

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030119\
 Data File : BG039710.D
 Acq On : 2 Mar 2019 6:09
 Operator : JU/SJ
 Sample : K1675-26
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 23:47:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	58012	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	250661	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	155334	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	363468	20.00	ng	0.00
76) Chrysene-d12	21.82	240	392203	20.00	ng	0.00
87) Perylene-d12	25.20	264	372570	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	447965	132.16	ng	0.00
7) Phenol-d6	7.31	99	564423	113.13	ng	0.00
23) Nitrobenzene-d5	9.34	82	431297	107.49	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	222771	133.18	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	946812	87.44	ng	0.00
79) Terphenyl-d14	20.12	244	1489169	80.37	ng	0.00

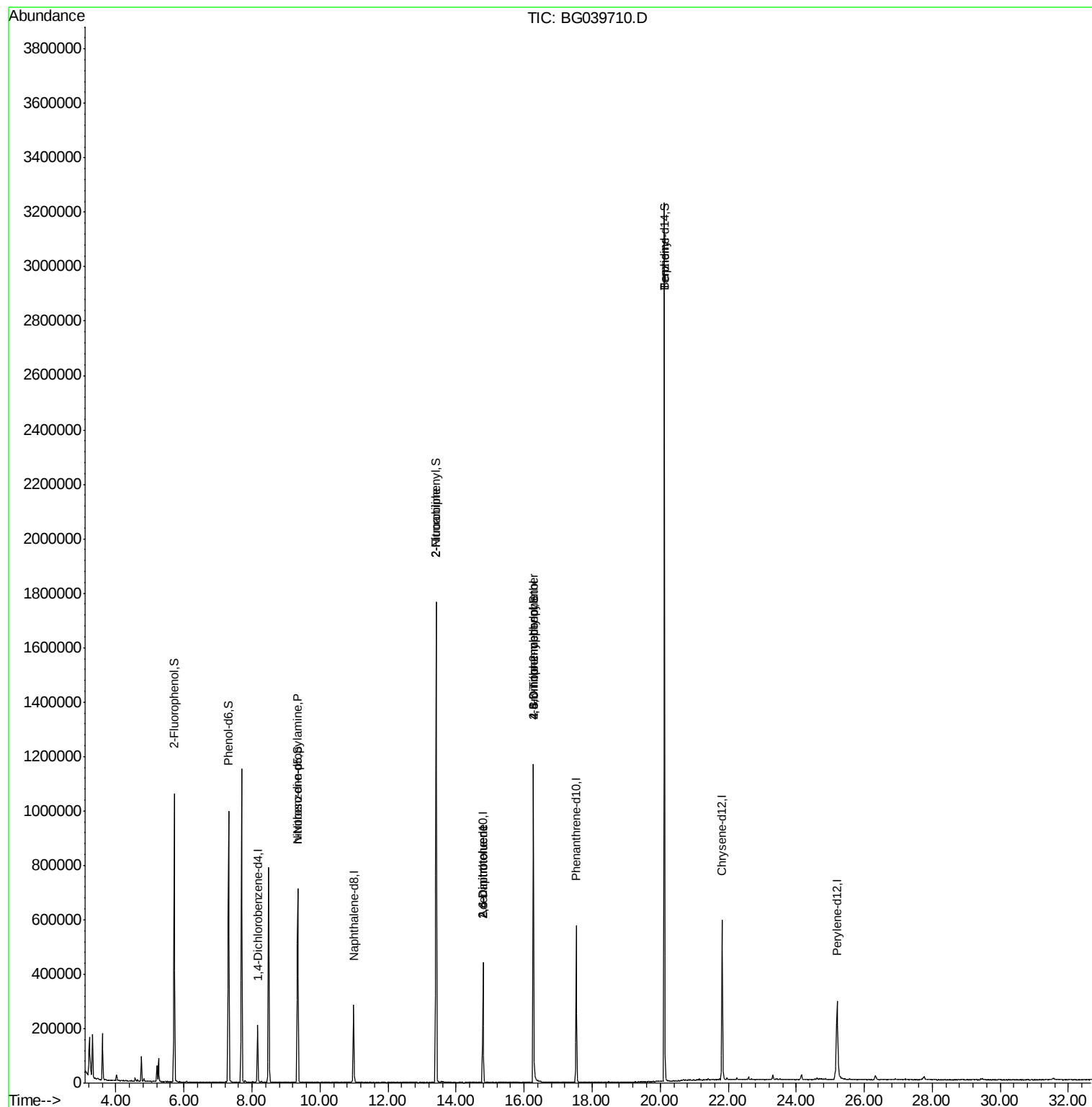
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	891	Below Cal	#	18
19) n-Nitroso-di-n-propylamine	9.34	70	58753	16.591	ng	# 65
48) 2-Nitroaniline	13.41	65	1682	8.794	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	19521	13.747	ng	# 24
57) 2,4-Dinitrotoluene	14.79	165	19521	13.265	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.27	198	867	4.940	ng	# 2
67) 4-Bromophenyl-phenylether	16.28	248	16884	4.187	ng	# 1
77) Benzidine	20.12	184	26211	2.038	ng	# 92

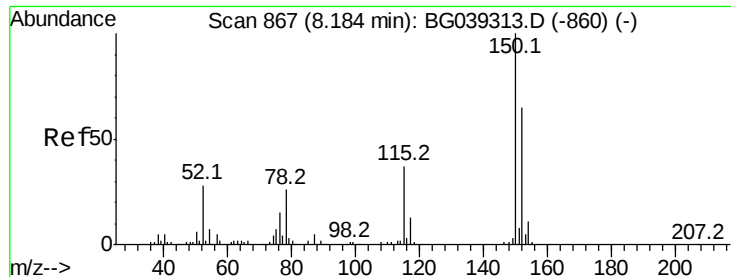
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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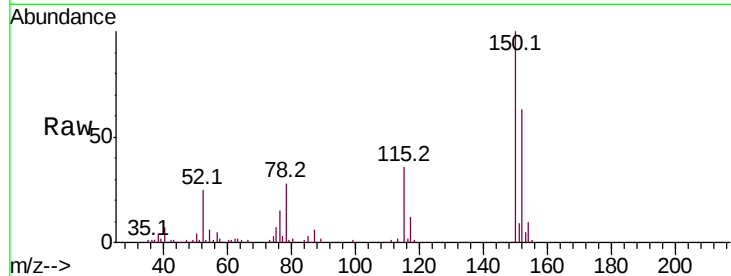


#1

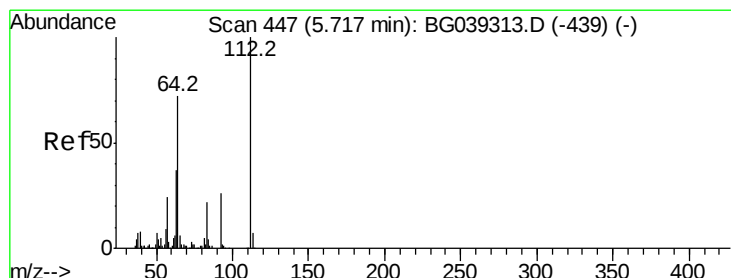
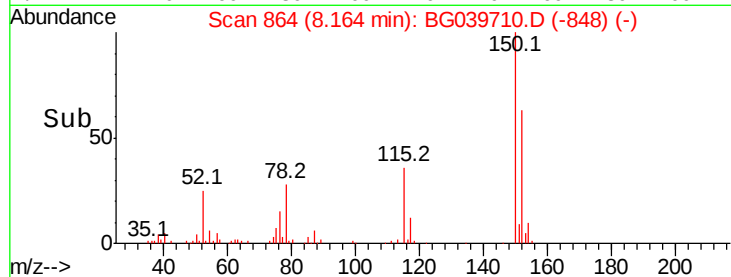
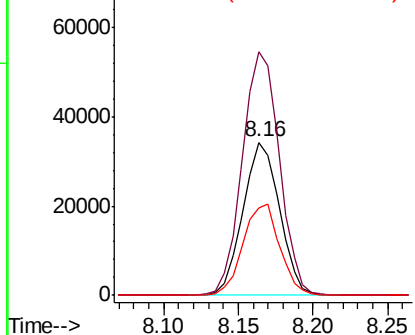
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039710.D
Acq: 2 Mar 2019 6:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58012
Ion Ratio Lower Upper
152 100
150 158.9 123.7 185.5
115 57.2 45.9 68.9



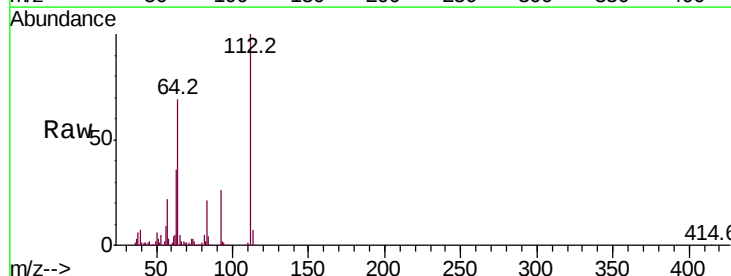
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



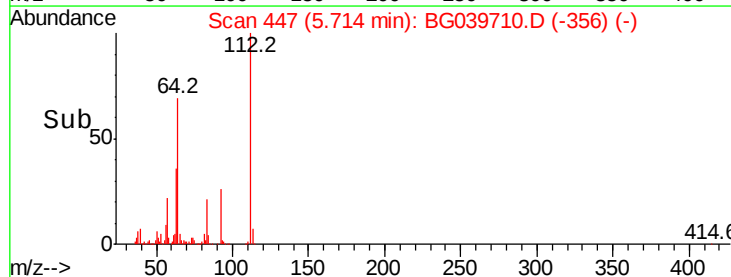
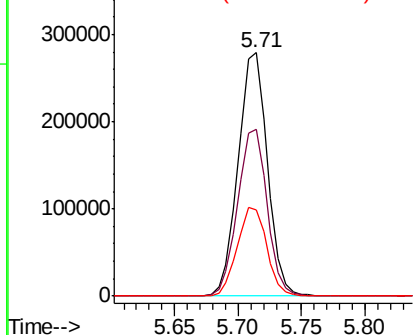
#5

2-Fluorophenol
Concen: 132.162 ng
RT: 5.71 min Scan# 447
Delta R.T. 0.01 min
Lab File: BG039710.D
Acq: 2 Mar 2019 6:09

Tgt Ion:112 Resp: 447965
Ion Ratio Lower Upper
112 100
64 68.6 57.8 86.8
63 35.6 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: 113.127 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039710.D

Acq: 2 Mar 2019 6:09

Instrument :

BNA_G

ClientSampleId :

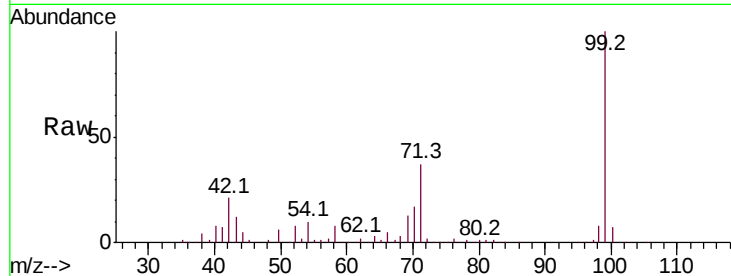
Tot Ion: 99 Resp: 564423

Ion Ratio Lower Upper

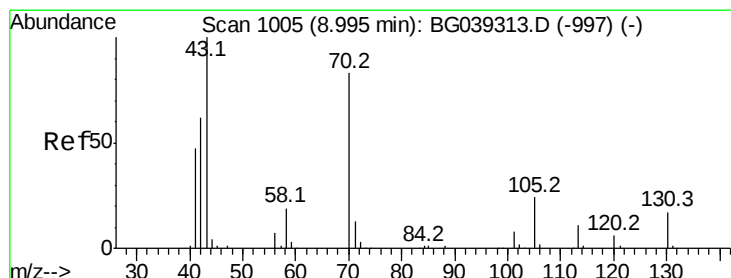
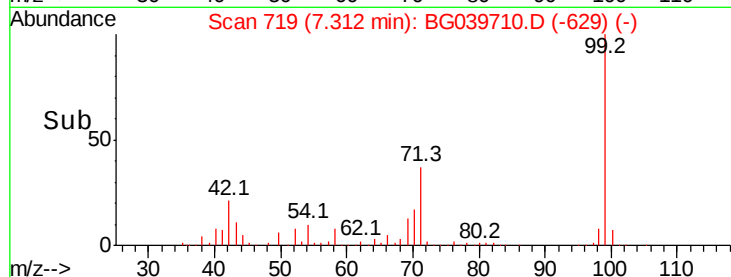
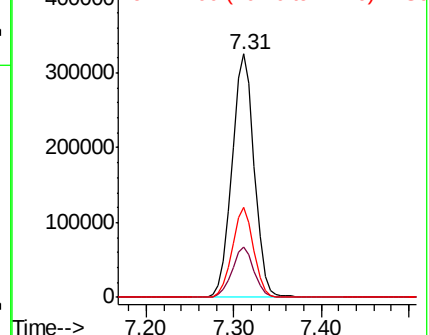
99 100

42 20.7 18.2 27.2

71 36.7 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: 16.591 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.38 min

Lab File: BG039710.D

Acq: 2 Mar 2019 6:09

Tgt Ion: 70 Resp: 58753

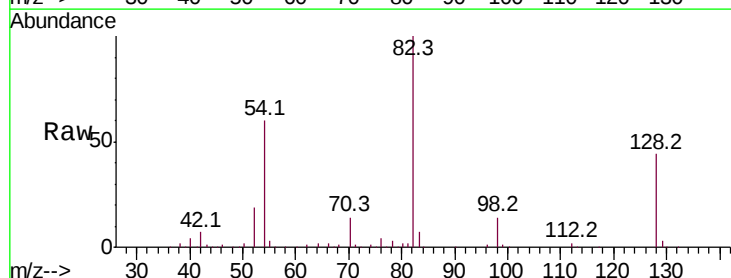
Ion Ratio Lower Upper

70 100

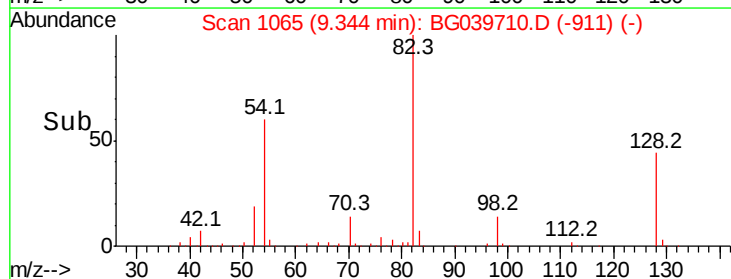
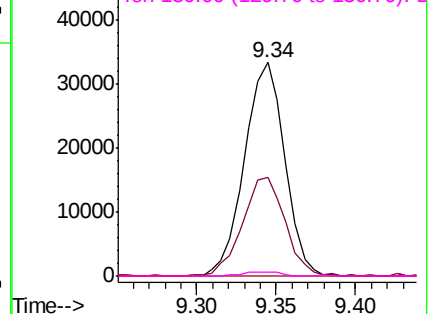
42 46.1 60.4 90.6#

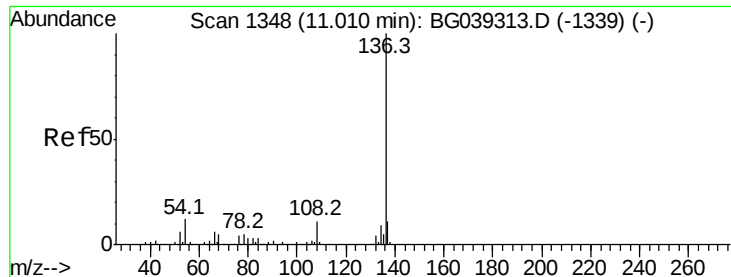
101 0.0 7.5 11.3#

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

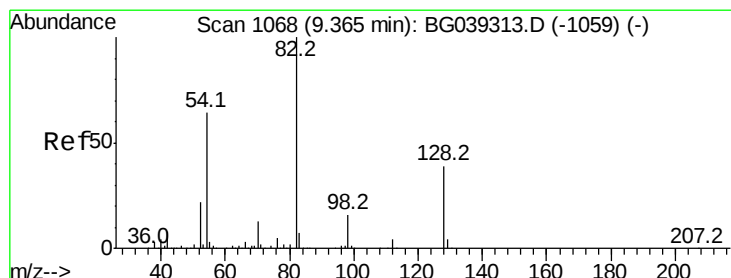
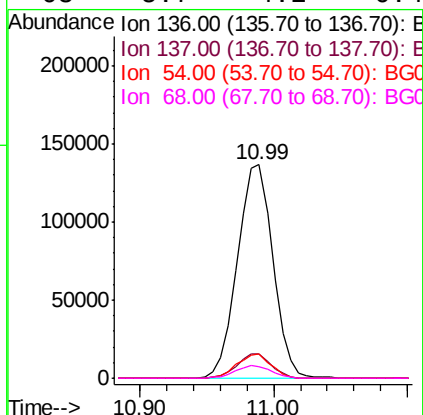
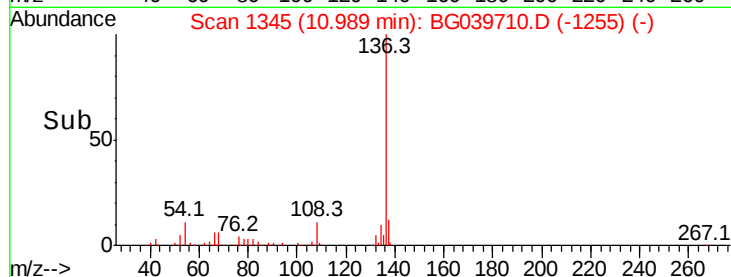
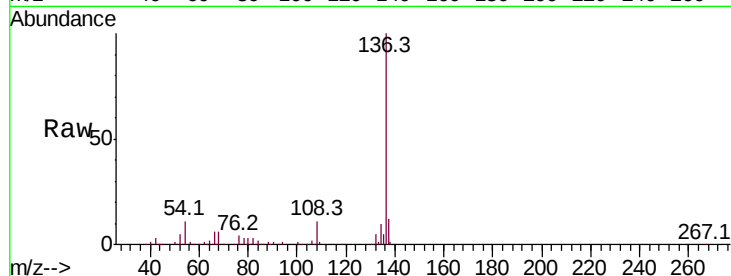




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BG039710.D
Acq: 2 Mar 2019 6:09

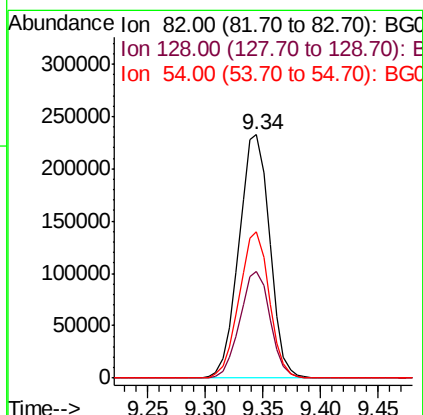
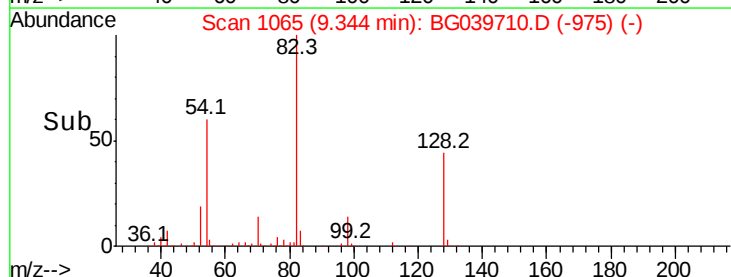
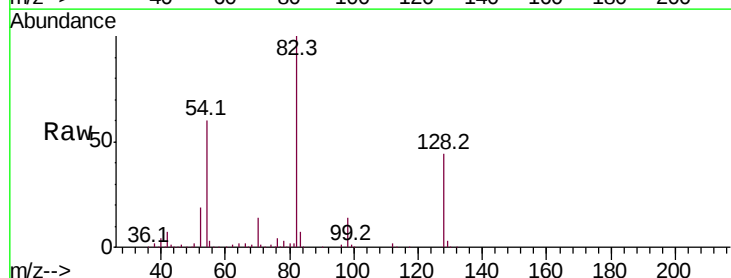
Instrument :
BNA_G
ClientSampleId :

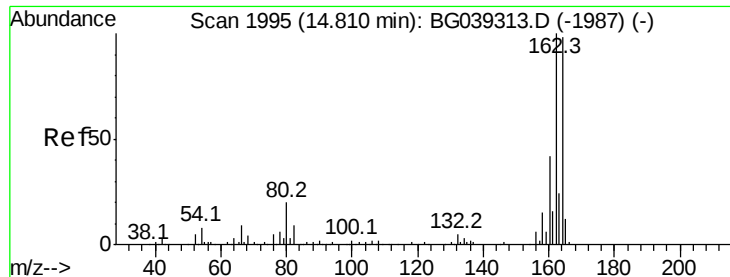
Tot Ion:136	Resp:	250661
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.1 13.7
54	11.1	9.4 14.2
68	5.7	4.2 6.4



#23
Nitrobenzene-d5
Concen: 107.491 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG039710.D
Acq: 2 Mar 2019 6:09

Tgt Ion: 82	Resp:	431297
Ion	Ratio	Lower Upper
82	100	
128	43.8	31.3 46.9
54	60.2	50.9 76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BG039710.D

Acq: 2 Mar 2019 6:09

Instrument :

BNA_G

ClientSampleId :

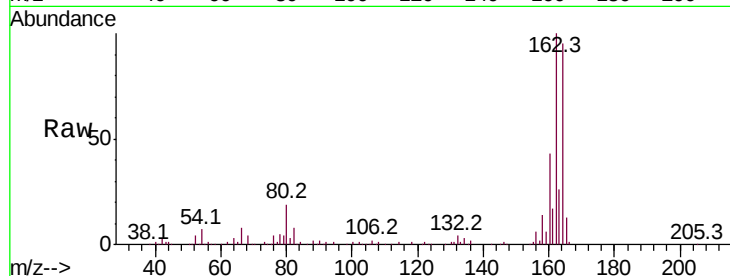
Tot Ion:164 Resp: 155334

Ion Ratio Lower Upper

164 100

162 104.7 81.6 122.4

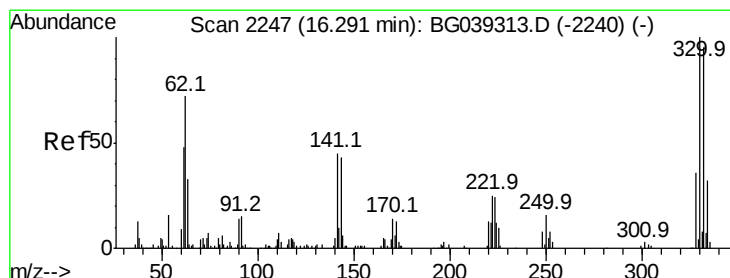
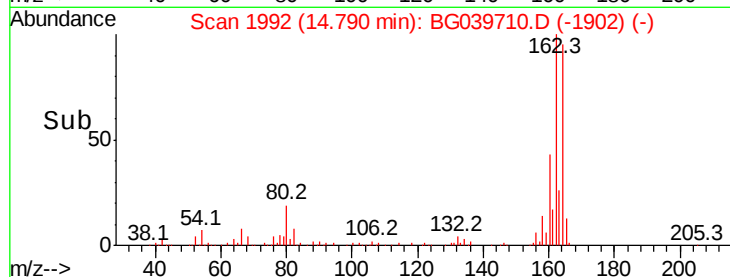
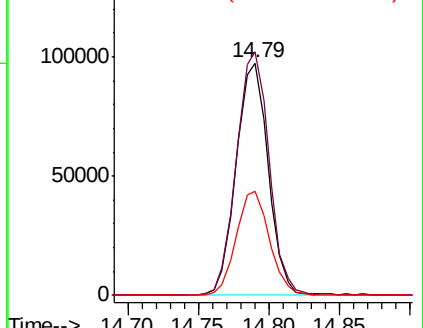
160 44.8 34.2 51.2



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: 133.182 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BG039710.D

Acq: 2 Mar 2019 6:09

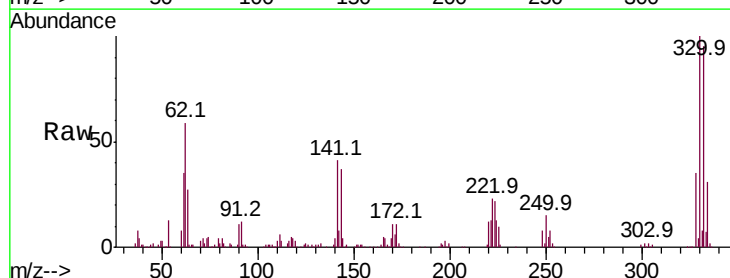
Tgt Ion:330 Resp: 222771

Ion Ratio Lower Upper

330 100

332 96.0 75.7 113.5

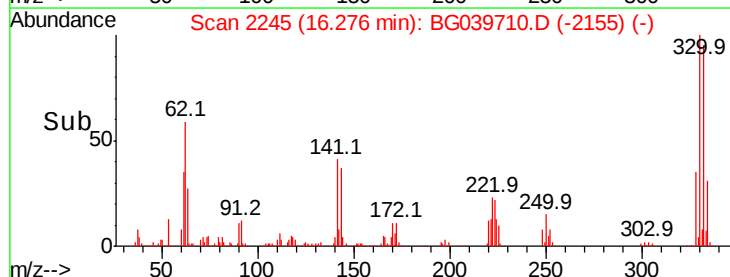
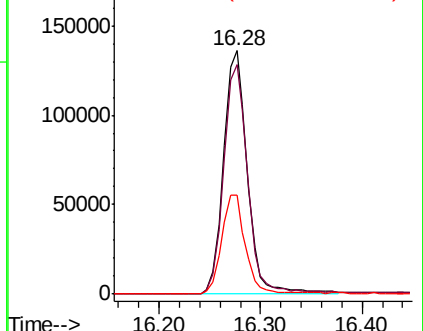
141 40.9 35.6 53.4

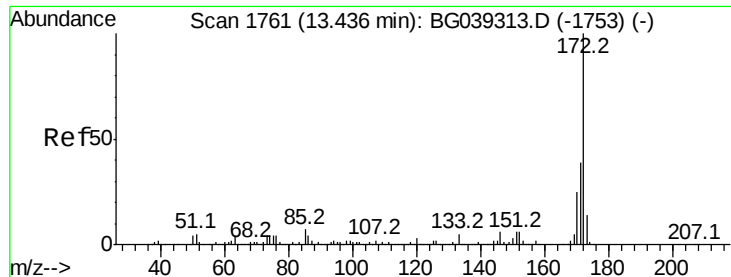


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

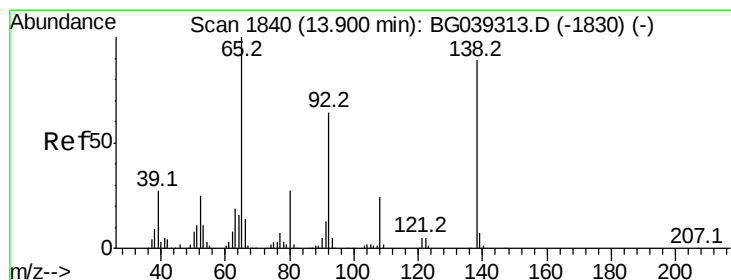
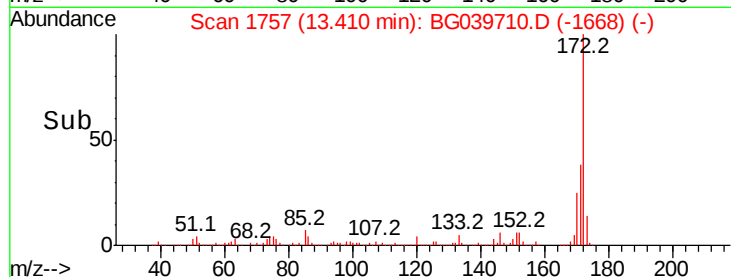
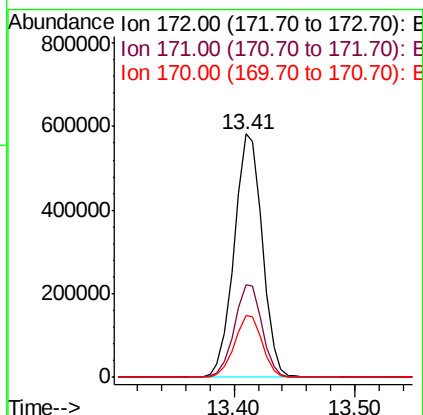
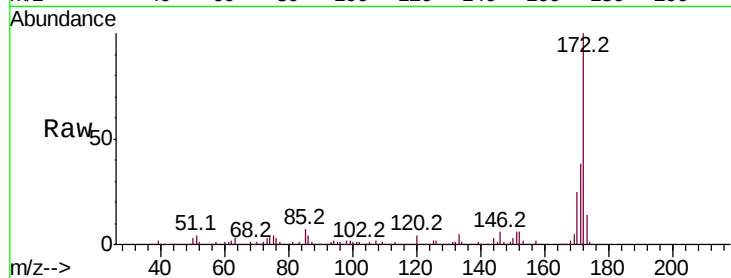




#45
2-Fluorobiphenyl
Concen: 87.441 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG039710.D
Acq: 2 Mar 2019 6:09

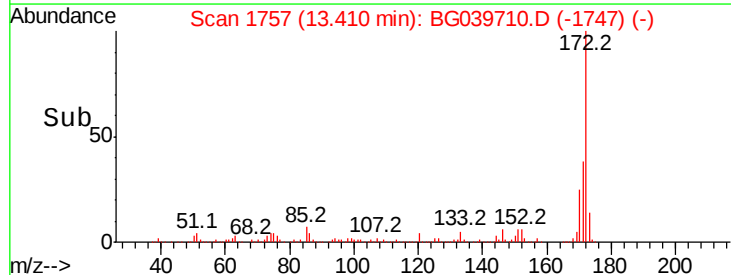
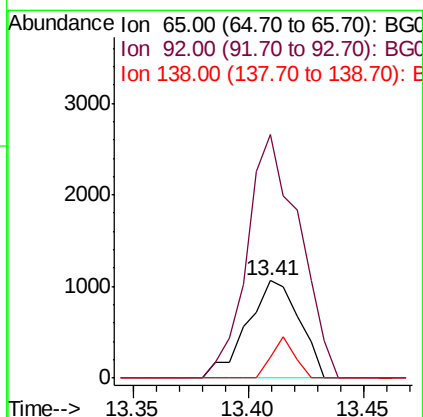
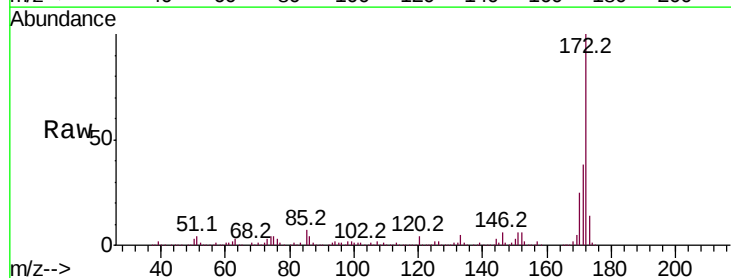
Instrument :
BNA_G
ClientSampleId :

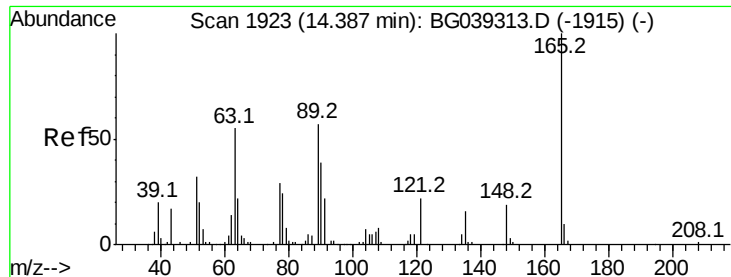
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.8	46.2
170	25.2	20.2	30.4



#48
2-Nitroaniline
Concen: 8.794 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.47 min
Lab File: BG039710.D
Acq: 2 Mar 2019 6:09

Tgt Ion	Ratio	Lower	Upper
65	100		
92	249.8	51.4	77.2#
138	21.9	71.4	107.2#





#51

2,6-Dinitrotoluene

Concen: 13.747 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.42 min

Lab File: BG039710.D

Acq: 2 Mar 2019 6:09

Instrument :

BNA_G

ClientSampleId :

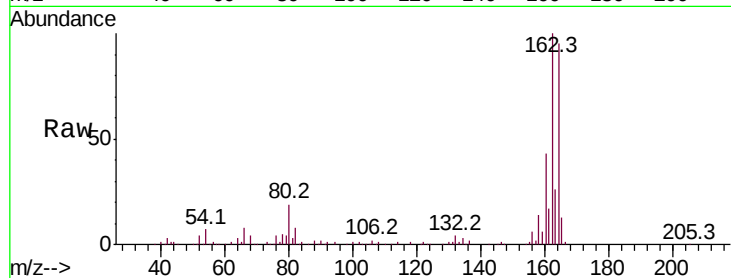
Tot Ion:165 Resp: 19521

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

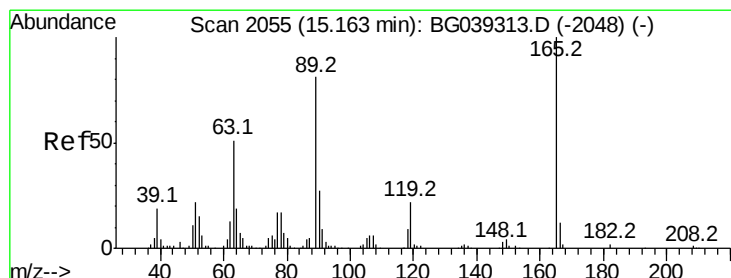
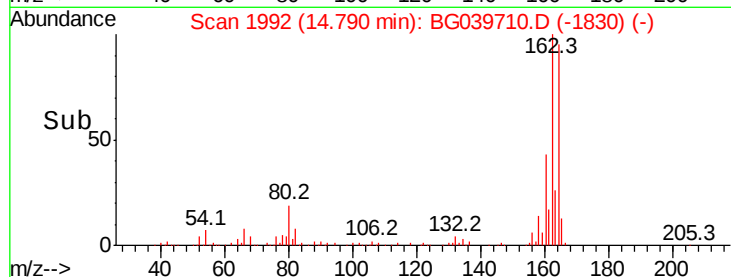
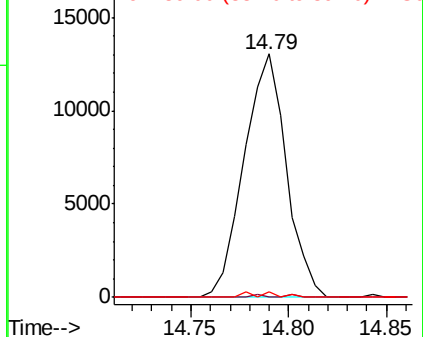
89 2.5 45.8 68.8#



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



#57

2,4-Dinitrotoluene

Concen: 13.265 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.36 min

Lab File: BG039710.D

Acq: 2 Mar 2019 6:09

Tgt Ion:165 Resp: 19521

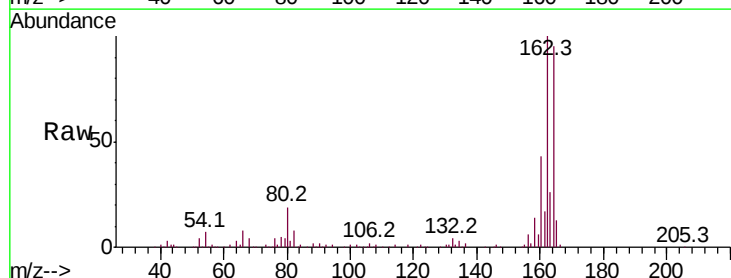
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 2.5 64.6 96.8#

182 0.0 2.0 3.0#

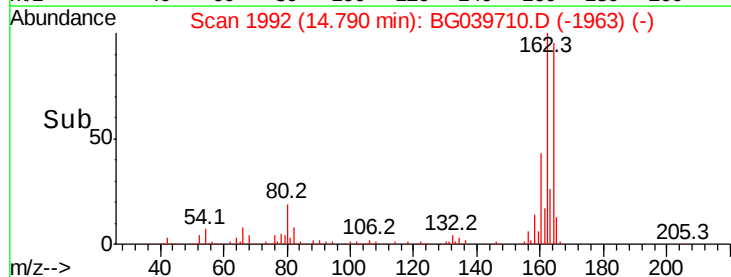
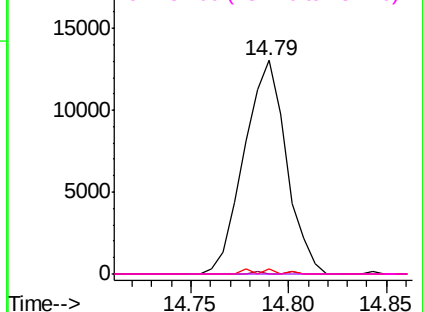


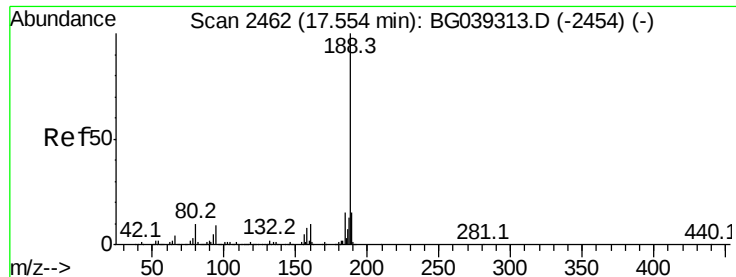
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.00 min

Lab File: BG039710.D

Acq: 2 Mar 2019 6:09

Instrument :

BNA_G

ClientSampleId :

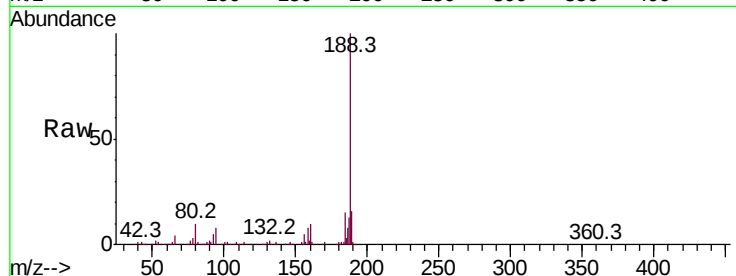
Tot Ion:188 Resp: 363468

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

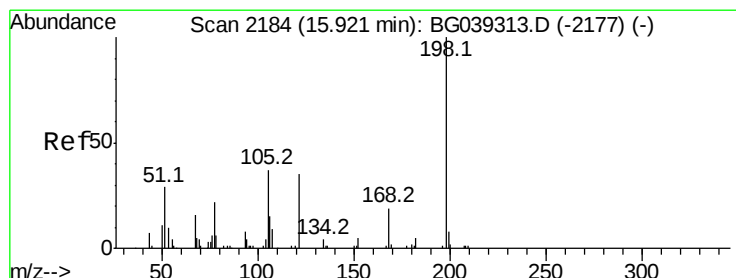
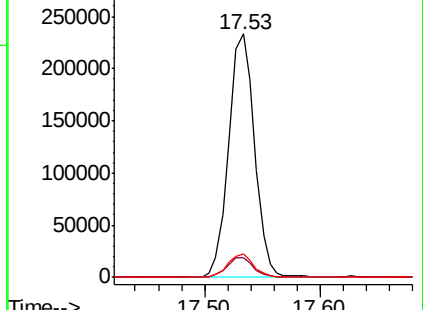
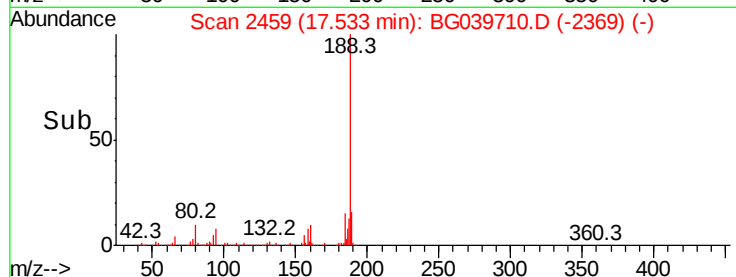
80 9.5 8.1 12.1



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: 4.940 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.36 min

Lab File: BG039710.D

Acq: 2 Mar 2019 6:09

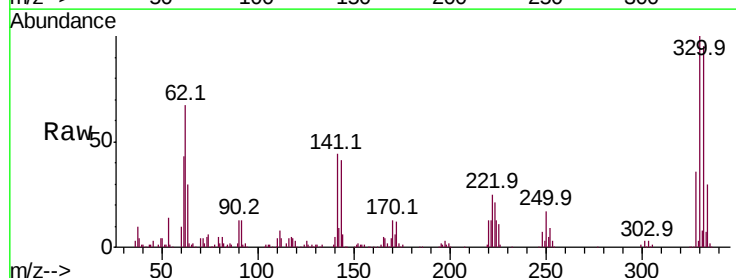
Tgt Ion:198 Resp: 867

Ion Ratio Lower Upper

198 100

51 112.4 27.4 67.4#

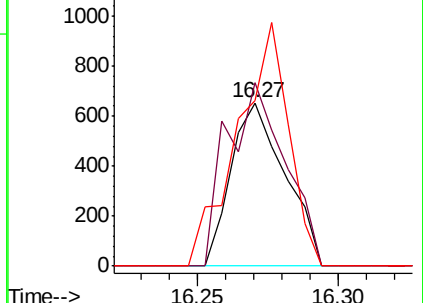
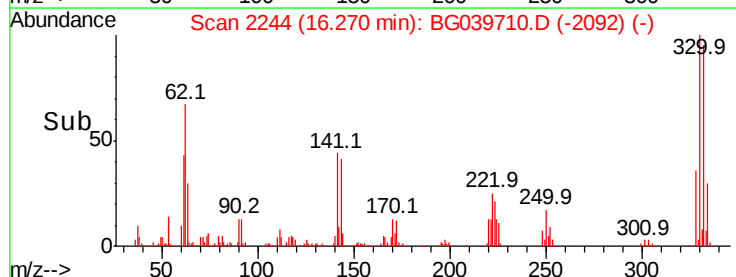
105 101.5 19.7 59.7#

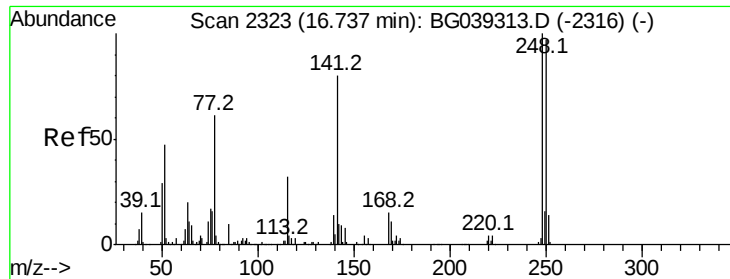


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

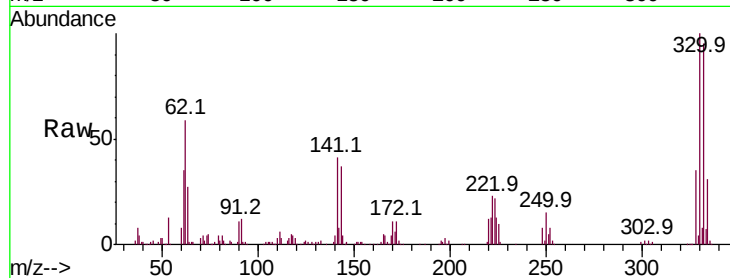




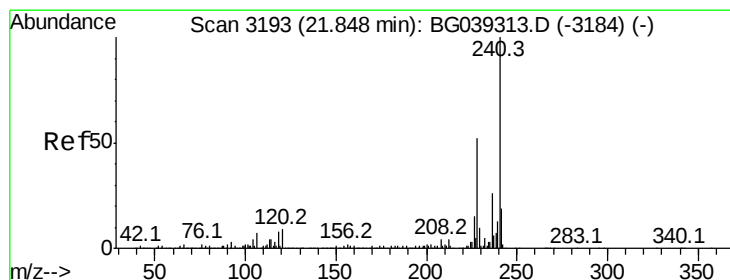
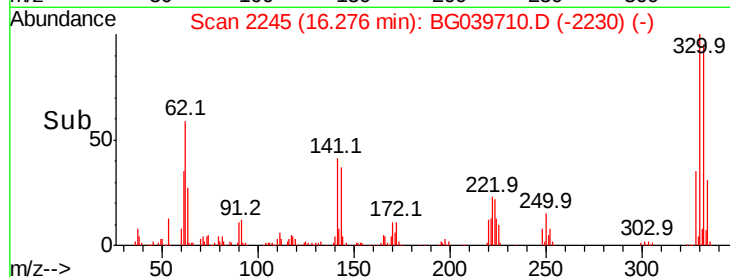
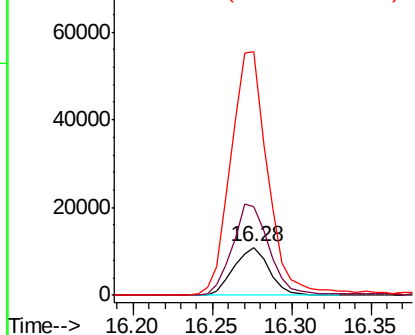
#67
 4-Bromophenyl-phenylether
 Concen: 4.187 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.44 min
 Lab File: BG039710.D
 Acq: 2 Mar 2019 6:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16884
 Ion Ratio Lower Upper
 248 100
 250 185.1 77.6 116.4#
 141 505.0 63.9 95.9#

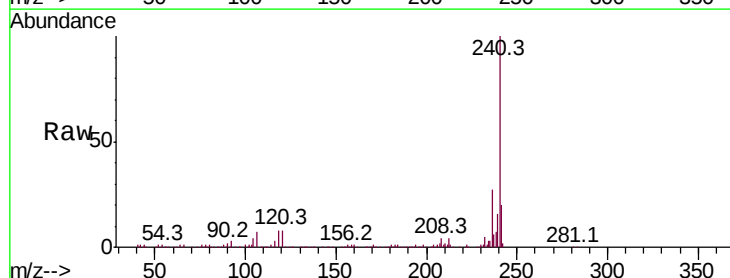


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

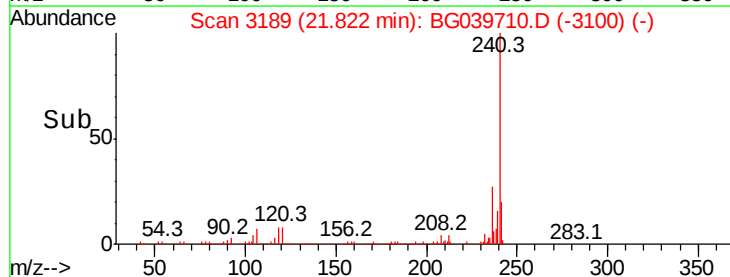
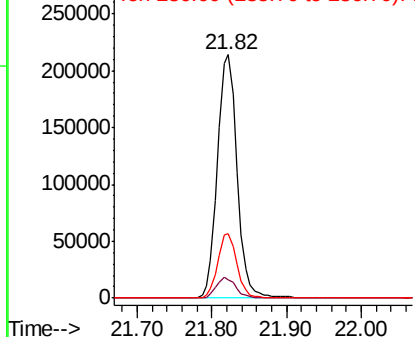


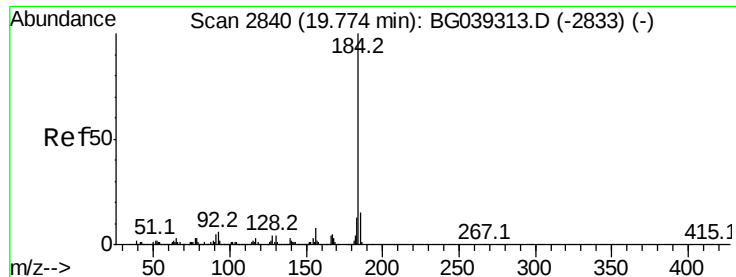
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.01 min
 Lab File: BG039710.D
 Acq: 2 Mar 2019 6:09

Tgt Ion:240 Resp: 392203
 Ion Ratio Lower Upper
 240 100
 120 7.7 7.0 10.6
 236 26.6 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





#77

Benzidine

Concen: 2.038 ng

RT: 20.12 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG039710.D

Acq: 2 Mar 2019 6:09

Instrument :

BNA_G

ClientSampled :

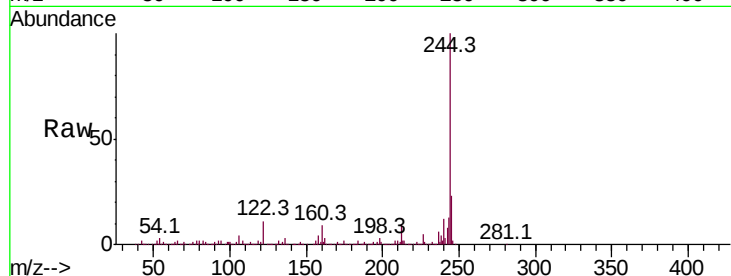
Tot Ion:184 Resp: 26211

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.2

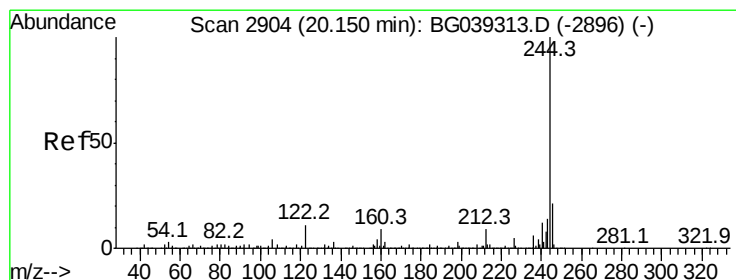
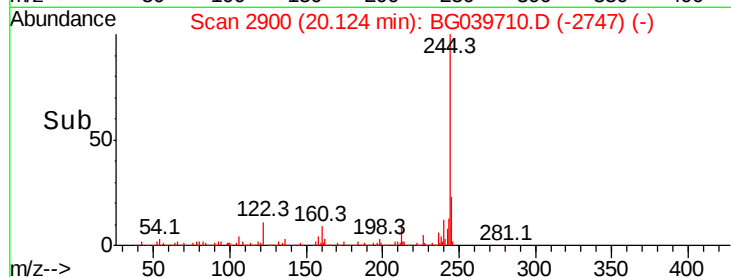
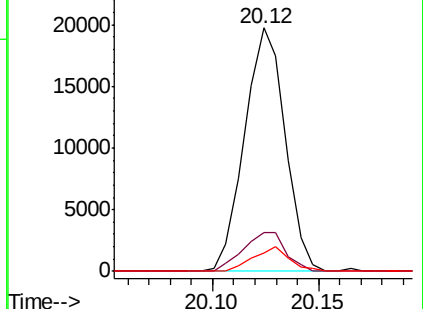
183 7.3 10.6 15.8#



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: 80.369 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG039710.D

Acq: 2 Mar 2019 6:09

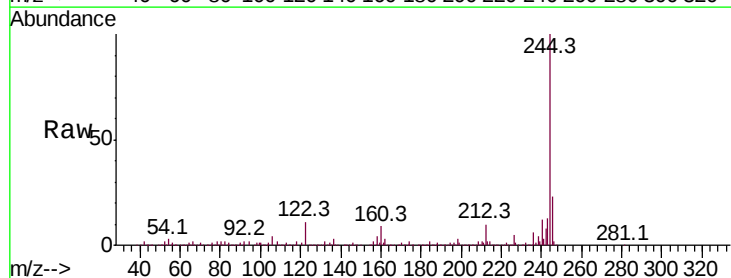
Tgt Ion:244 Resp: 1489169

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

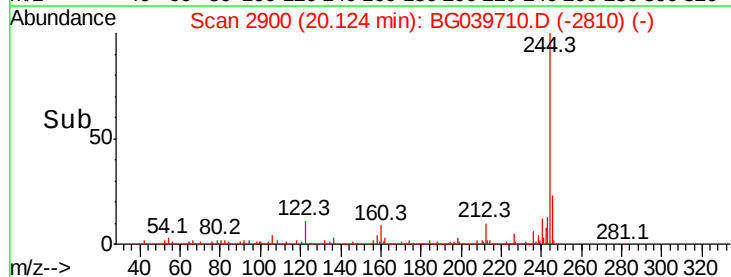
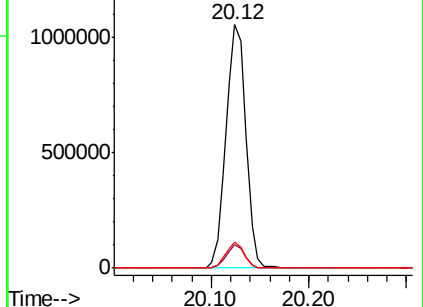
122 10.6 8.4 12.6

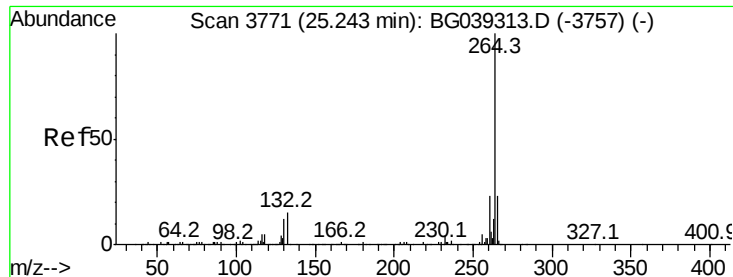


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

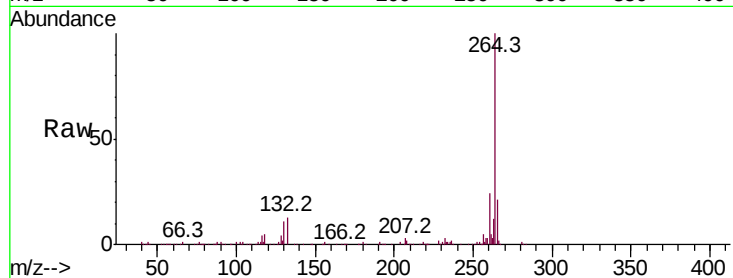




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.00 min
Lab File: BG039710.D
Acq: 2 Mar 2019 6:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	21.0	18.5	27.7



Abundance Ion 264.00 (263.70 to 264.70): E
150000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

