

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062320\
 Data File : BG045836.D
 Acq On : 23 Jun 2020 12:15
 Operator : CG/JU
 Sample : L3033-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Z1-DUP-0571-200615

Quant Time: Jun 23 13:18:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	51889	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	210755	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	137649	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	312877	20.00	ng	0.00
76) Chrysene-d12	21.57	240	313467	20.00	ng	0.00
86) Perylene-d12	24.70	264	340964	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	121070	39.41	ng	-0.01
7) Phenol-d6	7.14	99	105406	22.56	ng	-0.02
23) Nitrobenzene-d5	9.08	82	298952	64.80	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	230671	111.00	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	725095	77.41	ng	0.00
79) Terphenyl-d14	19.93	244	1218553	78.78	ng	0.00

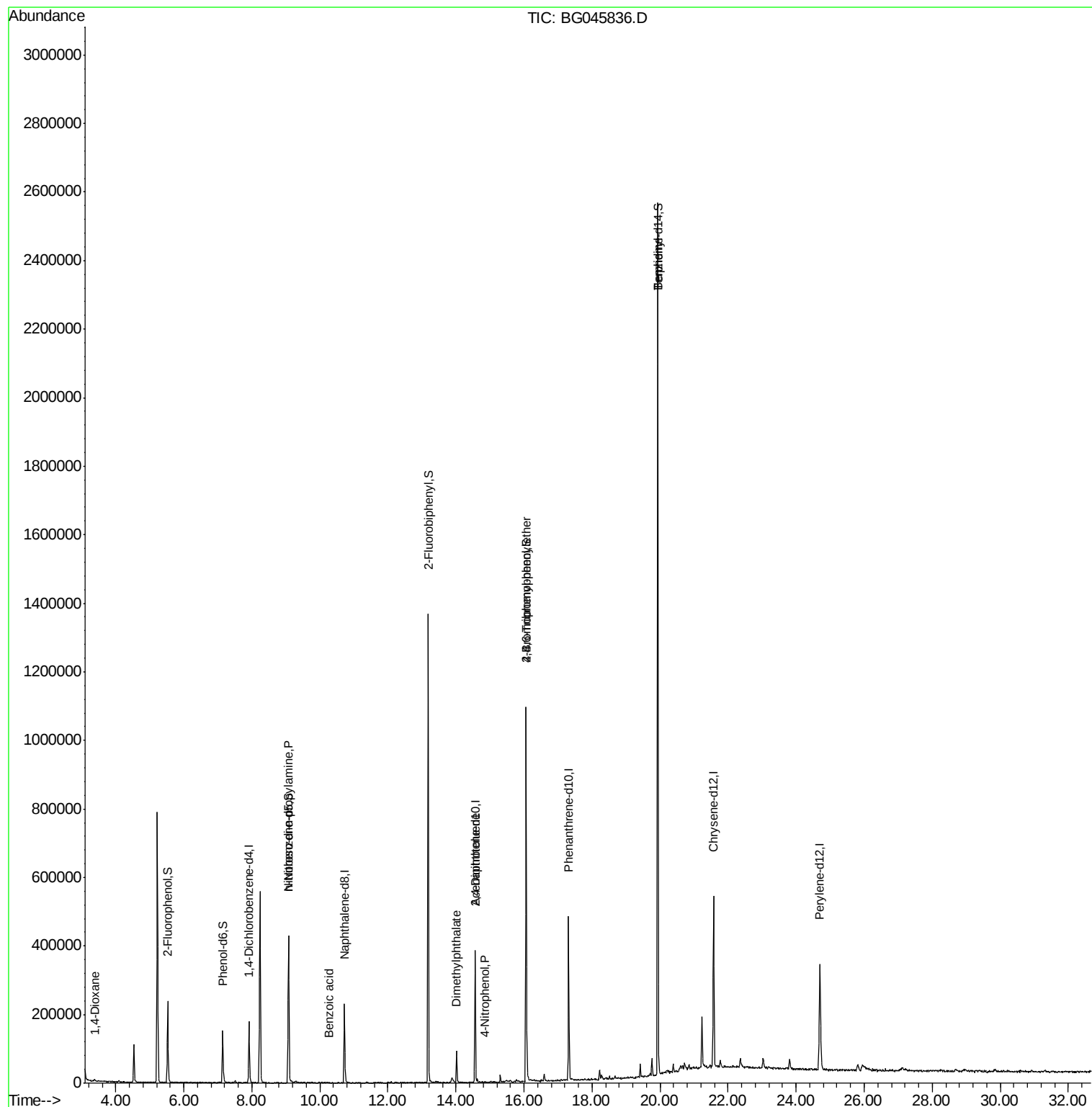
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	4133	2.938	ng	# 88
19) n-Nitroso-di-n-propylamine	9.08	70	41469	13.500	ng	# 83
32) Benzoic acid	10.26	122	57	9.001	ng	# 1
50) Dimethylphthalate	14.02	163	60290	5.591	ng	97
56) 4-Nitrophenol	14.86	139	57	4.004	ng	# 43
57) 2,4-Dinitrotoluene	14.57	165	18638	5.371	ng	# 24
67) 4-Bromophenyl-phenylether	16.06	248	15782	3.882	ng	# 1
77) Benzidine	19.93	184	23203	2.847	ng	# 92

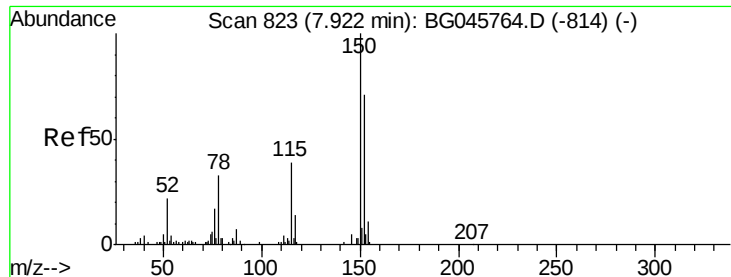
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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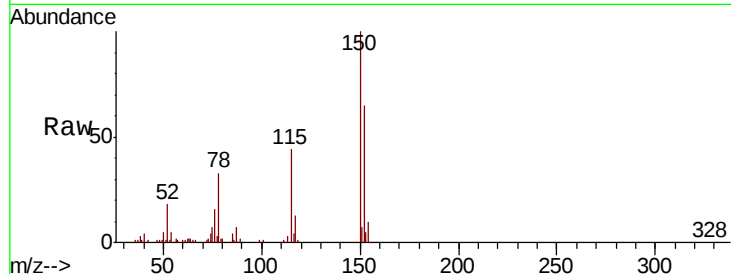


#1

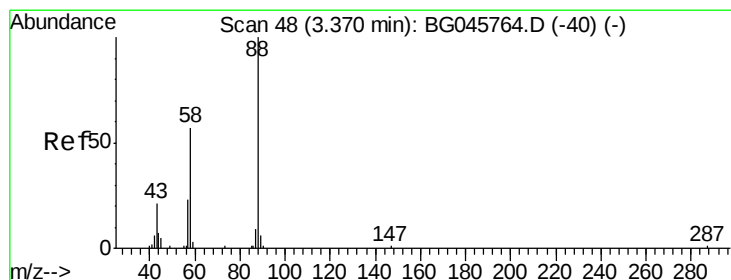
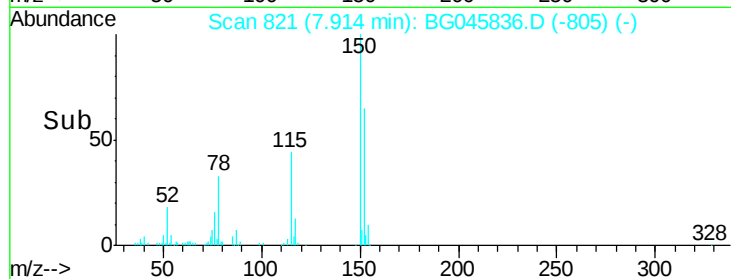
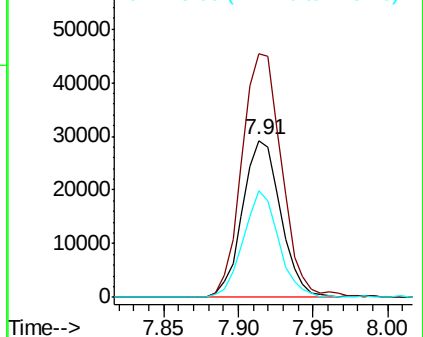
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG045836.D
Acq: 23 Jun 2020 12:15

Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0571-200615

Tot Ion:152 Resp: 51889
Ion Ratio Lower Upper
152 100
150 155.0 113.1 169.7
115 67.7 43.8 65.6#



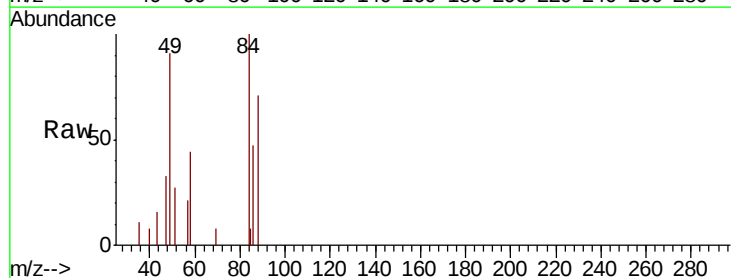
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



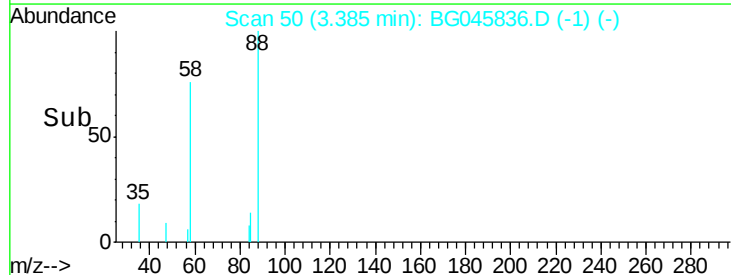
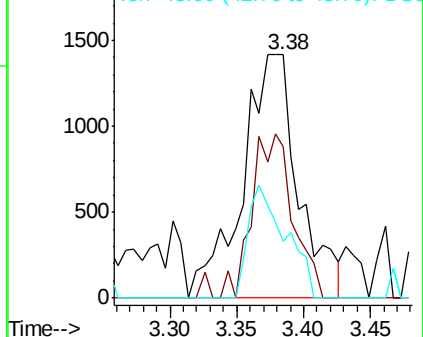
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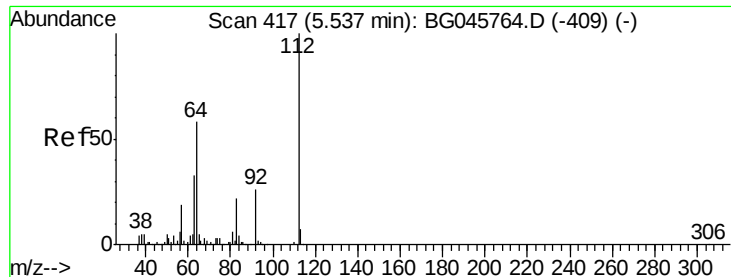
1,4-Dioxane
Concen: 2.938 ng
RT: 3.38 min Scan# 50
Delta R.T. 0.01 min
Lab File: BG045836.D
Acq: 23 Jun 2020 12:15

Tgt Ion: 88 Resp: 4133
Ion Ratio Lower Upper
88 100
58 49.1 46.1 69.1
43 30.8 19.2 28.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 39.414 ng

RT: 5.52 min Scan# 414

Delta R.T. -0.01 min

Lab File: BG045836.D

Acq: 23 Jun 2020 12:15

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0571-200615

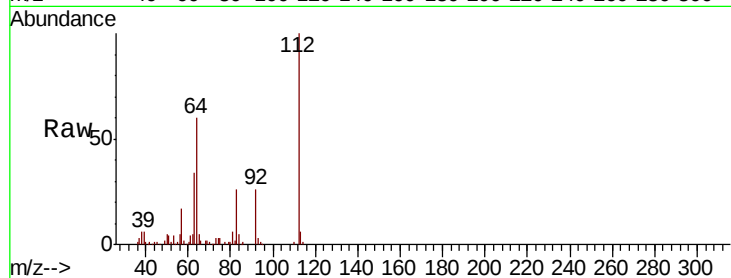
Tot Ion:112 Resp: 121070

Ion Ratio Lower Upper

112 100

64 59.8 46.6 69.8

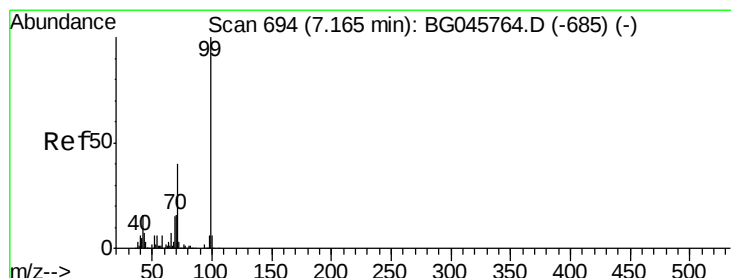
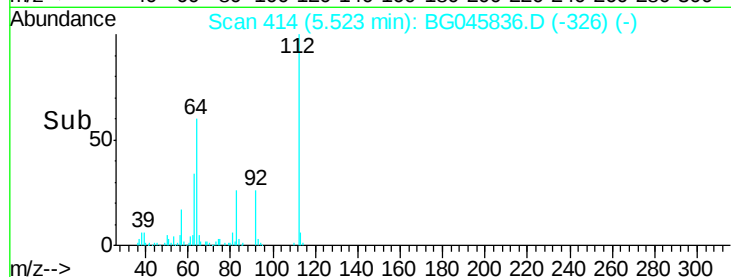
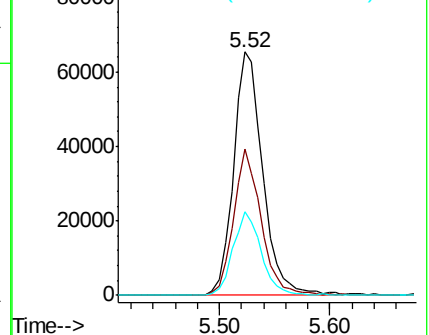
63 34.5 26.3 39.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 22.559 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.02 min

Lab File: BG045836.D

Acq: 23 Jun 2020 12:15

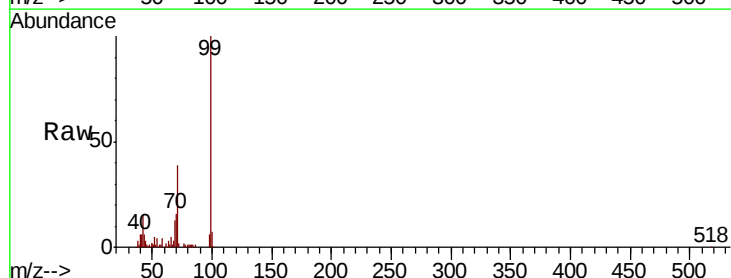
Tgt Ion: 99 Resp: 105406

Ion Ratio Lower Upper

99 100

42 14.9 12.4 18.6

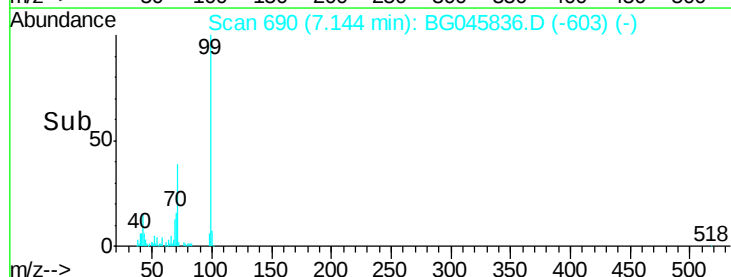
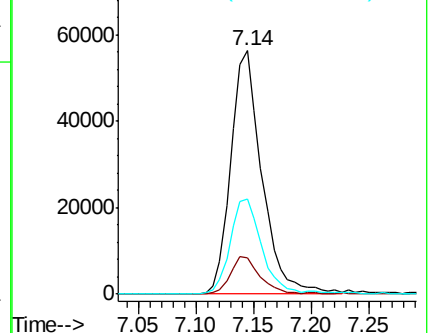
71 38.9 32.1 48.1

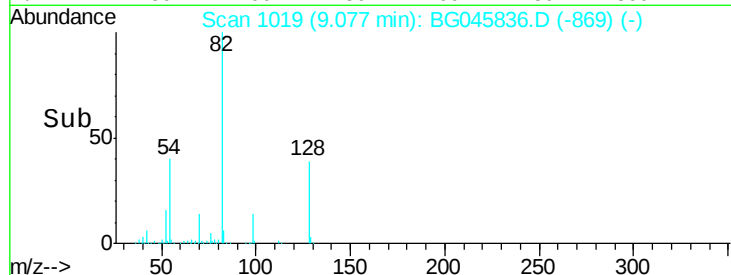
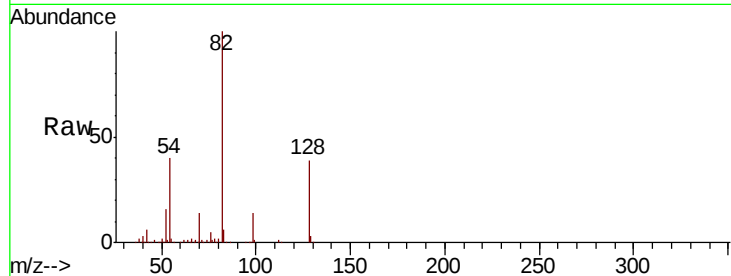
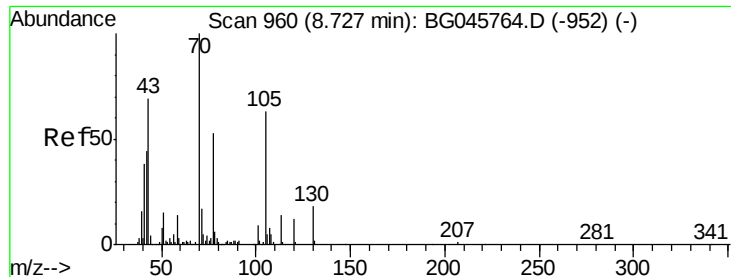


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

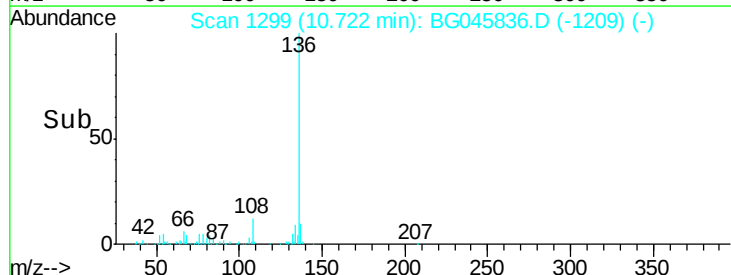
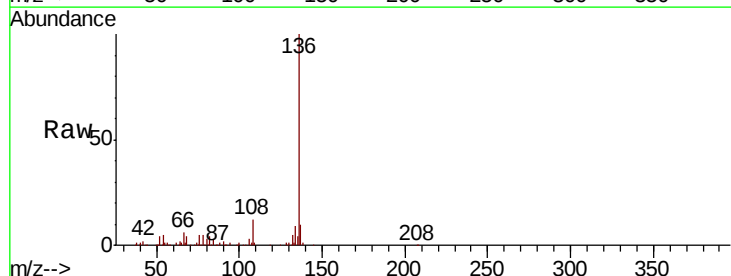
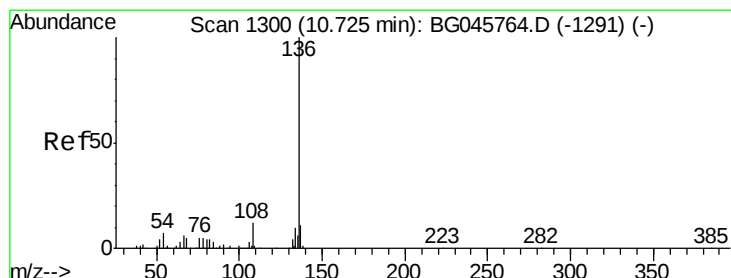
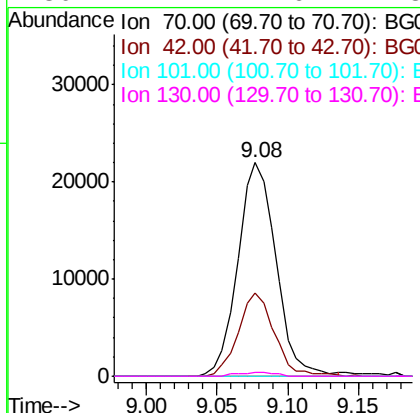




#19
n-Nitroso-di-n-propylamine
Concen: 13.500 ng
RT: 9.08 min Scan# 1019
Delta R.T. 0.35 min
Lab File: BG045836.D
Acq: 23 Jun 2020 12:15

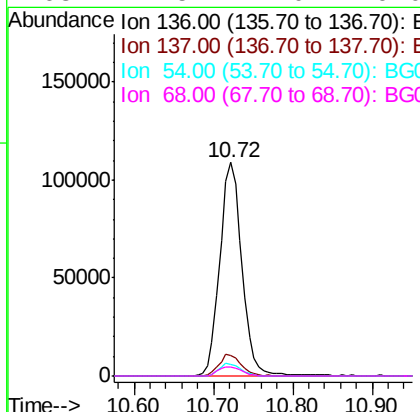
Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0571-200615

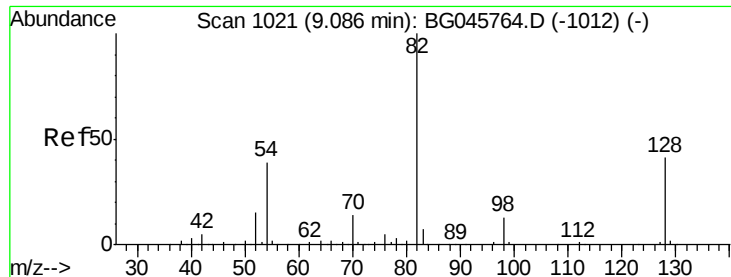
Tot Ion: 70 Resp: 41469
Ion Ratio Lower Upper
70 100
42 39.2 35.1 52.7
101 0.0 7.4 11.0#
130 2.1 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BG045836.D
Acq: 23 Jun 2020 12:15

Tgt Ion: 136 Resp: 210755
Ion Ratio Lower Upper
136 100
137 9.9 8.7 13.1
54 5.4 5.8 8.6#
68 4.5 4.0 6.0

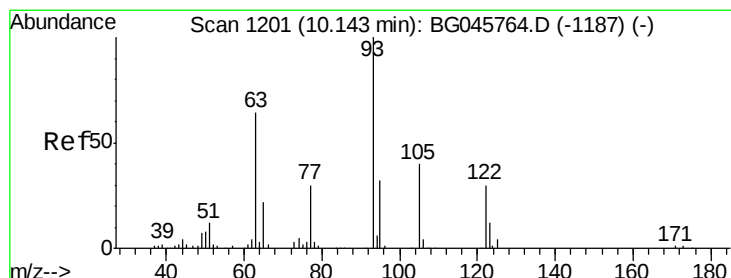
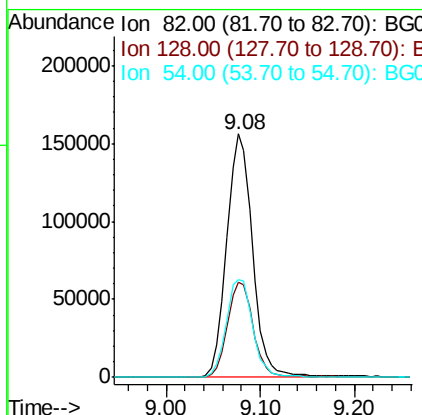
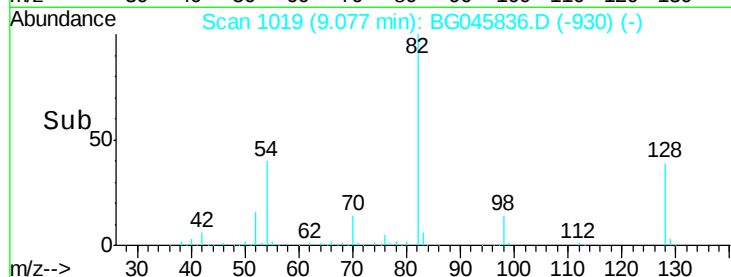
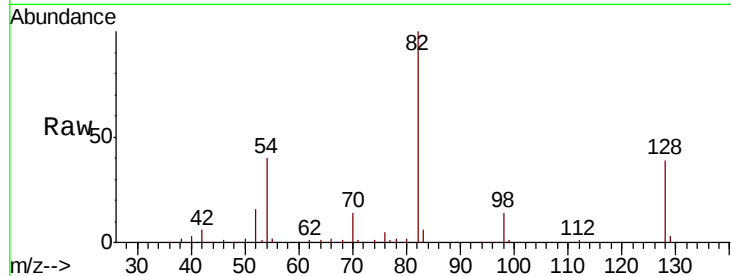




#23
Nitrobenzene-d5
Concen: 64.801 ng
RT: 9.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG045836.D
Acq: 23 Jun 2020 12:15

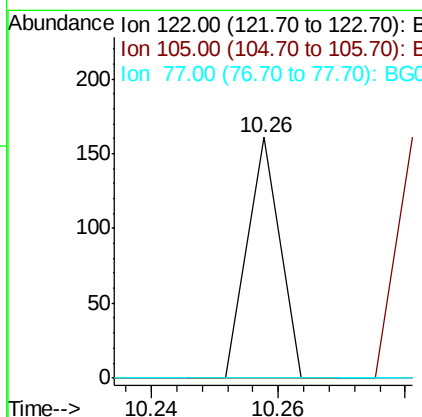
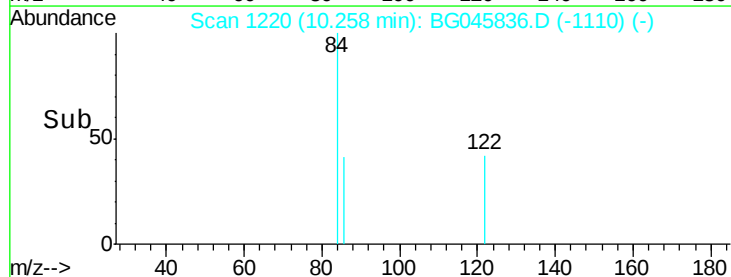
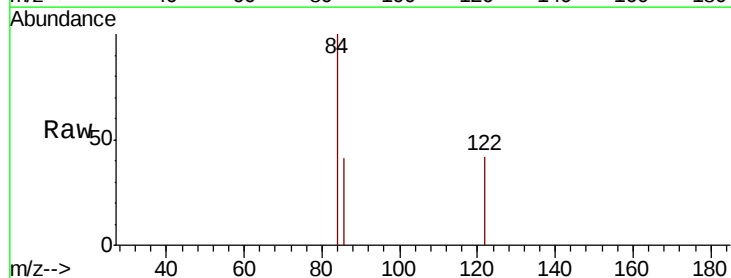
Instrument :
BNA_G
ClientSampleId :
Z1-DUP-0571-200615

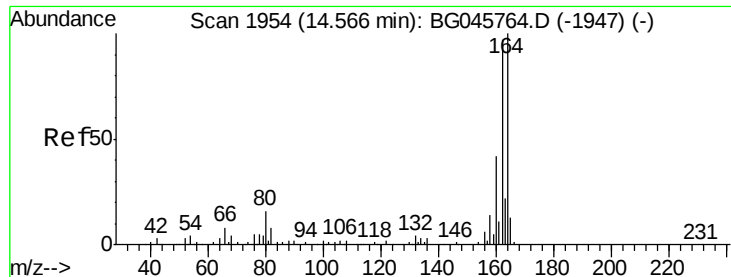
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.9	32.5	48.7
54	40.0	31.2	46.8



#32
Benzoic acid
Concen: 9.001 ng
RT: 10.26 min Scan# 1220
Delta R.T. 0.12 min
Lab File: BG045836.D
Acq: 23 Jun 2020 12:15

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	112.9	152.9#
77	0.0	79.2	119.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BG045836.D

Acq: 23 Jun 2020 12:15

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0571-200615

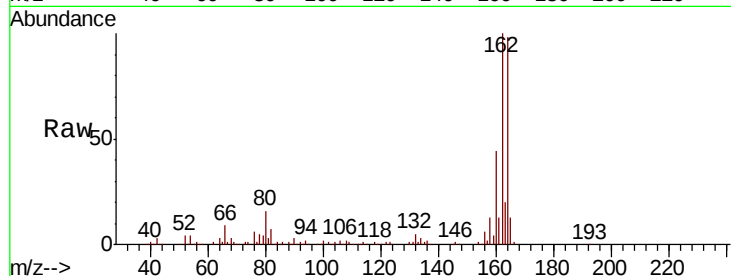
Tot Ion:164 Resp: 137649

Ion Ratio Lower Upper

164 100

162 101.6 77.4 116.0

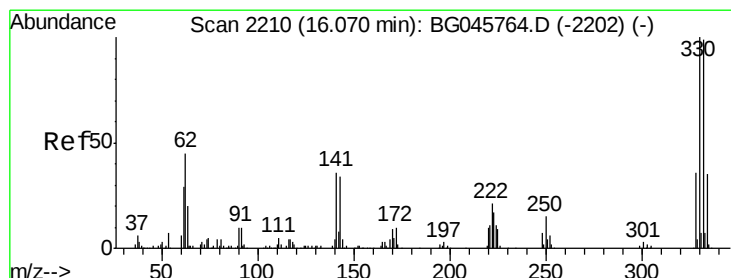
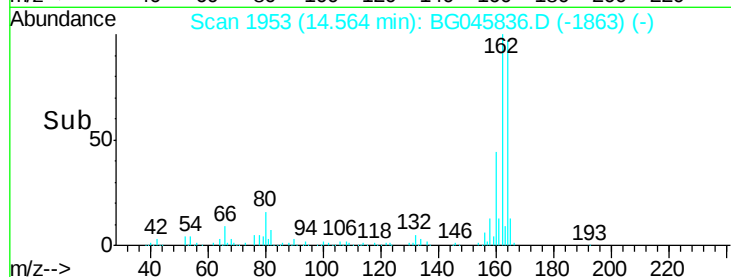
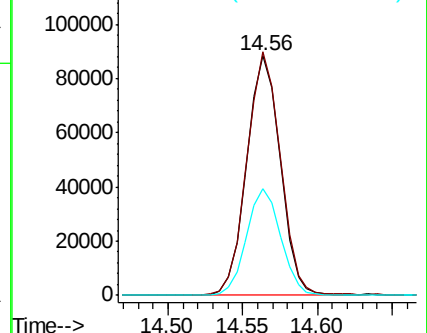
160 44.7 33.3 49.9



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: 110.999 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG045836.D

Acq: 23 Jun 2020 12:15

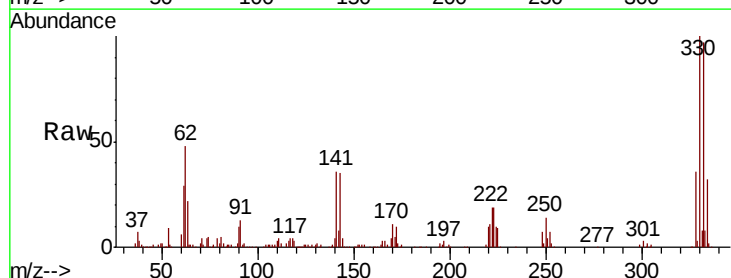
Tgt Ion:330 Resp: 230671

Ion Ratio Lower Upper

330 100

332 96.0 78.6 117.8

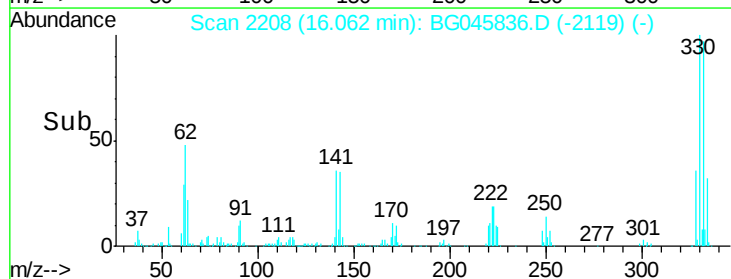
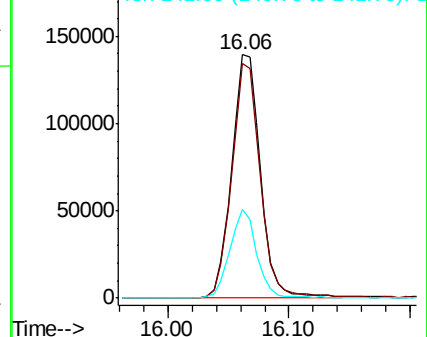
141 34.6 28.2 42.4

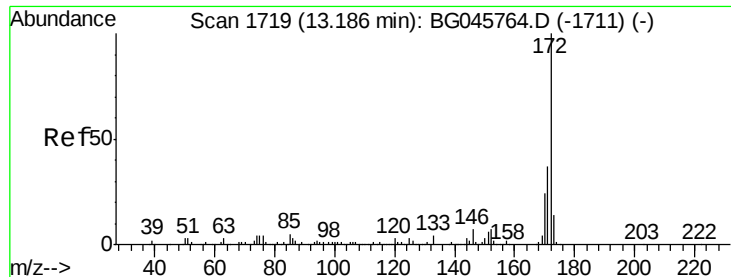


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

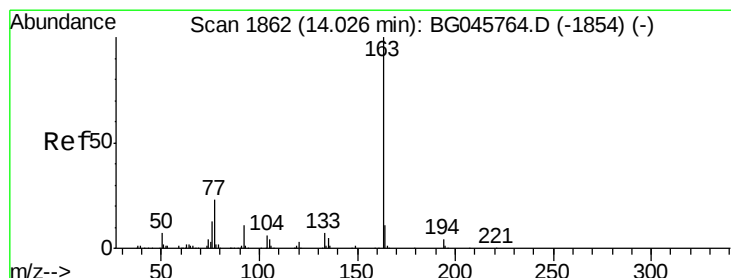
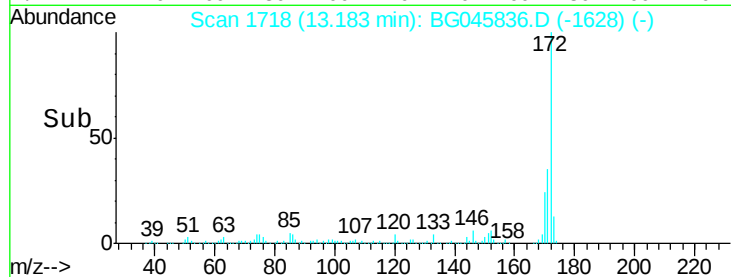
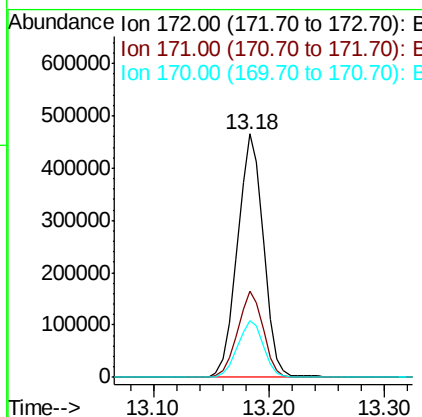
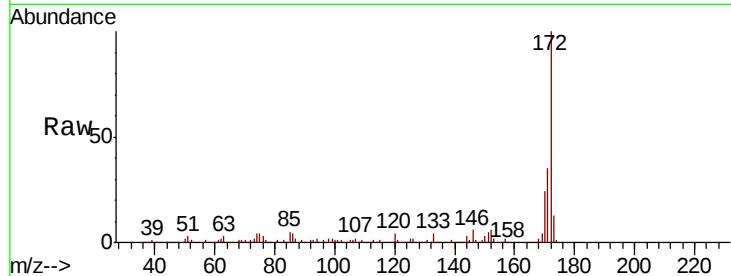




#45
 2-Fluorobiphenyl
 Concen: 77.412 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG045836.D
 Acq: 23 Jun 2020 12:15

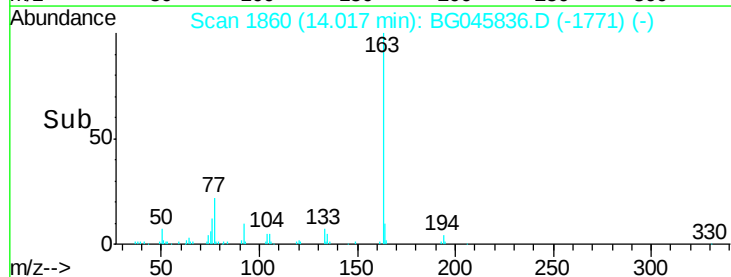
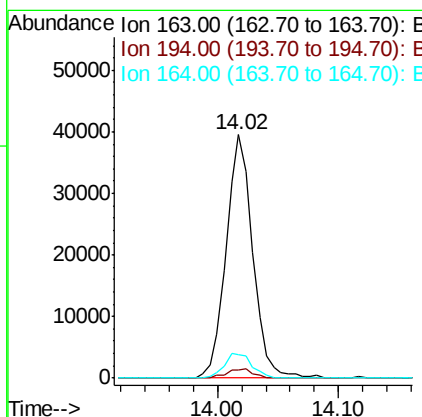
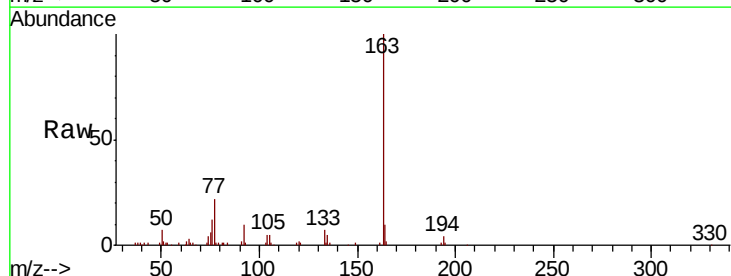
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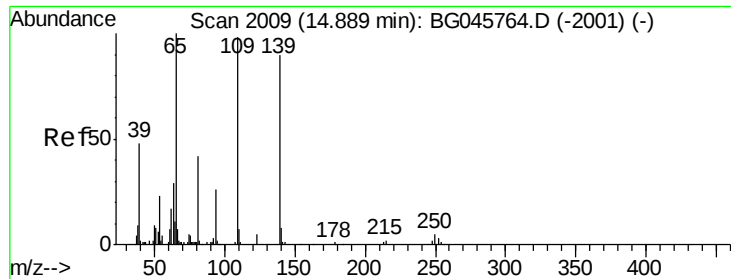
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.9	44.9
170	23.5	19.3	28.9



#50
 Dimethylphthalate
 Concen: 5.591 ng
 RT: 14.02 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BG045836.D
 Acq: 23 Jun 2020 12:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.4	5.0
164	9.7	8.9	13.3





#56

4-Nitrophenol

Concen: 4.004 ng

RT: 14.86 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BG045836.D

Acq: 23 Jun 2020 12:15

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0571-200615

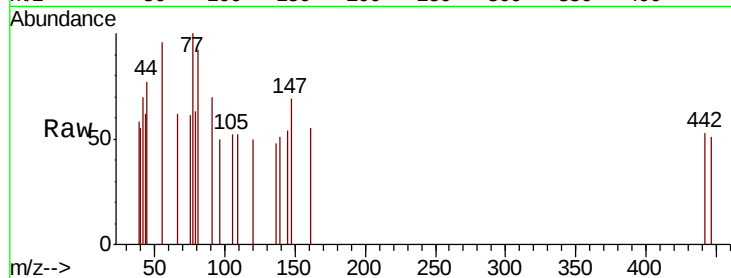
Tot Ion:139 Resp: 57

Ion Ratio Lower Upper

139 100

109 101.2 88.9 128.9

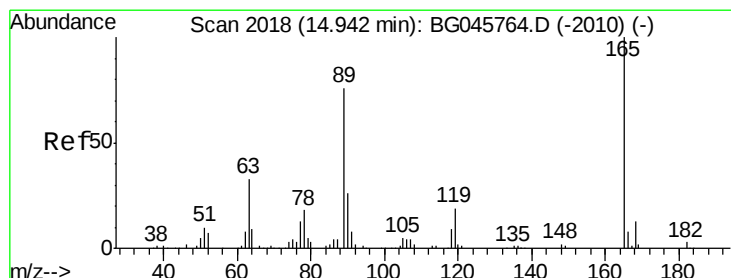
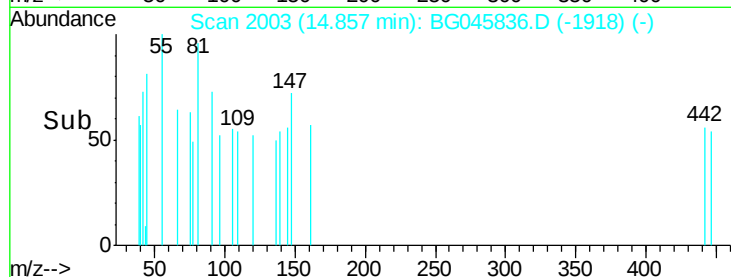
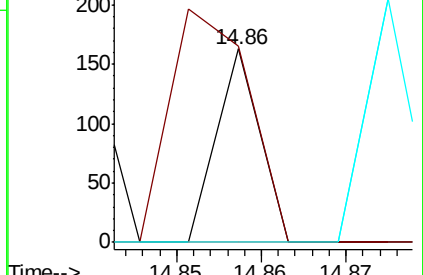
65 0.0 92.3 132.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 5.371 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.37 min

Lab File: BG045836.D

Acq: 23 Jun 2020 12:15

Tgt Ion:165 Resp: 18638

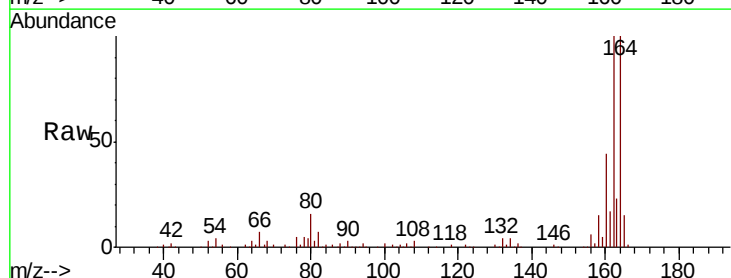
Ion Ratio Lower Upper

165 100

63 1.6 33.8 50.8#

89 2.4 60.4 90.6#

182 0.0 2.6 3.8#

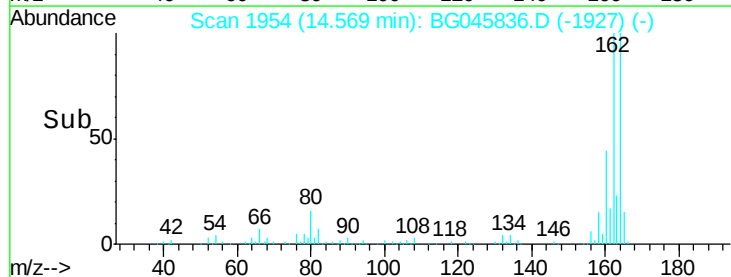
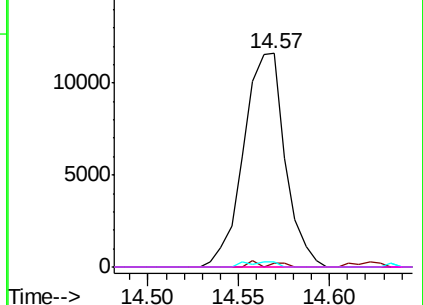


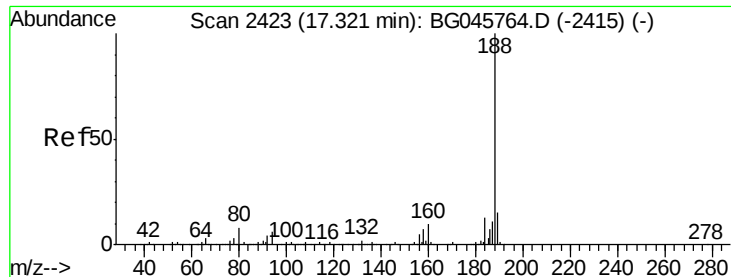
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.31 min Scan# 2421

Delta R.T. -0.01 min

Lab File: BG045836.D

Acq: 23 Jun 2020 12:15

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0571-200615

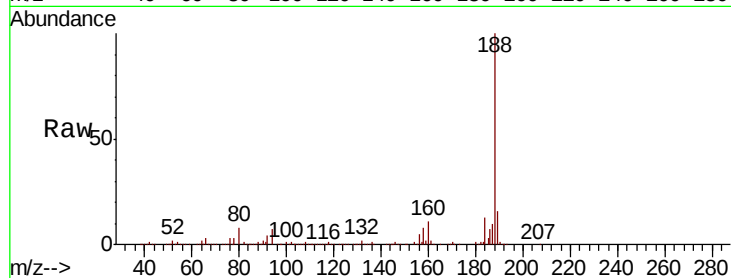
Tot Ion:188 Resp: 312877

Ion Ratio Lower Upper

188 100

94 6.8 5.1 7.7

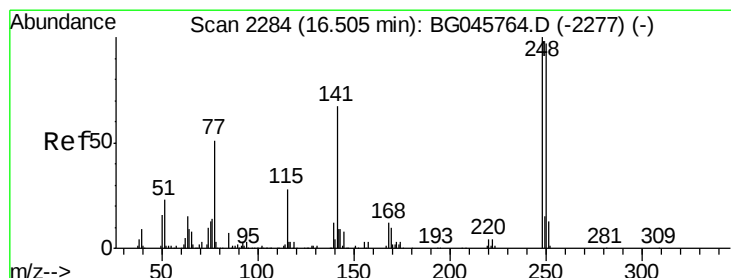
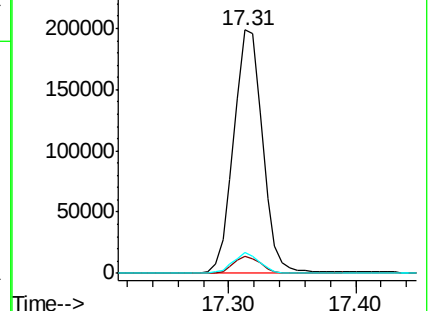
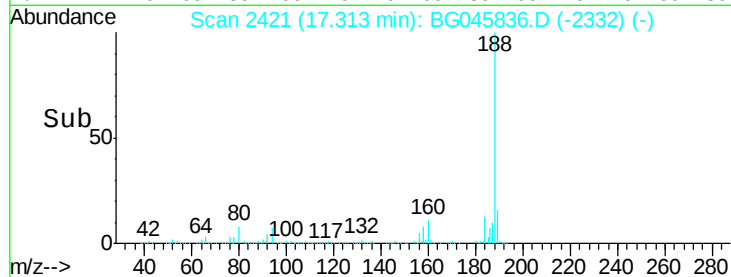
80 8.5 6.2 9.4



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: 3.882 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.44 min

Lab File: BG045836.D

Acq: 23 Jun 2020 12:15

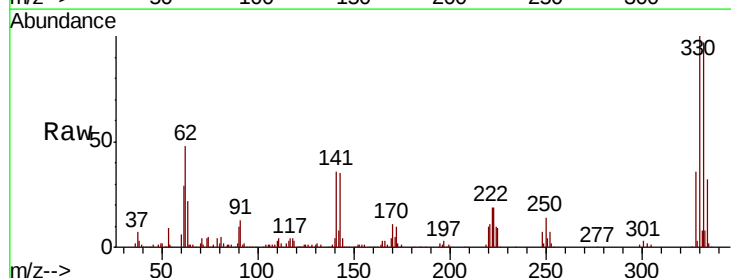
Tgt Ion:248 Resp: 15782

Ion Ratio Lower Upper

248 100

250 192.9 78.0 117.0#

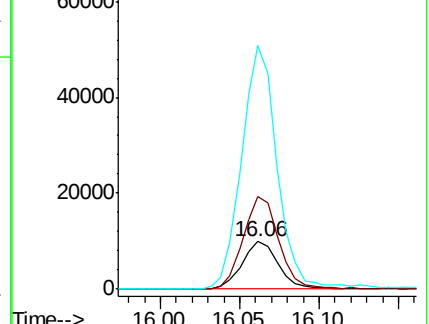
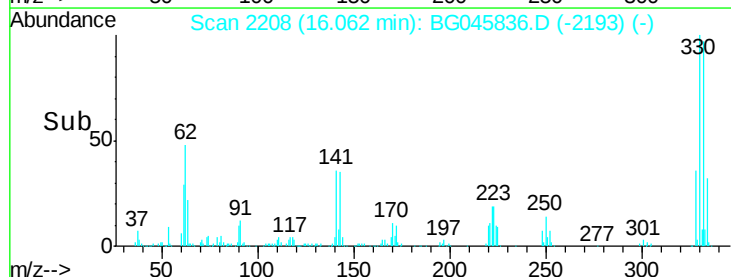
141 510.7 53.9 80.9#

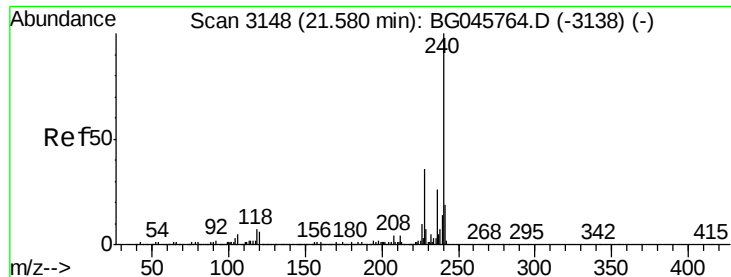


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.57 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG045836.D

Acq: 23 Jun 2020 12:15

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0571-200615

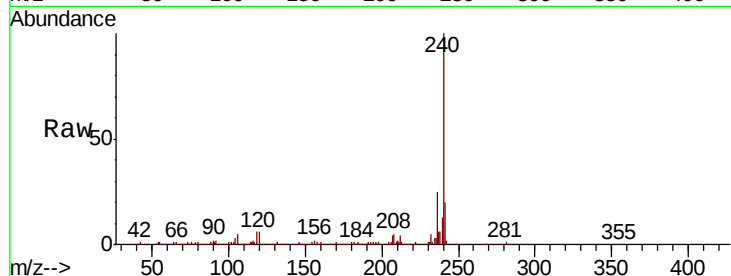
Tot Ion:240 Resp: 313467

Ion Ratio Lower Upper

240 100

120 6.5 5.0 7.4

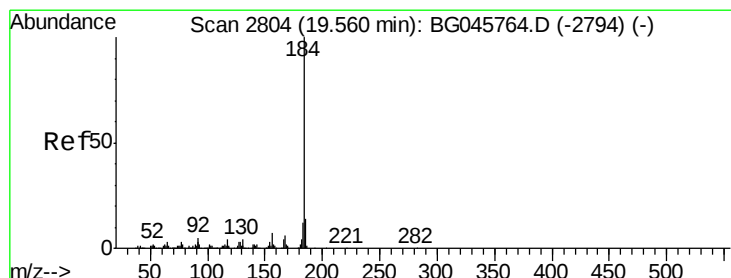
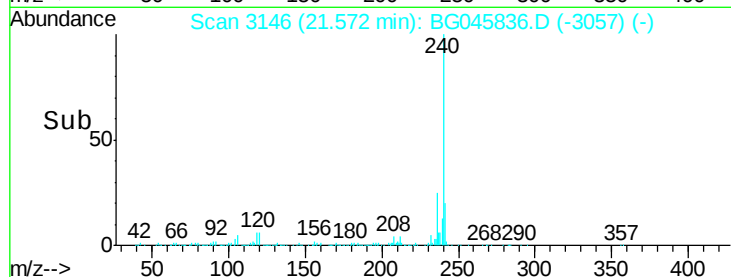
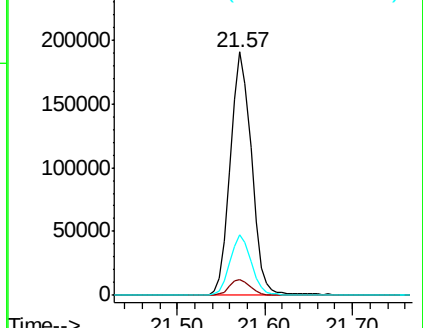
236 24.9 20.6 30.8



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: 2.847 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.37 min

Lab File: BG045836.D

Acq: 23 Jun 2020 12:15

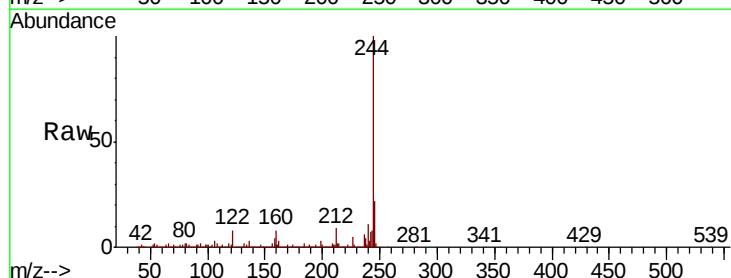
Tgt Ion:184 Resp: 23203

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

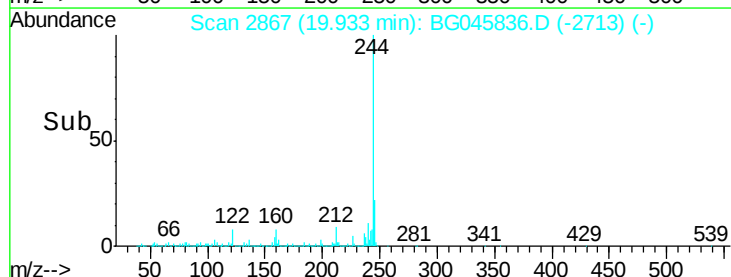
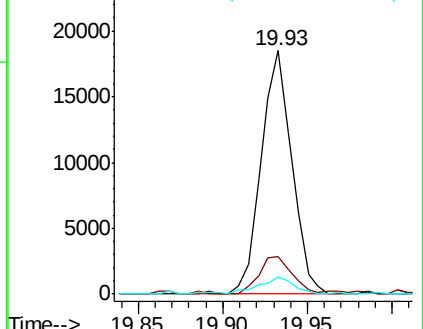
183 7.1 9.7 14.5#

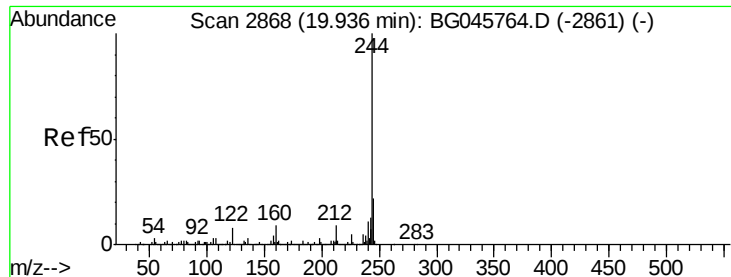


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 78.781 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BG045836.D

Acq: 23 Jun 2020 12:15

Instrument :

BNA_G

ClientSampleId :

Z1-DUP-0571-200615

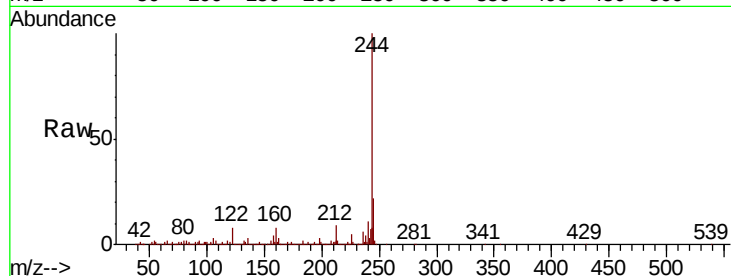
Tot Ion:244 Resp: 1218553

Ion Ratio Lower Upper

244 100

212 9.2 7.2 10.8

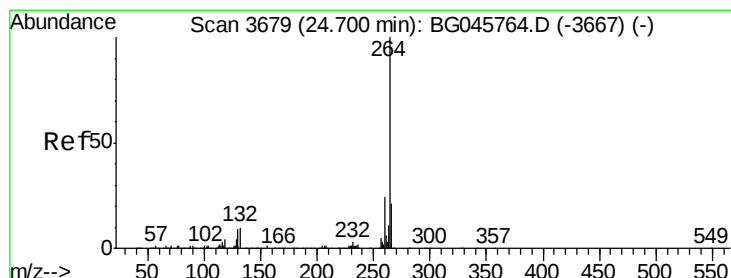
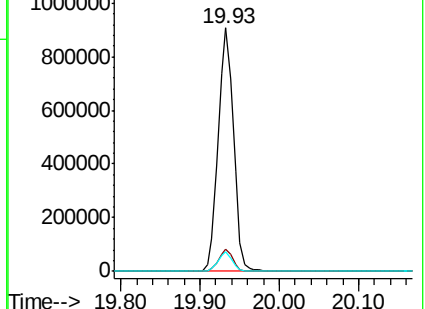
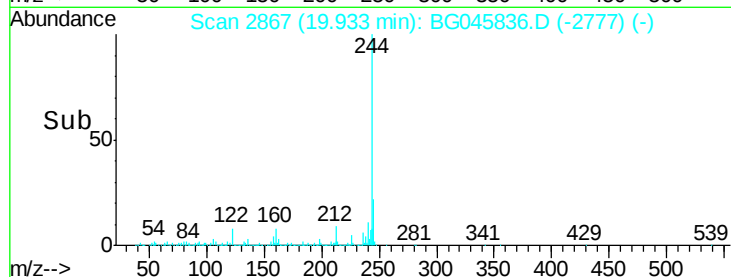
122 7.8 6.4 9.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BG045836.D

Acq: 23 Jun 2020 12:15

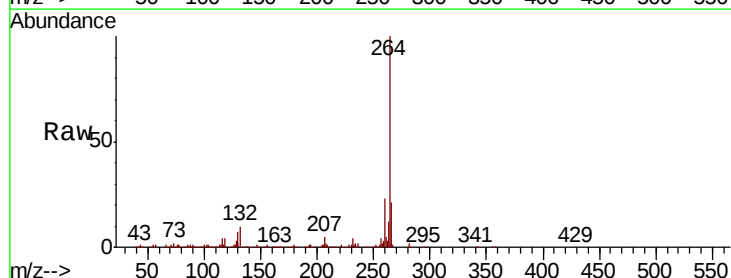
Tgt Ion:264 Resp: 340964

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.4

265 20.7 17.4 26.0



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

