

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039624.D
 Acq On : 27 Feb 2019 7:16
 Operator : JU/SJ
 Sample : PB117340TB
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117340TB

Quant Time: Feb 27 07:55:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	51830	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	218330	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	148461	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	391136	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	414931	20.00	ng	-0.03
87) Perylene-d12	25.19	264	410508	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	415111	137.08	ng	0.00
7) Phenol-d6	7.31	99	584077	131.03	ng	0.00
23) Nitrobenzene-d5	9.34	82	333770	95.50	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	166505	104.15	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	838028	80.98	ng	-0.02
79) Terphenyl-d14	20.12	244	1438155	73.36	ng	-0.03

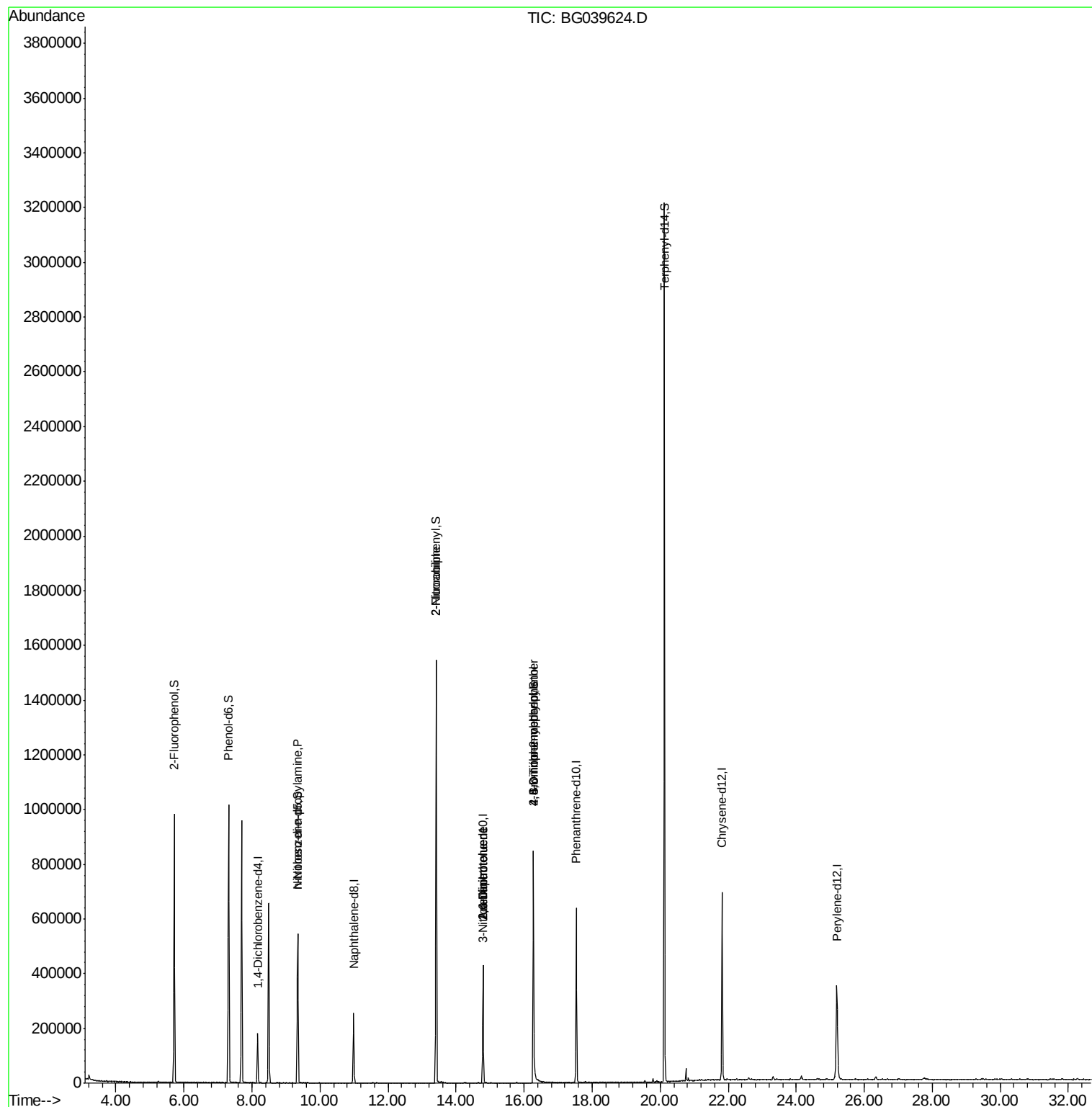
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1028	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	42081	13.301	ng	# 69
48) 2-Nitroaniline	13.41	65	1405	8.732	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	18962	13.864	ng	# 24
53) 3-Nitroaniline	14.78	138	75	5.820	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	18962	13.354	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.27	198	688	4.739	ng	# 56
67) 4-Bromophenyl-phenylether	16.28	248	13345	3.075	ng	# 1

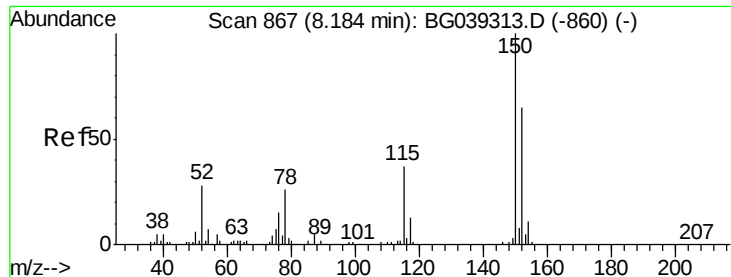
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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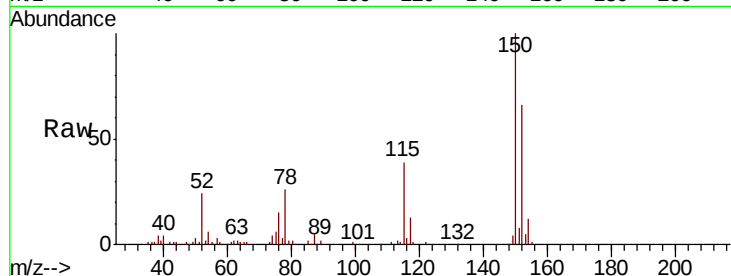


#1

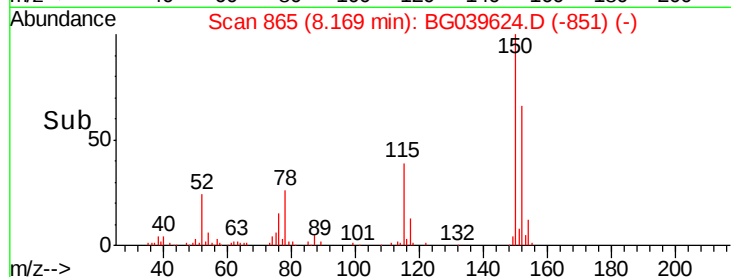
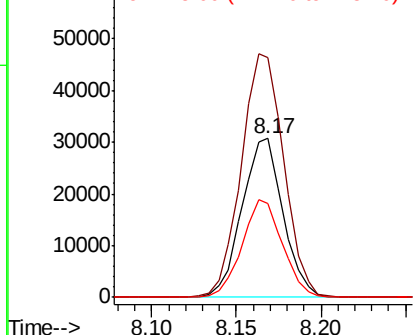
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039624.D
Acq: 27 Feb 2019 7:16

Instrument :
BNA_G
ClientSampleId :
PB117340TB

Tgt Ion:152 Resp: 51830
Ion Ratio Lower Upper
152 100
150 150.9 123.7 185.5
115 58.7 45.9 68.9



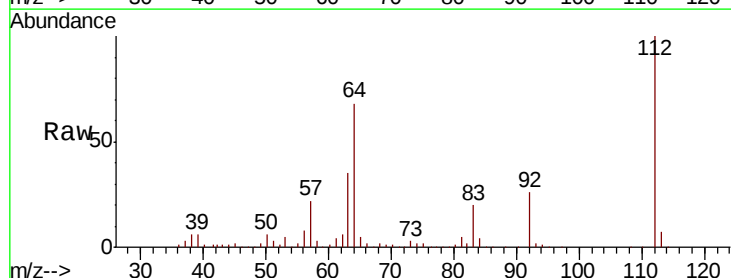
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



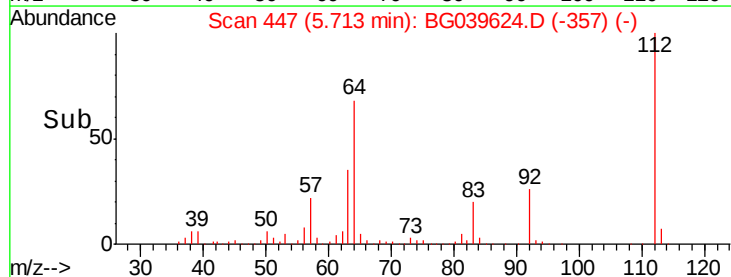
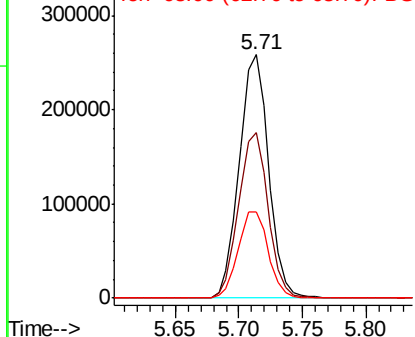
#5

2-Fluorophenol
Concen: 137.076 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039624.D
Acq: 27 Feb 2019 7:16

Tgt Ion:112 Resp: 415111
Ion Ratio Lower Upper
112 100
64 68.0 57.8 86.8
63 35.3 29.8 44.6



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: 131.029 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039624.D

Acq: 27 Feb 2019 7:16

Instrument :

BNA_G

ClientSampleId :

PB117340TB

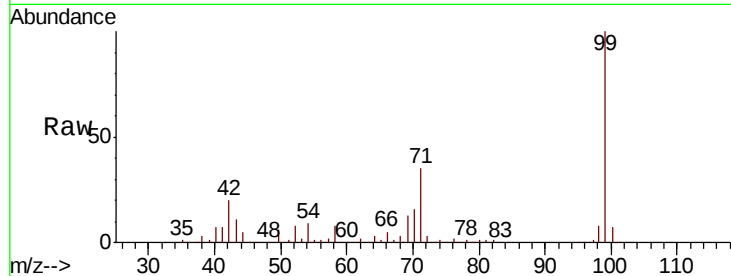
Tgt Ion: 99 Resp: 584077

Ion Ratio Lower Upper

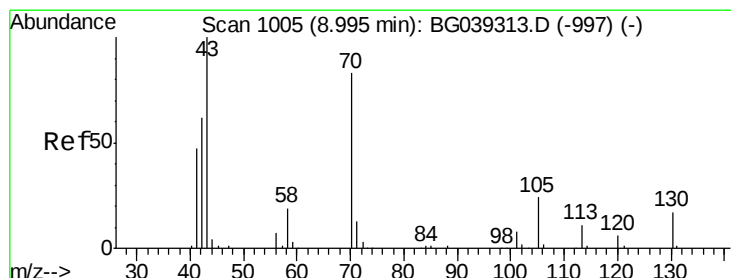
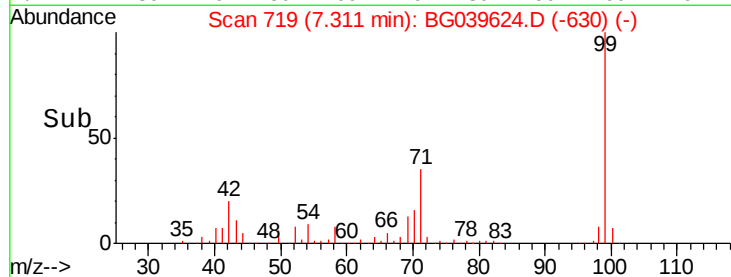
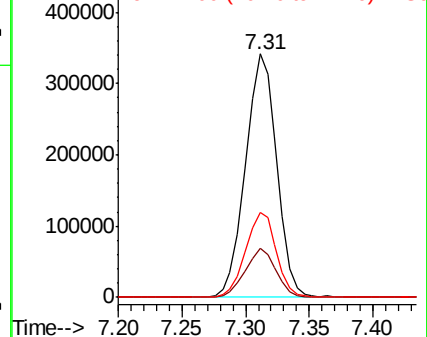
99 100

42 20.1 18.2 27.2

71 34.9 28.0 42.0



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: 13.301 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039624.D

Acq: 27 Feb 2019 7:16

Tgt Ion: 70 Resp: 42081

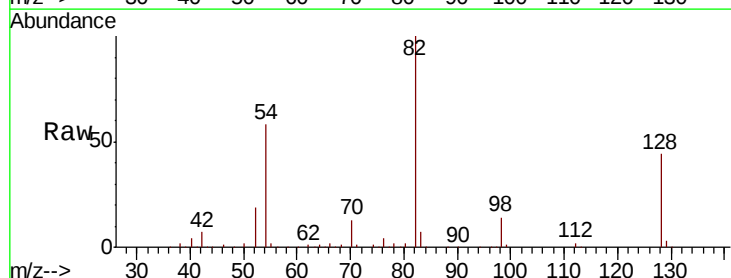
Ion Ratio Lower Upper

70 100

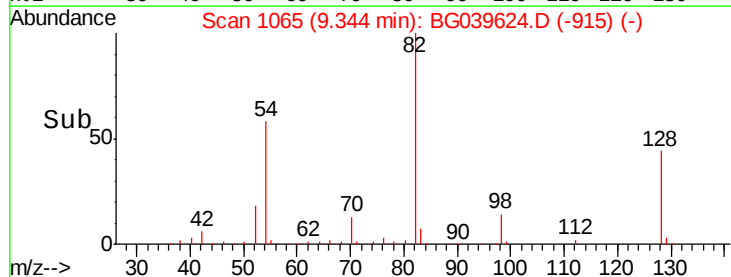
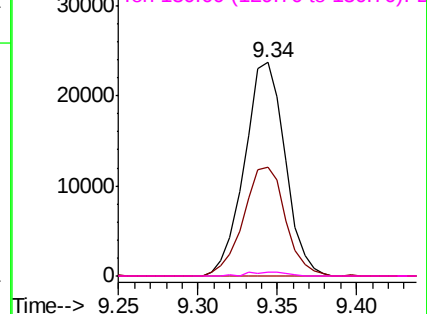
42 51.0 60.4 90.6#

101 0.0 7.5 11.3#

130 1.8 16.9 25.3#



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

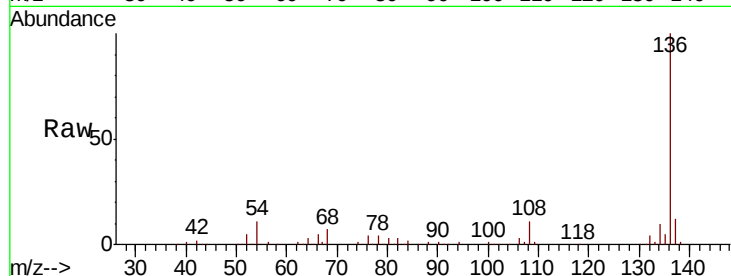




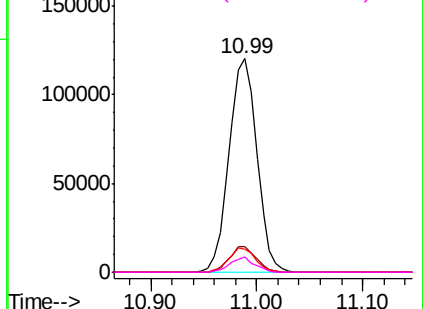
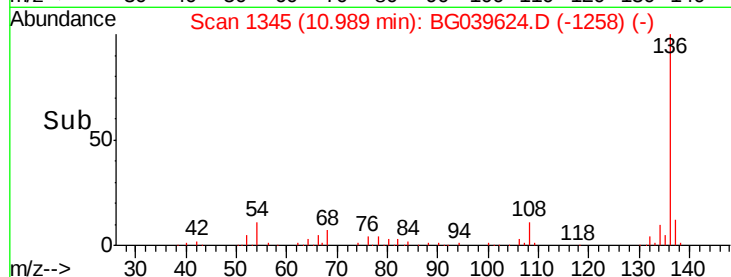
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039624.D
Acq: 27 Feb 2019 7:16

Instrument :
BNA_G
ClientSampleId :
PB117340TB

Tgt Ion:	136	Resp:	218330
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.1	13.7
54	10.9	9.4	14.2
68	6.9	4.2	6.4#

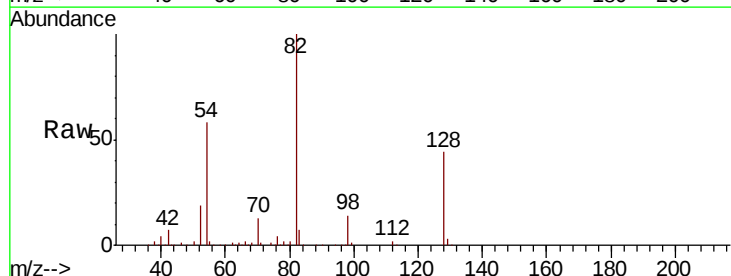


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

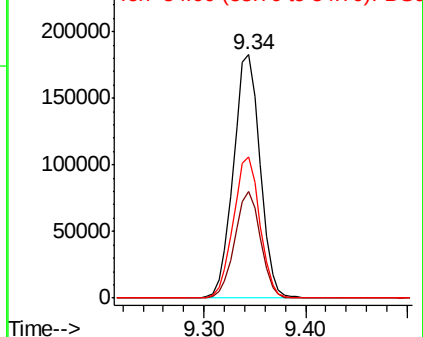
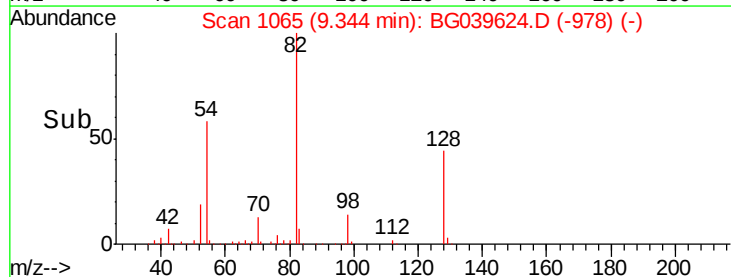


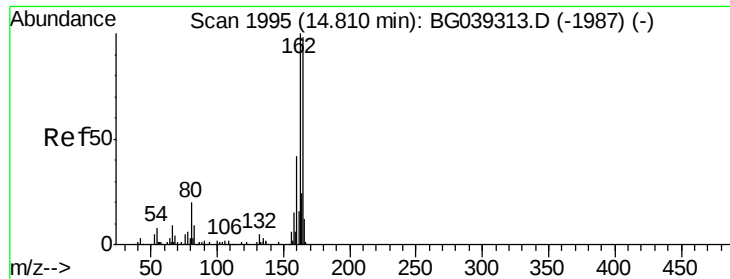
#23
Nitrobenzene-d5
Concen: 95.503 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039624.D
Acq: 27 Feb 2019 7:16

Tgt Ion:	82	Resp:	333770
Ion	Ratio	Lower	Upper
82	100		
128	43.6	31.3	46.9
54	57.9	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039624.D

Acq: 27 Feb 2019 7:16

Instrument :

BNA_G

ClientSampleId :

PB117340TB

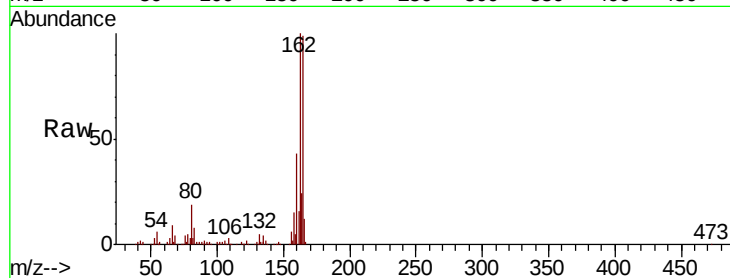
Tgt Ion:164 Resp: 148461

Ion Ratio Lower Upper

164 100

162 100.8 81.6 122.4

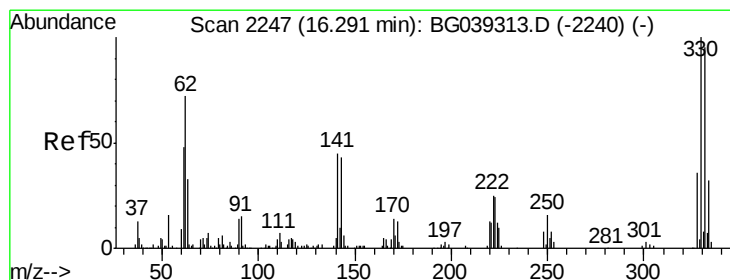
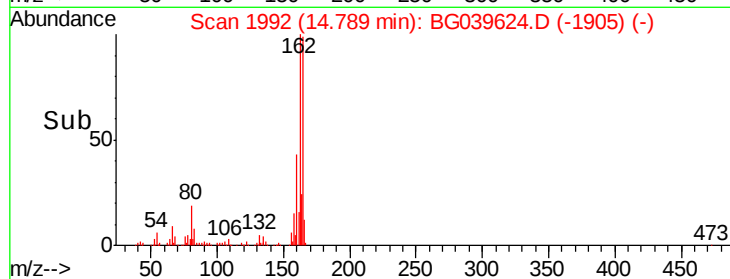
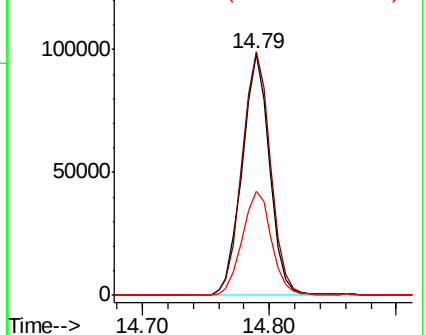
160 43.3 34.2 51.2



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: 104.152 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039624.D

Acq: 27 Feb 2019 7:16

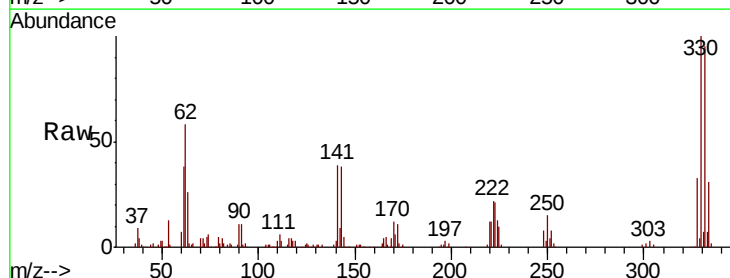
Tgt Ion:330 Resp: 166505

Ion Ratio Lower Upper

330 100

332 94.7 75.7 113.5

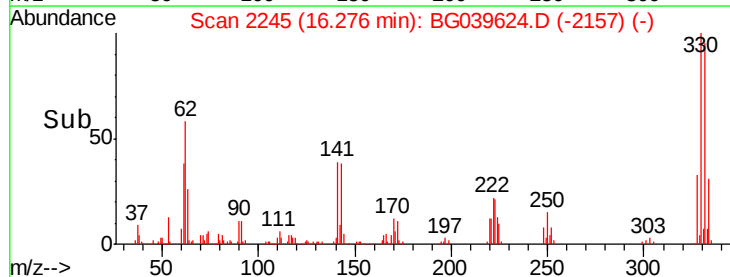
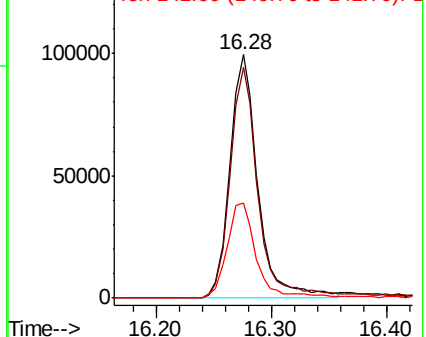
141 40.7 35.6 53.4

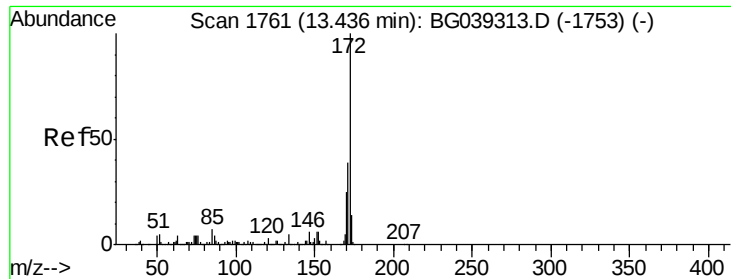


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

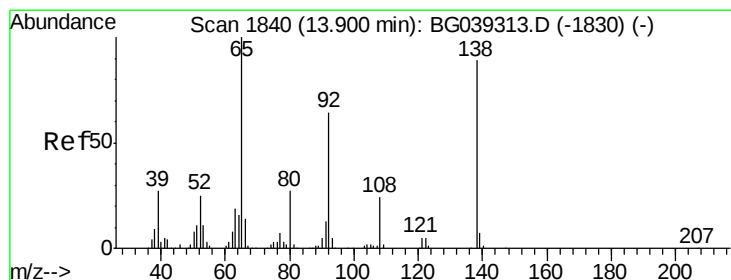
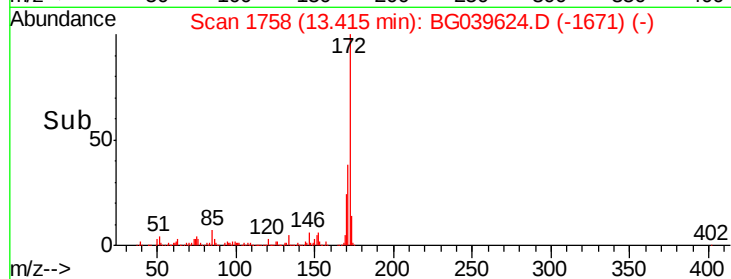
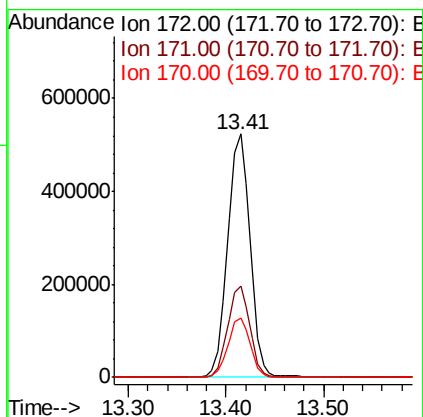
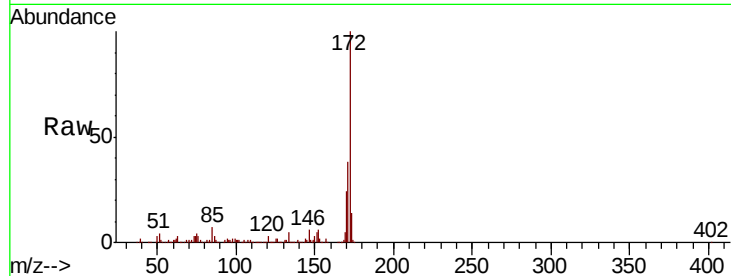




#45
2-Fluorobiphenyl
Concen: 80.977 ng
RT: 13.41 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039624.D
Acq: 27 Feb 2019 7:16

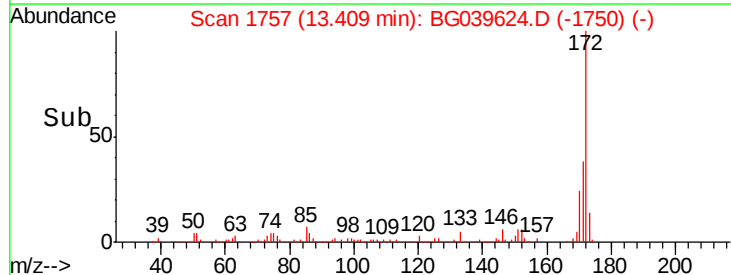
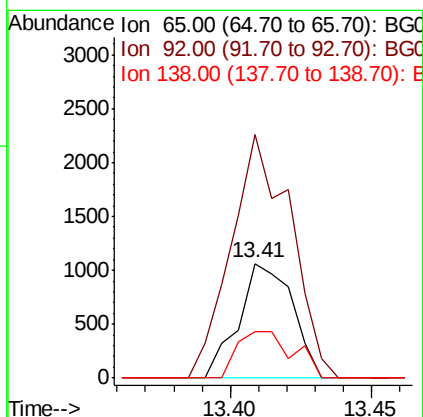
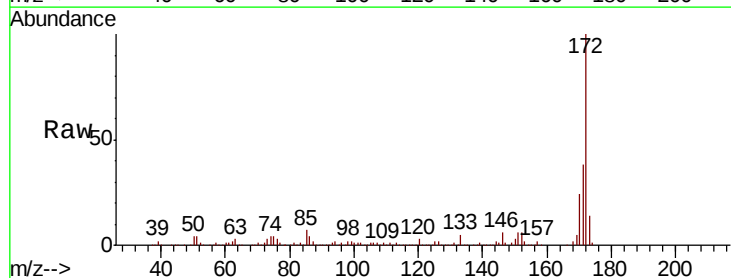
Instrument :
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ClientSampleId :
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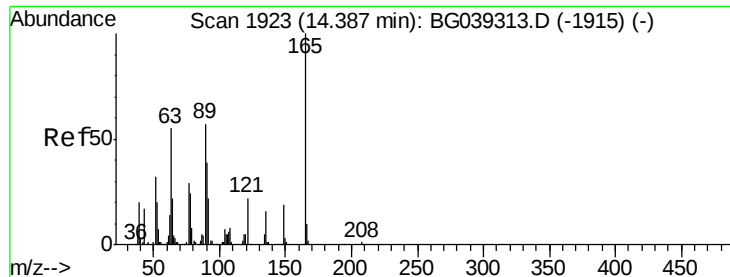
Tgt Ion: 172 Resp: 838028
Ion Ratio Lower Upper
172 100
171 37.5 30.8 46.2
170 24.5 20.2 30.4



#48
2-Nitroaniline
Concen: 8.732 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.49 min
Lab File: BG039624.D
Acq: 27 Feb 2019 7:16

Tgt Ion: 65 Resp: 1405
Ion Ratio Lower Upper
65 100
92 211.9 51.4 77.2#
138 40.6 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 13.864 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039624.D

Acq: 27 Feb 2019 7:16

Instrument :

BNA_G

ClientSampleId :

PB117340TB

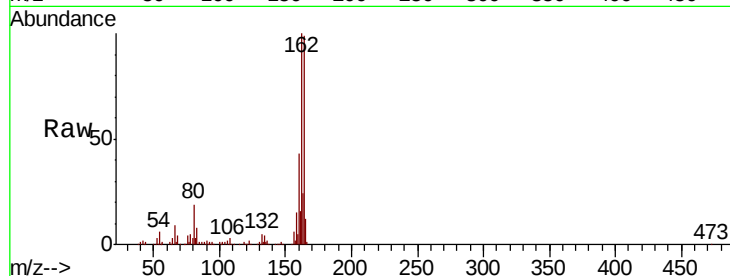
Tgt Ion:165 Resp: 18962

Ion Ratio Lower Upper

165 100

63 2.1 47.0 70.6#

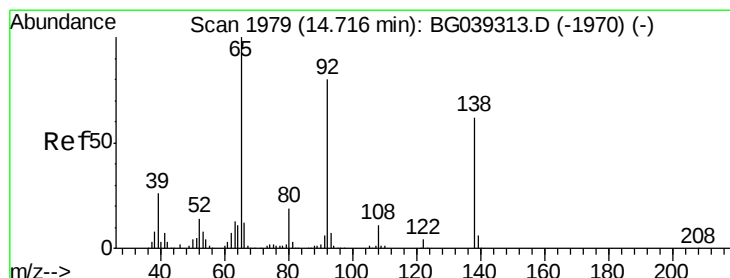
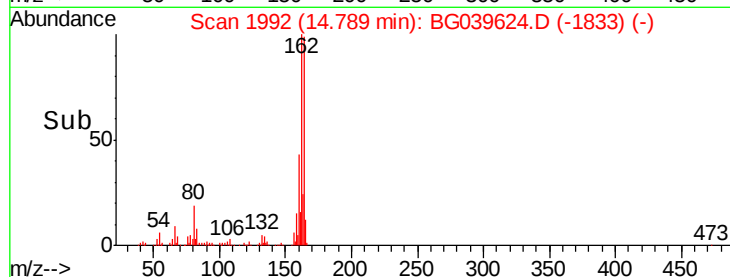
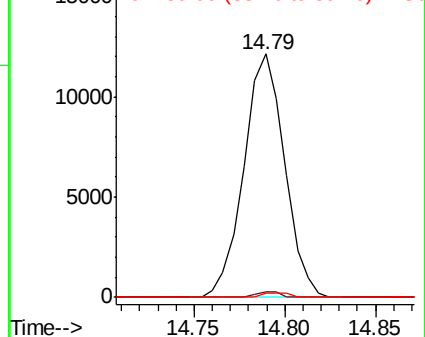
89 1.7 45.8 68.8#



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



#53

3-Nitroaniline

Concen: 5.820 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.06 min

Lab File: BG039624.D

Acq: 27 Feb 2019 7:16

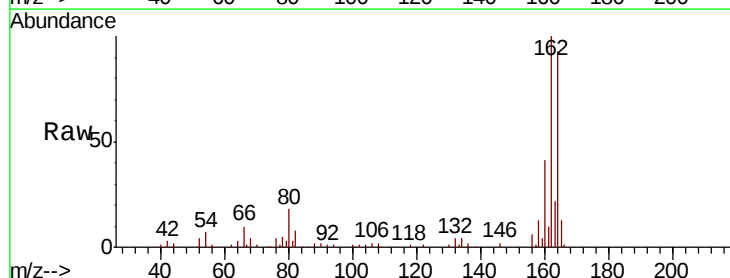
Tgt Ion:138 Resp: 75

Ion Ratio Lower Upper

138 100

108 416.0 13.8 20.8#

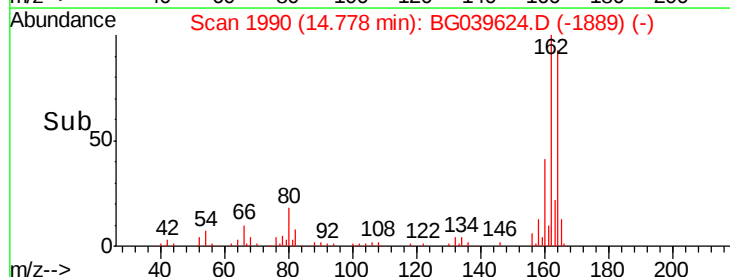
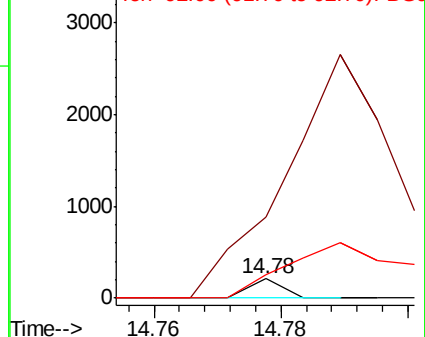
92 123.1 103.7 155.5

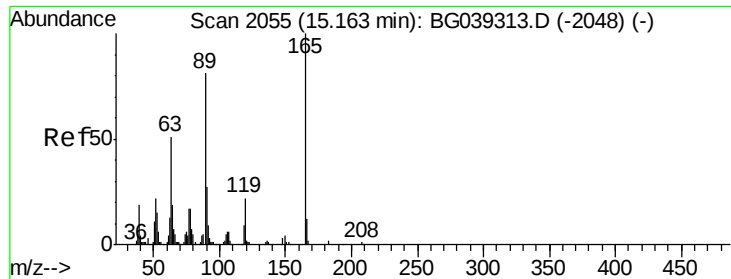


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

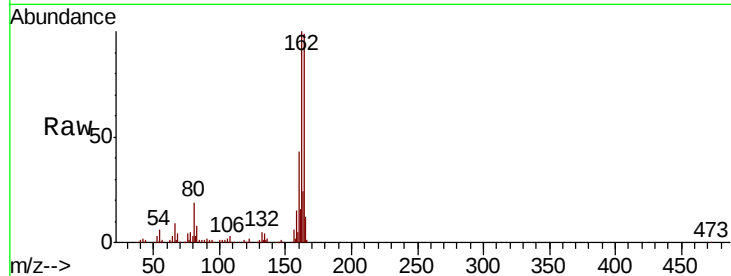




#57
 2,4-Dinitrotoluene
 Concen: 13.354 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039624.D
 Acq: 27 Feb 2019 7:16

Instrument :
 BNA_G
 ClientSampleId :
 PB117340TB

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	41.0	61.6#
89	1.7	64.6	96.8#
182	0.0	2.0	3.0#

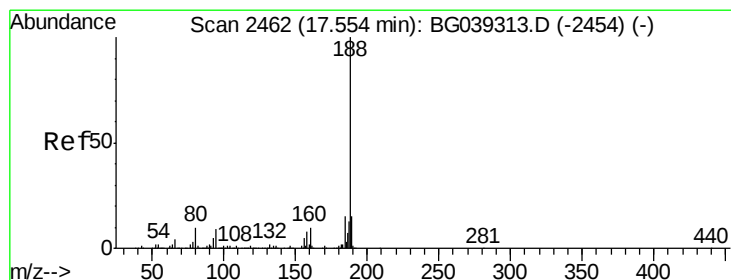
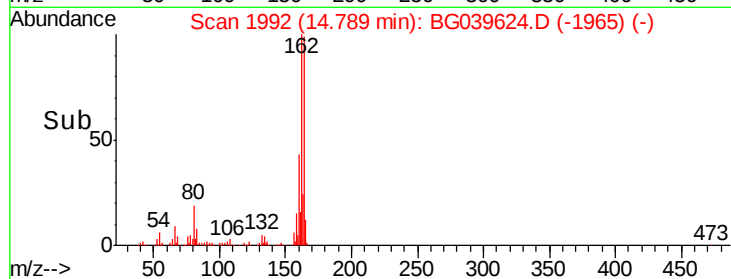
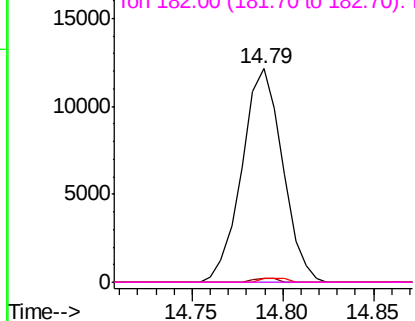


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

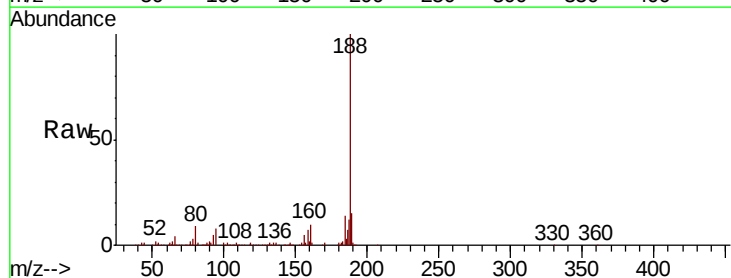
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2459
 Delta R.T. -0.02 min
 Lab File: BG039624.D
 Acq: 27 Feb 2019 7:16

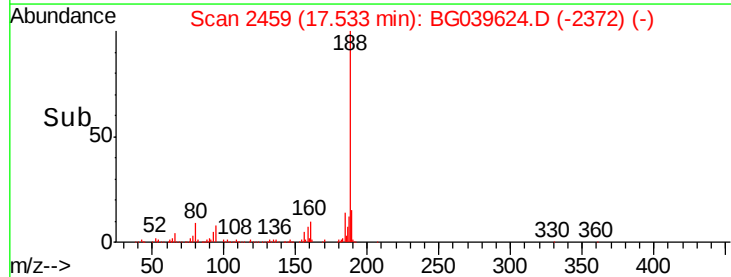
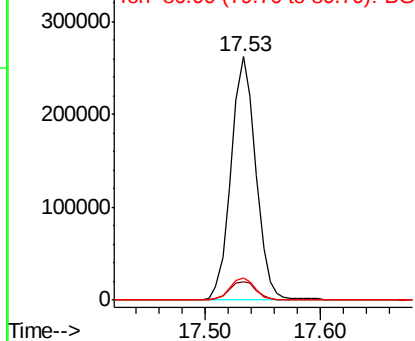
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.9	10.3
80	9.2	8.1	12.1

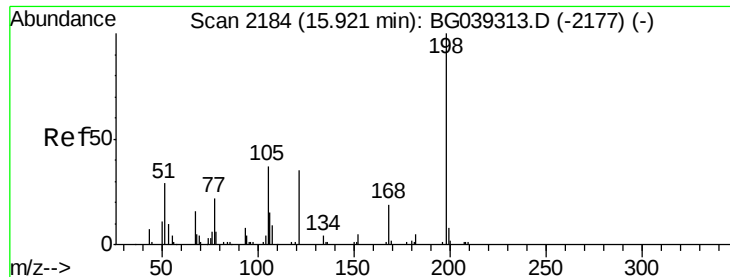


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

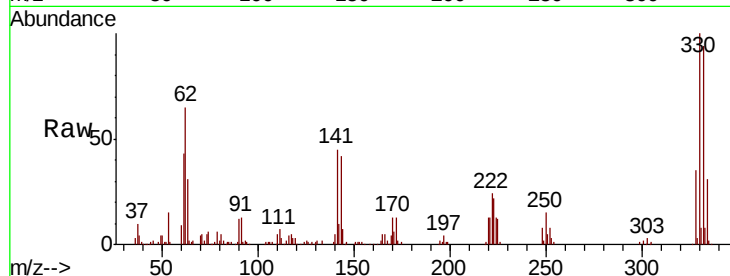




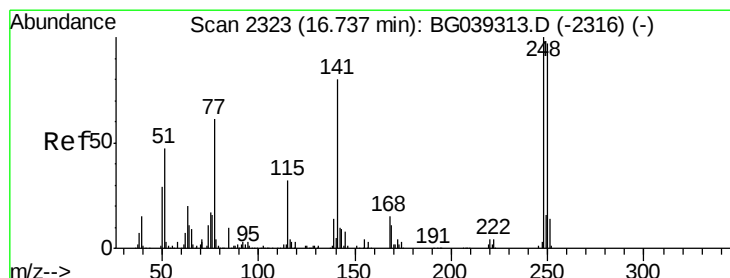
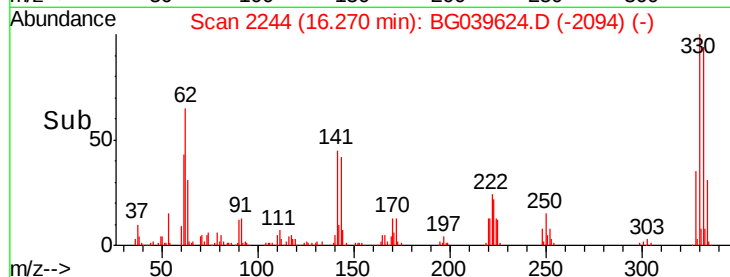
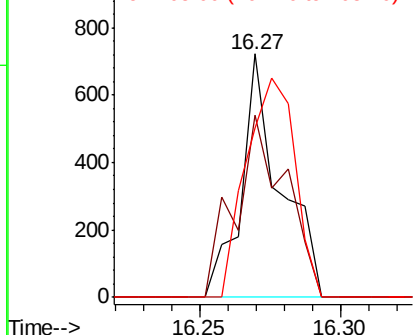
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.739 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.35 min
 Lab File: BG039624.D
 Acq: 27 Feb 2019 7:16

Instrument :
 BNA_G
 ClientSampleId :
 PB117340TB

Tgt Ion:198 Resp: 688
 Ion Ratio Lower Upper
 198 100
 51 74.8 27.4 67.4#
 105 69.4 19.7 59.7#

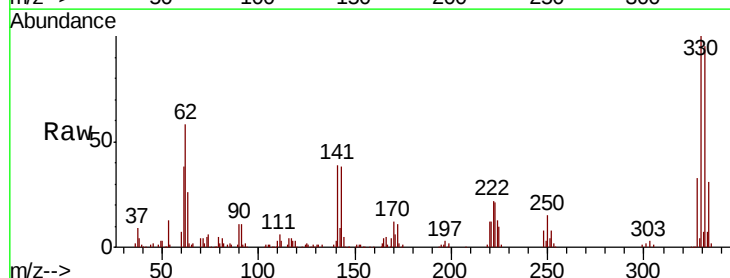


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

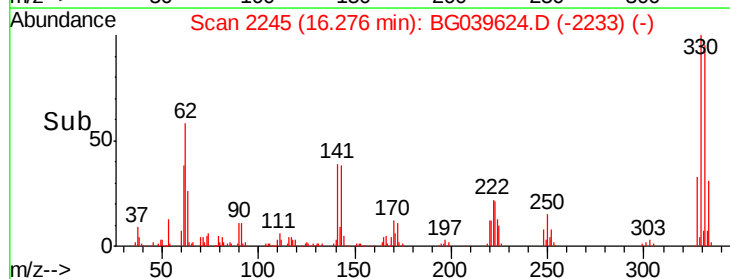
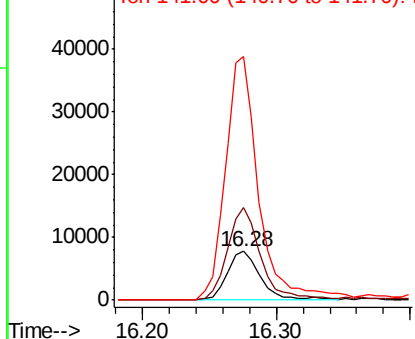


#67
 4-Bromophenyl-phenylether
 Concen: 3.075 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039624.D
 Acq: 27 Feb 2019 7:16

Tgt Ion:248 Resp: 13345
 Ion Ratio Lower Upper
 248 100
 250 190.9 77.6 116.4#
 141 501.9 63.9 95.9#



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

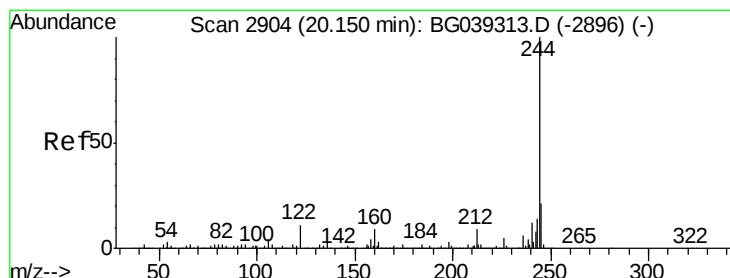
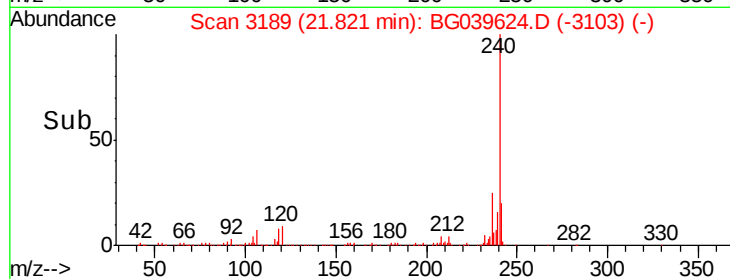
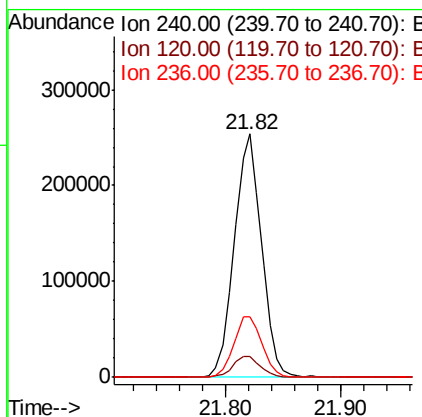
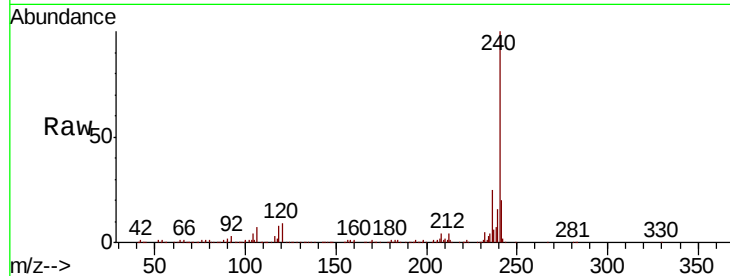




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039624.D
Acq: 27 Feb 2019 7:16

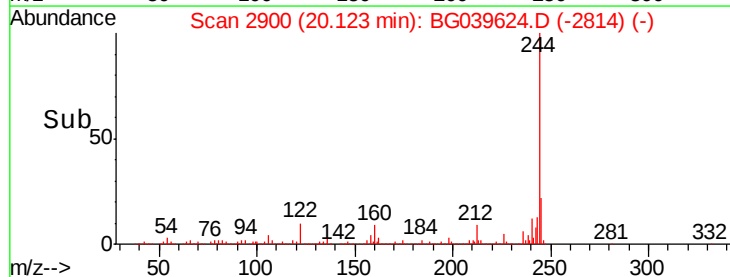
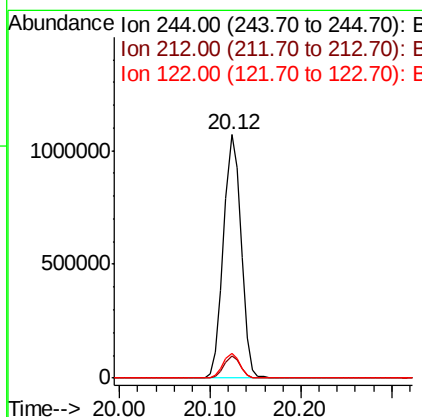
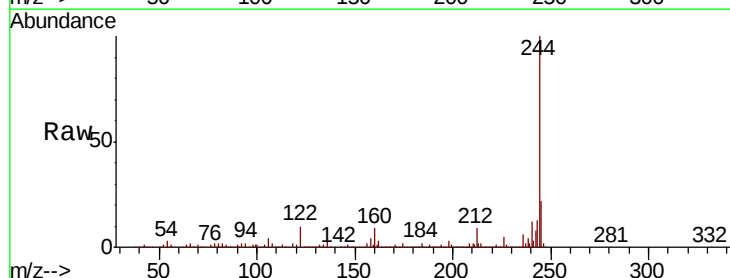
Instrument :
BNA_G
ClientSampleId :
PB117340TB

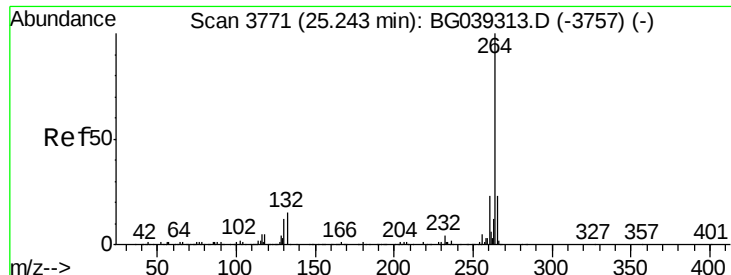
Tgt Ion:240 Resp: 414931
Ion Ratio Lower Upper
240 100
120 8.7 7.0 10.6
236 24.6 21.0 31.4



#79
Terphenyl-d14
Concen: 73.365 ng
RT: 20.12 min Scan# 2900
Delta R.T. -0.03 min
Lab File: BG039624.D
Acq: 27 Feb 2019 7:16

Tgt Ion:244 Resp: 1438155
Ion Ratio Lower Upper
244 100
212 9.3 7.3 10.9
122 10.2 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3763
Delta R.T. -0.05 min
Lab File: BG039624.D
Acq: 27 Feb 2019 7:16

Instrument :
BNA_G
ClientSampleId :
PB117340TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	21.4	18.5	27.7

