

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010819\
 Data File : BG039010.D
 Acq On : 9 Jan 2019 1:45
 Operator : JU/SJ
 Sample : K1072-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 09 03:04:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

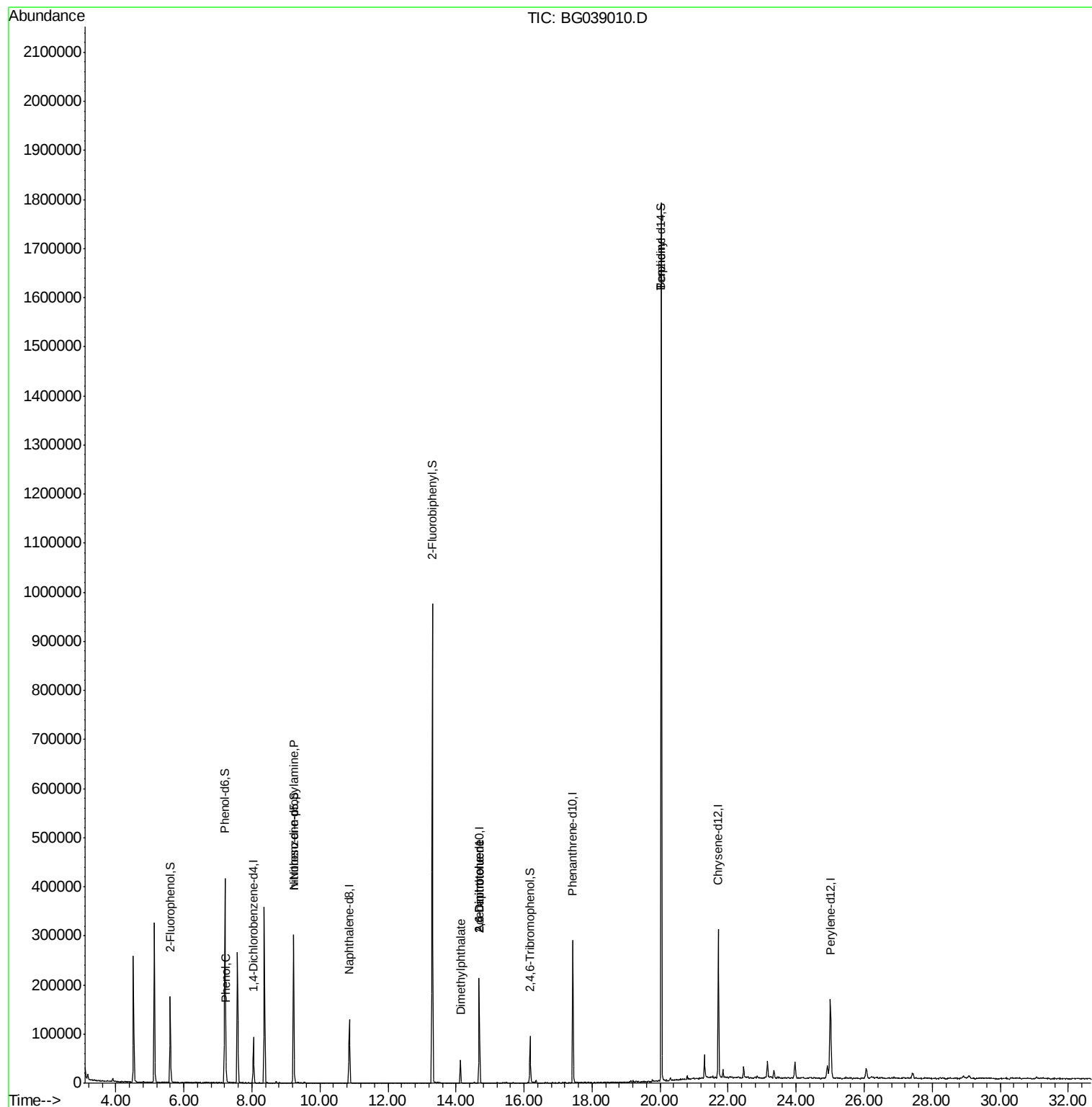
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	29062	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	116005	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	82602	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	195946	20.00	ng	-0.01
76) Chrysene-d12	21.72	240	197280	20.00	ng	-0.01
87) Perylene-d12	25.01	264	206990	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	80972	49.42	ng	0.00
7) Phenol-d6	7.21	99	252930	112.44	ng	0.00
23) Nitrobenzene-d5	9.22	82	181864	80.09	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	24338	21.38	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	542777	90.14	ng	-0.02
79) Terphenyl-d14	20.03	244	910216	100.41	ng	-0.01
Target Compounds						
10) Phenol	7.24	94	14985	6.271	ng	97
19) n-Nitroso-di-n-propylamine	9.22	70	24585	15.562	ng	# 67
50) Dimethylphthalate	14.13	163	36939	5.476	ng	97
51) 2,6-Dinitrotoluene	14.69	165	10759	7.038	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	10759	4.997	ng	# 21
77) Benzidine	20.03	184	14676	2.515	ng	94

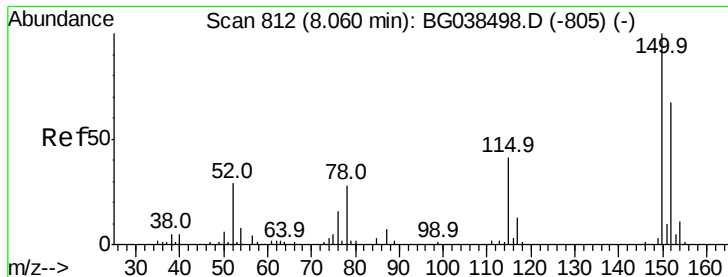
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 16 Sample Multiplier: 1

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QLast Update : Wed Dec 12 15:26:27 2018
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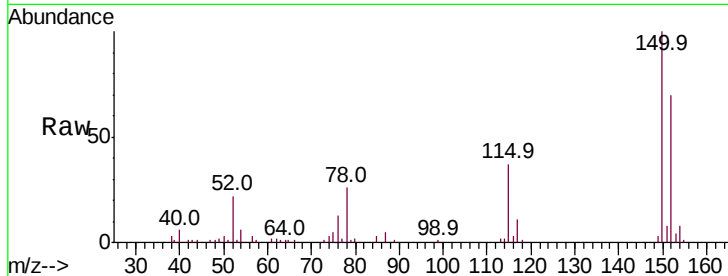


#1

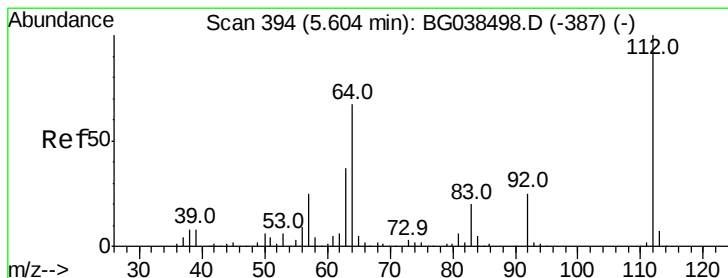
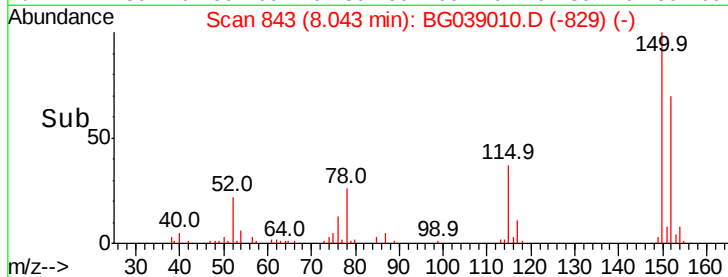
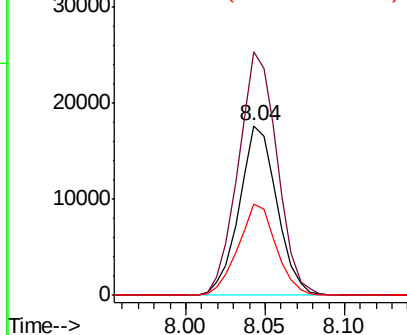
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG039010.D
Acq: 9 Jan 2019 1:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 29062
Ion Ratio Lower Upper
152 100
150 143.6 119.5 179.3
115 53.6 49.6 74.4



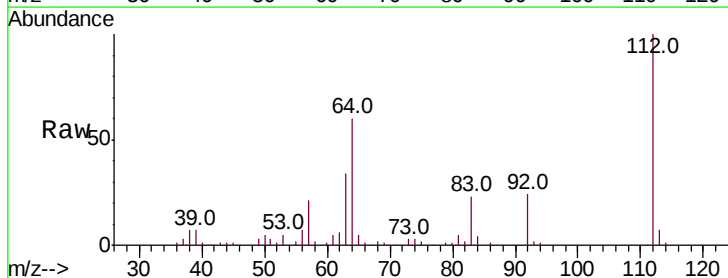
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



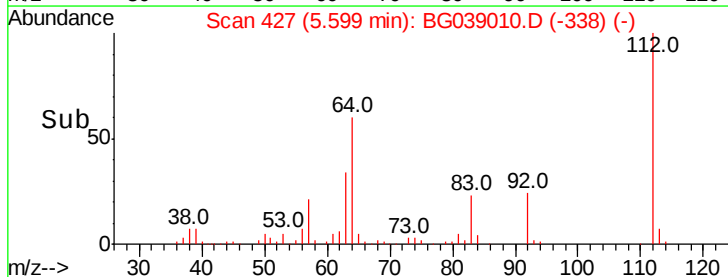
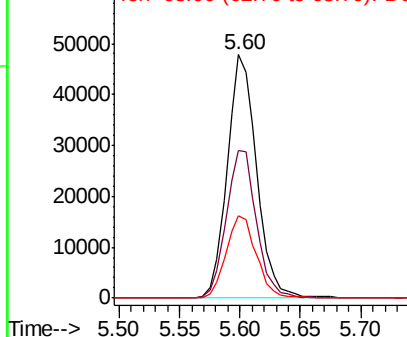
#5

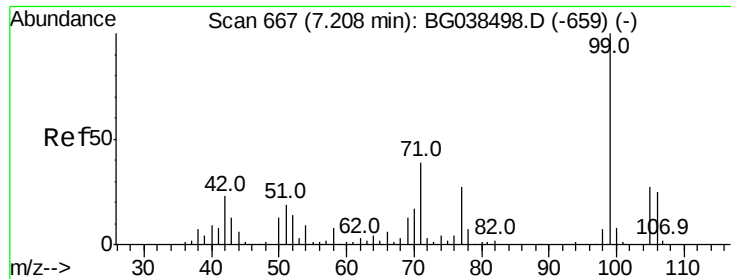
2-Fluorophenol
Concen: 49.417 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG039010.D
Acq: 9 Jan 2019 1:45

Tgt Ion:112 Resp: 80972
Ion Ratio Lower Upper
112 100
64 60.4 53.4 80.2
63 33.6 29.3 43.9



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: 112.443 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG039010.D

Acq: 9 Jan 2019 1:45

Instrument :

BNA_G

ClientSampled :

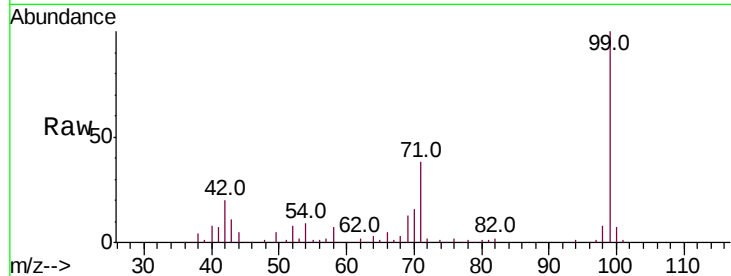
Tot Ion: 99 Resp: 252930

Ion Ratio Lower Upper

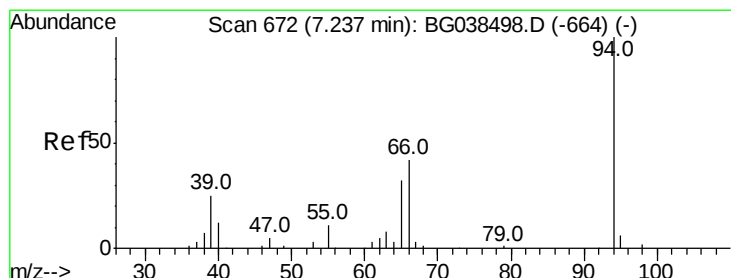
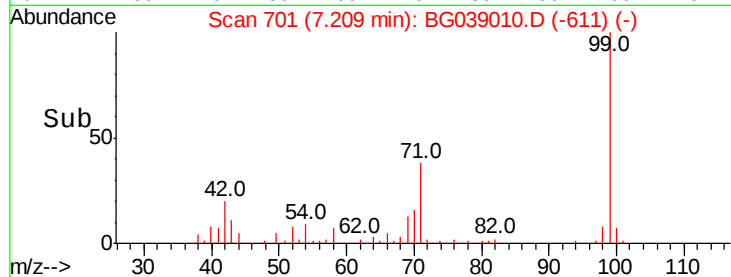
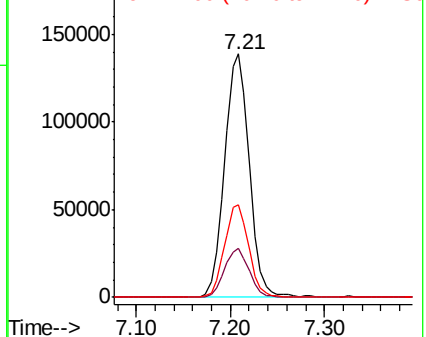
99 100

42 20.0 18.5 27.7

71 38.0 31.1 46.7



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



#10

Phenol

Concen: 6.271 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG039010.D

Acq: 9 Jan 2019 1:45

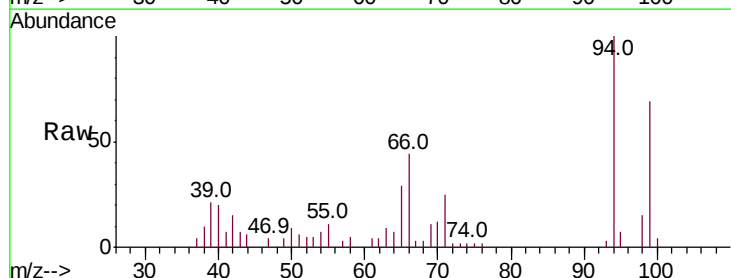
Tgt Ion: 94 Resp: 14985

Ion Ratio Lower Upper

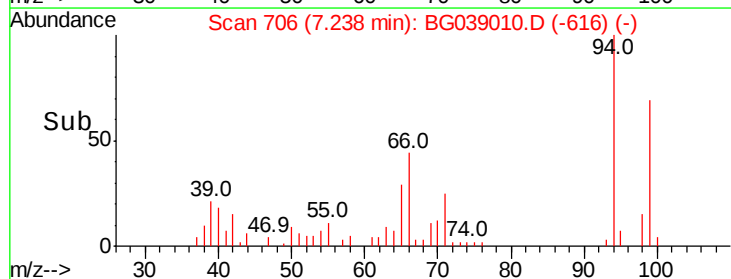
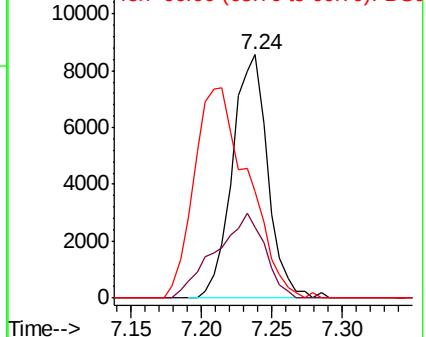
94 100

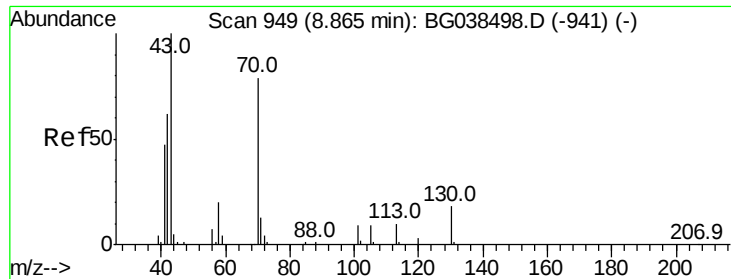
65 29.3 12.6 52.6

66 43.7 24.1 64.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

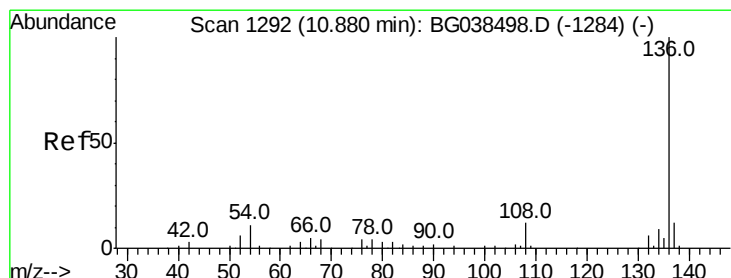
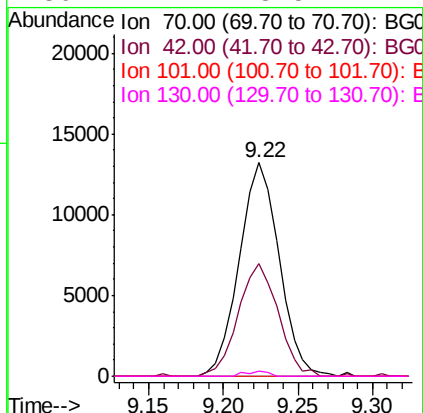
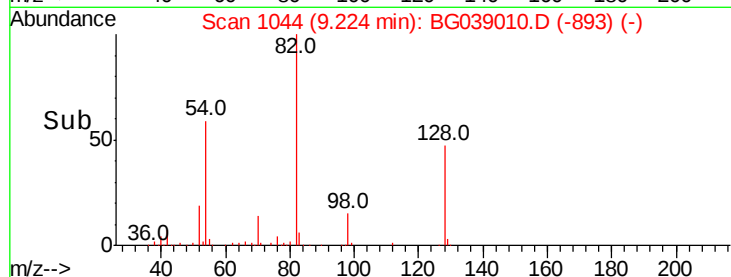
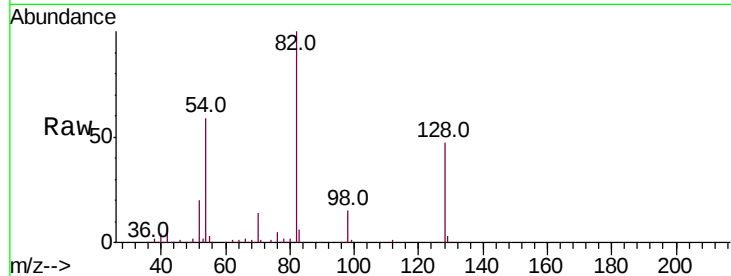




#19
n-Nitroso-di-n-propylamine
Concen: 15.562 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.36 min
Lab File: BG039010.D
Acq: 9 Jan 2019 1:45

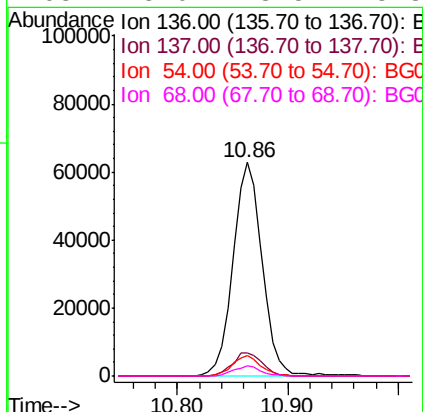
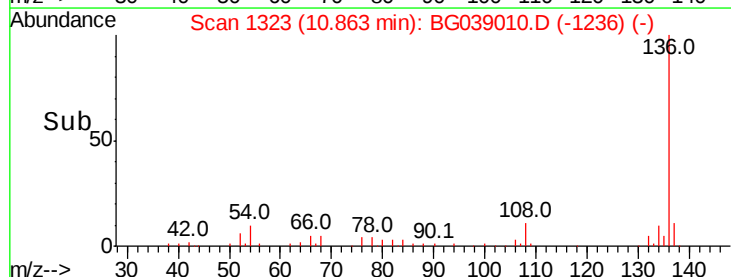
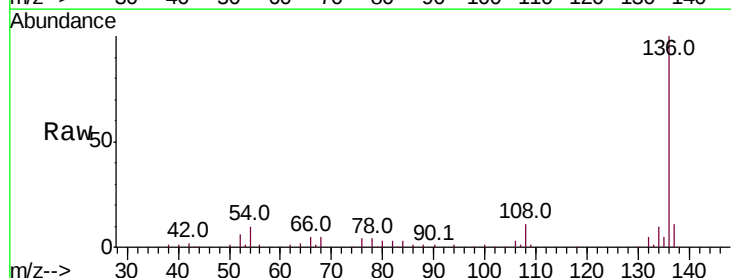
Instrument :
BNA_G
ClientSampleId :

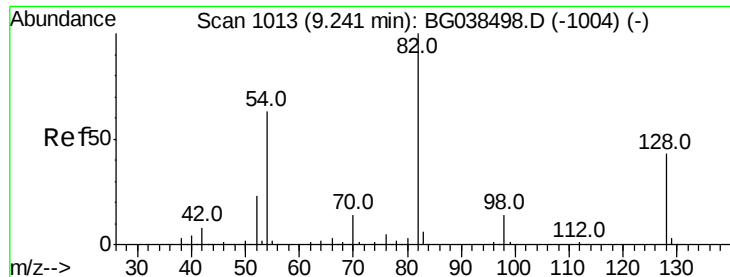
Tot Ion: 70 Resp: 24585
Ion Ratio Lower Upper
70 100
42 52.8 63.6 95.4#
101 0.0 9.2 13.8#
130 2.1 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG039010.D
Acq: 9 Jan 2019 1:45

Tgt Ion:136 Resp: 116005
Ion Ratio Lower Upper
136 100
137 10.6 9.3 13.9
54 9.5 8.5 12.7
68 5.0 3.5 5.3

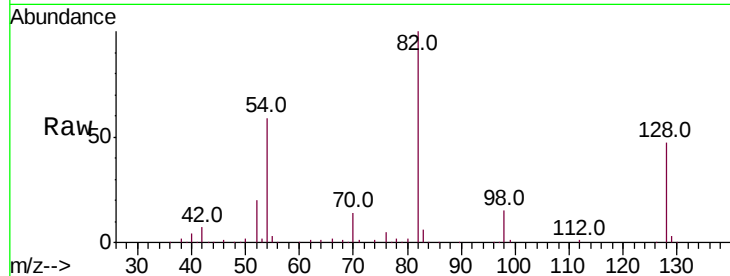




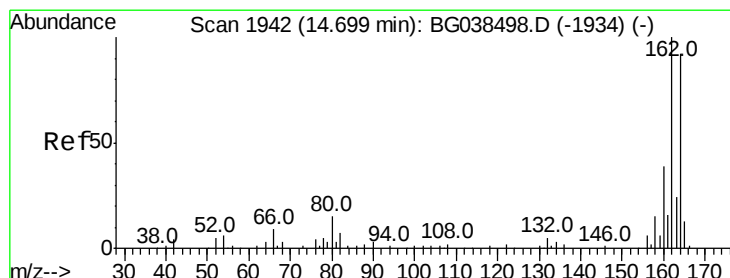
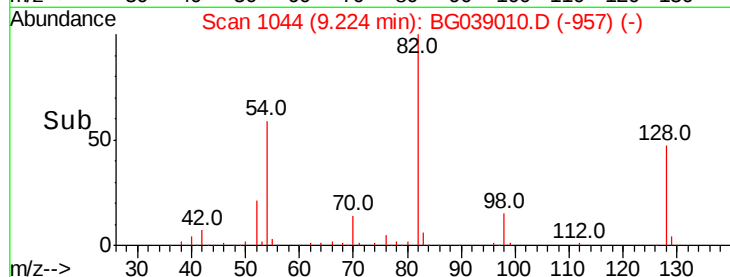
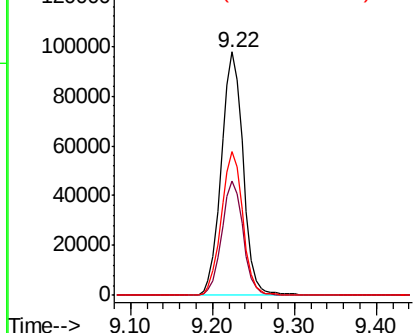
#23
Nitrobenzene-d5
Concen: 80.091 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG039010.D
Acq: 9 Jan 2019 1:45

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 181864
Ion Ratio Lower Upper
82 100
128 46.9 34.6 52.0
54 59.0 50.6 76.0

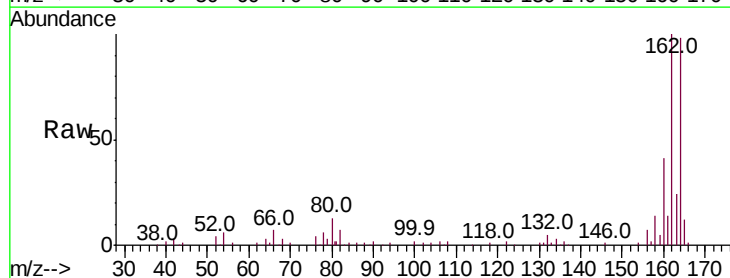


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

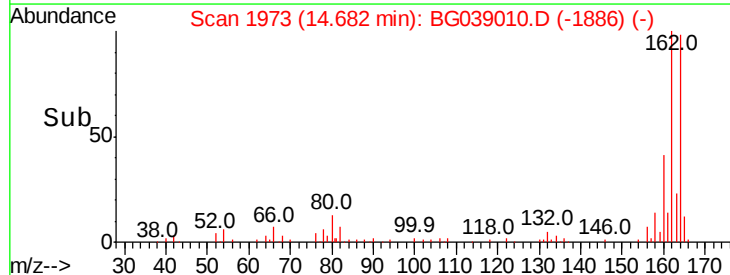
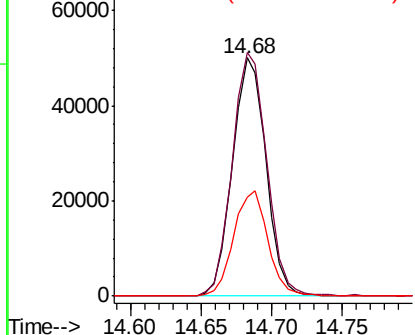


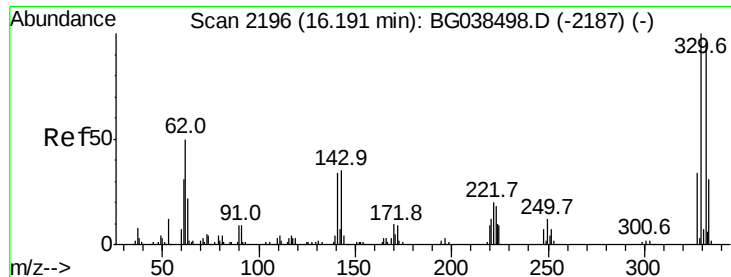
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BG039010.D
Acq: 9 Jan 2019 1:45

Tgt Ion: 164 Resp: 82602
Ion Ratio Lower Upper
164 100
162 102.4 86.6 130.0
160 41.9 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

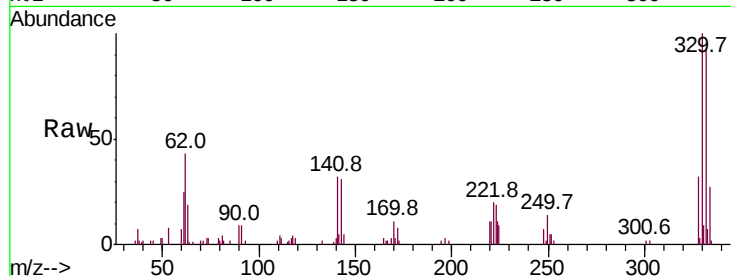




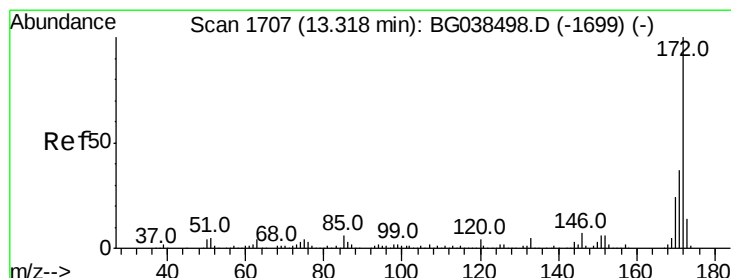
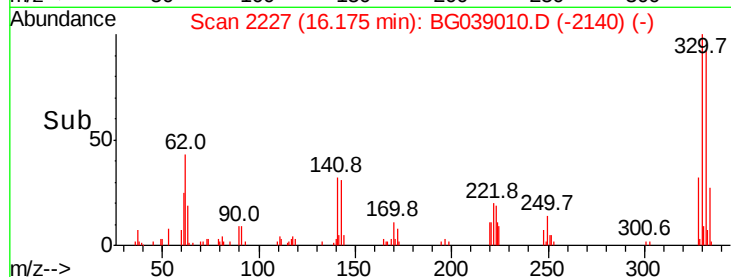
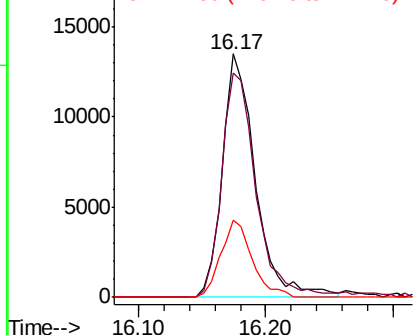
#42
 2,4,6-Tribromophenol
 Concen: 21.379 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.02 min
 Lab File: BG039010.D
 Acq: 9 Jan 2019 1:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.9	115.3
141	30.2	28.8	43.2

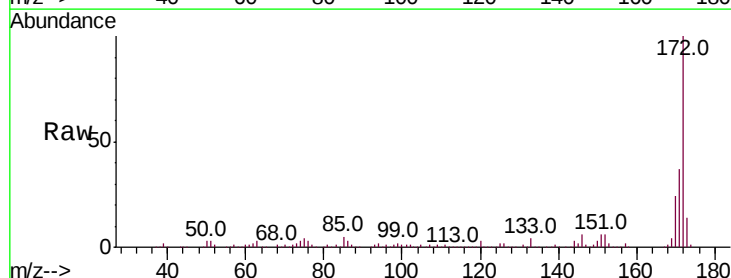


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

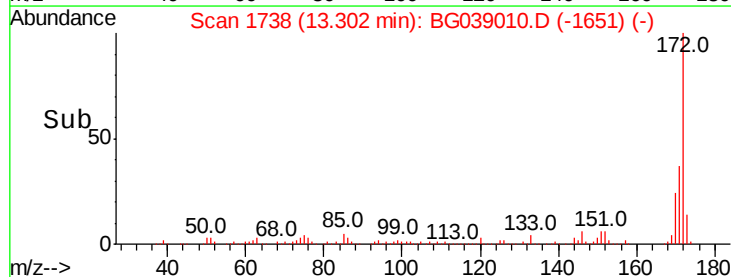
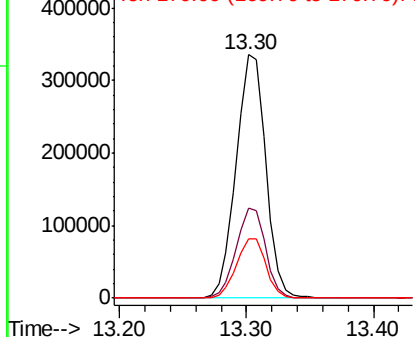


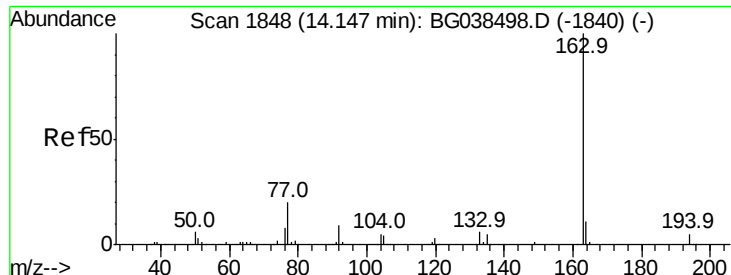
#45
 2-Fluorobiphenyl
 Concen: 90.144 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG039010.D
 Acq: 9 Jan 2019 1:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.8	44.6
170	24.5	19.5	29.3



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





#50

Dimethylphthalate

Concen: 5.476 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BG039010.D

Acq: 9 Jan 2019 1:45

Instrument :

BNA_G

ClientSampleId :

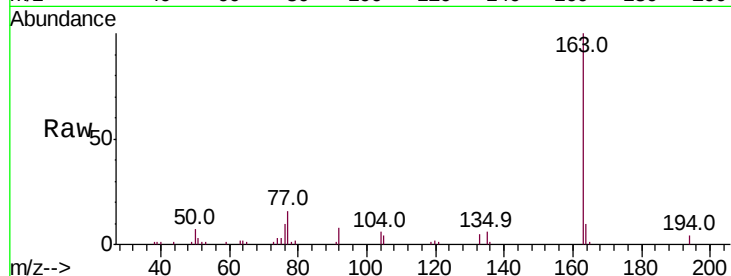
Tot Ion:163 Resp: 36939

Ion Ratio Lower Upper

163 100

194 3.9 3.7 5.5

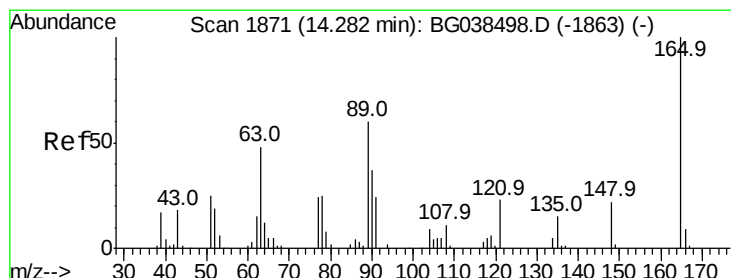
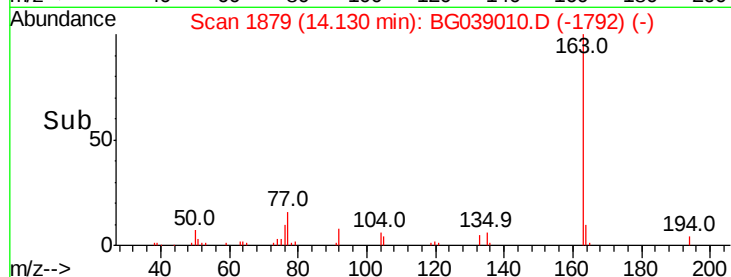
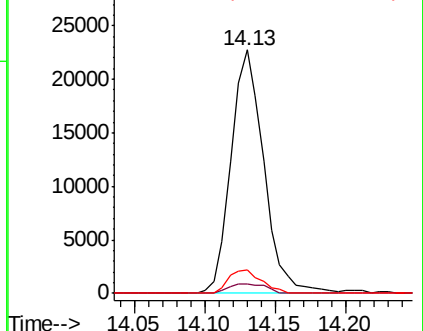
164 9.6 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.038 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.41 min

Lab File: BG039010.D

Acq: 9 Jan 2019 1:45

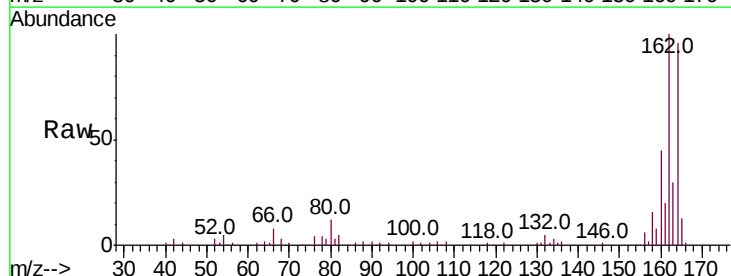
Tgt Ion:165 Resp: 10759

Ion Ratio Lower Upper

165 100

63 0.0 51.8 77.6#

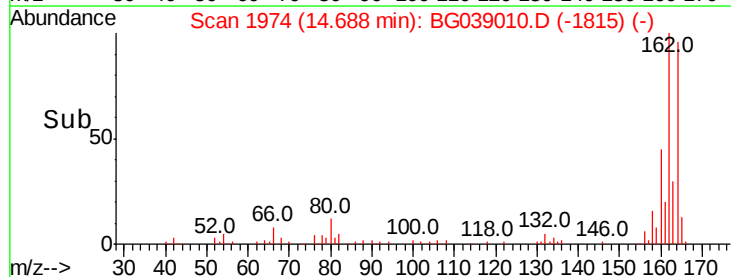
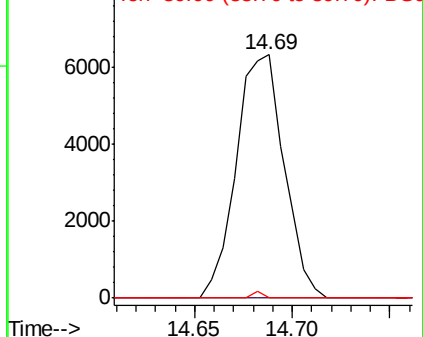
89 0.0 47.9 71.9#

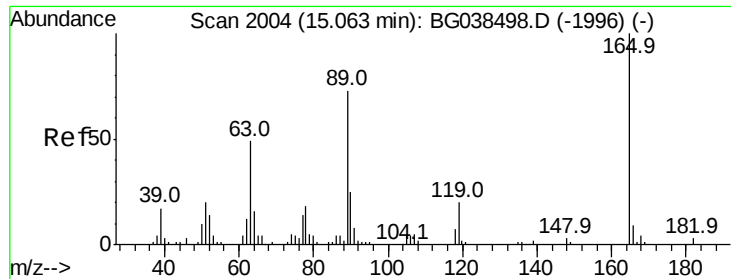


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

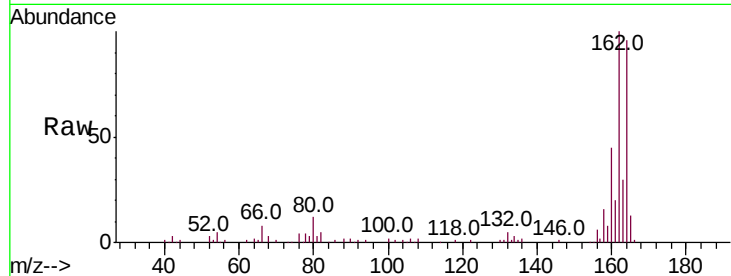




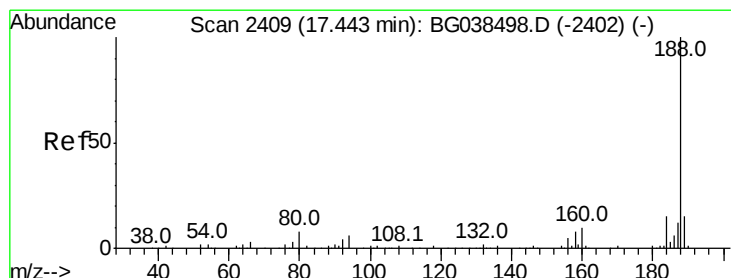
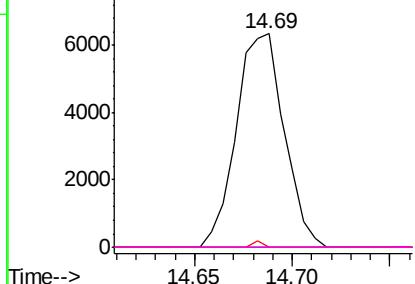
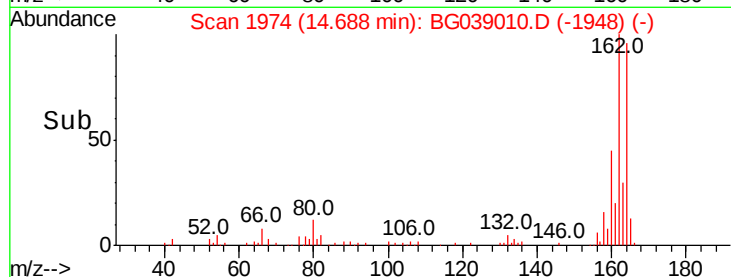
#57
 2,4-Dinitrotoluene
 Concen: 4.997 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG039010.D
 Acq: 9 Jan 2019 1:45

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 10759
 Ion Ratio Lower Upper
 165 100
 63 0.0 39.0 58.4#
 89 0.0 58.0 87.0#
 182 0.0 2.3 3.5#

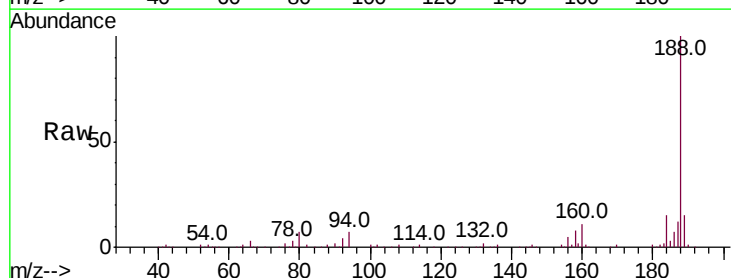


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

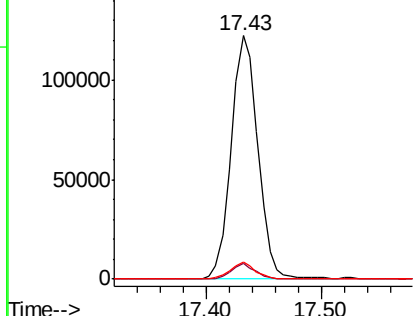
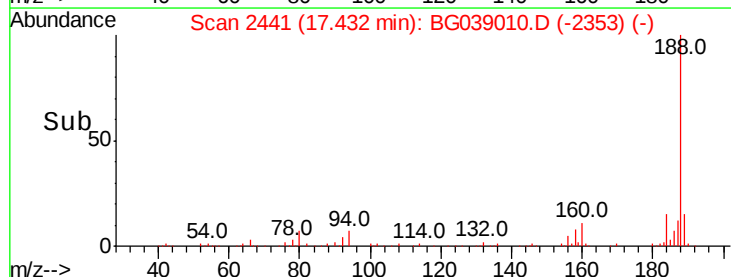


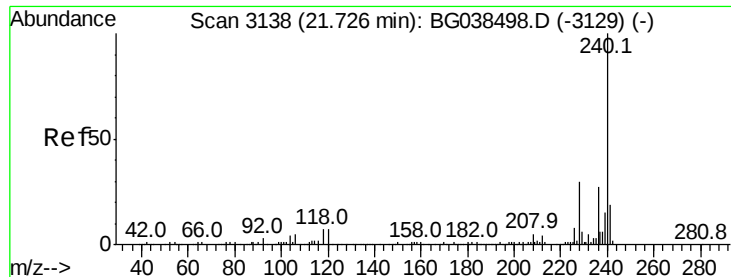
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG039010.D
 Acq: 9 Jan 2019 1:45

Tgt Ion:188 Resp: 195946
 Ion Ratio Lower Upper
 188 100
 94 6.6 5.1 7.7
 80 6.8 6.1 9.1



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

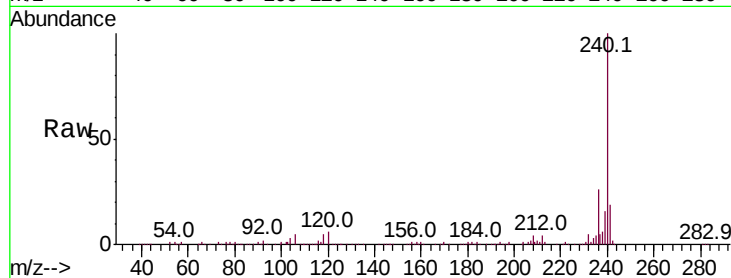




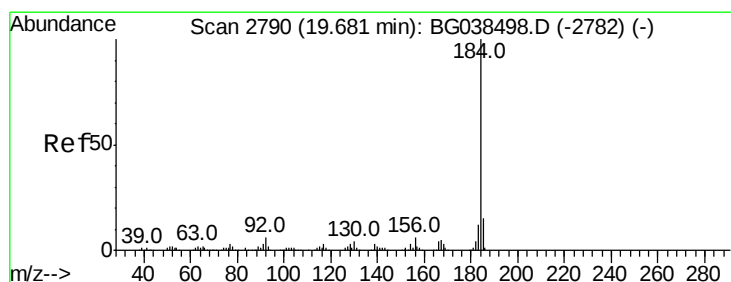
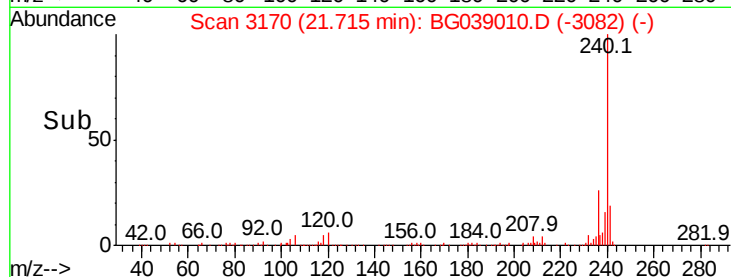
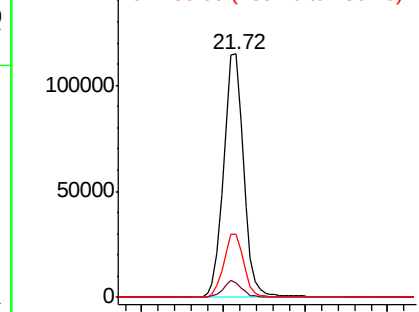
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3170
Delta R.T. -0.01 min
Lab File: BG039010.D
Acq: 9 Jan 2019 1:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 197280
Ion Ratio Lower Upper
240 100
120 6.1 5.3 7.9
236 26.1 21.4 32.2

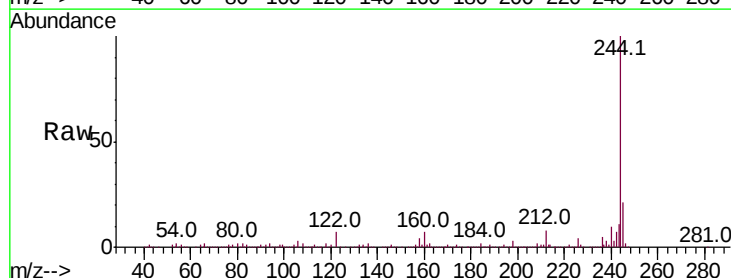


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

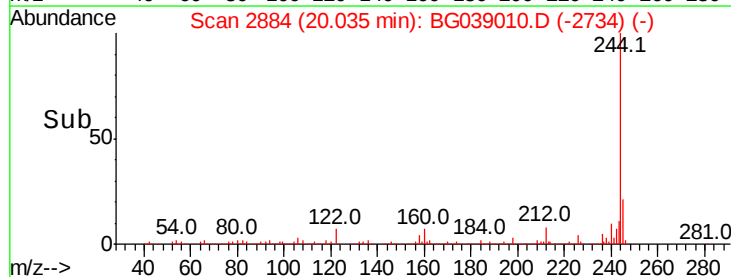
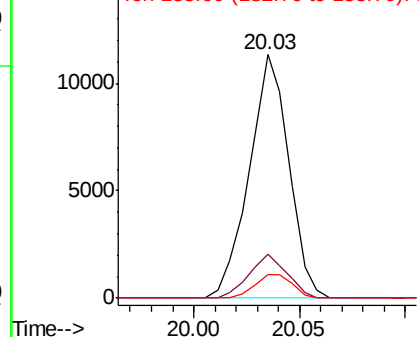


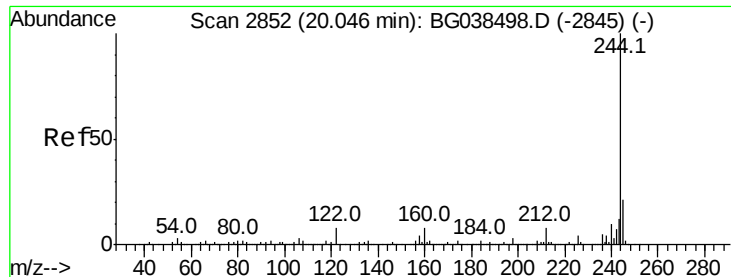
#77
Benzidine
Concen: 2.515 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.35 min
Lab File: BG039010.D
Acq: 9 Jan 2019 1:45

Tgt Ion:184 Resp: 14676
Ion Ratio Lower Upper
184 100
185 18.1 12.2 18.2
183 9.8 9.6 14.4



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: 100.412 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG039010.D

Acq: 9 Jan 2019 1:45

Instrument :

BNA_G

ClientSampleId :

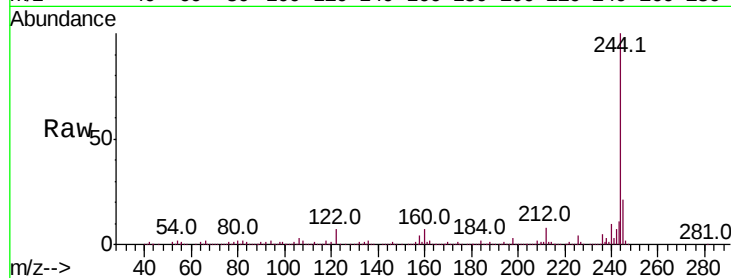
Tot Ion:244 Resp: 910216

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

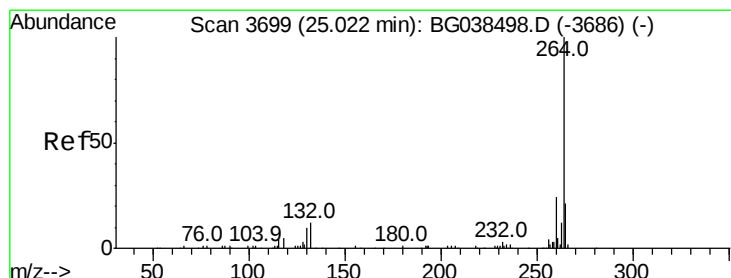
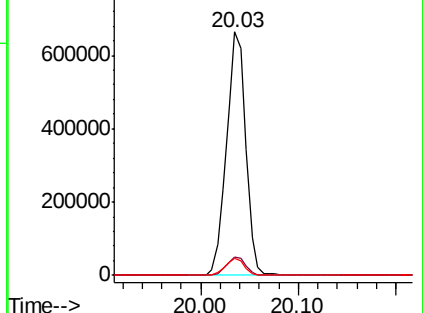
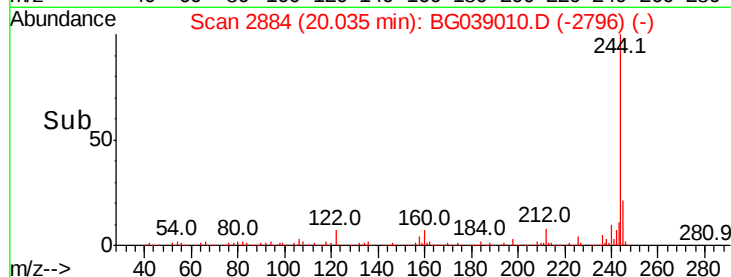
122 7.1 6.3 9.5



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: 25.01 min Scan# 3730

Delta R.T. -0.02 min

Lab File: BG039010.D

Acq: 9 Jan 2019 1:45

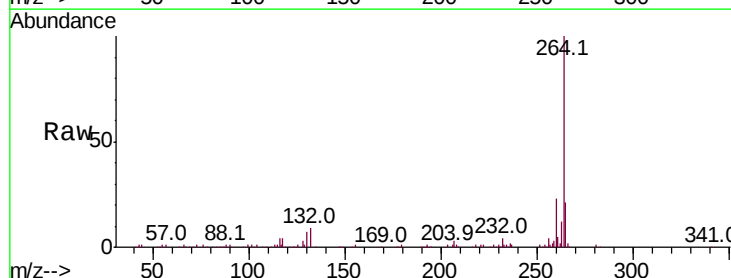
Tgt Ion:264 Resp: 206990

Ion Ratio Lower Upper

264 100

260 23.0 18.9 28.3

265 20.6 17.0 25.4



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

