

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
 Data File : BG045979.D
 Acq On : 8 Jul 2020 13:43
 Operator : CG/JU
 Sample : PB129957BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129957BL

Quant Time: Jul 08 14:23:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	149247	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	606719	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	363821	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	733205	20.00	ng	0.00
76) Chrysene-d12	21.63	240	692489	20.00	ng	0.00
86) Perylene-d12	24.79	264	673900	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1114135	121.06	ng	0.00
7) Phenol-d6	7.16	99	1537668	116.05	ng	0.00
23) Nitrobenzene-d5	9.16	82	1033123	98.01	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	424124	125.61	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1961701	84.10	ng	0.00
79) Terphenyl-d14	19.99	244	2607382	83.80	ng	0.00

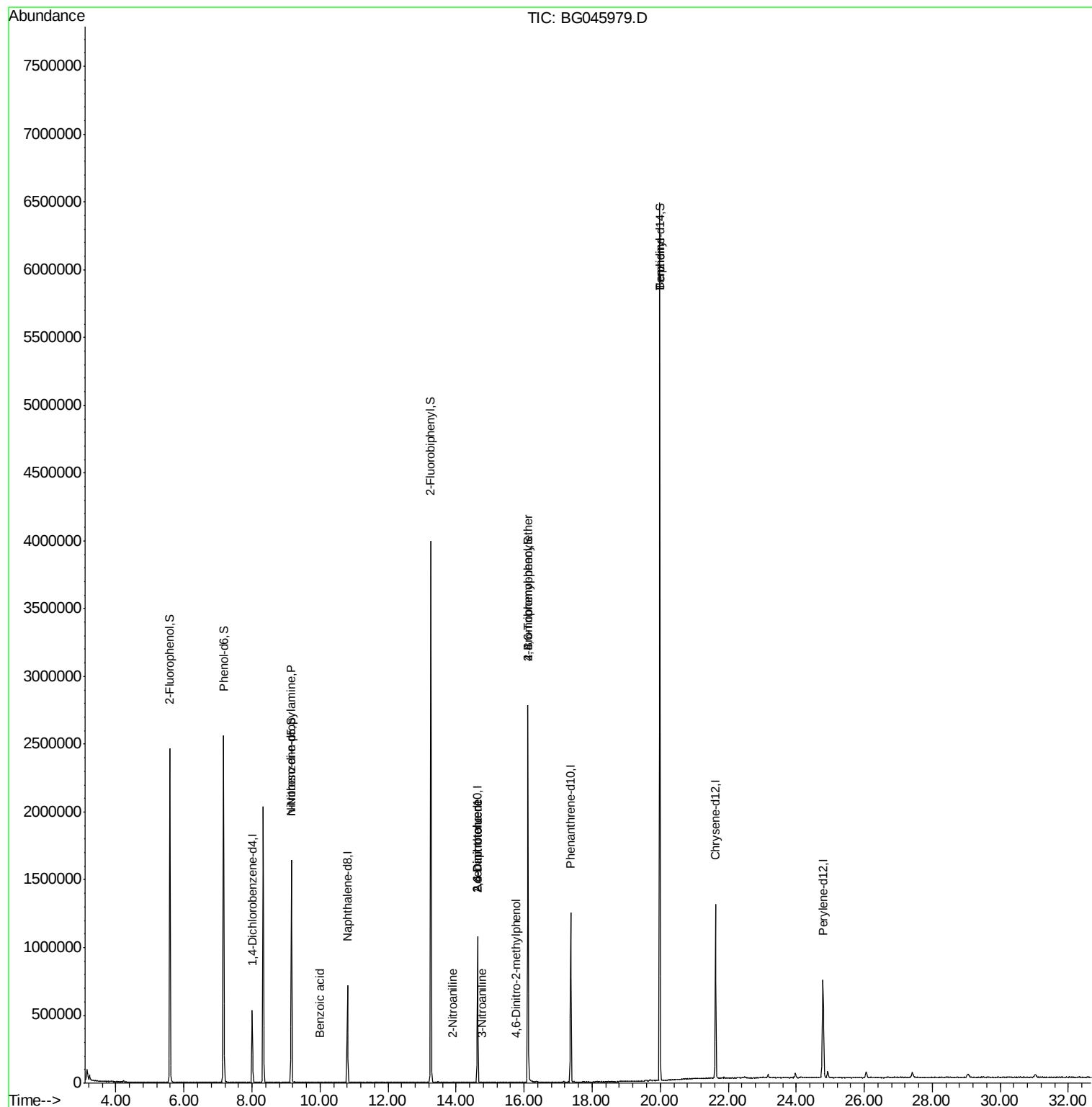
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	140149	15.056	ng	# 79
32) Benzoic acid	9.99	122	55	6.515	ng	# 85
48) 2-Nitroaniline	13.90	65	222	3.404	ng	# 7
51) 2,6-Dinitrotoluene	14.63	165	47834	12.430	ng	# 19
53) 3-Nitroaniline	14.77	138	55	2.992	ng	# 1
57) 2,4-Dinitrotoluene	14.63	165	47834	10.967	ng	# 21
65) 4,6-Dinitro-2-methylphenol	15.76	198	63	6.812	ng	# 29
67) 4-Bromophenyl-phenylether	16.11	248	31086	3.796	ng	# 1
77) Benzidine	19.99	184	54330	2.744	ng	# 90

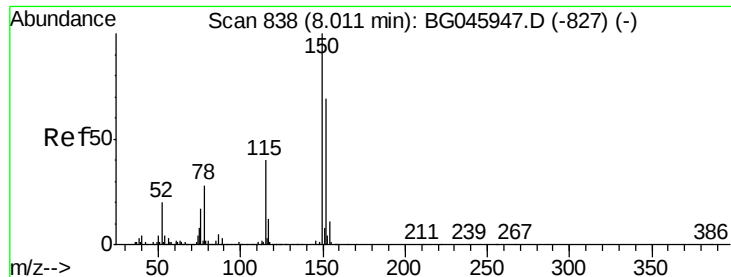
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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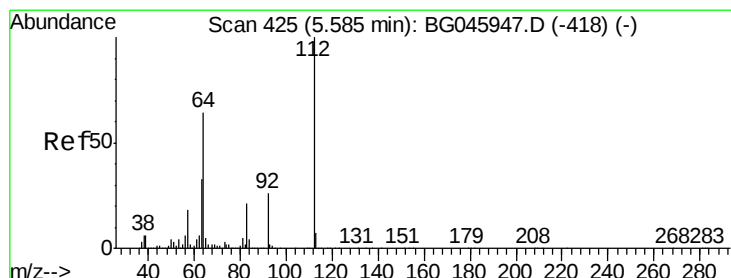
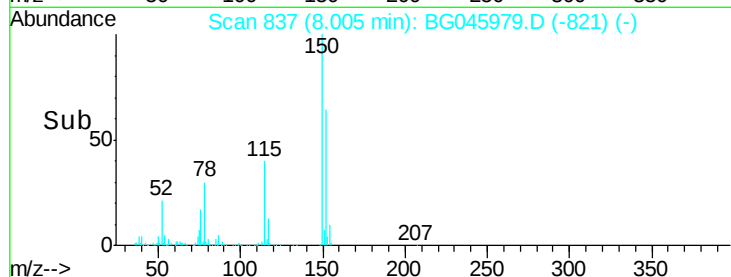
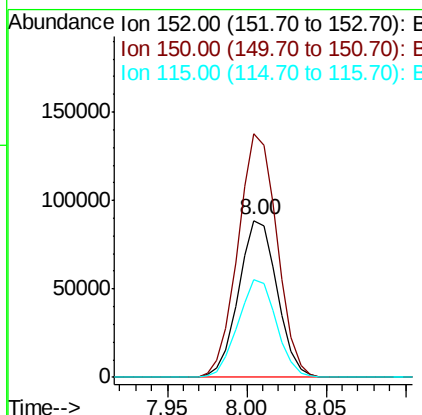
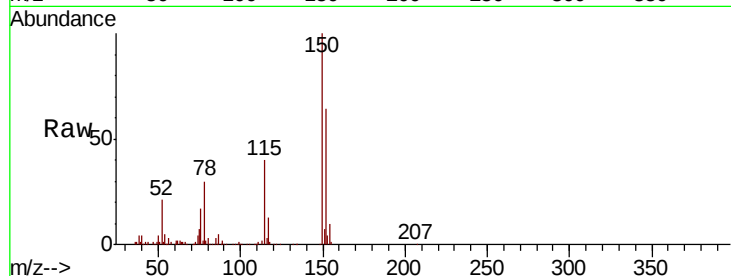


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG045979.D
Acq: 8 Jul 2020 13:43

Instrument :
BNA_G
ClientSampleId :
PB129957BL

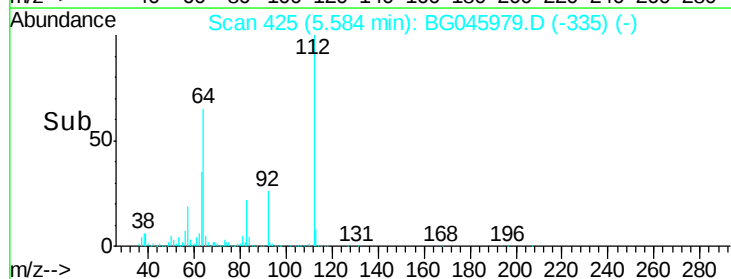
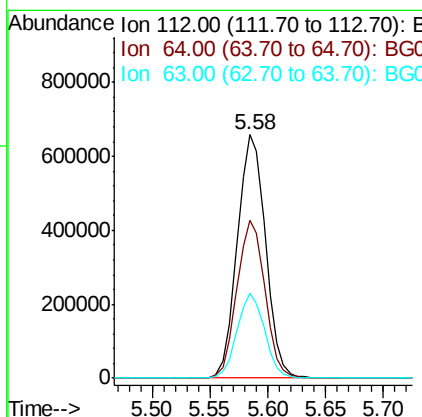
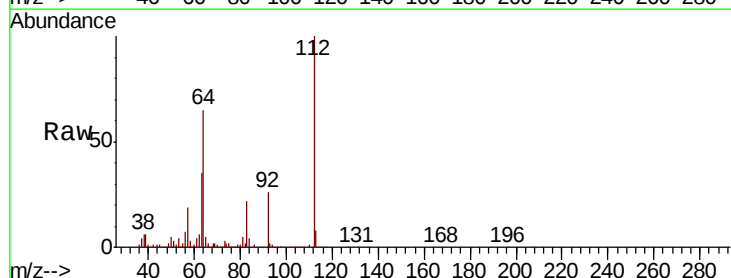
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	116.7	175.1
115	62.7	47.4	71.0

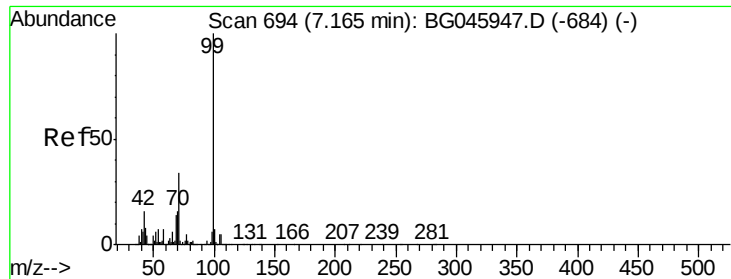


#5

2-Fluorophenol
Concen: 121.058 ng
RT: 5.58 min Scan# 425
Delta R.T. 0.00 min
Lab File: BG045979.D
Acq: 8 Jul 2020 13:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	51.4	77.2
63	34.9	26.6	40.0





#7

Phenol-d6

Concen: 116.049 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045979.D

Acq: 8 Jul 2020 13:43

Instrument :

BNA_G

ClientSampleId :

PB129957BL

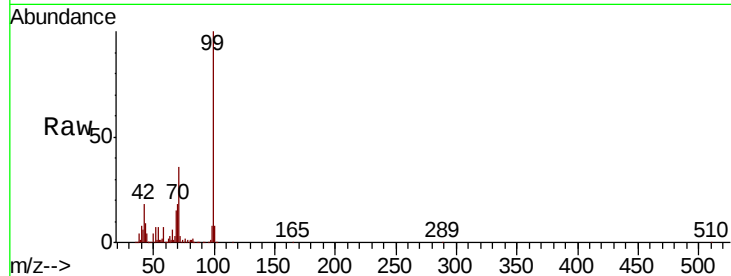
Tot Ion: 99 Resp: 1537668

Ion Ratio Lower Upper

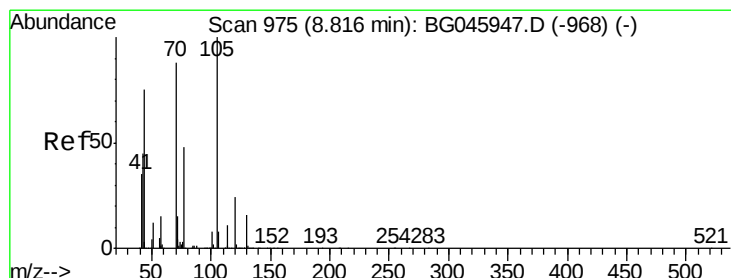
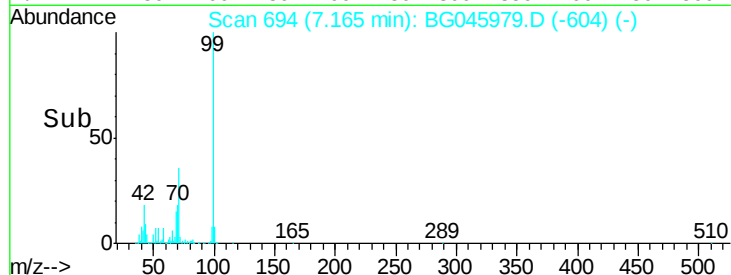
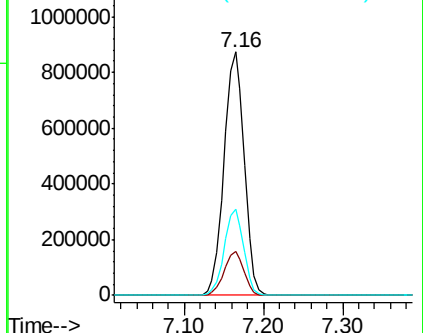
99 100

42 18.0 13.0 19.4

71 35.6 27.5 41.3



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: 15.056 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG045979.D

Acq: 8 Jul 2020 13:43

Tgt Ion: 70 Resp: 140149

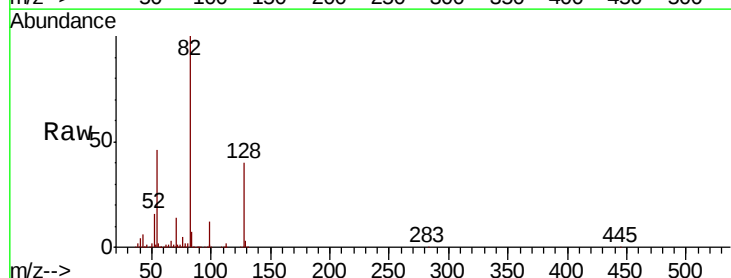
Ion Ratio Lower Upper

70 100

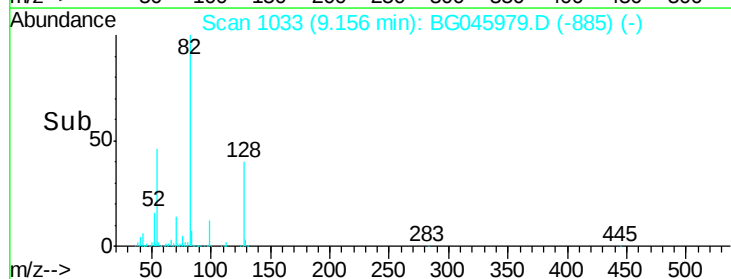
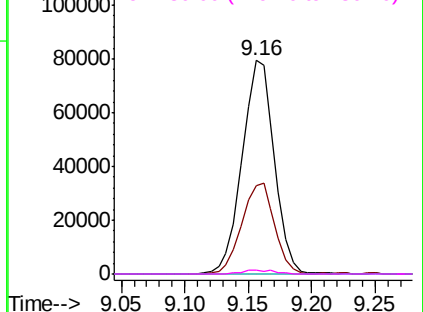
42 41.5 41.4 62.0

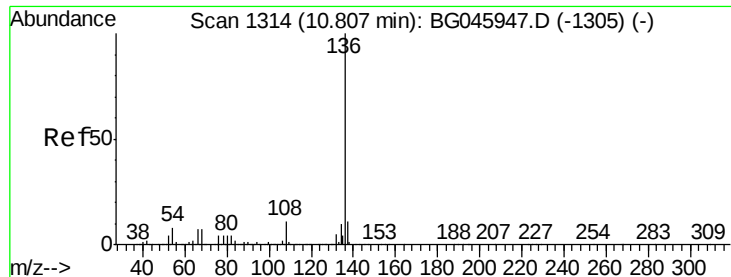
101 0.0 7.1 10.7#

130 1.7 14.9 22.3#



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

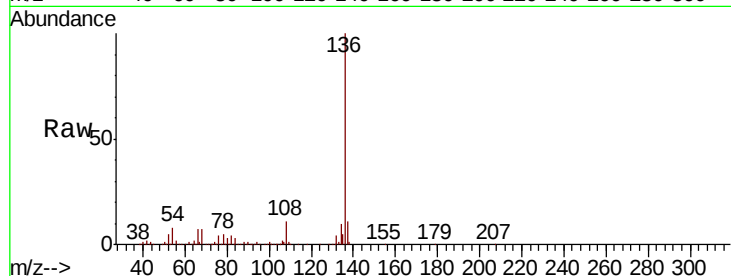




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045979.D
Acq: 8 Jul 2020 13:43

Instrument :
BNA_G
ClientSampleId :
PB129957BL

Tot Ion:136	Resp:	606719	
Ion Ratio	Lower	Upper	
136 100			
137 10.7	9.2	13.8	
54 7.6	6.2	9.4	
68 7.4	5.8	8.8	



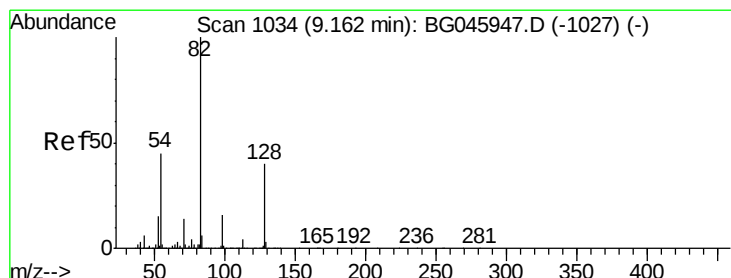
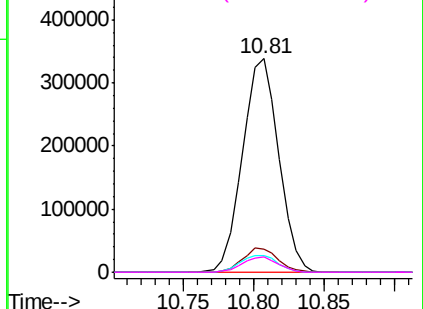
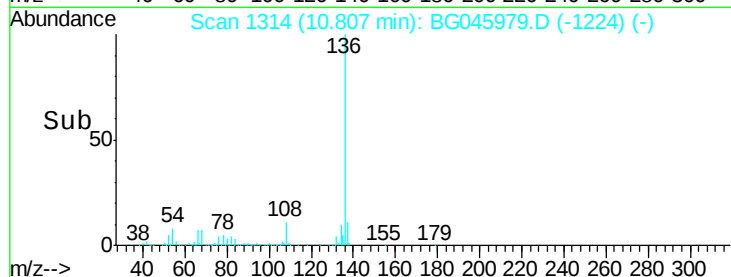
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

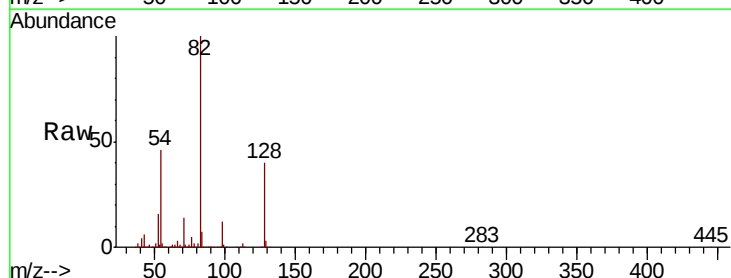
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 98.010 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045979.D
Acq: 8 Jul 2020 13:43

Tgt Ion: 82	Resp: 1033123
Ion Ratio	Lower Upper
82 100	
128 40.5	32.2 48.4
54 45.6	35.8 53.6

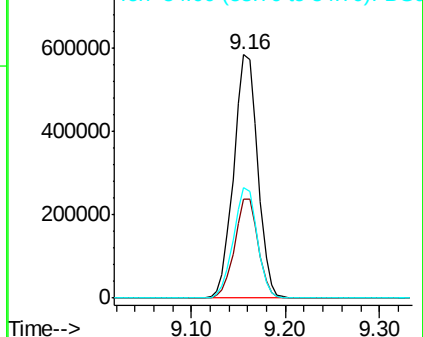
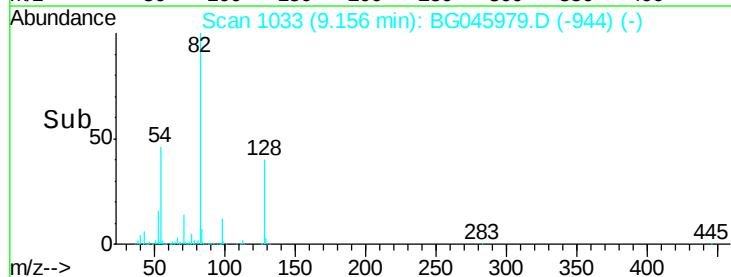


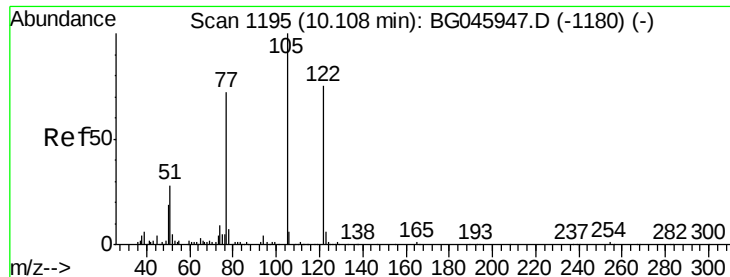
Abundance

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

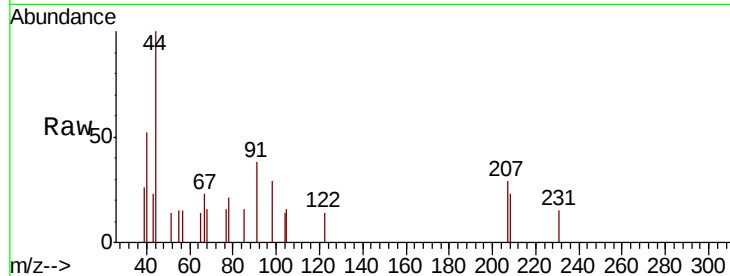




#32
Benzoic acid
Concen: 6.515 ng
RT: 9.99 min Scan# 1175
Delta R.T. -0.12 min
Lab File: BG045979.D
Acq: 8 Jul 2020 13:43

Instrument :
BNA_G
ClientSampleId :
PB129957BL

Tot Ion	Ratio	Lower	Upper
122	100		
105	116.1	110.8	150.8
77	114.8	76.4	116.4

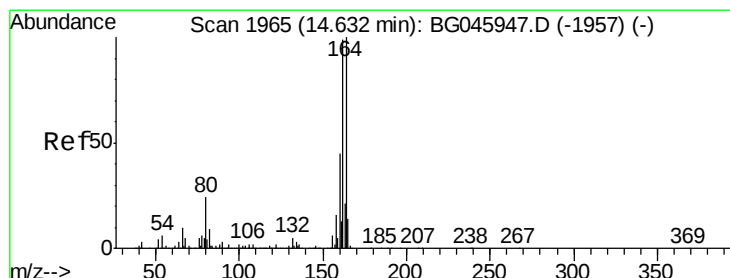
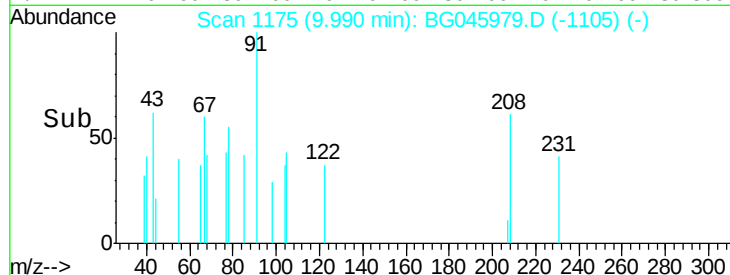
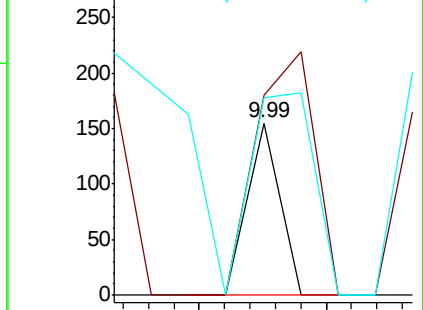


Abundance

Ion 122.00 (121.70 to 122.70): E

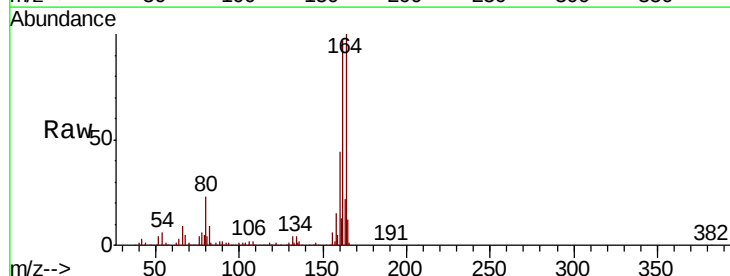
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045979.D
Acq: 8 Jul 2020 13:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.6	79.3	118.9
160	44.1	35.7	53.5

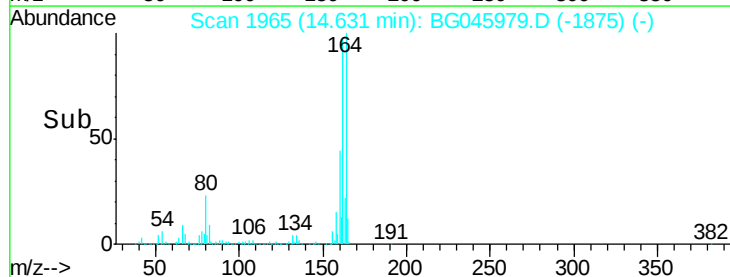
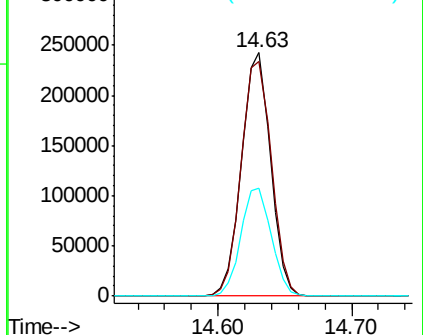


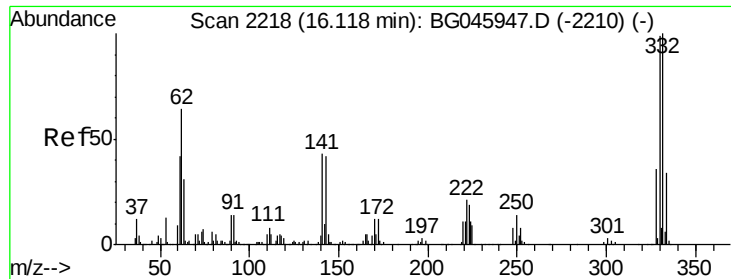
Abundance

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

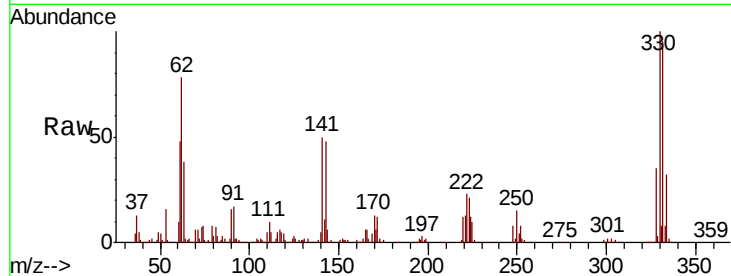




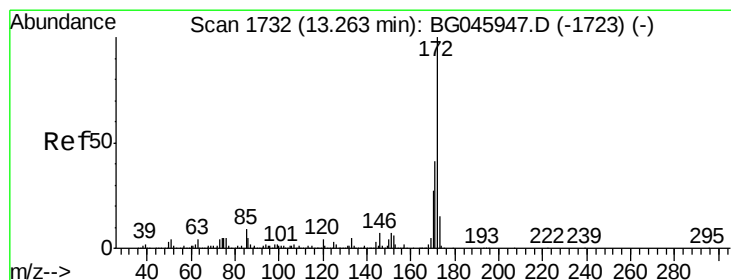
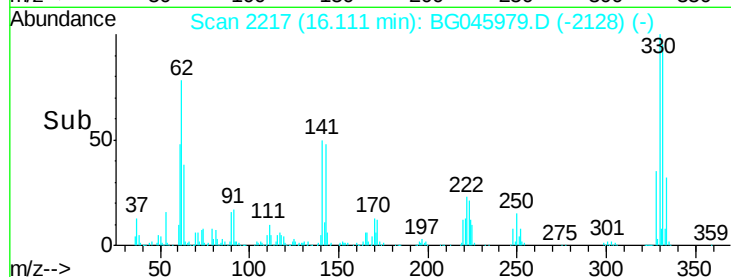
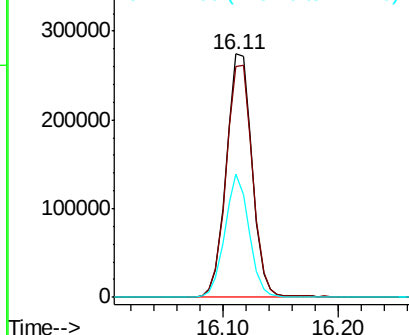
#42
 2,4,6-Tribromophenol
 Concen: 125.605 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BG045979.D
 Acq: 8 Jul 2020 13:43

Instrument :
 BNA_G
 ClientSampleId :
 PB129957BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	78.3	117.5
141	47.4	36.6	54.8

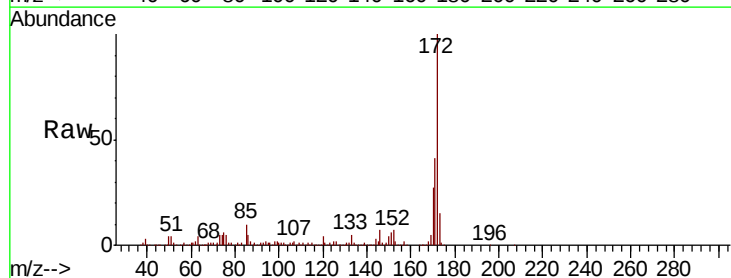


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

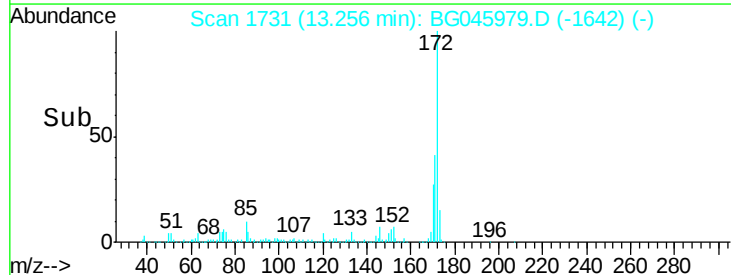
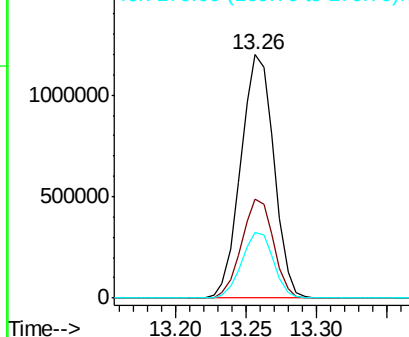


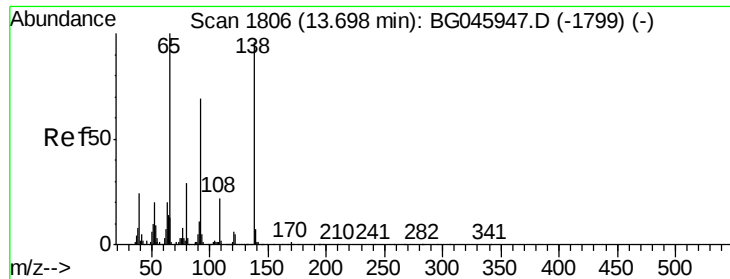
#45
 2-Fluorobiphenyl
 Concen: 84.105 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG045979.D
 Acq: 8 Jul 2020 13:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.6	32.9	49.3
170	27.1	21.8	32.6



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

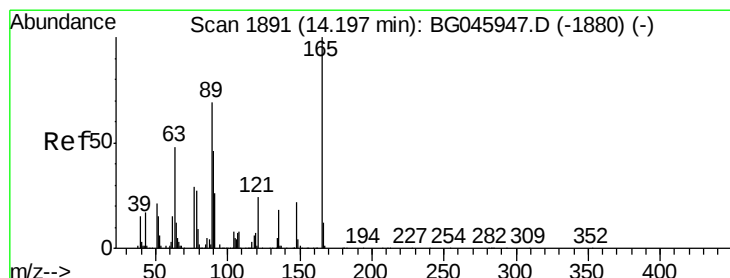
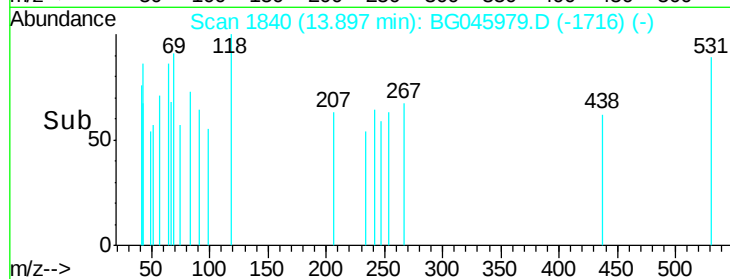
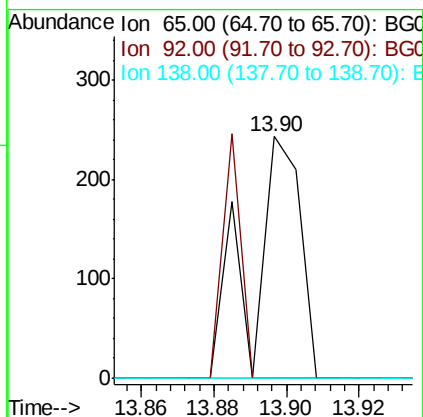
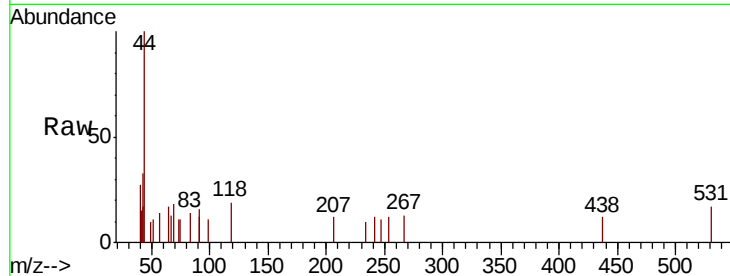




#48
2-Nitroaniline
Concen: 3.404 ng
RT: 13.90 min Scan# 1840
Delta R.T. 0.20 min
Lab File: BG045979.D
Acq: 8 Jul 2020 13:43

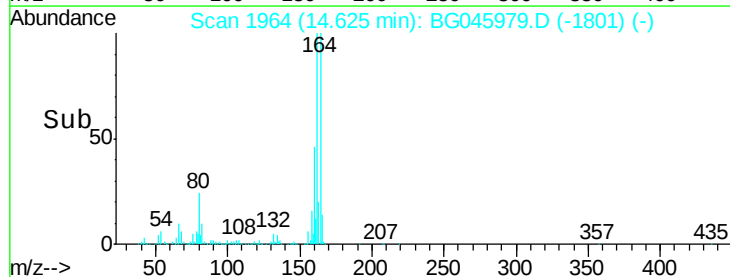
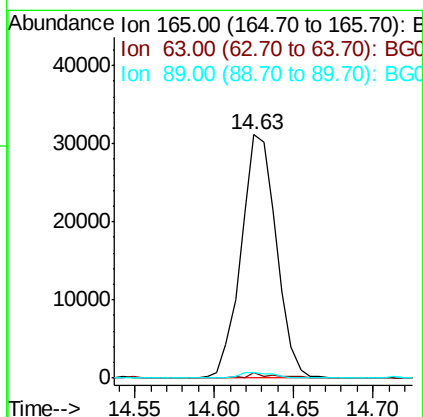
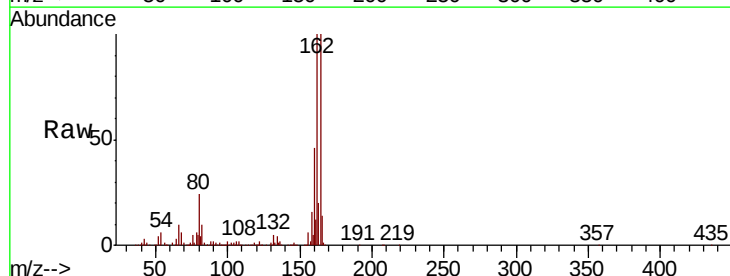
Instrument :
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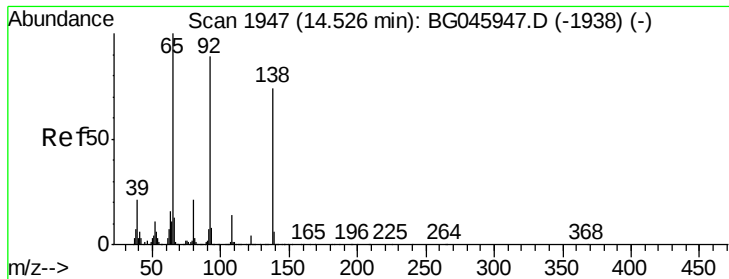
Tot Ion: 65 Resp: 222
Ion Ratio Lower Upper
65 100
92 0.0 55.4 83.0#
138 0.0 77.0 115.4#



#51
2,6-Dinitrotoluene
Concen: 12.430 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.43 min
Lab File: BG045979.D
Acq: 8 Jul 2020 13:43

Tgt Ion: 165 Resp: 47834
Ion Ratio Lower Upper
165 100
63 2.4 51.0 76.4#
89 2.3 55.7 83.5#





#53

3-Nitroaniline

Concen: 2.992 ng

RT: 14.77 min Scan# 1989

Delta R.T. 0.25 min

Lab File: BG045979.D

Acq: 8 Jul 2020 13:43

Instrument :

BNA_G

ClientSampleId :

PB129957BL

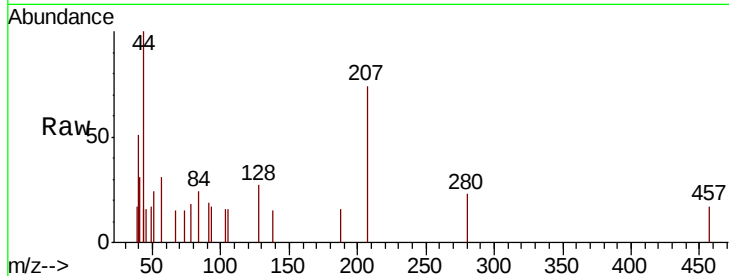
Tot Ion:138 Resp: 55

Ion Ratio Lower Upper

138 100

108 0.0 15.4 23.2#

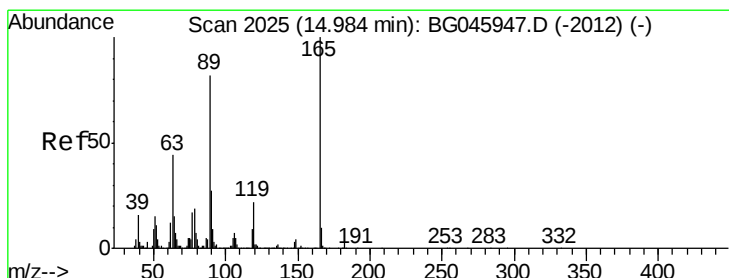
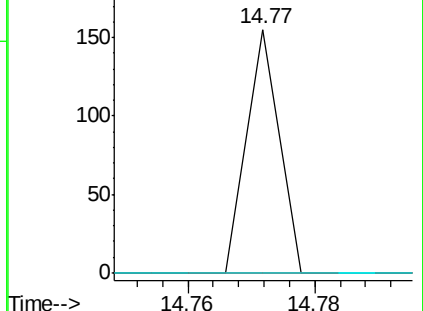
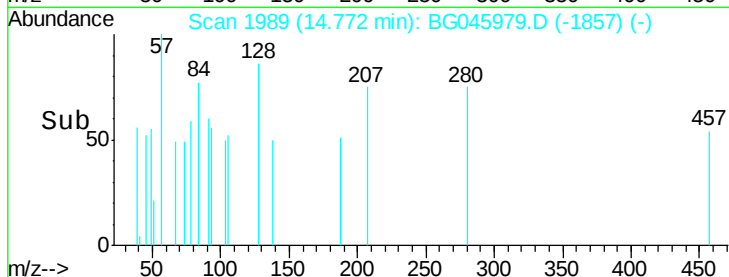
92 0.0 95.9 143.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#57

2,4-Dinitrotoluene

Concen: 10.967 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.36 min

Lab File: BG045979.D

Acq: 8 Jul 2020 13:43

Tgt Ion:165 Resp: 47834

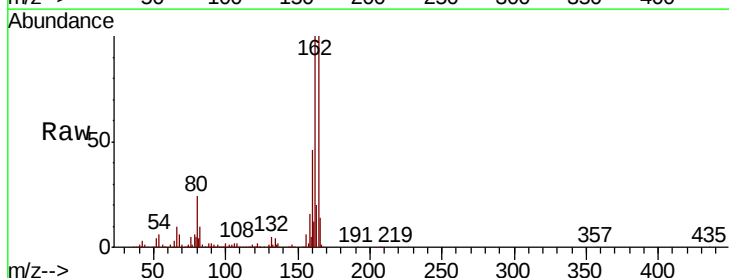
Ion Ratio Lower Upper

165 100

63 2.4 35.4 53.0#

89 2.3 65.4 98.2#

182 0.0 2.0 3.0#

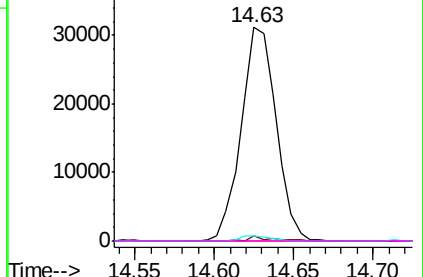
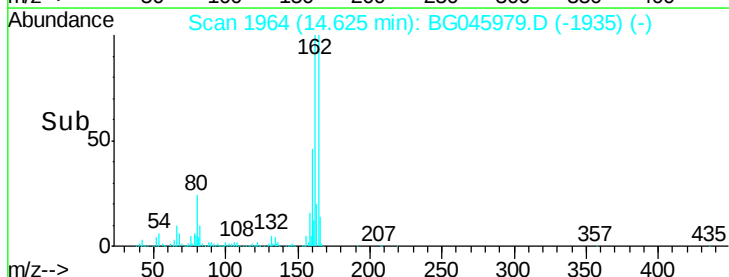


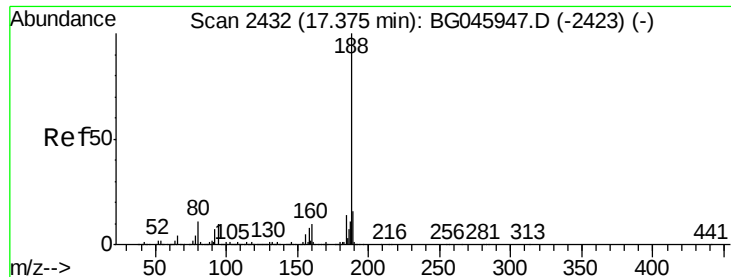
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.37 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BG045979.D

Acq: 8 Jul 2020 13:43

Instrument :

BNA_G

ClientSampleId :

PB129957BL

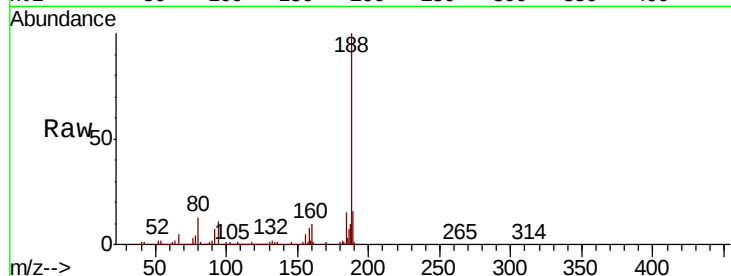
Tot Ion:188 Resp: 733205

Ion Ratio Lower Upper

188 100

94 11.2 8.2 12.4

80 12.8 9.0 13.6



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

600000

500000

400000

300000

200000

100000

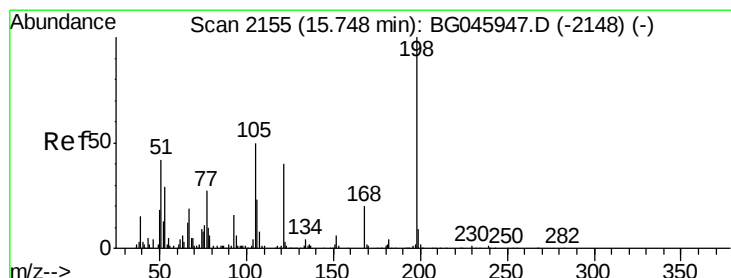
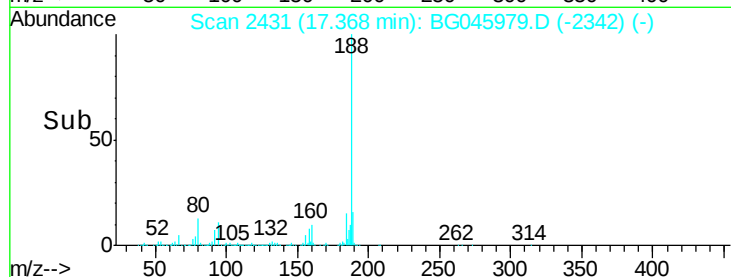
0

17.37

17.30

17.40

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 6.812 ng

RT: 15.76 min Scan# 2158

Delta R.T. 0.02 min

Lab File: BG045979.D

Acq: 8 Jul 2020 13:43

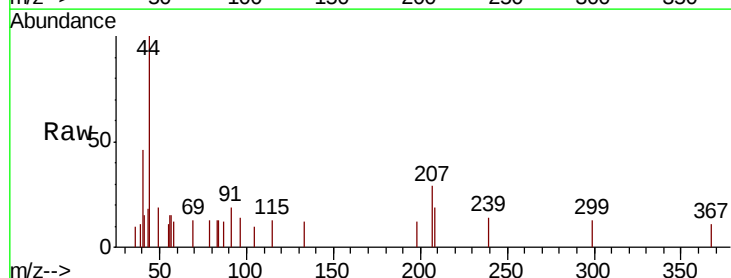
Tgt Ion:198 Resp: 63

Ion Ratio Lower Upper

198 100

51 0.0 24.5 64.5#

105 0.0 30.9 70.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

400

300

200

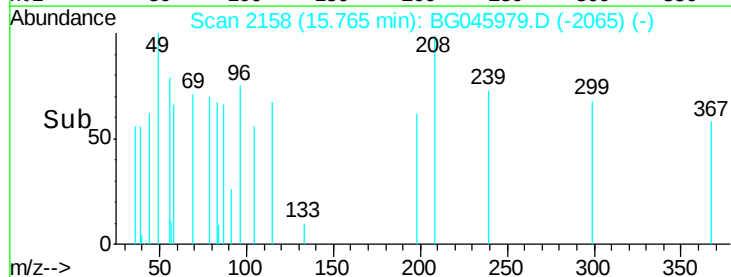
100

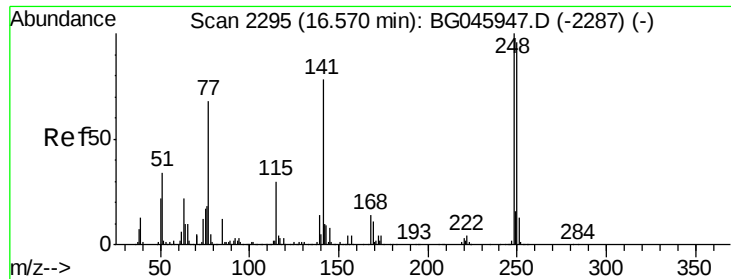
0

15.76

15.78

Time-->

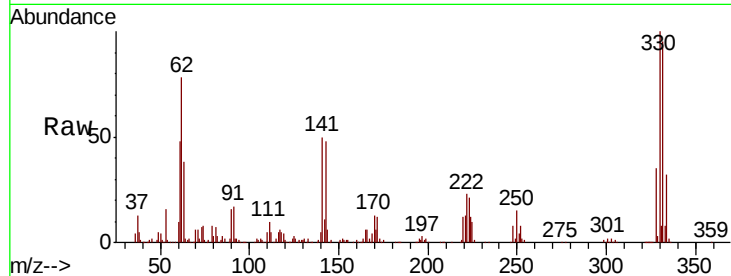




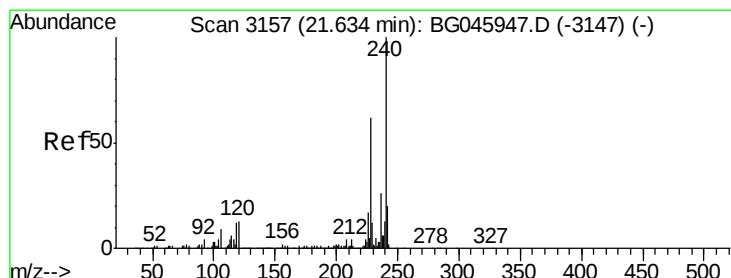
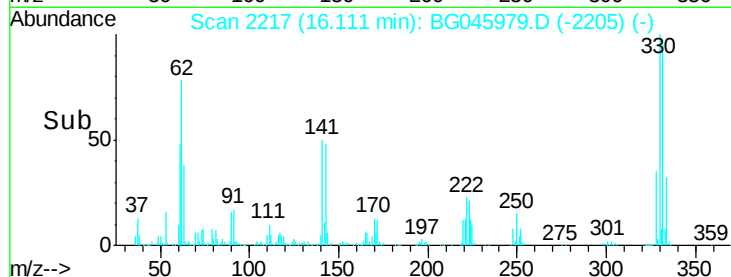
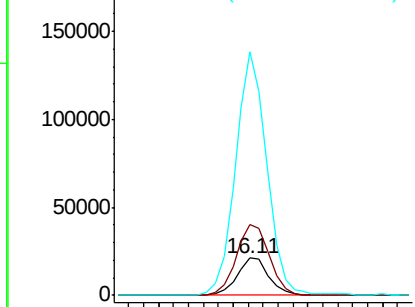
#67
4-Bromophenyl-phenylether
Concen: 3.796 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.46 min
Lab File: BG045979.D
Acq: 8 Jul 2020 13:43

Instrument :
BNA_G
ClientSampleId :
PB129957BL

Tot Ion:248 Resp: 31086
Ion Ratio Lower Upper
248 100
250 189.6 76.6 114.8#
141 650.5 62.7 94.1#

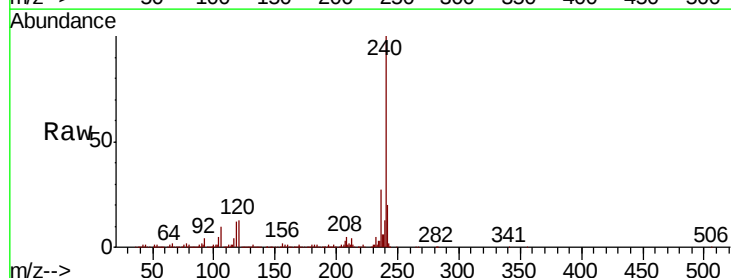


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

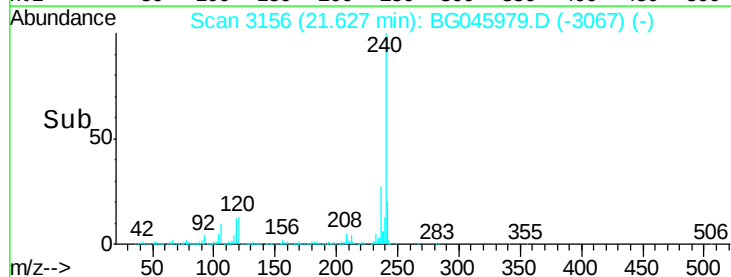
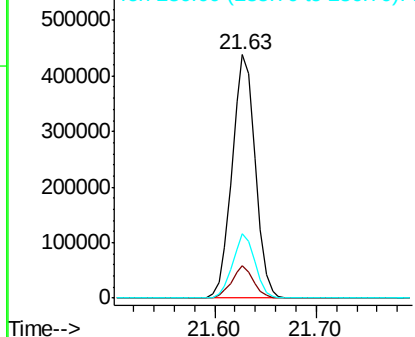


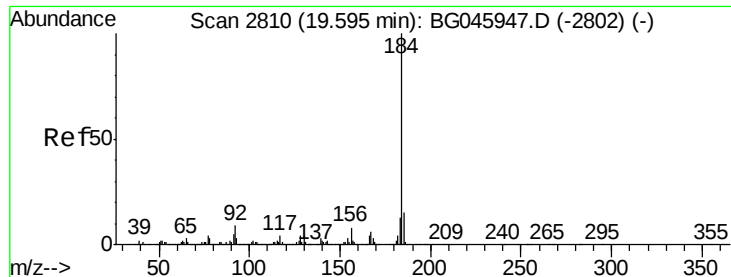
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG045979.D
Acq: 8 Jul 2020 13:43

Tgt Ion:240 Resp: 692489
Ion Ratio Lower Upper
240 100
120 13.3 10.6 16.0
236 26.7 20.4 30.6



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: 2.744 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.39 min

Lab File: BG045979.D

Acq: 8 Jul 2020 13:43

Instrument :

BNA_G

ClientSampleId :

PB129957BL

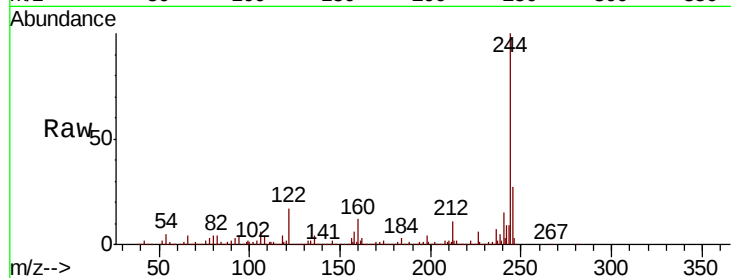
Tot Ion:184 Resp: 54330

Ion Ratio Lower Upper

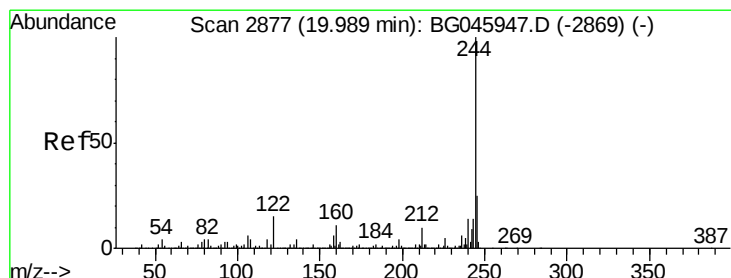
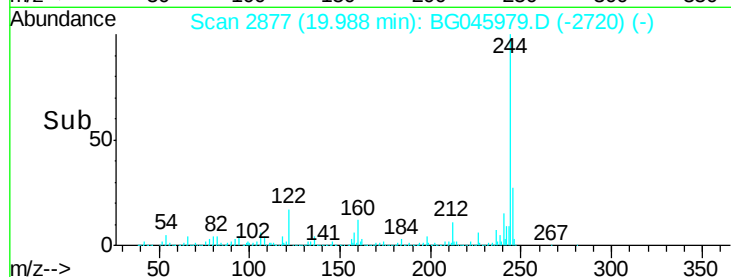
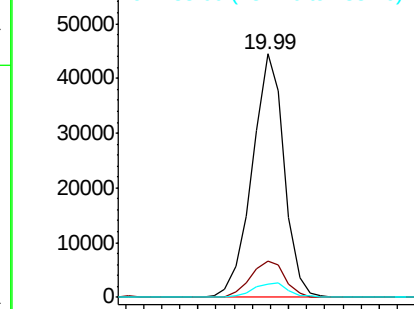
184 100

185 14.9 11.6 17.4

183 5.2 10.4 15.6#



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: 83.796 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045979.D

Acq: 8 Jul 2020 13:43

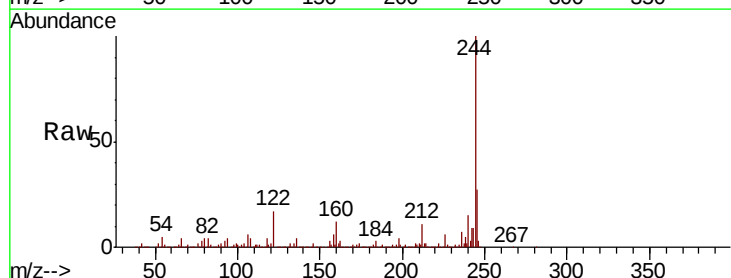
Tgt Ion:244 Resp: 2607382

Ion Ratio Lower Upper

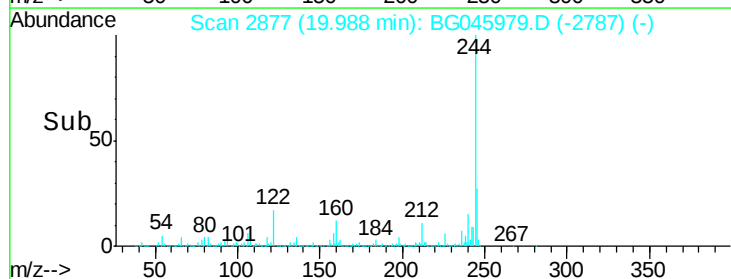
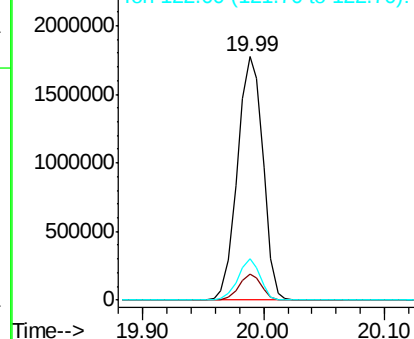
244 100

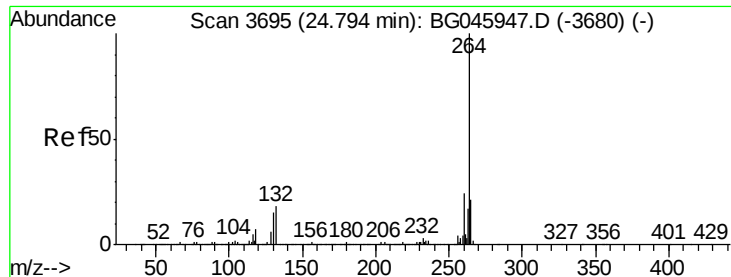
212 10.6 8.3 12.5

122 16.8 12.1 18.1



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
Pervlene-d12
Concen: 20.000 ng
RT: 24.79 min Scan# 3694
Delta R.T. -0.01 min
Lab File: BG045979.D
Acq: 8 Jul 2020 13:43

Instrument :
BNA_G
ClientSampleId :
PB129957BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	21.3	16.9	25.3

