

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022519\
 Data File : BG039587.D
 Acq On : 25 Feb 2019 15:17
 Operator : JU/SJ
 Sample : K1556-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP

Quant Time: Feb 25 17:02:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 25 16:56:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	54473	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	243721	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	165438	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	386711	20.00	ng	0.00
76) Chrysene-d12	21.83	240	393095	20.00	ng	0.00
87) Perylene-d12	25.21	264	329261	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	424252	133.30	ng	0.00
7) Phenol-d6	7.32	99	567241	121.08	ng	0.00
23) Nitrobenzene-d5	9.34	82	409803	105.04	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	207016	116.20	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	960001	83.24	ng	0.00
79) Terphenyl-d14	20.13	244	1557104	83.84	ng	0.00

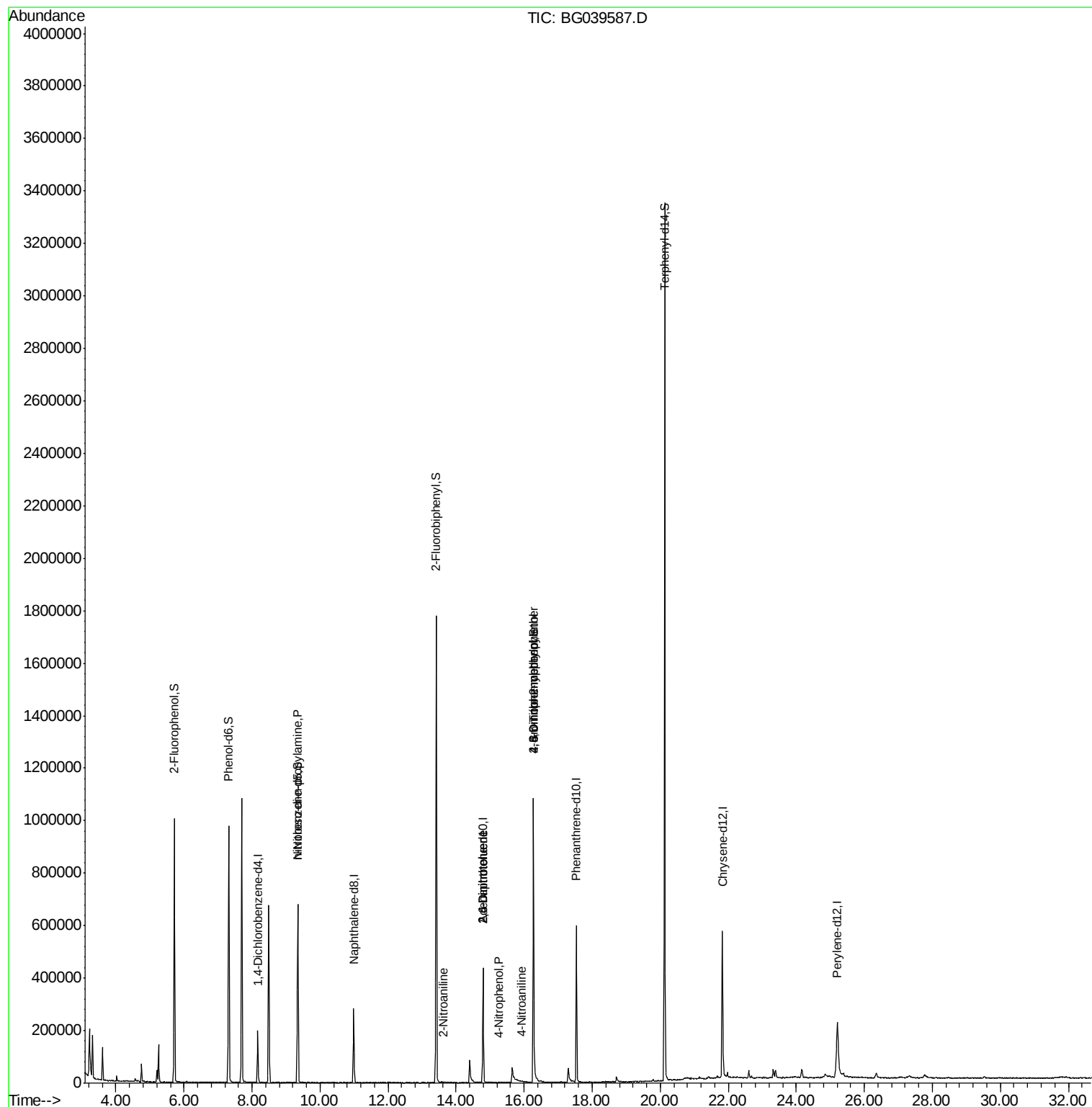
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1146	Below Cal		# 17
19) n-Nitroso-di-n-propylamine	9.34	70	53244	16.012	ng	# 67
48) 2-Nitroaniline	13.63	65	62	8.314	ng	# 10
51) 2,6-Dinitrotoluene	14.80	165	21389	13.954	ng	# 25
56) 4-Nitrophenol	15.25	139	74	5.822	ng	# 1
57) 2,4-Dinitrotoluene	14.80	165	21389	13.422	ng	# 20
62) 4-Nitroaniline	15.92	138	71	4.226	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	926	4.943	ng	# 52
67) 4-Bromophenyl-phenylether	16.28	248	16202	3.777	ng	# 1

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

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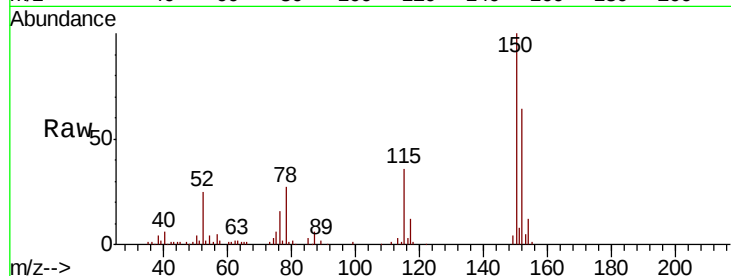


#1

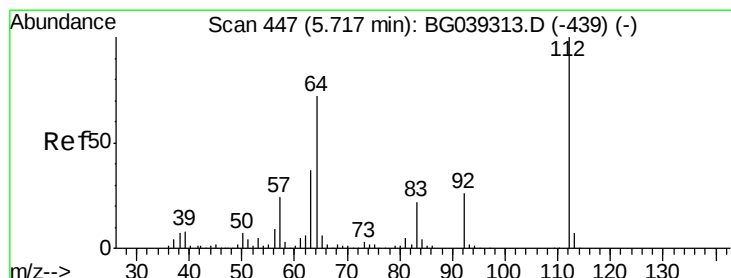
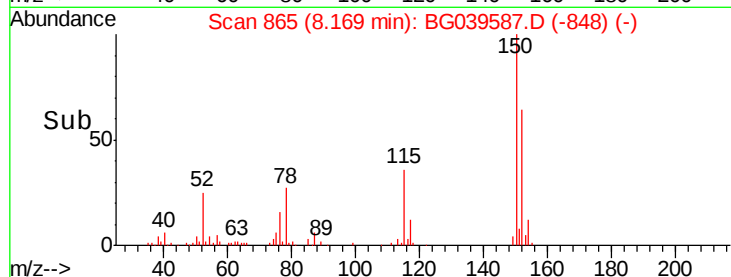
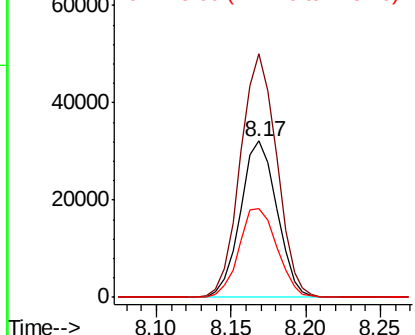
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.00 min
Lab File: BG039587.D
Acq: 25 Feb 2019 15:17

Instrument :
BNA_G
ClientSampleId :
COMP

Tot Ion:152 Resp: 54473
Ion Ratio Lower Upper
152 100
150 156.0 123.7 185.5
115 56.8 45.9 68.9



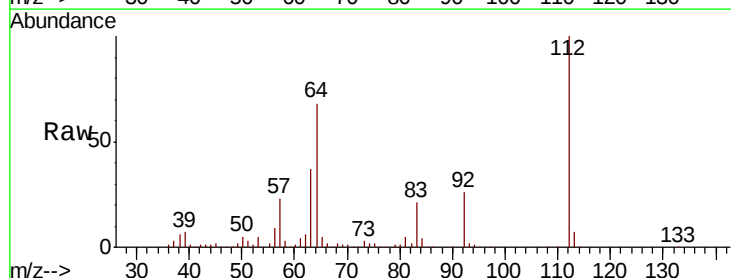
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



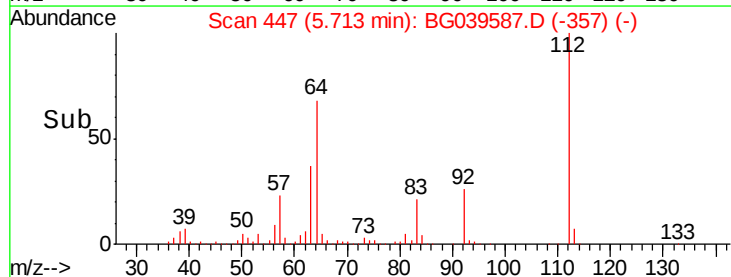
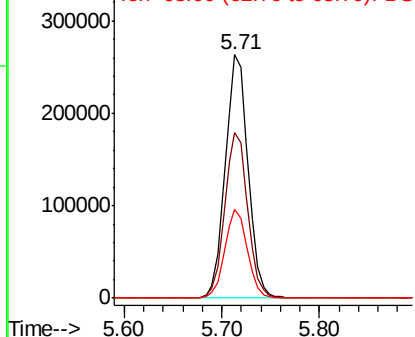
#5

2-Fluorophenol
Concen: 133.297 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039587.D
Acq: 25 Feb 2019 15:17

Tgt Ion:112 Resp: 424252
Ion Ratio Lower Upper
112 100
64 67.9 57.8 86.8
63 36.6 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: 121.078 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039587.D

Acq: 25 Feb 2019 15:17

Instrument :

BNA_G

ClientSampled :

COMP

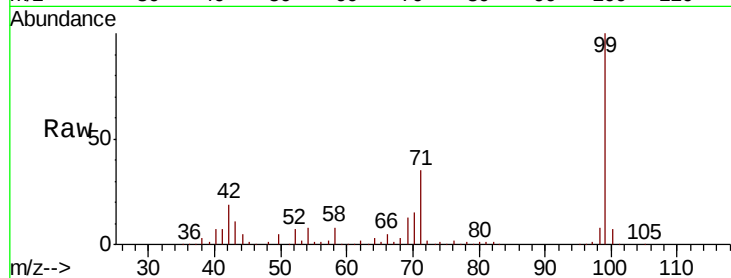
Tot Ion: 99 Resp: 567241

Ion Ratio Lower Upper

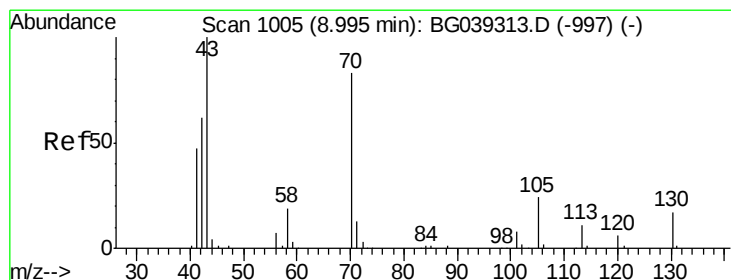
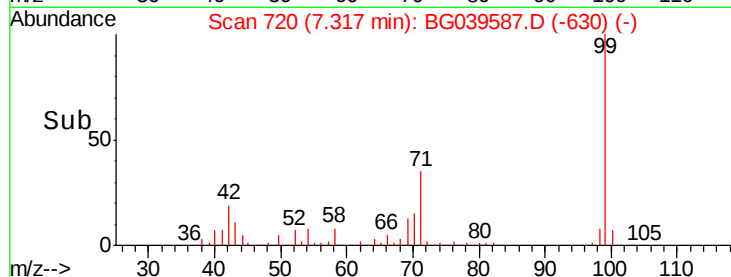
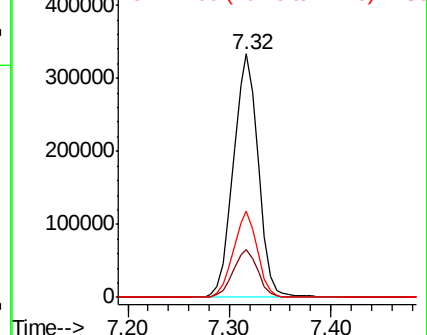
99 100

42 19.4 18.2 27.2

71 35.5 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: 16.012 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.38 min

Lab File: BG039587.D

Acq: 25 Feb 2019 15:17

Tgt Ion: 70 Resp: 53244

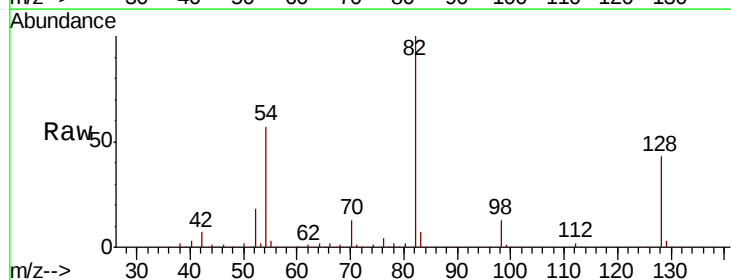
Ion Ratio Lower Upper

70 100

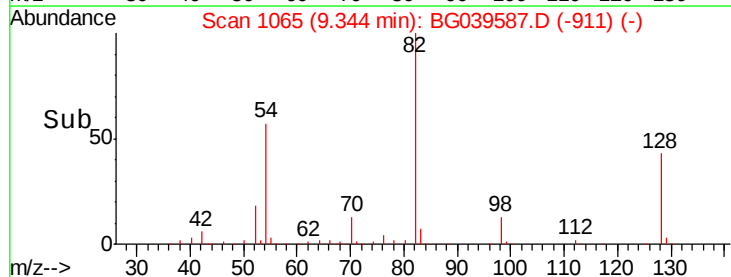
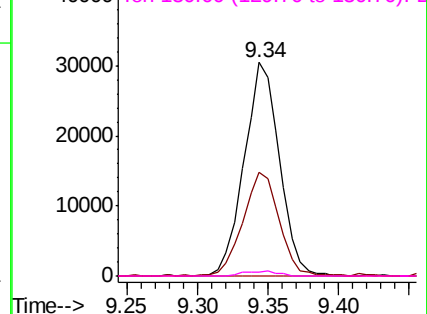
42 48.8 60.4 90.6#

101 0.0 7.5 11.3#

130 1.7 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

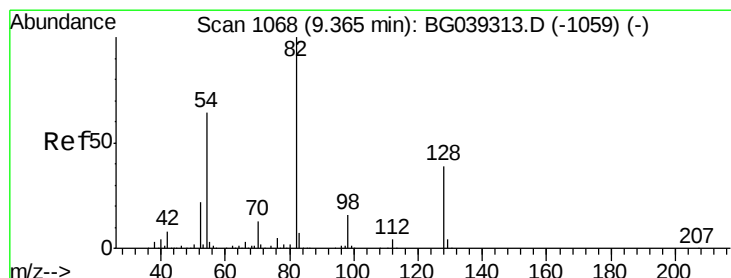
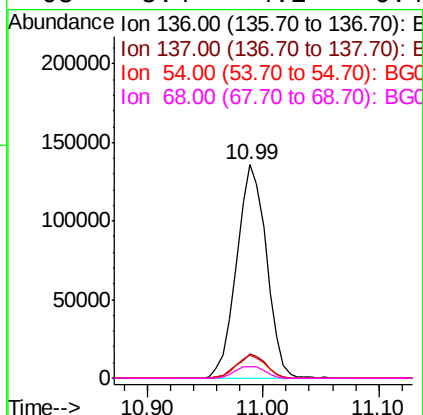
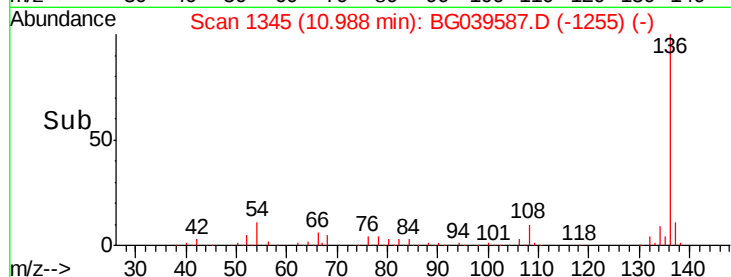
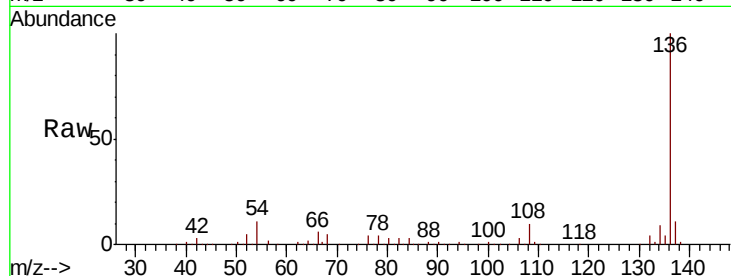




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BG039587.D
Acq: 25 Feb 2019 15:17

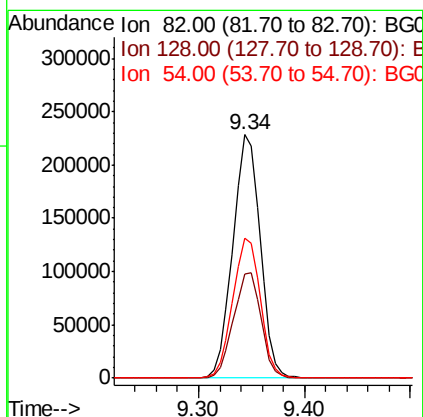
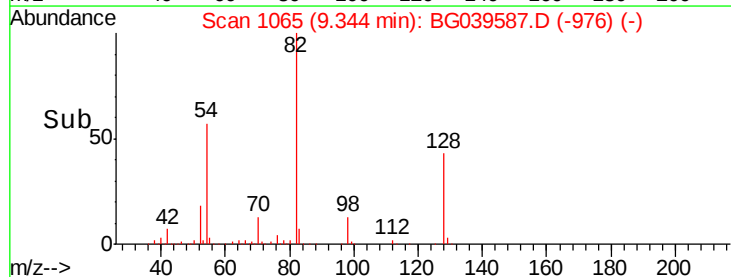
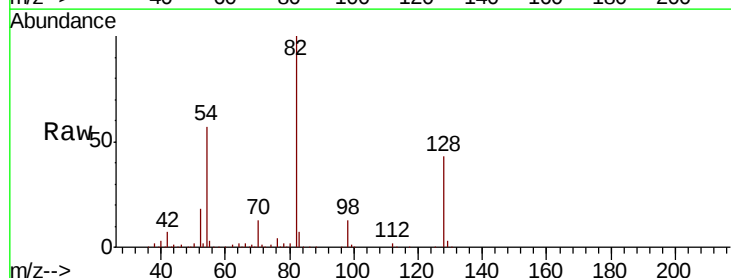
Instrument :
BNA_G
ClientSampleId :
COMP

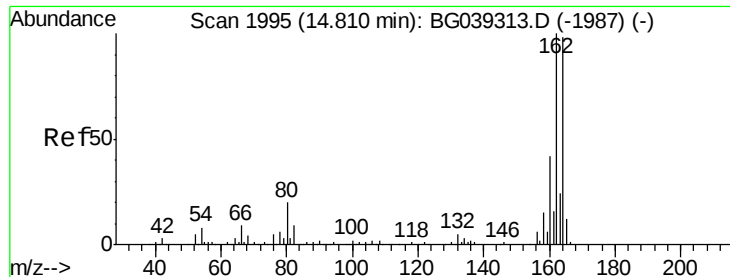
Tot Ion:136	Resp:	243721
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.1 13.7
54	10.7	9.4 14.2
68	5.4	4.2 6.4



#23
Nitrobenzene-d5
Concen: 105.042 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BG039587.D
Acq: 25 Feb 2019 15:17

Tgt Ion: 82	Resp:	409803
Ion	Ratio	Lower Upper
82	100	
128	42.7	31.3 46.9
54	57.4	50.9 76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BG039587.D

Acq: 25 Feb 2019 15:17

Instrument :

BNA_G

ClientSampleId :

COMP

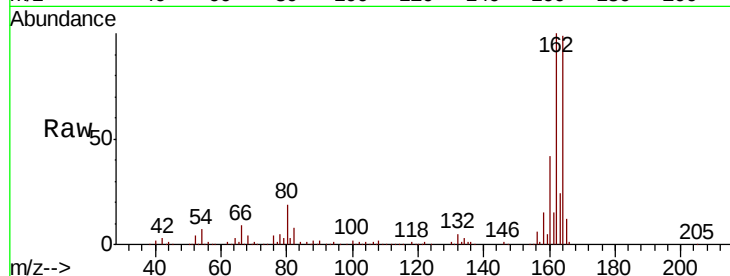
Tot Ion:164 Resp: 165438

Ion Ratio Lower Upper

164 100

162 101.0 81.6 122.4

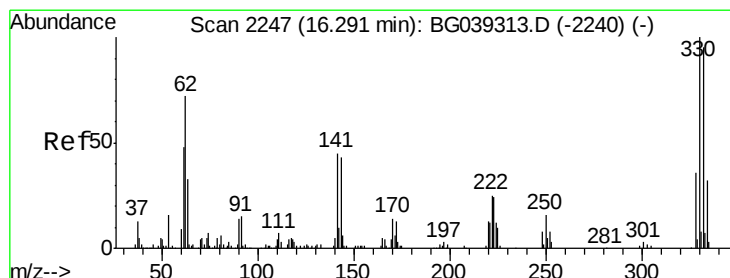
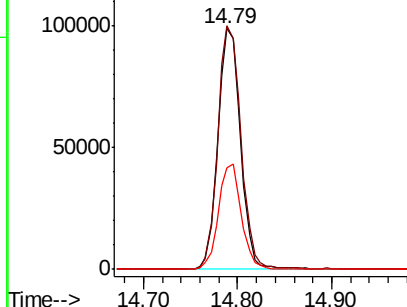
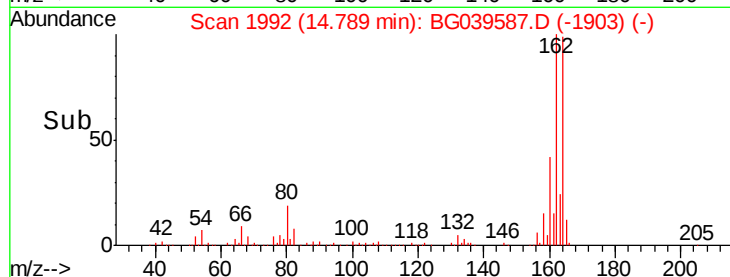
160 42.3 34.2 51.2



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: 116.204 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039587.D

Acq: 25 Feb 2019 15:17

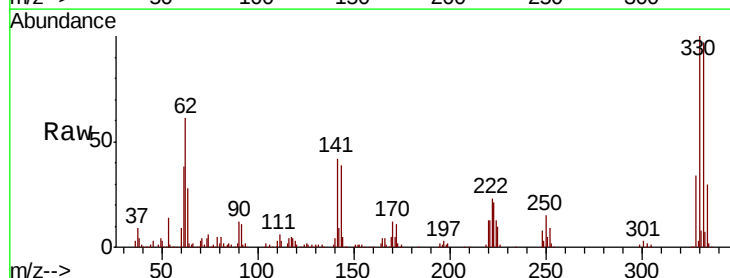
Tgt Ion:330 Resp: 207016

Ion Ratio Lower Upper

330 100

332 94.9 75.7 113.5

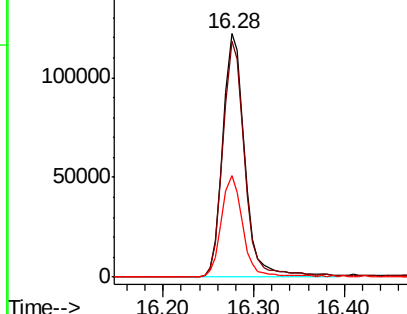
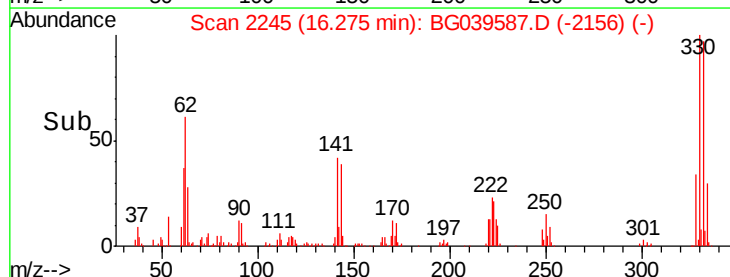
141 40.5 35.6 53.4



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

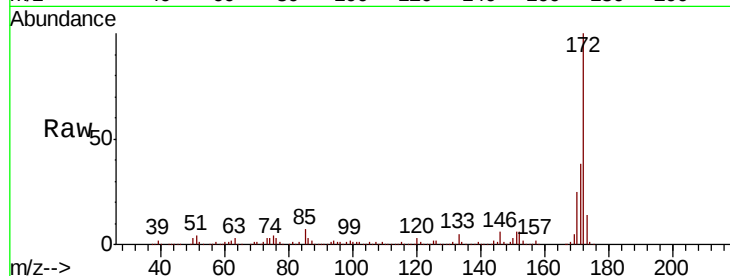




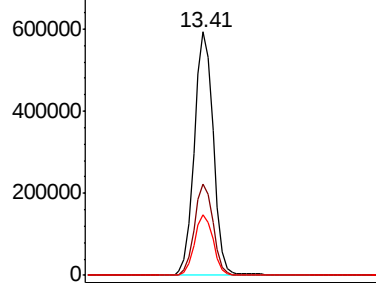
#45
2-Fluorobiphenyl
Concen: 83.244 ng
RT: 13.41 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BG039587.D
Acq: 25 Feb 2019 15:17

Instrument :
BNA_G
ClientSampleId :
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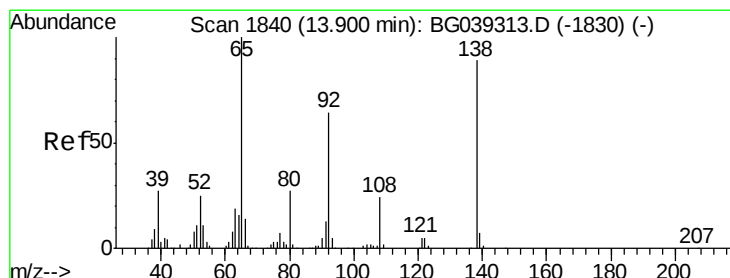
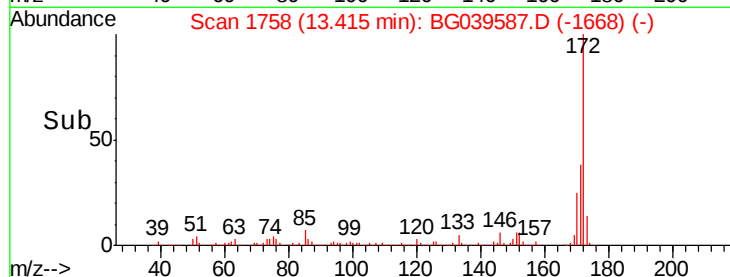
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.8	46.2
170	24.9	20.2	30.4



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

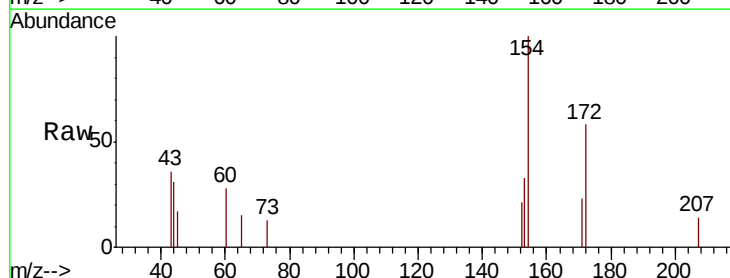


Time-->

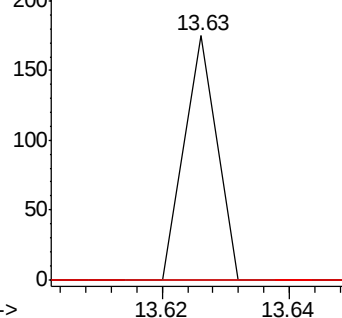


#48
2-Nitroaniline
Concen: 8.314 ng
RT: 13.63 min Scan# 1794
Delta R.T. -0.26 min
Lab File: BG039587.D
Acq: 25 Feb 2019 15:17

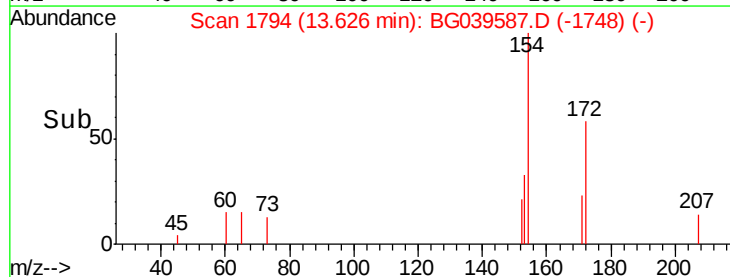
Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	51.4	77.2#
138	0.0	71.4	107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E



Time-->





#51

2,6-Dinitrotoluene

Concen: 13.954 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.42 min

Lab File: BG039587.D

Acq: 25 Feb 2019 15:17

Instrument :

BNA_G

ClientSampleId :

COMP

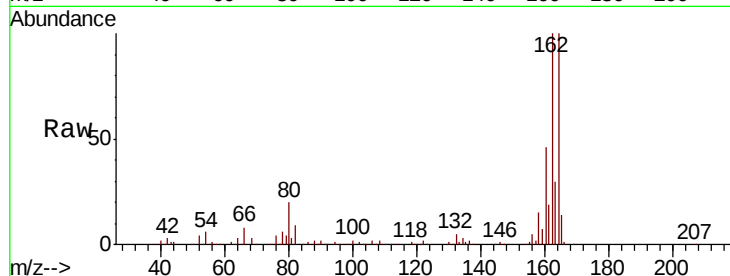
Tot Ion:165 Resp: 21389

Ion Ratio Lower Upper

165 100

63 2.1 47.0 70.6#

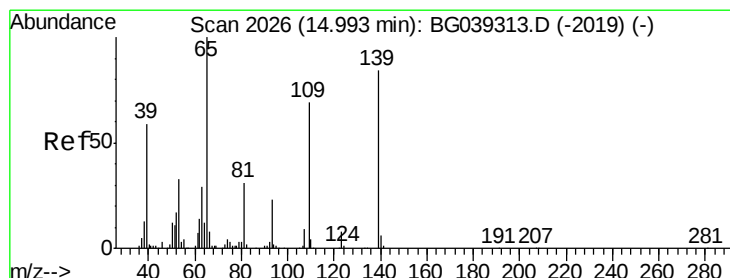
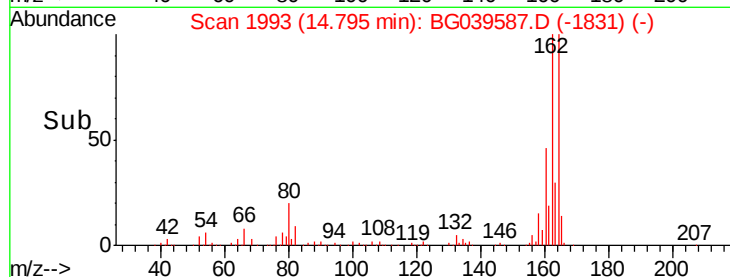
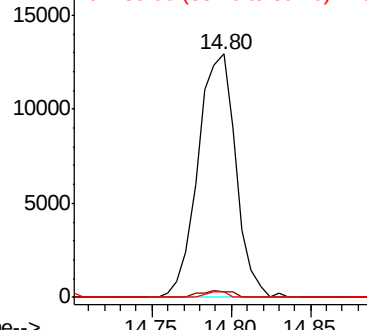
89 2.5 45.8 68.8#



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



#56

4-Nitrophenol

Concen: 5.822 ng

RT: 15.25 min Scan# 2070

Delta R.T. 0.25 min

Lab File: BG039587.D

Acq: 25 Feb 2019 15:17

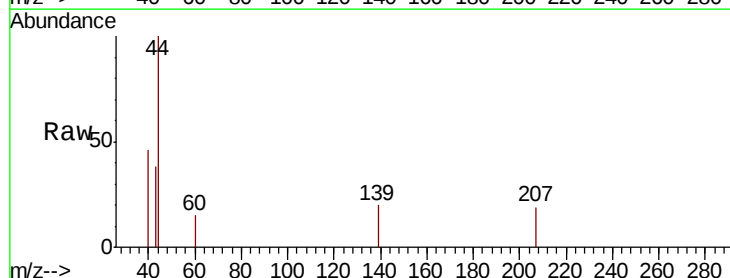
Tgt Ion:139 Resp: 74

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

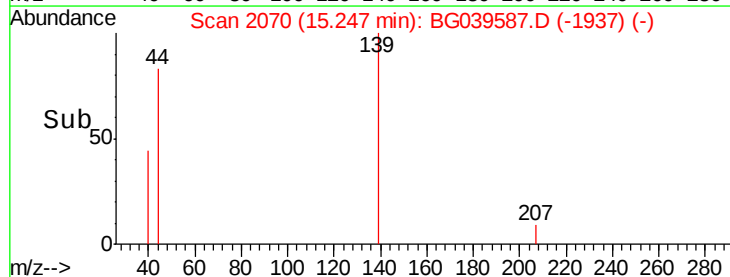
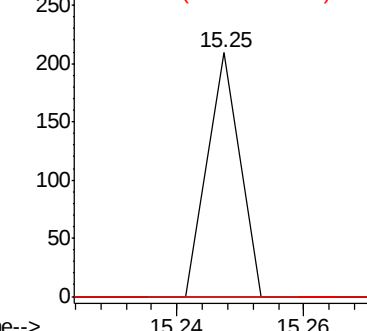
65 0.0 99.1 139.1#



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

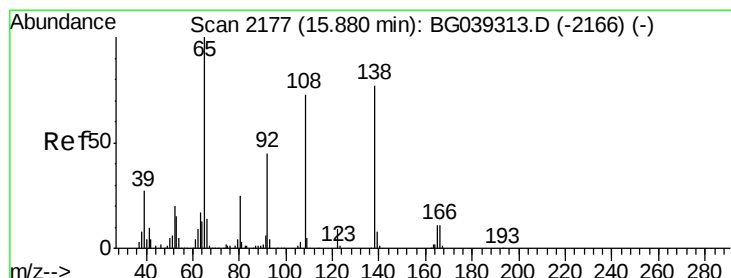
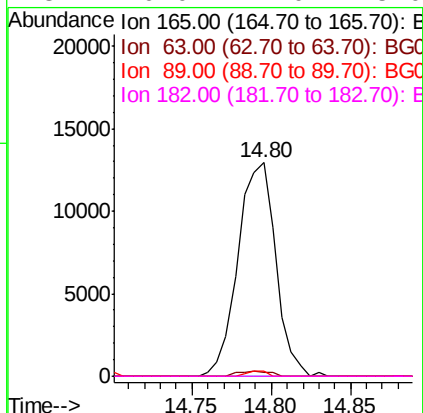
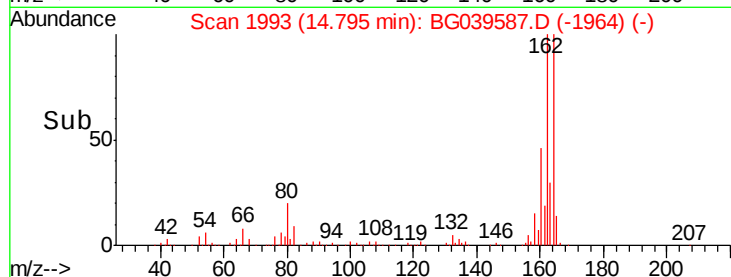
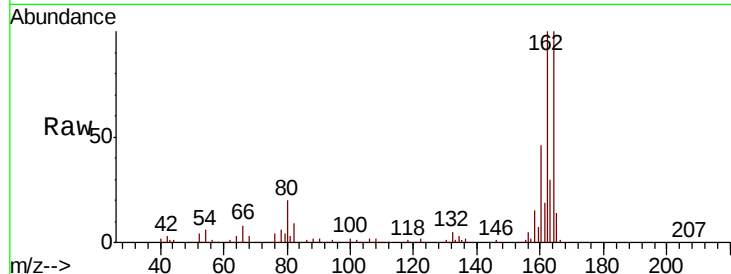




#57
 2,4-Dinitrotoluene
 Concen: 13.422 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.36 min
 Lab File: BG039587.D
 Acq: 25 Feb 2019 15:17

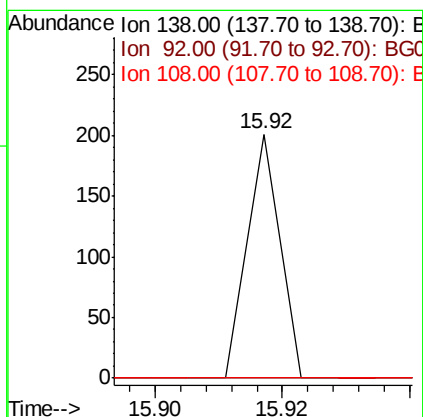
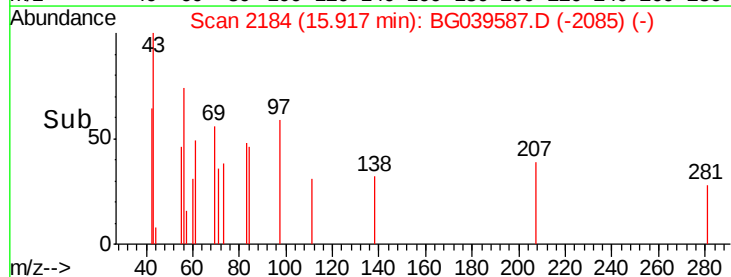
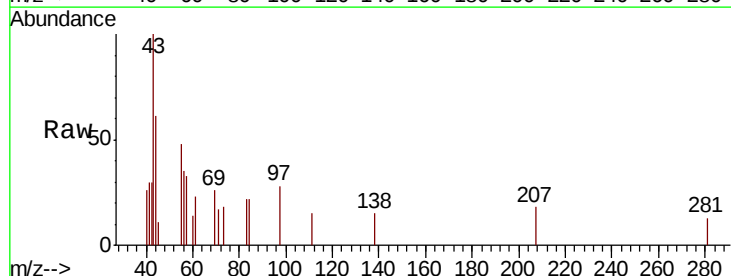
Instrument :
 BNA_G
 ClientSampleId :
 COMP

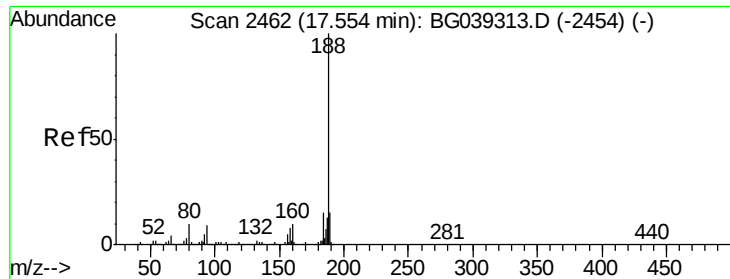
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	41.0	61.6#
89	2.5	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.226 ng
 RT: 15.92 min Scan# 2184
 Delta R.T. 0.05 min
 Lab File: BG039587.D
 Acq: 25 Feb 2019 15:17

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	38.7	78.7#
108	0.0	74.6	114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.01 min

Lab File: BG039587.D

Acq: 25 Feb 2019 15:17

Instrument :

BNA_G

ClientSampleId :

COMP

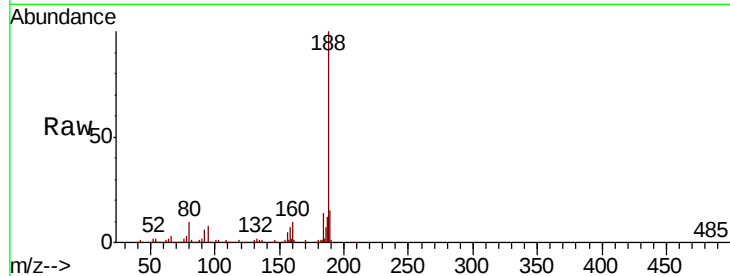
Tot Ion:188 Resp: 386711

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

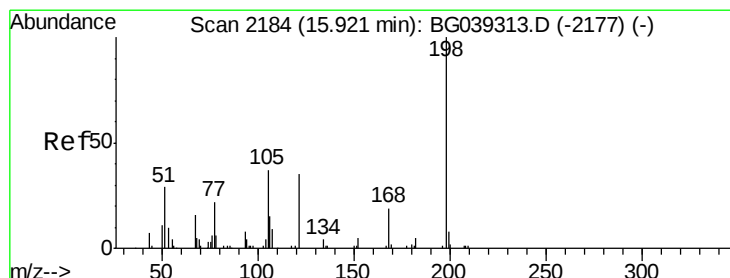
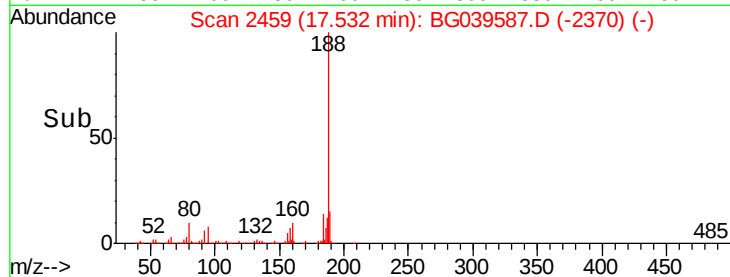
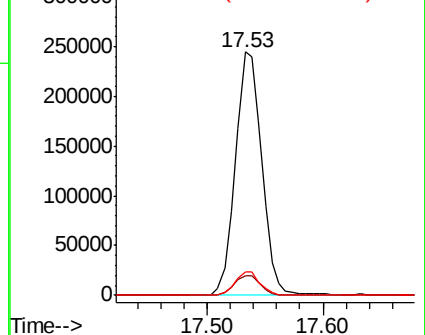
80 9.7 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.943 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039587.D

Acq: 25 Feb 2019 15:17

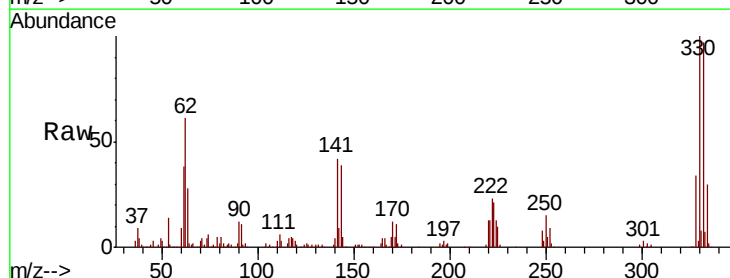
Tgt Ion:198 Resp: 926

Ion Ratio Lower Upper

198 100

51 65.7 27.4 67.4

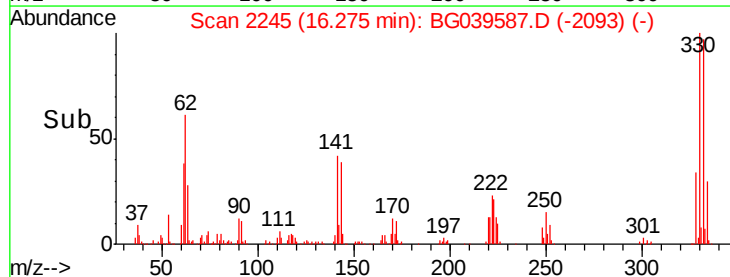
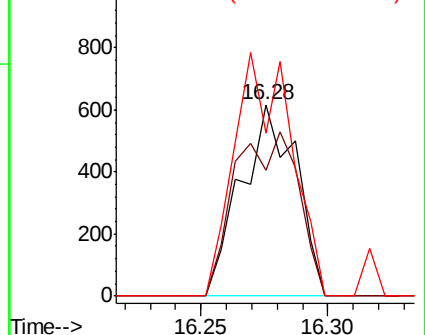
105 85.0 19.7 59.7#

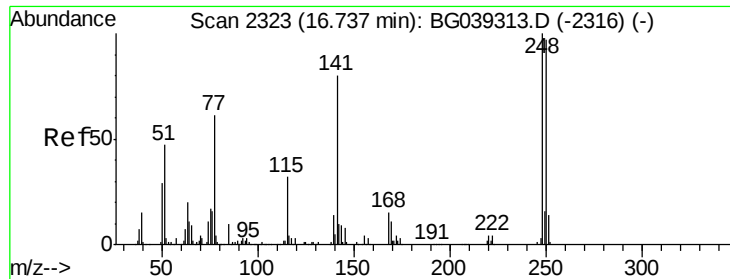


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

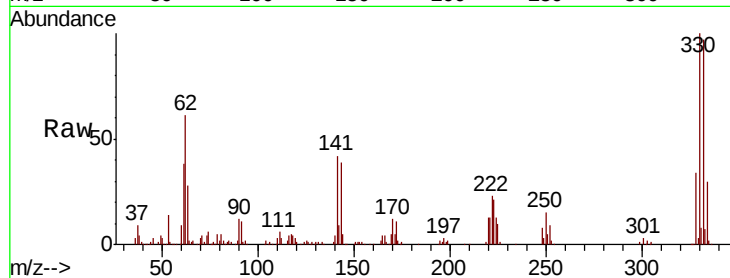




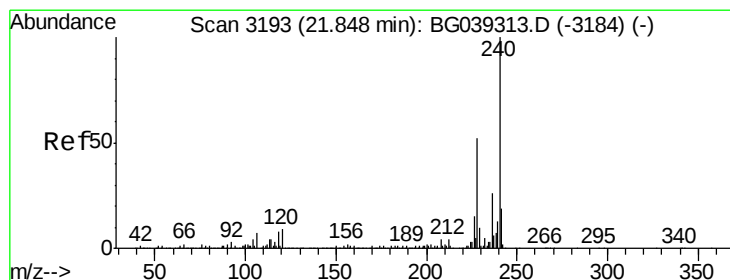
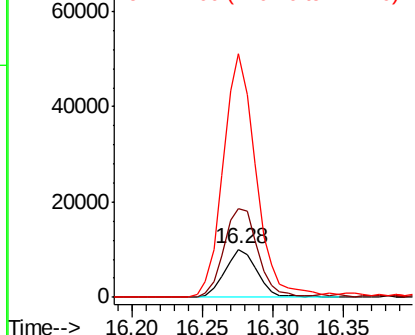
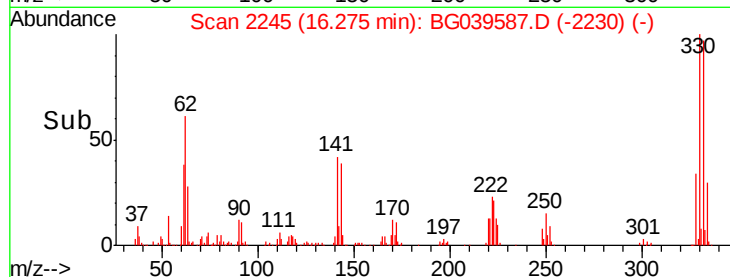
#67
 4-Bromophenyl-phenylether
 Concen: 3.777 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.44 min
 Lab File: BG039587.D
 Acq: 25 Feb 2019 15:17

Instrument :
 BNA_G
 ClientSampleId :
 COMP

Tot Ion:248 Resp: 16202
 Ion Ratio Lower Upper
 248 100
 250 184.2 77.6 116.4#
 141 506.1 63.9 95.9#

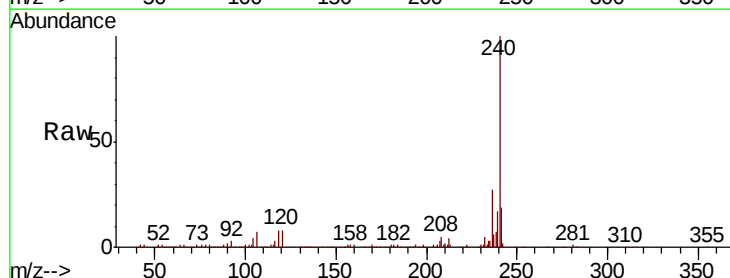


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

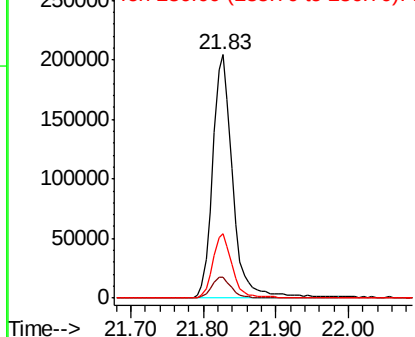
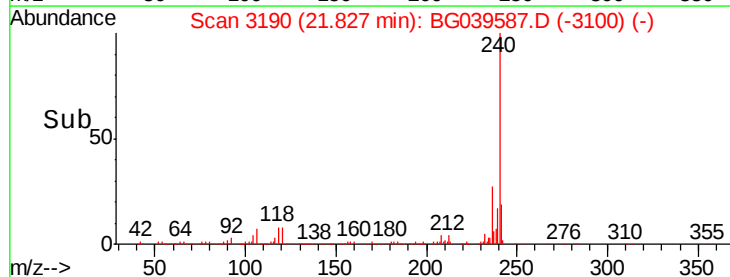


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.00 min
 Lab File: BG039587.D
 Acq: 25 Feb 2019 15:17

Tgt Ion:240 Resp: 393095
 Ion Ratio Lower Upper
 240 100
 120 8.5 7.0 10.6
 236 26.5 21.0 31.4



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





#79

Terphenyl-d14

Concen: 83.845 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.00 min

Lab File: BG039587.D

Acq: 25 Feb 2019 15:17

Instrument :

BNA_G

ClientSampled :

COMP

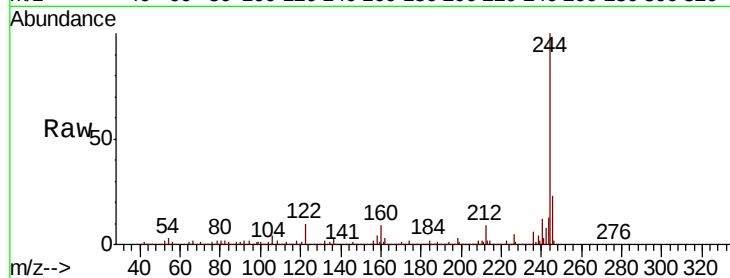
Tot Ion:244 Resp: 1557104

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

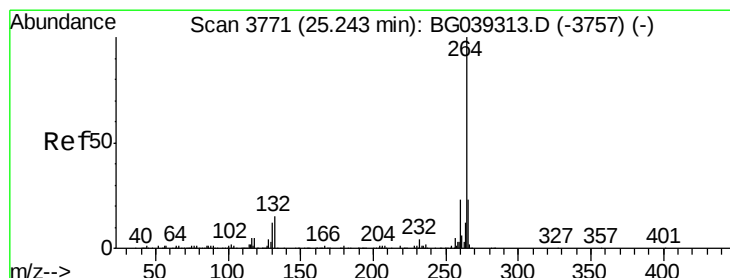
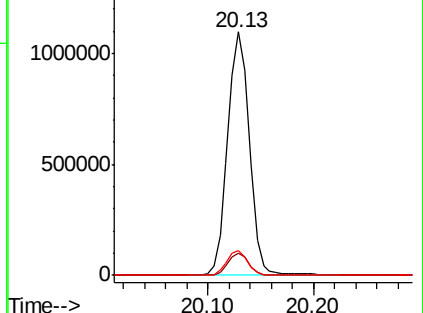
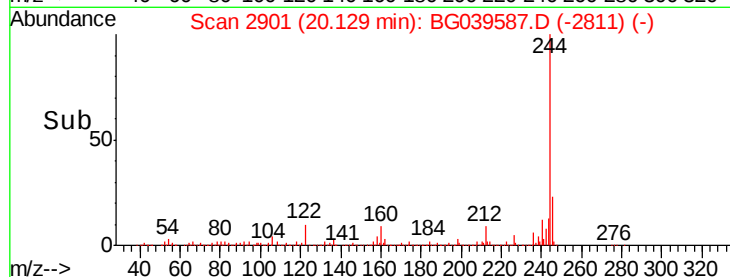
122 10.4 8.4 12.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.21 min Scan# 3766

Delta R.T. 0.01 min

Lab File: BG039587.D

Acq: 25 Feb 2019 15:17

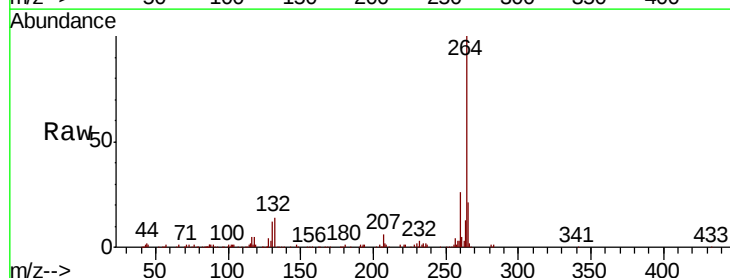
Tgt Ion:264 Resp: 329261

Ion Ratio Lower Upper

264 100

260 25.5 18.2 27.4

265 20.6 18.5 27.7



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

