

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039413.D
 Acq On : 8 Feb 2019 12:01
 Operator : JU/SJ
 Sample : PB116922TB
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116922TB

Quant Time: Feb 08 13:16:52 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	8.18	152	45560	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	206493	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	136455	20.00	ng	0.00
64) Phenanthrene-d10	17.54	188	336429	20.00	ng	0.00
76) Chrysene-d12	21.83	240	376342	20.00	ng	-0.01
87) Perylene-d12	25.22	264	364322	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	428284	160.89	ng	0.00
7) Phenol-d6	7.31	99	608234	155.23	ng	0.00
23) Nitrobenzene-d5	9.35	82	338039	102.27	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	114319	77.80	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	870279	91.49	ng	0.00
79) Terphenyl-d14	20.14	244	1455288	81.85	ng	-0.01

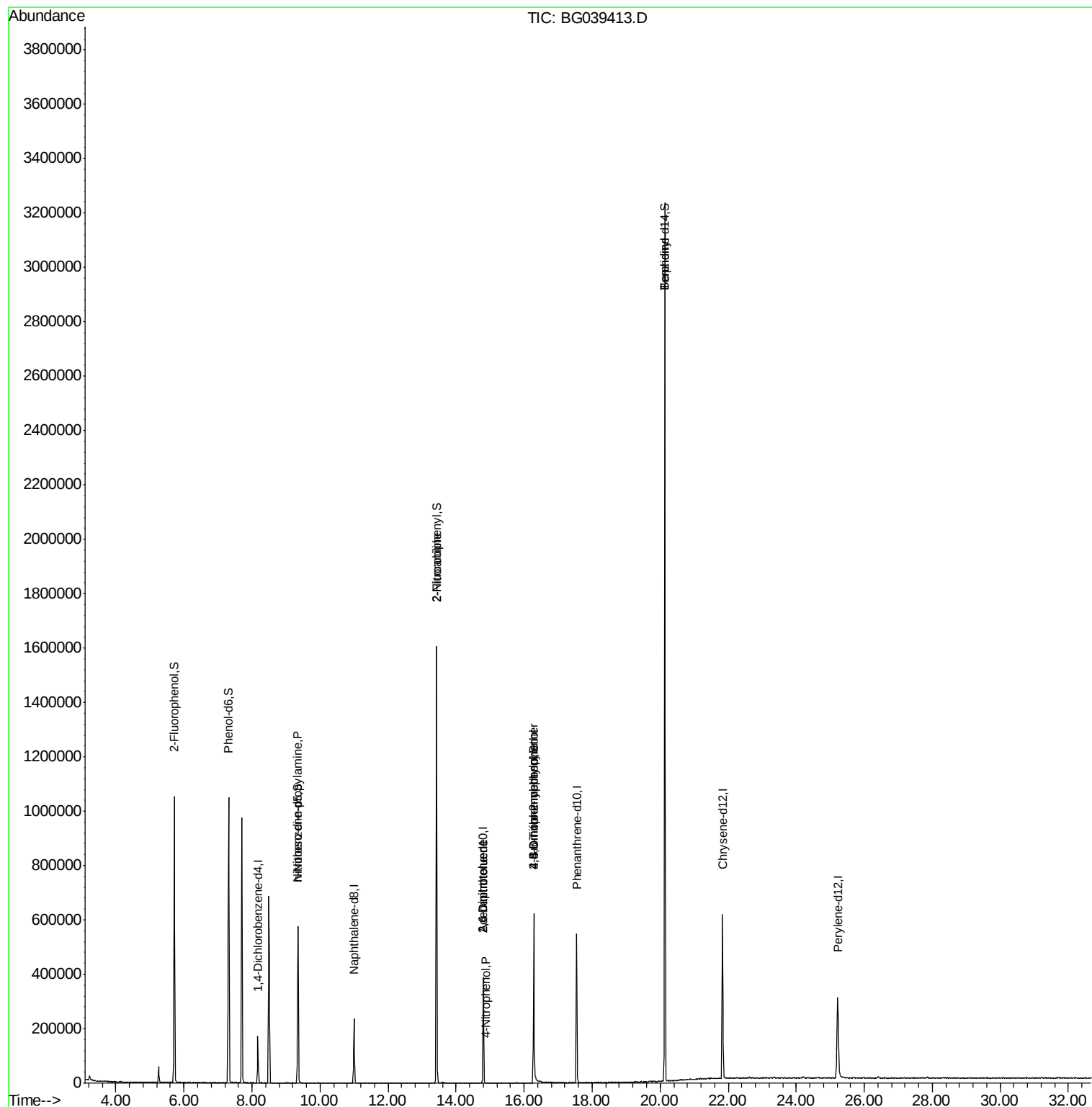
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1235	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.35	70	44111	15.86	ng	70
48) 2-Nitroaniline	13.43	65	1586	8.83	ng	1
51) 2,6-Dinitrotoluene	14.80	165	18177	14.18	ng	25
56) 4-Nitrophenol	14.87	139	92	5.84	ng	1
57) 2,4-Dinitrotoluene	14.80	165	18177	13.59	ng	20
65) 4,6-Dinitro-2-methylphenol	16.29	198	299	4.46	ng	1
67) 4-Bromophenyl-phenylether	16.28	248	8591	2.30	ng	1
77) Benzidine	20.14	184	25833	2.09	ng	94

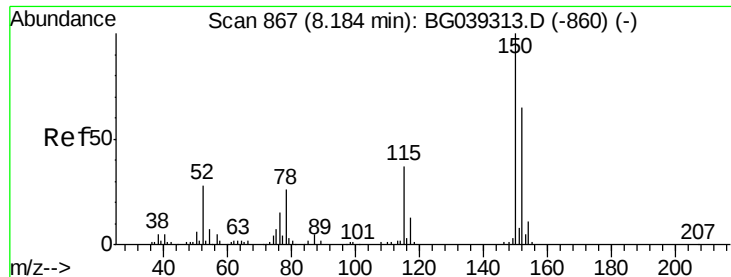
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: BG039413.D

Acq: 8 Feb 2019 12:01

Instrument :

BNA_G

ClientSampleId :

PB116922TB

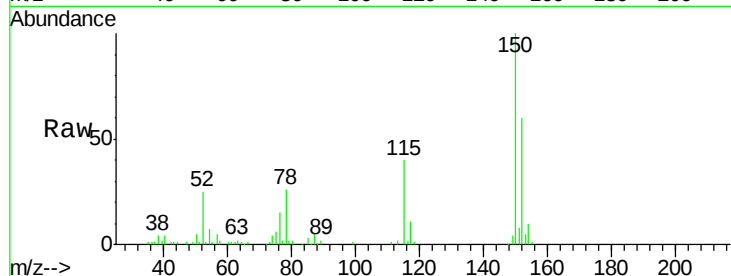
Tot Ion:152 Resp: 45560

Ion Ratio Lower Upper

152 100

150 165.4 123.7 185.5

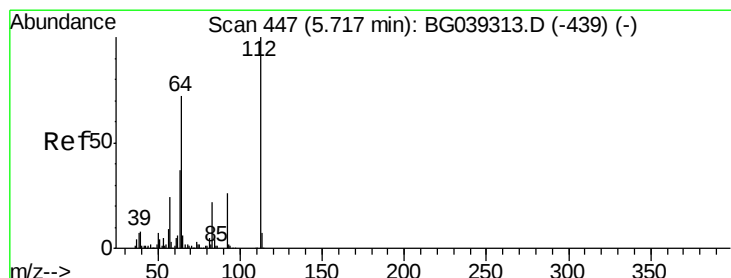
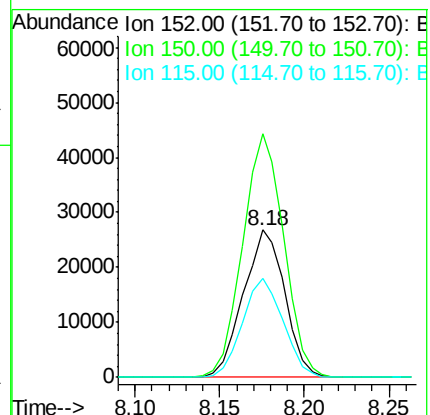
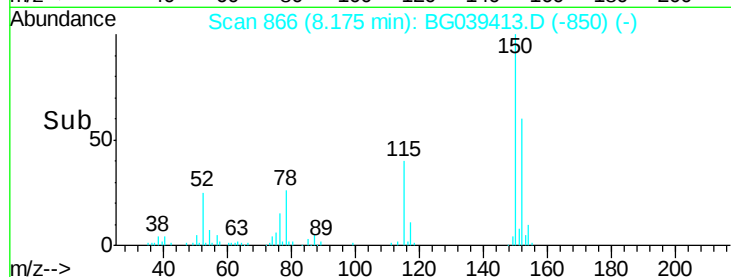
115 67.0 45.9 68.9



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: 160.89 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039413.D

Acq: 8 Feb 2019 12:01

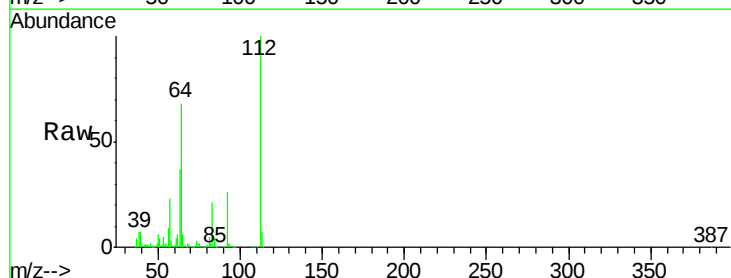
Tgt Ion:112 Resp: 428284

Ion Ratio Lower Upper

112 100

64 68.5 57.8 86.8

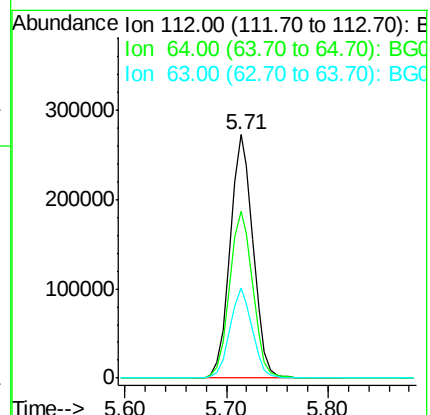
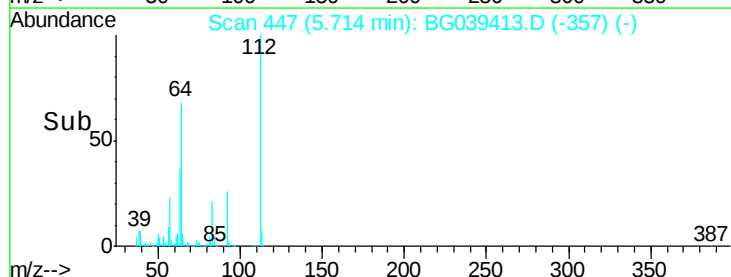
63 37.0 29.8 44.6

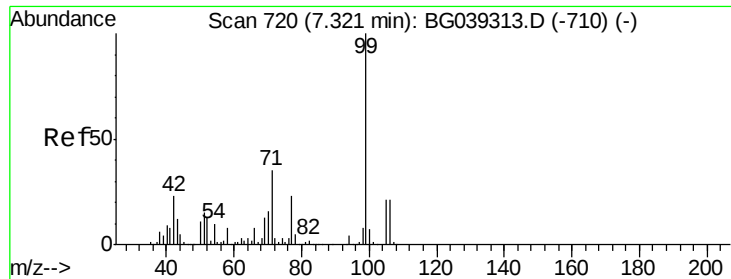


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 155.23 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039413.D

Acq: 8 Feb 2019 12:01

Instrument :

BNA_G

ClientSampleId :

PB116922TB

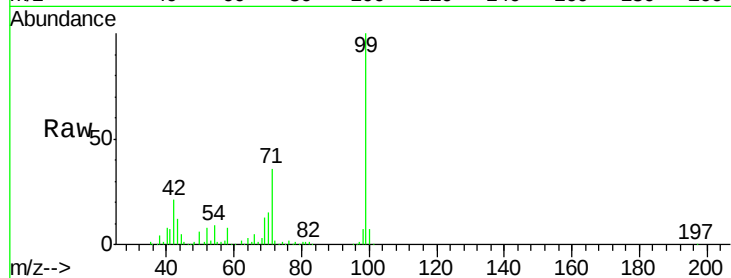
Tot Ion: 99 Resp: 608234

Ion Ratio Lower Upper

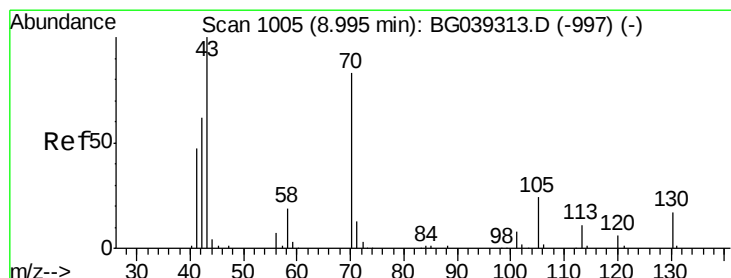
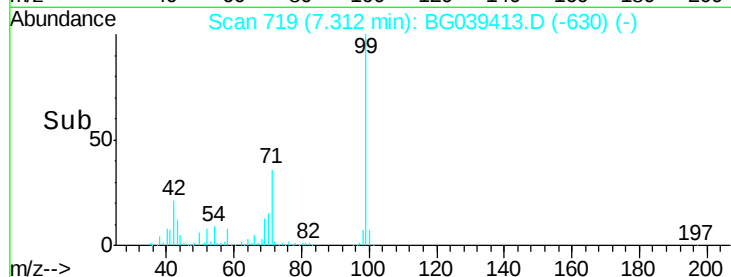
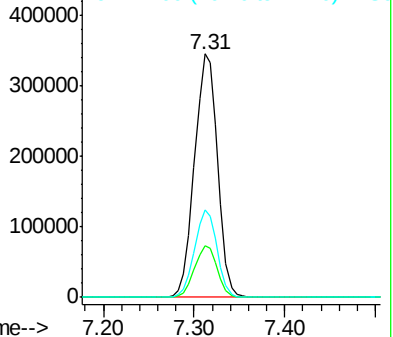
99 100

42 21.1 18.2 27.2

71 36.0 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: 15.86 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039413.D

Acq: 8 Feb 2019 12:01

Tgt Ion: 70 Resp: 44111

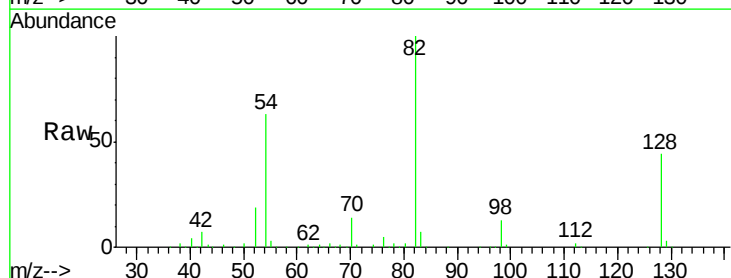
Ion Ratio Lower Upper

70 100

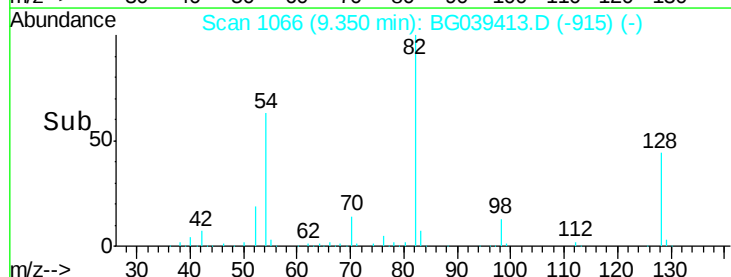
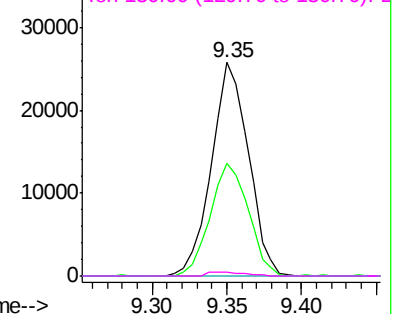
42 52.5 60.4 90.6#

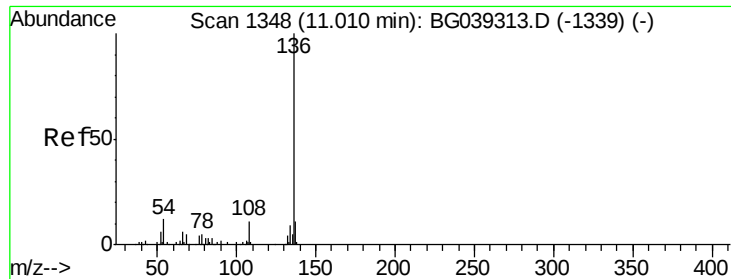
101 0.0 7.5 11.3#

130 2.0 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

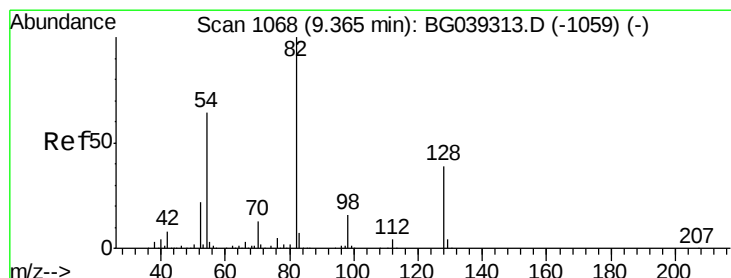
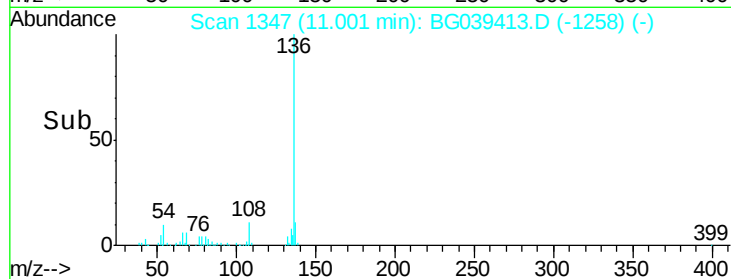
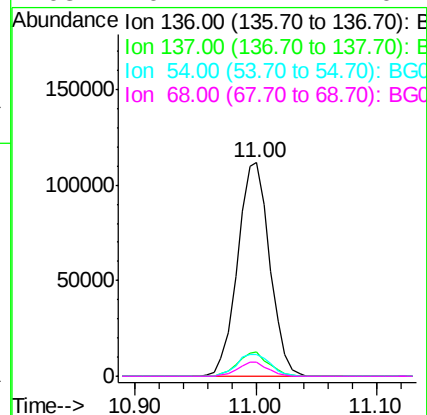
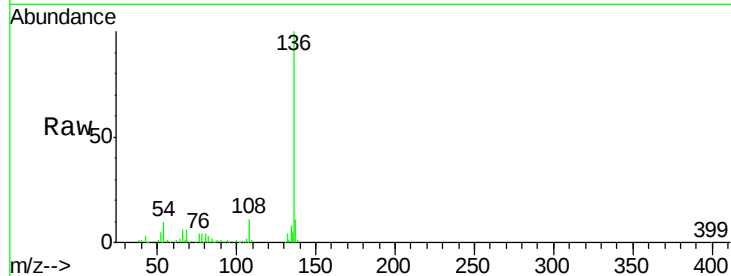




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039413.D
Acq: 8 Feb 2019 12:01

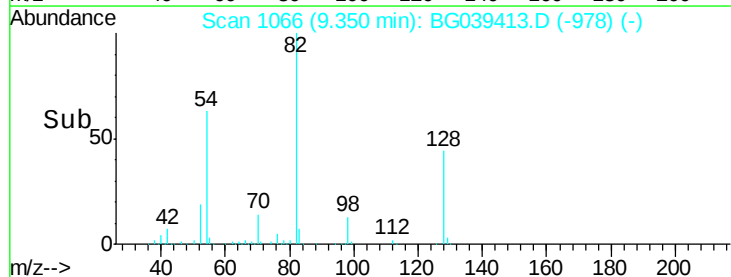
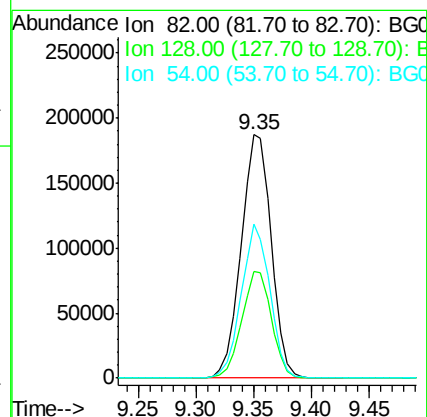
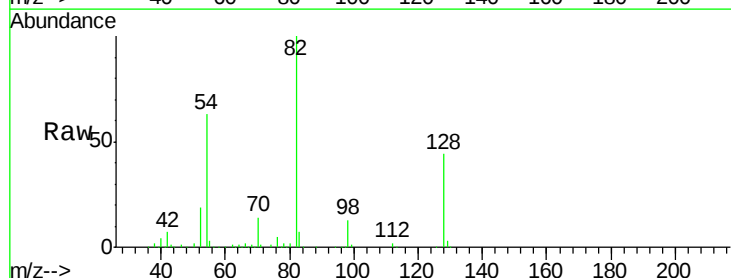
Instrument :
BNA_G
ClientSampleId :
PB116922TB

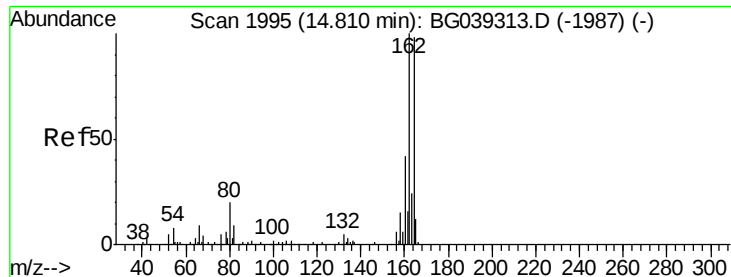
Tot Ion:136	Resp:	206493
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.1 13.7
54	10.4	9.4 14.2
68	6.4	4.2 6.4#



#23
Nitrobenzene-d5
Concen: 102.27 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039413.D
Acq: 8 Feb 2019 12:01

Tgt Ion: 82	Resp:	338039
Ion Ratio	Lower	Upper
82	100	
128	43.7	31.3 46.9
54	63.1	50.9 76.3





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BG039413.D

Acq: 8 Feb 2019 12:01

Instrument :

BNA_G

ClientSampleId :

PB116922TB

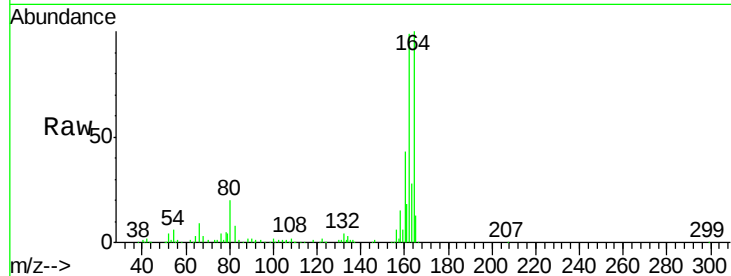
Tot Ion:164 Resp: 136455

Ion Ratio Lower Upper

164 100

162 98.9 81.6 122.4

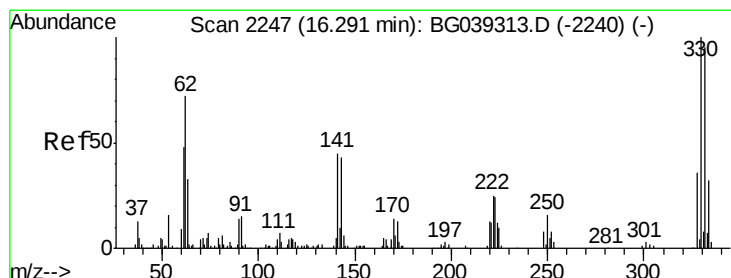
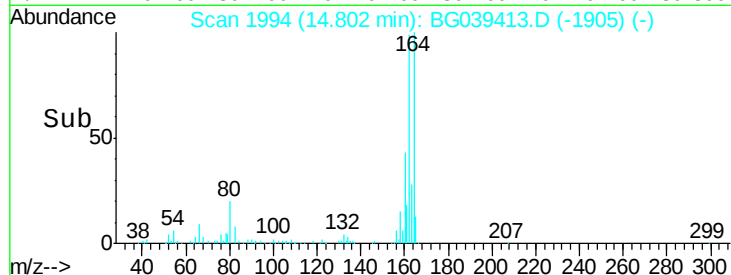
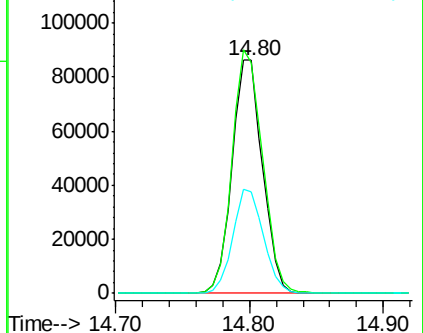
160 43.3 34.2 51.2



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: 77.80 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039413.D

Acq: 8 Feb 2019 12:01

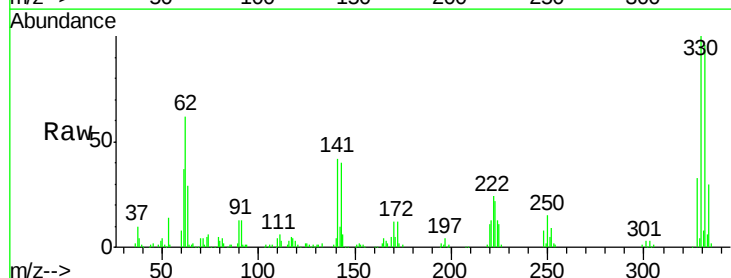
Tgt Ion:330 Resp: 114319

Ion Ratio Lower Upper

330 100

332 96.2 75.7 113.5

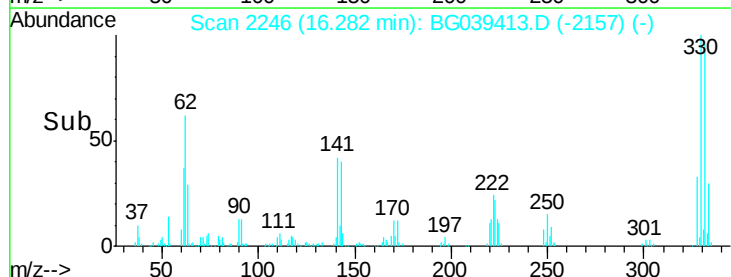
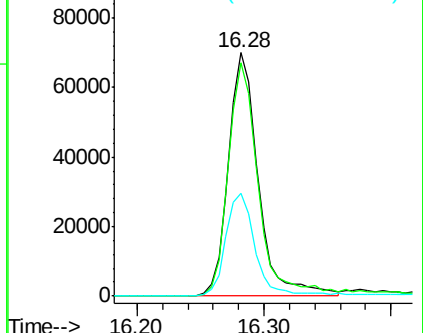
141 40.8 35.6 53.4

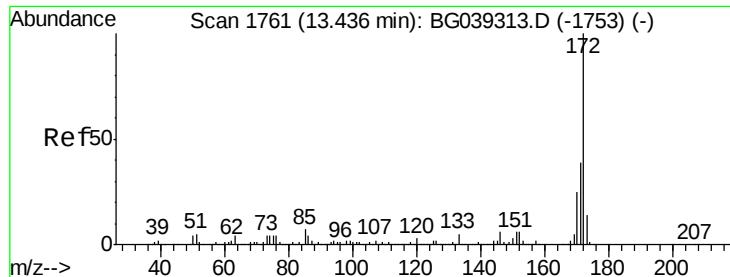


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

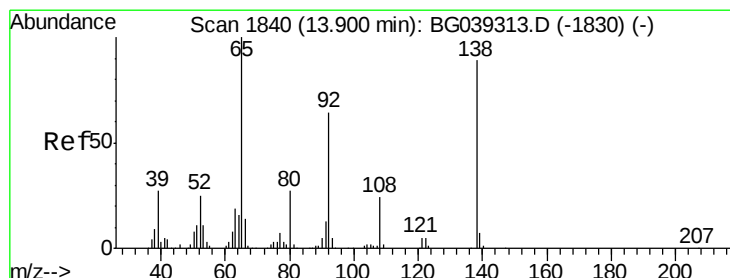
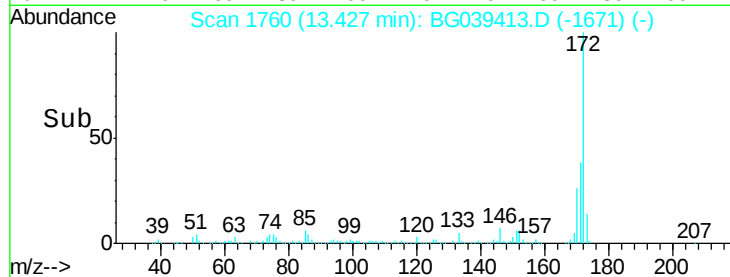
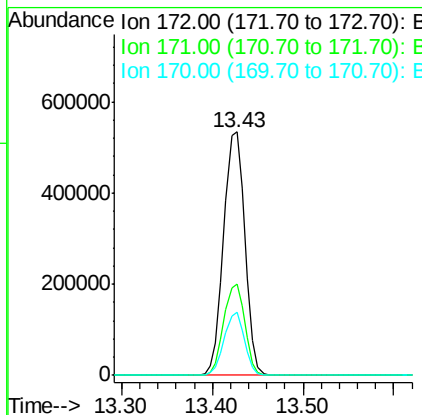
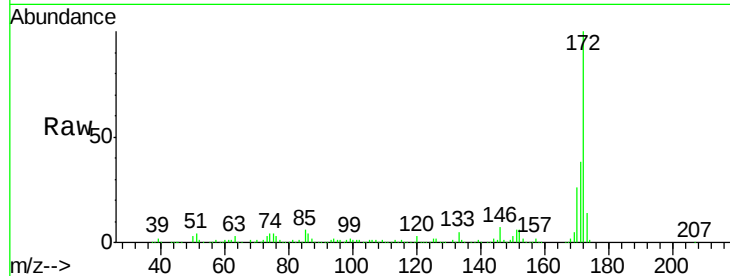




#45
 2-Fluorobiphenyl
 Concen: 91.49 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BG039413.D
 Acq: 8 Feb 2019 12:01

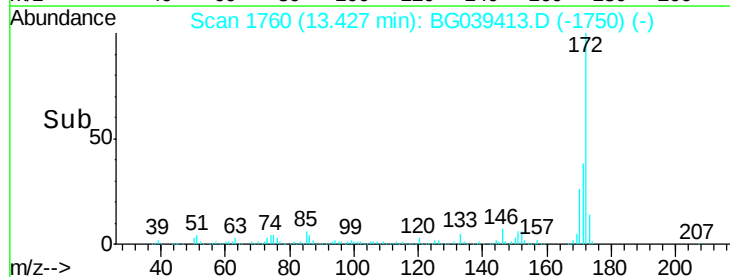
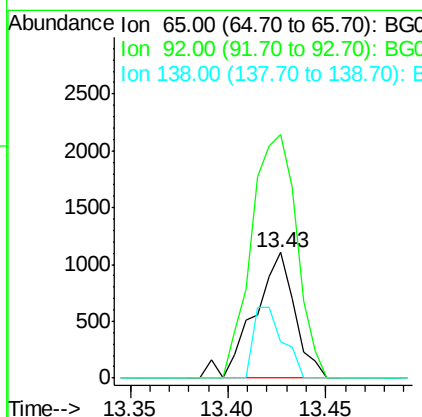
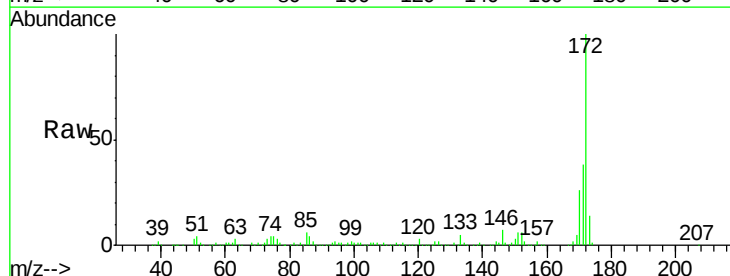
Instrument :
 BNA_G
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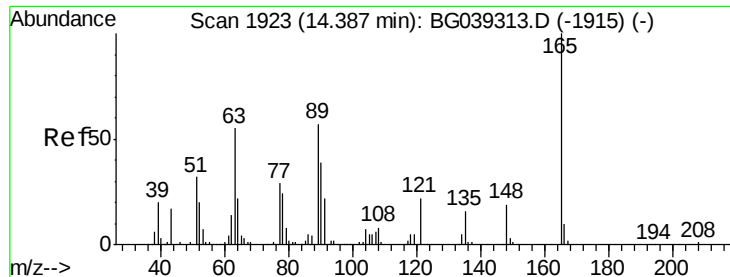
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.8	46.2
170	25.7	20.2	30.4



#48
 2-Nitroaniline
 Concen: 8.83 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.47 min
 Lab File: BG039413.D
 Acq: 8 Feb 2019 12:01

Tgt Ion	Ratio	Lower	Upper
65	100		
92	194.4	51.4	77.2#
138	28.8	71.4	107.2#





#51

2,6-Dinitrotoluene

Concen: 14.18 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039413.D

Acq: 8 Feb 2019 12:01

Instrument :

BNA_G

ClientSampleId :

PB116922TB

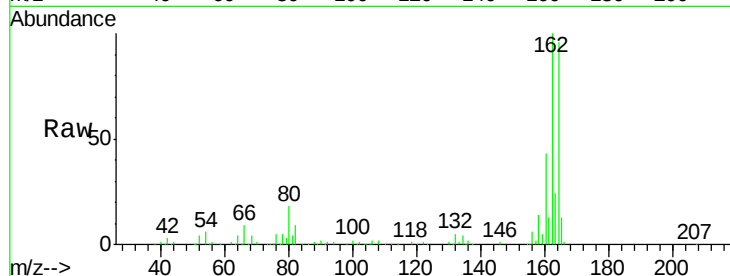
Tot Ion:165 Resp: 18177

Ion Ratio Lower Upper

165 100

63 2.2 47.0 70.6#

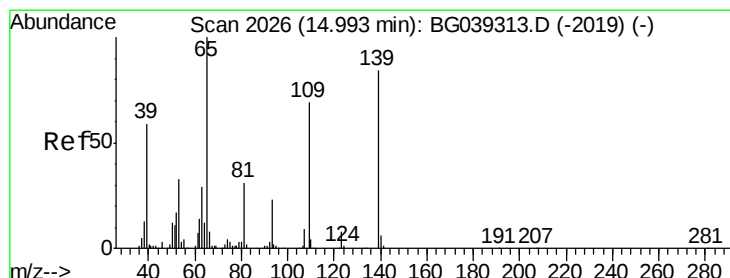
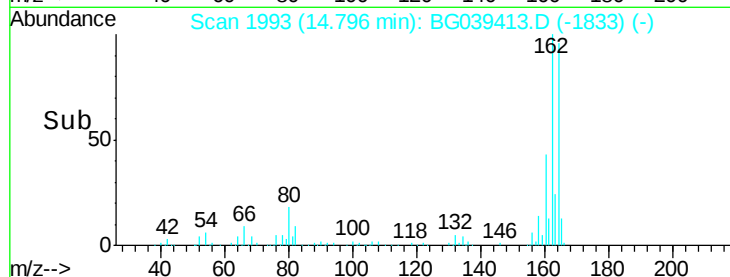
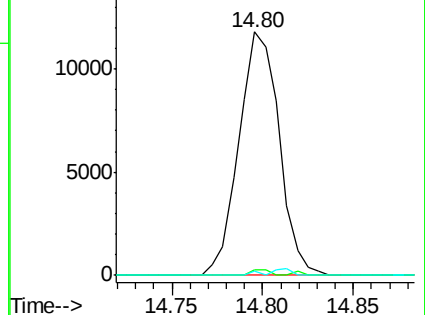
89 1.9 45.8 68.8#



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: 5.84 ng

RT: 14.87 min Scan# 2005

Delta R.T. -0.13 min

Lab File: BG039413.D

Acq: 8 Feb 2019 12:01

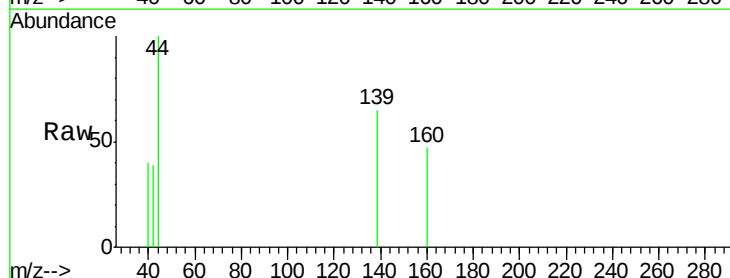
Tgt Ion:139 Resp: 92

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

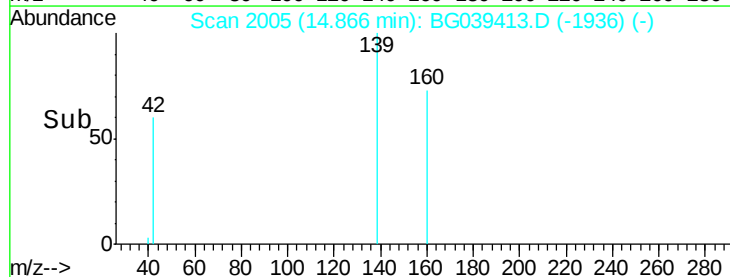
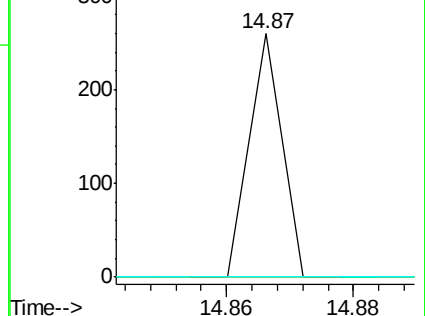
65 0.0 99.1 139.1#

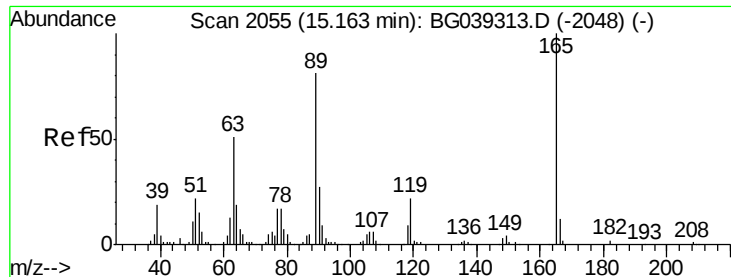


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

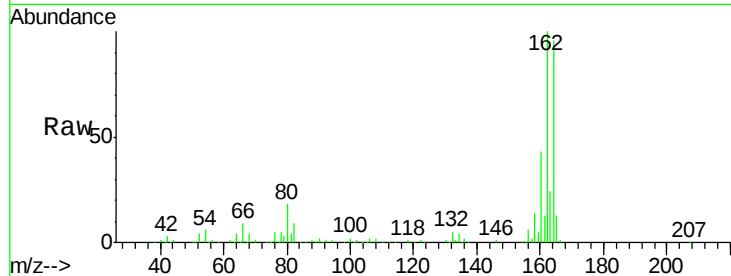




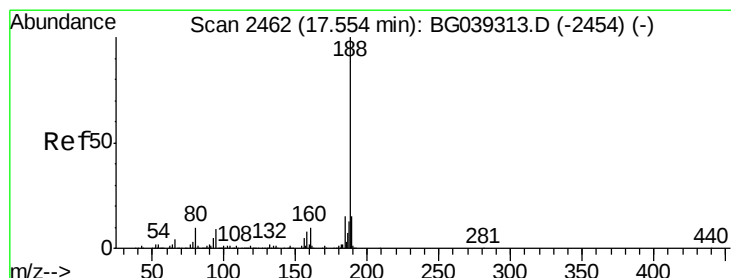
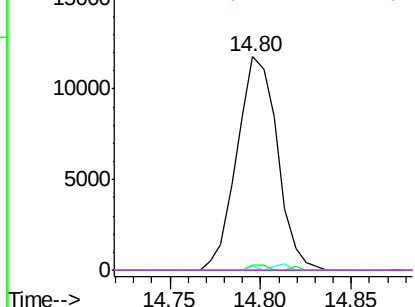
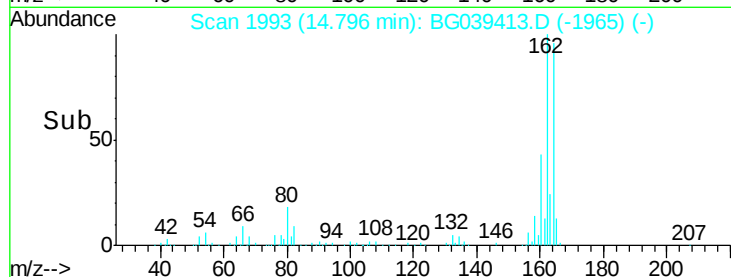
#57
2,4-Dinitrotoluene
Concen: 13.59 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.37 min
Lab File: BG039413.D
Acq: 8 Feb 2019 12:01

Instrument :
BNA_G
ClientSampleId :
PB116922TB

Tot Ion:165 Resp: 18177
Ion Ratio Lower Upper
165 100
63 2.2 41.0 61.6#
89 1.9 64.6 96.8#
182 0.0 2.0 3.0#

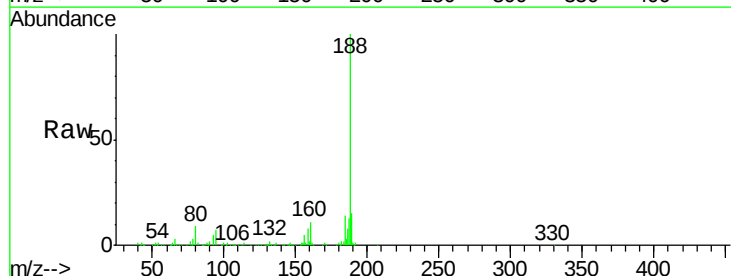


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

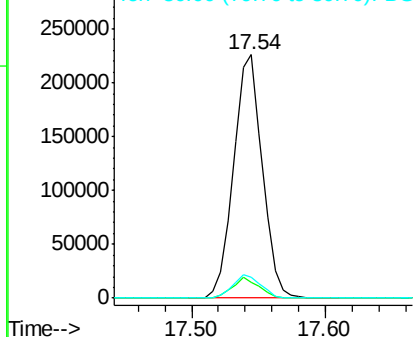
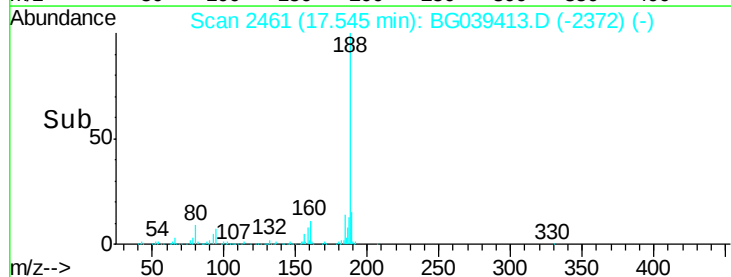


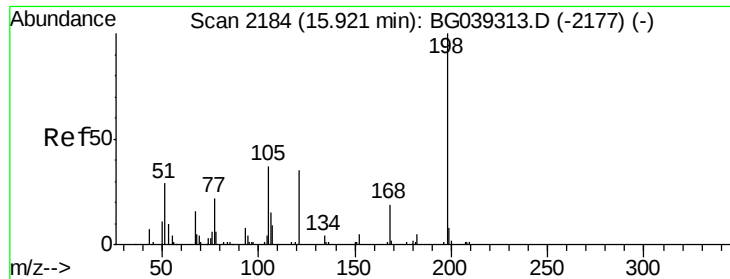
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.54 min Scan# 2461
Delta R.T. -0.01 min
Lab File: BG039413.D
Acq: 8 Feb 2019 12:01

Tgt Ion:188 Resp: 336429
Ion Ratio Lower Upper
188 100
94 6.7 6.9 10.3#
80 8.7 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

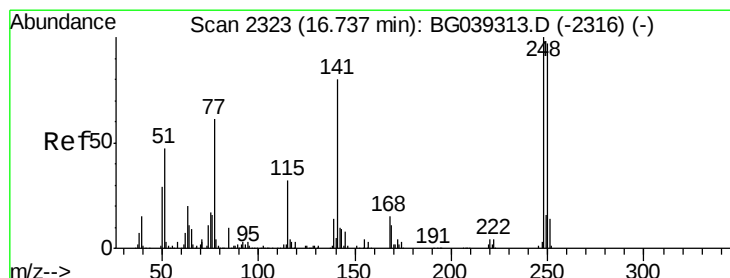
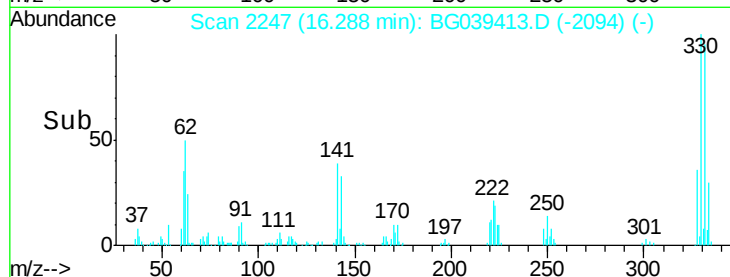
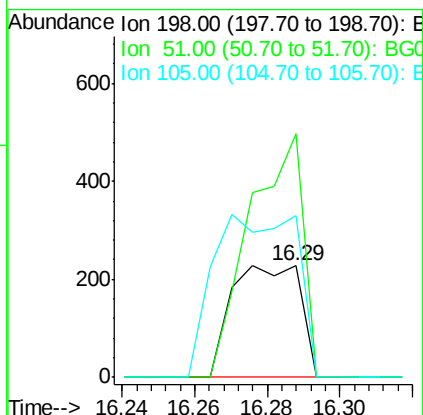
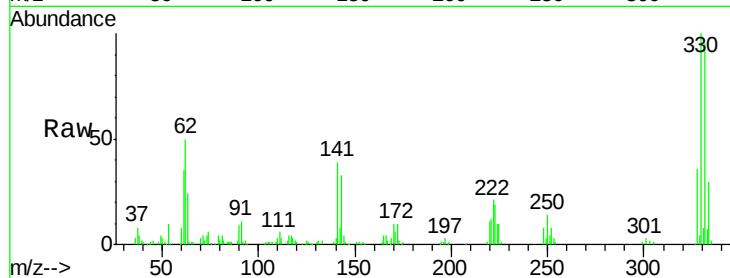




#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.46 ng
 RT: 16.29 min Scan# 2247
 Delta R.T. 0.37 min
 Lab File: BG039413.D
 Acq: 8 Feb 2019 12:01

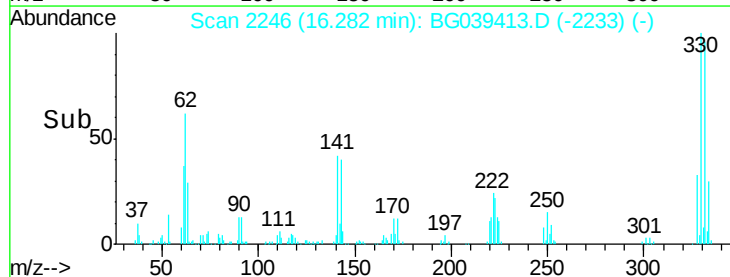
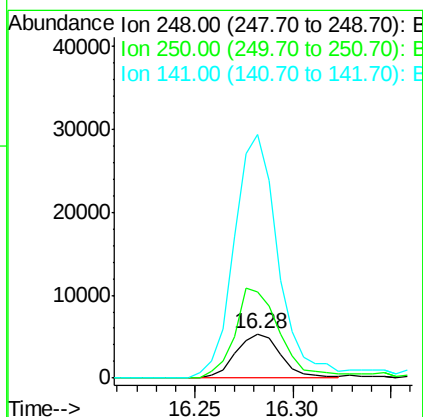
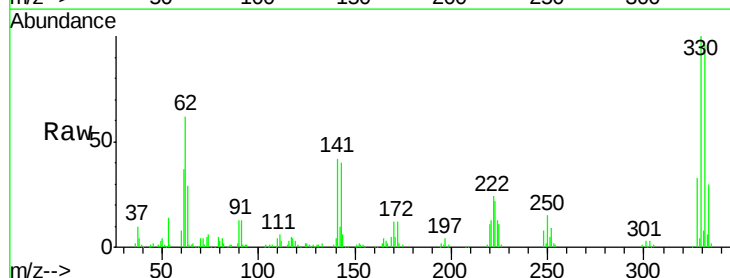
Instrument :
 BNA_G
 ClientSampleId :
 PB116922TB

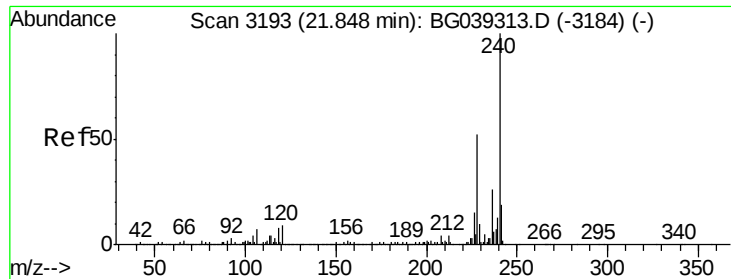
Tot Ion:198 Resp: 299
 Ion Ratio Lower Upper
 198 100
 51 218.0 27.4 67.4#
 105 145.2 19.7 59.7#



#67
 4-Bromophenyl-phenylether
 Concen: 2.30 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039413.D
 Acq: 8 Feb 2019 12:01

Tgt Ion:248 Resp: 8591
 Ion Ratio Lower Upper
 248 100
 250 195.1 77.6 116.4#
 141 553.2 63.9 95.9#





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.83 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BG039413.D

Acq: 8 Feb 2019 12:01

Instrument :

BNA_G

ClientSampleId :

PB116922TB

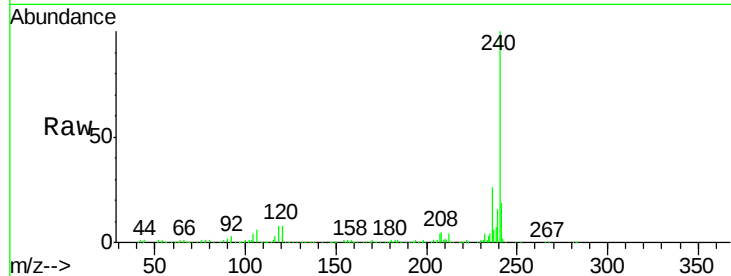
Tot Ion:240 Resp: 376342

Ion Ratio Lower Upper

240 100

120 8.5 7.0 10.6

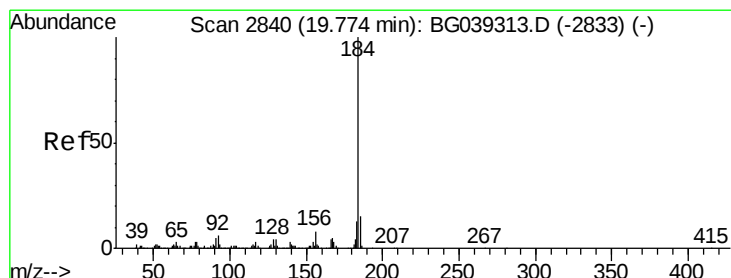
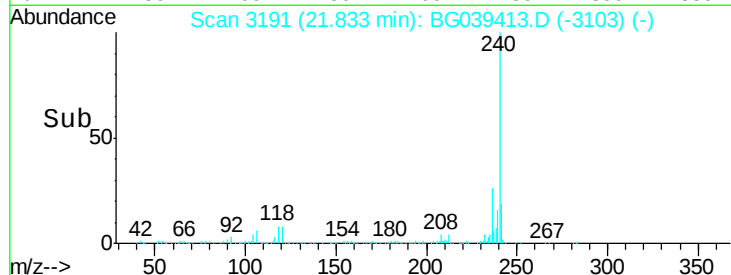
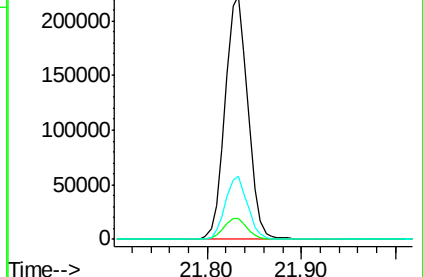
236 26.0 21.0 31.4



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: 2.09 ng

RT: 20.14 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039413.D

Acq: 8 Feb 2019 12:01

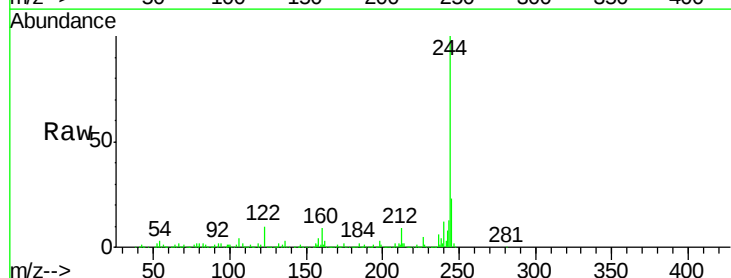
Tgt Ion:184 Resp: 25833

Ion Ratio Lower Upper

184 100

185 16.7 12.2 18.2

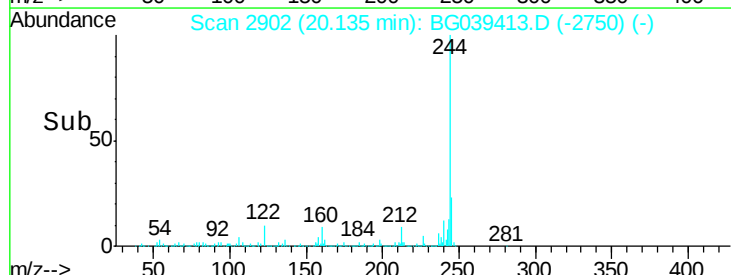
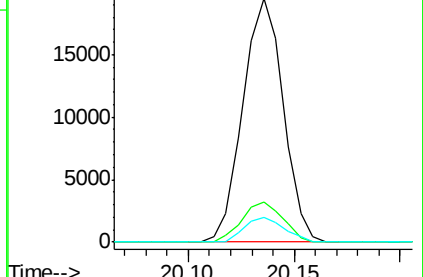
183 10.1 10.6 15.8#

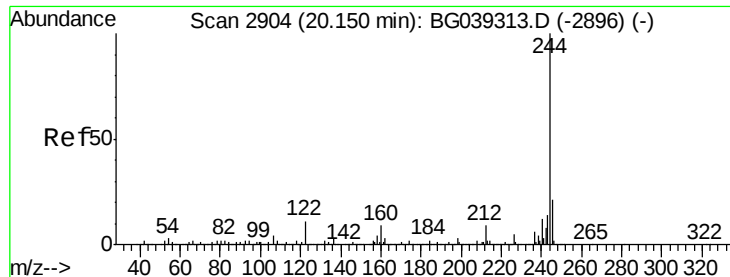


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 81.85 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039413.D

Acq: 8 Feb 2019 12:01

Instrument :

BNA_G

ClientSampleId :

PB116922TB

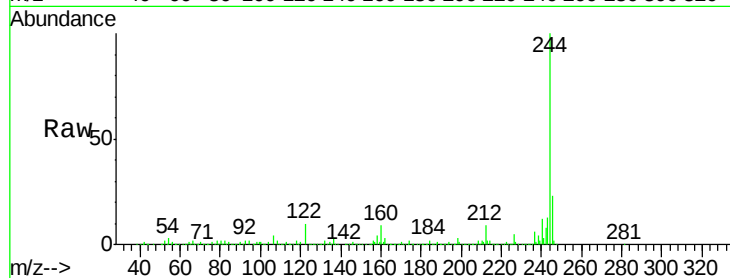
Tot Ion:244 Resp: 1455288

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

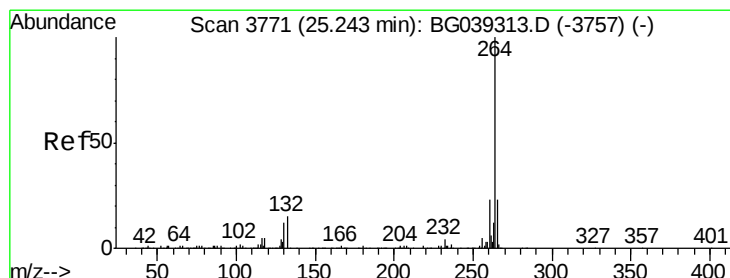
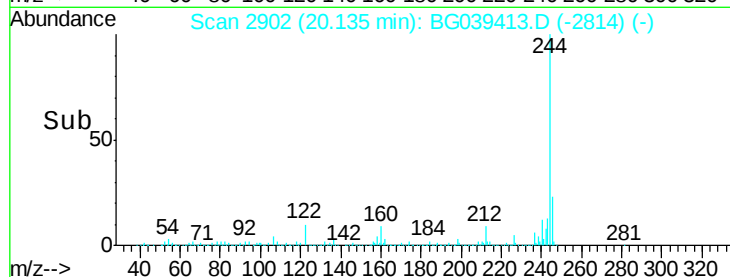
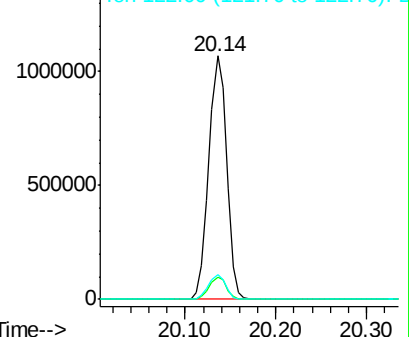
122 10.0 8.4 12.6



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: 20.00 ng

RT: 25.22 min Scan# 3767

Delta R.T. -0.03 min

Lab File: BG039413.D

Acq: 8 Feb 2019 12:01

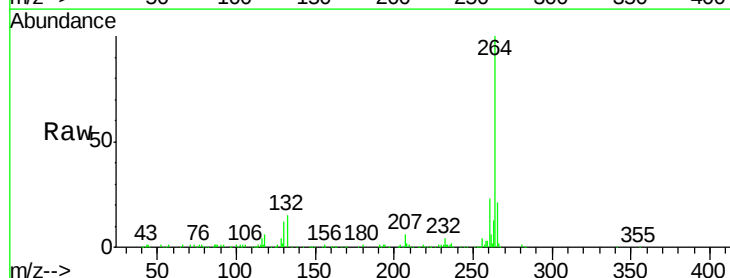
Tgt Ion:264 Resp: 364322

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.4

265 20.7 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

