

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031319\
 Data File : BG039914.D
 Acq On : 13 Mar 2019 22:42
 Operator : JU/SJ
 Sample : K1869-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 04:20:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

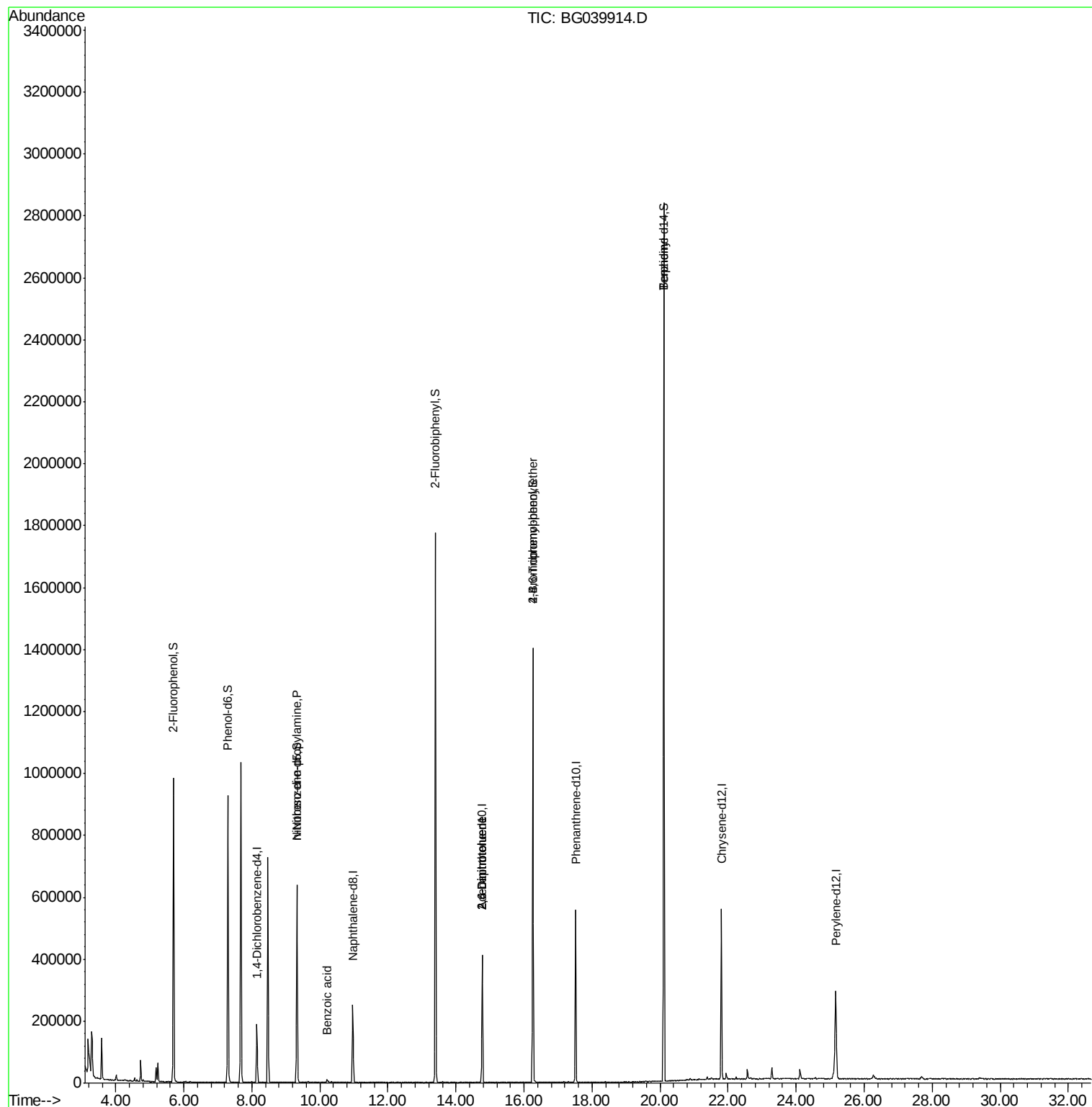
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	51851	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	213342	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	144666	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	350111	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	328162	20.00	ng	-0.03
87) Perylene-d12	25.16	264	322760	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	402157	132.32	ng	-0.02
7) Phenol-d6	7.30	99	528063	116.52	ng	-0.02
23) Nitrobenzene-d5	9.32	82	387640	98.27	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	244322	144.90	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	916407	90.19	ng	-0.02
79) Terphenyl-d14	20.11	244	1284520	86.18	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	49967	15.318	ng	# 68
32) Benzoic acid	10.22	122	4513	8.423	ng	# 88
51) 2,6-Dinitrotoluene	14.77	165	18989	7.405	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	18989	5.270	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	19365	4.941	ng	# 1
77) Benzidine	20.11	184	23351	2.242	ng	# 94

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

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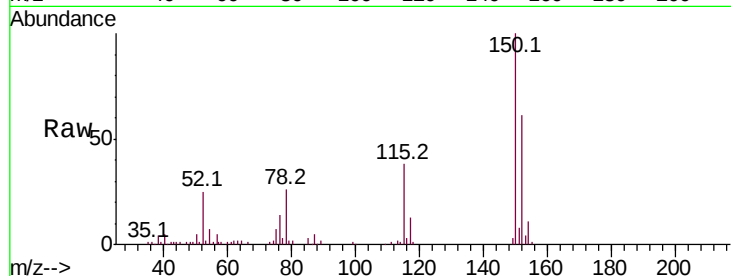


#1

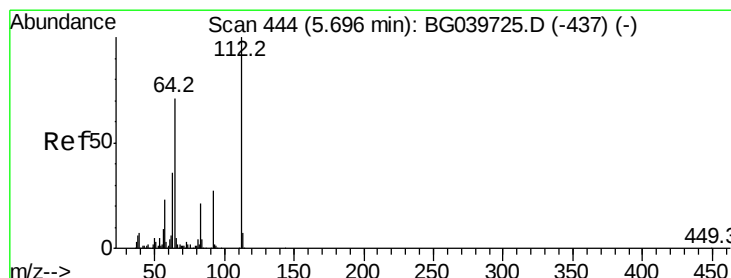
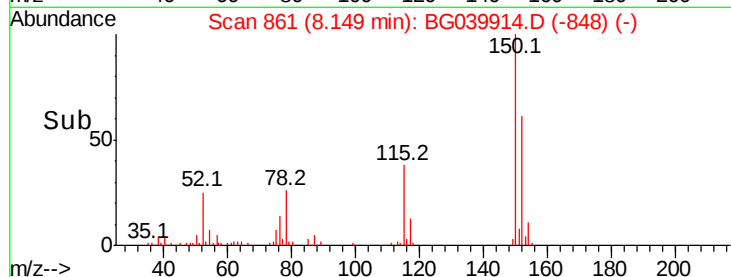
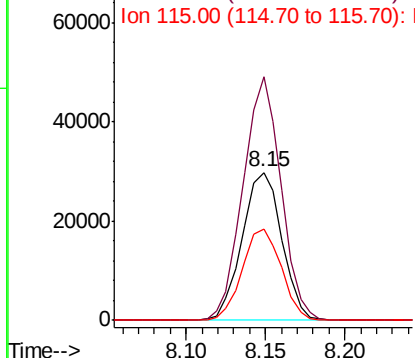
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039914.D
Acq: 13 Mar 2019 22:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.3	123.7	185.5
115	62.0	45.9	68.9



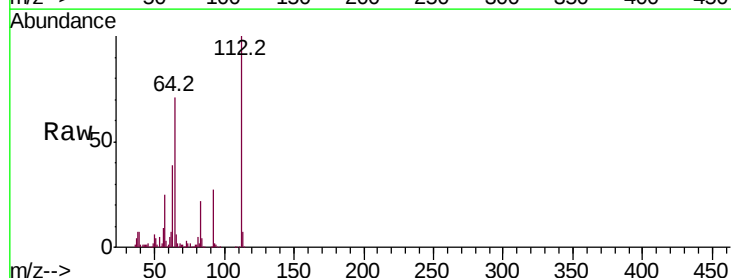
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



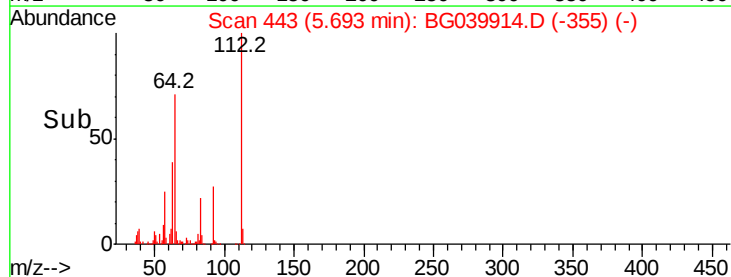
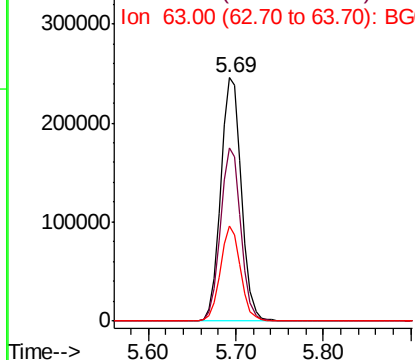
#5

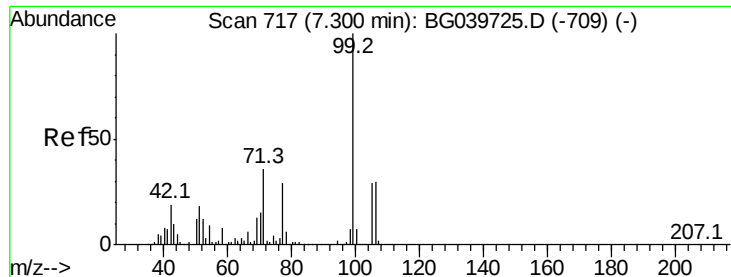
2-Fluorophenol
Concen: 132.318 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039914.D
Acq: 13 Mar 2019 22:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.1	57.8	86.8
63	38.9	29.8	44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 116.524 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039914.D

Acq: 13 Mar 2019 22:42

Instrument :

BNA_G

ClientSampleId :

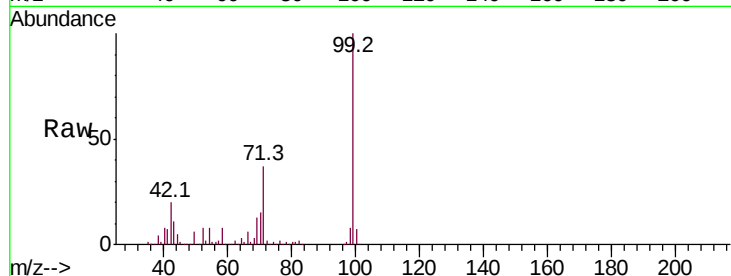
Tot Ion: 99 Resp: 528063

Ion Ratio Lower Upper

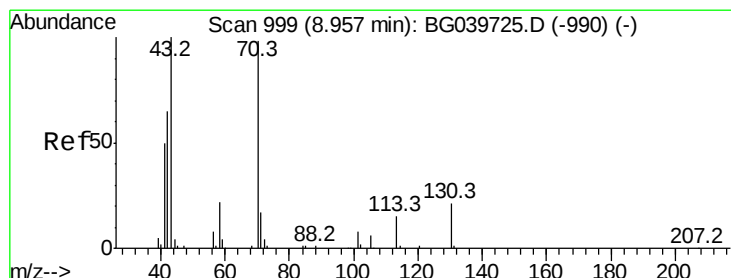
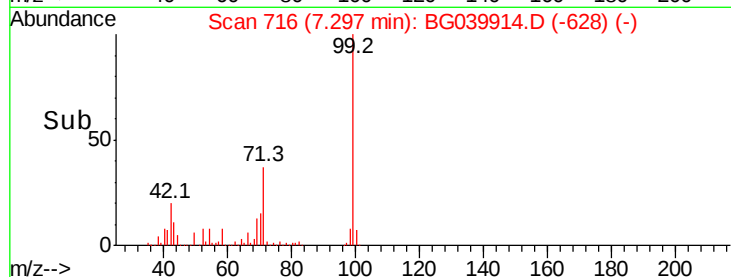
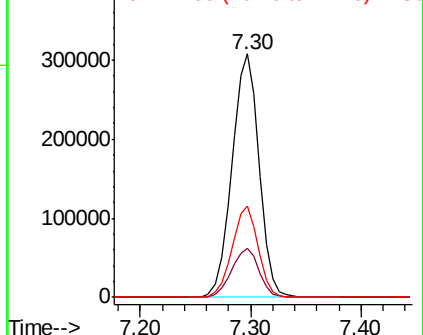
99 100

42 20.0 18.2 27.2

71 37.3 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: 15.318 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG039914.D

Acq: 13 Mar 2019 22:42

Tgt Ion: 70 Resp: 49967

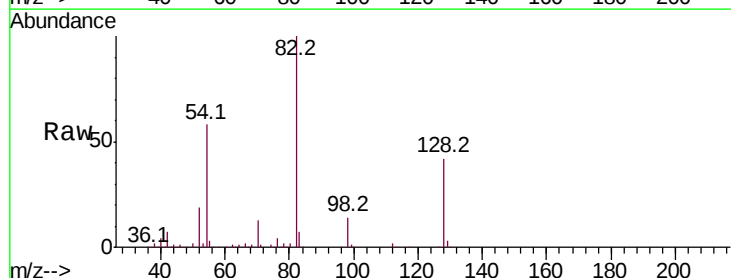
Ion Ratio Lower Upper

70 100

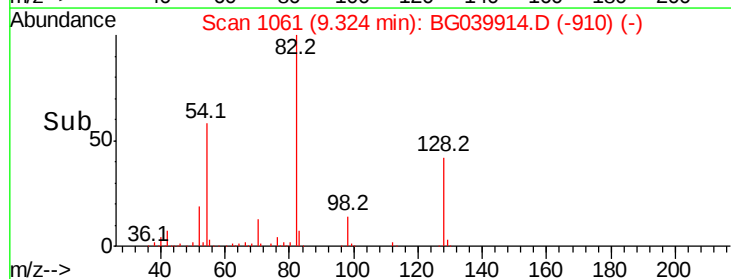
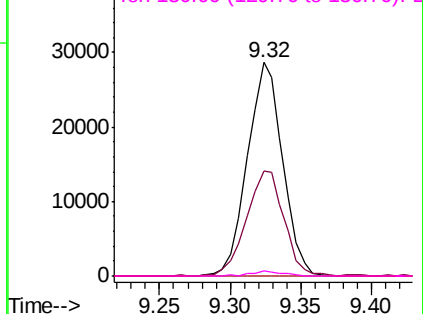
42 49.1 60.4 90.6#

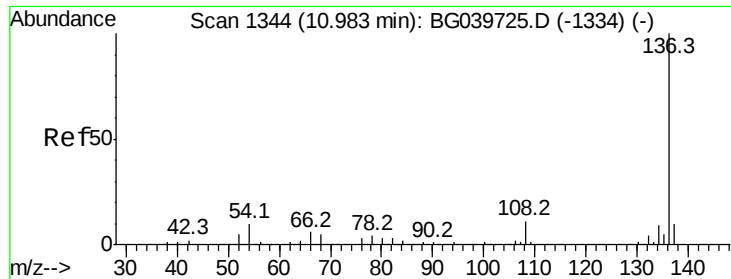
101 0.0 7.5 11.3#

130 2.4 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

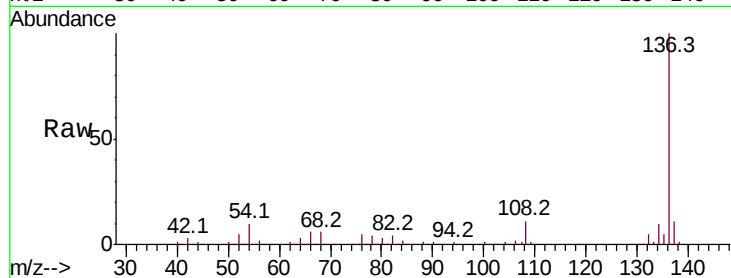




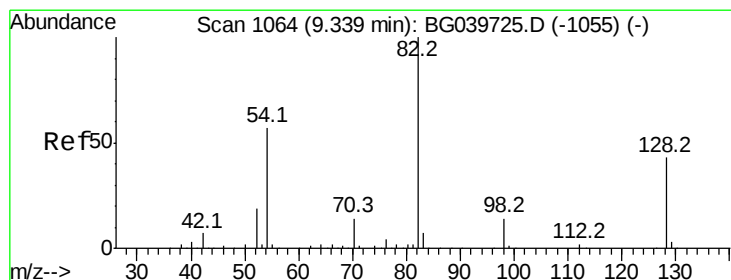
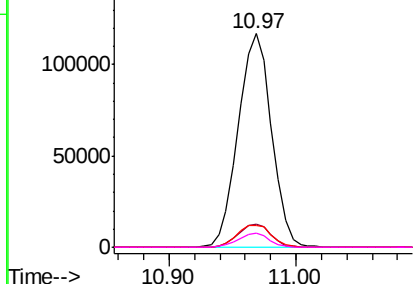
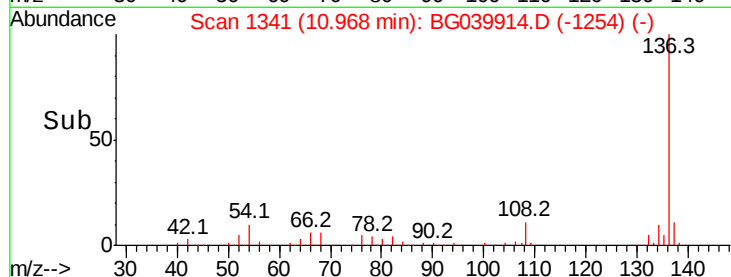
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039914.D
Acq: 13 Mar 2019 22:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	213342
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	10.2	9.4	14.2
68	6.5	4.2	6.4#

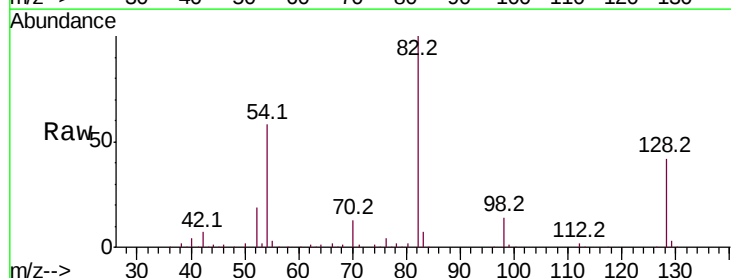


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

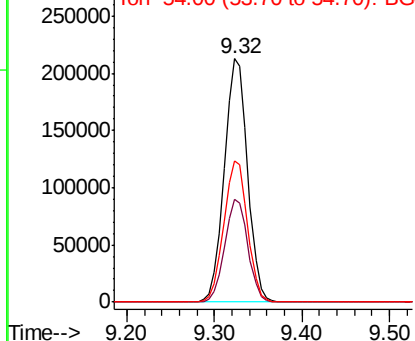
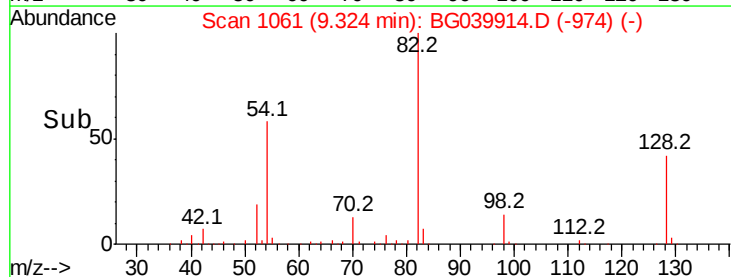


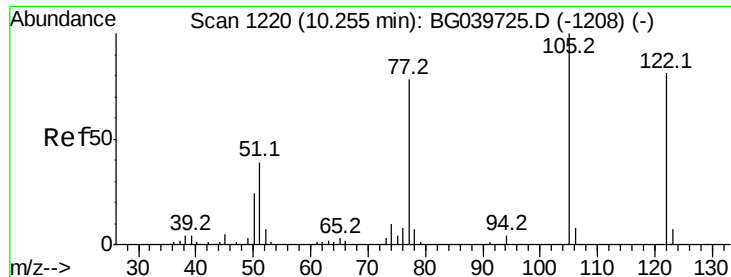
#23
Nitrobenzene-d5
Concen: 98.270 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG039914.D
Acq: 13 Mar 2019 22:42

Tgt Ion:	82	Resp:	387640
Ion	Ratio	Lower	Upper
82	100		
128	42.4	31.3	46.9
54	58.0	50.9	76.3



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





#32

Benzoic acid

Concen: 8.423 ng

RT: 10.22 min Scan# 1213

Delta R.T. -0.04 min

Lab File: BG039914.D

Acq: 13 Mar 2019 22:42

Instrument :

BNA_G

ClientSampled :

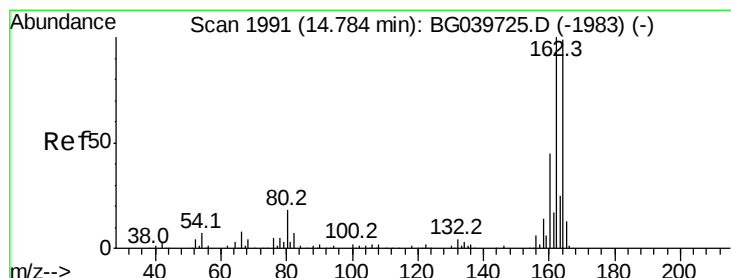
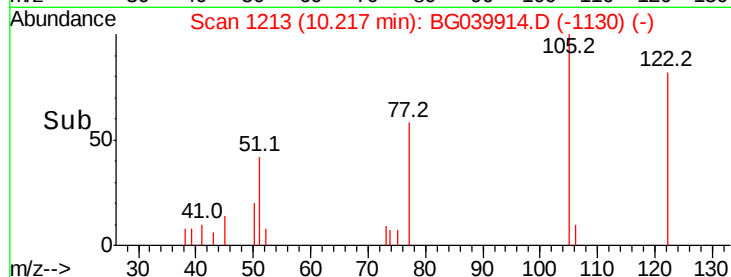
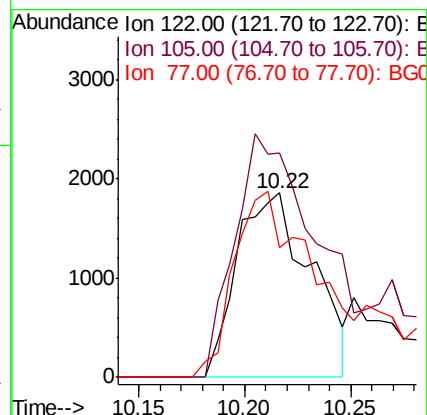
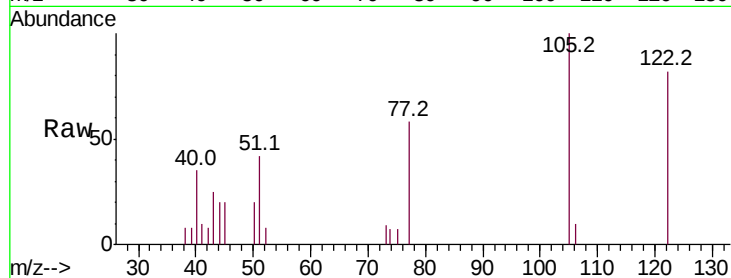
Tot Ion:122 Resp: 4513

Ion Ratio Lower Upper

122 100

105 121.7 101.8 141.8

77 70.1 76.3 116.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG039914.D

Acq: 13 Mar 2019 22:42

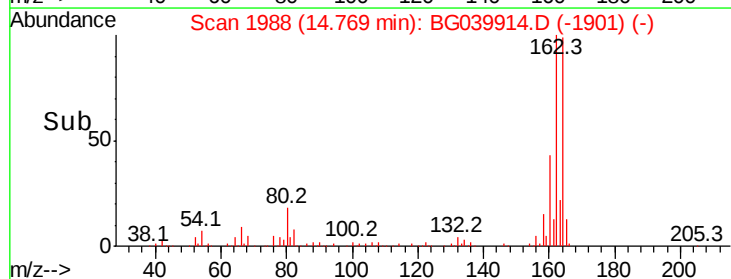
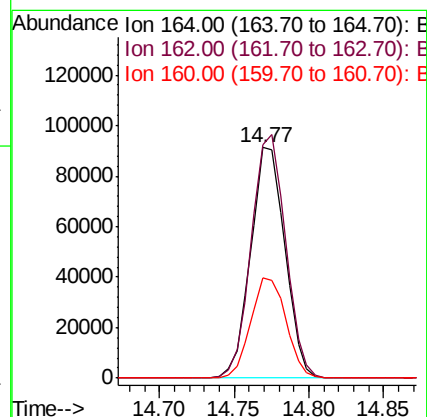
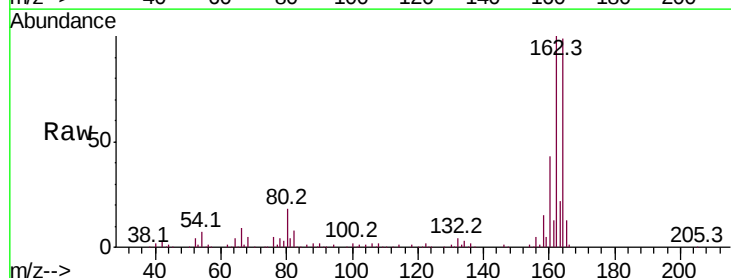
Tgt Ion:164 Resp: 144666

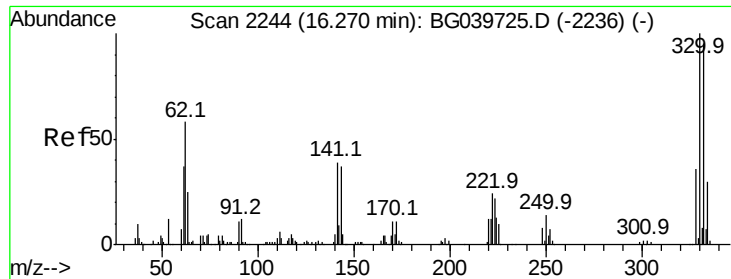
Ion Ratio Lower Upper

164 100

162 101.3 81.6 122.4

160 43.7 34.2 51.2

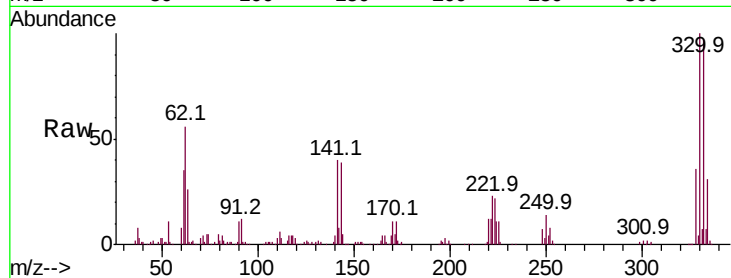




#42
 2,4,6-Tribromophenol
 Concen: 144.896 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039914.D
 Acq: 13 Mar 2019 22:42

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.7	113.5
141	41.6	35.6	53.4

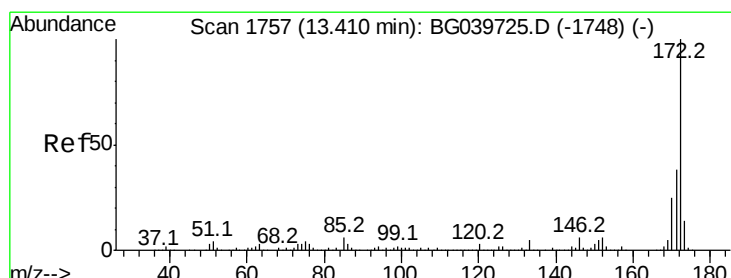
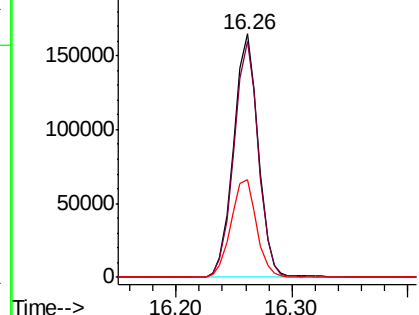
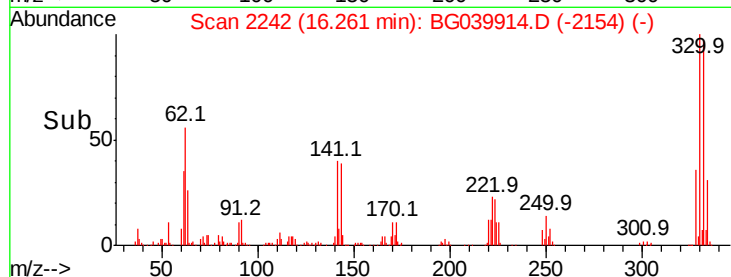


Abundance

Ion 329.80 (329.50 to 330.50): E

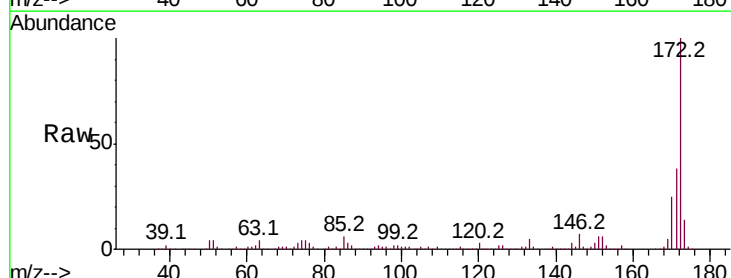
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.194 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG039914.D
 Acq: 13 Mar 2019 22:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.8	46.2
170	25.5	20.2	30.4

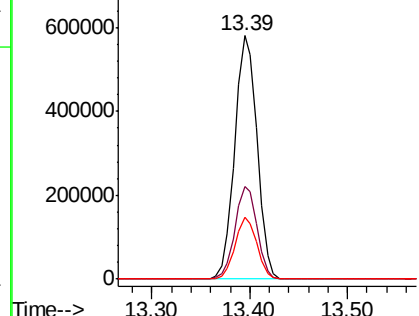
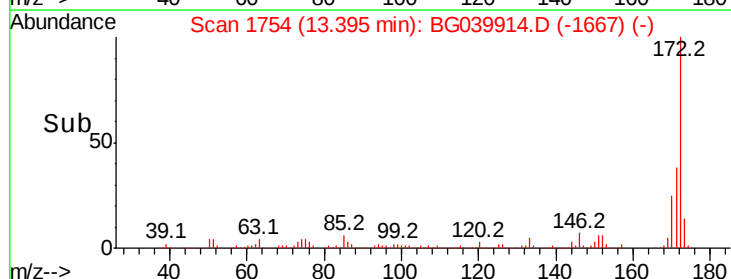


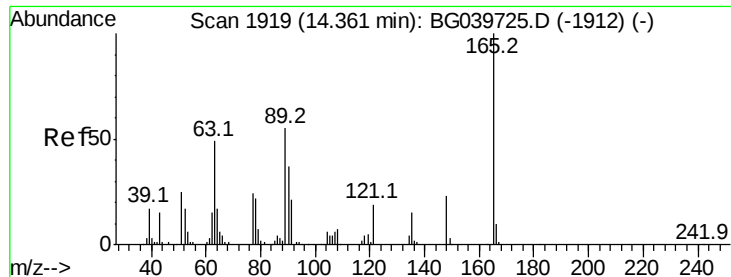
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 7.405 ng

RT: 14.77 min Scan# 1988

Delta R.T. 0.40 min

Lab File: BG039914.D

Acq: 13 Mar 2019 22:42

Instrument :

BNA_G

ClientSampleId :

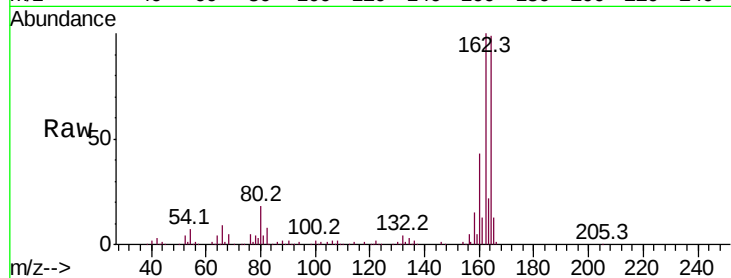
Tot Ion:165 Resp: 18989

Ion Ratio Lower Upper

165 100

63 1.5 47.0 70.6#

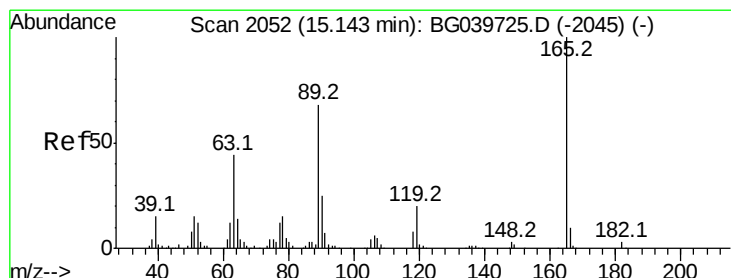
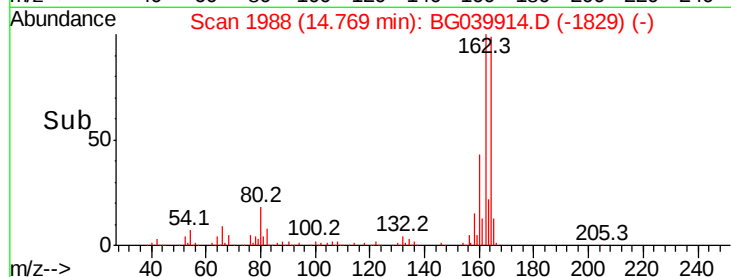
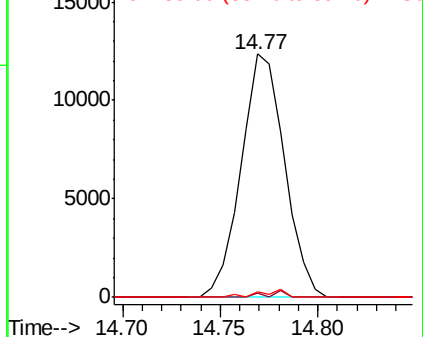
89 2.0 45.8 68.8#



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: 5.270 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG039914.D

Acq: 13 Mar 2019 22:42

Tgt Ion:165 Resp: 18989

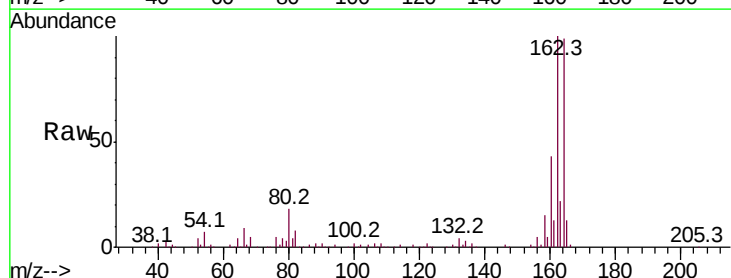
Ion Ratio Lower Upper

165 100

63 1.5 41.0 61.6#

89 2.0 64.6 96.8#

182 0.0 2.0 3.0#

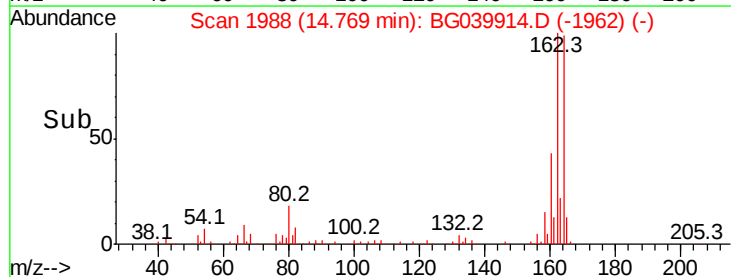
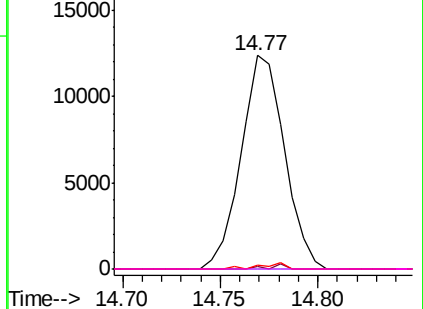


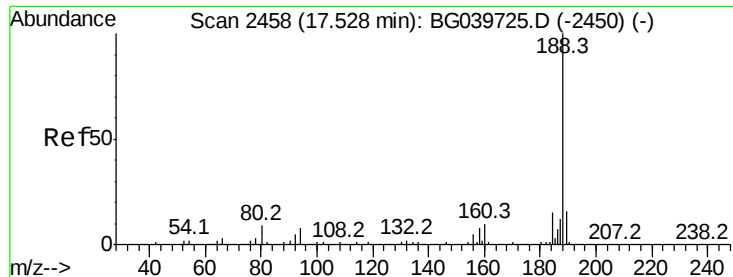
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG039914.D

Acq: 13 Mar 2019 22:42

Instrument :

BNA_G

ClientSampleId :

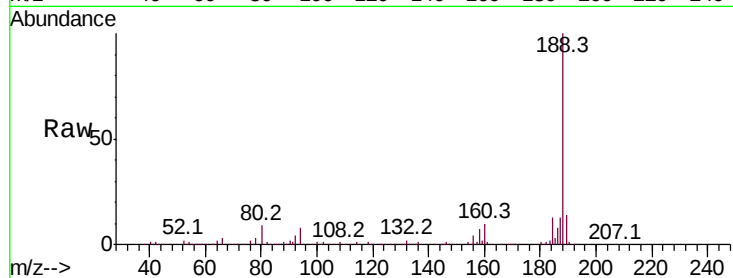
Tot Ion:188 Resp: 350111

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

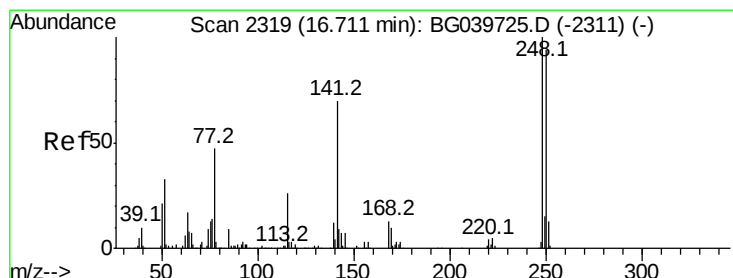
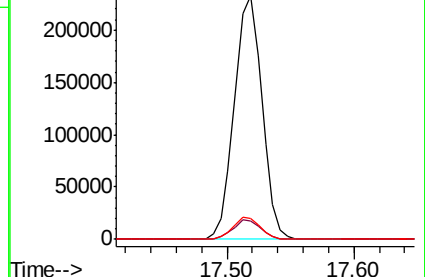
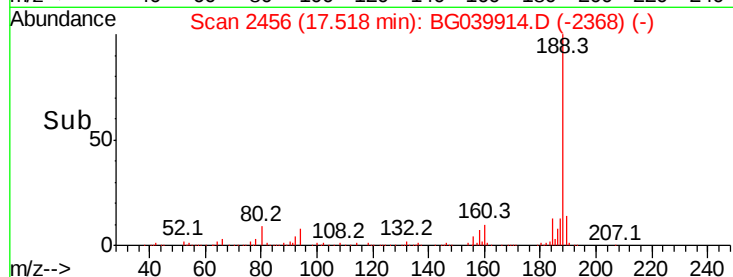
80 8.7 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.941 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG039914.D

Acq: 13 Mar 2019 22:42

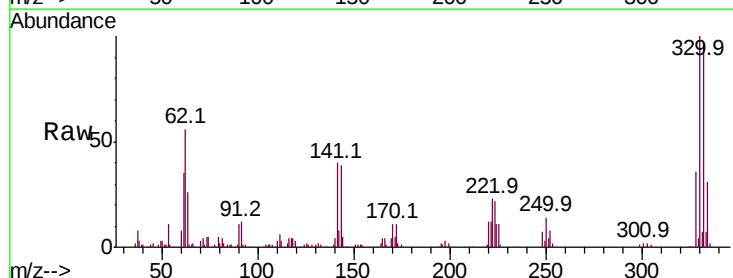
Tgt Ion:248 Resp: 19365

Ion Ratio Lower Upper

248 100

250 194.5 77.6 116.4#

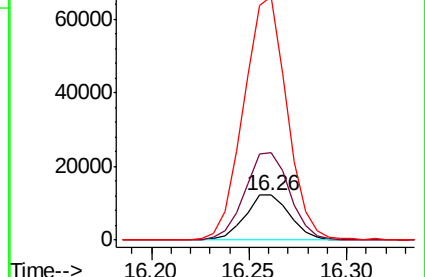
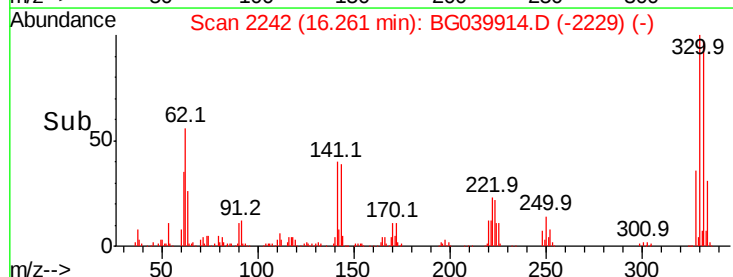
141 539.0 63.9 95.9#

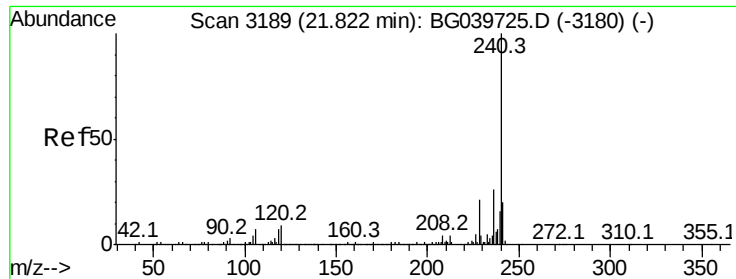


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

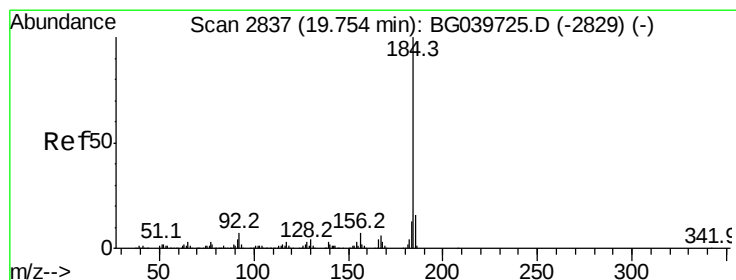
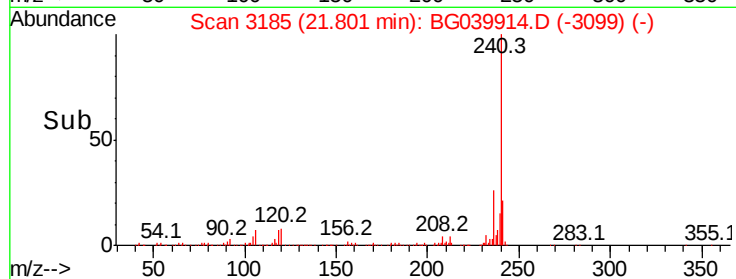
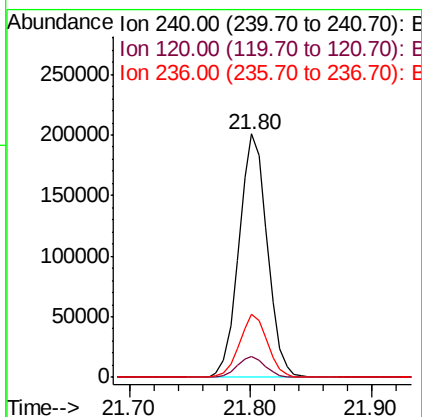
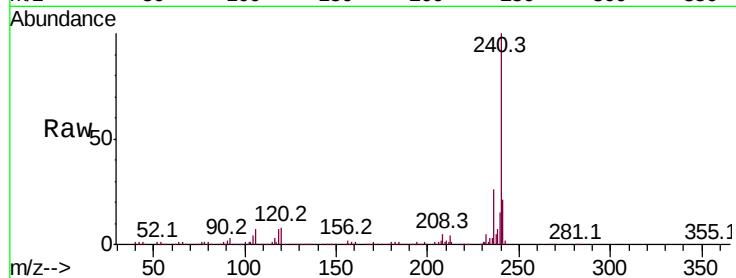




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG039914.D
Acq: 13 Mar 2019 22:42

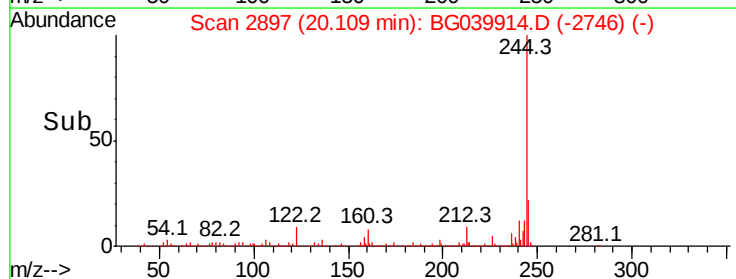
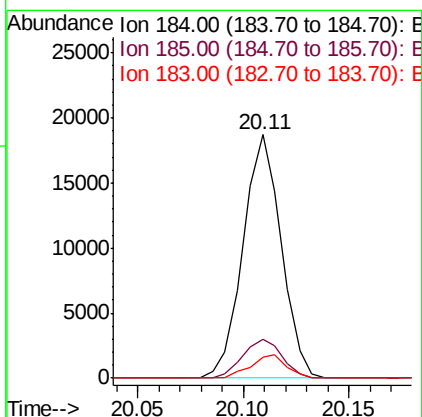
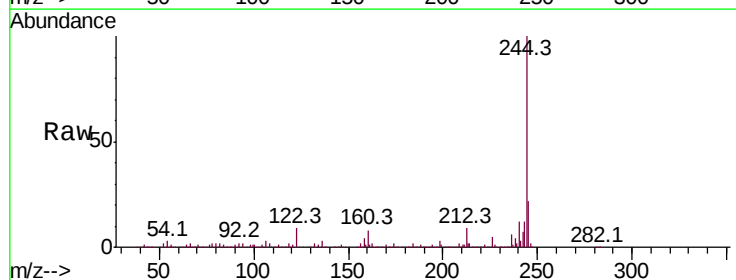
Instrument :
BNA_G
ClientSampleId :

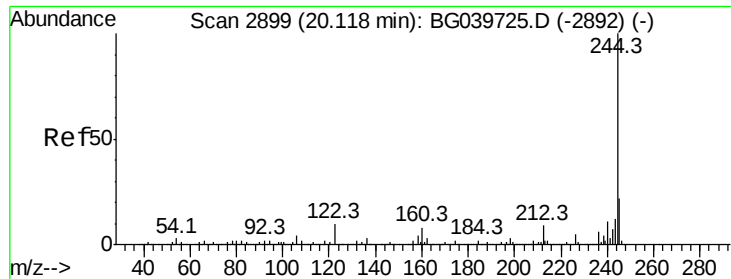
Tot Ion:240 Resp: 328162
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.242 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG039914.D
Acq: 13 Mar 2019 22:42

Tgt Ion:184 Resp: 23351
Ion Ratio Lower Upper
184 100
185 15.8 12.2 18.2
183 8.4 10.6 15.8#





#79

Terphenyl-d14

Concen: 86.185 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG039914.D

Acq: 13 Mar 2019 22:42

Instrument :

BNA_G

ClientSampleId :

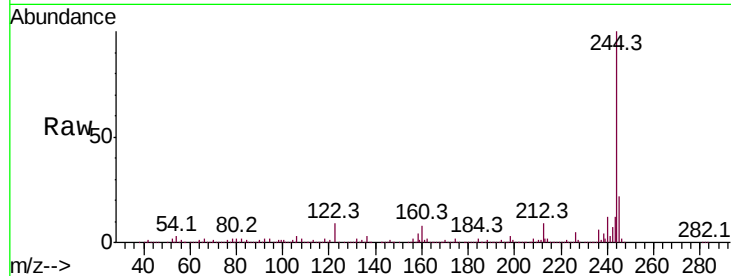
Tot Ion:244 Resp: 1284520

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

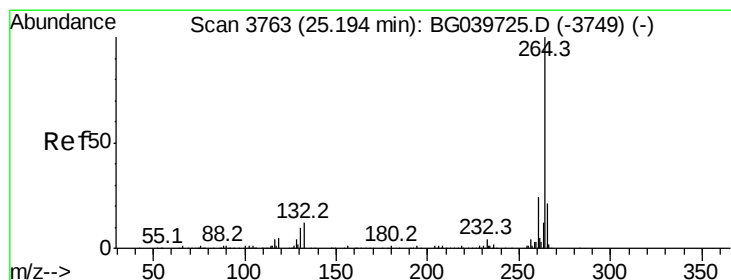
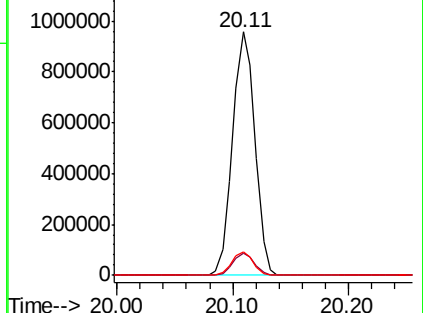
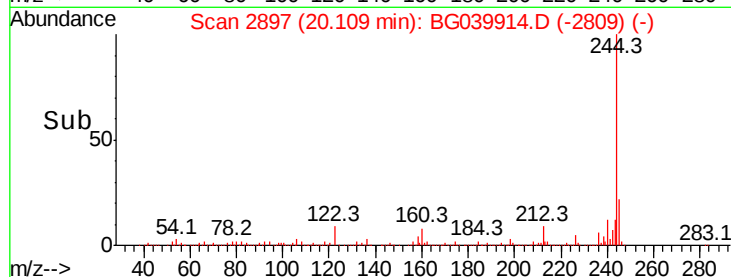
122 9.4 8.4 12.6



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: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG039914.D

Acq: 13 Mar 2019 22:42

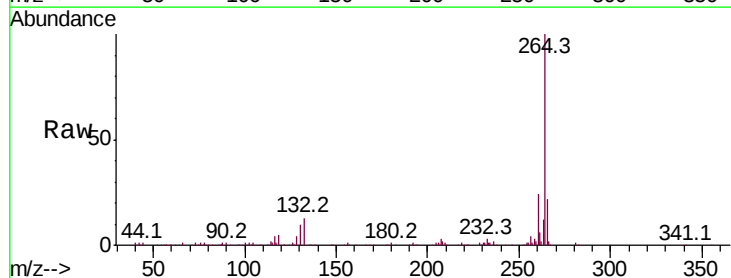
Tgt Ion:264 Resp: 322760

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

265 21.8 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

