

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038941.D
 Acq On : 4 Jan 2019 22:25
 Operator : JU/SJ
 Sample : K1029-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 23:25:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

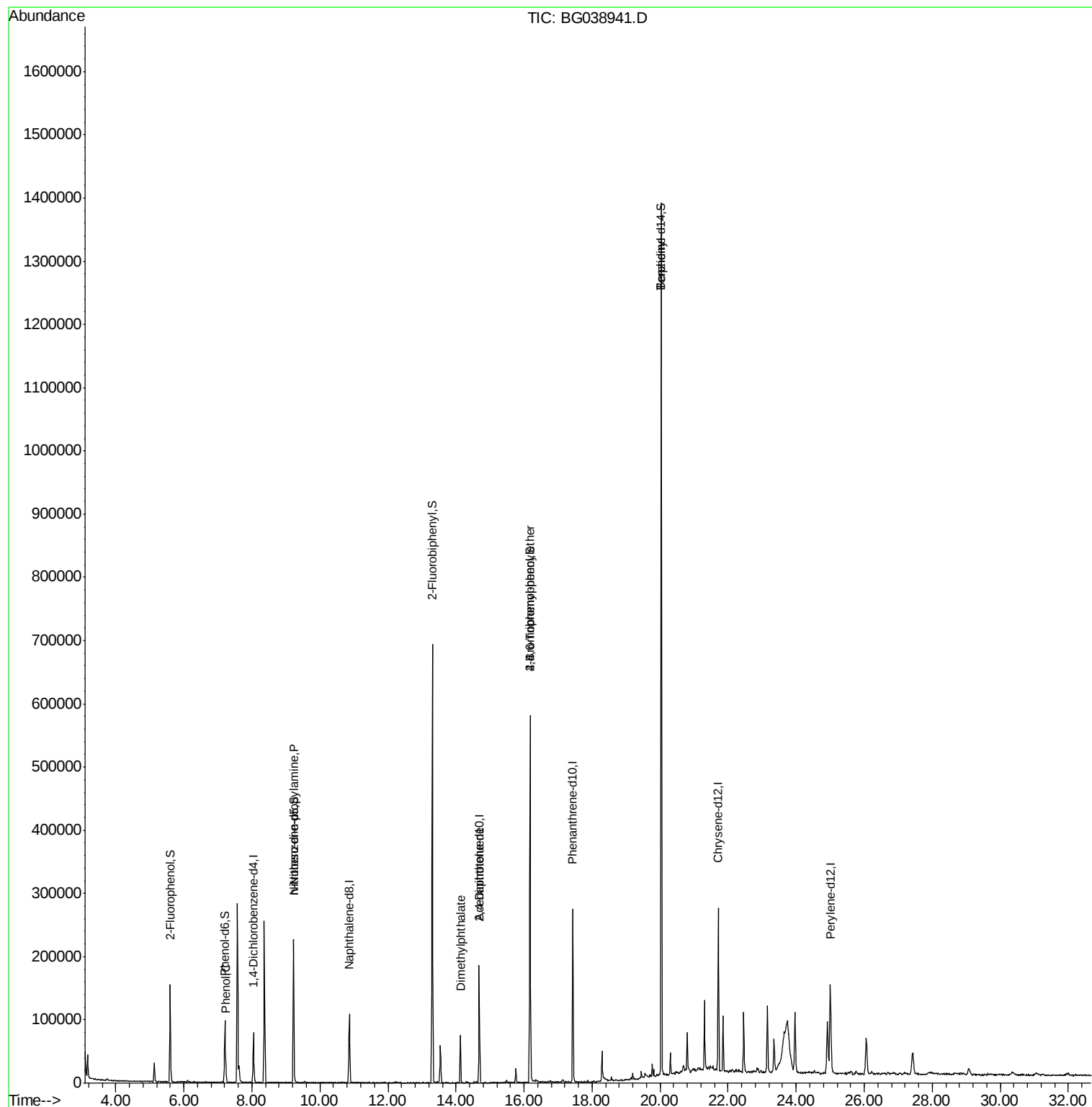
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	24097	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	96817	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	70224	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	177886	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	170757	20.00	ng	-0.02
87) Perylene-d12	25.01	264	182213	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	68337	50.30	ng	0.00
7) Phenol-d6	7.20	99	58801	31.53	ng	0.00
23) Nitrobenzene-d5	9.22	82	135354	71.42	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	127601	131.84	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	377303	73.71	ng	-0.02
79) Terphenyl-d14	20.03	244	707068	90.12	ng	-0.01
Target Compounds						
10) Phenol	7.23	94	10908	5.505	ng	94
19) n-Nitroso-di-n-propylamine	9.22	70	18548	14.159	ng	# 66
50) Dimethylphthalate	14.13	163	56902	9.922	ng	98
57) 2,4-Dinitrotoluene	14.68	165	9146	4.997	ng	# 21
67) 4-Bromophenyl-phenylether	16.17	248	7895	3.634	ng	# 1
77) Benzidine	20.03	184	11547	2.287	ng	# 95

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

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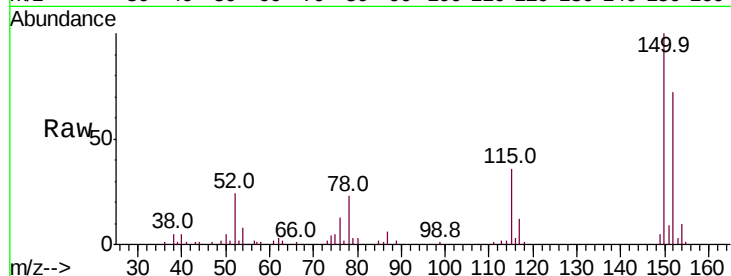


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038941.D
Acq: 4 Jan 2019 22:25

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.6	119.5	179.3
115	50.3	49.6	74.4

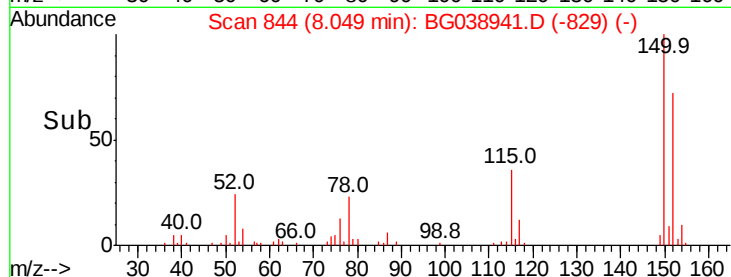
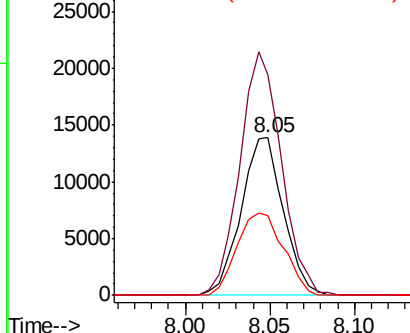


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

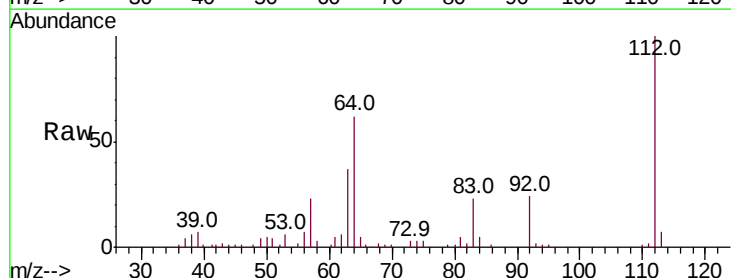
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.299 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG038941.D
Acq: 4 Jan 2019 22:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	53.4	80.2
63	37.2	29.3	43.9

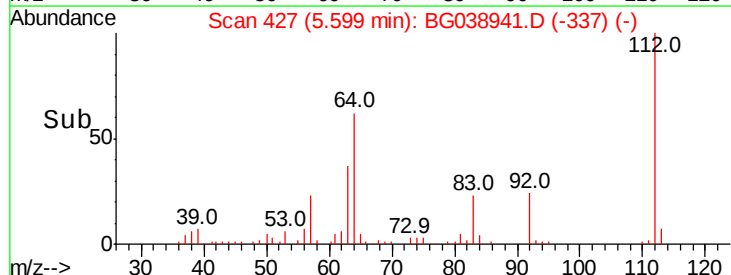
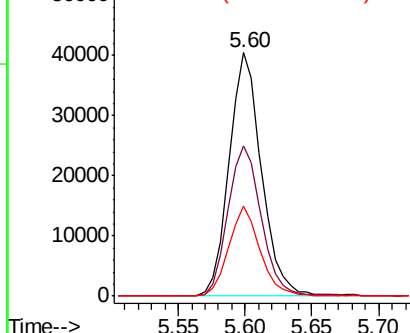


Abundance

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: 31.527 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG038941.D

Acq: 4 Jan 2019 22:25

Instrument :

BNA_G

ClientSampleId :

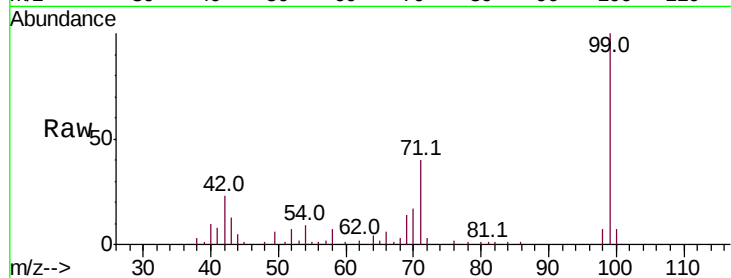
Tot Ion: 99 Resp: 58801

Ion Ratio Lower Upper

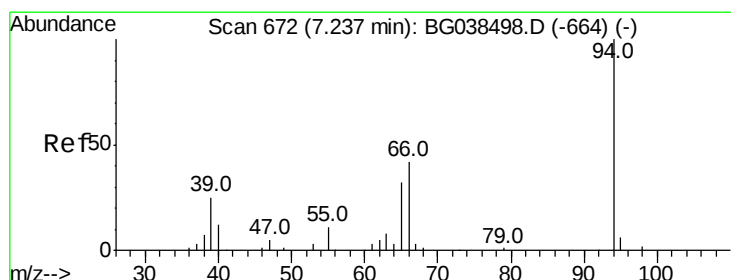
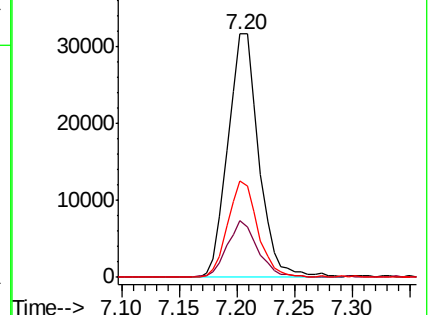
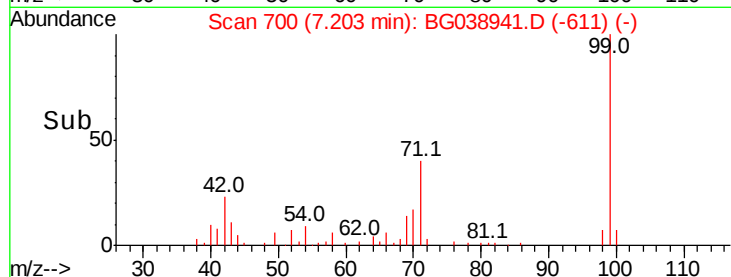
99 100

42 23.3 18.5 27.7

71 39.7 31.1 46.7



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



#10

Phenol

Concen: 5.505 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG038941.D

Acq: 4 Jan 2019 22:25

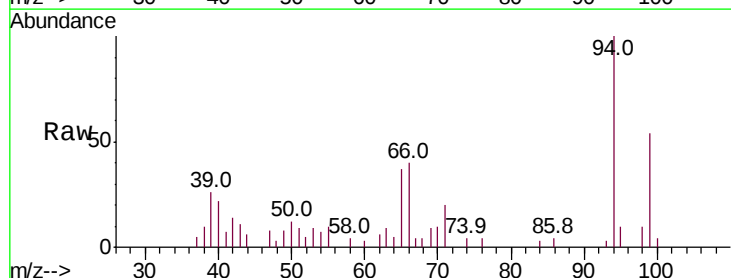
Tgt Ion: 94 Resp: 10908

Ion Ratio Lower Upper

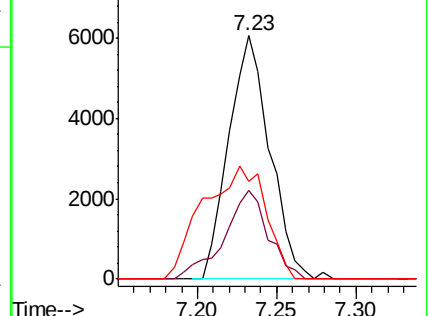
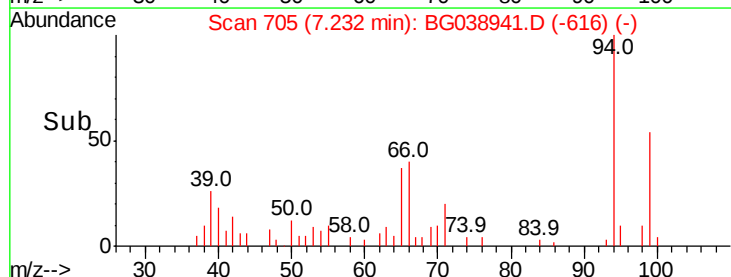
94 100

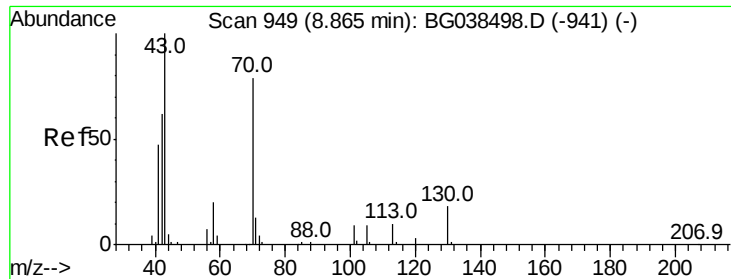
65 36.7 12.6 52.6

66 40.4 24.1 64.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

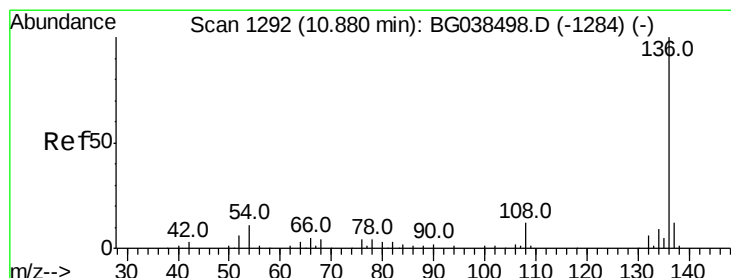
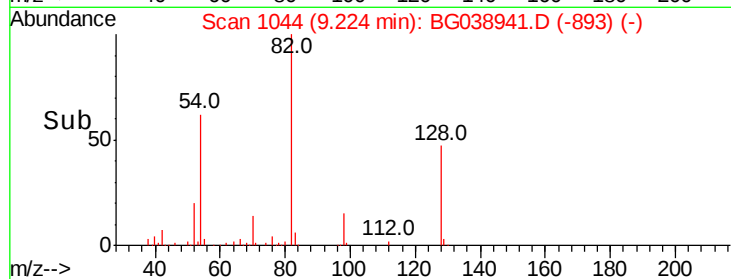
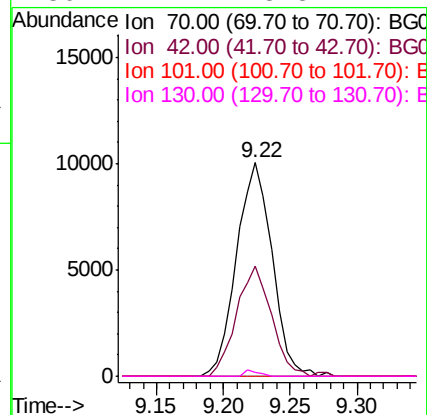
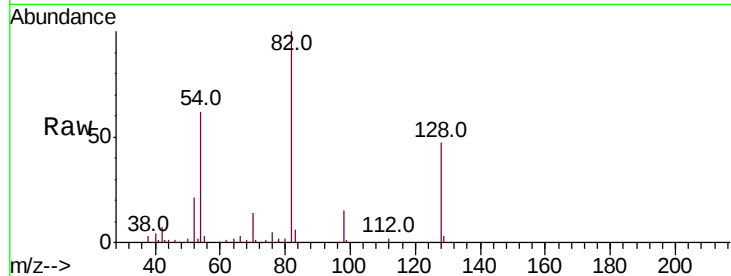




#19
n-Nitroso-di-n-propylamine
Concen: 14.159 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.36 min
Lab File: BG038941.D
Acq: 4 Jan 2019 22:25

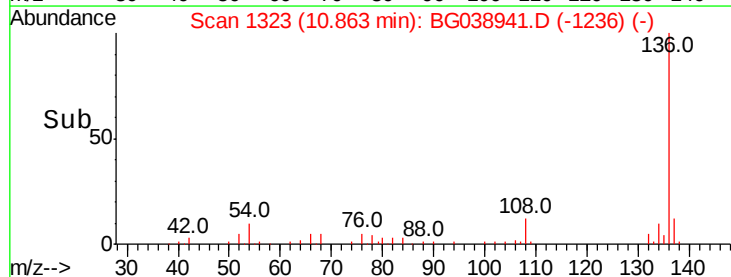
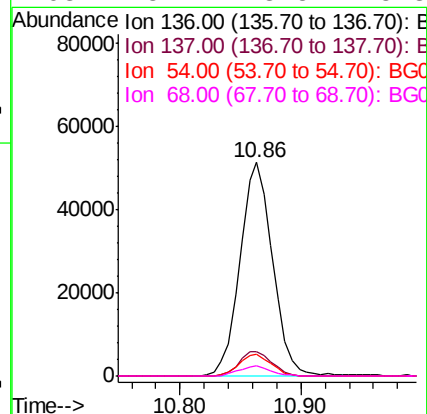
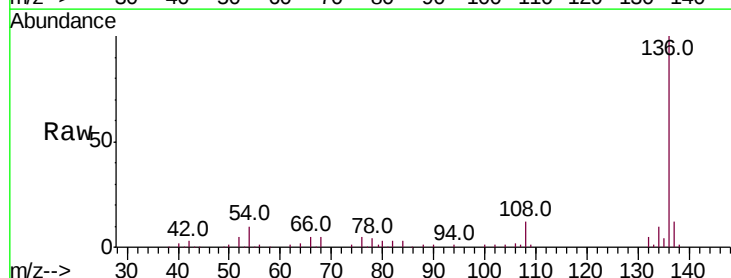
Instrument :
BNA_G
ClientSampleId :

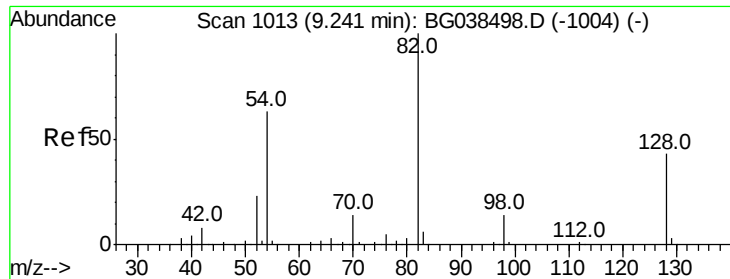
Tot Ion: 70 Resp: 18548
Ion Ratio Lower Upper
70 100
42 51.5 63.6 95.4#
101 0.0 9.2 13.8#
130 2.1 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038941.D
Acq: 4 Jan 2019 22:25

Tgt Ion: 136 Resp: 96817
Ion Ratio Lower Upper
136 100
137 11.7 9.3 13.9
54 10.0 8.5 12.7
68 5.1 3.5 5.3

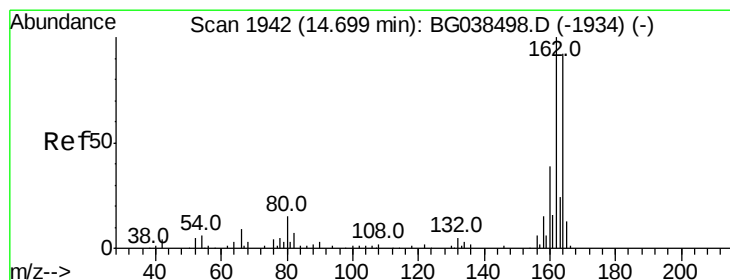
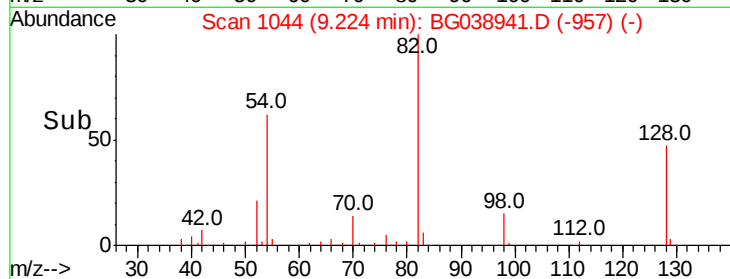
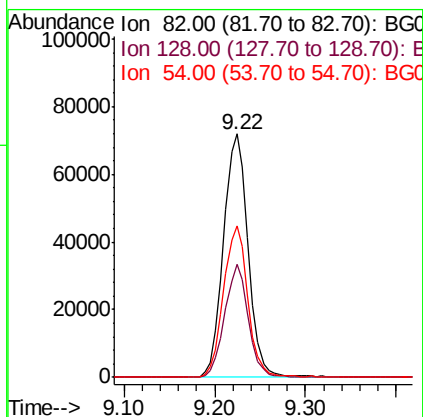
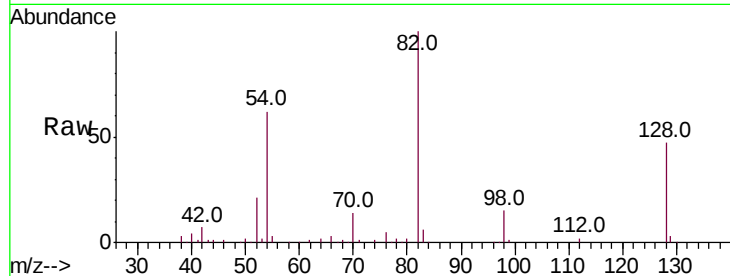




#23
Nitrobenzene-d5
Concen: 71.422 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038941.D
Acq: 4 Jan 2019 22:25

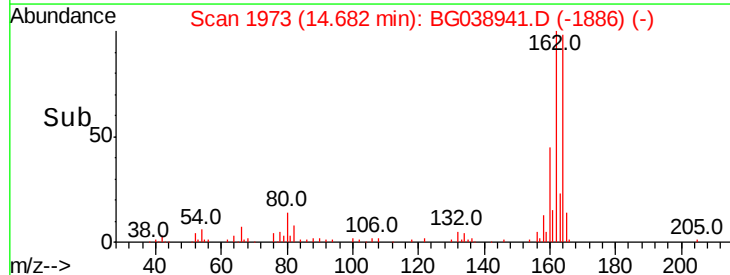
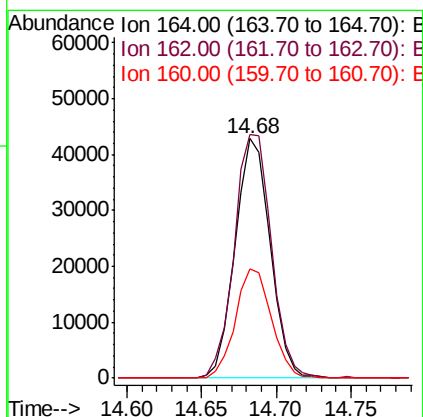
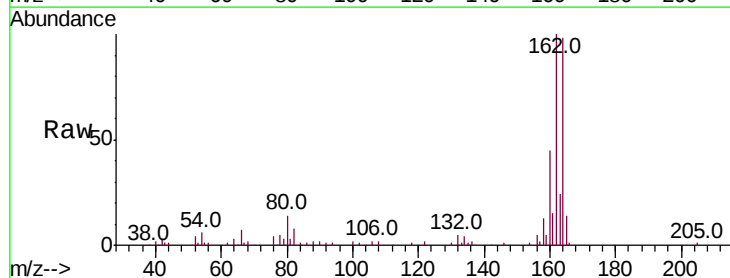
Instrument :
BNA_G
ClientSampleId :

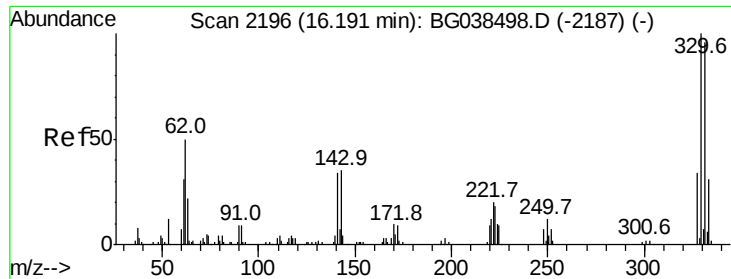
Tot Ion: 82 Resp: 135354
Ion Ratio Lower Upper
82 100
128 46.7 34.6 52.0
54 62.2 50.6 76.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BG038941.D
Acq: 4 Jan 2019 22:25

Tgt Ion:164 Resp: 70224
Ion Ratio Lower Upper
164 100
162 101.7 86.6 130.0
160 45.6 34.2 51.2

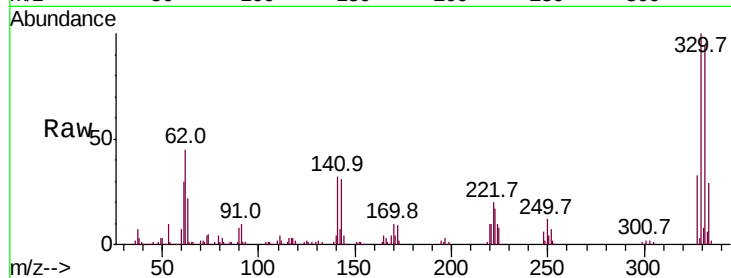




#42
 2,4,6-Tribromophenol
 Concen: 131.845 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.02 min
 Lab File: BG038941.D
 Acq: 4 Jan 2019 22:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	33.0	28.8	43.2

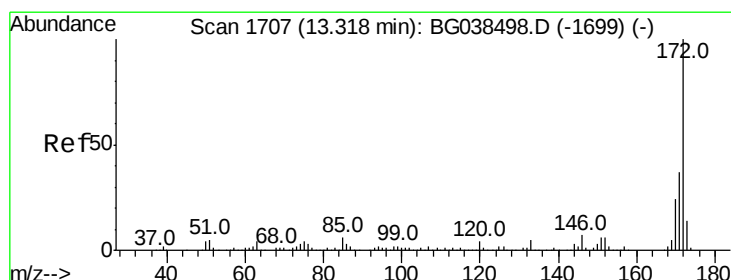
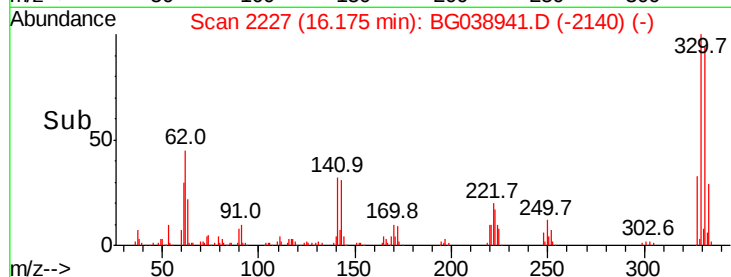
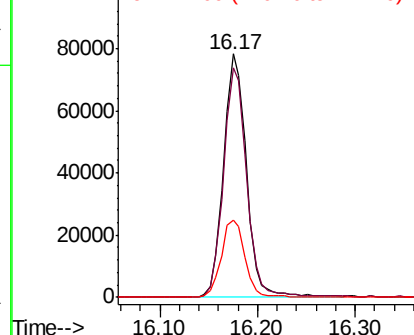


Abundance

Ion 329.80 (329.50 to 330.50): E

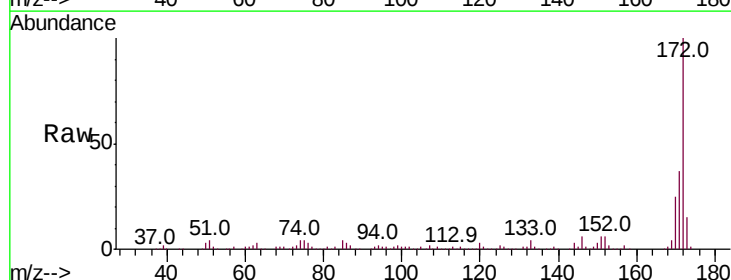
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 73.707 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038941.D
 Acq: 4 Jan 2019 22:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.8	44.6
170	24.6	19.5	29.3

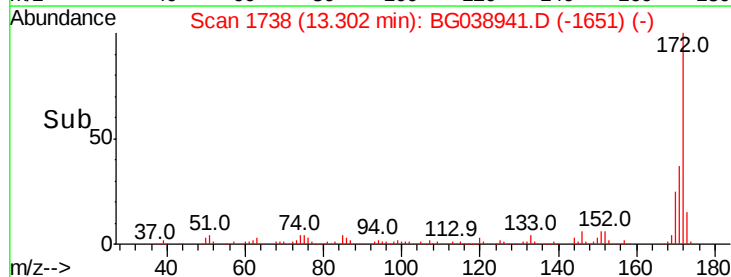
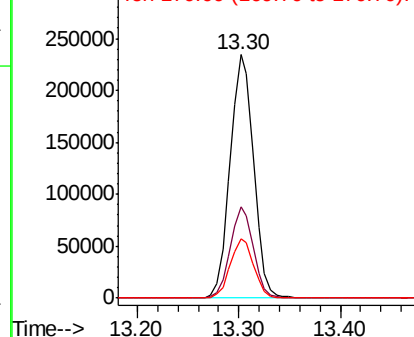


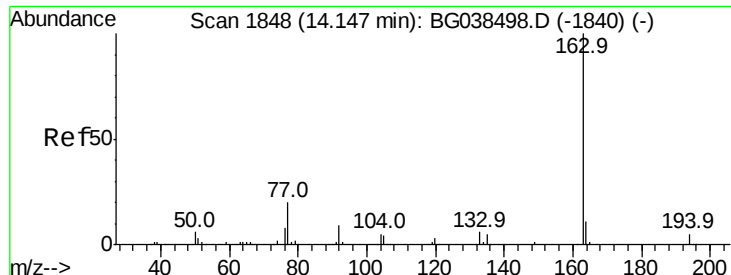
Abundance

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: 9.922 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BG038941.D

Acq: 4 Jan 2019 22:25

Instrument :

BNA_G

ClientSampleId :

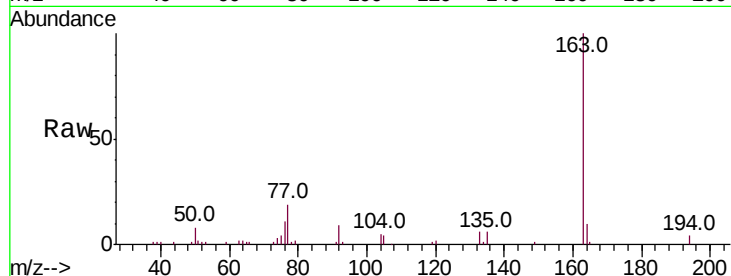
Tot Ion:163 Resp: 56902

Ion Ratio Lower Upper

163 100

194 4.5 3.7 5.5

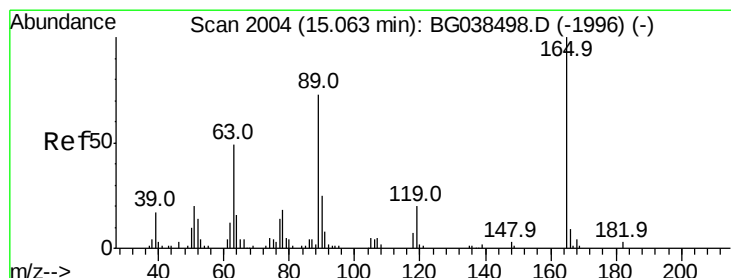
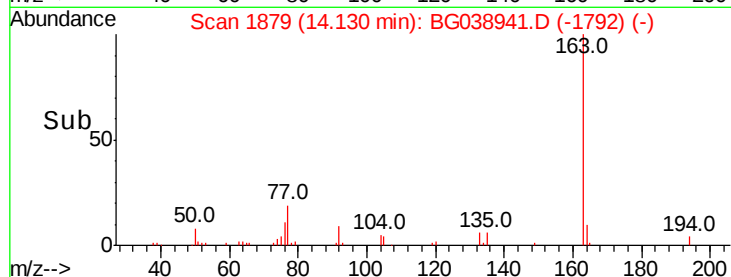
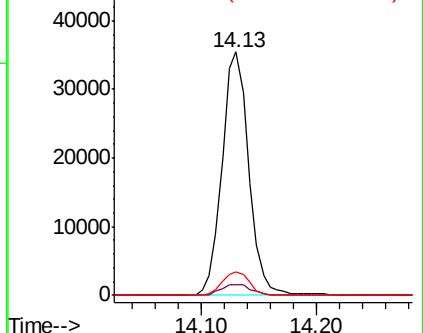
164 9.8 8.6 12.8



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: 4.997 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.38 min

Lab File: BG038941.D

Acq: 4 Jan 2019 22:25

Tgt Ion:165 Resp: 9146

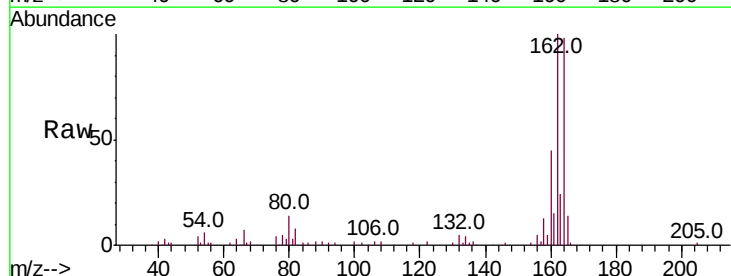
Ion Ratio Lower Upper

165 100

63 0.0 39.0 58.4#

89 0.0 58.0 87.0#

182 0.0 2.3 3.5#

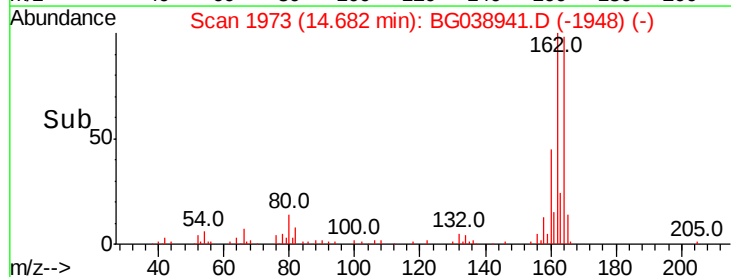
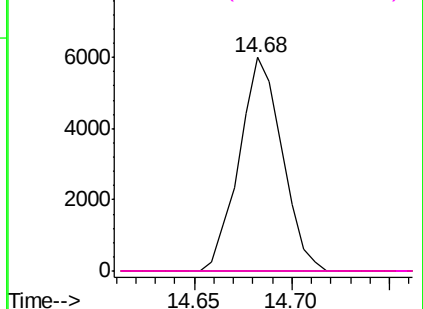


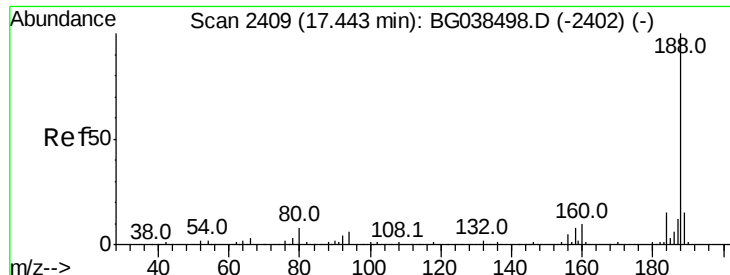
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG038941.D

Acq: 4 Jan 2019 22:25

Instrument :

BNA_G

ClientSampleId :

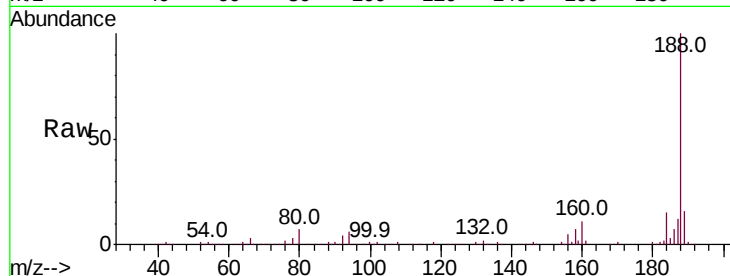
Tot Ion:188 Resp: 177886

Ion Ratio Lower Upper

188 100

94 6.1 5.1 7.7

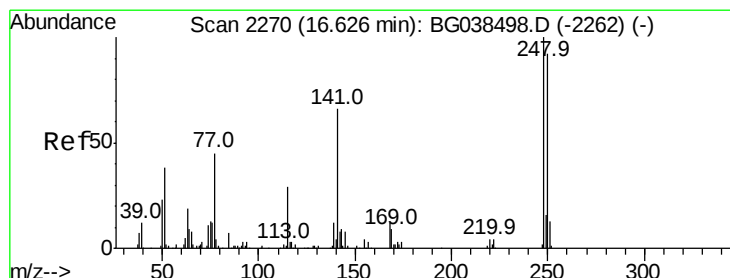
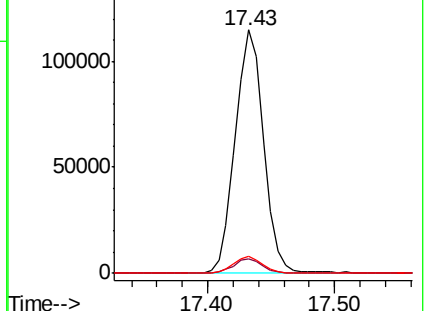
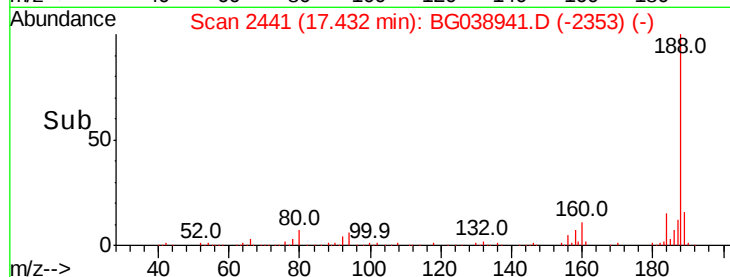
80 7.1 6.1 9.1



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: 3.634 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG038941.D

Acq: 4 Jan 2019 22:25

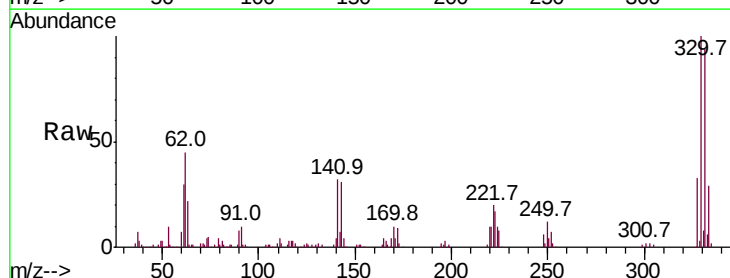
Tgt Ion:248 Resp: 7895

Ion Ratio Lower Upper

248 100

250 196.0 73.4 110.2#

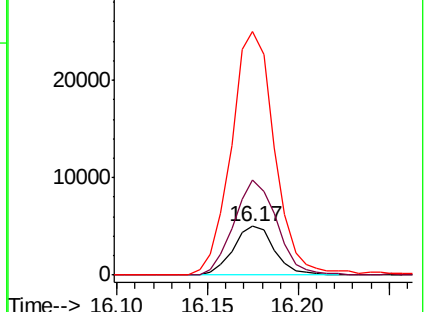
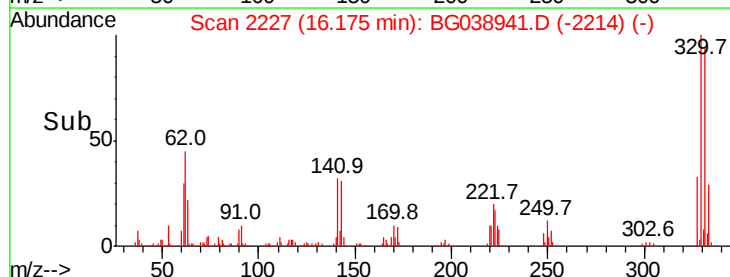
141 387.7 52.9 79.3#

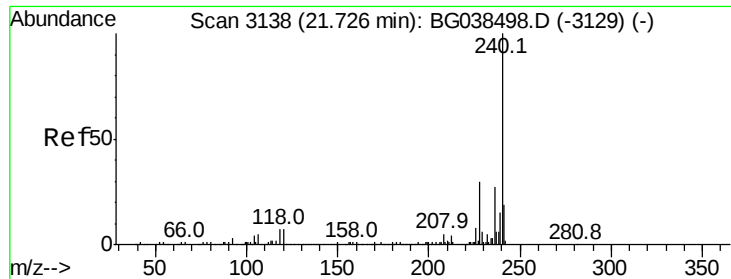


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

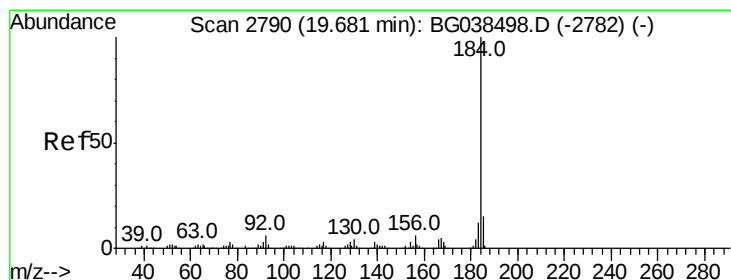
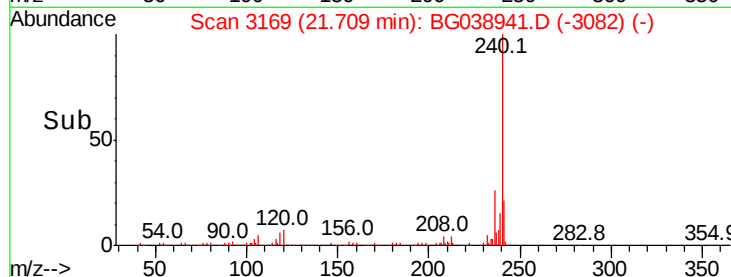
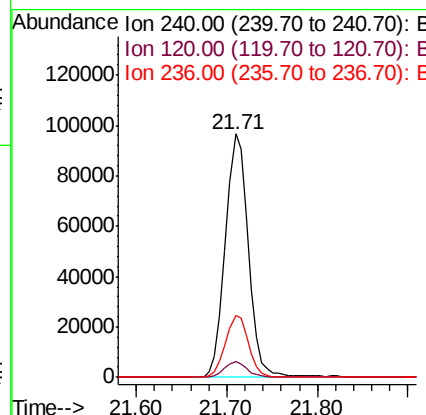
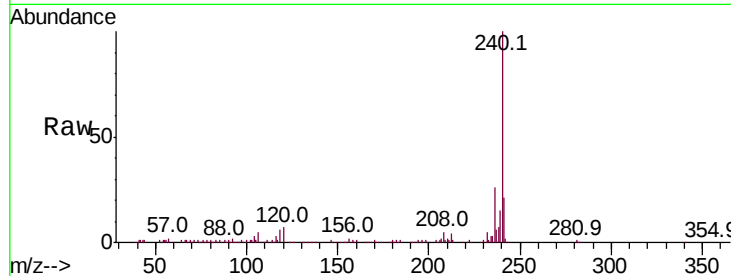




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.02 min
 Lab File: BG038941.D
 Acq: 4 Jan 2019 22:25

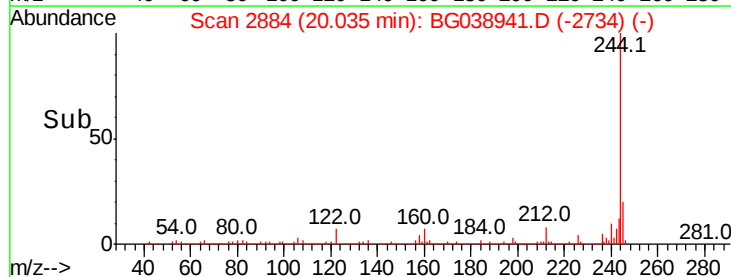
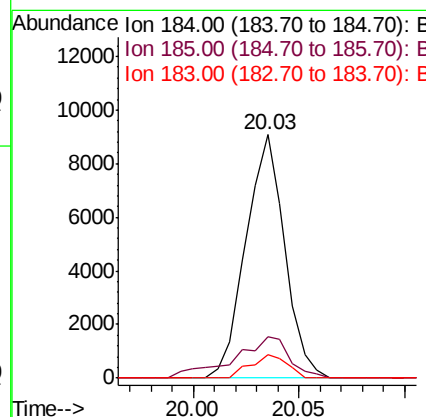
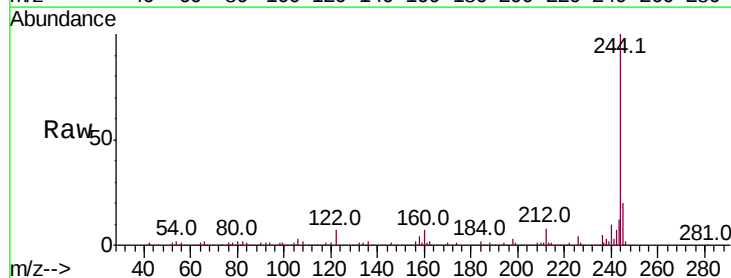
Instrument :
 BNA_G
 ClientSampleId :

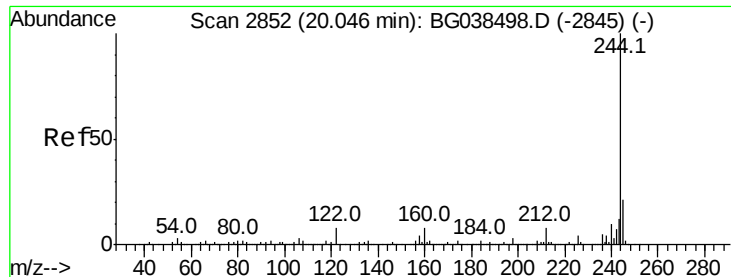
Tot Ion:240 Resp: 170757
 Ion Ratio Lower Upper
 240 100
 120 6.6 5.3 7.9
 236 25.6 21.4 32.2



#77
 Benzidine
 Concen: 2.287 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. 0.35 min
 Lab File: BG038941.D
 Acq: 4 Jan 2019 22:25

Tgt Ion:184 Resp: 11547
 Ion Ratio Lower Upper
 184 100
 185 17.0 12.2 18.2
 183 9.4 9.6 14.4#





#79

Terphenyl-d14

Concen: 90.117 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038941.D

Acq: 4 Jan 2019 22:25

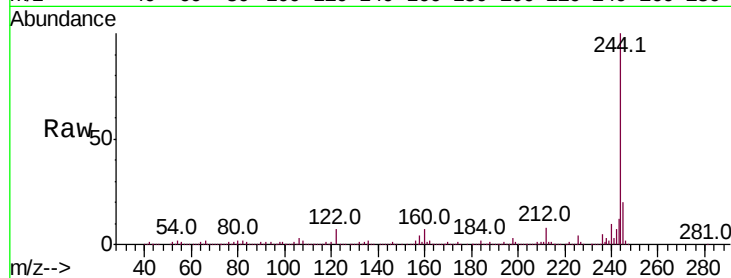
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 707068

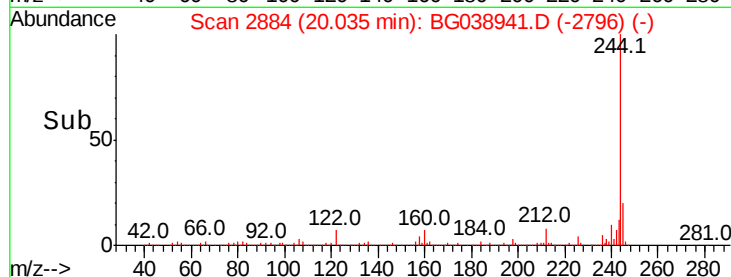
Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	6.7	6.3	9.5



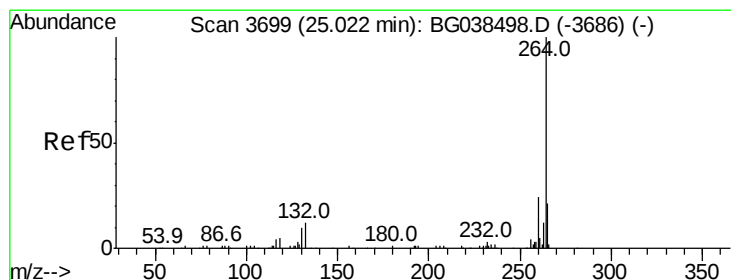
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.90 20.03 20.10 20.20



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3730

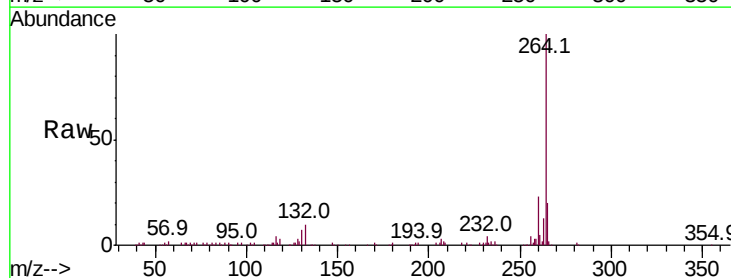
Delta R.T. -0.02 min

Lab File: BG038941.D

Acq: 4 Jan 2019 22:25

Tgt Ion:264 Resp: 182213

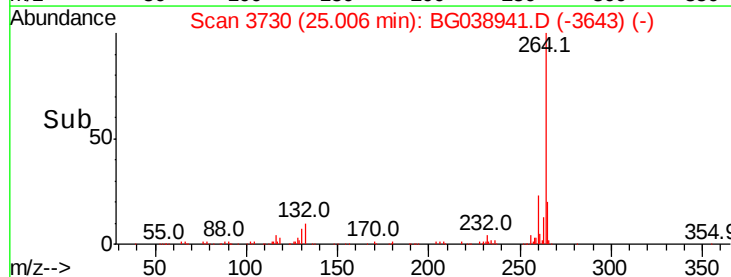
Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.9	28.3
265	20.3	17.0	25.4



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



Time--> 25.00 25.01 25.02