

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038280.D
 Acq On : 1 Dec 2018 6:29
 Operator : JU/SJ
 Sample : J6129-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 112818-CHDE-F-D-M

Quant Time: Dec 03 00:01:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

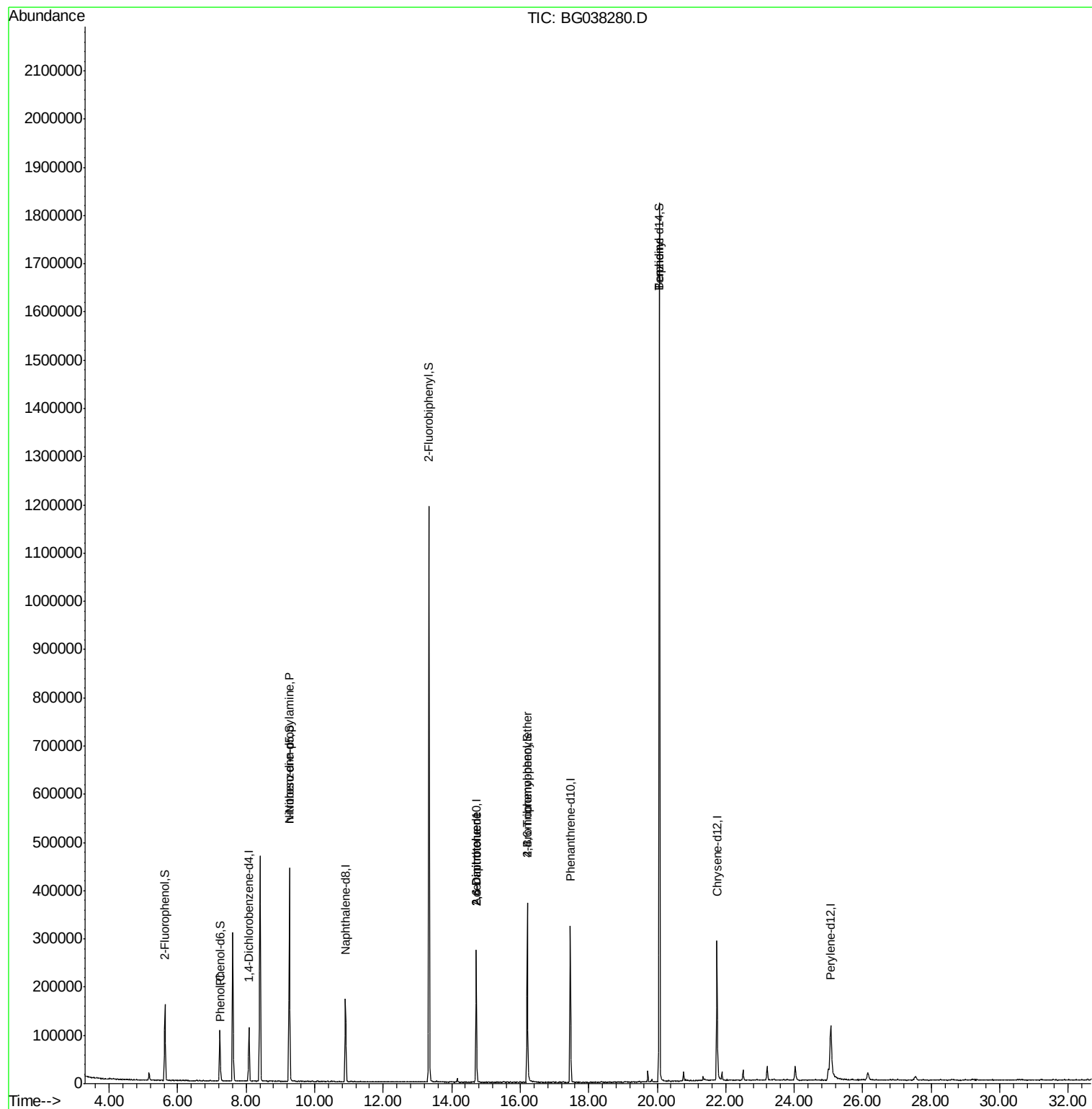
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	32916	20.00	ng	-0.01
21) Naphthalene-d8	10.90	136	152582	20.00	ng	-0.01
39) Acenaphthene-d10	14.72	164	96150	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	212456	20.00	ng	-0.01
76) Chrysene-d12	21.74	240	201303	20.00	ng	-0.01
87) Perylene-d12	25.06	264	175330	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	71913	37.72	ng	0.00
7) Phenol-d6	7.23	99	62977	23.14	ng	0.00
23) Nitrobenzene-d5	9.26	82	274369	96.26	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	72684	66.28	ng	-0.01
45) 2-Fluorobiphenyl	13.34	172	627037	95.01	ng	-0.01
79) Terphenyl-d14	20.06	244	884665	103.41	ng	0.00
Target Compounds						
10) Phenol	7.26	94	6763	2.346	ng	85
19) n-Nitroso-di-n-propylamine	9.26	70	35788	18.175	ng	# 77
51) 2,6-Dinitrotoluene	14.71	165	13038	7.557	ng	# 25
57) 2,4-Dinitrotoluene	14.71	165	13038	5.555	ng	# 25
67) 4-Bromophenyl-phenylether	16.20	248	4680	2.007	ng	# 1
77) Benzidine	20.06	184	16060	2.274	ng	# 93

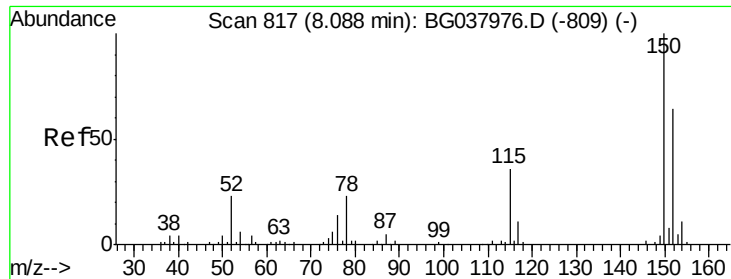
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
112818-CHDE-F-D-M

Quant Time: Dec 03 00:01:39 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
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QLast Update : Tue Nov 13 16:39:28 2018
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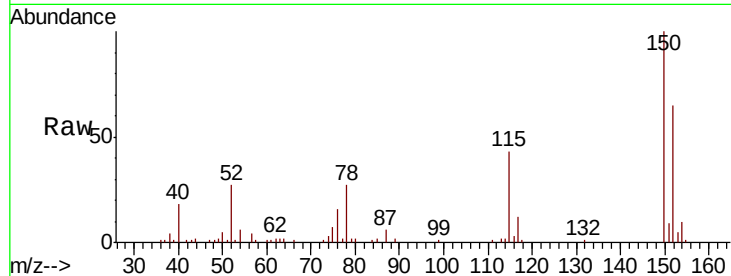


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.08 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BG038280.D
 Acq: 1 Dec 2018 6:29

Instrument :
 BNA_G
 ClientSampleId :
 112818-CHDE-F-D-M

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.0	189.0
115	65.8	45.5	68.3

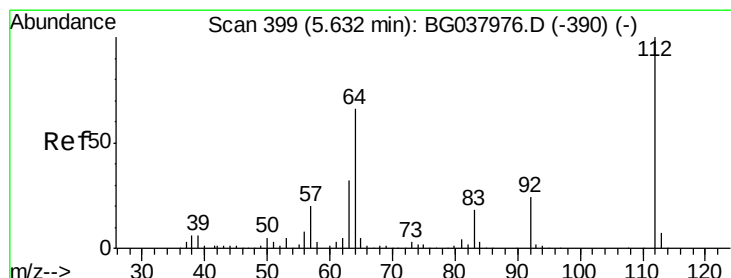
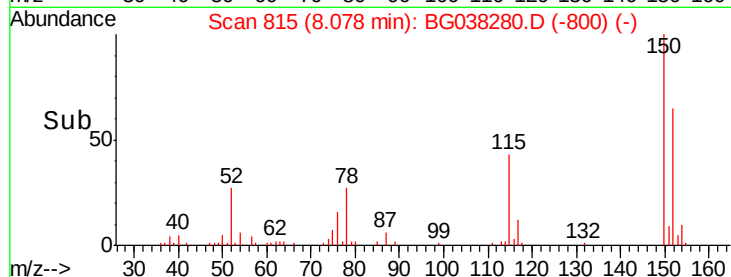
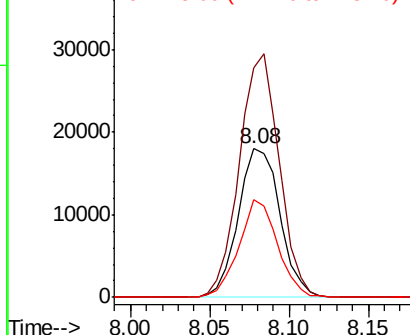


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

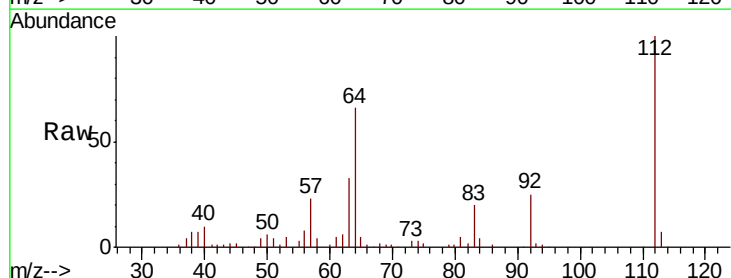
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 37.721 ng
 RT: 5.63 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: BG038280.D
 Acq: 1 Dec 2018 6:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	53.1	79.7
63	33.2	27.3	40.9

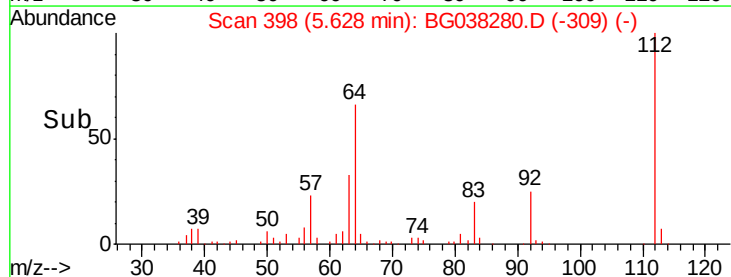
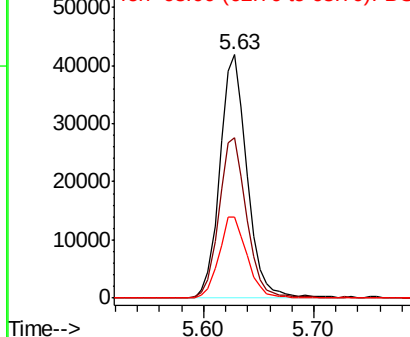


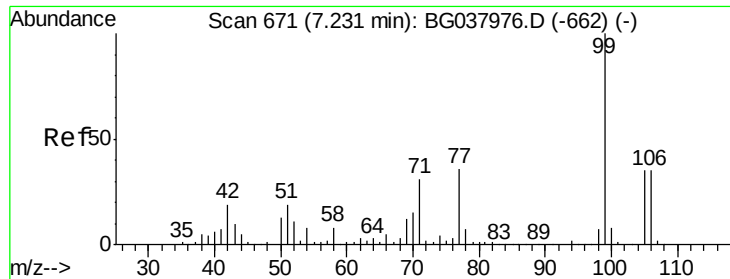
Abundance

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: 23.142 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038280.D

Acq: 1 Dec 2018 6:29

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-M

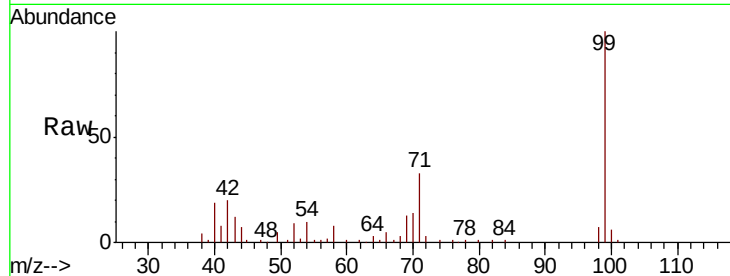
Tot Ion: 99 Resp: 62977

Ion Ratio Lower Upper

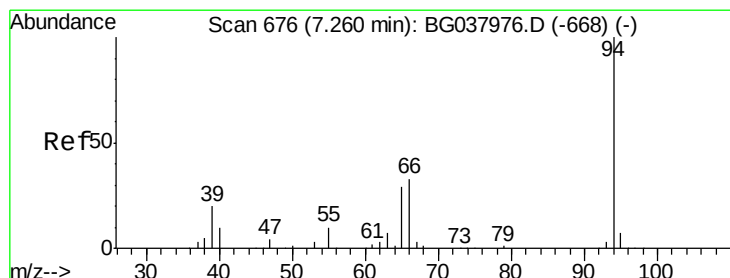
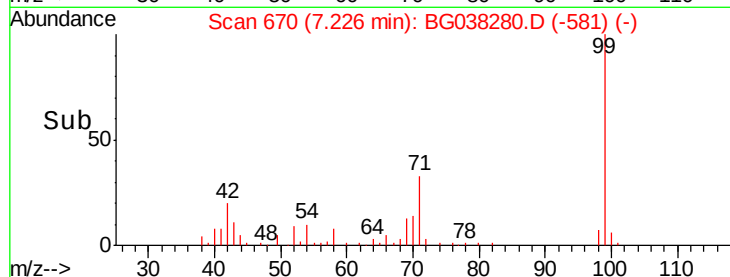
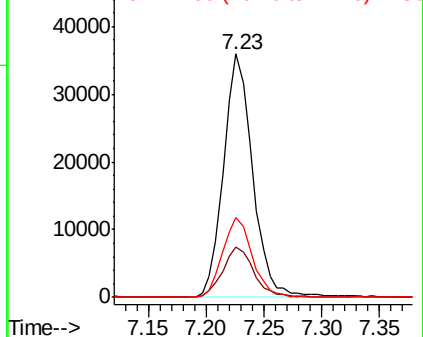
99 100

42 20.4 15.0 22.4

71 32.6 25.5 38.3



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: 2.346 ng

RT: 7.26 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG038280.D

Acq: 1 Dec 2018 6:29

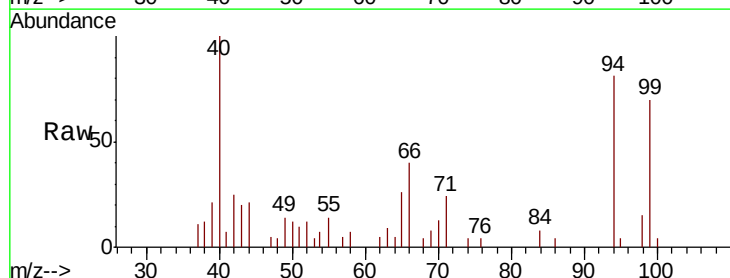
Tgt Ion: 94 Resp: 6763

Ion Ratio Lower Upper

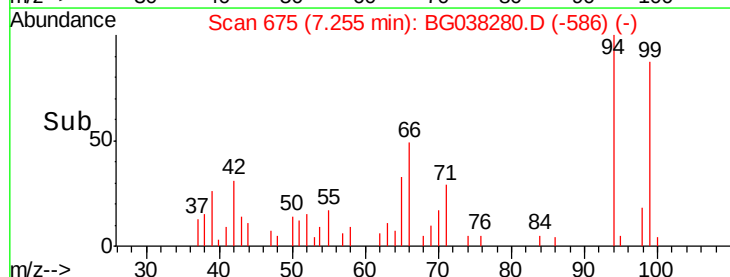
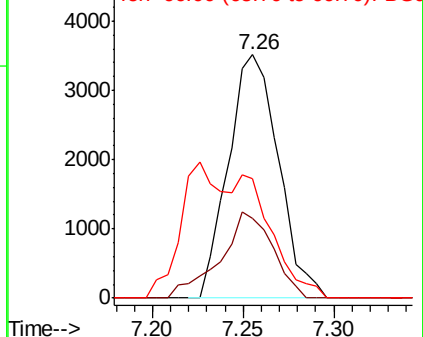
94 100

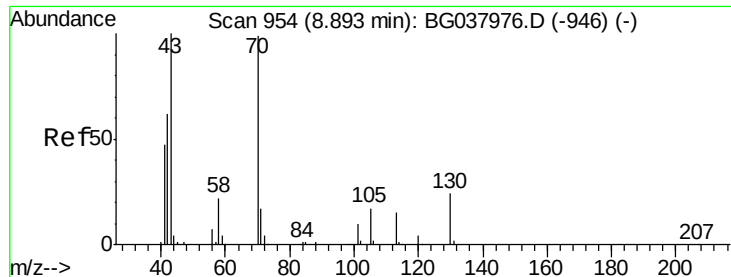
65 32.7 9.7 49.7

66 49.1 15.9 55.9



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: 18.175 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.37 min

Lab File: BG038280.D

Acq: 1 Dec 2018 6:29

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-M

Tot Ion: 70 Resp: 35788

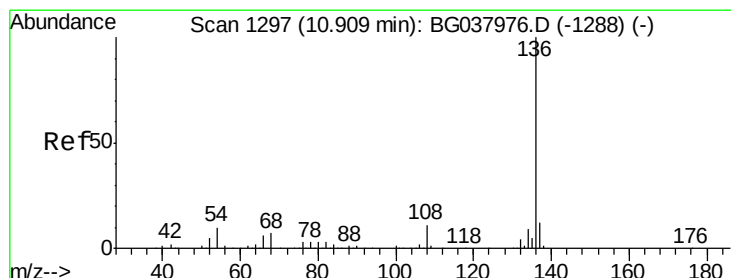
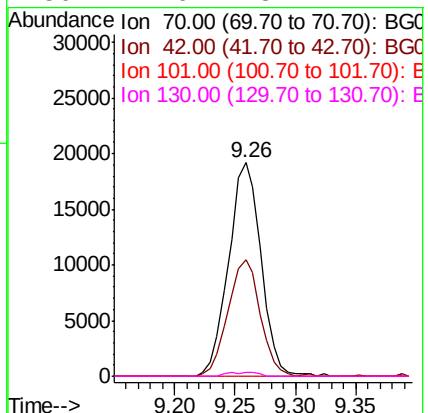
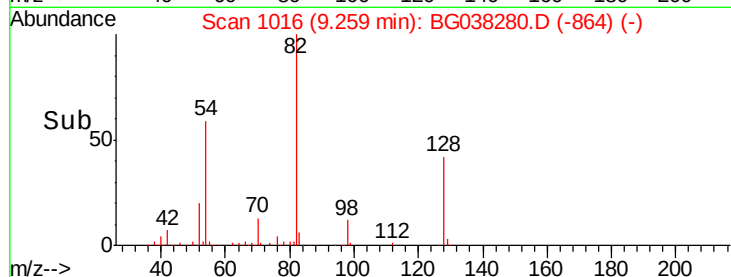
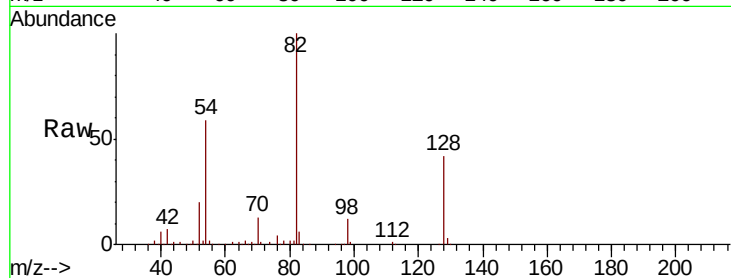
Ion Ratio Lower Upper

70 100

42 54.7 53.9 80.9

101 0.0 8.2 12.2#

130 1.6 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BG038280.D

Acq: 1 Dec 2018 6:29

Tgt Ion: 136 Resp: 152582

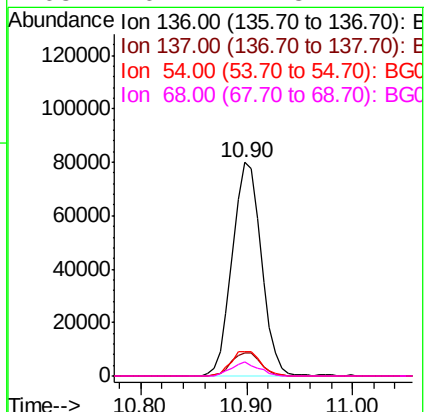
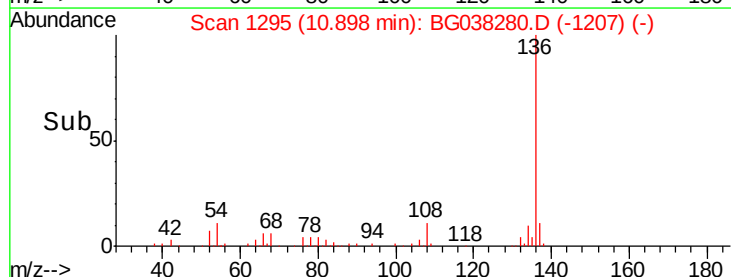
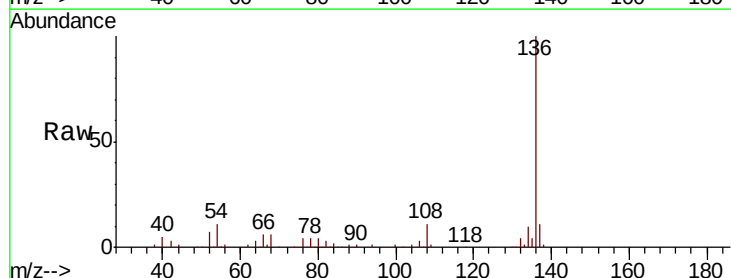
Ion Ratio Lower Upper

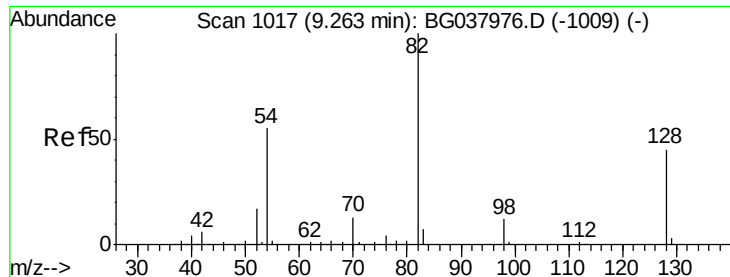
136 100

137 11.1 9.6 14.4

54 11.8 7.9 11.9

68 6.4 4.8 7.2

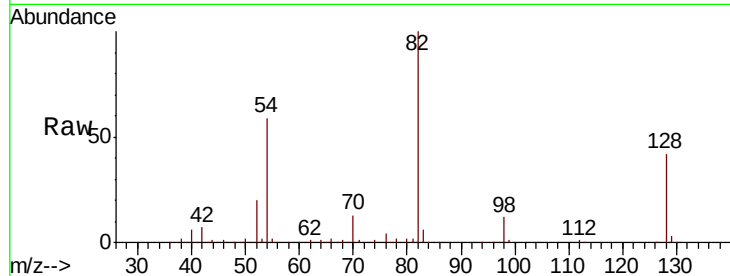




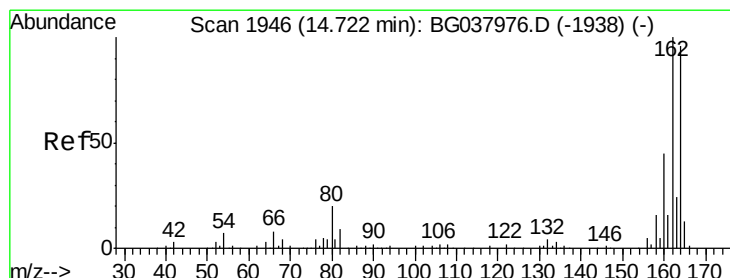
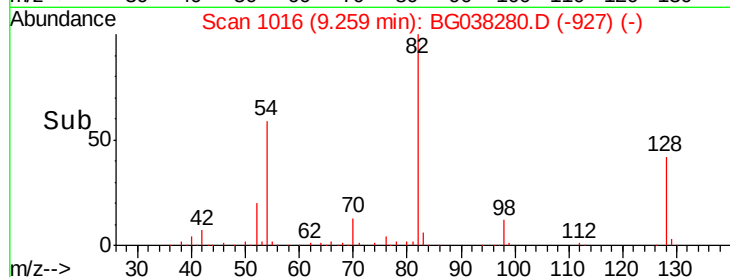
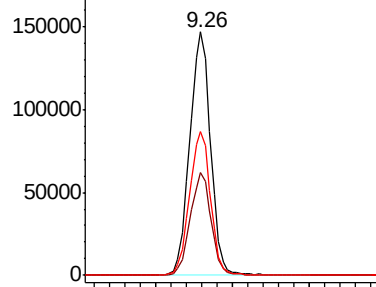
#23
Nitrobenzene-d5
Concen: 96.257 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG038280.D
Acq: 1 Dec 2018 6:29

Instrument :
BNA_G
ClientSampleId :
112818-CHDE-F-D-M

Tot Ion: 82 Resp: 274369
Ion Ratio Lower Upper
82 100
128 42.0 34.6 51.8
54 59.2 45.3 67.9

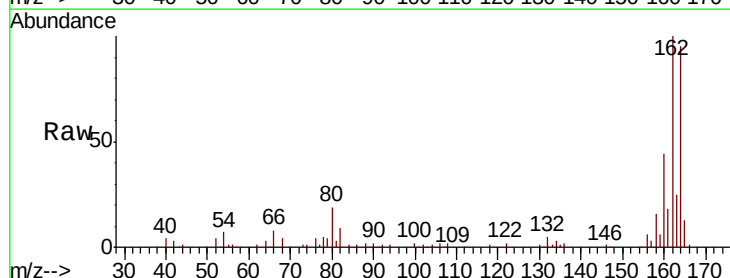


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

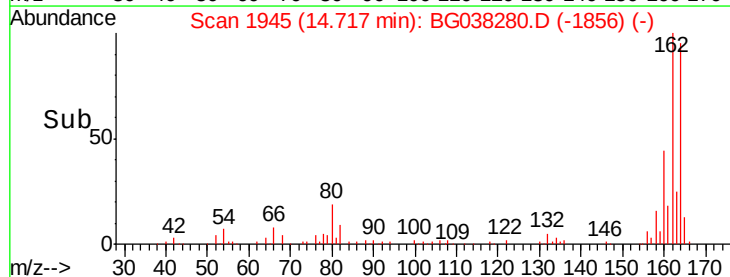
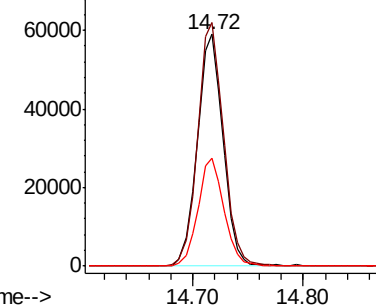


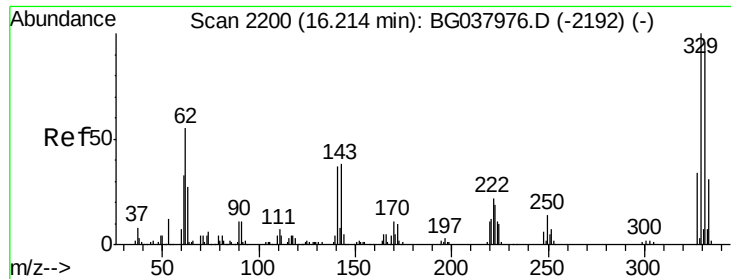
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BG038280.D
Acq: 1 Dec 2018 6:29

Tgt Ion:164 Resp: 96150
Ion Ratio Lower Upper
164 100
162 105.1 81.3 121.9
160 46.3 36.3 54.5



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

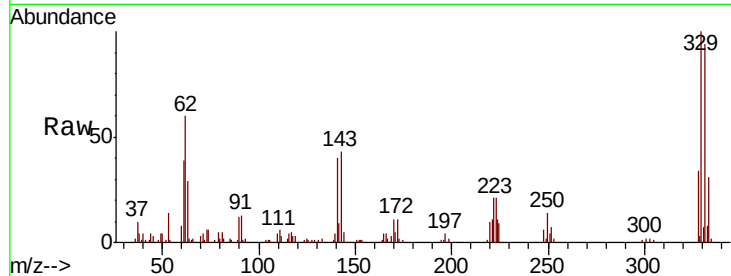




#42
 2,4,6-Tribromophenol
 Concen: 66.283 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG038280.D
 Acq: 1 Dec 2018 6:29

Instrument :
 BNA_G
 ClientSampleId :
 112818-CHDE-F-D-M

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	78.4	117.6
141	41.7	32.2	48.2

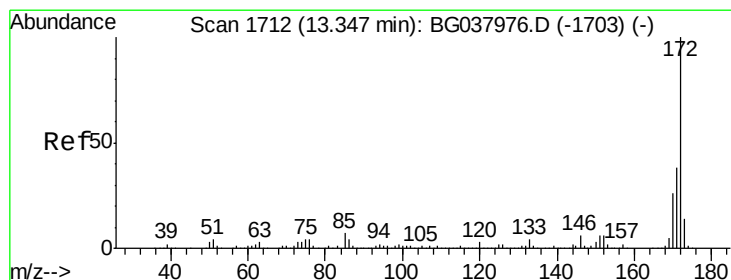
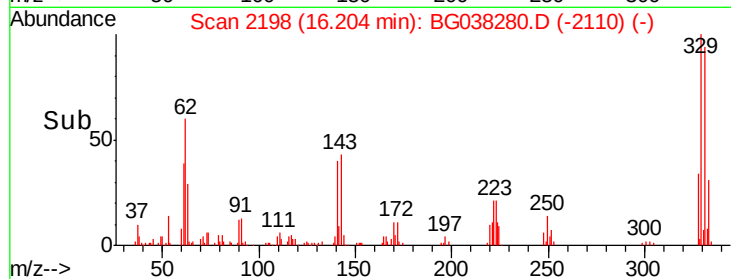
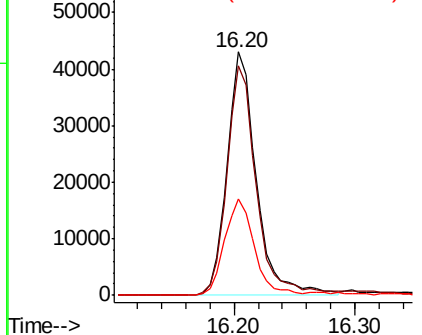


Abundance

Ion 329.80 (329.50 to 330.50): E

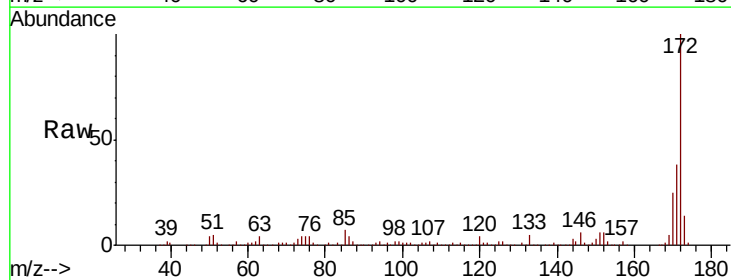
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 95.008 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038280.D
 Acq: 1 Dec 2018 6:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.0	46.4
170	24.9	20.2	30.2

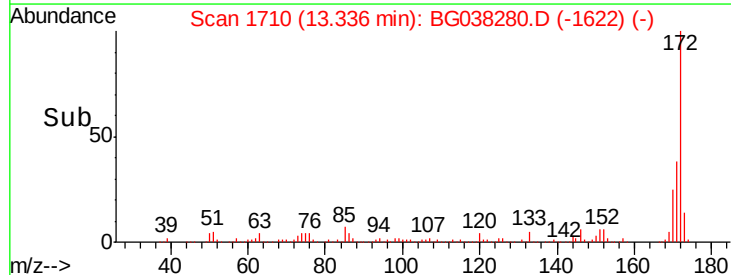
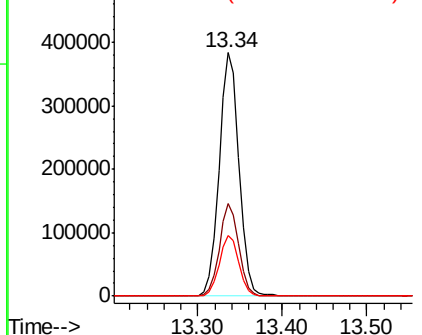


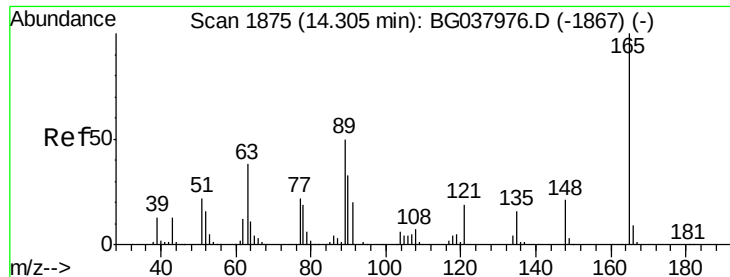
Abundance

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

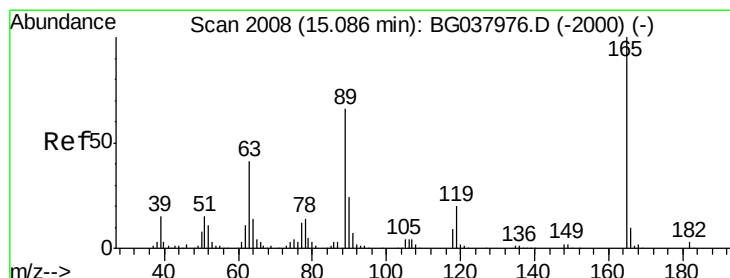
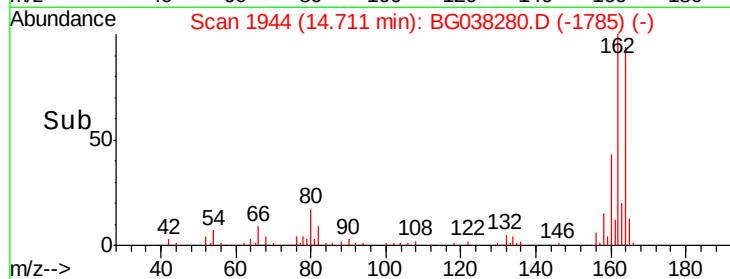
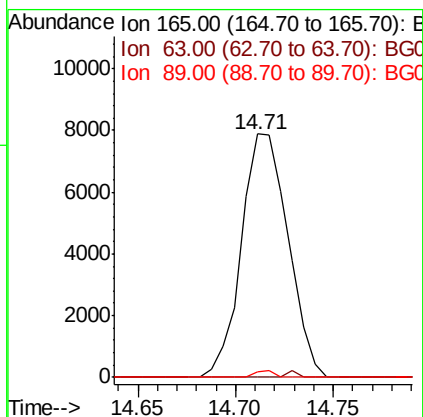
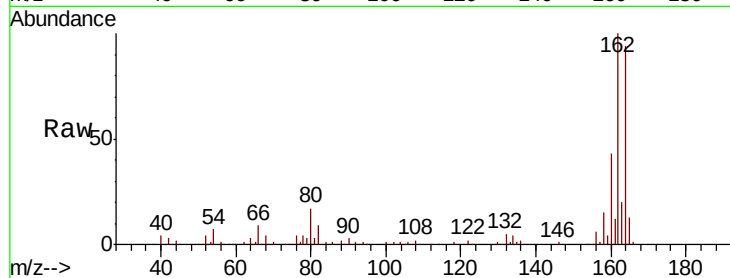




#51
 2,6-Dinitrotoluene
 Concen: 7.557 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. 0.41 min
 Lab File: BG038280.D
 Acq: 1 Dec 2018 6:29

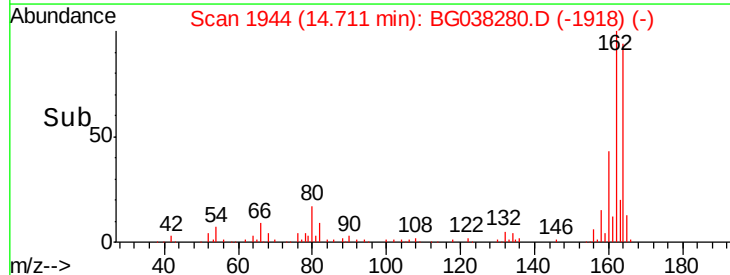
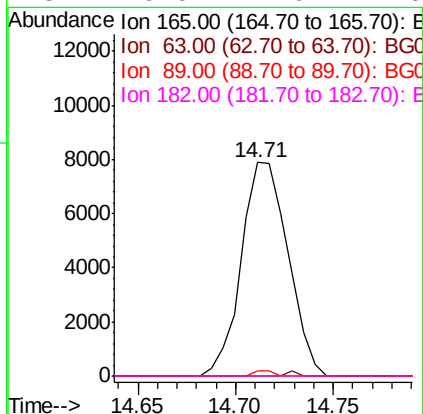
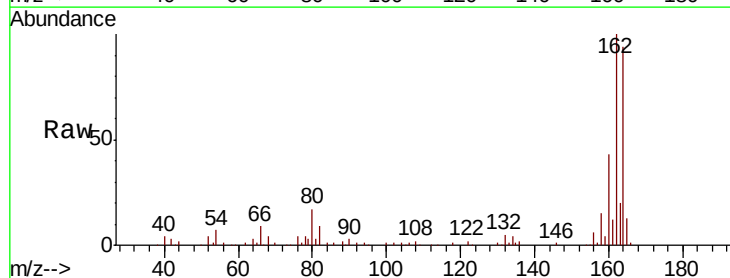
Instrument :
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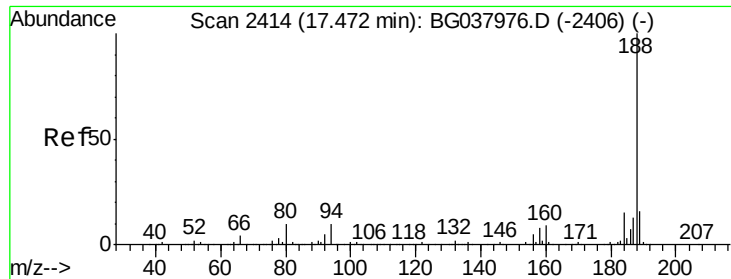
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	2.5	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.555 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. -0.37 min
 Lab File: BG038280.D
 Acq: 1 Dec 2018 6:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	2.5	57.2	85.8#
182	0.0	2.6	4.0#

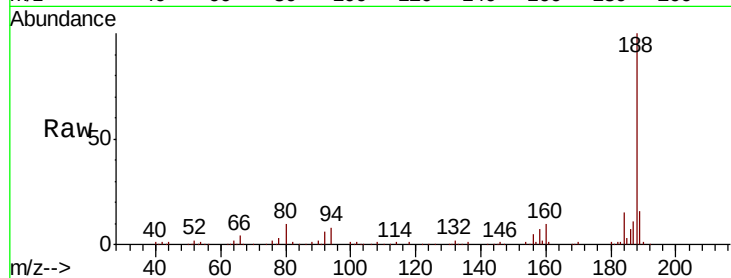




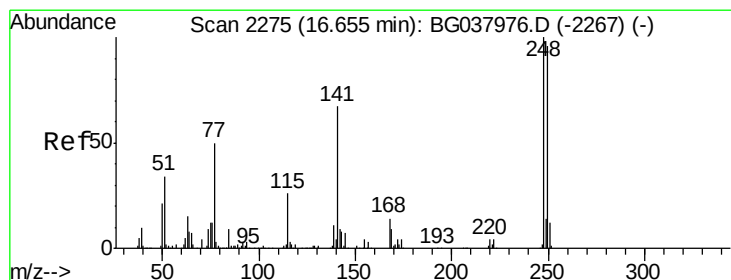
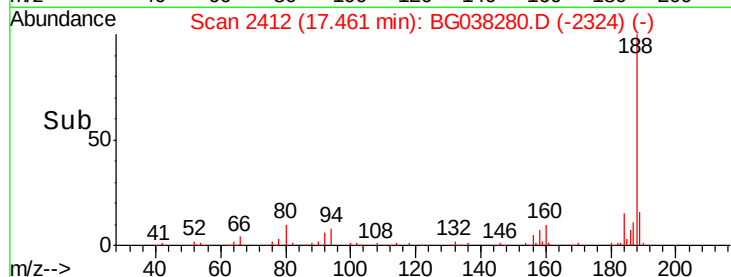
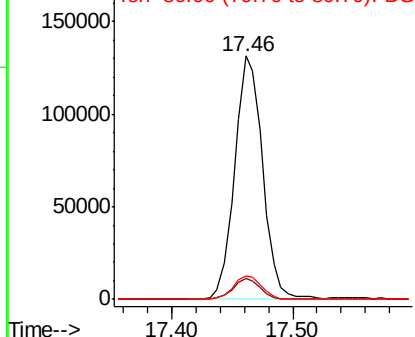
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BG038280.D
Acq: 1 Dec 2018 6:29

Instrument :
BNA_G
ClientSampleId :
112818-CHDE-F-D-M

Tot Ion:188 Resp: 212456
Ion Ratio Lower Upper
188 100
94 8.4 7.2 10.8
80 9.8 7.7 11.5

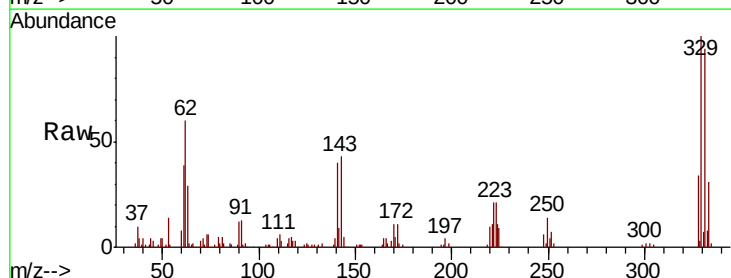


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

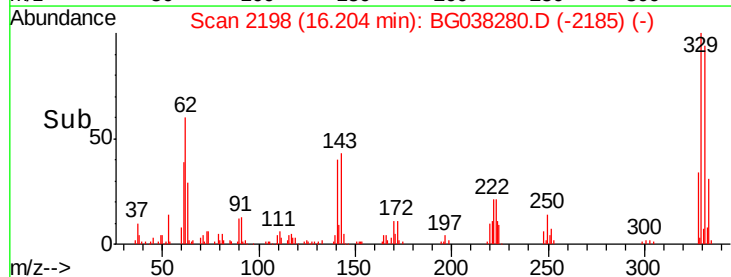
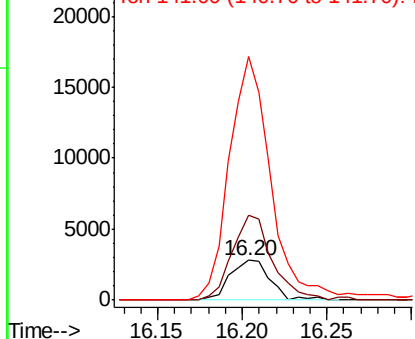


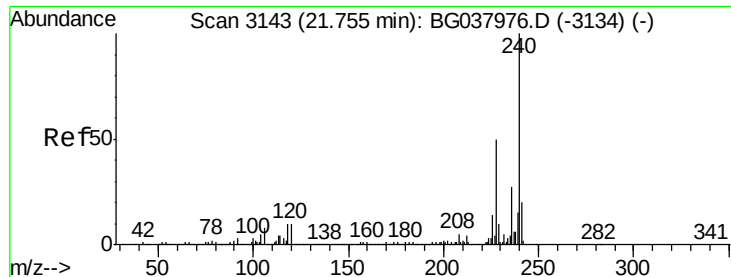
#67
4-Bromophenyl-phenylether
Concen: 2.007 ng
RT: 16.20 min Scan# 2198
Delta R.T. -0.45 min
Lab File: BG038280.D
Acq: 1 Dec 2018 6:29

Tgt Ion:248 Resp: 4680
Ion Ratio Lower Upper
248 100
250 195.8 77.0 115.6#
141 443.5 55.5 83.3#



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: 21.74 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG038280.D

Acq: 1 Dec 2018 6:29

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-M

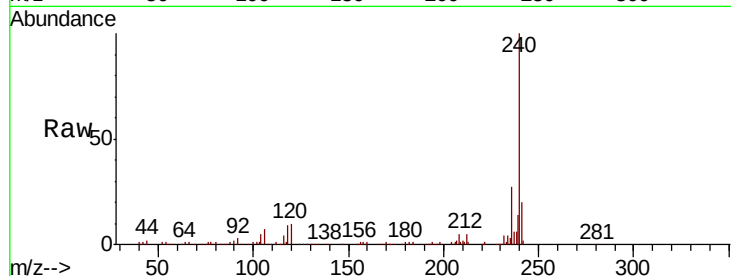
Tot Ion:240 Resp: 201303

Ion Ratio Lower Upper

240 100

120 10.2 8.1 12.1

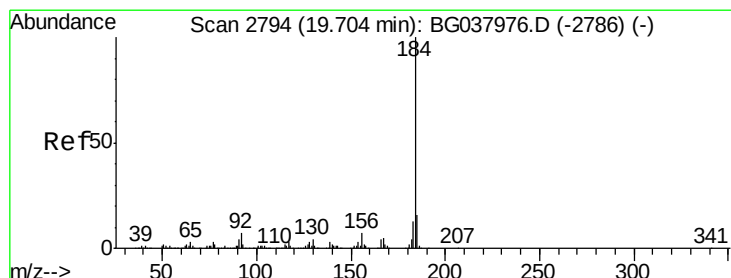
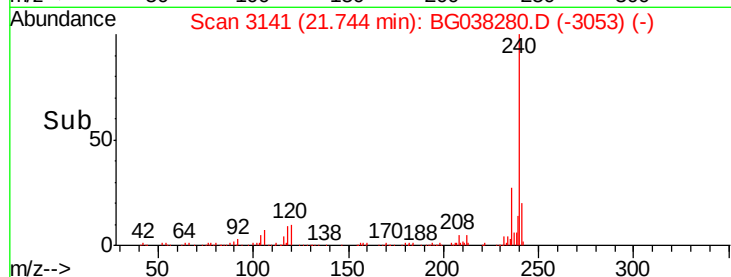
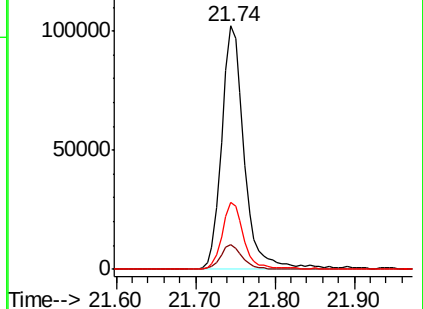
236 27.4 21.4 32.0



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: 2.274 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.36 min

Lab File: BG038280.D

Acq: 1 Dec 2018 6:29

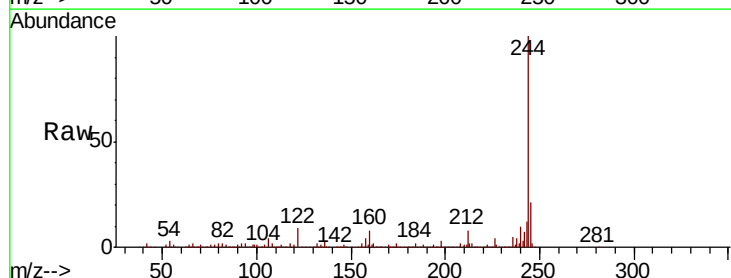
Tgt Ion:184 Resp: 16060

Ion Ratio Lower Upper

184 100

185 17.3 12.6 18.8

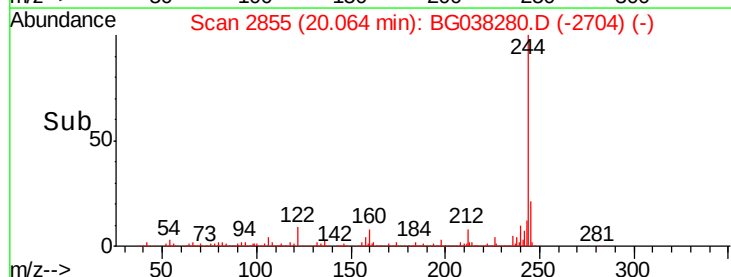
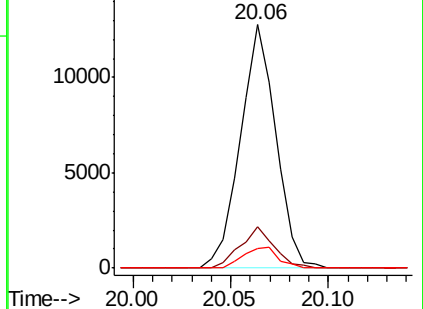
183 8.3 10.2 15.2#

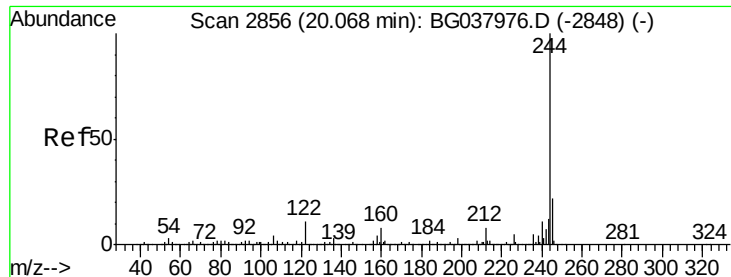


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 103.408 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038280.D

Acq: 1 Dec 2018 6:29

Instrument :

BNA_G

ClientSampleId :

112818-CHDE-F-D-M

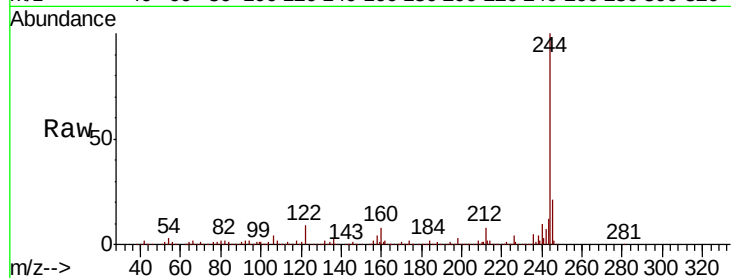
Tot Ion:244 Resp: 884665

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

122 9.4 9.0 13.4

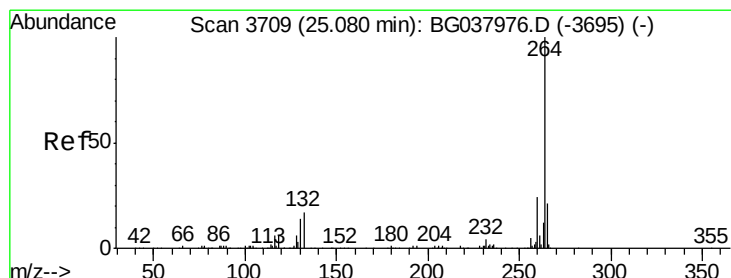
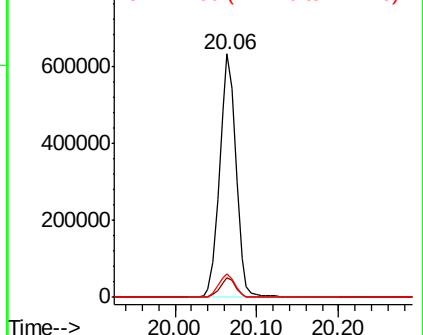
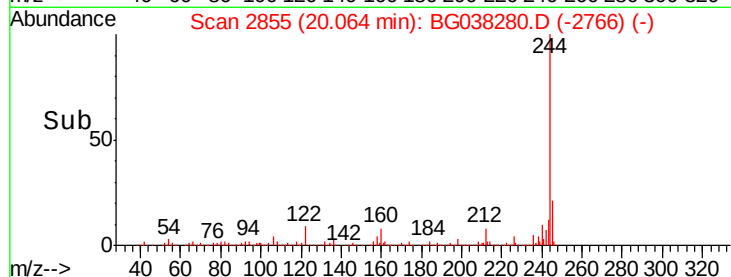


Abundance

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: 25.06 min Scan# 3706

Delta R.T. -0.02 min

Lab File: BG038280.D

Acq: 1 Dec 2018 6:29

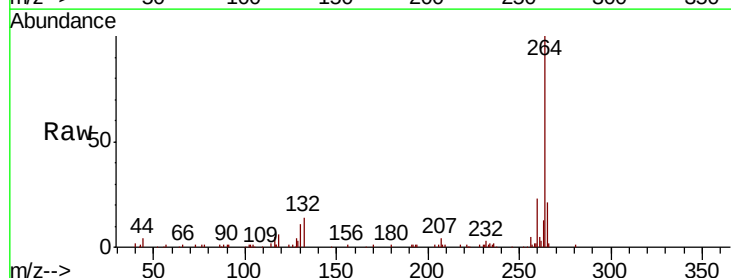
Tgt Ion:264 Resp: 175330

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 20.9 17.9 26.9



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

