

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060520\
 Data File : BG045613.D
 Acq On : 5 Jun 2020 12:36
 Operator : CG/JU
 Sample : L2773-27RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NM-EB-06RE

Quant Time: Jun 05 13:24:32 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

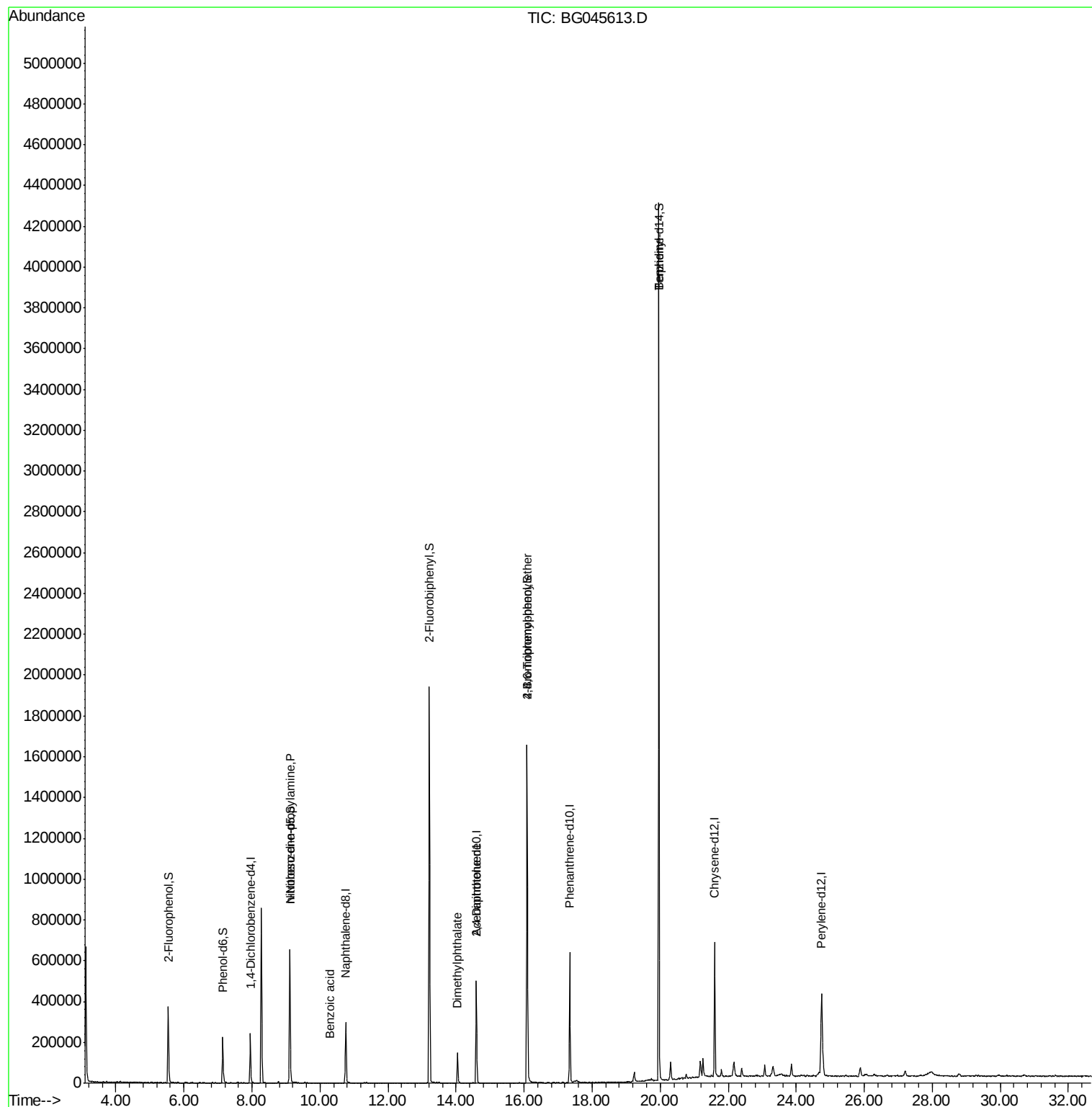
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	71565	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	264436	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	185836	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	432611	20.00	ng	0.00
76) Chrysene-d12	21.60	240	438321	20.00	ng	0.00
87) Perylene-d12	24.75	264	460874	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	187411	51.18	ng	0.00
7) Phenol-d6	7.14	99	156850	30.09	ng	0.00
23) Nitrobenzene-d5	9.12	82	465837	96.06	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	351396	147.85	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1043217	95.22	ng	0.00
79) Terphenyl-d14	19.96	244	2026353	107.82	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	63130	17.516	ng	# 81
32) Benzoic acid	10.28	122	67	10.046	ng	# 1
50) Dimethylphthalate	14.04	163	103645	8.130	ng	99
57) 2,4-Dinitrotoluene	14.60	165	24107	5.786	ng	# 25
67) 4-Bromophenyl-phenylether	16.09	248	23683	5.056	ng	# 1
77) Benzidine	19.96	184	40509	3.291	ng	# 91

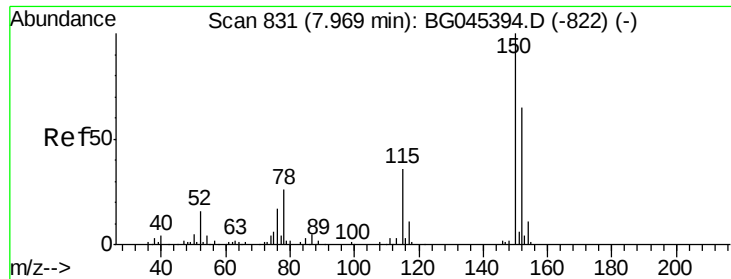
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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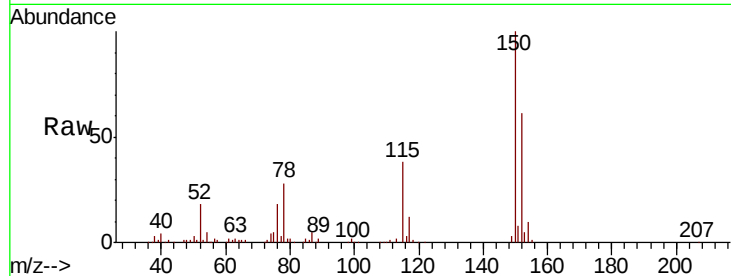


#1

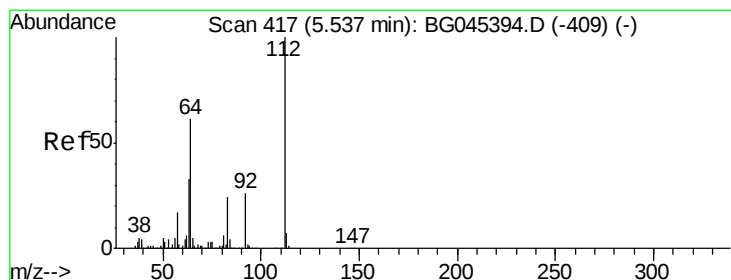
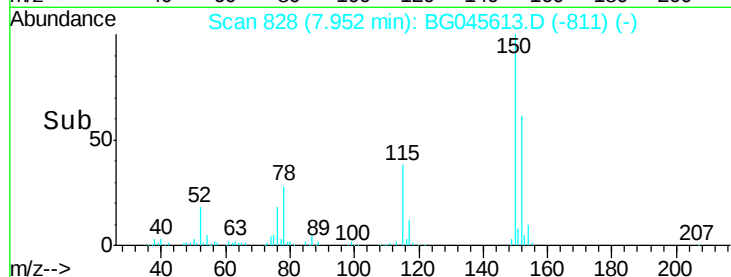
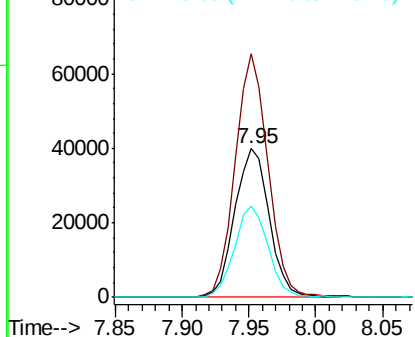
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045613.D
Acq: 5 Jun 2020 12:36

Instrument :
BNA_G
ClientSampleId :
NM-EB-06RE

Tot Ion:152 Resp: 71565
Ion Ratio Lower Upper
152 100
150 163.8 122.4 183.6
115 61.7 44.2 66.4



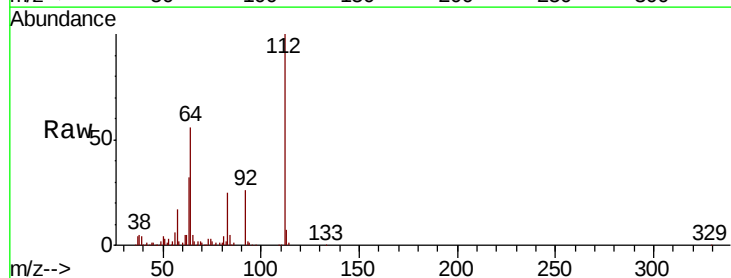
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



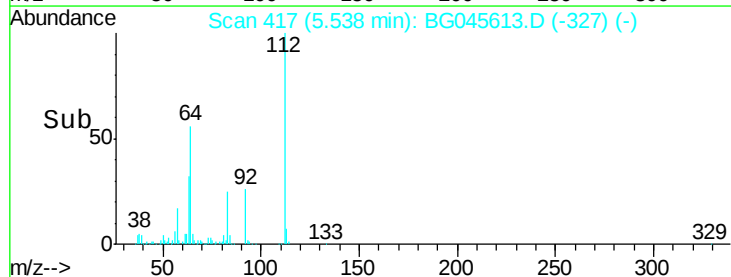
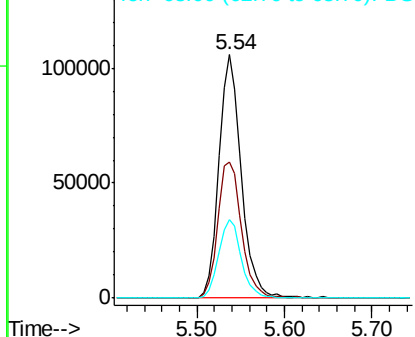
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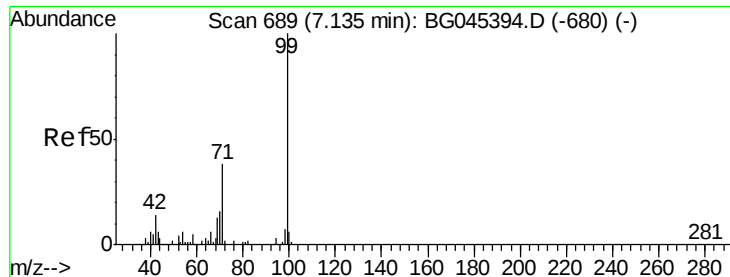
2-Fluorophenol
Concen: 51.178 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045613.D
Acq: 5 Jun 2020 12:36

Tgt Ion:112 Resp: 187411
Ion Ratio Lower Upper
112 100
64 55.8 48.6 72.8
63 32.5 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: 30.094 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045613.D

Acq: 5 Jun 2020 12:36

Instrument :

BNA_G

ClientSampled :

NM-EB-06RE

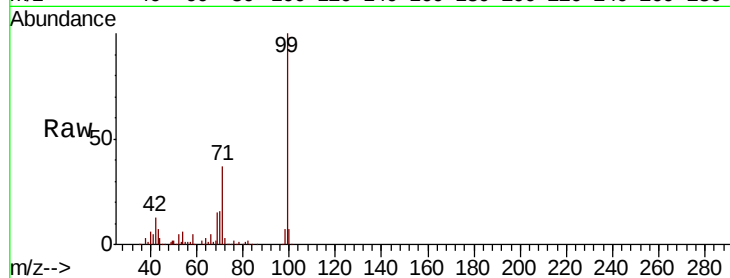
Tot Ion: 99 Resp: 156850

Ion Ratio Lower Upper

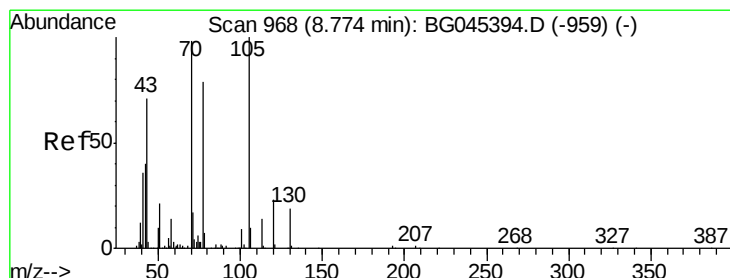
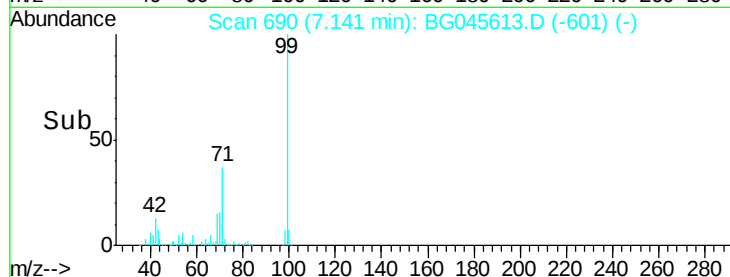
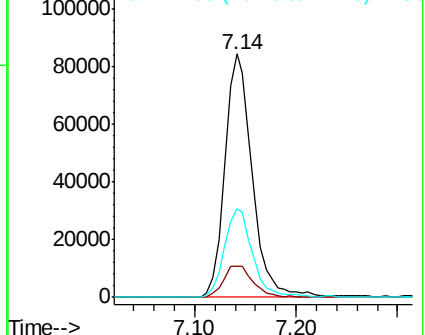
99 100

42 12.7 11.3 16.9

71 36.6 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: 17.516 ng

RT: 9.11 min Scan# 1025

Delta R.T. 0.35 min

Lab File: BG045613.D

Acq: 5 Jun 2020 12:36

Tgt Ion: 70 Resp: 63130

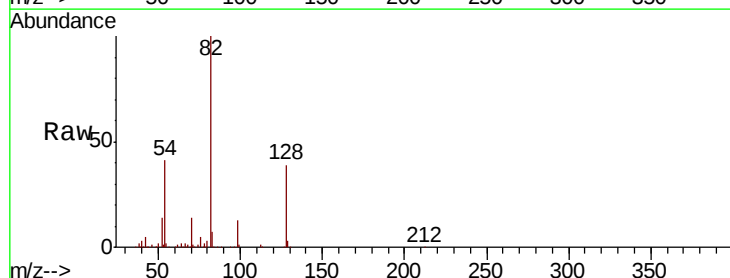
Ion Ratio Lower Upper

70 100

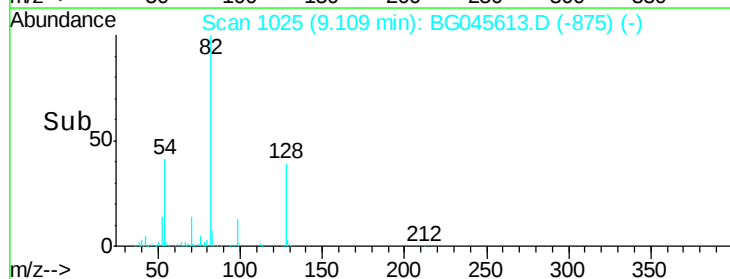
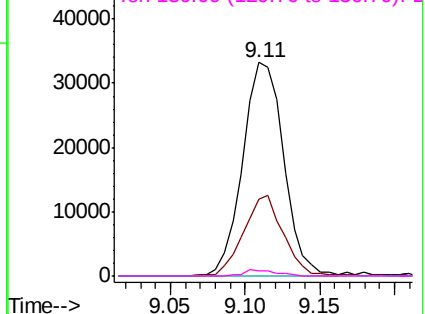
42 35.8 33.2 49.8

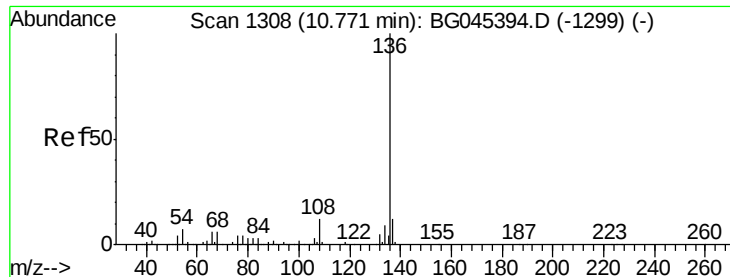
101 0.0 7.8 11.6#

130 2.2 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

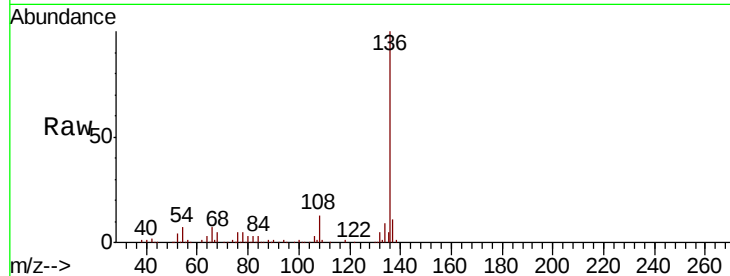




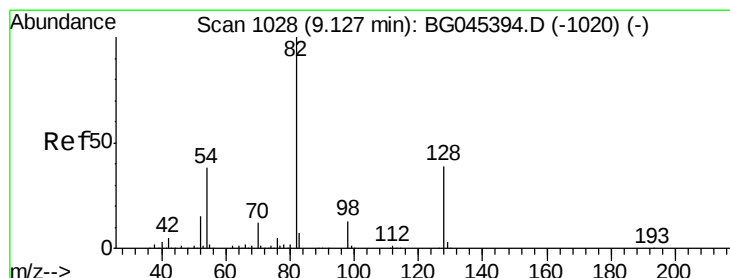
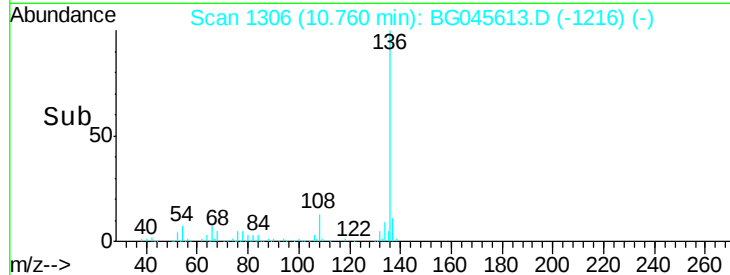
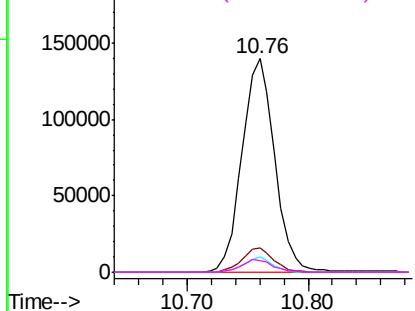
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BG045613.D
Acq: 5 Jun 2020 12:36

Instrument :
BNA_G
ClientSampleId :
NM-EB-06RE

Tot Ion:136	Resp:	264436	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	9.4	14.2	
54 7.0	5.8	8.6	
68 5.1	4.5	6.7	

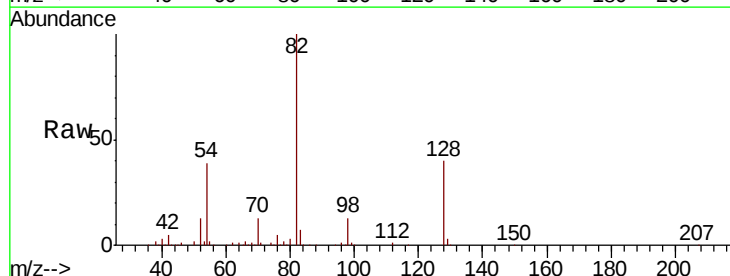


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

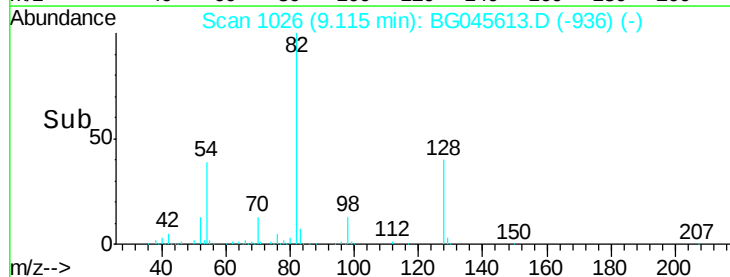
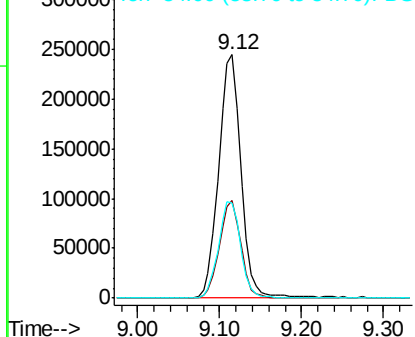


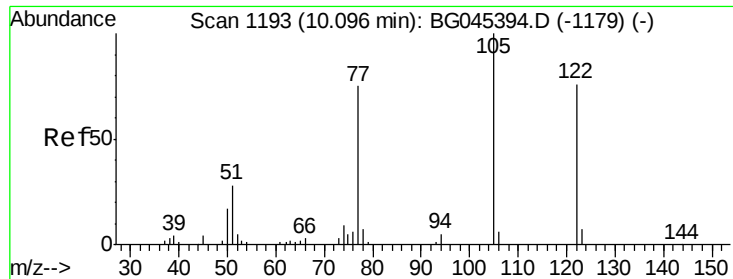
#23
Nitrobenzene-d5
Concen: 96.064 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BG045613.D
Acq: 5 Jun 2020 12:36

Tgt Ion: 82	Resp: 465837
Ion Ratio	Lower Upper
82 100	
128 40.4	30.9 46.3
54 39.0	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: 10.28 min Scan# 1225

Delta R.T. 0.17 min

Lab File: BG045613.D

Acq: 5 Jun 2020 12:36

Instrument :

BNA_G

ClientSampleId :

NM-EB-06RE

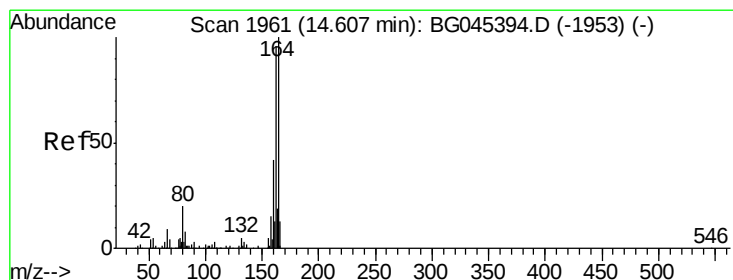
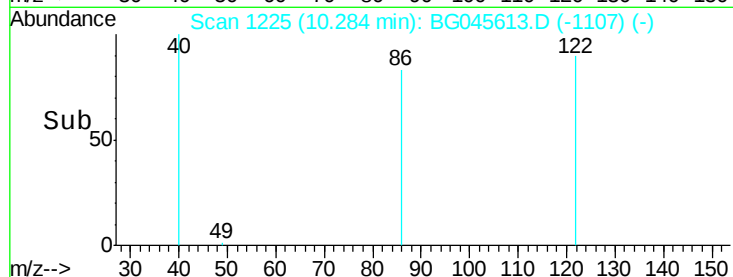
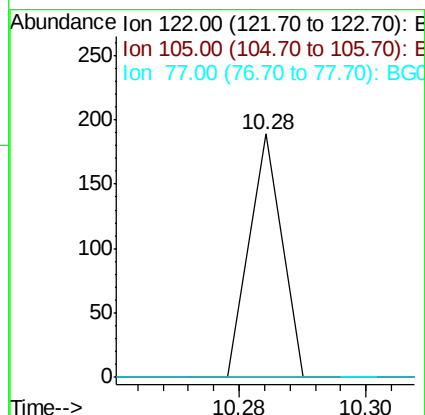
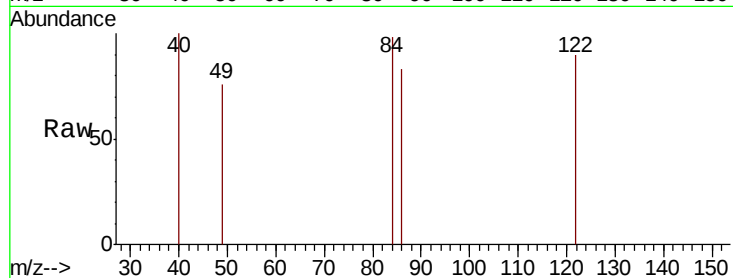
Tot Ion:122 Resp: 67

Ion Ratio Lower Upper

122 100

105 0.0 107.9 147.9#

77 0.0 78.9 118.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BG045613.D

Acq: 5 Jun 2020 12:36

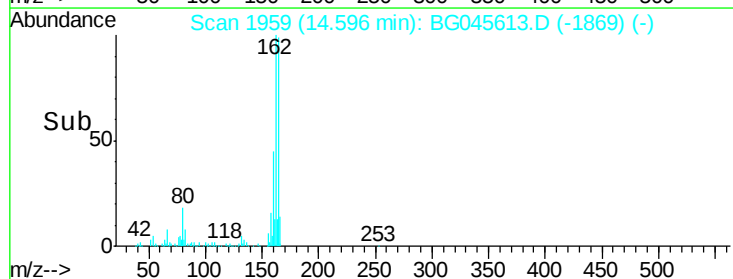
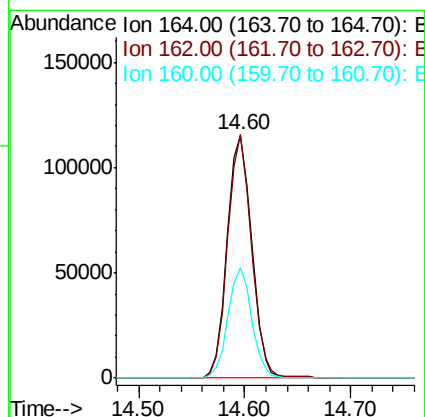
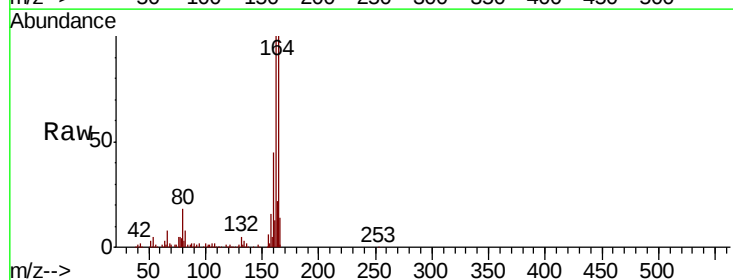
Tgt Ion:164 Resp: 185836

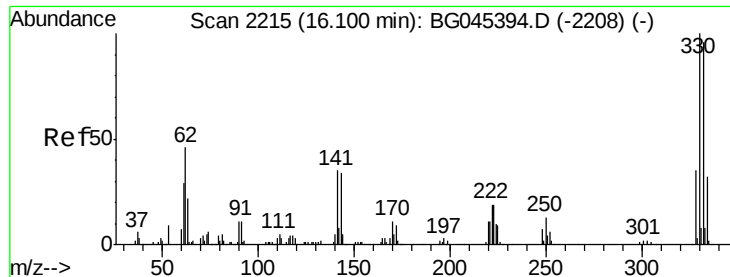
Ion Ratio Lower Upper

164 100

162 100.3 76.9 115.3

160 45.3 33.8 50.8





#42

2,4,6-Tribromophenol

Concen: 147.855 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BG045613.D

Acq: 5 Jun 2020 12:36

Instrument :

BNA_G

ClientSampleId :

NM-EB-06RE

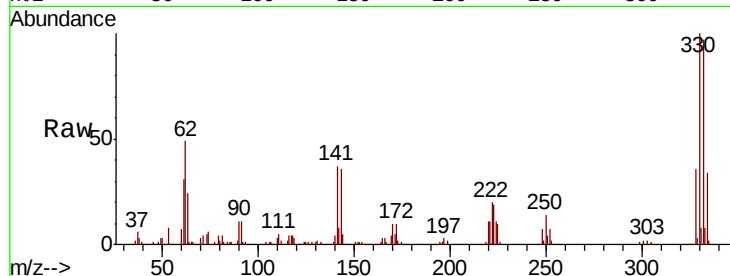
Tot Ion:330 Resp: 351396

Ion Ratio Lower Upper

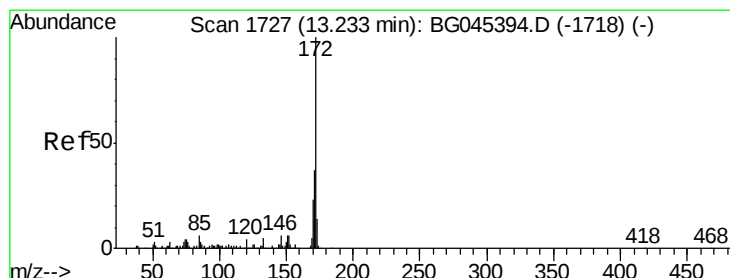
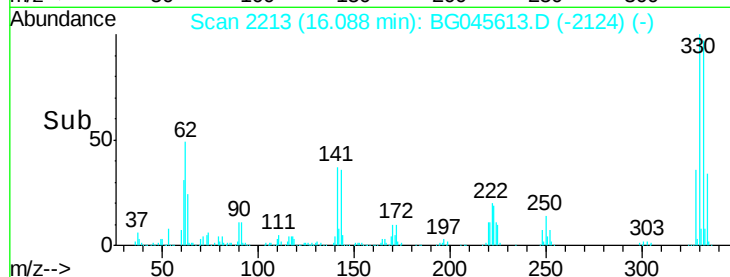
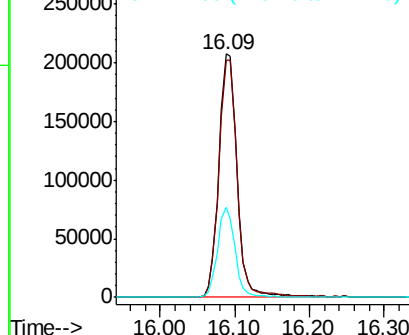
330 100

332 97.9 78.2 117.4

141 35.6 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: 95.219 ng

RT: 13.22 min Scan# 1724

Delta R.T. 0.00 min

Lab File: BG045613.D

Acq: 5 Jun 2020 12:36

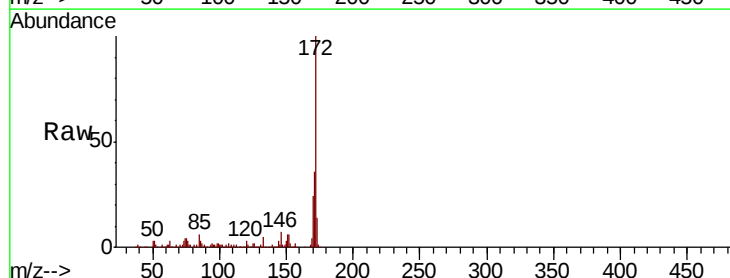
Tgt Ion:172 Resp: 1043217

Ion Ratio Lower Upper

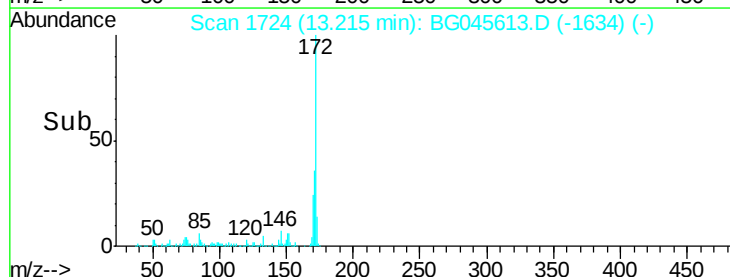
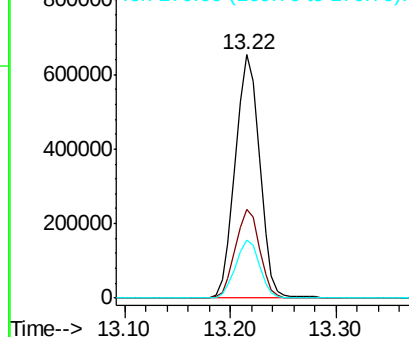
172 100

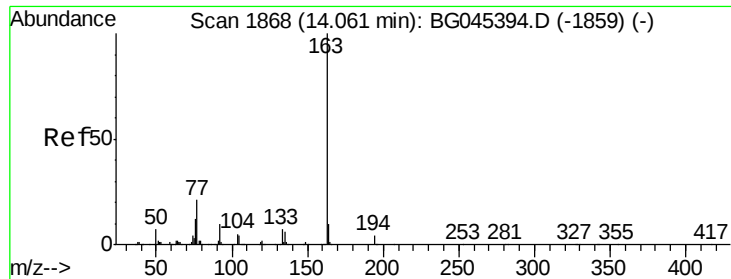
171 36.4 29.5 44.3

170 23.8 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: 8.130 ng

RT: 14.04 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG045613.D

Acq: 5 Jun 2020 12:36

Instrument :

BNA_G

ClientSampleId :

NM-EB-06RE

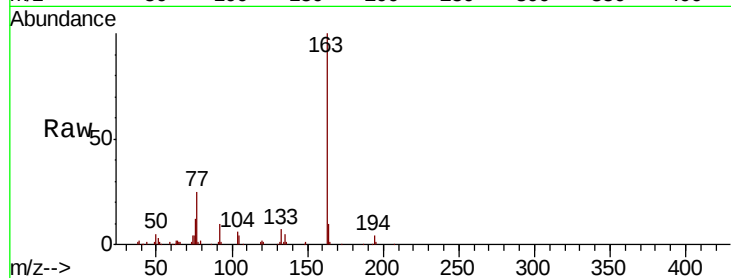
Tot Ion:163 Resp: 103645

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

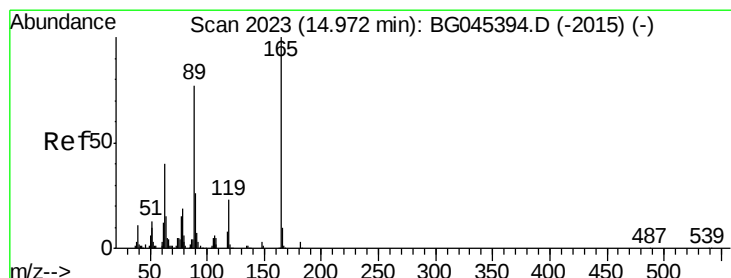
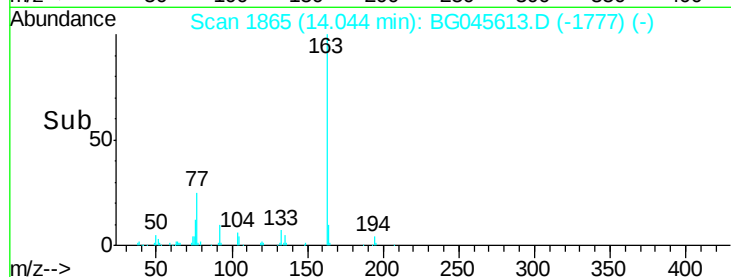
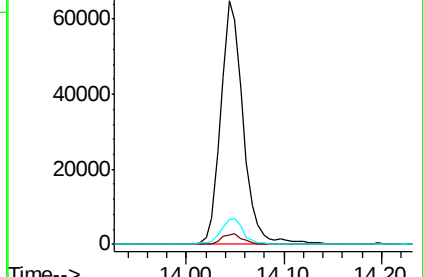
164 10.0 8.3 12.5



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: 5.786 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.36 min

Lab File: BG045613.D

Acq: 5 Jun 2020 12:36

Tgt Ion:165 Resp: 24107

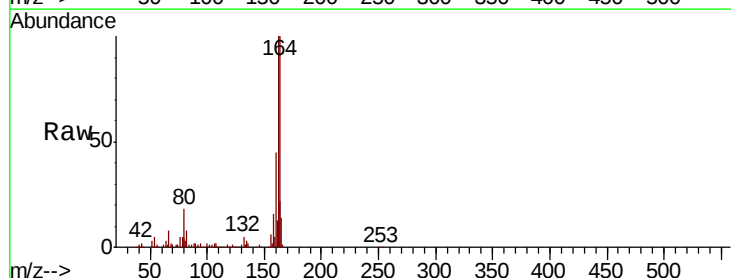
Ion Ratio Lower Upper

165 100

63 2.9 32.5 48.7#

89 3.3 61.8 92.6#

182 0.0 2.3 3.5#

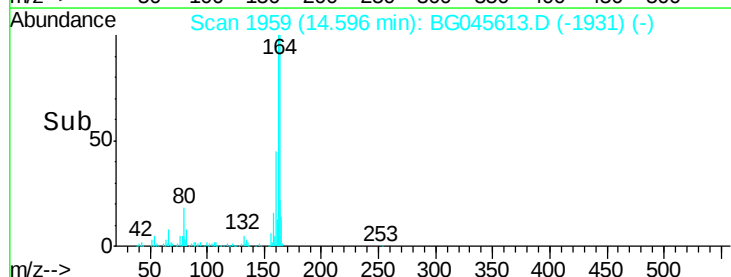
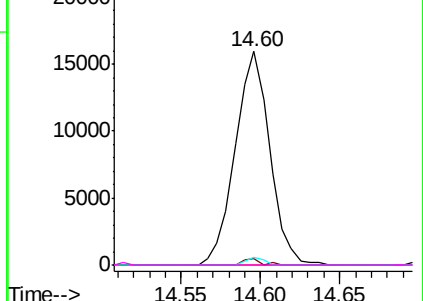


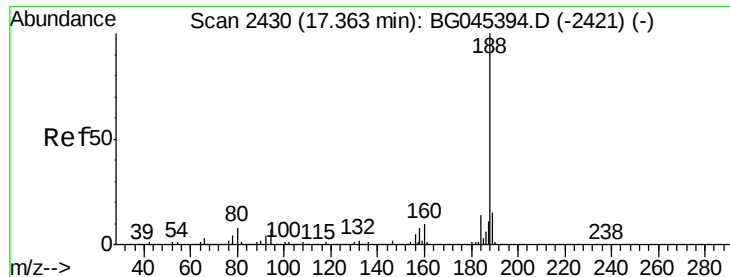
Abundance Ion 165.00 (164.70 to 165.70): E

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

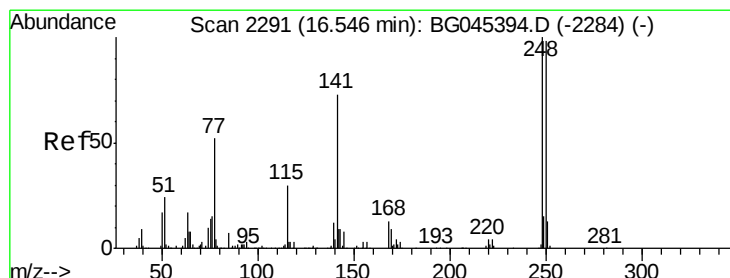
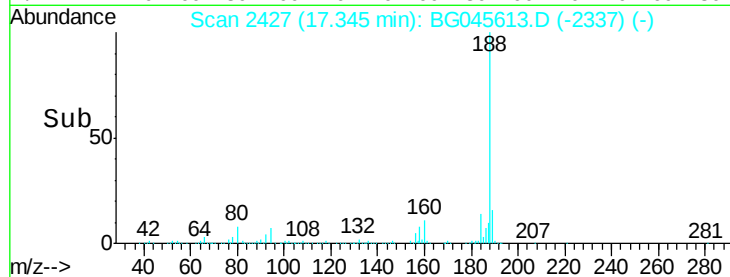
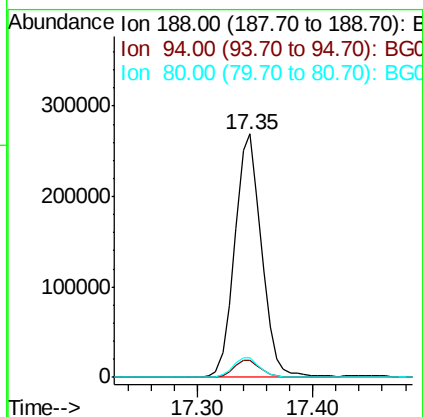
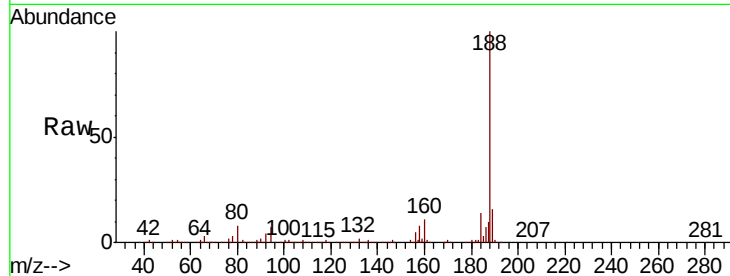




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.35 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BG045613.D
Acq: 5 Jun 2020 12:36

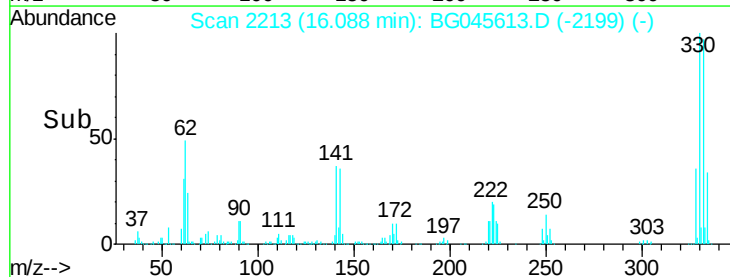
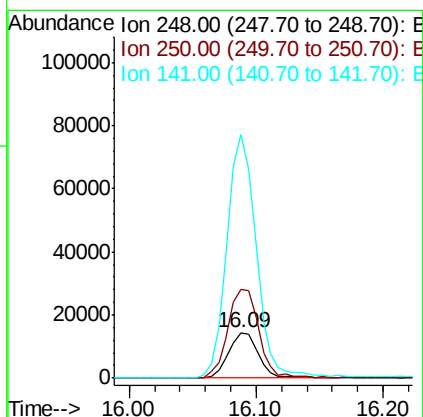
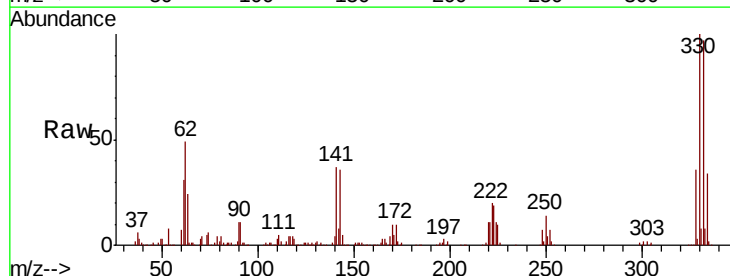
Instrument :
BNA_G
ClientSampleId :
NM-EB-06RE

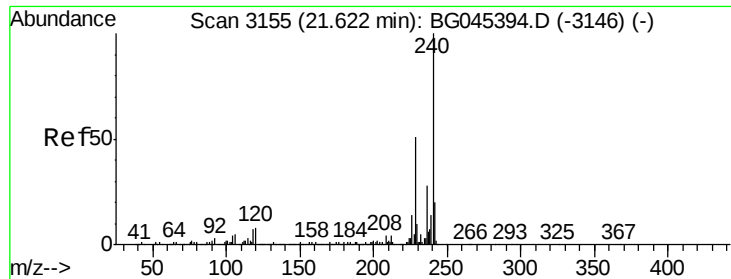
Tot Ion:188 Resp: 432611
Ion Ratio Lower Upper
188 100
94 7.0 5.5 8.3
80 8.1 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 5.056 ng
RT: 16.09 min Scan# 2213
Delta R.T. -0.45 min
Lab File: BG045613.D
Acq: 5 Jun 2020 12:36

Tgt Ion:248 Resp: 23683
Ion Ratio Lower Upper
248 100
250 193.7 78.6 117.8#
141 532.5 58.2 87.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BG045613.D

Acq: 5 Jun 2020 12:36

Instrument :

BNA_G

ClientSampleId :

NM-EB-06RE

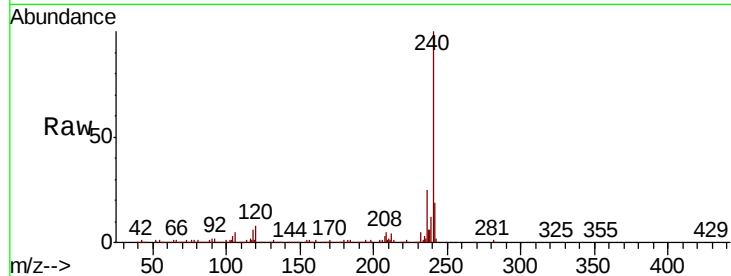
Tot Ion:240 Resp: 438321

Ion Ratio Lower Upper

240 100

120 7.5 6.1 9.1

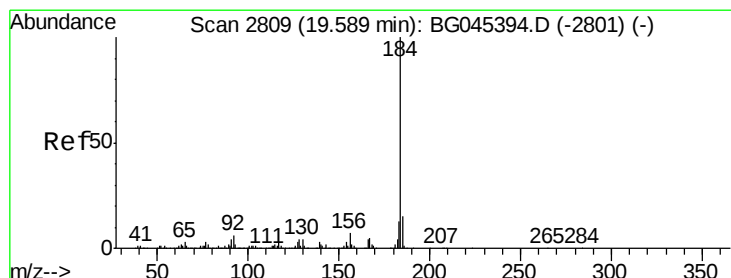
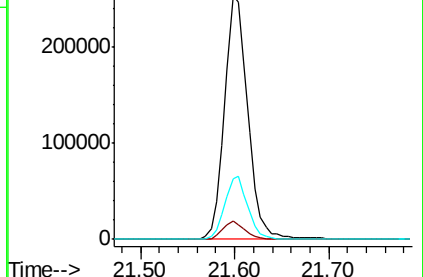
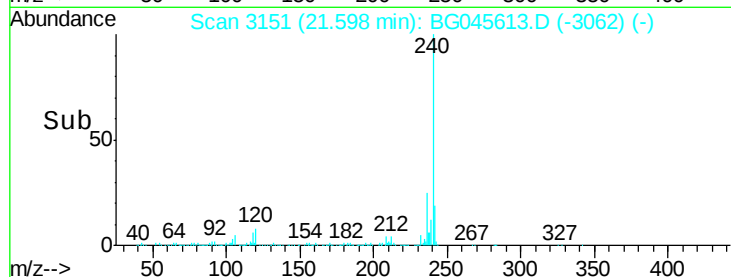
236 24.8 22.3 33.5



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: 3.291 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045613.D

Acq: 5 Jun 2020 12:36

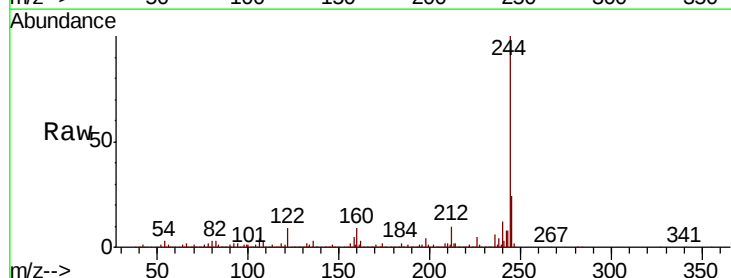
Tgt Ion:184 Resp: 40509

Ion Ratio Lower Upper

184 100

185 16.4 11.7 17.5

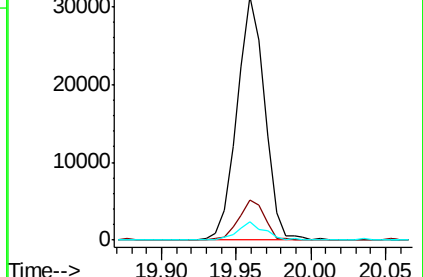
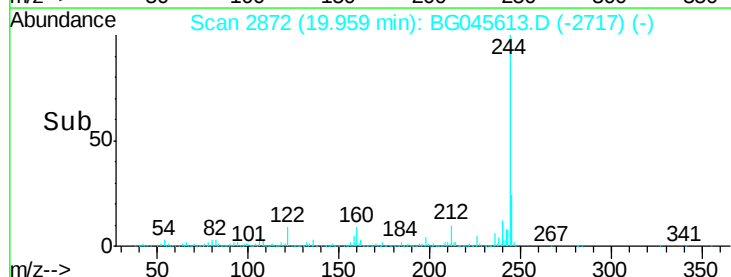
183 7.4 10.2 15.4#

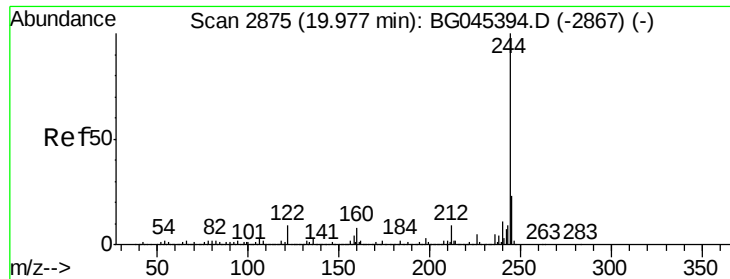


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 107.822 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045613.D

Acq: 5 Jun 2020 12:36

Instrument :

BNA_G

ClientSampleId :

NM-EB-06RE

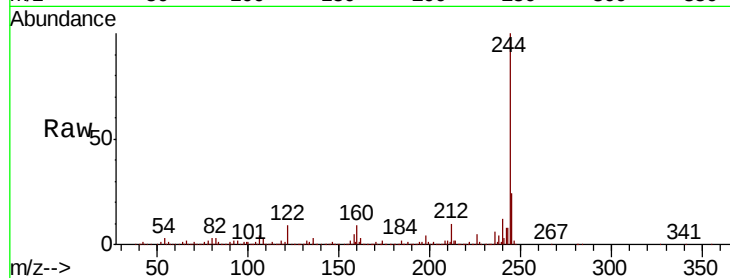
Tot Ion:244 Resp: 2026353

Ion Ratio Lower Upper

244 100

212 9.7 7.4 11.0

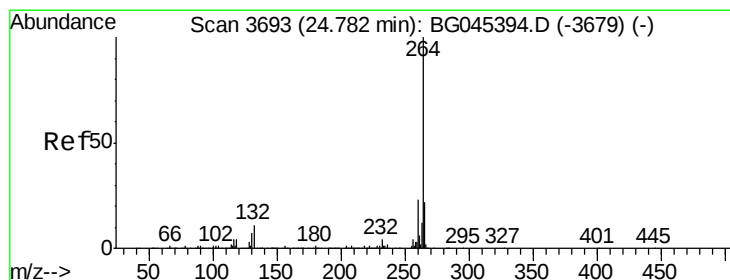
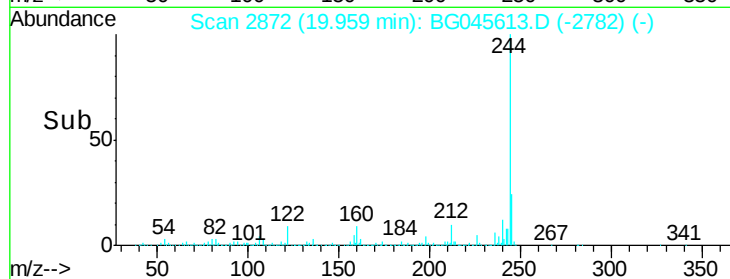
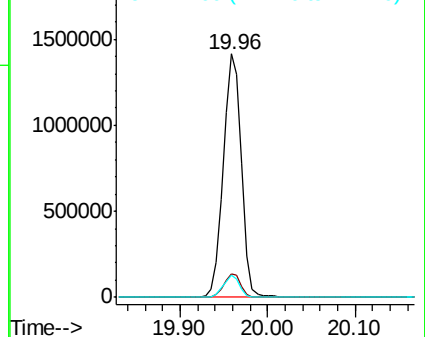
122 9.2 6.8 10.2



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: BG045613.D

Acq: 5 Jun 2020 12:36

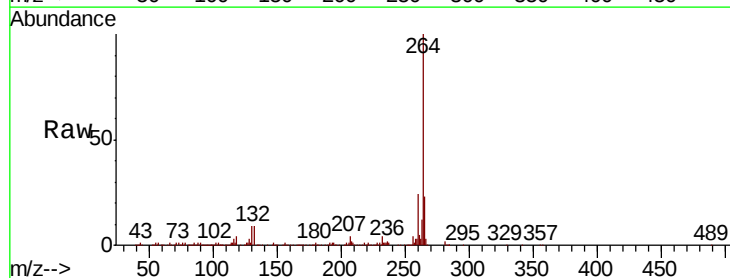
Tgt Ion:264 Resp: 460874

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.4

265 22.6 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

