

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031920\
 Data File : BG044902.D
 Acq On : 19 Mar 2020 18:16
 Operator : CG/JU
 Sample : PB127682BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB127682BL

Quant Time: Mar 20 01:20:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	79792	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	306609	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	203022	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	473616	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	496597	20.00	ng	-0.02
87) Perylene-d12	24.89	264	549771	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	707673	138.06	ng	0.00
7) Phenol-d6	7.20	99	971570	130.46	ng	0.00
23) Nitrobenzene-d5	9.20	82	641255	91.78	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	413921	155.71	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1322522	93.29	ng	0.00
79) Terphenyl-d14	20.03	244	2335535	87.97	ng	0.00

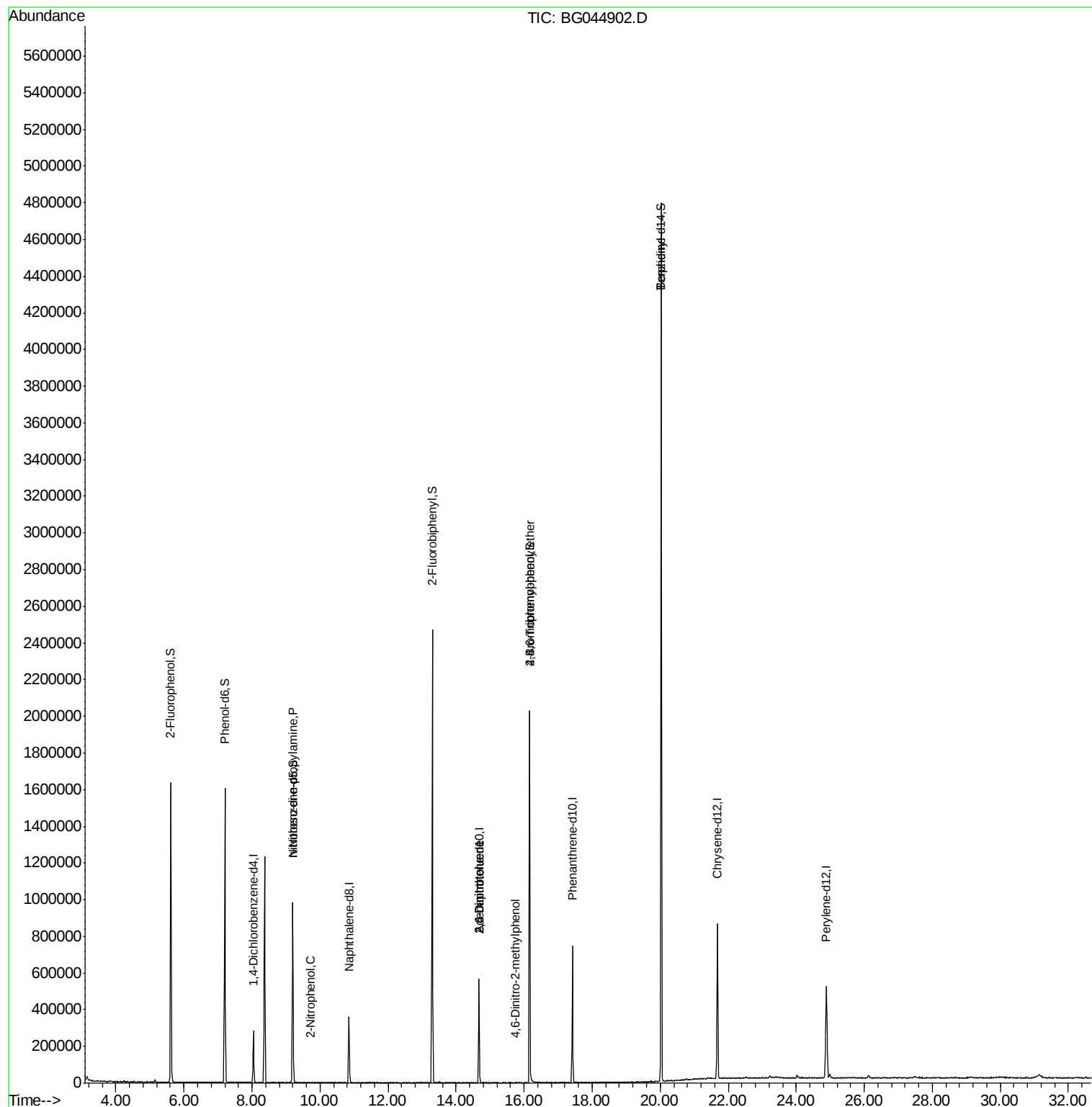
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1935	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	86536	16.46	ng	75
26) 2-Nitrophenol	9.71	139	64	5.54	ng	28
51) 2,6-Dinitrotoluene	14.67	165	26599	8.16	ng	24
57) 2,4-Dinitrotoluene	14.67	165	26599	5.95	ng	25
65) 4,6-Dinitro-2-methylphenol	15.75	198	65	7.75	ng	19
67) 4-Bromophenyl-phenylether	16.16	248	28492	4.81	ng	1
77) Benzydine	20.03	184	46276	2.87	ng	91

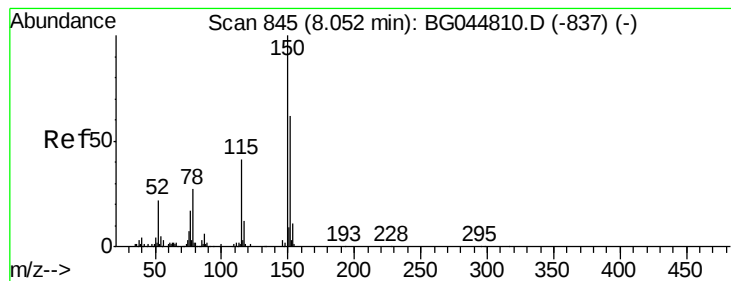
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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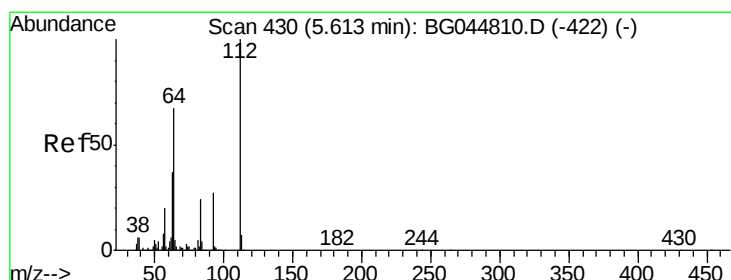
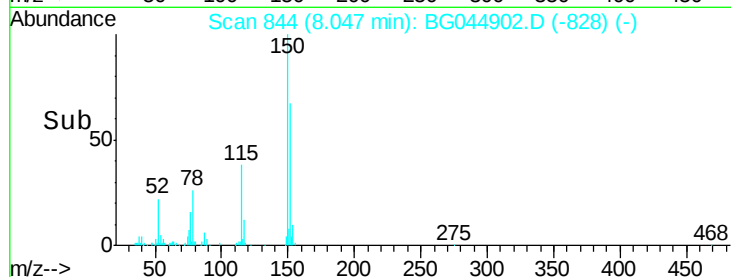
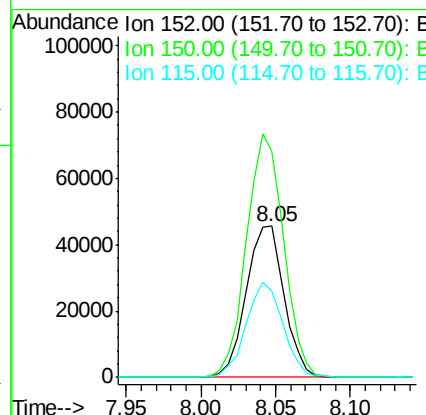
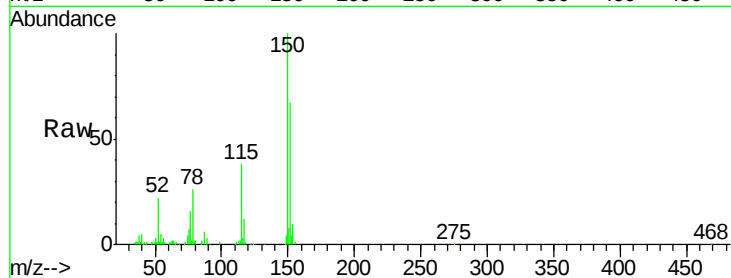




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BG044902.D
 Acq: 19 Mar 2020 18:16

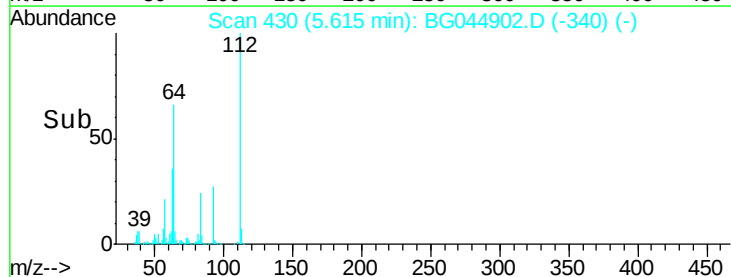
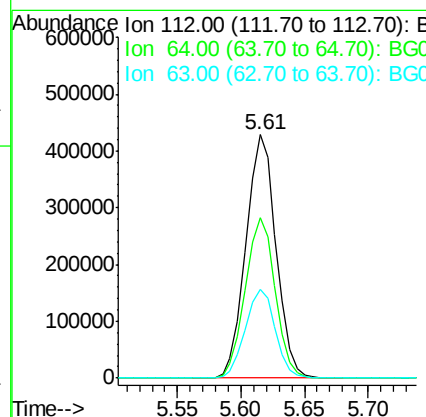
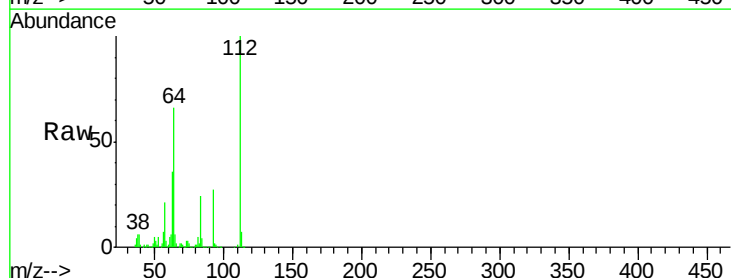
Instrument :
 BNA_G
 ClientSampleId :
 PB127682BL

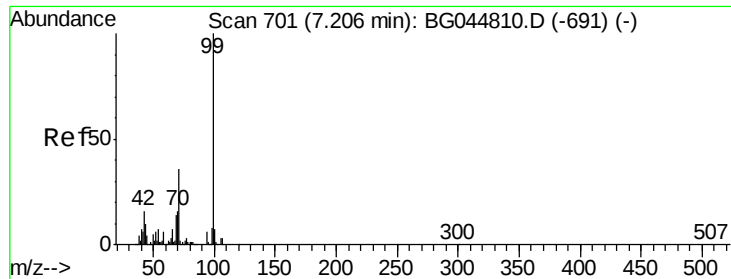
Tgt Ion:152 Resp: 79792
 Ion Ratio Lower Upper
 152 100
 150 149.7 128.8 193.2
 115 57.2 52.6 79.0



#5
 2-Fluorophenol
 Concen: 138.06 ng
 RT: 5.61 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BG044902.D
 Acq: 19 Mar 2020 18:16

Tgt Ion:112 Resp: 707673
 Ion Ratio Lower Upper
 112 100
 64 66.1 53.4 80.2
 63 36.4 29.4 44.2





#7

Phenol-d6

Concen: 130.46 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044902.D

Acq: 19 Mar 2020 18:16

Instrument :

BNA_G

ClientSampleId :

PB127682BL

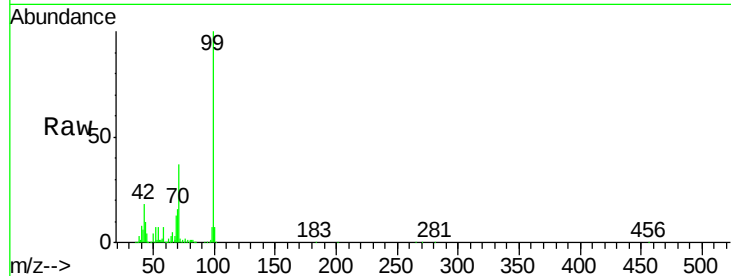
Tgt Ion: 99 Resp: 971570

Ion Ratio Lower Upper

99 100

42 17.7 12.6 19.0

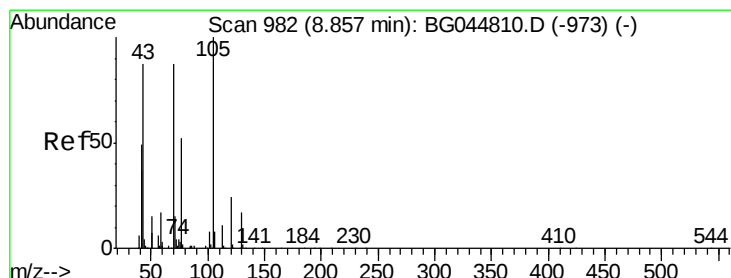
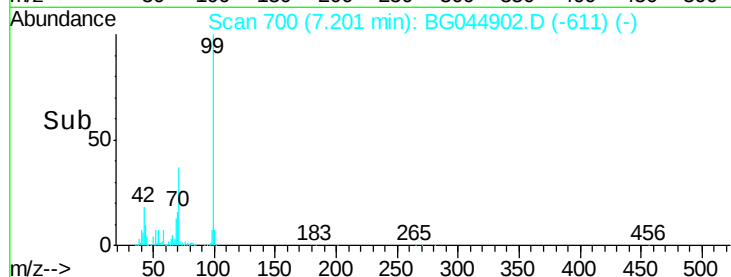
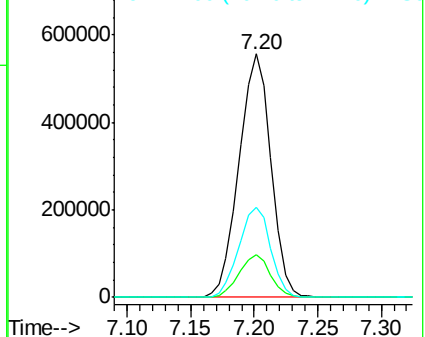
71 37.0 29.0 43.4



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: 16.46 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044902.D

Acq: 19 Mar 2020 18:16

Tgt Ion: 70 Resp: 86536

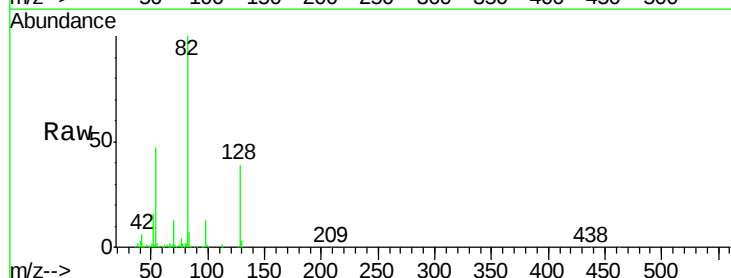
Ion Ratio Lower Upper

70 100

42 42.3 45.7 68.5#

101 0.0 7.4 11.2#

130 1.7 15.9 23.9#

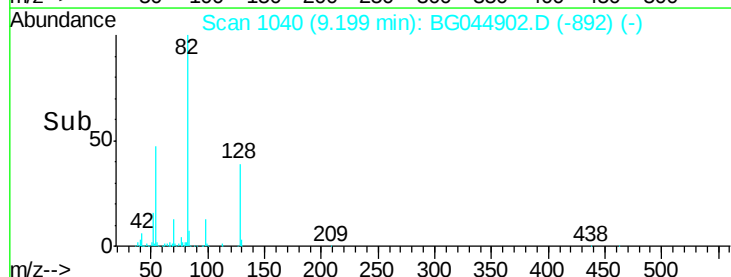
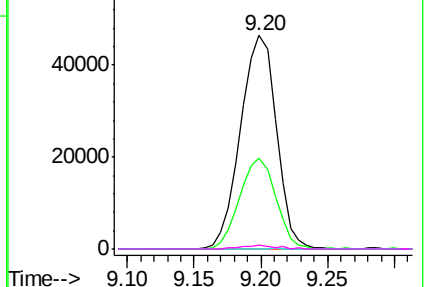


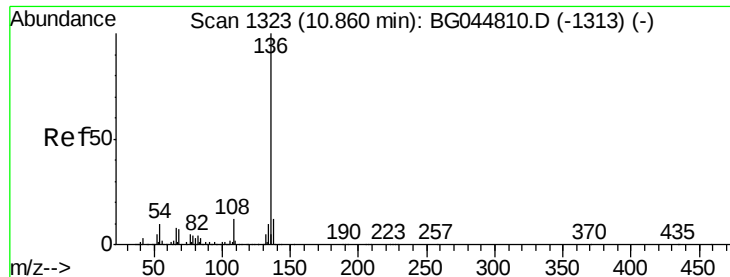
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

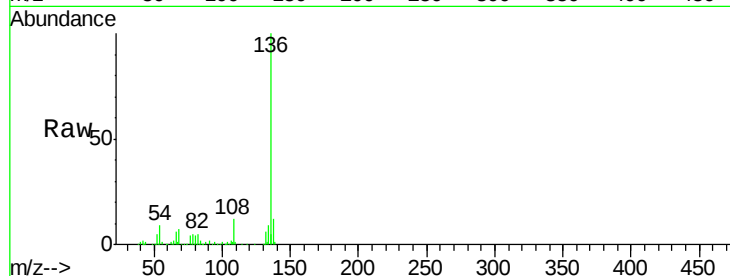




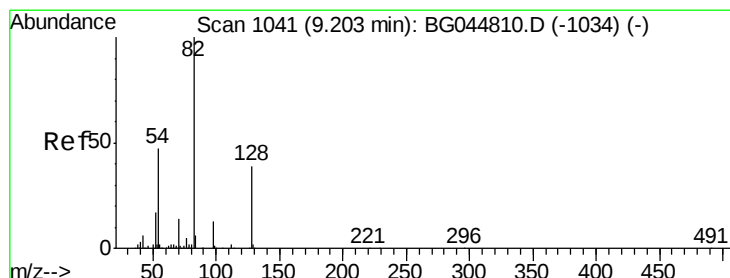
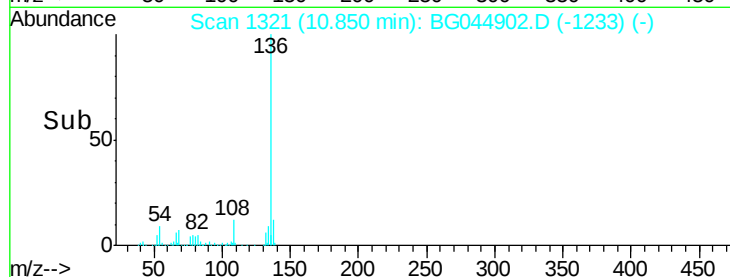
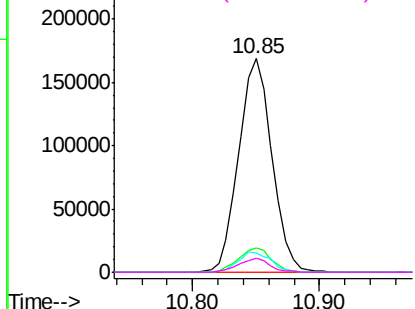
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044902.D
Acq: 19 Mar 2020 18:16

Instrument :
BNA_G
ClientSampleId :
PB127682BL

Tgt Ion:	136	Resp:	306609
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.6
54	8.8	7.9	11.9
68	6.8	5.4	8.0

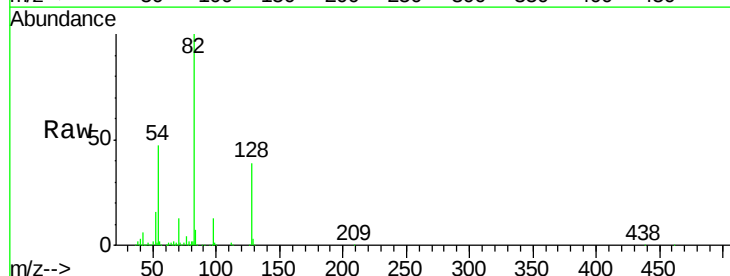


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

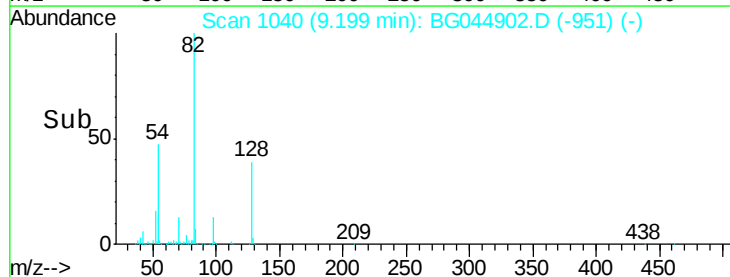
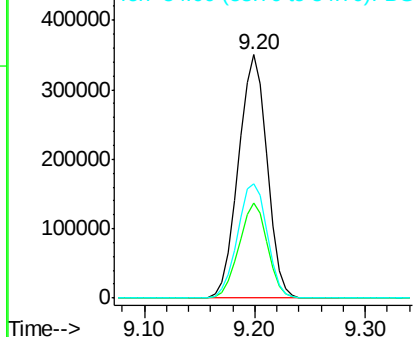


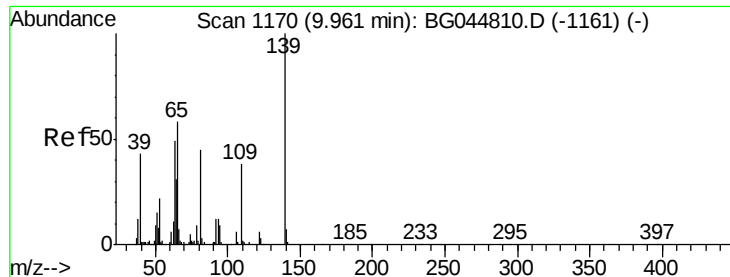
#23
Nitrobenzene-d5
Concen: 91.78 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044902.D
Acq: 19 Mar 2020 18:16

Tgt Ion:	82	Resp:	641255
Ion	Ratio	Lower	Upper
82	100		
128	39.1	30.6	46.0
54	47.1	37.1	55.7



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

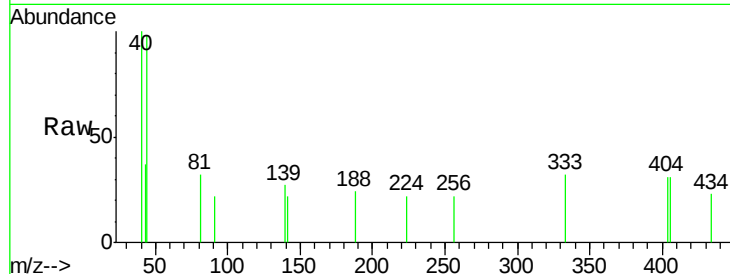




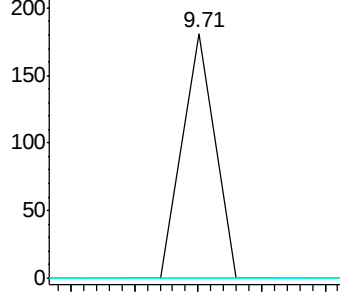
#26
2-Nitrophenol
Concen: 5.54 ng
RT: 9.71 min Scan# 1127
Delta R.T. -0.25 min
Lab File: BG044902.D
Acq: 19 Mar 2020 18:16

Instrument :
BNA_G
ClientSampleId :
PB127682BL

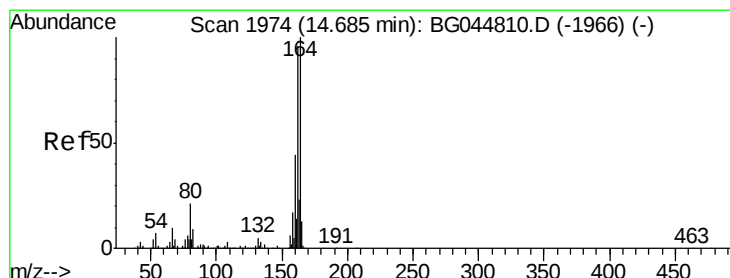
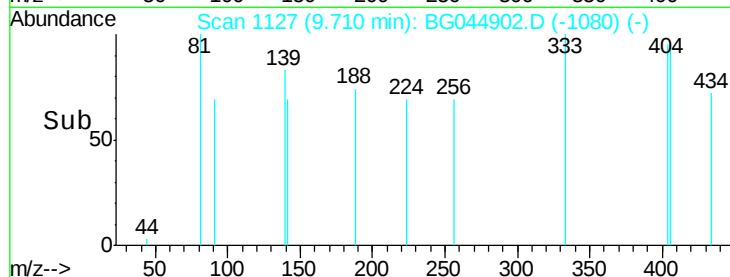
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



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): B

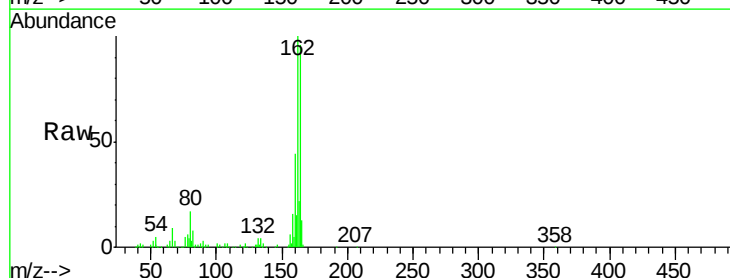


Time-->

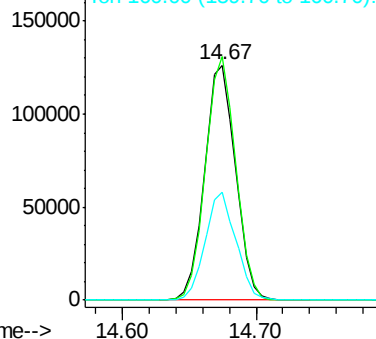


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG044902.D
Acq: 19 Mar 2020 18:16

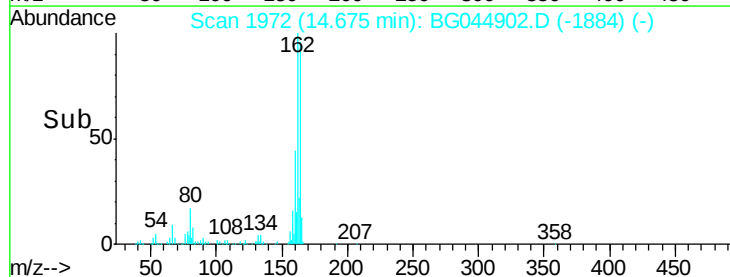
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	76.7	115.1
160	45.7	35.0	52.4

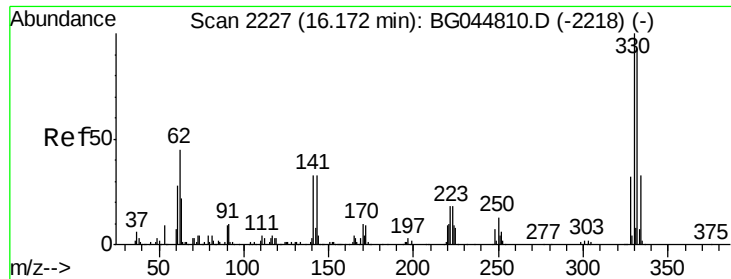


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->





#42

2,4,6-Tribromophenol

Concen: 155.71 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044902.D

Acq: 19 Mar 2020 18:16

Instrument :

BNA_G

ClientSampleId :

PB127682BL

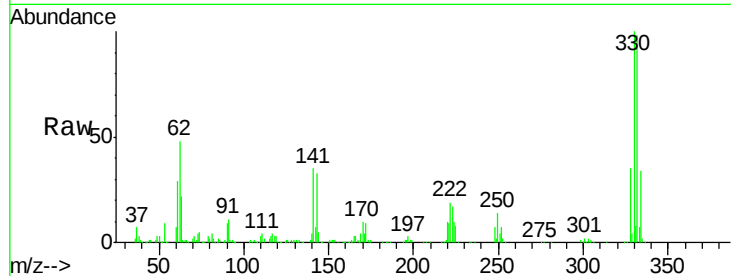
Tgt Ion:330 Resp: 413921

Ion Ratio Lower Upper

330 100

332 96.4 77.8 116.6

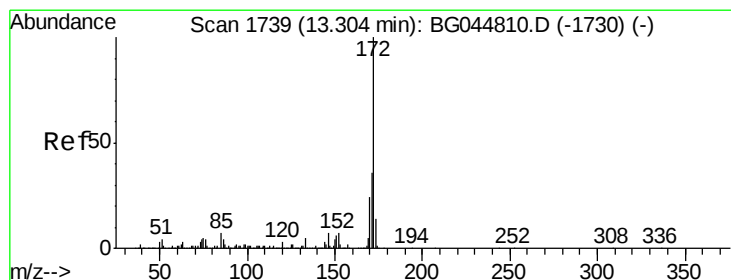
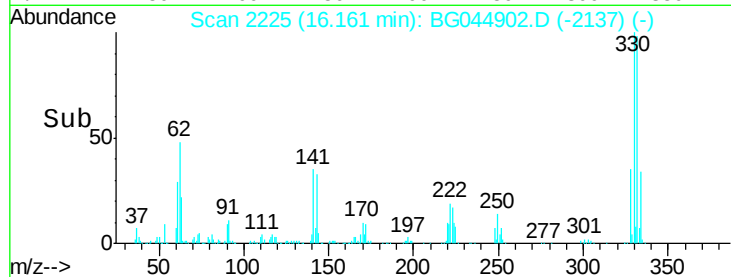
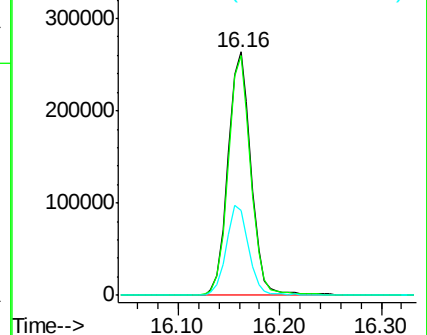
141 36.2 29.5 44.3



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: 93.29 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.00 min

Lab File: BG044902.D

Acq: 19 Mar 2020 18:16

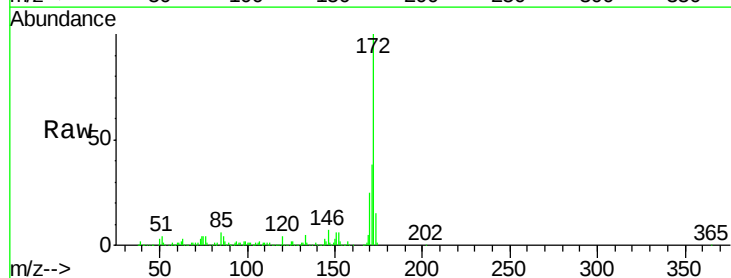
Tgt Ion:172 Resp: 1322522

Ion Ratio Lower Upper

172 100

171 37.9 28.7 43.1

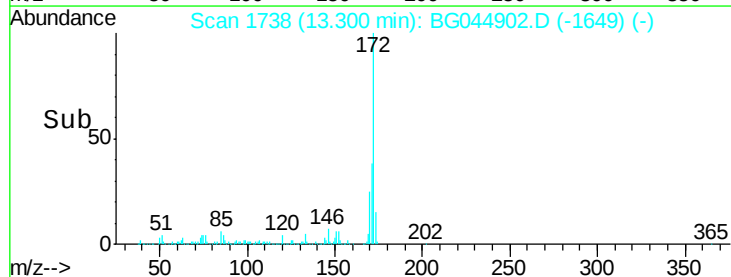
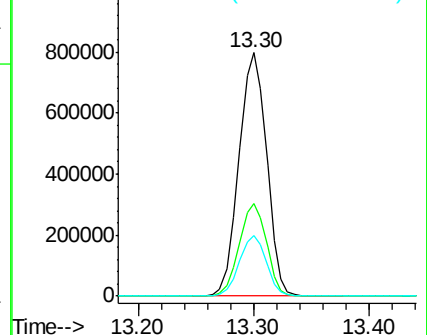
170 24.6 19.0 28.6

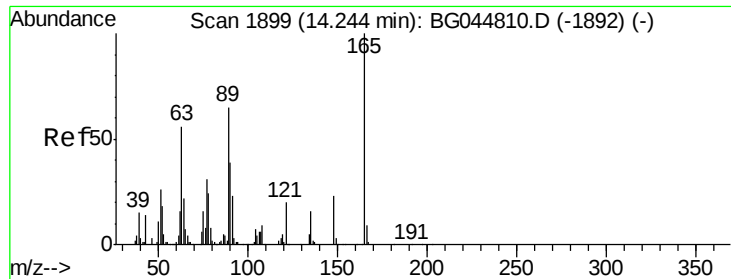


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.16 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.43 min

Lab File: BG044902.D

Acq: 19 Mar 2020 18:16

Instrument :

BNA_G

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PB127682BL

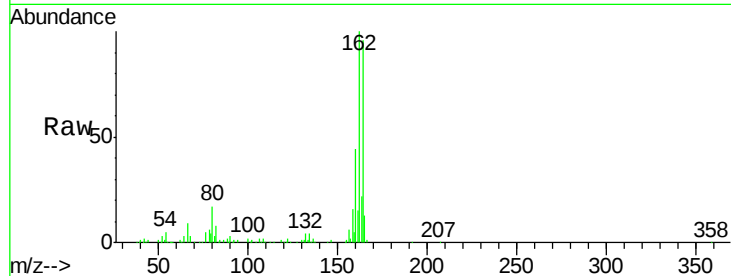
Tgt Ion:165 Resp: 26599

Ion Ratio Lower Upper

165 100

63 2.3 45.8 68.8#

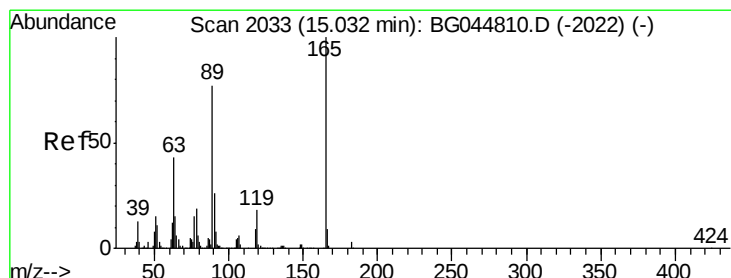
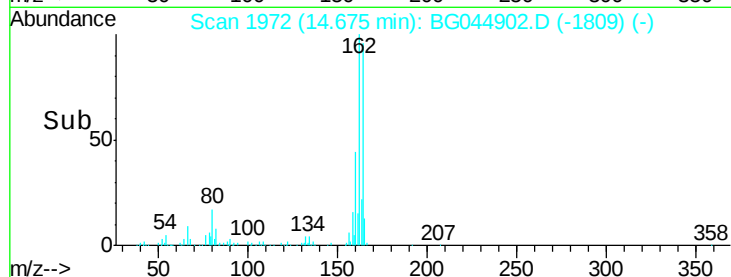
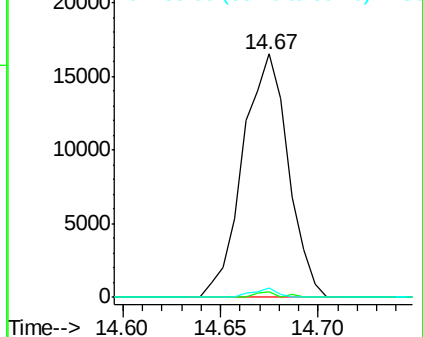
89 3.8 51.8 77.6#



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: 5.95 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG044902.D

Acq: 19 Mar 2020 18:16

Tgt Ion:165 Resp: 26599

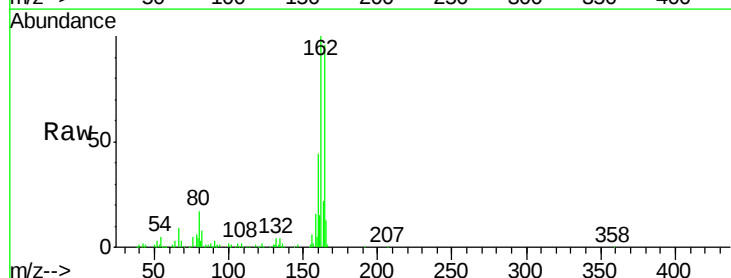
Ion Ratio Lower Upper

165 100

63 2.3 34.6 52.0#

89 3.8 61.3 91.9#

182 0.0 2.2 3.2#

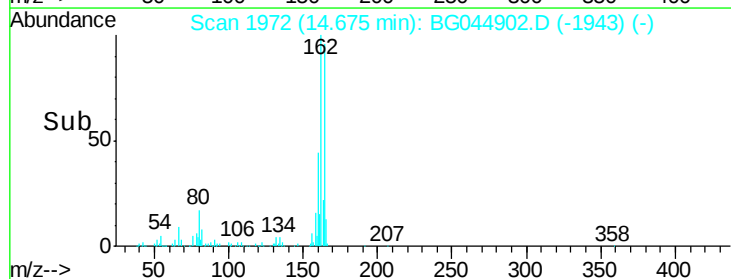
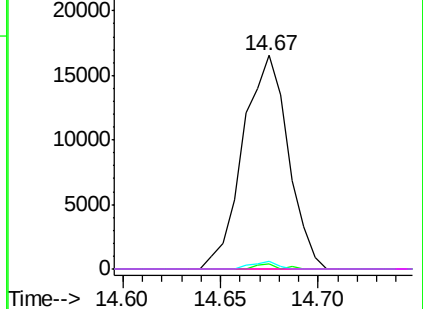


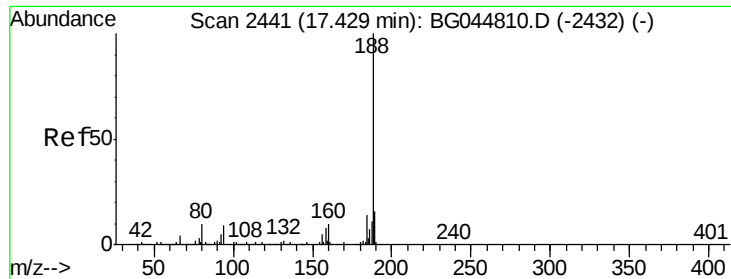
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044902.D

Acq: 19 Mar 2020 18:16

Instrument :

BNA_G

ClientSampleId :

PB127682BL

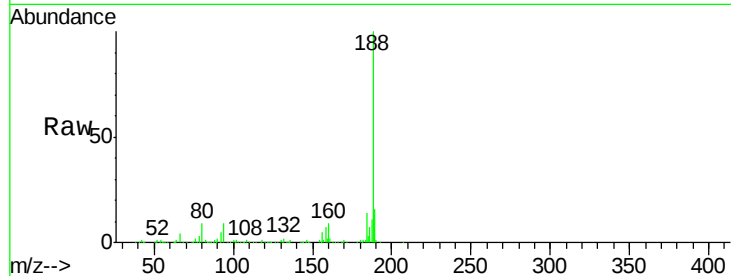
Tgt Ion:188 Resp: 473616

Ion Ratio Lower Upper

188 100

94 8.6 7.3 10.9

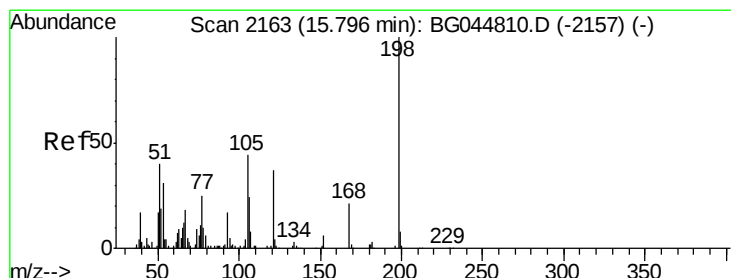
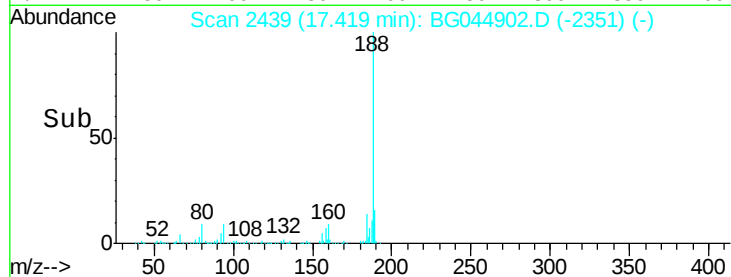
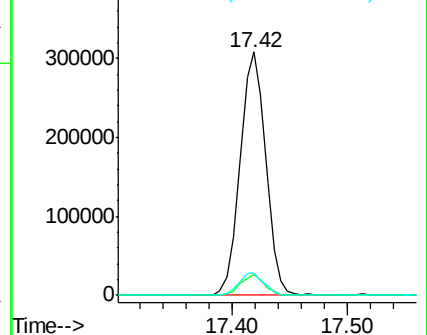
80 8.9 8.0 12.0



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: 7.75 ng

RT: 15.75 min Scan# 2155

Delta R.T. -0.05 min

Lab File: BG044902.D

Acq: 19 Mar 2020 18:16

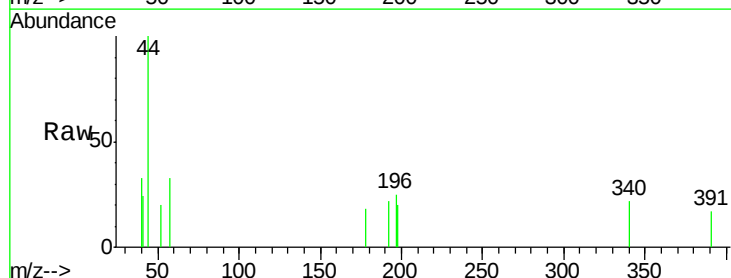
Tgt Ion:198 Resp: 65

Ion Ratio Lower Upper

198 100

51 100.0 21.1 61.1#

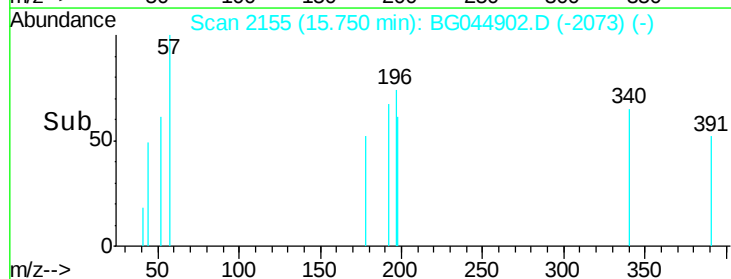
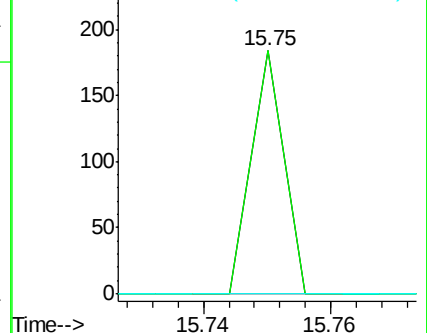
105 0.0 24.5 64.5#

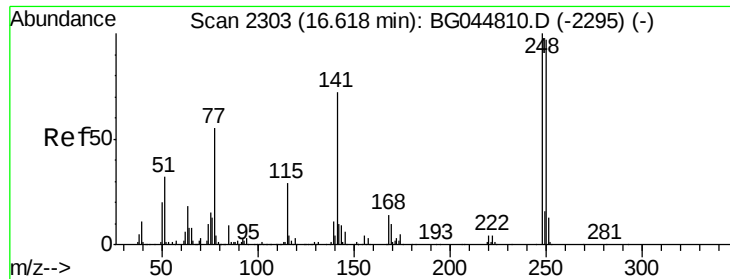


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

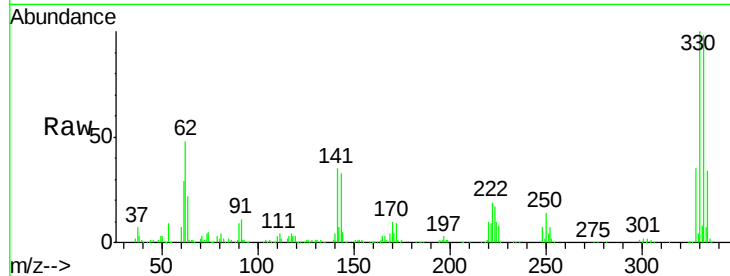




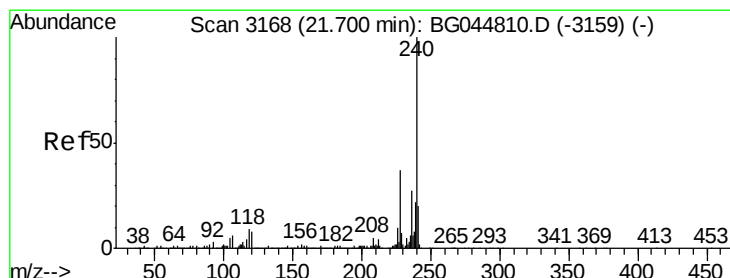
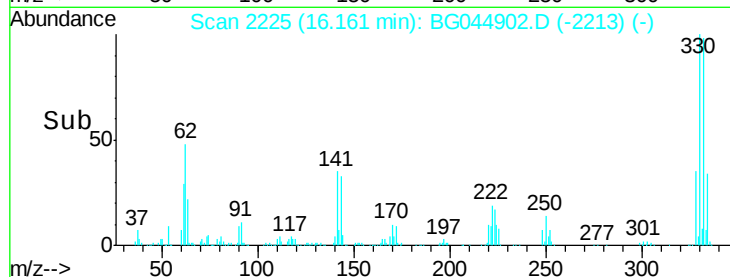
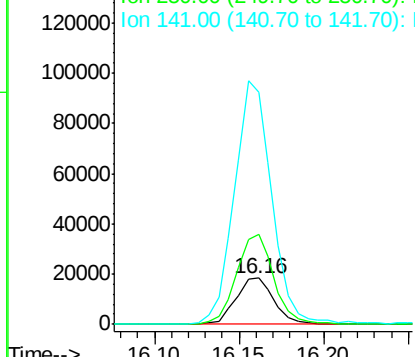
#67
 4-Bromophenyl-phenylether
 Concen: 4.81 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044902.D
 Acq: 19 Mar 2020 18:16

Instrument :
 BNA_G
 ClientSampleId :
 PB127682BL

Tgt Ion:248 Resp: 28492
 Ion Ratio Lower Upper
 248 100
 250 194.1 77.9 116.9#
 141 500.3 57.5 86.3#

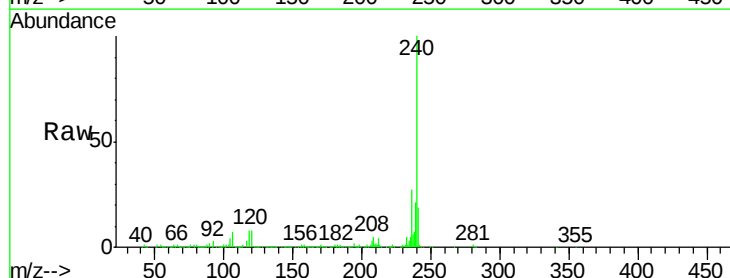


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

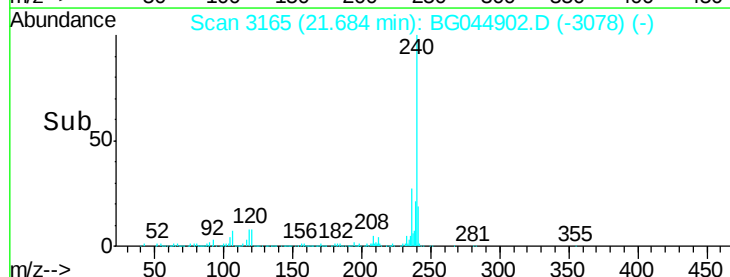
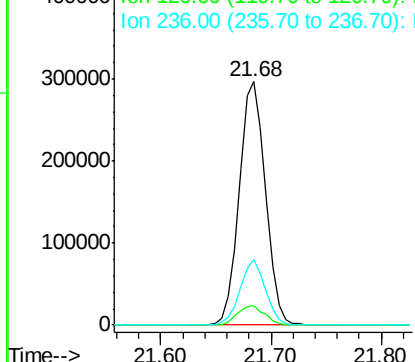


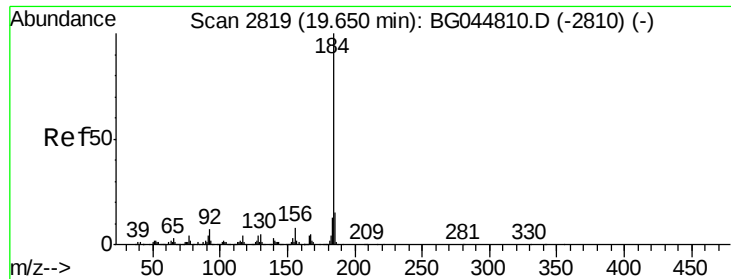
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044902.D
 Acq: 19 Mar 2020 18:16

Tgt Ion:240 Resp: 496597
 Ion Ratio Lower Upper
 240 100
 120 8.1 6.7 10.1
 236 27.0 21.5 32.3



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: 2.87 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044902.D

Acq: 19 Mar 2020 18:16

Instrument :

BNA_G

ClientSampleId :

PB127682BL

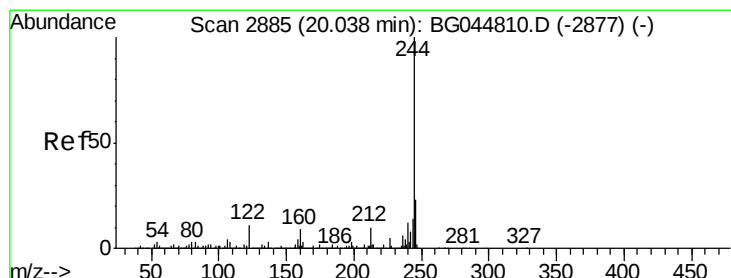
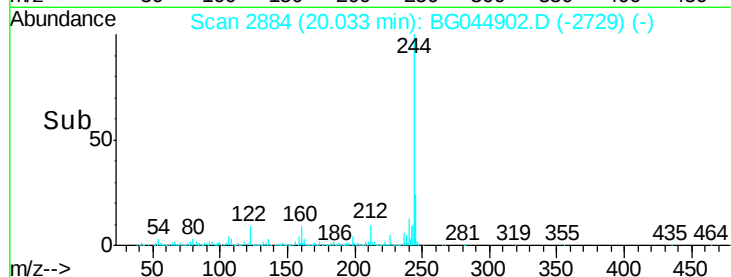
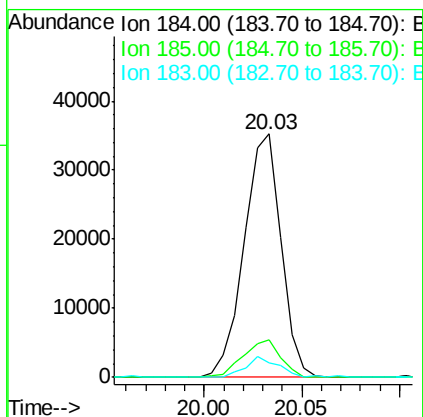
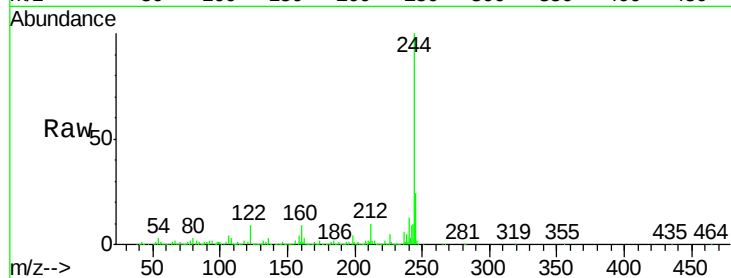
Tgt Ion:184 Resp: 46276

Ion Ratio Lower Upper

184 100

185 15.4 12.2 18.4

183 5.9 10.7 16.1#



#79

Terphenyl-d14

Concen: 87.97 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044902.D

Acq: 19 Mar 2020 18:16

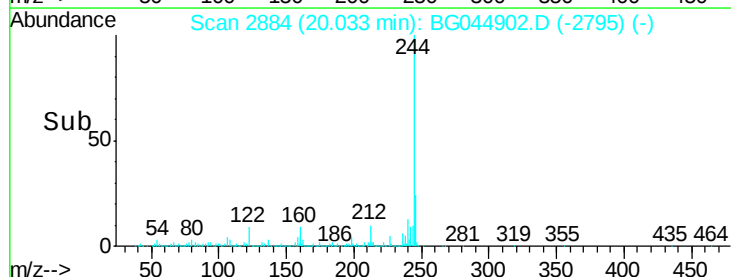
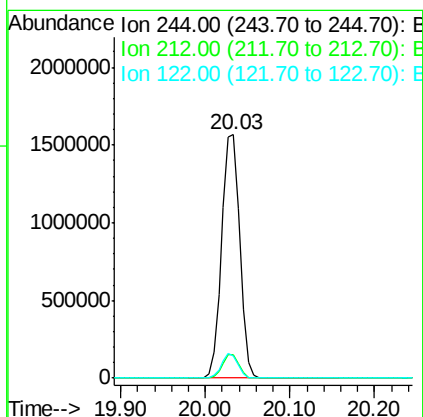
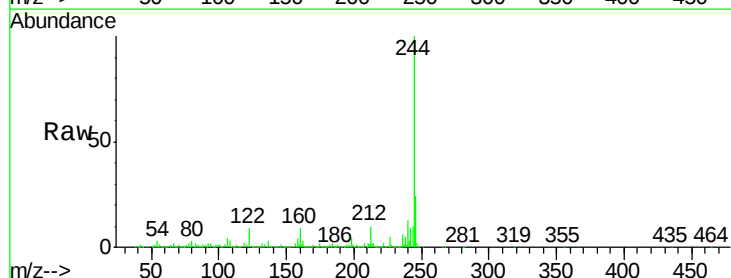
Tgt Ion:244 Resp: 2335535

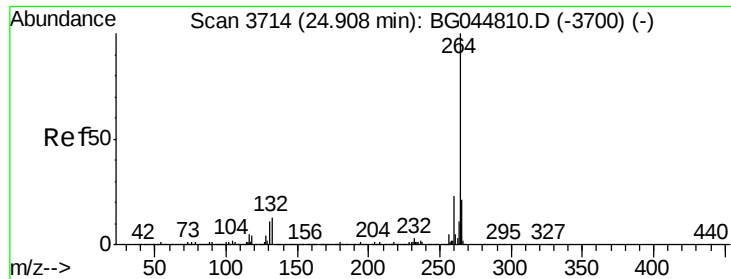
Ion Ratio Lower Upper

244 100

212 9.8 7.7 11.5

122 9.3 8.6 12.8





#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044902.D
Acq: 19 Mar 2020 18:16

Instrument :
BNA_G
ClientSampleId :
PB127682BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.1	27.1
265	21.8	17.1	25.7

