

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060920\
 Data File : BG045669.D
 Acq On : 9 Jun 2020 18:27
 Operator : CG/JU
 Sample : L2930-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S39-HSVE3-IDW01

Quant Time: Jun 09 19:14:02 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

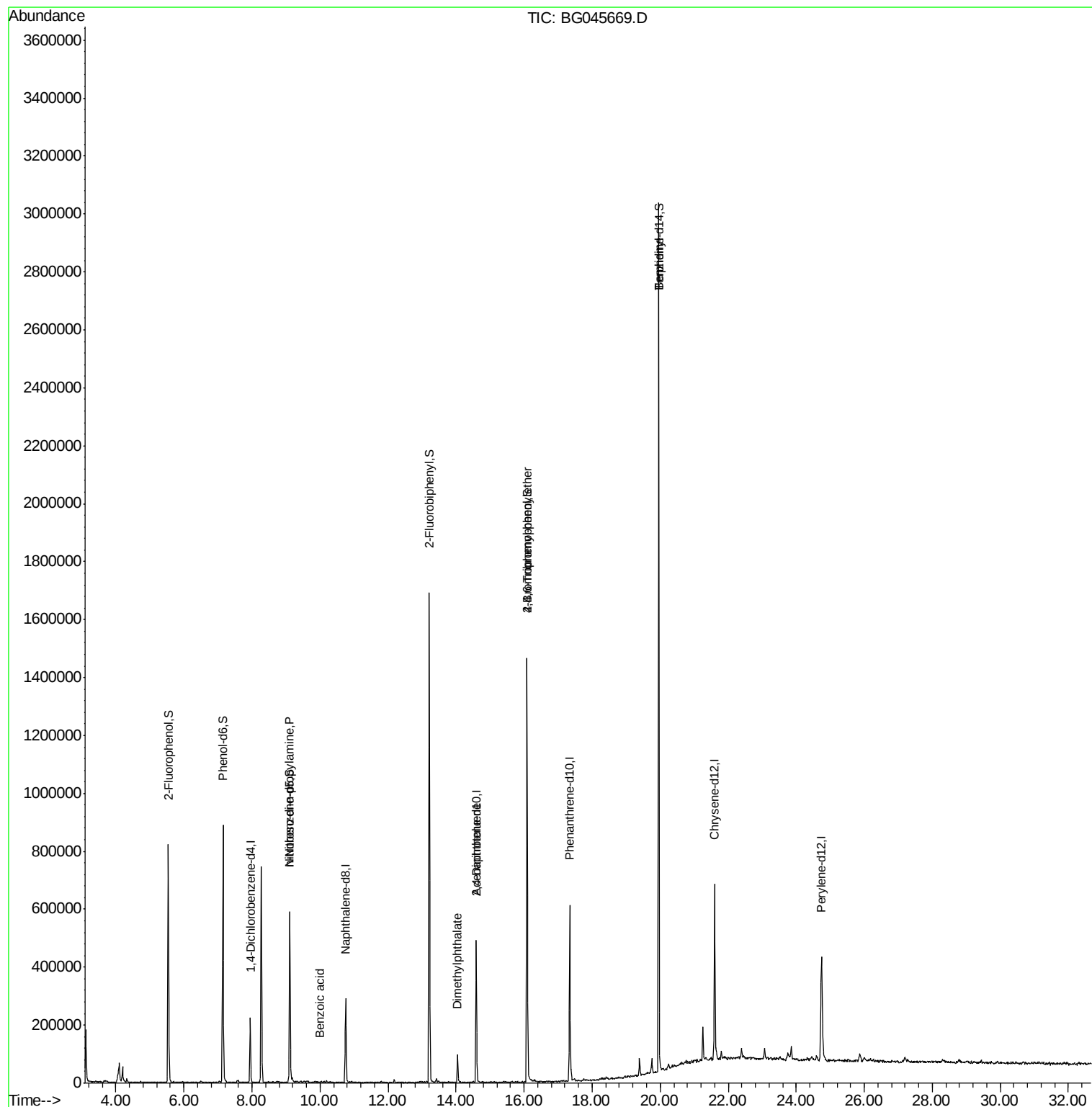
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	66086	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	257216	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	177380	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	412744	20.00	ng	0.00
76) Chrysene-d12	21.60	240	385427	20.00	ng	0.00
87) Perylene-d12	24.75	264	403953	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	394037	116.52	ng	0.00
7) Phenol-d6	7.15	99	593208	123.25	ng	0.00
23) Nitrobenzene-d5	9.11	82	407795	86.46	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	299747	132.14	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	932161	89.14	ng	0.00
79) Terphenyl-d14	19.96	244	1486411	89.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	56836	17.077	ng	# 82
32) Benzoic acid	9.98	122	56	10.043	ng	# 1
50) Dimethylphthalate	14.04	163	63386	5.209	ng	# 99
57) 2,4-Dinitrotoluene	14.59	165	24223	6.091	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	20351	4.553	ng	# 1
77) Benzidine	19.96	184	28392	2.623	ng	# 90

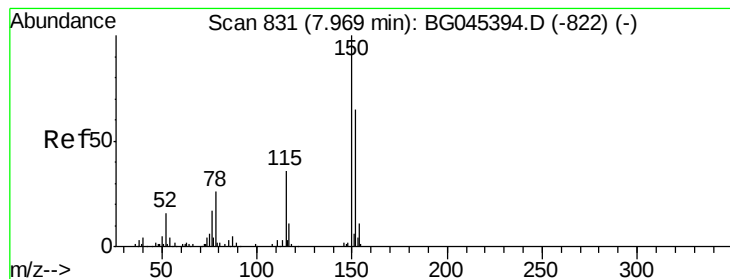
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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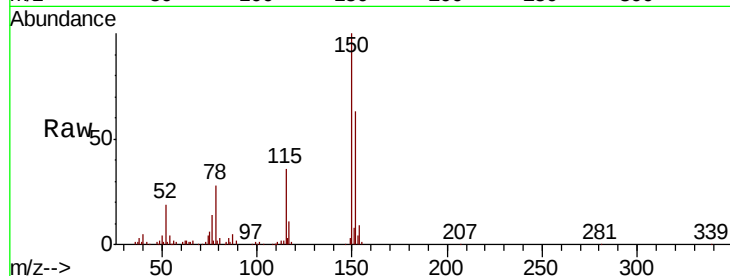


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045669.D
Acq: 9 Jun 2020 18:27

Instrument :
BNA_G
ClientSampleId :
S39-HSVE3-IDW01

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	122.4	183.6
115	56.8	44.2	66.4

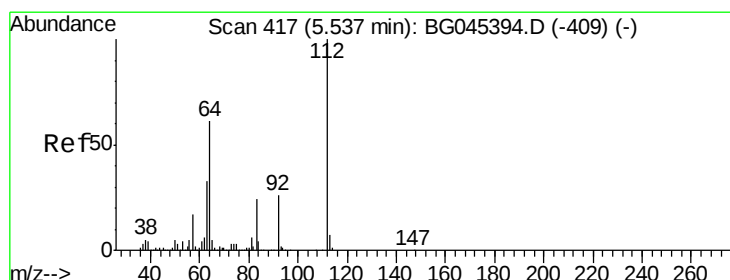
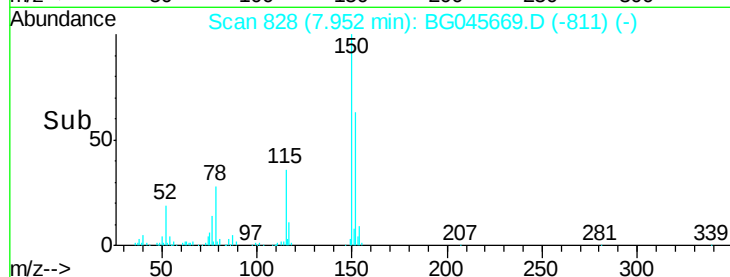
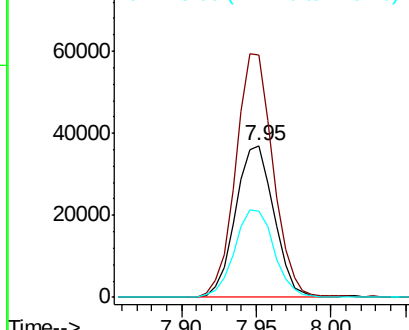


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

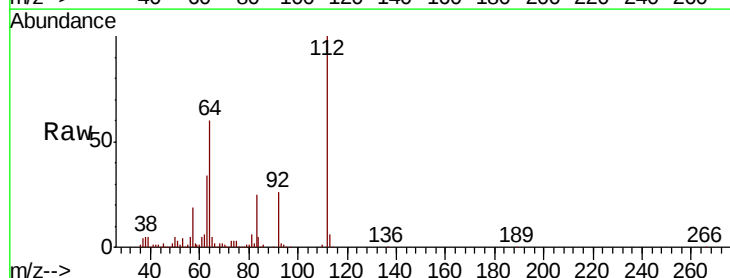
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.525 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045669.D
Acq: 9 Jun 2020 18:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	48.6	72.8
63	33.9	26.5	39.7

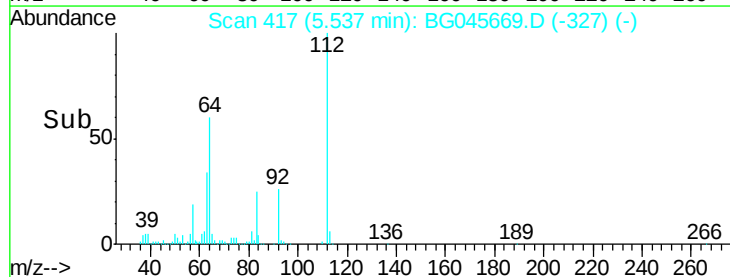
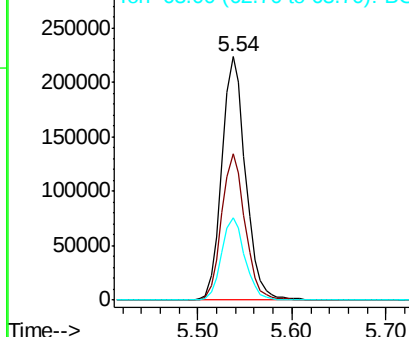


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 123.251 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG045669.D

Acq: 9 Jun 2020 18:27

Instrument :

BNA_G

ClientSampleId :

S39-HSVE3-IDW01

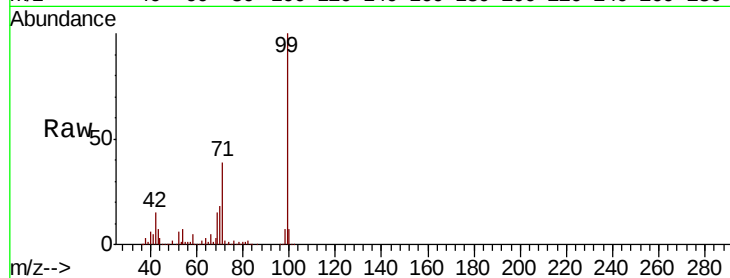
Tot Ion: 99 Resp: 593208

Ion Ratio Lower Upper

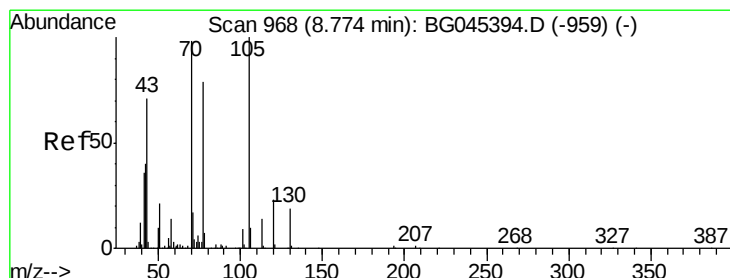
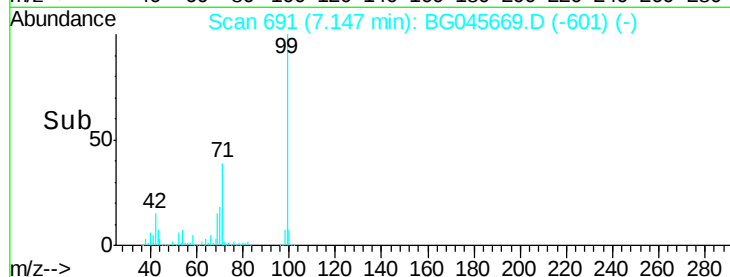
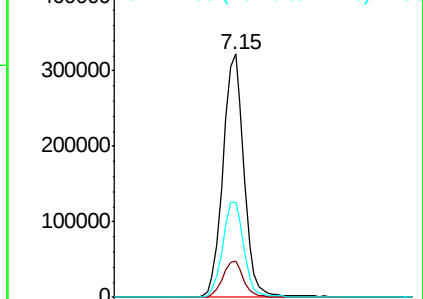
99 100

42 14.9 11.3 16.9

71 39.1 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: 17.077 ng

RT: 9.11 min Scan# 1025

Delta R.T. 0.35 min

Lab File: BG045669.D

Acq: 9 Jun 2020 18:27

Tgt Ion: 70 Resp: 56836

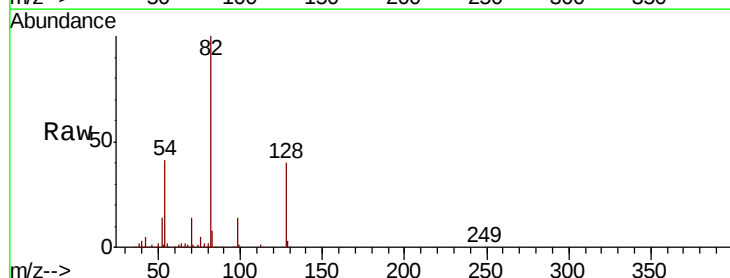
Ion Ratio Lower Upper

70 100

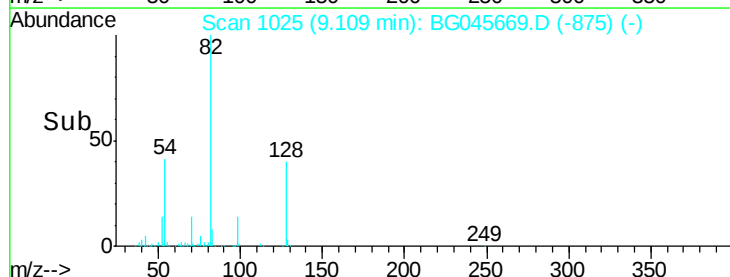
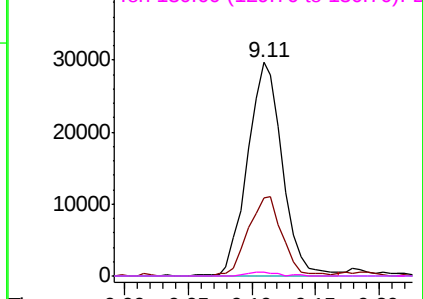
42 36.8 33.2 49.8

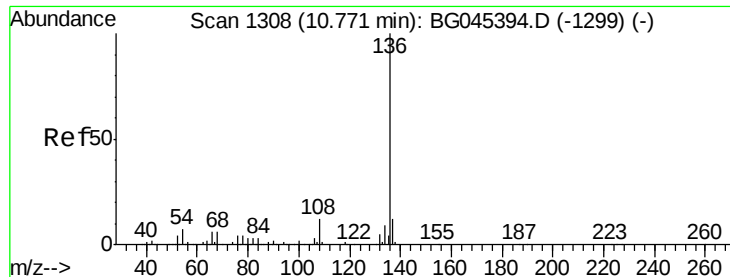
101 0.0 7.8 11.6#

130 2.0 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

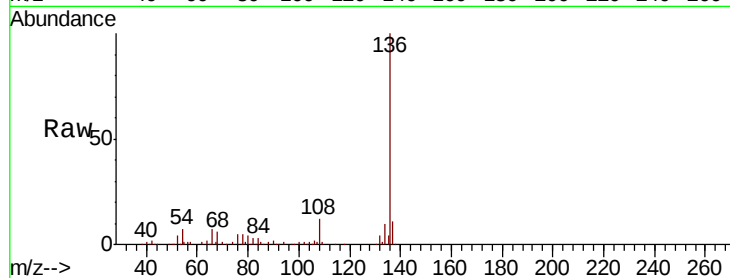




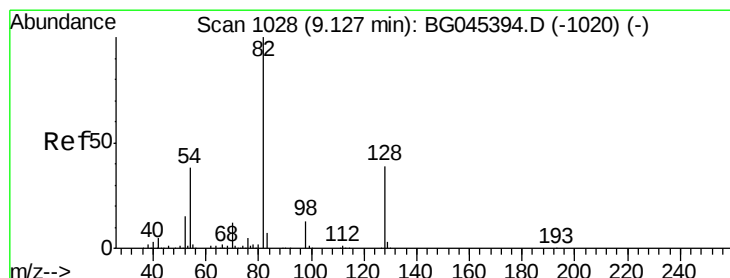
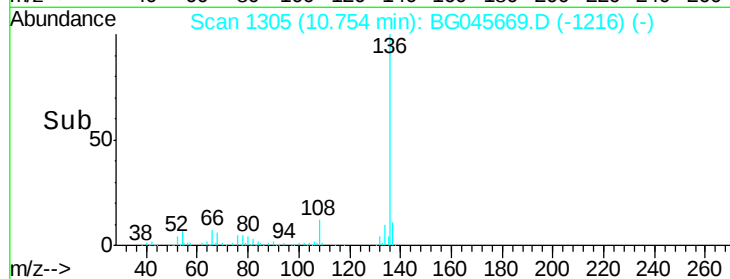
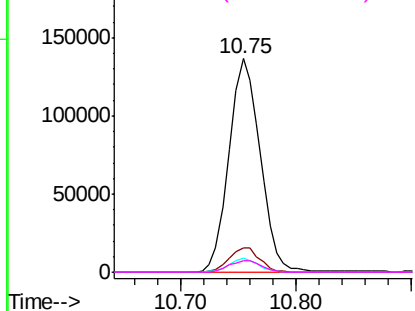
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045669.D
Acq: 9 Jun 2020 18:27

Instrument :
BNA_G
ClientSampleId :
S39-HSVE3-IDW01

Tot Ion:136	Resp: 257216
Ion Ratio	Lower Upper
136 100	
137 11.3	9.4 14.2
54 6.8	5.8 8.6
68 5.5	4.5 6.7

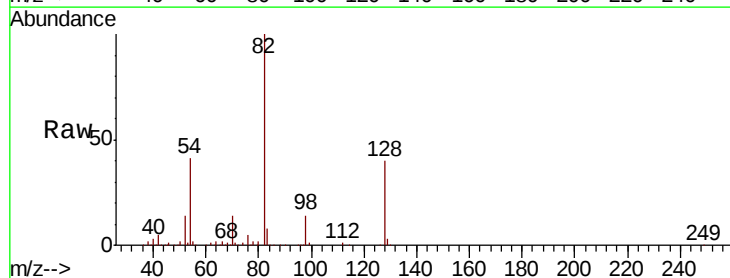


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

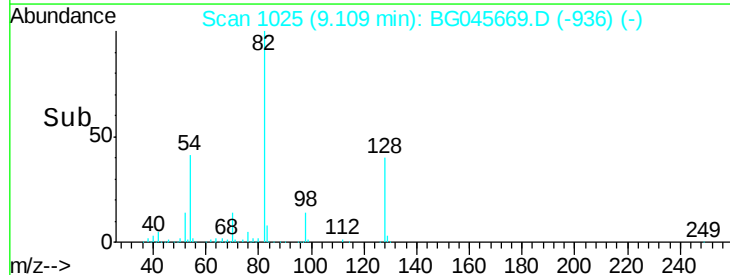
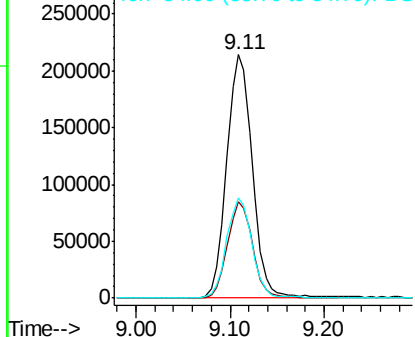


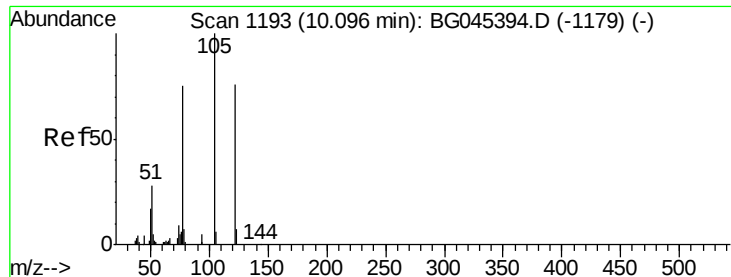
#23
Nitrobenzene-d5
Concen: 86.455 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG045669.D
Acq: 9 Jun 2020 18:27

Tgt	Ion: 82	Resp:	407795
Ion	Ratio	Lower	Upper
82	100		
128	39.8	30.9	46.3
54	41.4	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

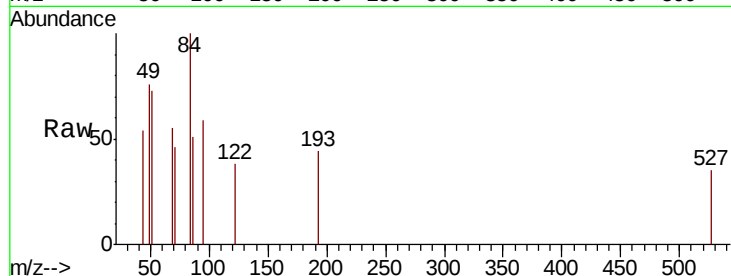




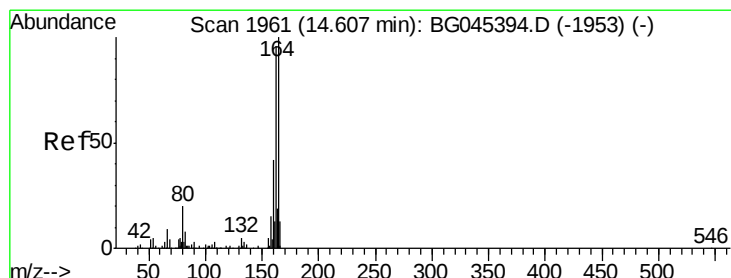
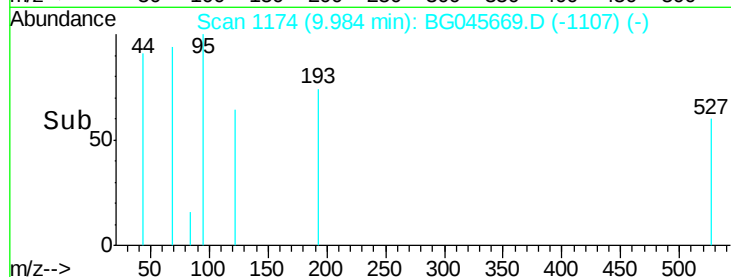
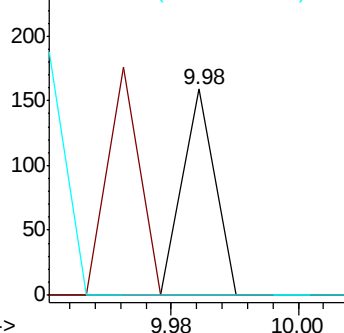
#32
Benzoic acid
Concen: 10.043 ng
RT: 9.98 min Scan# 1174
Delta R.T. -0.13 min
Lab File: BG045669.D
Acq: 9 Jun 2020 18:27

Instrument :
BNA_G
ClientSampleId :
S39-HSVE3-IDW01

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

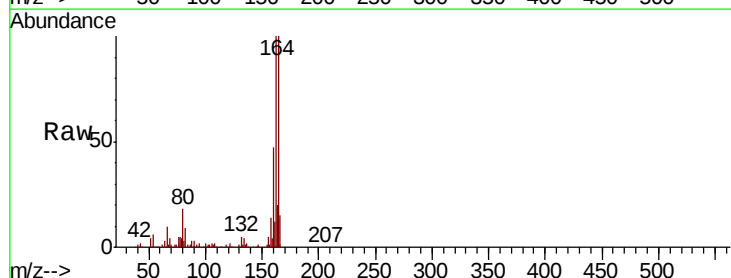


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

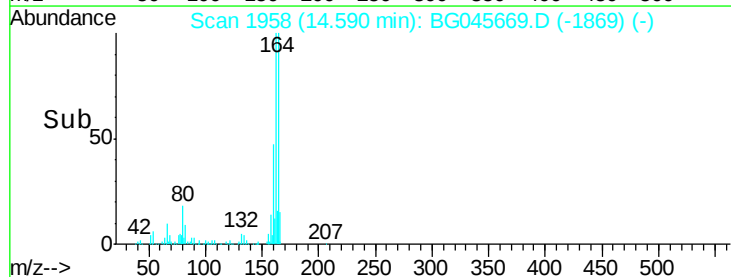
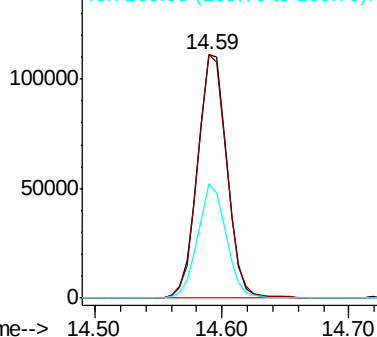


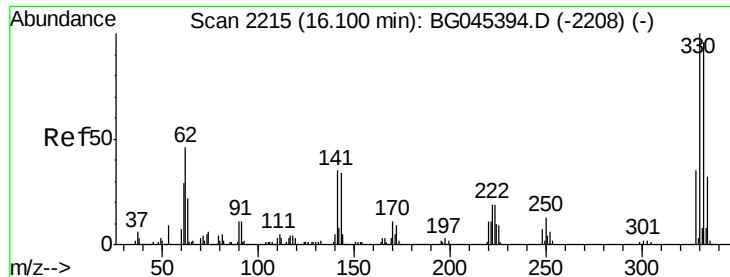
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG045669.D
Acq: 9 Jun 2020 18:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	76.9	115.3
160	46.9	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: 132.135 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BG045669.D

Acq: 9 Jun 2020 18:27

Instrument :

BNA_G

ClientSampleId :

S39-HSVE3-IDW01

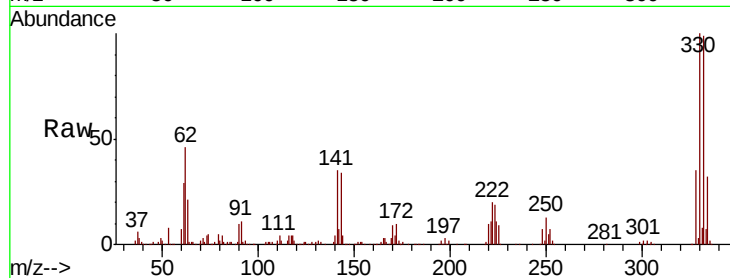
Tot Ion:330 Resp: 299747

Ion Ratio Lower Upper

330 100

332 97.5 78.2 117.4

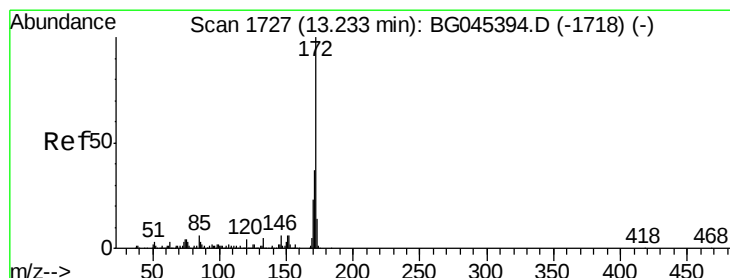
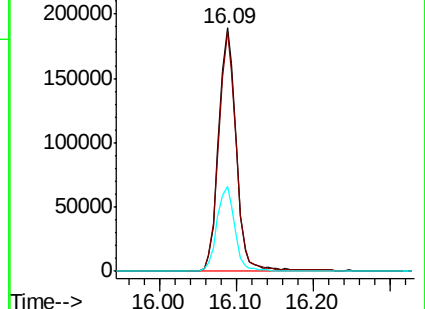
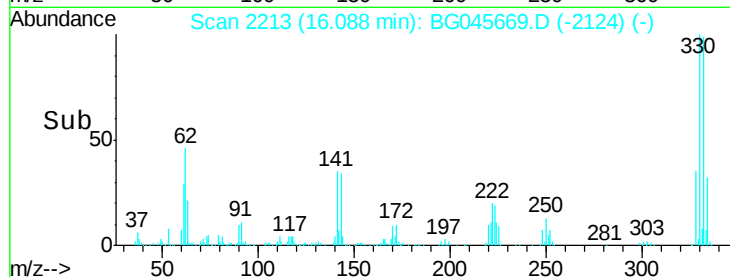
141 34.4 28.2 42.4



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: 89.138 ng

RT: 13.22 min Scan# 1724

Delta R.T. 0.00 min

Lab File: BG045669.D

Acq: 9 Jun 2020 18:27

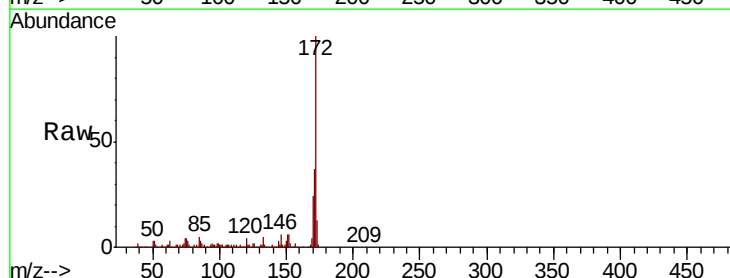
Tgt Ion:172 Resp: 932161

Ion Ratio Lower Upper

172 100

171 37.0 29.5 44.3

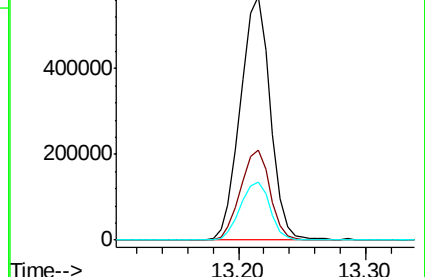
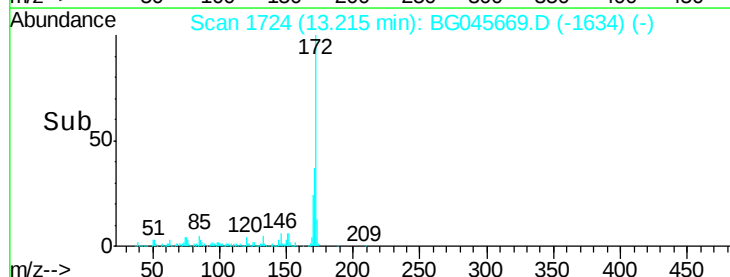
170 24.0 18.5 27.7

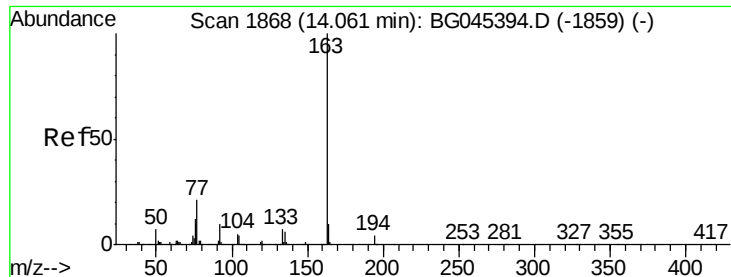


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.209 ng

RT: 14.04 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BG045669.D

Acq: 9 Jun 2020 18:27

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S39-HSVE3-IDW01

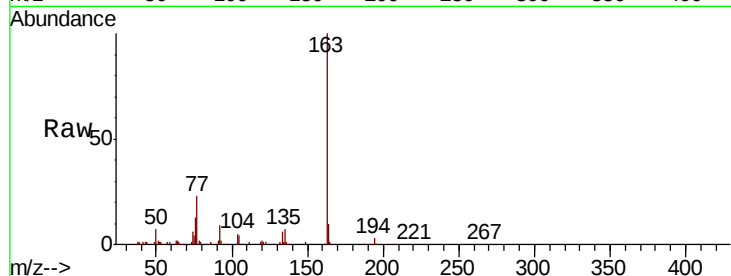
Tot Ion:163 Resp: 63386

Ion Ratio Lower Upper

163 100

194 2.8 3.2 4.8#

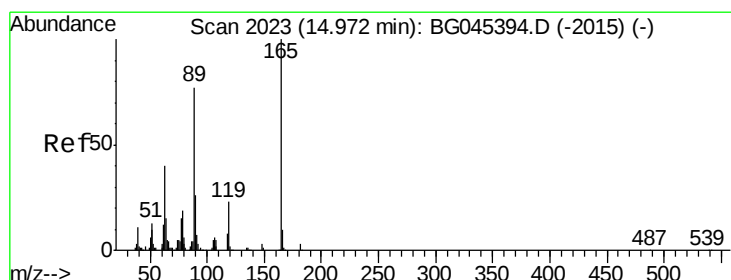
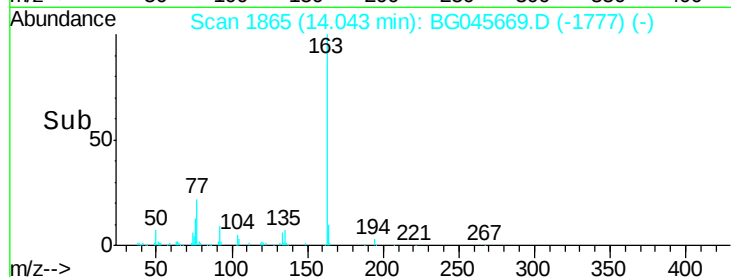
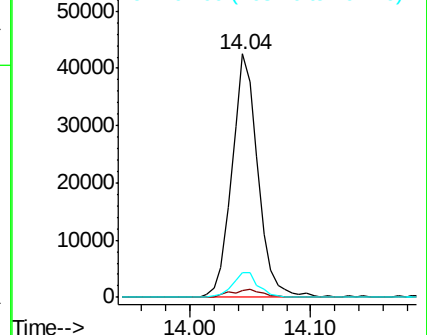
164 10.3 8.3 12.5



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: 6.091 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.37 min

Lab File: BG045669.D

Acq: 9 Jun 2020 18:27

Tgt Ion:165 Resp: 24223

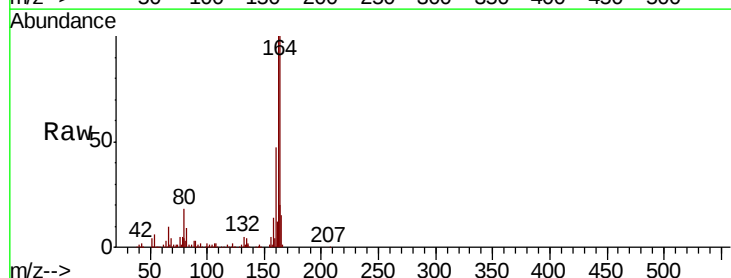
Ion Ratio Lower Upper

165 100

63 2.2 32.5 48.7#

89 1.2 61.8 92.6#

182 0.0 2.3 3.5#

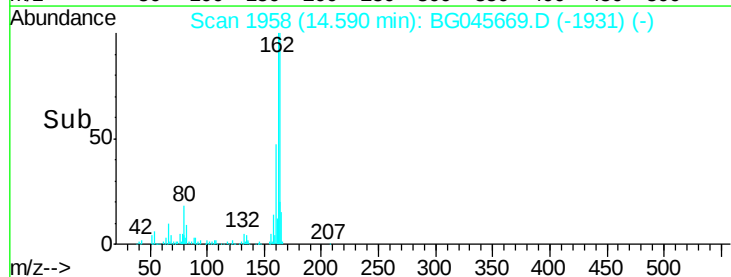
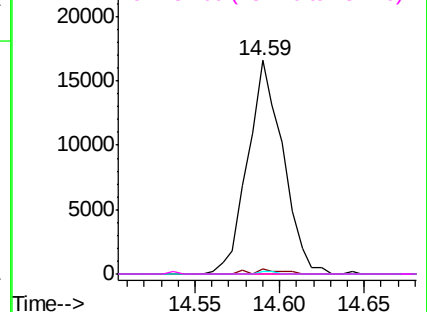


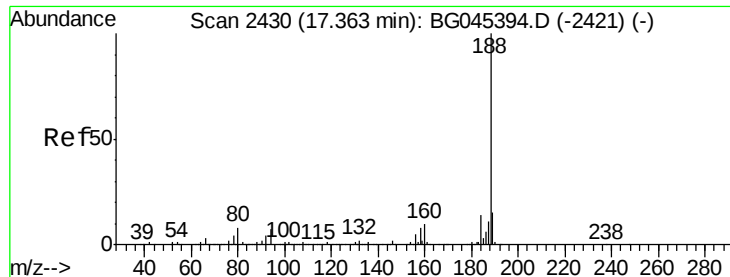
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG045669.D

Acq: 9 Jun 2020 18:27

Instrument :

BNA_G

ClientSampleId :

S39-HSVE3-IDW01

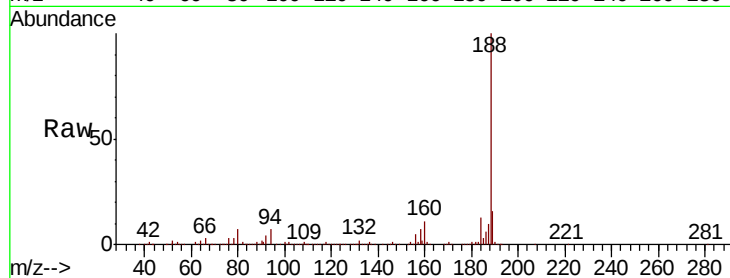
Tot Ion:188 Resp: 412744

Ion Ratio Lower Upper

188 100

94 7.3 5.5 8.3

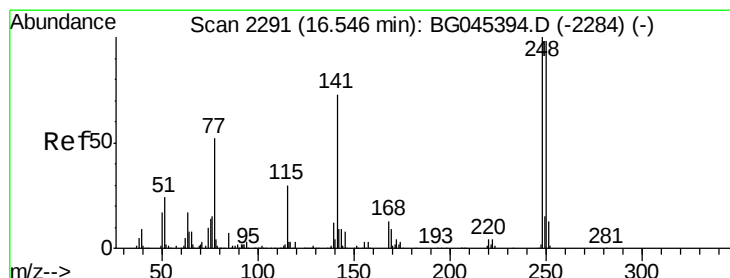
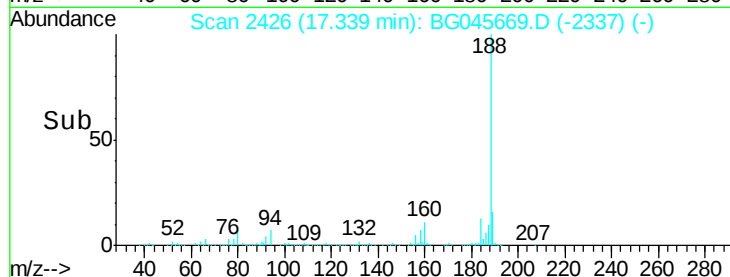
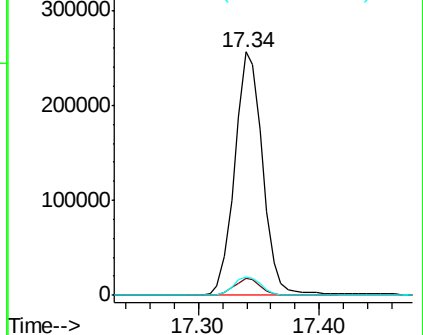
80 7.3 6.6 10.0



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: 4.553 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.45 min

Lab File: BG045669.D

Acq: 9 Jun 2020 18:27

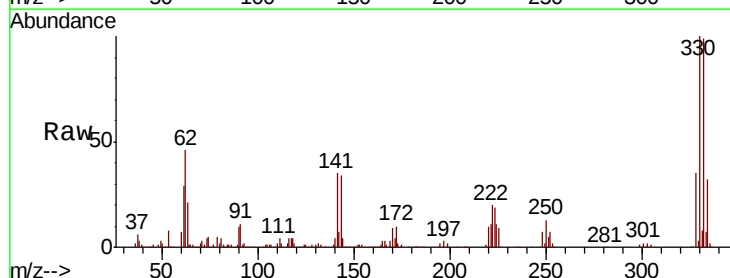
Tgt Ion:248 Resp: 20351

Ion Ratio Lower Upper

248 100

250 186.1 78.6 117.8#

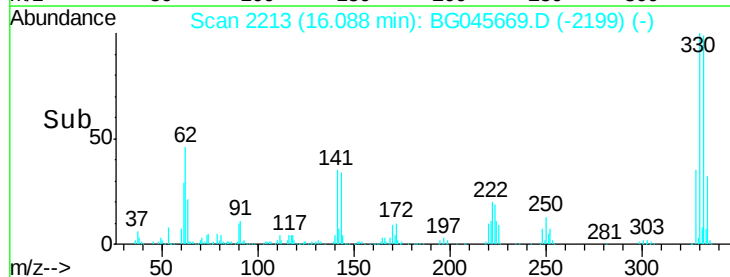
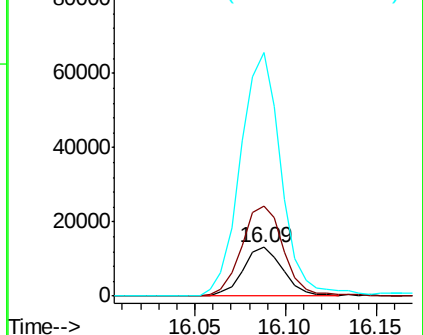
141 502.5 58.2 87.2#

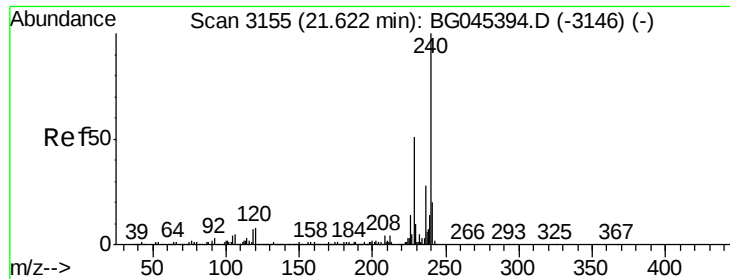


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

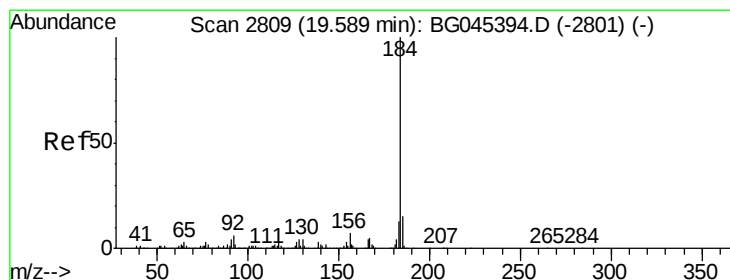
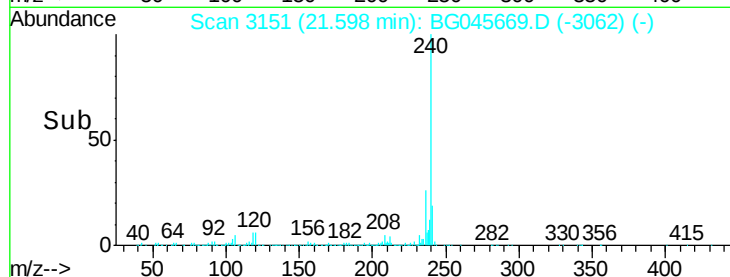
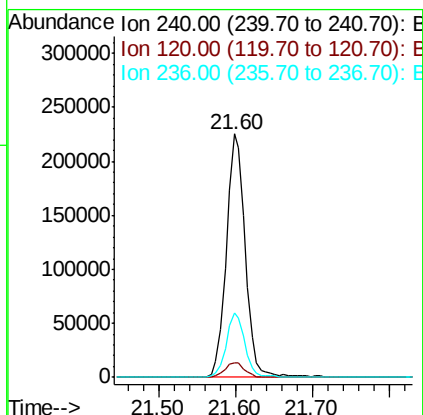
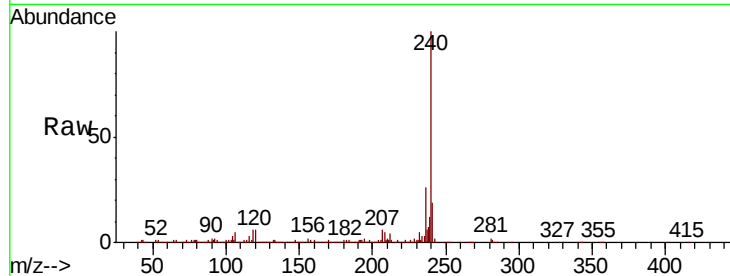




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.60 min Scan# 3151
 Delta R.T. -0.01 min
 Lab File: BG045669.D
 Acq: 9 Jun 2020 18:27

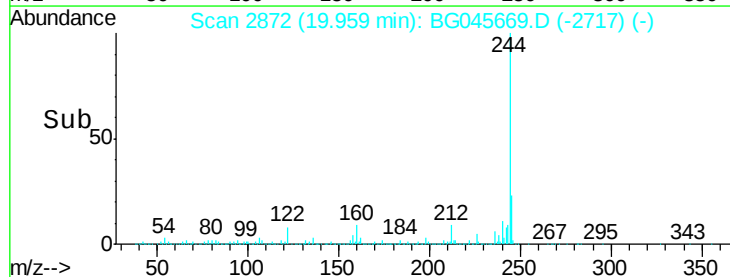
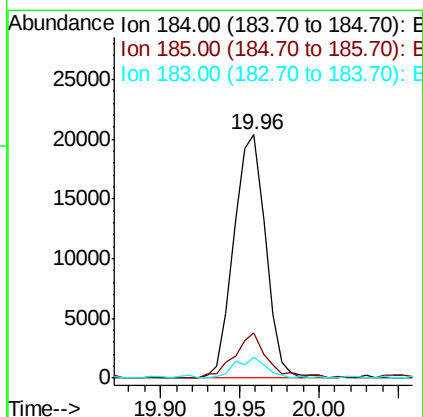
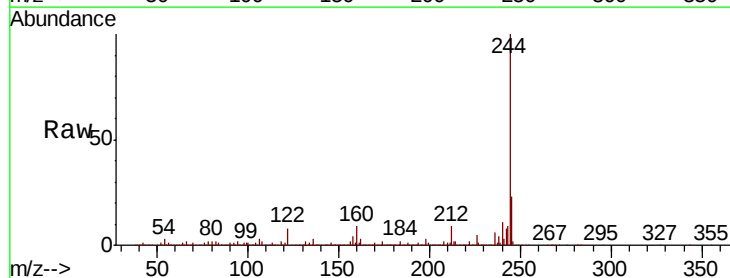
Instrument :
 BNA_G
 ClientSampleId :
 S39-HSVE3-IDW01

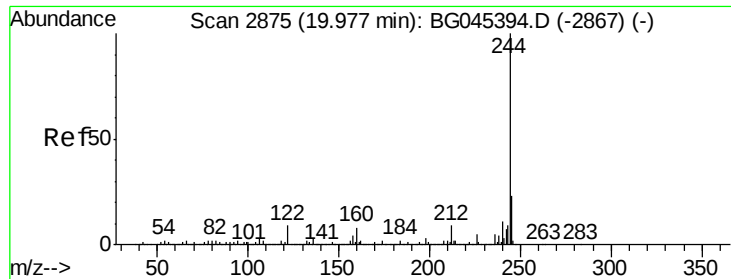
Tot Ion:240 Resp: 385427
 Ion Ratio Lower Upper
 240 100
 120 5.8 6.1 9.1#
 236 26.4 22.3 33.5



#77
 Benzidine
 Concen: 2.623 ng
 RT: 19.96 min Scan# 2872
 Delta R.T. 0.38 min
 Lab File: BG045669.D
 Acq: 9 Jun 2020 18:27

Tgt Ion:184 Resp: 28392
 Ion Ratio Lower Upper
 184 100
 185 18.4 11.7 17.5#
 183 8.5 10.2 15.4#





#79

Terphenyl-d14

Concen: 89.946 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045669.D

Acq: 9 Jun 2020 18:27

Instrument :

BNA_G

ClientSampleId :

S39-HSVE3-IDW01

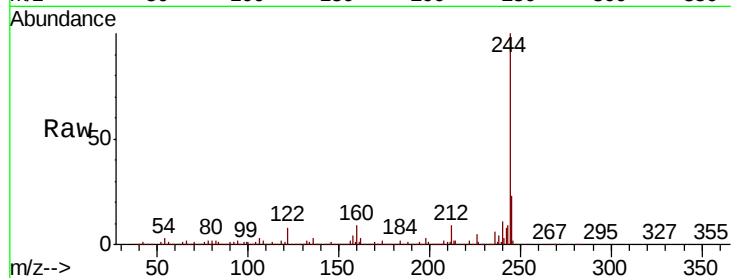
Tot Ion:244 Resp: 1486411

Ion Ratio Lower Upper

244 100

212 9.0 7.4 11.0

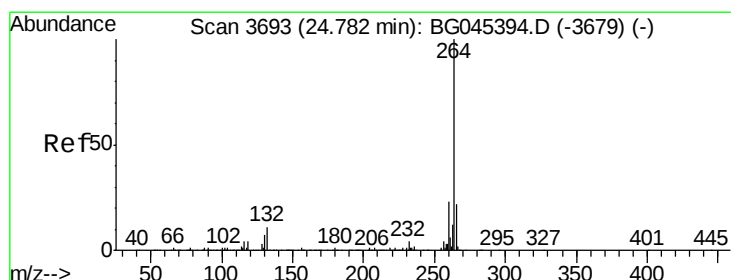
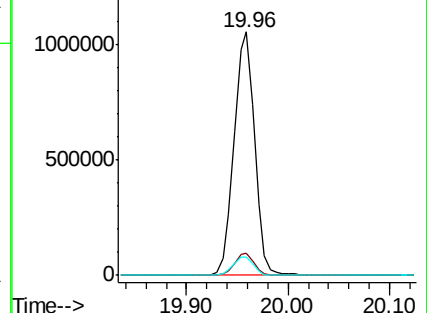
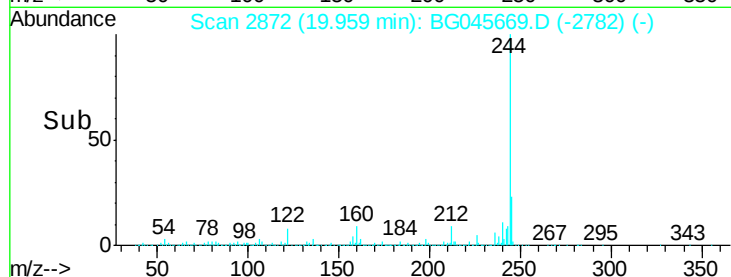
122 7.8 6.8 10.2



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: BG045669.D

Acq: 9 Jun 2020 18:27

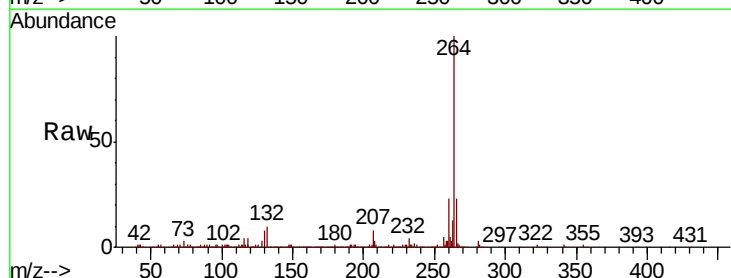
Tgt Ion:264 Resp: 403953

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 22.9 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

