

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092218\
 Data File : BG036905.D
 Acq On : 22 Sep 2018 23:22
 Operator : JU/SJ
 Sample : J5019-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 04:44:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 20:07:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	37283	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	158525	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	111284	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	294794	20.00	ng	0.00
75) Chrysene-d12	21.68	240	307669	20.00	ng	0.00
86) Perylene-d12	24.88	264	304515	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	97390	50.10	ng	0.00
7) Phenol-d6	7.21	99	87469	29.08	ng	0.00
23) Nitrobenzene-d5	9.21	82	315656	106.63	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	146467	110.01	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	761859	101.96	ng	0.00
78) Terphenyl-d14	20.02	244	1310783	112.03	ng	0.00

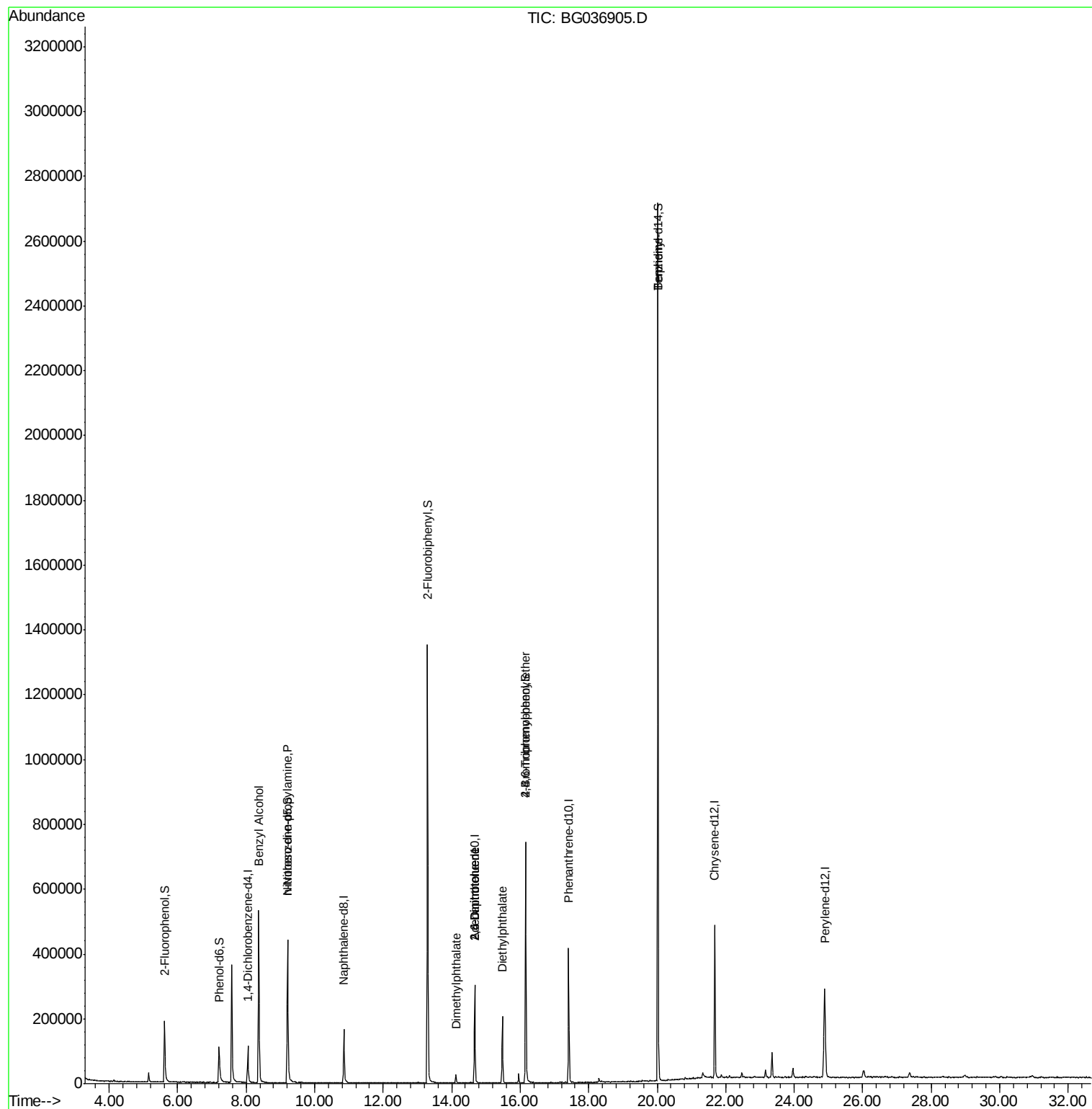
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.37	79	5063	2.075	ng	# 45
19) n-Nitroso-di-n-propylamine	9.21	70	41165	16.452	ng	# 70
49) Dimethylphthalate	14.12	163	22687	2.533	ng	# 94
50) 2,6-Dinitrotoluene	14.67	165	13974	7.150	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	13974	5.124	ng	# 21
59) Diethylphthalate	15.48	149	119773	13.257	ng	# 98
66) 4-Bromophenyl-phenylether	16.16	248	10809	3.224	ng	# 1
76) Benzidine	20.02	184	23394	2.515	ng	# 93

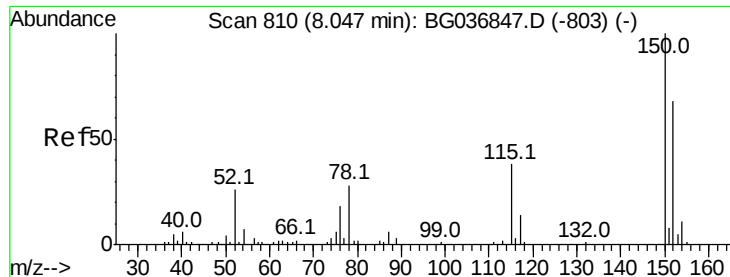
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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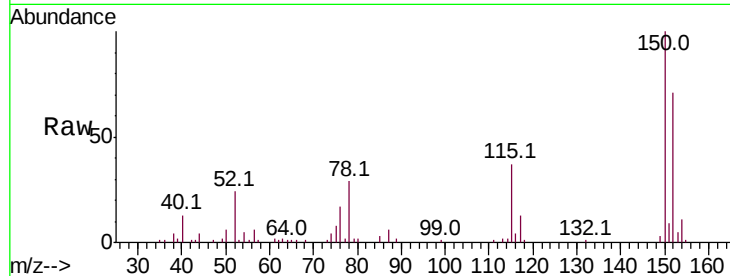


#1

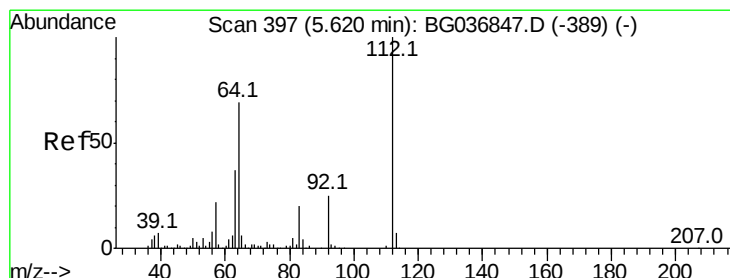
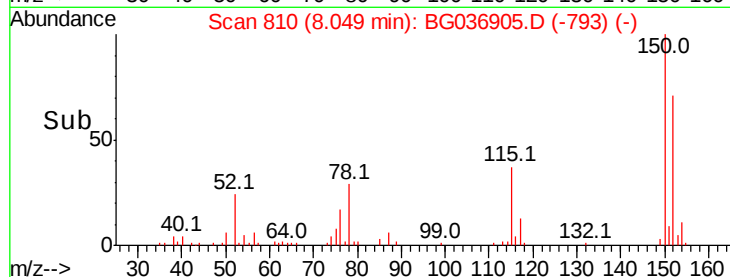
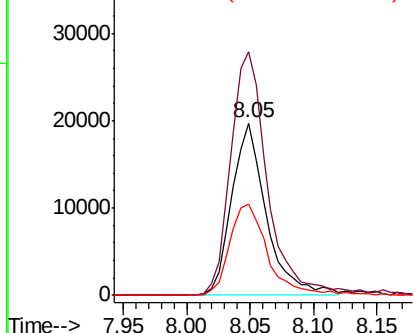
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. 0.00 min
Lab File: BG036905.D
Acq: 22 Sep 2018 23:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.6	119.5	179.3
115	52.8	44.5	66.7



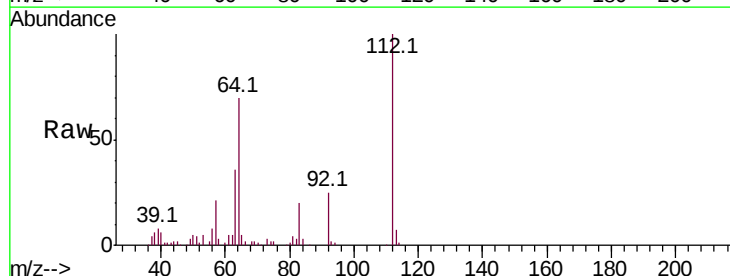
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



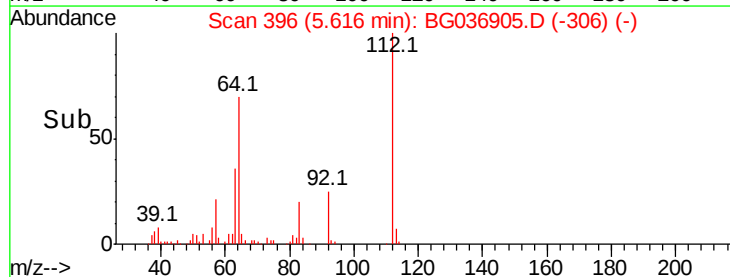
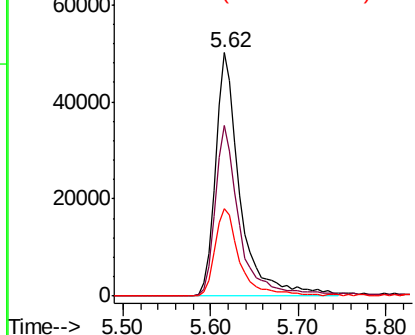
#5

2-Fluorophenol
Concen: 50.096 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG036905.D
Acq: 22 Sep 2018 23:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.0	57.2	85.8
63	36.0	30.8	46.2



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: 29.081 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG036905.D

Acq: 22 Sep 2018 23:22

Instrument :

BNA_G

ClientSampled :

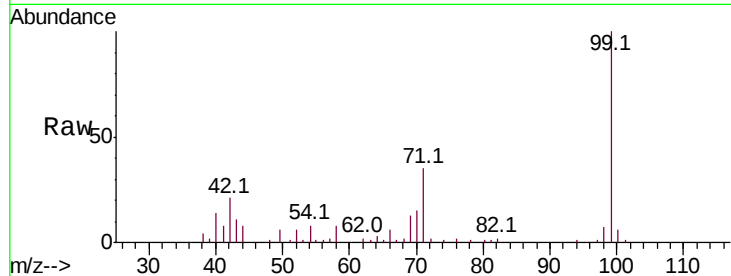
Tot Ion: 99 Resp: 87469

Ion Ratio Lower Upper

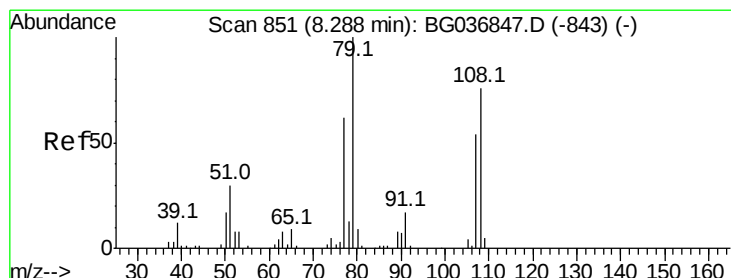
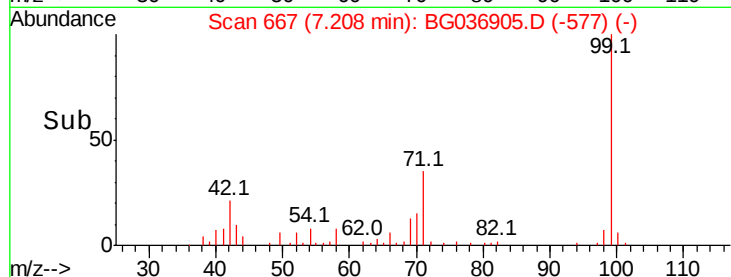
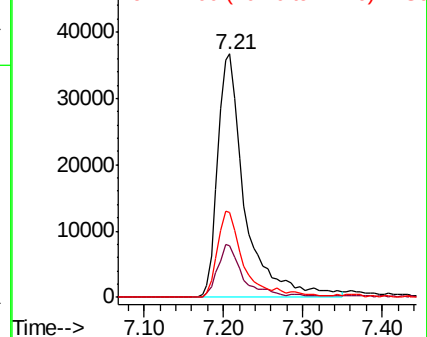
99 100

42 21.2 16.5 24.7

71 34.7 29.4 44.2



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



#15

Benzyl Alcohol

Concen: 2.075 ng

RT: 8.37 min Scan# 864

Delta R.T. 0.08 min

Lab File: BG036905.D

Acq: 22 Sep 2018 23:22

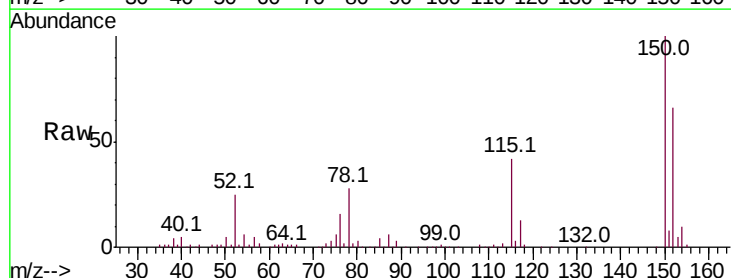
Tgt Ion: 79 Resp: 5063

Ion Ratio Lower Upper

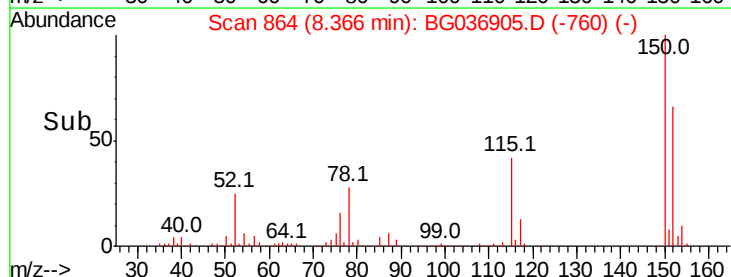
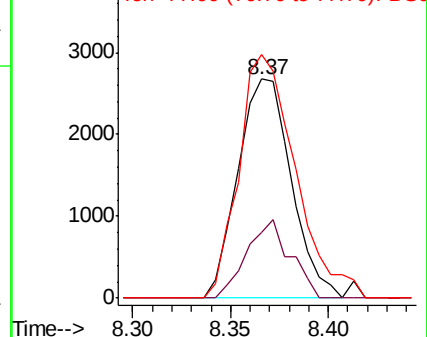
79 100

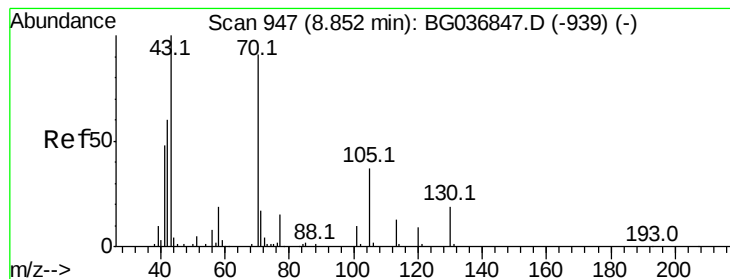
108 30.1 55.9 83.9#

77 111.2 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.452 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036905.D

Acq: 22 Sep 2018 23:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 41165

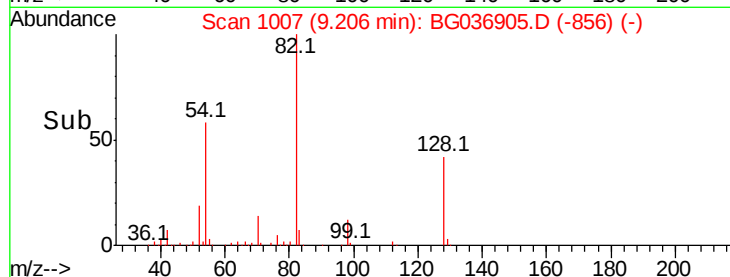
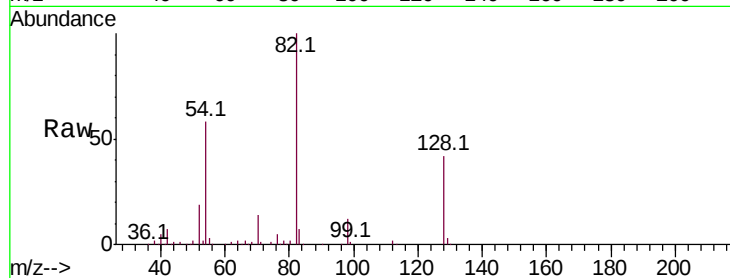
Ion Ratio Lower Upper

70 100

42 48.0 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BG036905.D (-856) (-)

Ion 42.00 (41.70 to 42.70): BG036905.D (-856) (-)

Ion 101.00 (100.70 to 101.70): BG036905.D (-856) (-)

Ion 130.00 (129.70 to 130.70): BG036905.D (-856) (-)

Time-->

9.15 9.20 9.25 9.30

Abundance

30000

25000

20000

15000

10000

5000

0

Time-->

9.15 9.20 9.25 9.30

Abundance

30000

25000

20000

15000

10000

5000

0

Time-->

9.15 9.20 9.25 9.30

Abundance

30000

25000

20000

15000

10000

5000

0

Time-->

9.15 9.20 9.25 9.30

Abundance

30000

25000

20000

15000

10000

5000

0

Time-->

9.15 9.20 9.25 9.30

Abundance

30000

25000

20000

15000

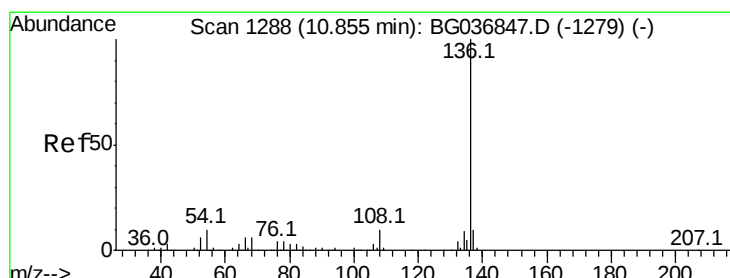
10000

5000

0

Time-->

9.15 9.20 9.25 9.30



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BG036905.D

Acq: 22 Sep 2018 23:22

Tgt Ion:136 Resp: 158525

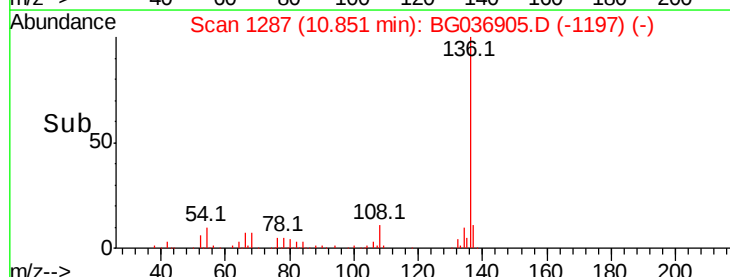
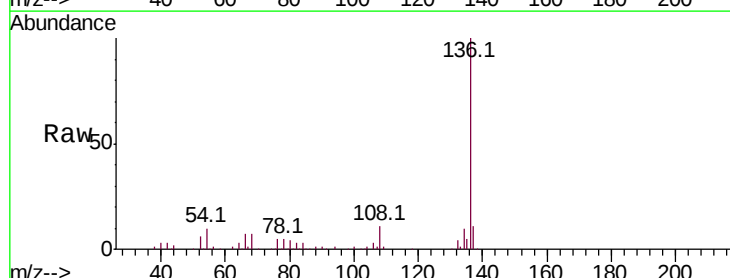
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 10.2 9.2 13.8

68 6.8 5.8 8.6



Abundance Ion 136.00 (135.70 to 136.70): BG036905.D (-1197) (-)

Ion 137.00 (136.70 to 137.70): BG036905.D (-1197) (-)

Ion 54.00 (53.70 to 54.70): BG036905.D (-1197) (-)

Ion 68.00 (67.70 to 68.70): BG036905.D (-1197) (-)

Time-->

10.80 10.90 11.00

Abundance

120000

100000

80000

60000

40000

20000

0

Time-->

10.80 10.90 11.00

Abundance

120000

100000

80000

60000

40000

20000

0

Time-->

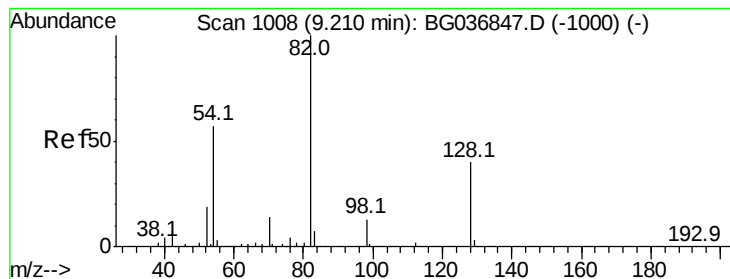
10.80 10.90 11.00

Abundance

120000

100000

80000



#23

Nitrobenzene-d5

Concen: 106.631 ng

RT: 9.21 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BG036905.D

Acq: 22 Sep 2018 23:22

Instrument :

BNA_G

ClientSampleId :

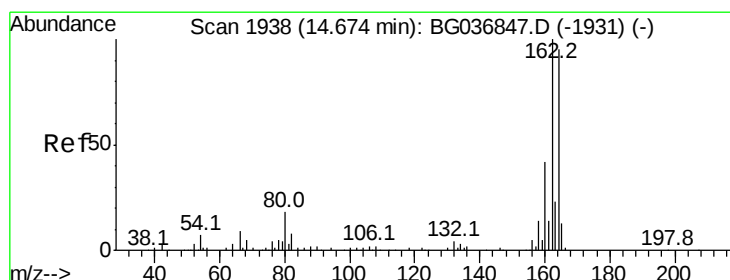
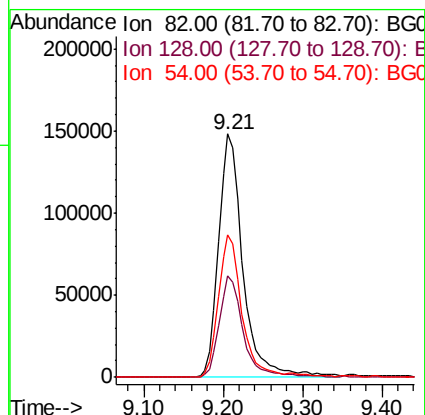
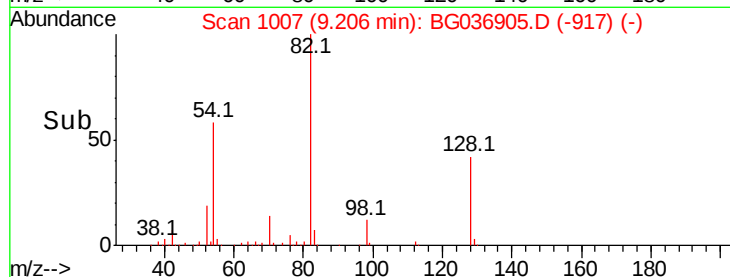
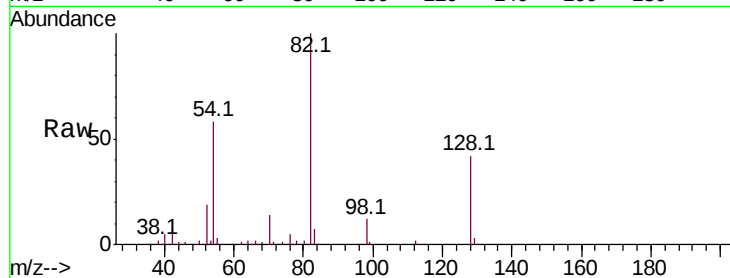
Tot Ion: 82 Resp: 315656

Ion Ratio Lower Upper

82 100

128 41.5 33.3 49.9

54 58.4 45.1 67.7



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.00 min

Lab File: BG036905.D

Acq: 22 Sep 2018 23:22

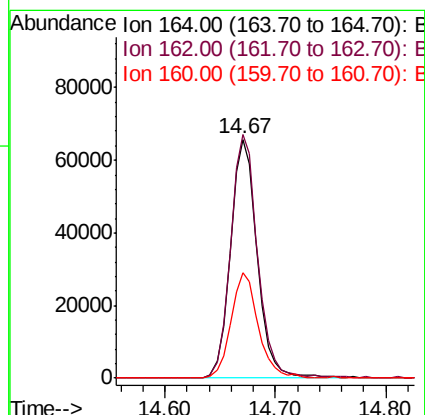
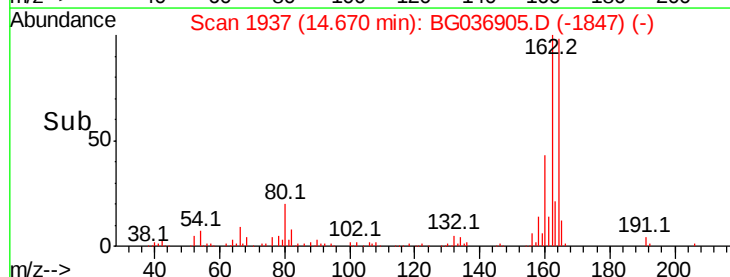
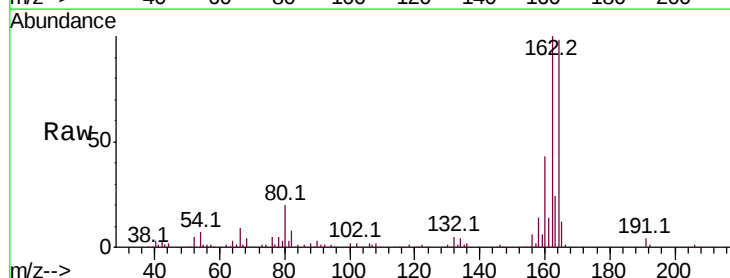
Tgt Ion: 164 Resp: 111284

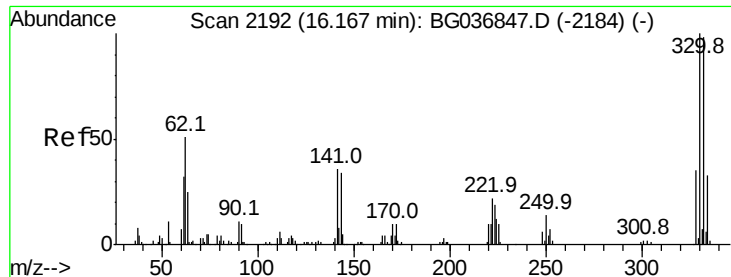
Ion Ratio Lower Upper

164 100

162 101.9 80.7 121.1

160 43.9 35.3 52.9

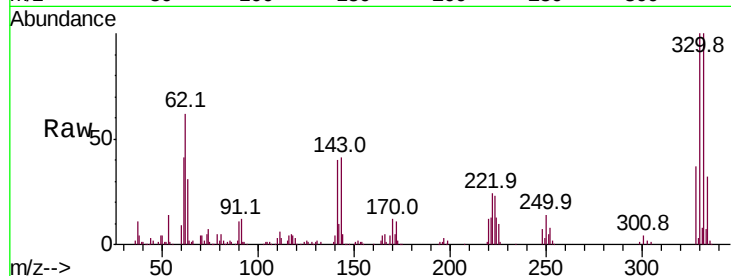




#41
 2,4,6-Tribromophenol
 Concen: 110.006 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG036905.D
 Acq: 22 Sep 2018 23:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	75.4	113.2
141	37.9	30.7	46.1

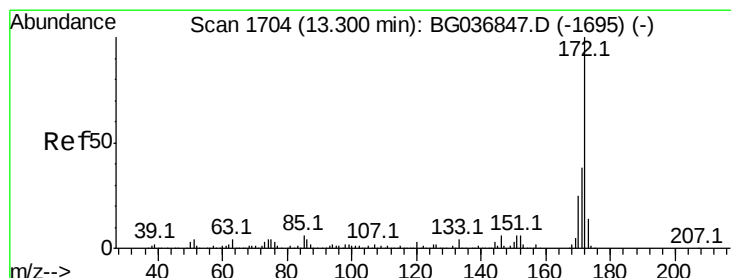
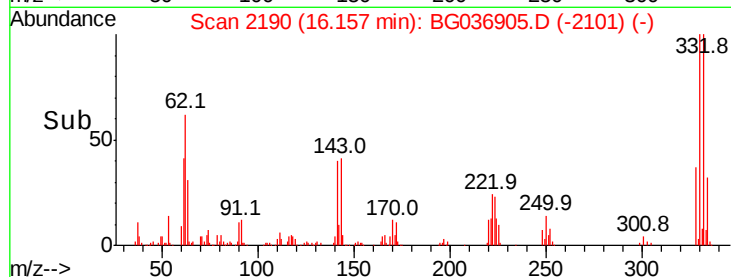
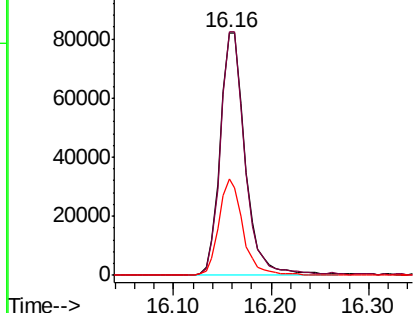


Abundance

Ion 329.80 (329.50 to 330.50): E

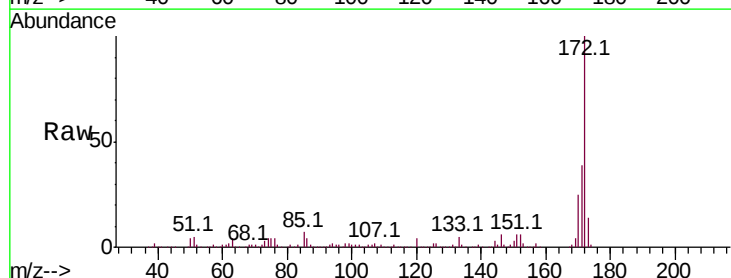
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 101.965 ng
 RT: 13.30 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG036905.D
 Acq: 22 Sep 2018 23:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	31.3	46.9
170	25.3	21.0	31.6

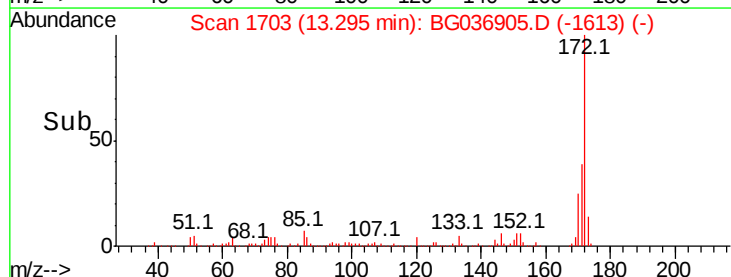
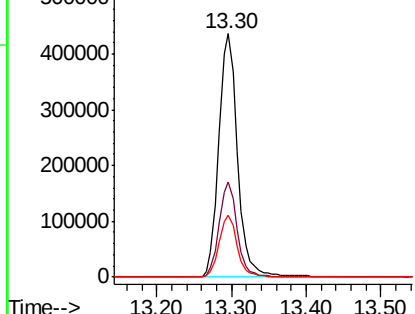


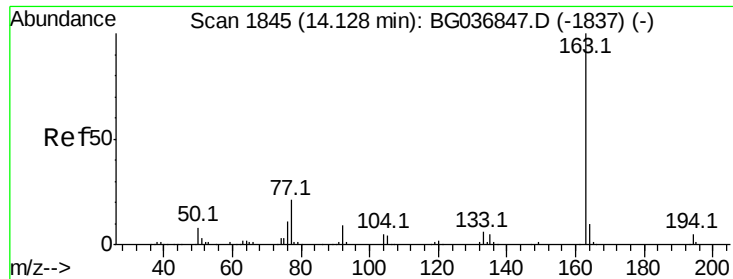
Abundance

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





#49

Dimethylphthalate

Concen: 2.533 ng

RT: 14.12 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BG036905.D

Acq: 22 Sep 2018 23:22

Instrument :

BNA_G

ClientSampleId :

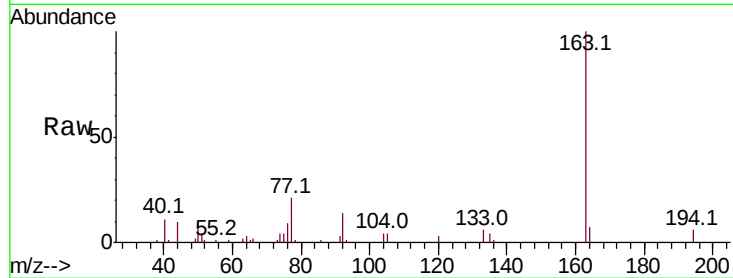
Tot Ion:163 Resp: 22687

Ion Ratio Lower Upper

163 100

194 5.7 4.0 6.0

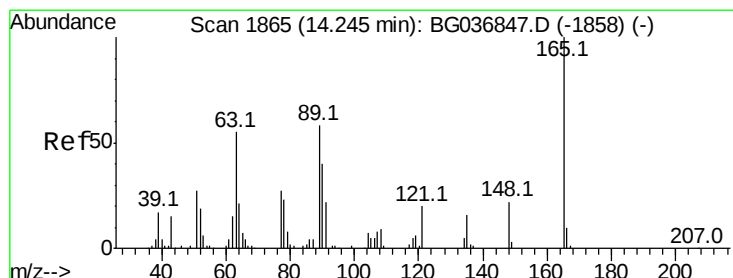
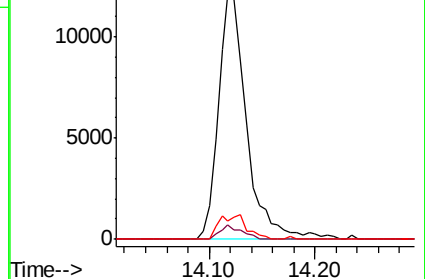
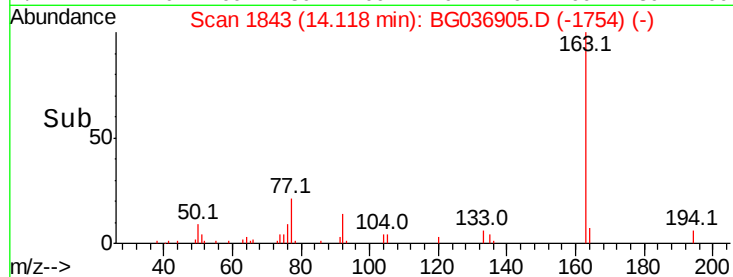
164 7.3 8.1 12.1#



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



#50

2,6-Dinitrotoluene

Concen: 7.150 ng

RT: 14.67 min Scan# 1937

Delta R.T. 0.42 min

Lab File: BG036905.D

Acq: 22 Sep 2018 23:22

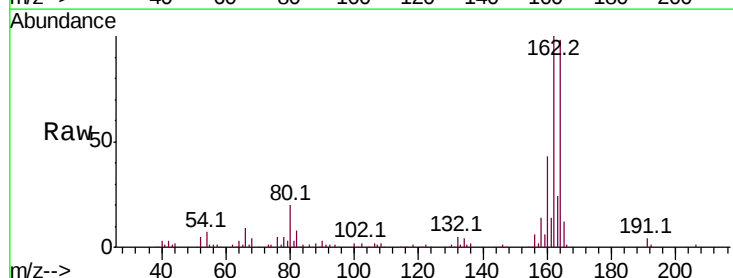
Tgt Ion:165 Resp: 13974

Ion Ratio Lower Upper

165 100

63 1.9 50.1 75.1#

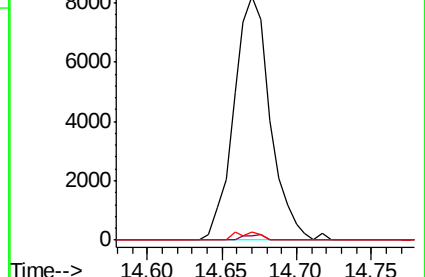
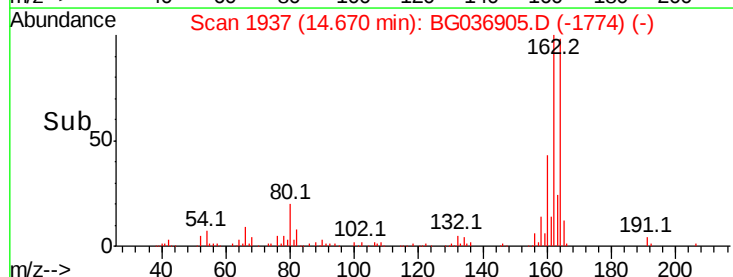
89 3.1 47.8 71.6#

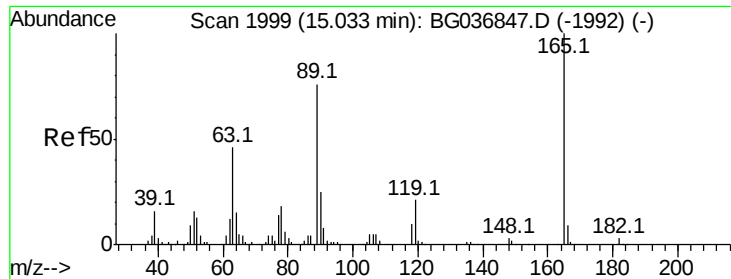


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

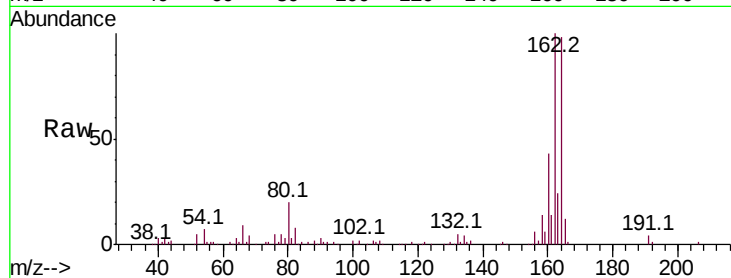




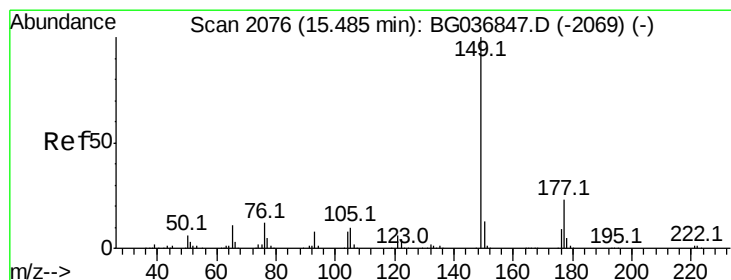
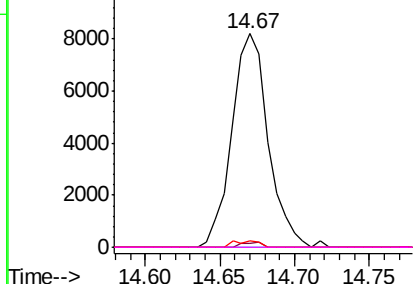
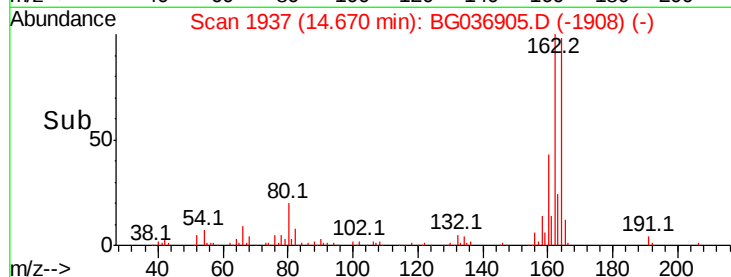
#56
2,4-Dinitrotoluene
Concen: 5.124 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.36 min
Lab File: BG036905.D
Acq: 22 Sep 2018 23:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 13974
Ion Ratio Lower Upper
165 100
63 1.9 40.1 60.1#
89 3.1 63.7 95.5#
182 0.0 2.5 3.7#

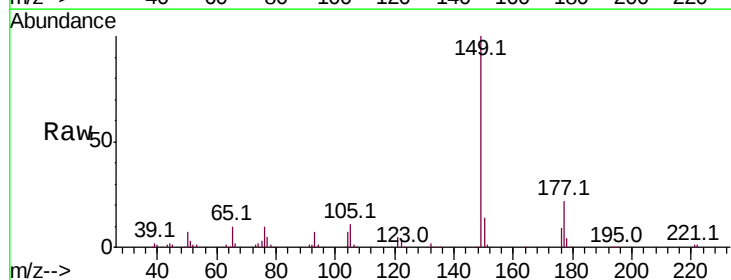


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

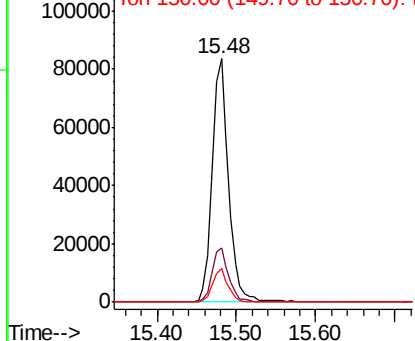
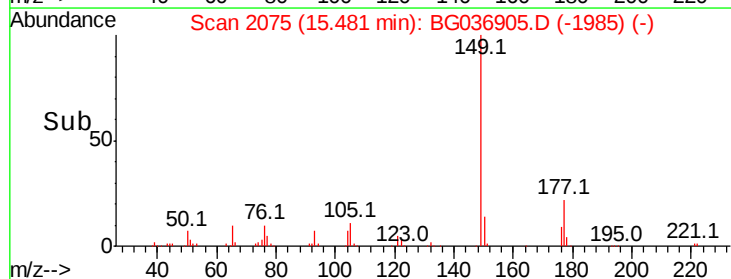


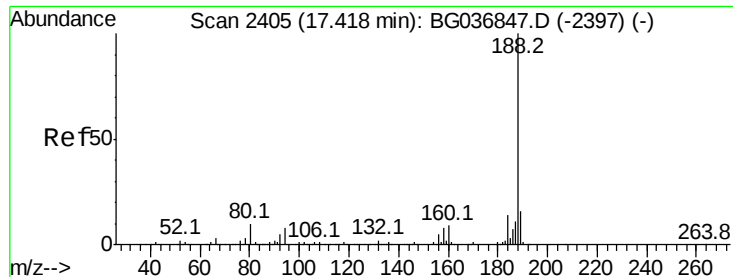
#59
Diethylphthalate
Concen: 13.257 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BG036905.D
Acq: 22 Sep 2018 23:22

Tgt Ion:149 Resp: 119773
Ion Ratio Lower Upper
149 100
177 22.4 19.1 28.7
150 13.7 10.7 16.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

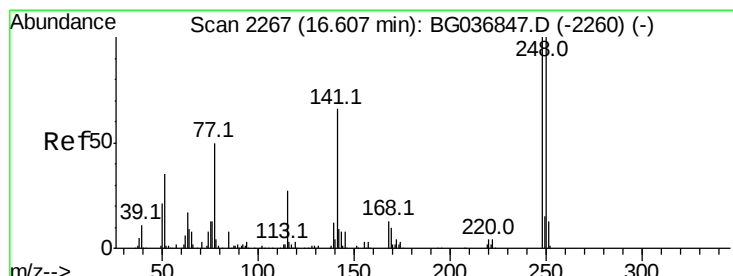
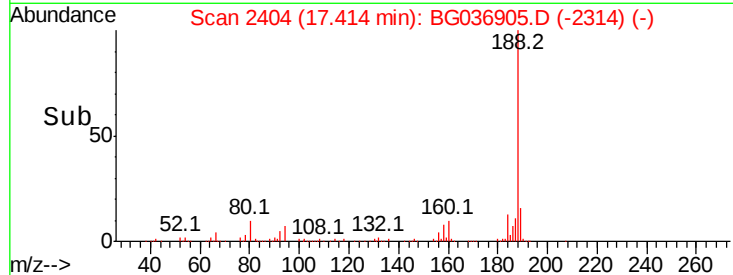
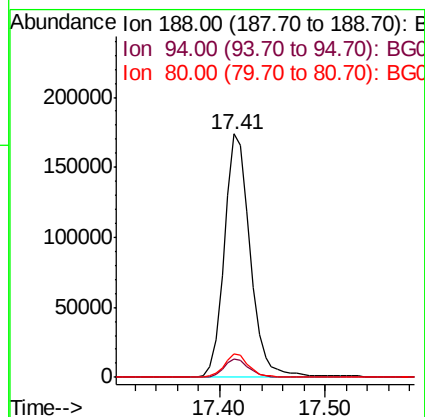
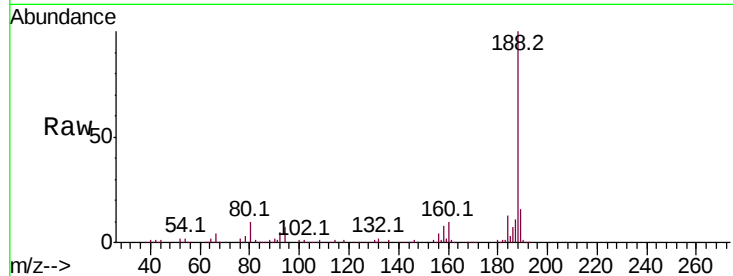




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.00 min
 Lab File: BG036905.D
 Acq: 22 Sep 2018 23:22

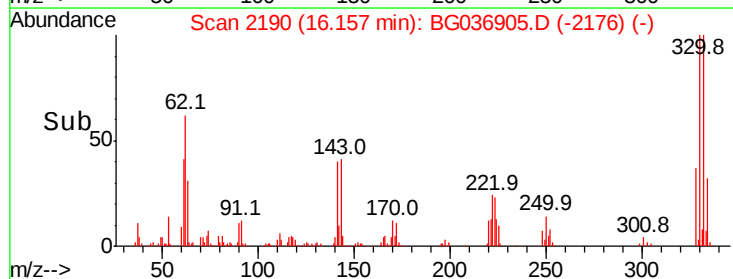
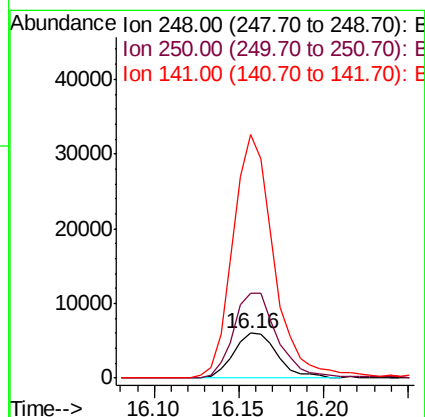
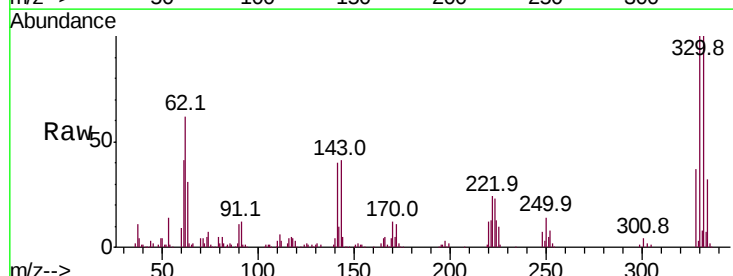
Instrument :
 BNA_G
 ClientSampleId :

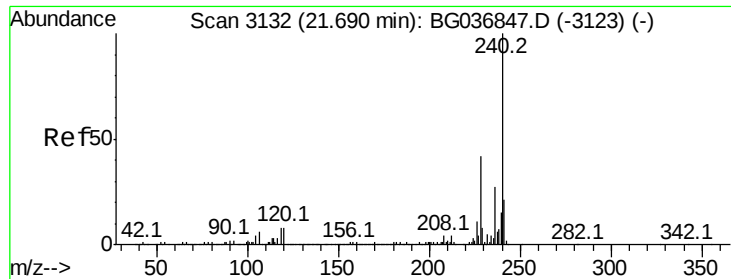
Tot Ion:188 Resp: 294794
 Ion Ratio Lower Upper
 188 100
 94 7.5 6.7 10.1
 80 9.5 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 3.224 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036905.D
 Acq: 22 Sep 2018 23:22

Tgt Ion:248 Resp: 10809
 Ion Ratio Lower Upper
 248 100
 250 189.1 78.1 117.1#
 141 539.2 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG036905.D

Acq: 22 Sep 2018 23:22

Instrument :

BNA_G

ClientSampleId :

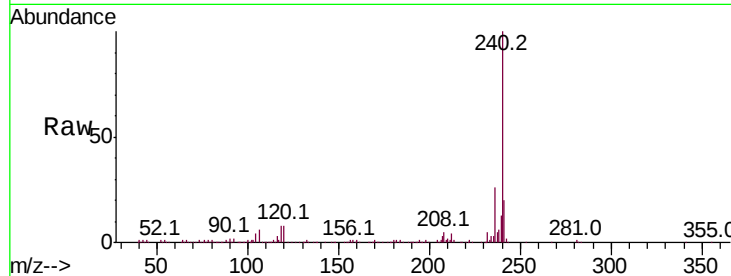
Tot Ion:240 Resp: 307669

Ion Ratio Lower Upper

240 100

120 8.0 6.9 10.3

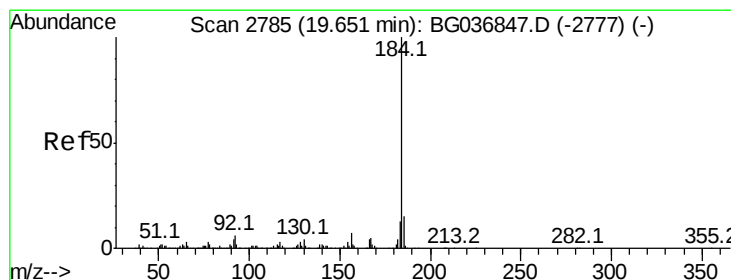
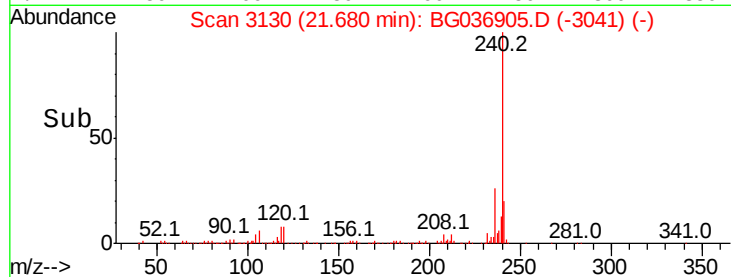
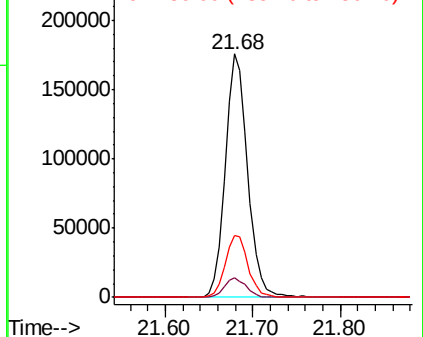
236 25.6 21.2 31.8



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



#76

Benzidine

Concen: 2.515 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036905.D

Acq: 22 Sep 2018 23:22

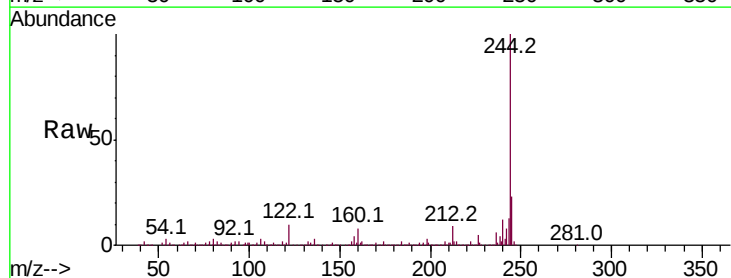
Tgt Ion:184 Resp: 23394

Ion Ratio Lower Upper

184 100

185 17.3 12.6 18.8

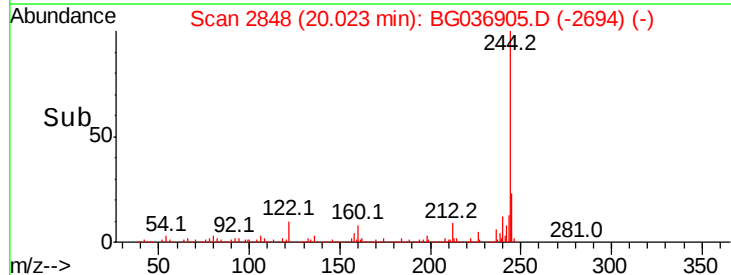
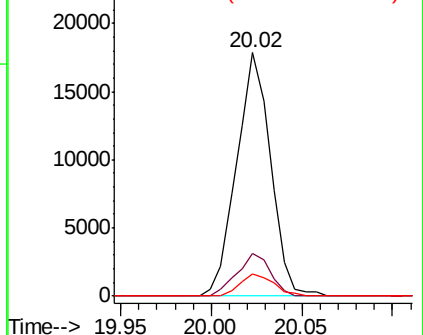
183 9.0 10.9 16.3#

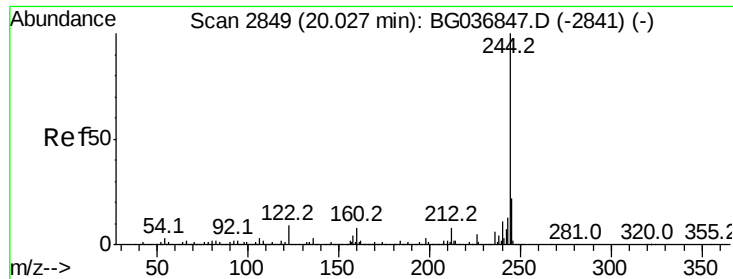


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



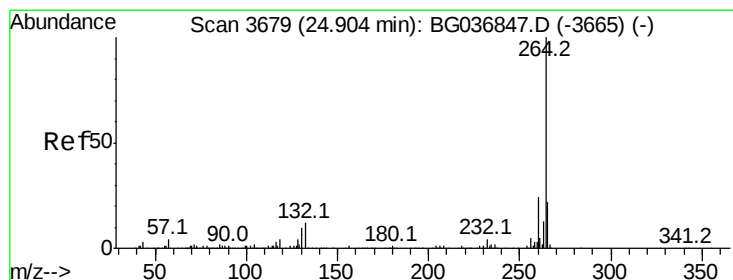
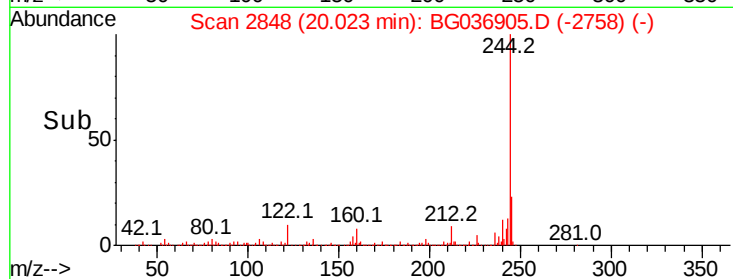
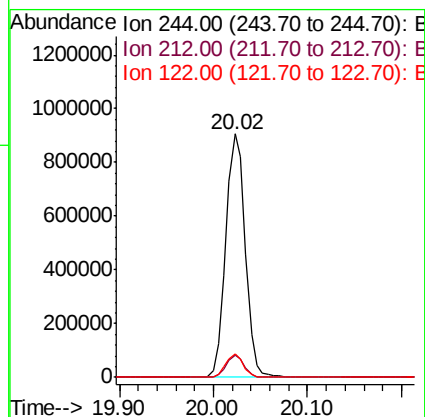
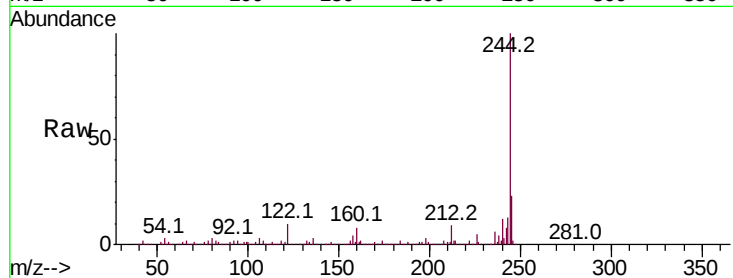


#78
 Terphenyl-d14
 Concen: 112.026 ng
 RT: 20.02 min Scan# 2848
 Delta R.T. -0.00 min
 Lab File: BG036905.D
 Acq: 22 Sep 2018 23:22

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1310783

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.6
122	9.6	7.1	10.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3675
 Delta R.T. -0.02 min
 Lab File: BG036905.D
 Acq: 22 Sep 2018 23:22

Tgt Ion:264 Resp: 304515

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	22.0	17.4	26.0

