

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031820\
 Data File : BG044872.D
 Acq On : 18 Mar 2020 20:30
 Operator : CG/JU
 Sample : PB127599BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB127599BL

Quant Time: Mar 19 01:43:12 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	8.04	152	79021	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	291378	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	195843	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	455727	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	534652	20.00	ng	-0.02
87) Perylene-d12	24.89	264	548107	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	620814	122.30	ng	0.00
7) Phenol-d6	7.20	99	855269	115.96	ng	0.00
23) Nitrobenzene-d5	9.20	82	562100	84.65	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	355839	138.77	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1191934	87.16	ng	0.00
79) Terphenyl-d14	20.03	244	2179626	76.26	ng	0.00

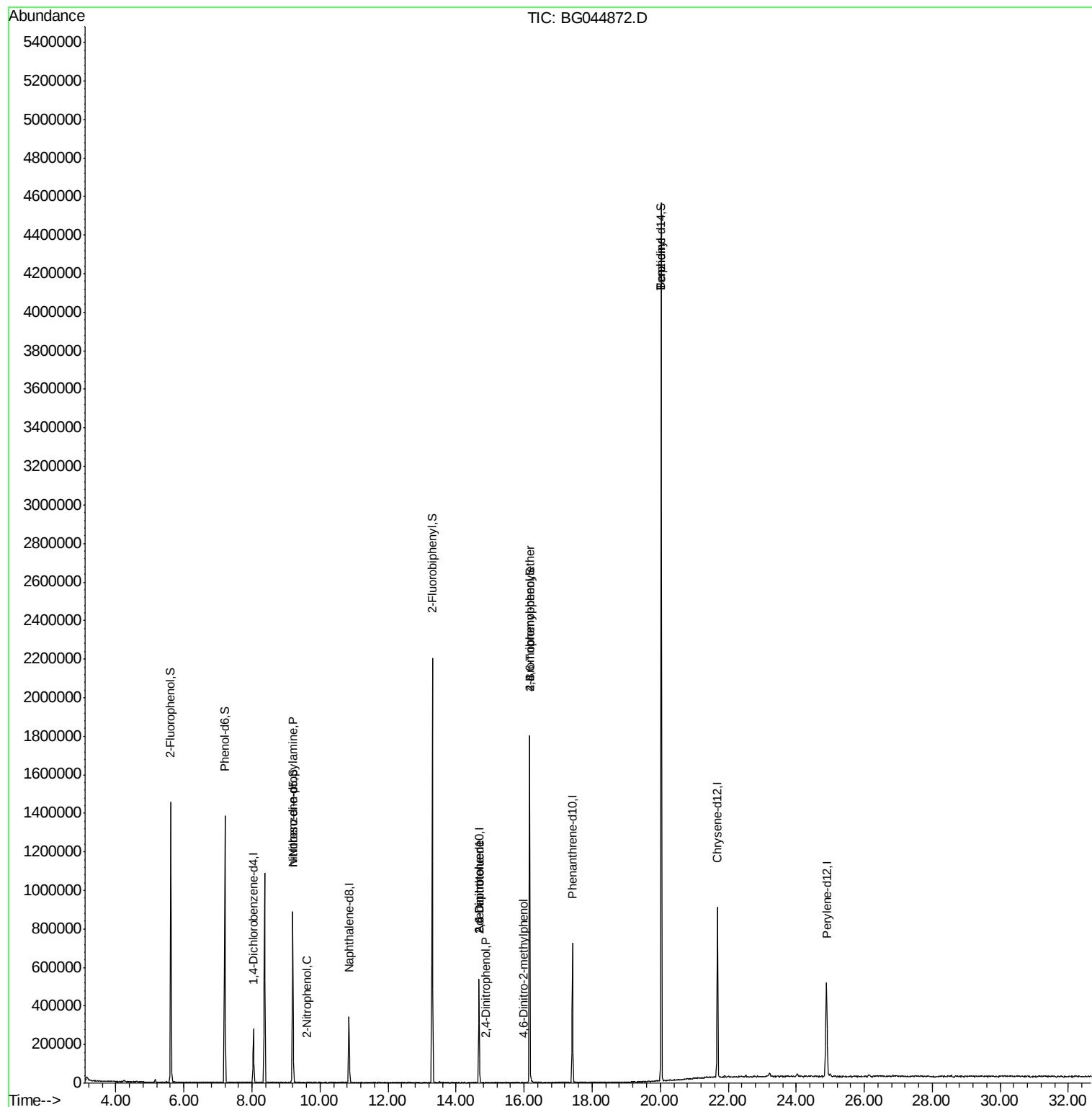
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	1662	Below Cal	#	17
19) n-Nitroso-di-n-propylamine	9.20	70	74839	14.37	ng	# 74
26) 2-Nitrophenol	9.61	139	58	5.54	ng	# 28
51) 2,6-Dinitrotoluene	14.67	165	26615	8.47	ng	# 21
54) 2,4-Dinitrophenol	14.88	184	54	8.35	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	26615	6.17	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.99	198	65	7.75	ng	# 33
67) 4-Bromophenyl-phenylether	16.16	248	24683	4.33	ng	# 1
77) Benzidine	20.03	184	41366	2.38	ng	# 90

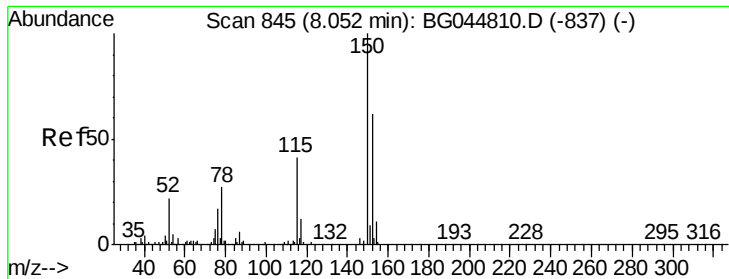
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG044872.D

Acq: 18 Mar 2020 20:30

Instrument :

BNA_G

ClientSampleId :

PB127599BL

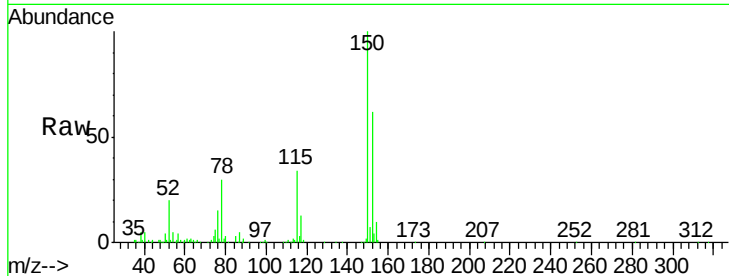
Tgt Ion:152 Resp: 79021

Ion Ratio Lower Upper

152 100

150 162.2 128.8 193.2

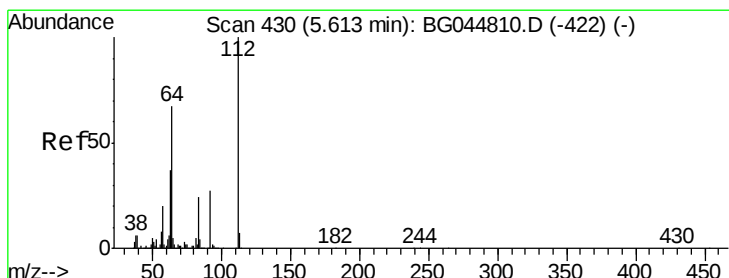
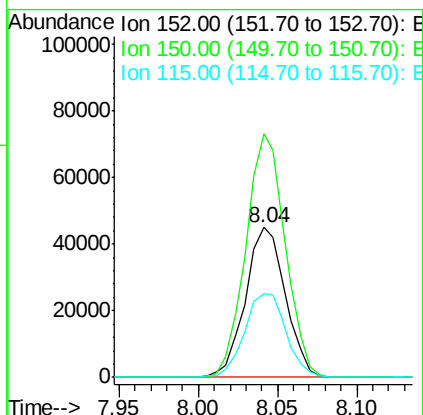
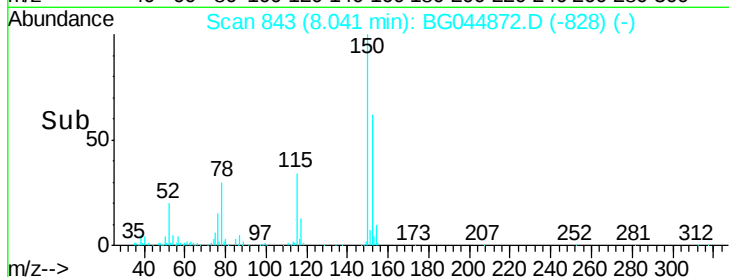
115 55.3 52.6 79.0



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: 122.30 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044872.D

Acq: 18 Mar 2020 20:30

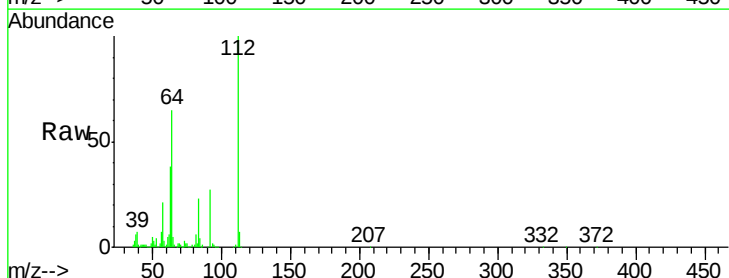
Tgt Ion:112 Resp: 620814

Ion Ratio Lower Upper

112 100

64 65.3 53.4 80.2

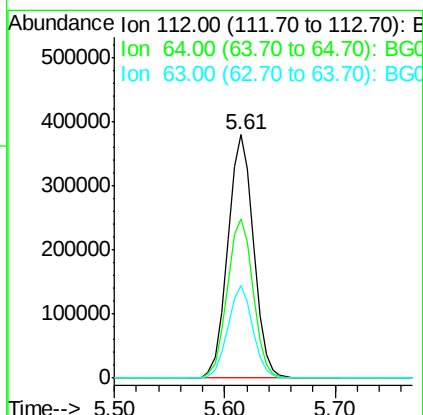
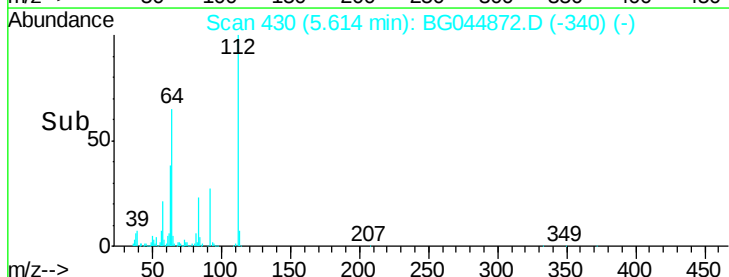
63 38.0 29.4 44.2

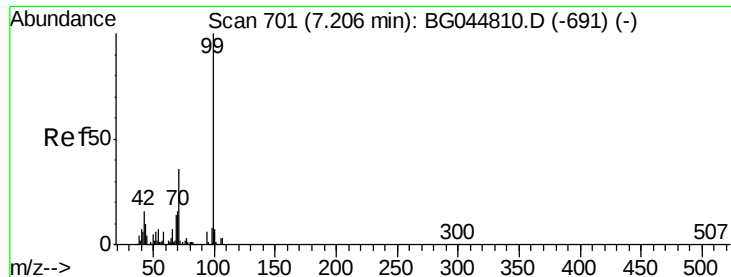


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 115.96 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044872.D

Acq: 18 Mar 2020 20:30

Instrument :

BNA_G

ClientSampleId :

PB127599BL

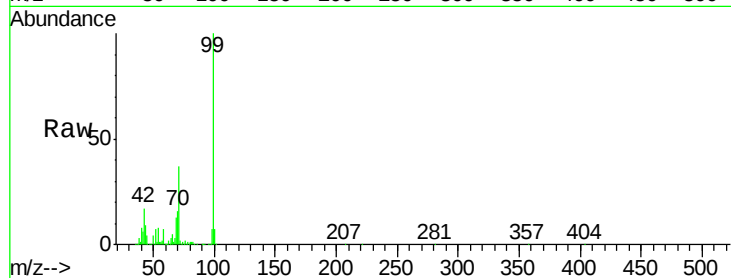
Tgt Ion: 99 Resp: 855269

Ion Ratio Lower Upper

99 100

42 17.0 12.6 19.0

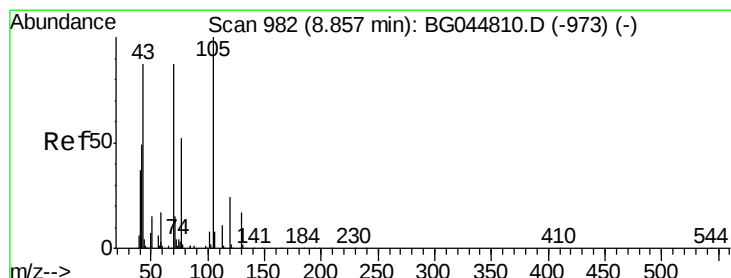
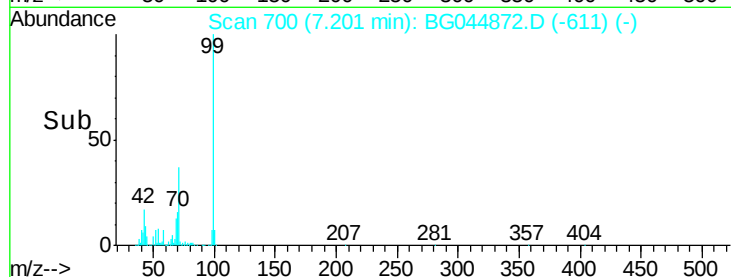
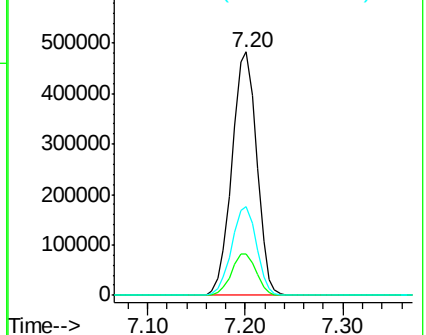
71 36.7 29.0 43.4



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: 14.37 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044872.D

Acq: 18 Mar 2020 20:30

Tgt Ion: 70 Resp: 74839

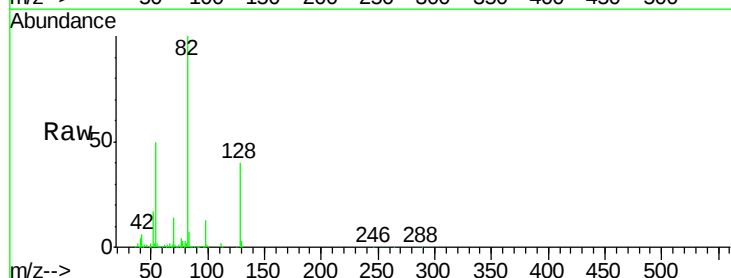
Ion Ratio Lower Upper

70 100

42 40.5 45.7 68.5#

101 0.0 7.4 11.2#

130 2.9 15.9 23.9#

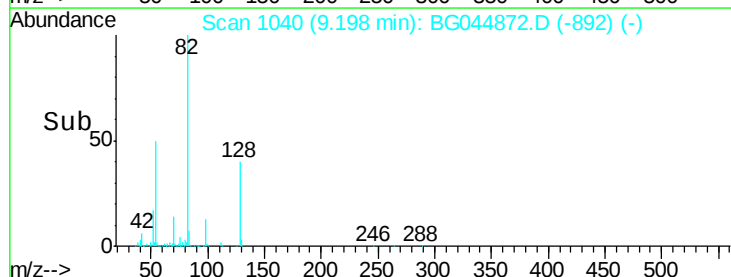
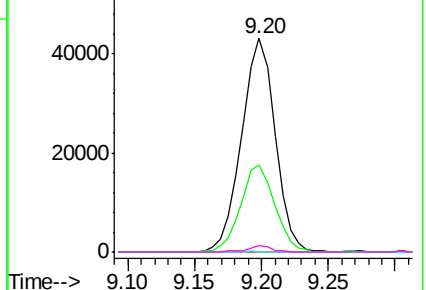


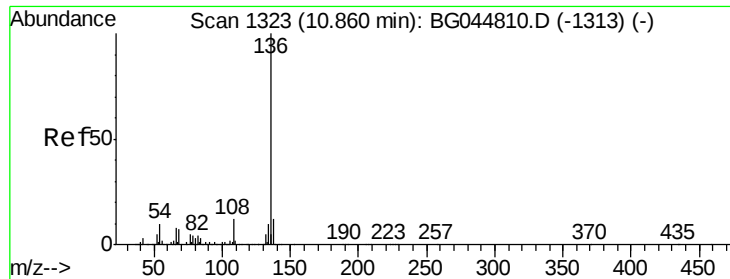
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

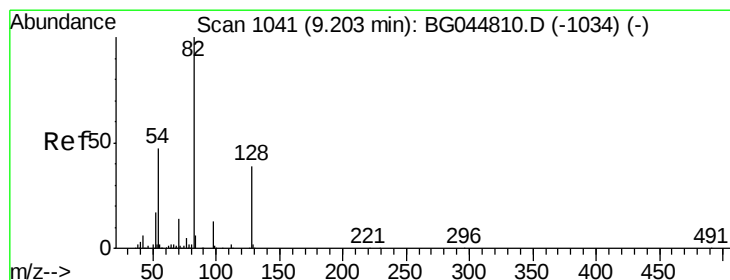
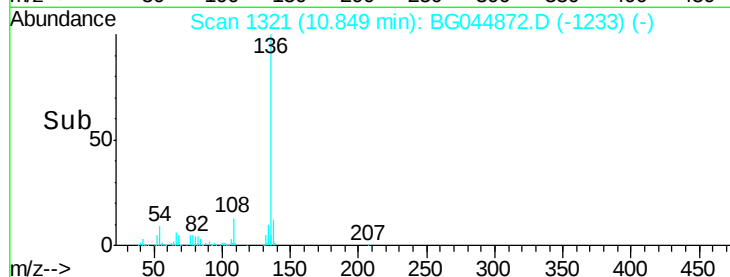
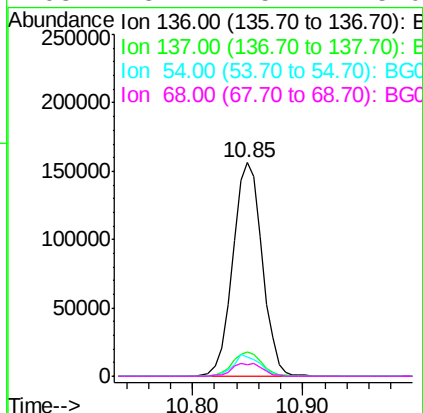
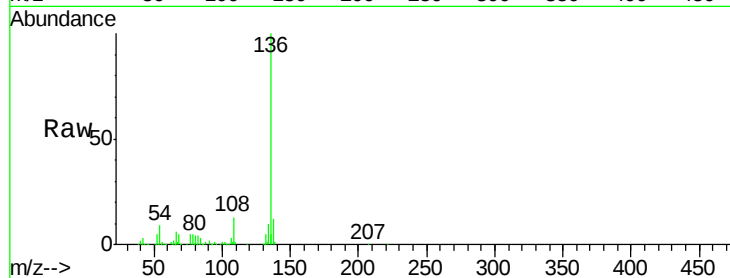




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044872.D
Acq: 18 Mar 2020 20:30

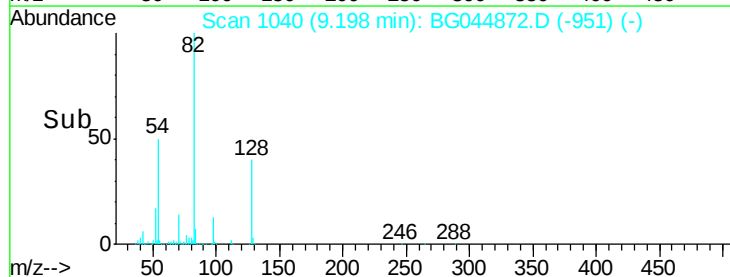
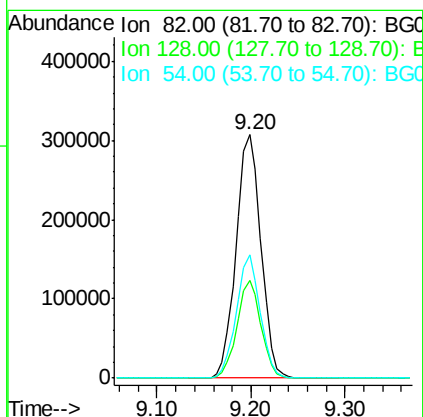
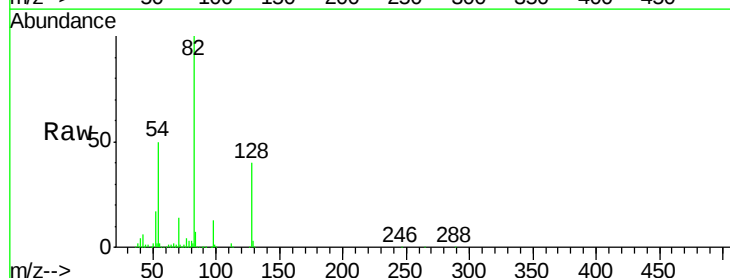
Instrument :
BNA_G
ClientSampleId :
PB127599BL

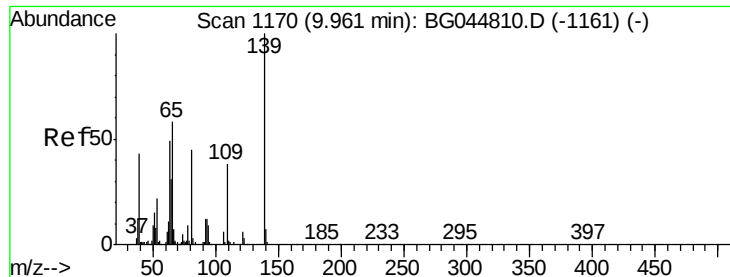
Tgt Ion:	136	Resp:	291378
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.6
54	8.8	7.9	11.9
68	5.4	5.4	8.0



#23
Nitrobenzene-d5
Concen: 84.65 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044872.D
Acq: 18 Mar 2020 20:30

Tgt Ion:	82	Resp:	562100
Ion	Ratio	Lower	Upper
82	100		
128	40.1	30.6	46.0
54	50.4	37.1	55.7

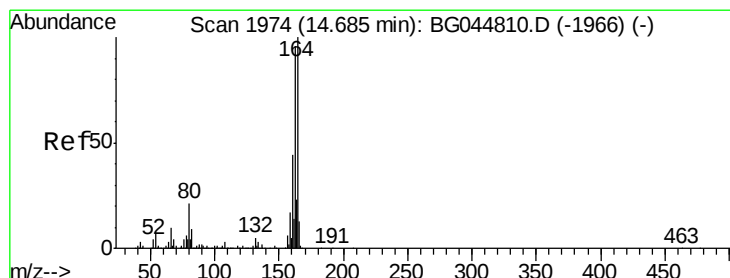
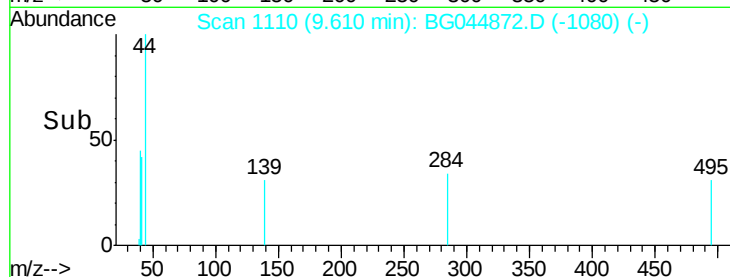
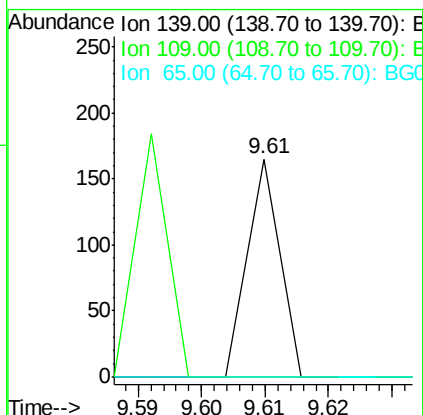
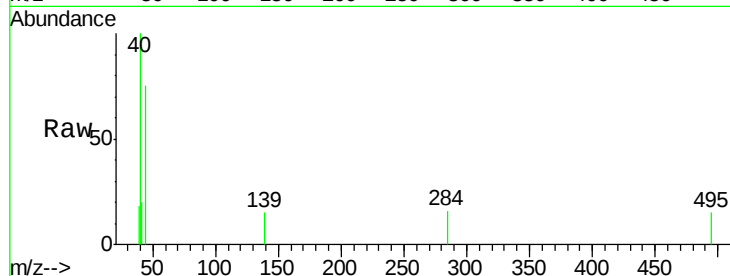




#26
2-Nitrophenol
Concen: 5.54 ng
RT: 9.61 min Scan# 1110
Delta R.T. -0.35 min
Lab File: BG044872.D
Acq: 18 Mar 2020 20:30

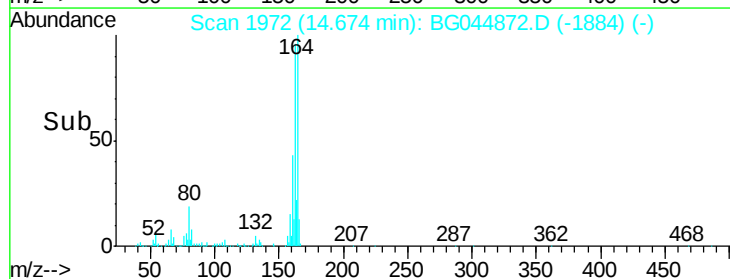
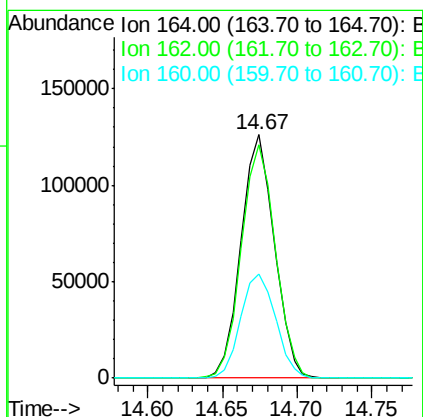
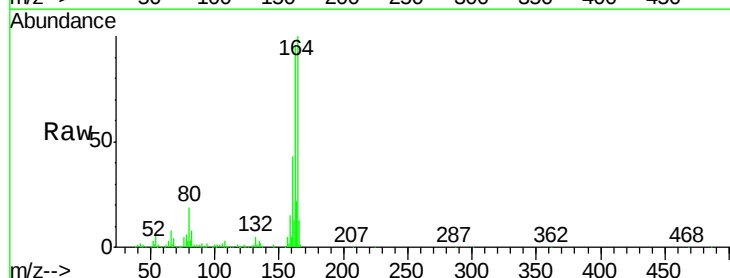
Instrument :
BNA_G
ClientSampleId :
PB127599BL

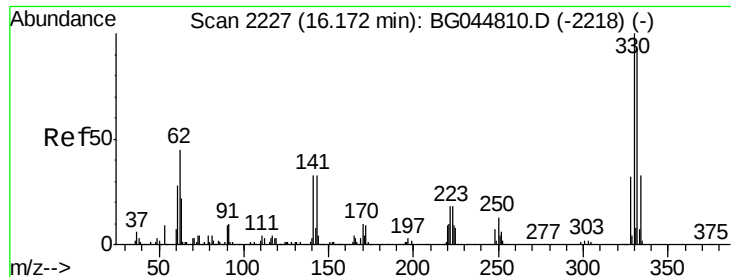
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG044872.D
Acq: 18 Mar 2020 20:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.0	76.7	115.1
160	43.0	35.0	52.4





#42

2,4,6-Tribromophenol

Concen: 138.77 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044872.D

Acq: 18 Mar 2020 20:30

Instrument :

BNA_G

ClientSampleId :

PB127599BL

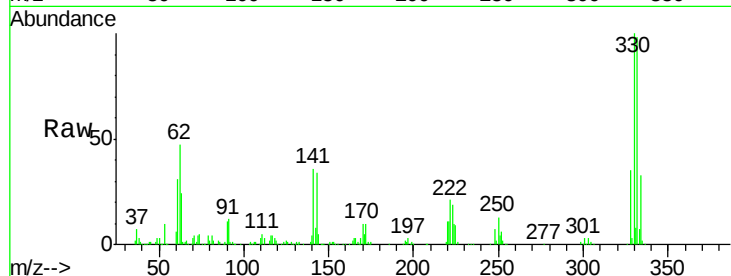
Tgt Ion:330 Resp: 355839

Ion Ratio Lower Upper

330 100

332 96.9 77.8 116.6

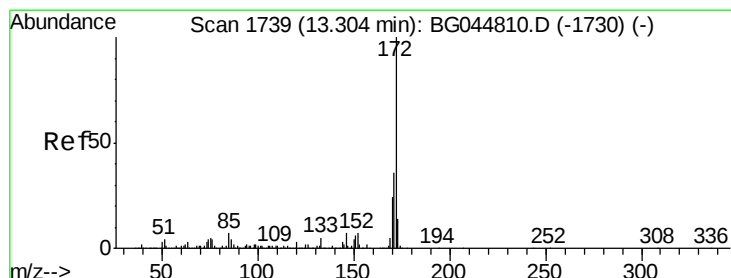
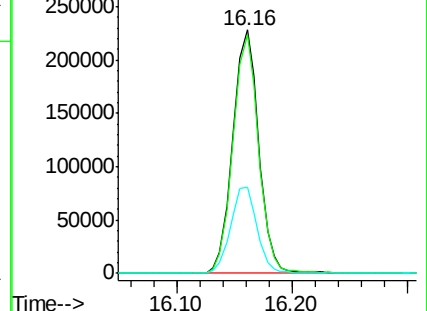
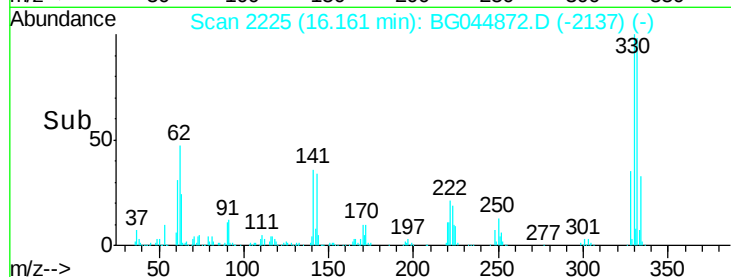
141 36.2 29.5 44.3



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: 87.16 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.00 min

Lab File: BG044872.D

Acq: 18 Mar 2020 20:30

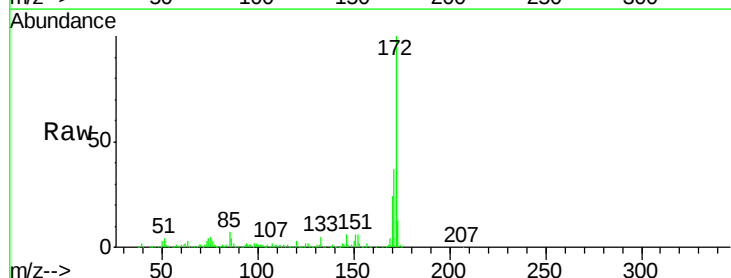
Tgt Ion:172 Resp: 1191934

Ion Ratio Lower Upper

172 100

171 36.6 28.7 43.1

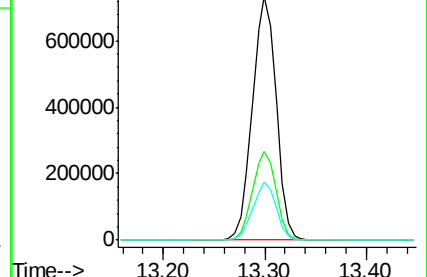
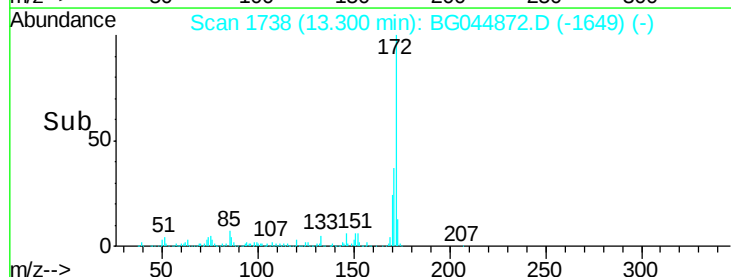
170 24.0 19.0 28.6

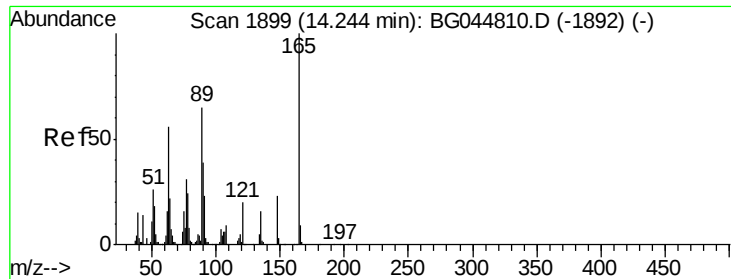


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.47 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.43 min

Lab File: BG044872.D

Acq: 18 Mar 2020 20:30

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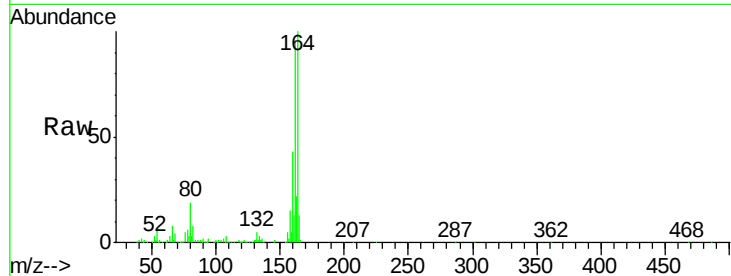
Tgt Ion:165 Resp: 26615

Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

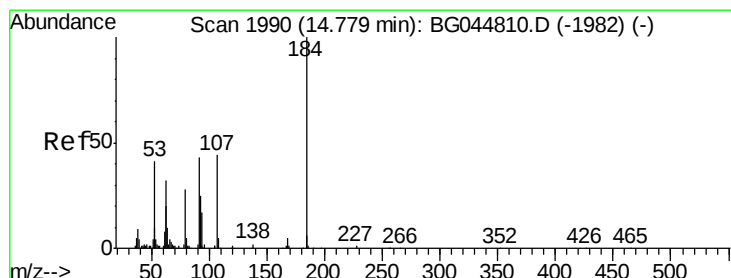
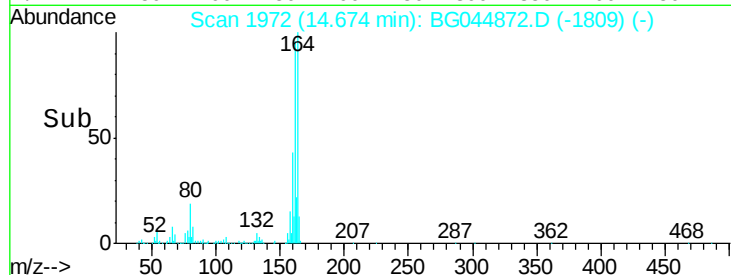
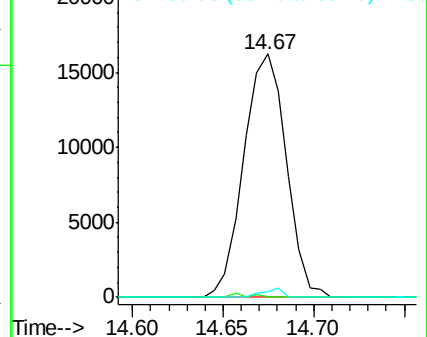
89 2.2 51.8 77.6#



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



#54

2,4-Dinitrophenol

Concen: 8.35 ng

RT: 14.88 min Scan# 2007

Delta R.T. 0.10 min

Lab File: BG044872.D

Acq: 18 Mar 2020 20:30

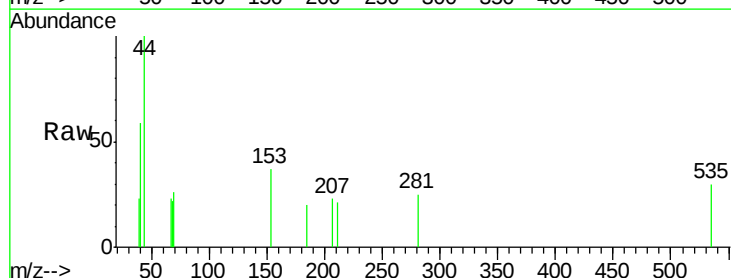
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 45.5 68.3#

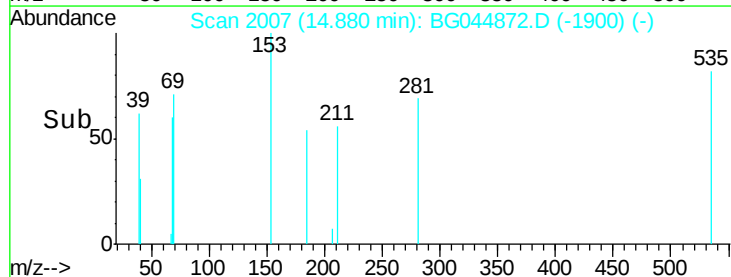
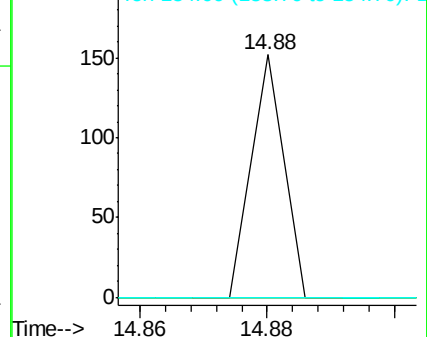
154 0.0 49.1 73.7#

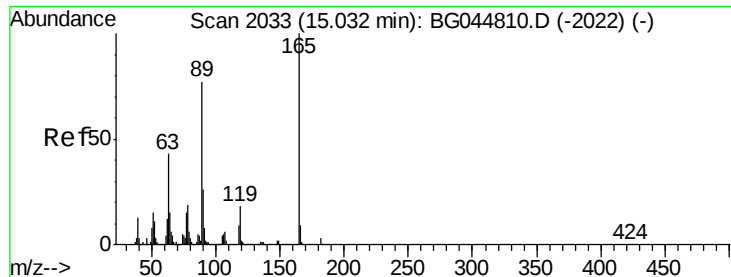


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

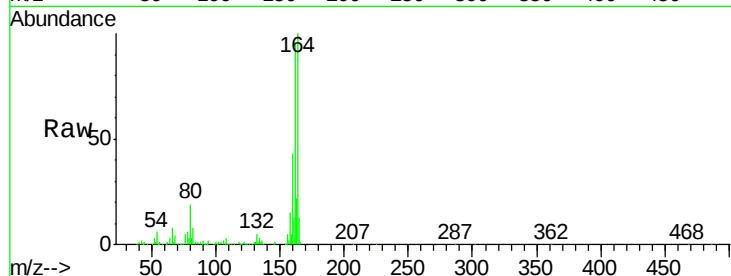




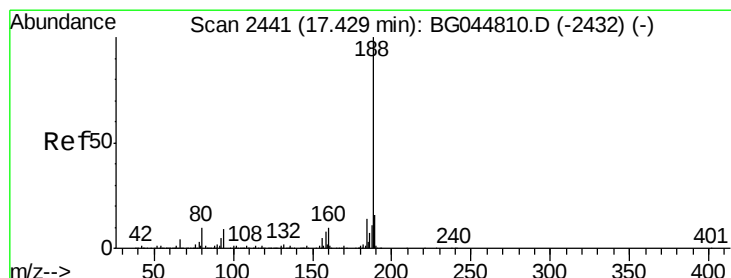
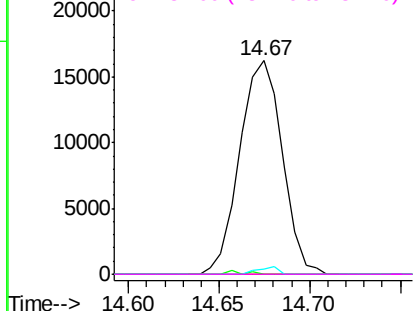
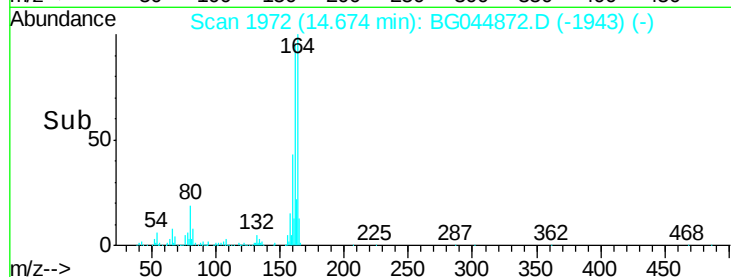
#57
2,4-Dinitrotoluene
Concen: 6.17 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044872.D
Acq: 18 Mar 2020 20:30

Instrument :
BNA_G
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PB127599BL

Tgt Ion:165 Resp: 26615
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 2.2 61.3 91.9#
182 0.0 2.2 3.2#

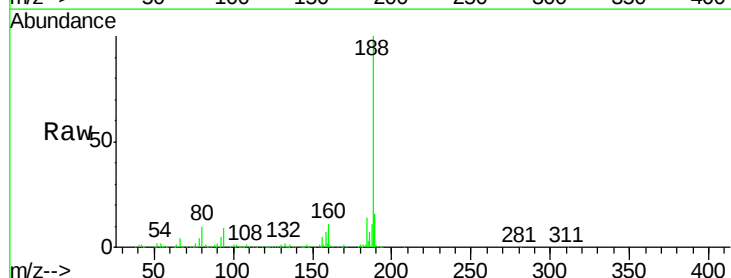


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

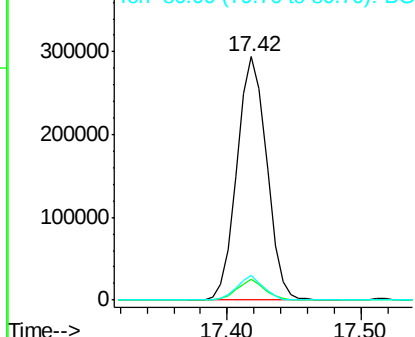
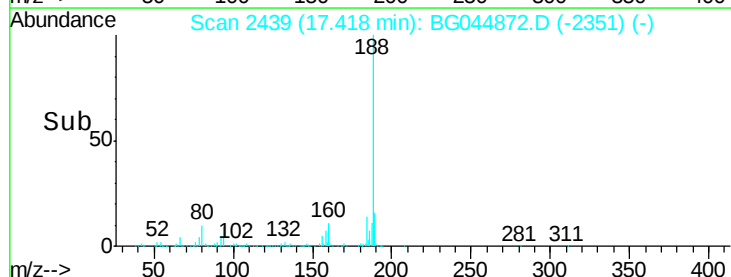


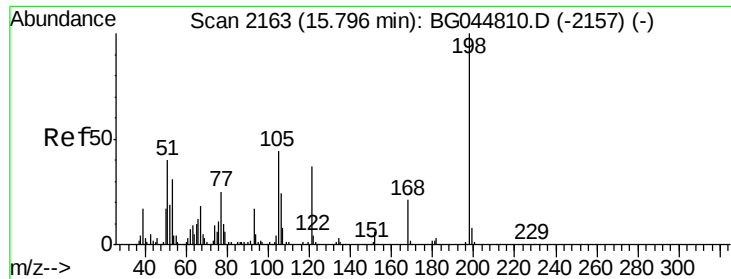
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BG044872.D
Acq: 18 Mar 2020 20:30

Tgt Ion:188 Resp: 455727
Ion Ratio Lower Upper
188 100
94 8.7 7.3 10.9
80 10.2 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

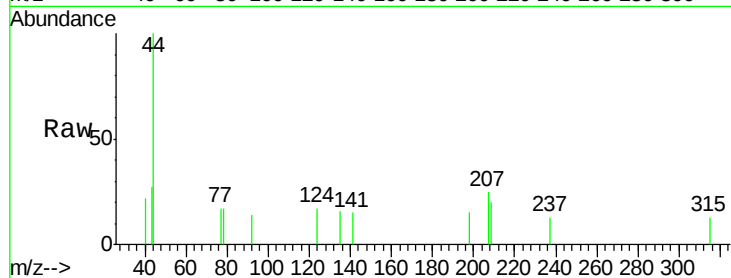




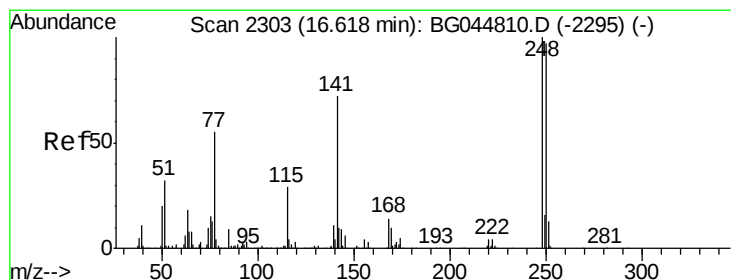
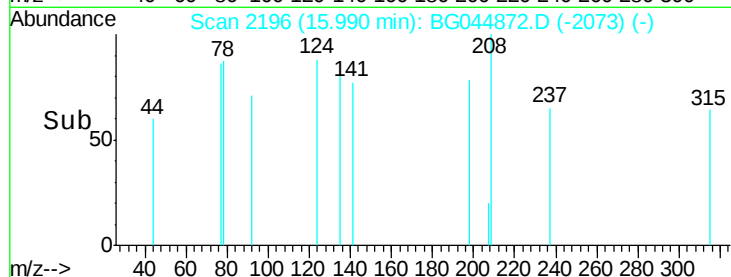
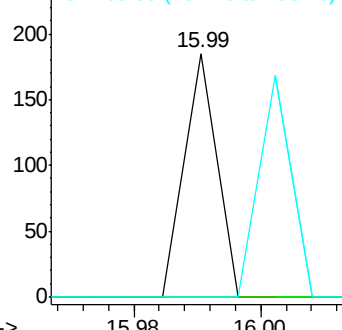
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.75 ng
 RT: 15.99 min Scan# 2196
 Delta R.T. 0.19 min
 Lab File: BG044872.D
 Acq: 18 Mar 2020 20:30

Instrument :
 BNA_G
 ClientSampleId :
 PB127599BL

Tgt Ion:198 Resp: 65
 Ion Ratio Lower Upper
 198 100
 51 0.0 21.1 61.1#
 105 0.0 24.5 64.5#

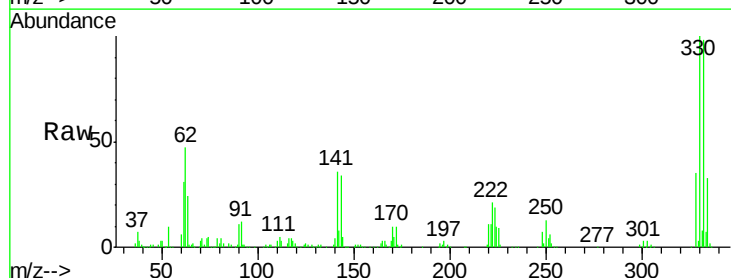


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

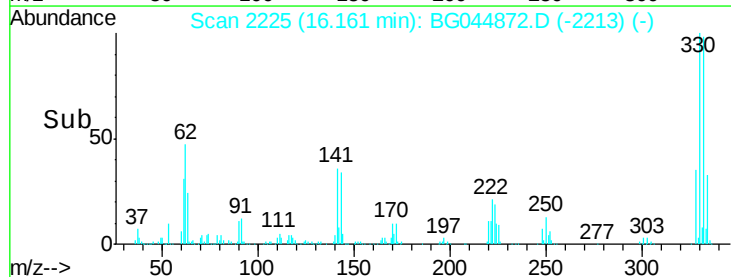
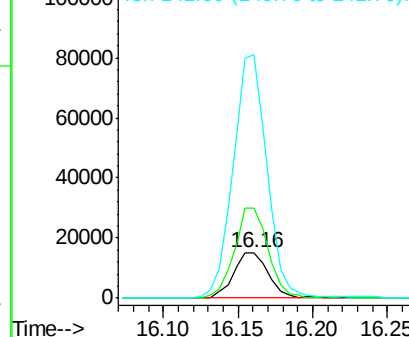


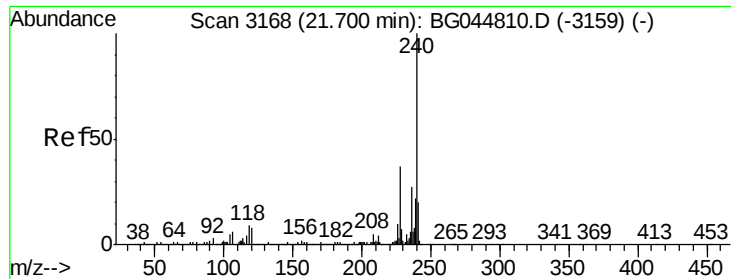
#67
 4-Bromophenyl-phenylether
 Concen: 4.33 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044872.D
 Acq: 18 Mar 2020 20:30

Tgt Ion:248 Resp: 24683
 Ion Ratio Lower Upper
 248 100
 250 197.0 77.9 116.9#
 141 534.2 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

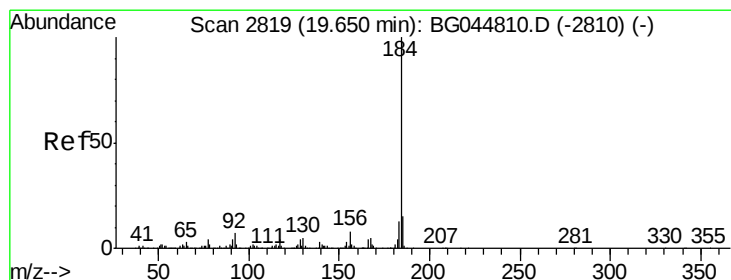
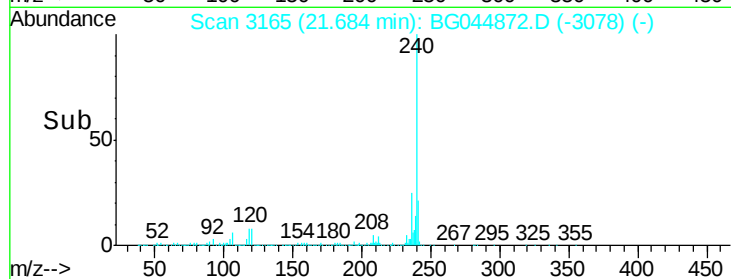
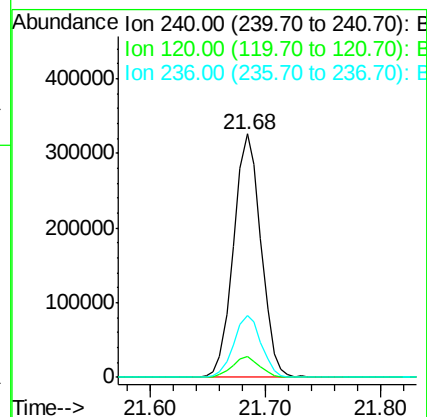
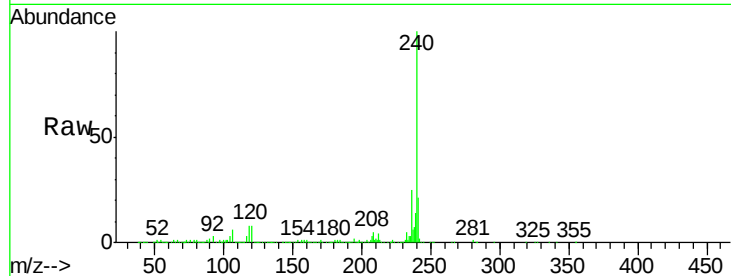




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044872.D
Acq: 18 Mar 2020 20:30

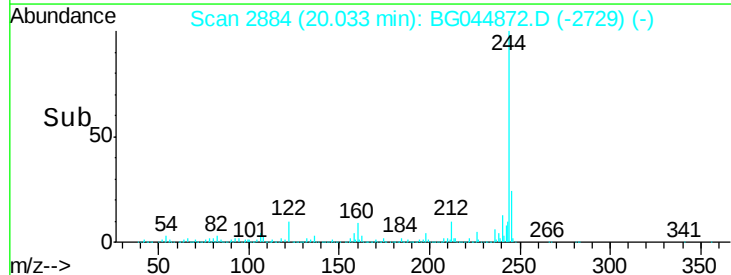
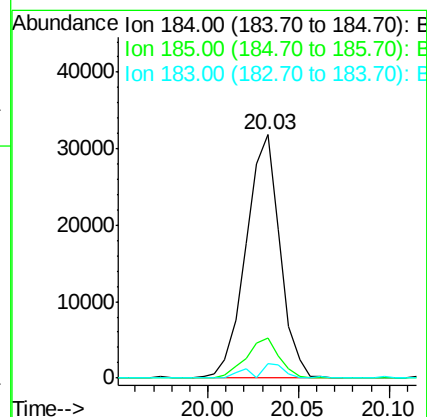
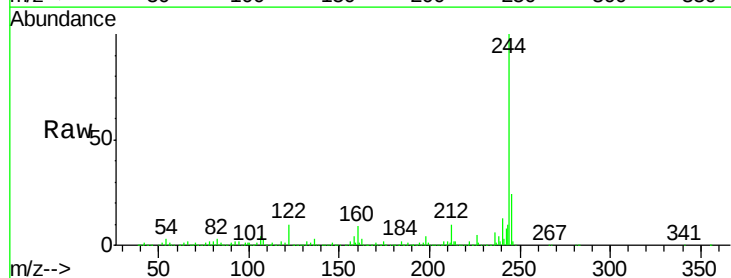
Instrument :
BNA_G
ClientSampleId :
PB127599BL

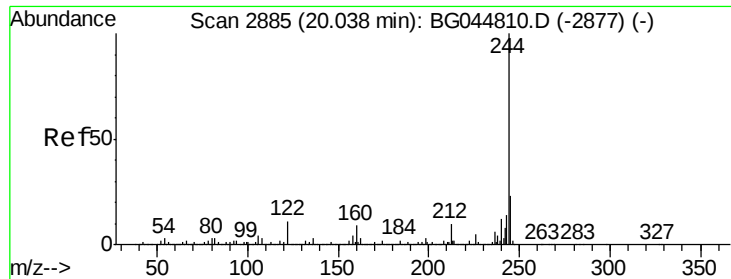
Tgt Ion:240 Resp: 534652
Ion Ratio Lower Upper
240 100
120 8.4 6.7 10.1
236 25.4 21.5 32.3



#77
Benzidine
Concen: 2.38 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.38 min
Lab File: BG044872.D
Acq: 18 Mar 2020 20:30

Tgt Ion:184 Resp: 41366
Ion Ratio Lower Upper
184 100
185 16.6 12.2 18.4
183 6.2 10.7 16.1#





#79

Terphenyl-d14

Concen: 76.26 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044872.D

Acq: 18 Mar 2020 20:30

Instrument :

BNA_G

ClientSampleId :

PB127599BL

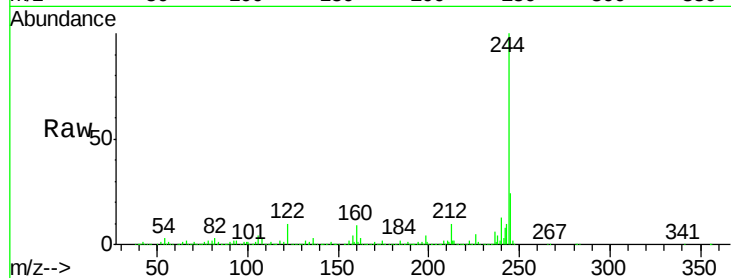
Tgt Ion:244 Resp: 2179626

Ion Ratio Lower Upper

244 100

212 9.8 7.7 11.5

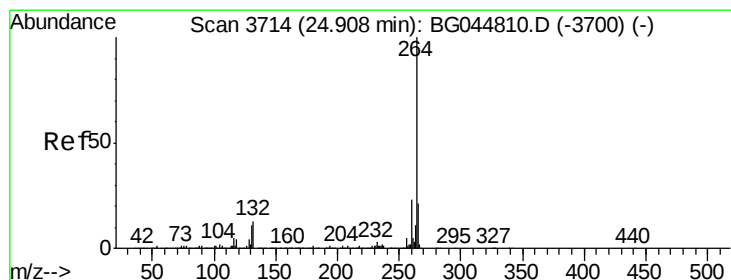
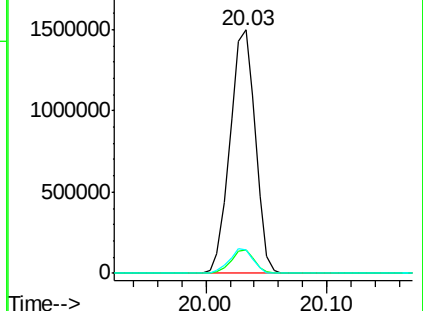
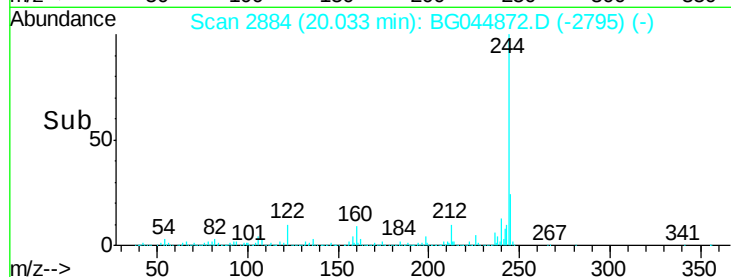
122 9.8 8.6 12.8



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: 24.89 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG044872.D

Acq: 18 Mar 2020 20:30

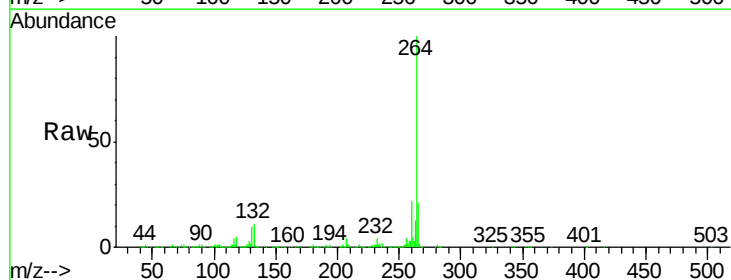
Tgt Ion:264 Resp: 548107

Ion Ratio Lower Upper

264 100

260 22.0 18.1 27.1

265 21.5 17.1 25.7



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

