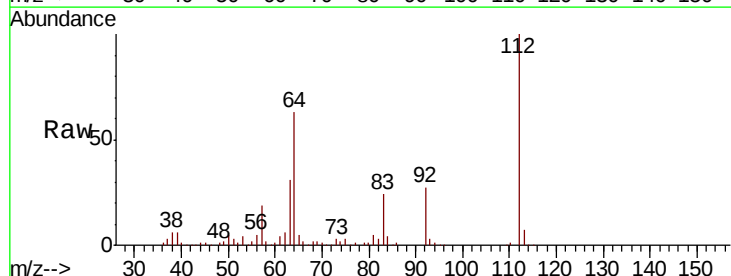
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



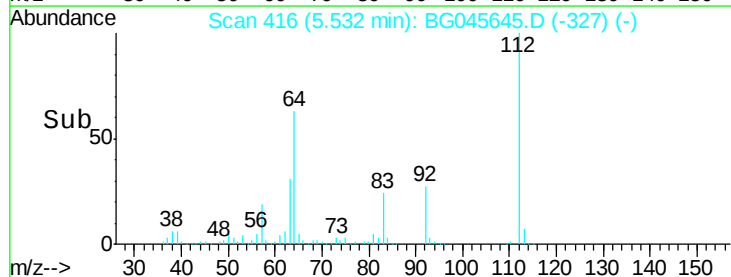
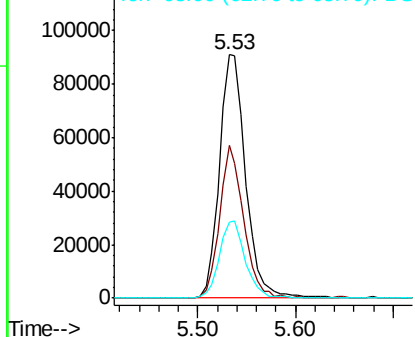
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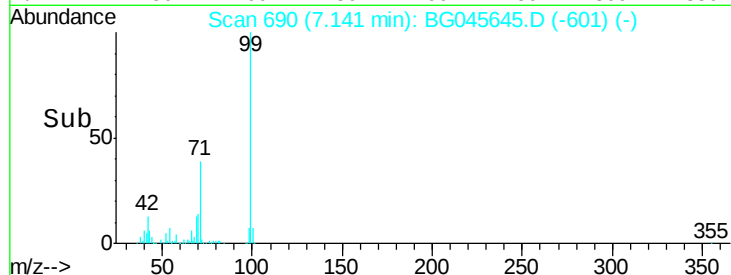
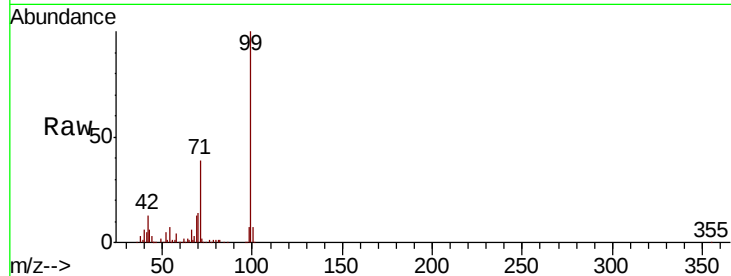
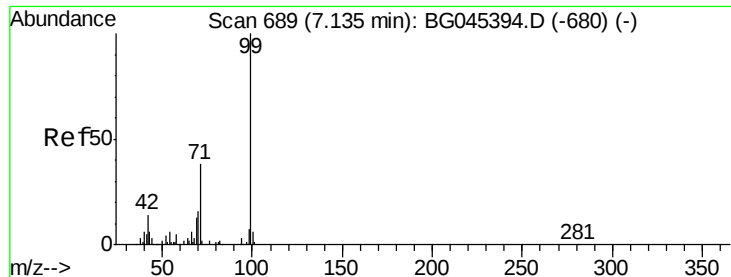
2-Fluorophenol
Concen: 56.916 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG045645.D
Acq: 8 Jun 2020 16:55

Tgt Ion:112 Resp: 168626
Ion Ratio Lower Upper
112 100
64 62.8 48.6 72.8
63 31.3 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: 40.285 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045645.D

Acq: 8 Jun 2020 16:55

Instrument :

BNA_G

ClientSampleId :

EB6420

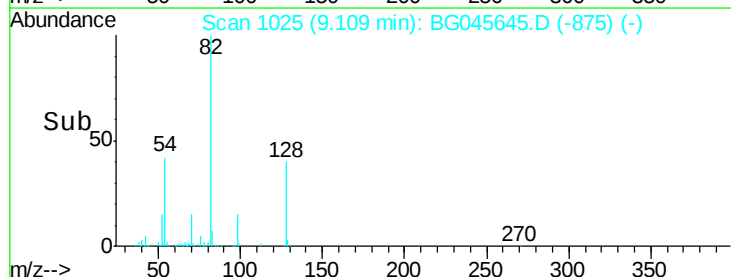
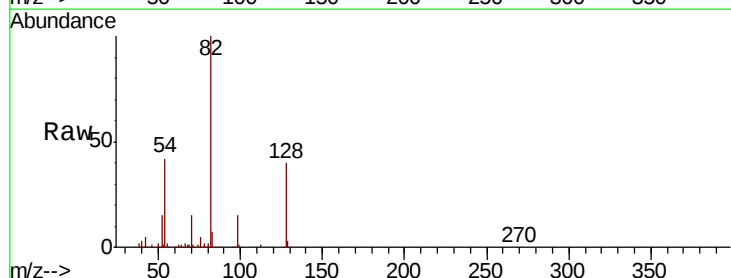
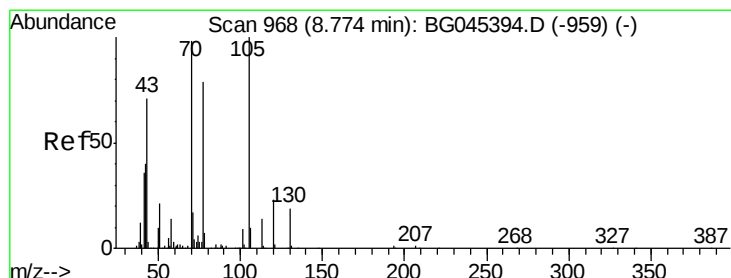
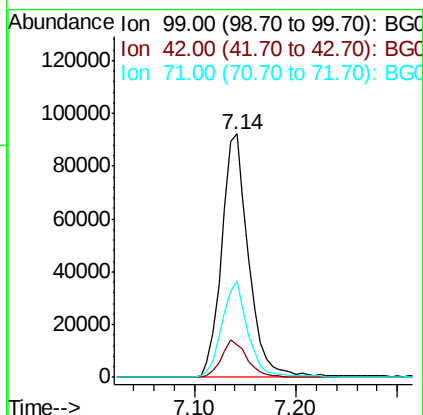
Tot Ion: 99 Resp: 169876

Ion Ratio Lower Upper

99 100

42 13.1 11.3 16.9

71 39.4 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 18.182 ng

RT: 9.11 min Scan# 1025

Delta R.T. 0.35 min

Lab File: BG045645.D

Acq: 8 Jun 2020 16:55

Tgt Ion: 70 Resp: 53018

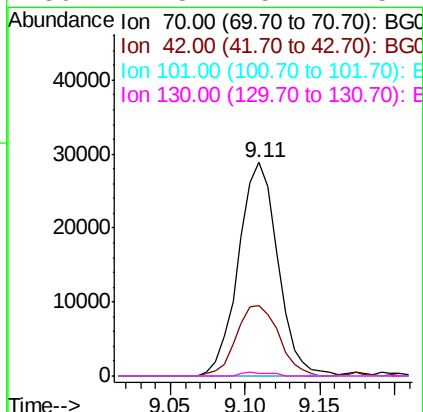
Ion Ratio Lower Upper

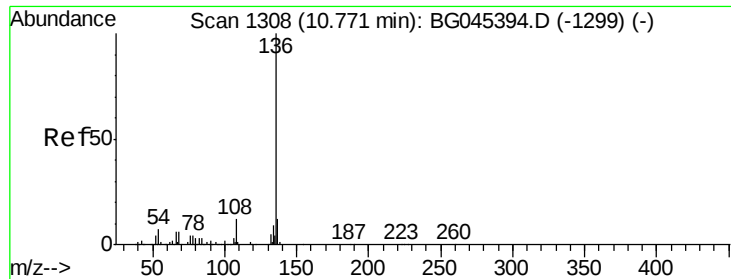
70 100

42 33.3 33.2 49.8

101 0.0 7.8 11.6#

130 1.3 15.4 23.2#

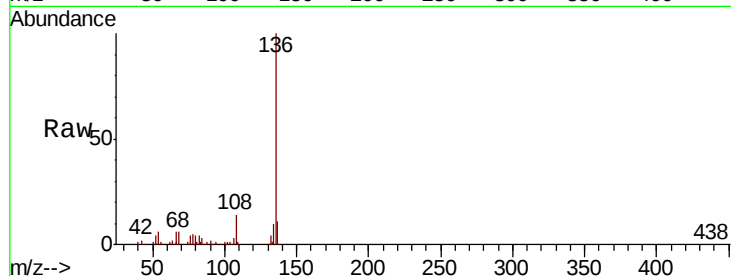




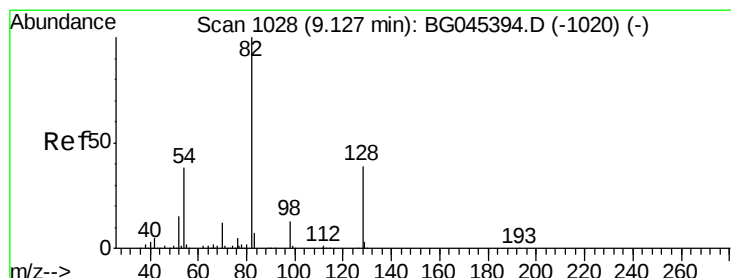
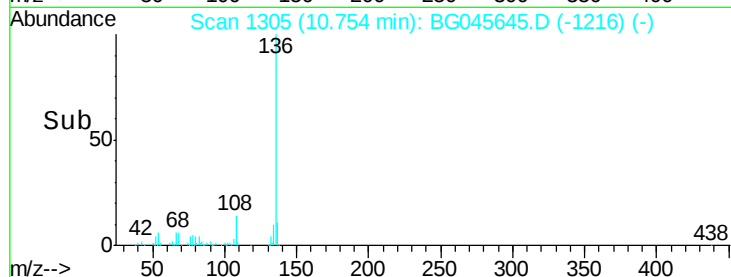
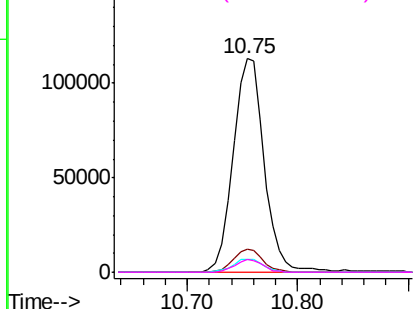
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045645.D
Acq: 8 Jun 2020 16:55

Instrument :
BNA_G
ClientSampleId :
EB6420

Tot Ion:136	Resp:	223490
Ion Ratio	Lower	Upper
136 100		
137 10.7	9.4	14.2
54 6.0	5.8	8.6
68 5.9	4.5	6.7

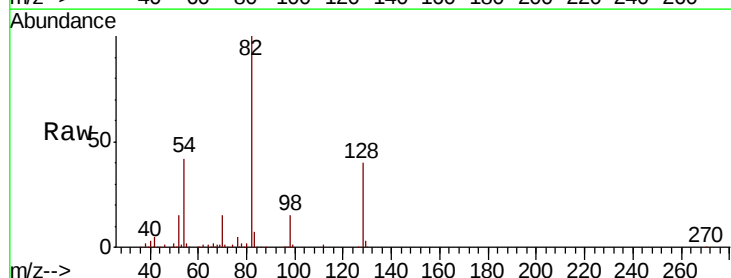


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

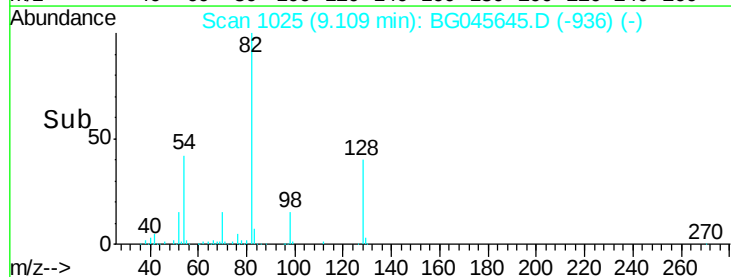
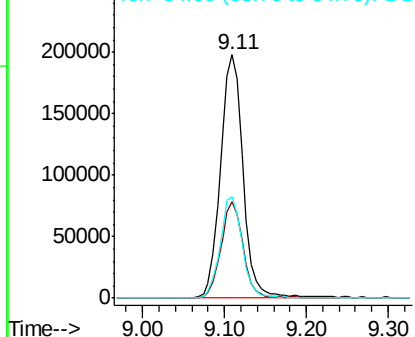


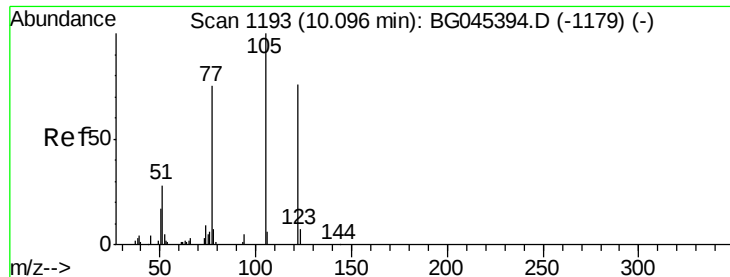
#23
Nitrobenzene-d5
Concen: 93.068 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG045645.D
Acq: 8 Jun 2020 16:55

Tgt Ion: 82	Resp: 381425
Ion Ratio	Lower Upper
82 100	
128 39.6	30.9 46.3
54 41.9	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

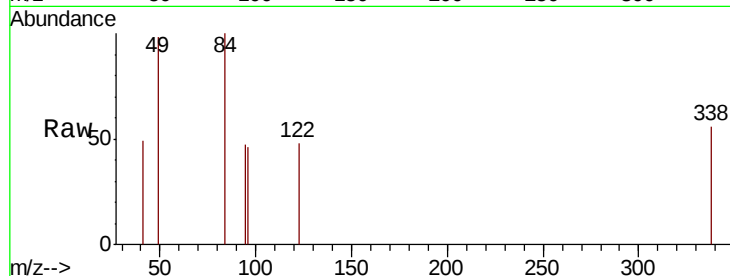




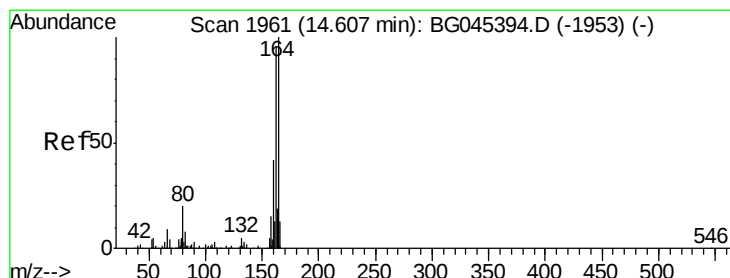
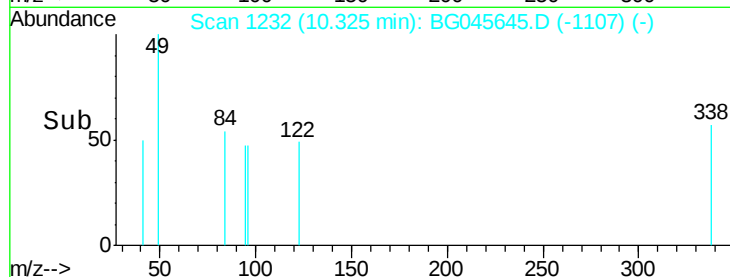
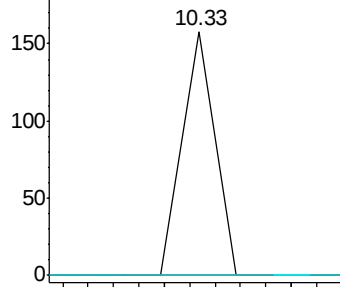
#32
Benzoic acid
Concen: 10.046 ng
RT: 10.33 min Scan# 1232
Delta R.T. 0.21 min
Lab File: BG045645.D
Acq: 8 Jun 2020 16:55

Instrument :
BNA_G
ClientSampleID :
EB6420

Tot Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 0.0 78.9 118.9#

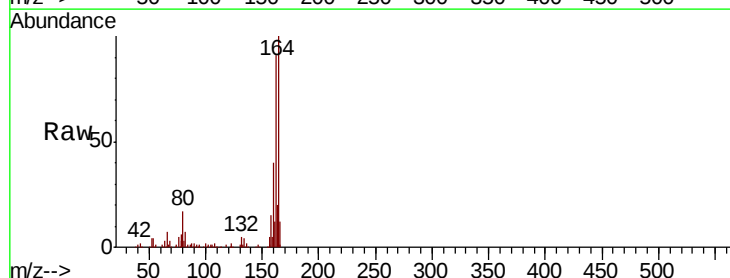


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

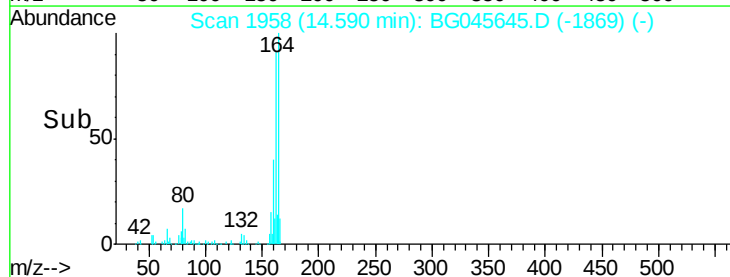
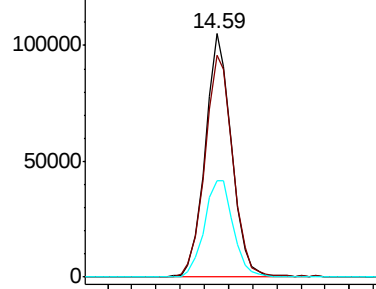


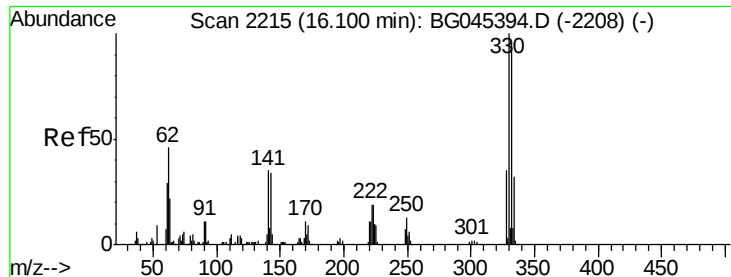
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG045645.D
Acq: 8 Jun 2020 16:55

Tgt Ion:164 Resp: 159783
Ion Ratio Lower Upper
164 100
162 91.3 76.9 115.3
160 39.7 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

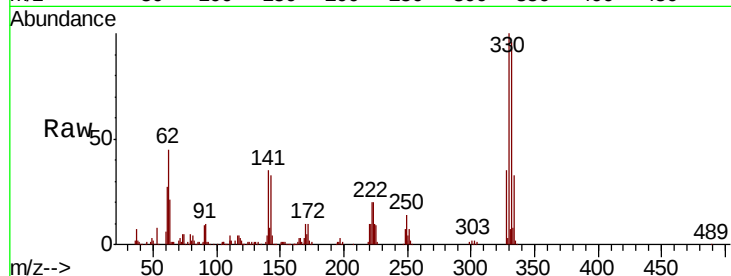




#42
 2,4,6-Tribromophenol
 Concen: 162.266 ng
 RT: 16.09 min Scan# 2213
 Delta R.T. -0.01 min
 Lab File: BG045645.D
 Acq: 8 Jun 2020 16:55

Instrument :
 BNA_G
 ClientSampleId :
 EB6420

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.0	78.2	117.4
141	35.8	28.2	42.4

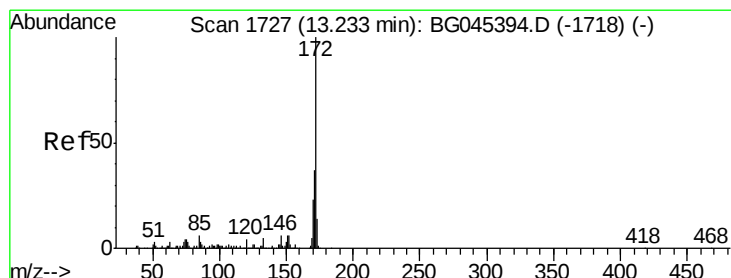
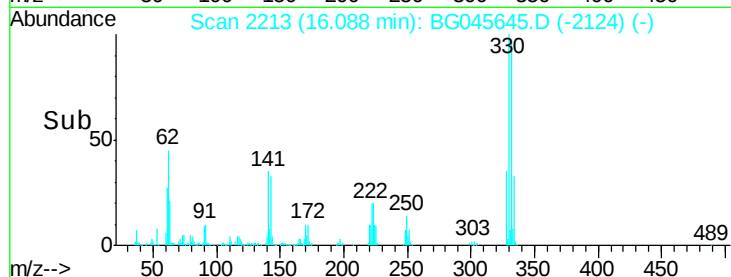
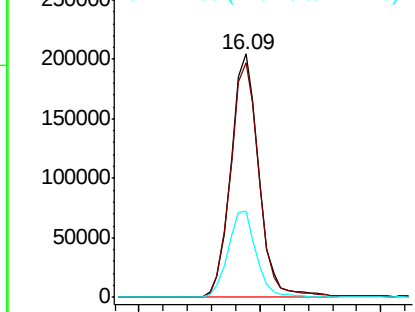


Abundance

Ion 329.80 (329.50 to 330.50): E

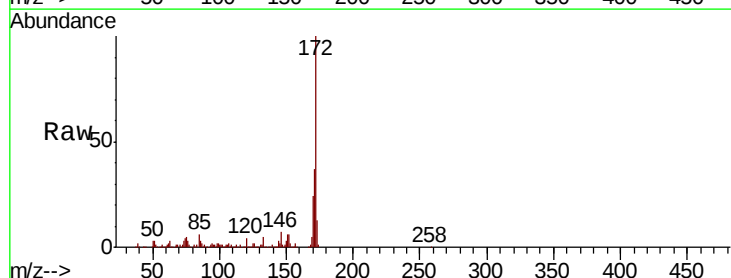
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 102.923 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BG045645.D
 Acq: 8 Jun 2020 16:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.5	44.3
170	24.1	18.5	27.7

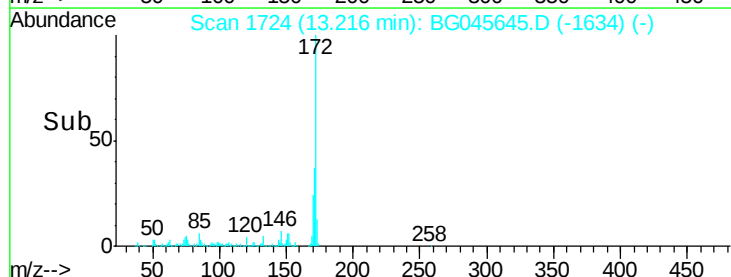
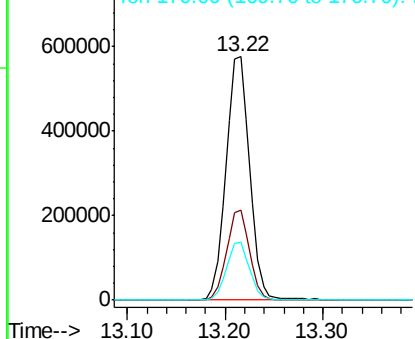


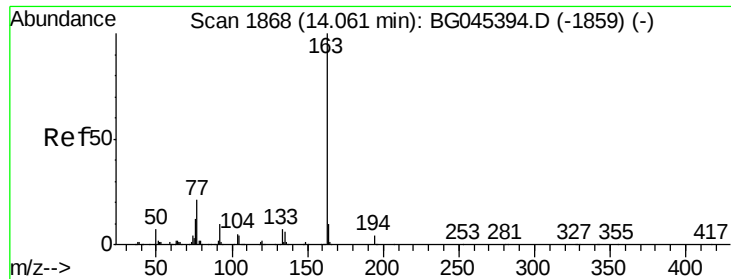
Abundance

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: 6.823 ng

RT: 14.04 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG045645.D

Acq: 8 Jun 2020 16:55

Instrument :

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ClientSampleId :

EB6420

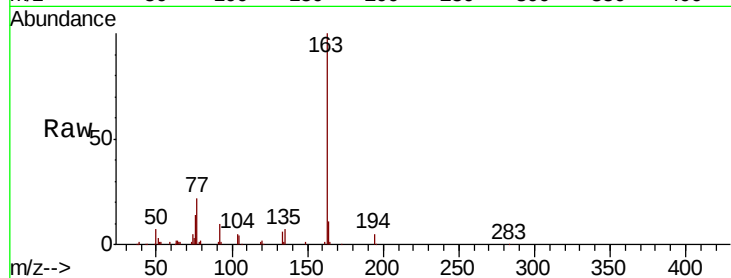
Tot Ion:163 Resp: 74790

Ion Ratio Lower Upper

163 100

194 4.6 3.2 4.8

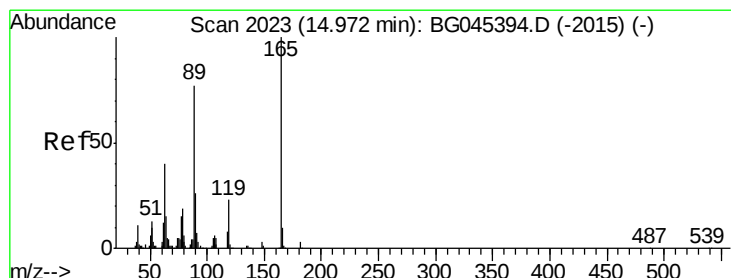
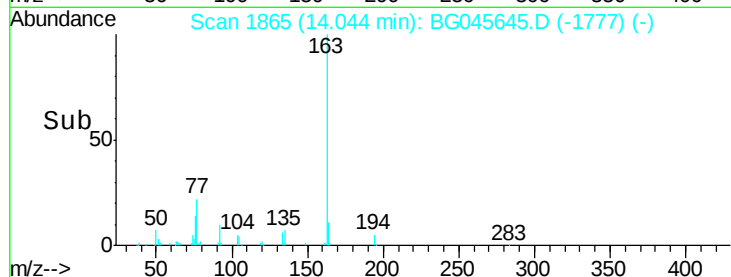
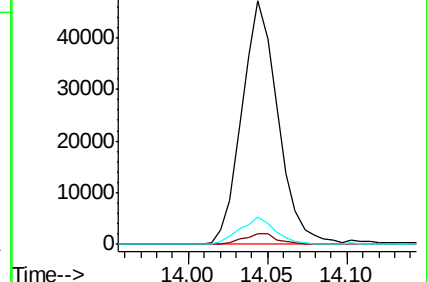
164 11.3 8.3 12.5



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: 5.808 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.37 min

Lab File: BG045645.D

Acq: 8 Jun 2020 16:55

Tgt Ion:165 Resp: 20806

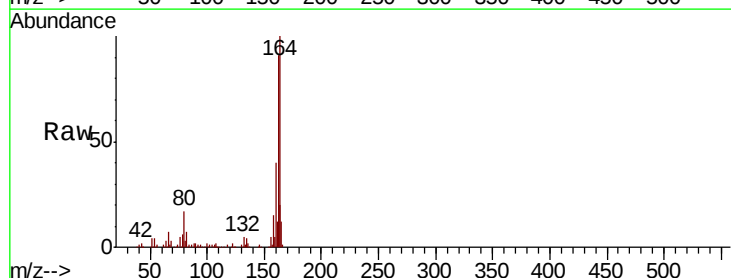
Ion Ratio Lower Upper

165 100

63 1.6 32.5 48.7#

89 2.2 61.8 92.6#

182 0.0 2.3 3.5#

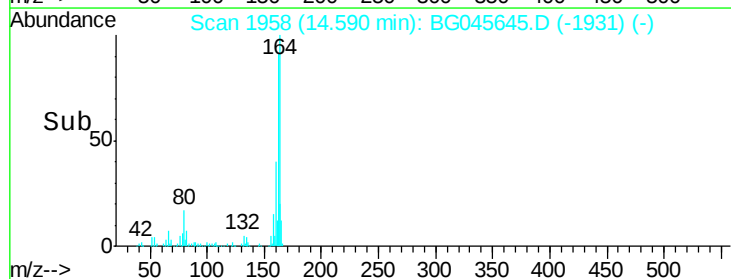
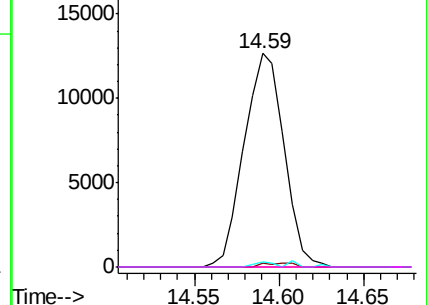


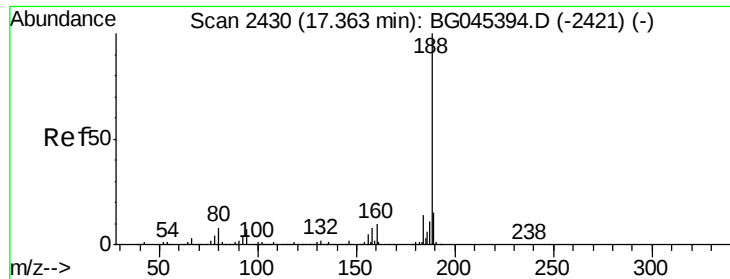
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG045645.D

Acq: 8 Jun 2020 16:55

Instrument :

BNA_G

ClientSampleId :

EB6420

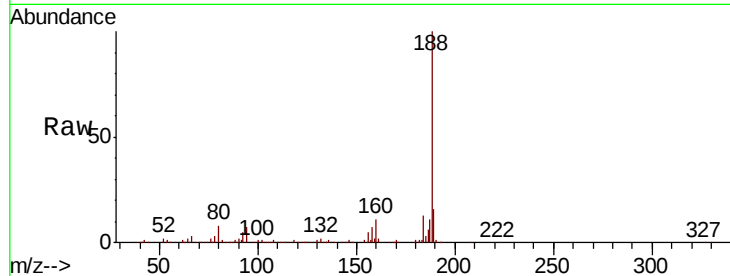
Tot Ion:188 Resp: 363693

Ion Ratio Lower Upper

188 100

94 7.2 5.5 8.3

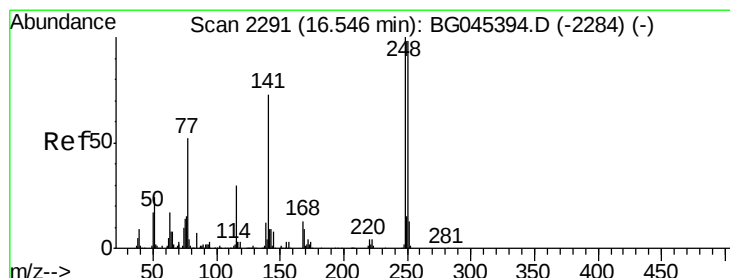
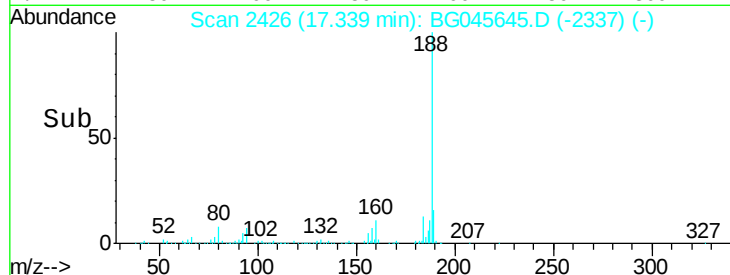
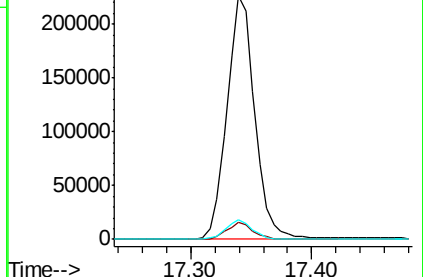
80 8.0 6.6 10.0



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: 5.593 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.45 min

Lab File: BG045645.D

Acq: 8 Jun 2020 16:55

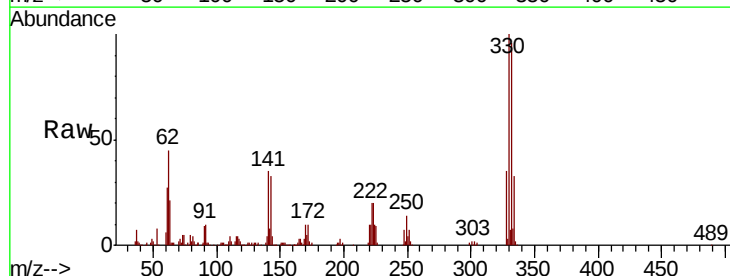
Tgt Ion:248 Resp: 22026

Ion Ratio Lower Upper

248 100

250 192.4 78.6 117.8#

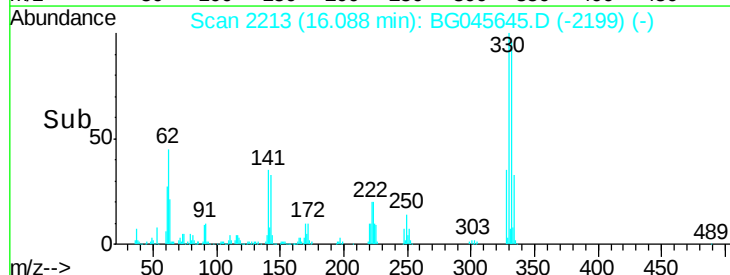
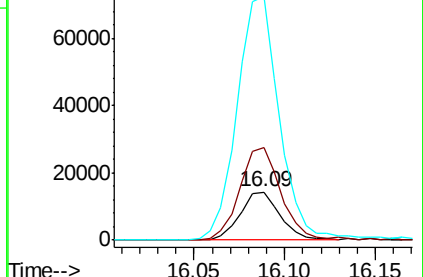
141 504.0 58.2 87.2#

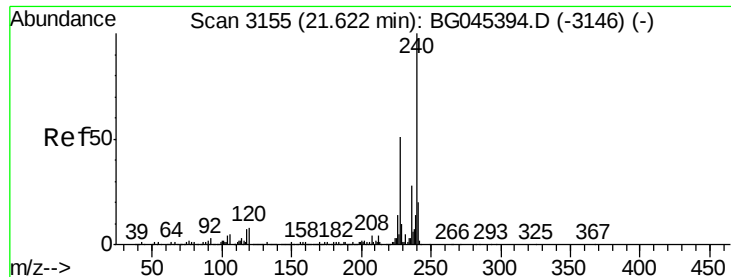


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3151

Delta R.T. -0.01 min

Lab File: BG045645.D

Acq: 8 Jun 2020 16:55

Instrument :

BNA_G

ClientSampleId :

EB6420

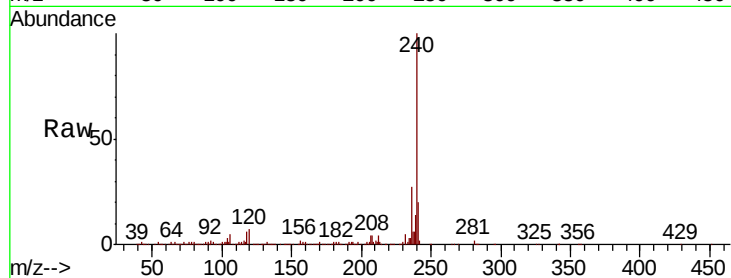
Tot Ion:240 Resp: 365312

Ion Ratio Lower Upper

240 100

120 6.7 6.1 9.1

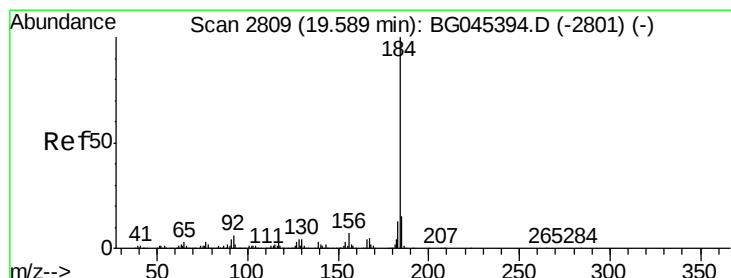
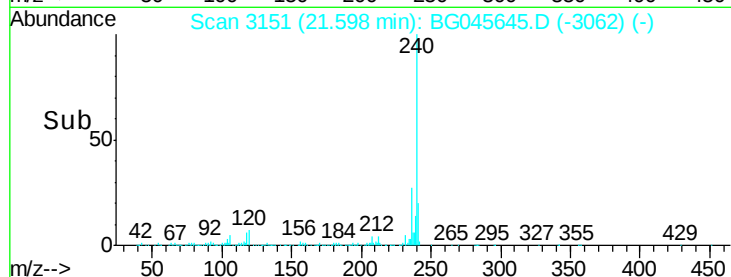
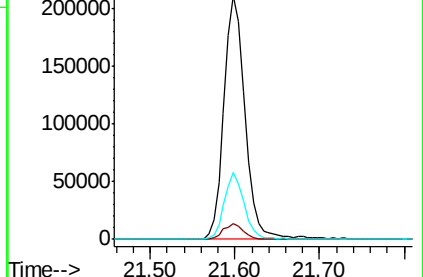
236 27.3 22.3 33.5



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: 3.566 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045645.D

Acq: 8 Jun 2020 16:55

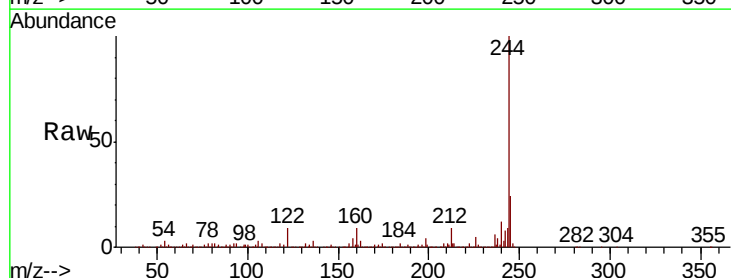
Tgt Ion:184 Resp: 36591

Ion Ratio Lower Upper

184 100

185 16.6 11.7 17.5

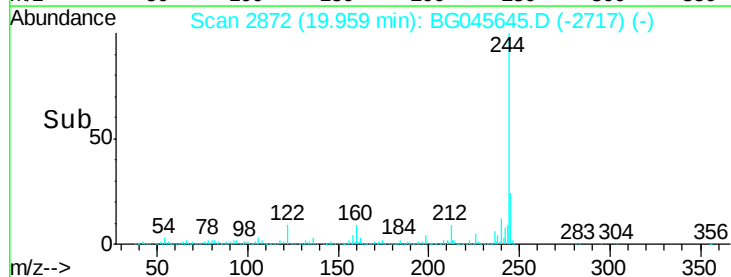
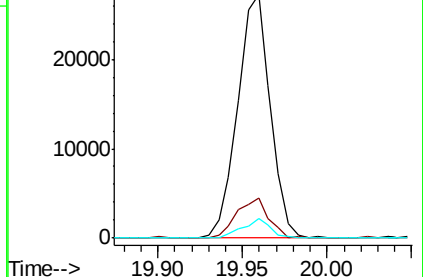
183 7.9 10.2 15.4#

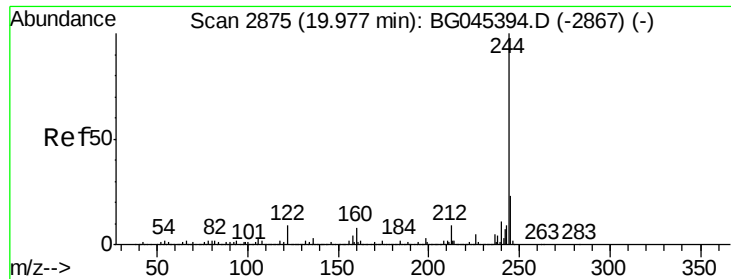


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 119.785 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045645.D

Acq: 8 Jun 2020 16:55

Instrument :

BNA_G

ClientSampleId :

EB6420

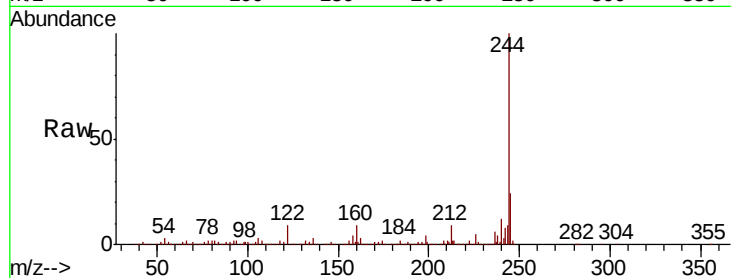
Tot Ion:244 Resp: 1876215

Ion Ratio Lower Upper

244 100

212 9.5 7.4 11.0

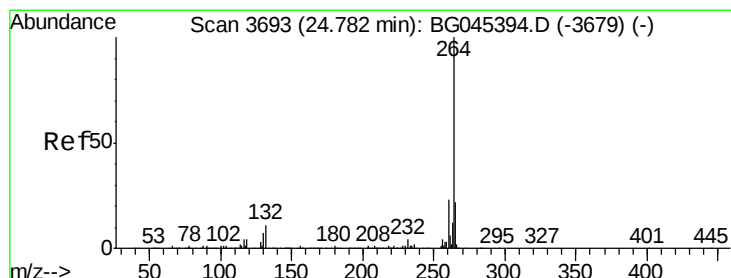
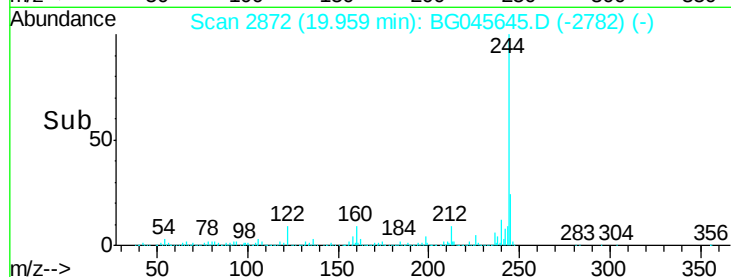
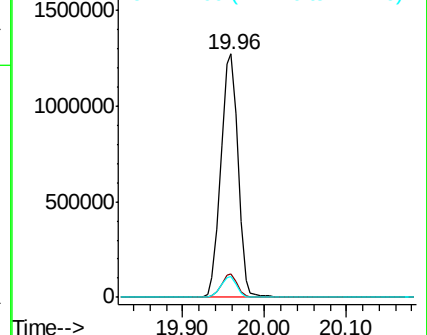
122 8.5 6.8 10.2



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: BG045645.D

Acq: 8 Jun 2020 16:55

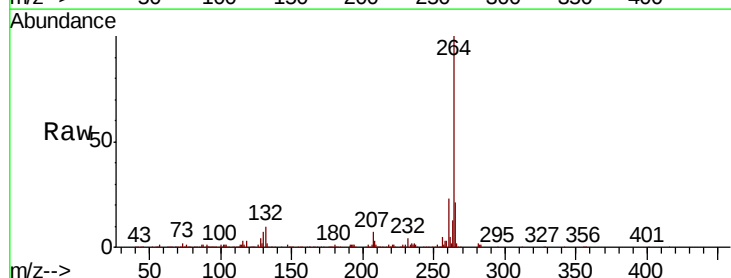
Tgt Ion:264 Resp: 384185

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

