

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031820\
 Data File : BG044873.D
 Acq On : 18 Mar 2020 21:10
 Operator : CG/JU
 Sample : PB127635BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB127635BL

Quant Time: Mar 19 01:43:22 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	81799	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	295403	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	193886	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	463588	20.00	ng	0.00
76) Chrysene-d12	21.69	240	485259	20.00	ng	-0.01
87) Perylene-d12	24.89	264	510390	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	623378	118.63	ng	0.00
7) Phenol-d6	7.20	99	852564	111.67	ng	0.00
23) Nitrobenzene-d5	9.20	82	557954	82.88	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	348323	137.21	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1173180	86.65	ng	0.00
79) Terphenyl-d14	20.03	244	2026781	78.13	ng	0.00

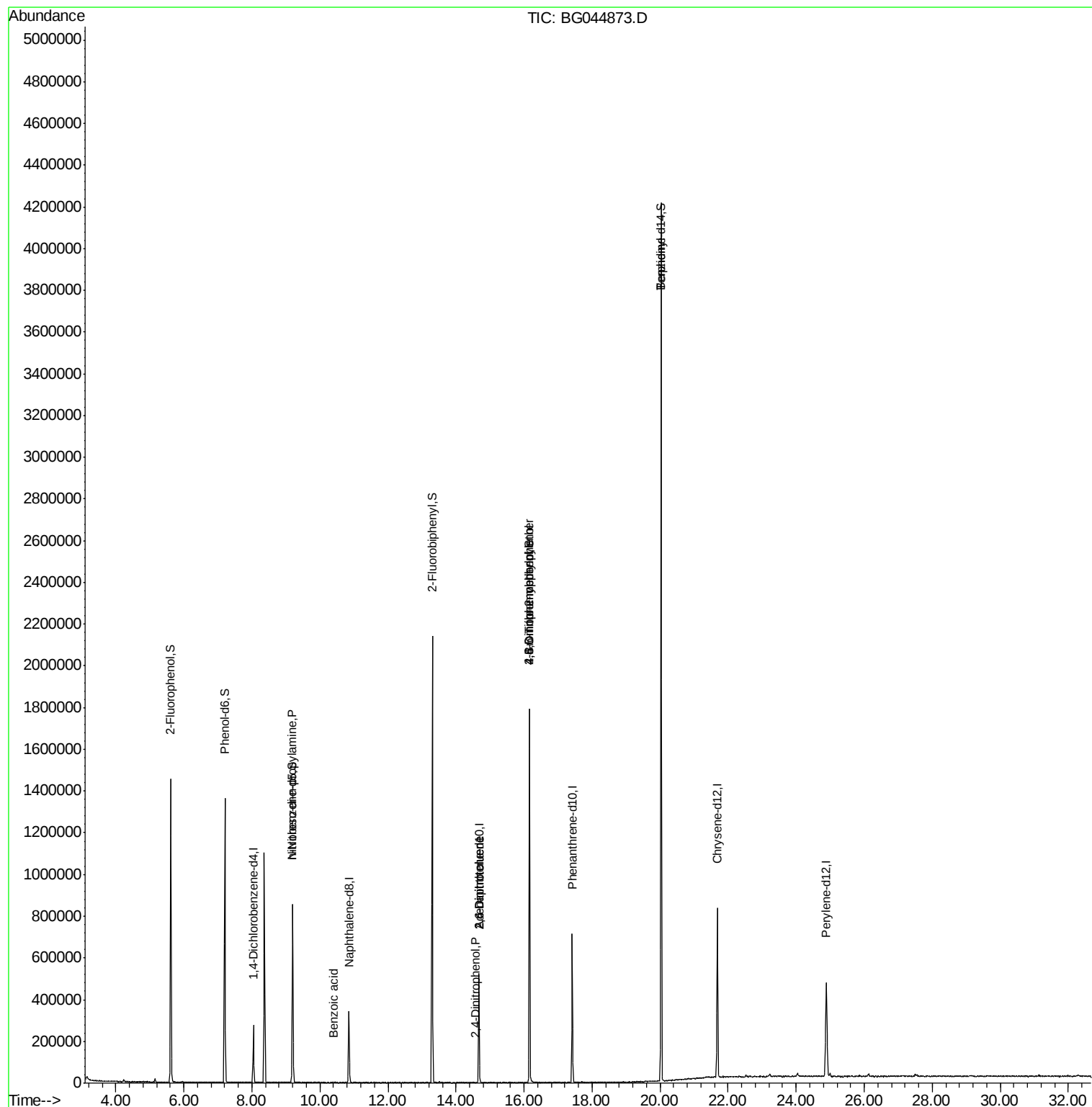
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	60	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	73725	13.68	ng	# 73
32) Benzoic acid	10.40	122	57	9.68	ng	# 1
51) 2,6-Dinitrotoluene	14.68	165	23416	7.52	ng	# 21
54) 2,4-Dinitrophenol	14.58	184	80	8.37	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	23416	5.49	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.16	198	1034	8.13	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	25178	4.34	ng	# 1
77) Benzidine	20.03	184	38354	2.43	ng	# 94

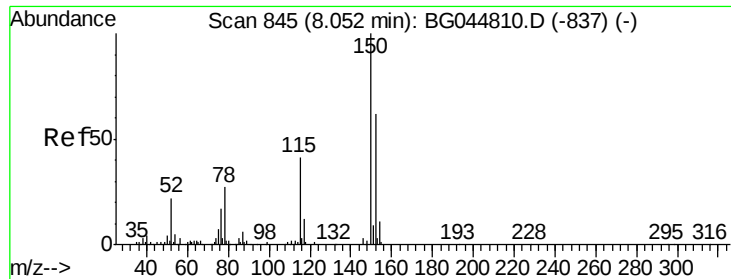
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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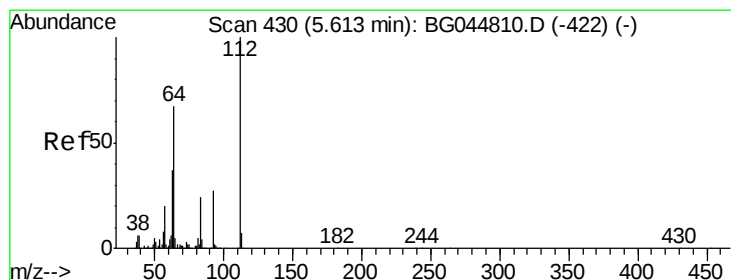
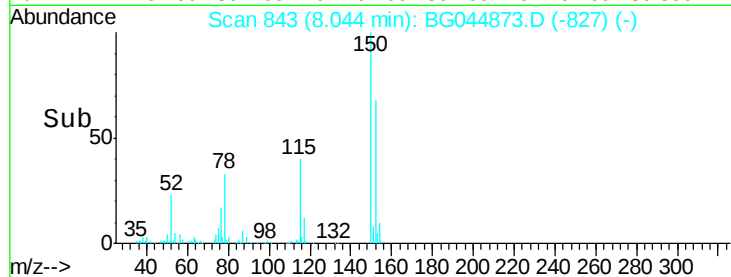
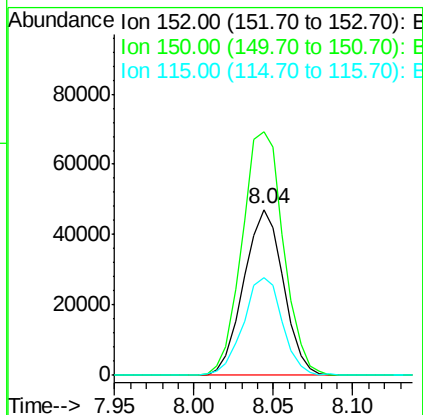
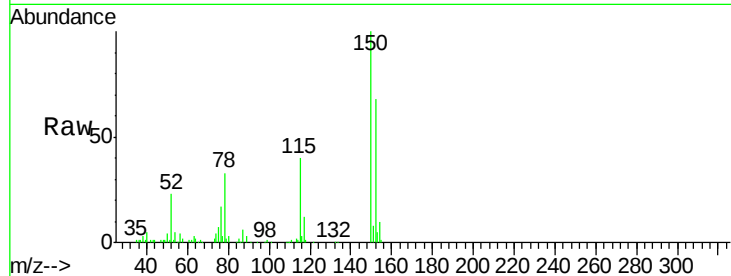


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044873.D
Acq: 18 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :
PB127635BL

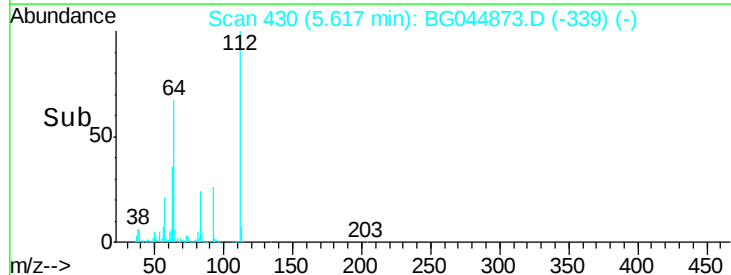
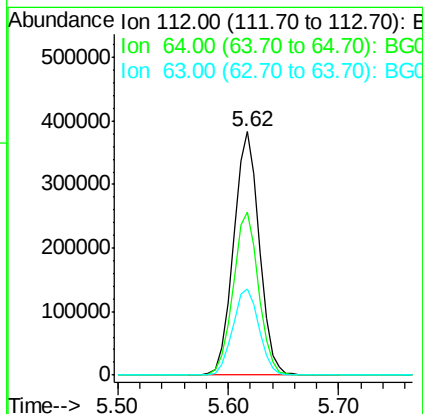
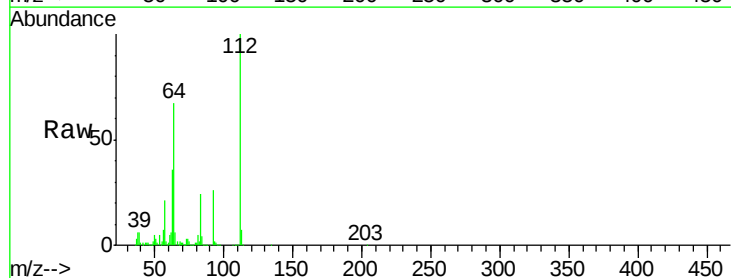
Tgt Ion	Ratio	Lower	Upper
152	100		
150	146.6	128.8	193.2
115	59.1	52.6	79.0

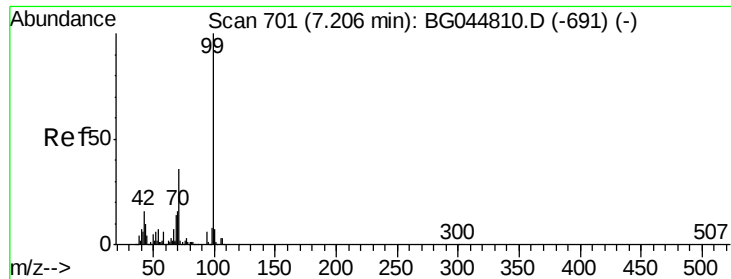


#5

2-Fluorophenol
Concen: 118.63 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044873.D
Acq: 18 Mar 2020 21:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	53.4	80.2
63	35.5	29.4	44.2





#7

Phenol-d6

Concen: 111.67 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044873.D

Acq: 18 Mar 2020 21:10

Instrument :

BNA_G

ClientSampleId :

PB127635BL

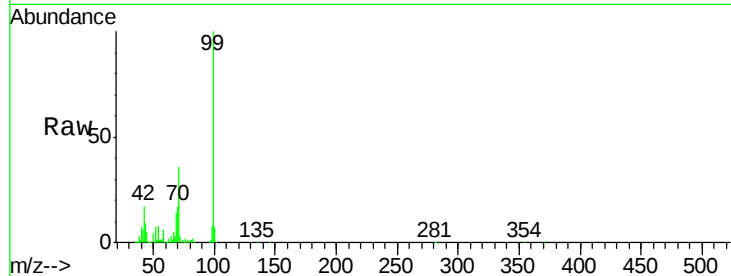
Tgt Ion: 99 Resp: 852564

Ion Ratio Lower Upper

99 100

42 16.8 12.6 19.0

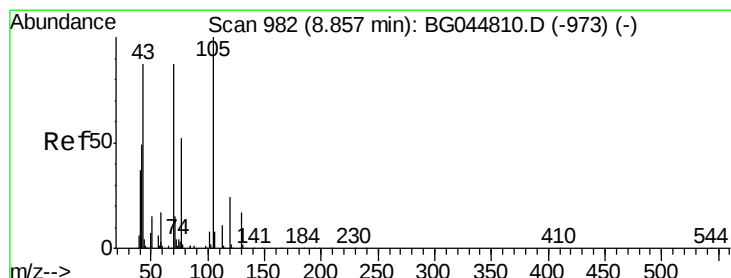
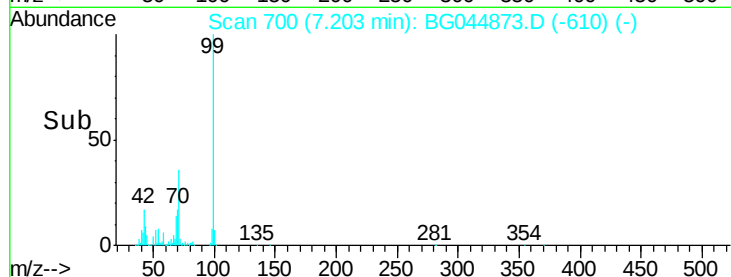
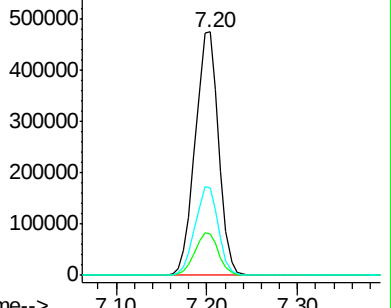
71 36.0 29.0 43.4



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: 13.68 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044873.D

Acq: 18 Mar 2020 21:10

Tgt Ion: 70 Resp: 73725

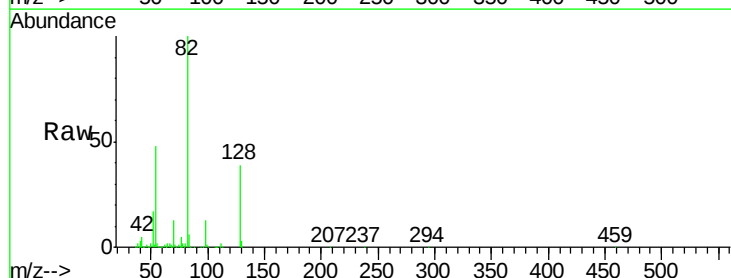
Ion Ratio Lower Upper

70 100

42 40.0 45.7 68.5#

101 0.0 7.4 11.2#

130 1.7 15.9 23.9#

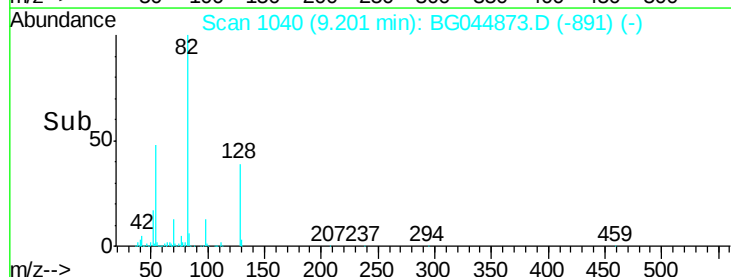
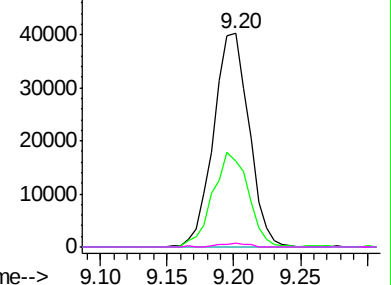


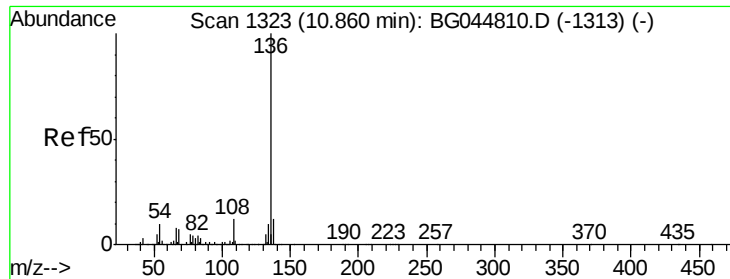
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

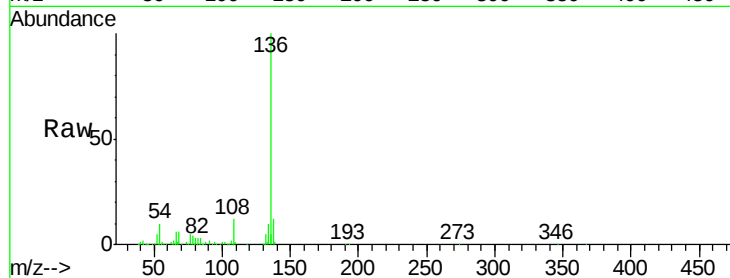




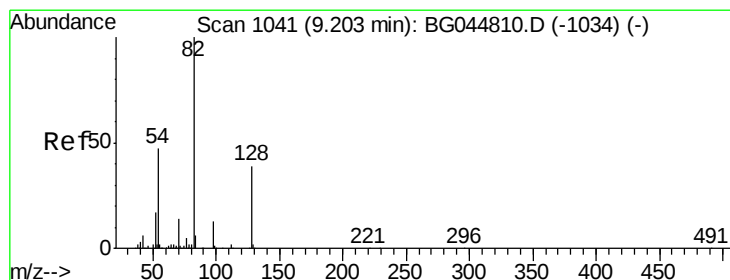
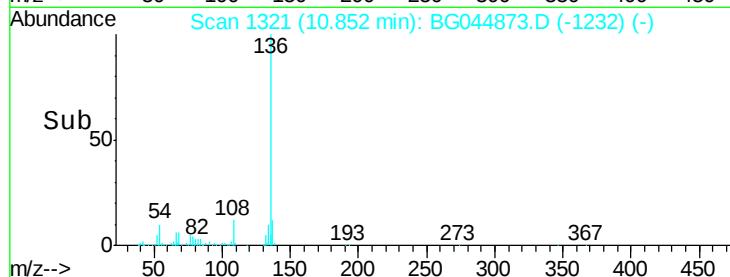
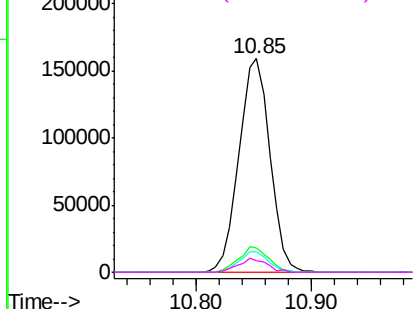
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044873.D
Acq: 18 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :
PB127635BL

Tgt Ion:	136	Resp:	295403
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.8	14.6
54	9.7	7.9	11.9
68	5.6	5.4	8.0

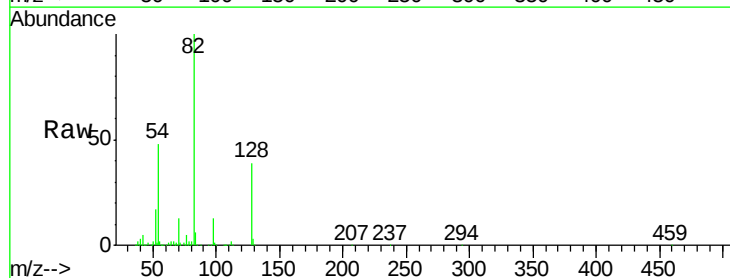


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

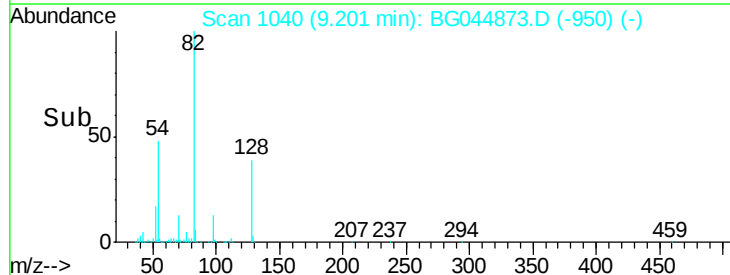
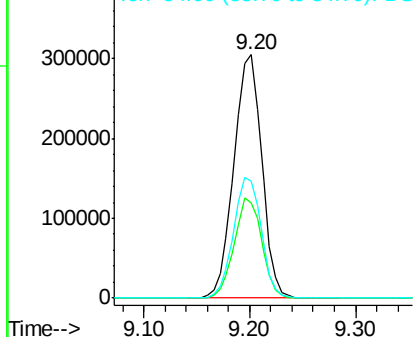


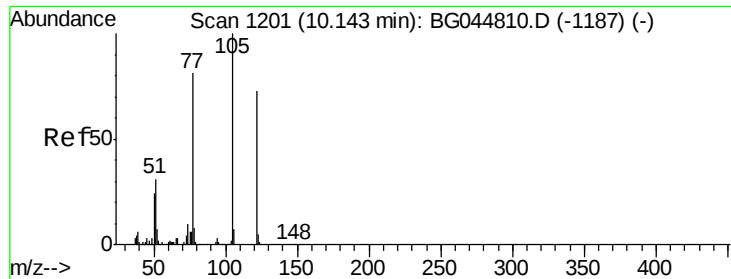
#23
Nitrobenzene-d5
Concen: 82.88 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044873.D
Acq: 18 Mar 2020 21:10

Tgt Ion:	82	Resp:	557954
Ion	Ratio	Lower	Upper
82	100		
128	39.2	30.6	46.0
54	48.1	37.1	55.7



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

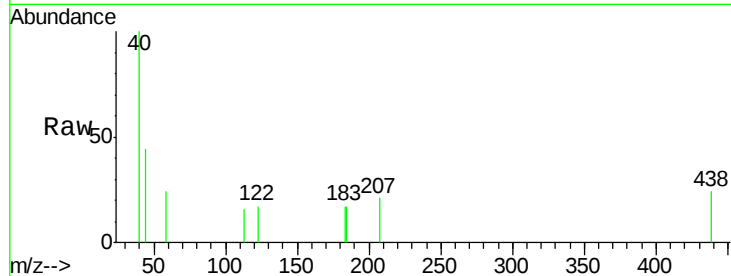




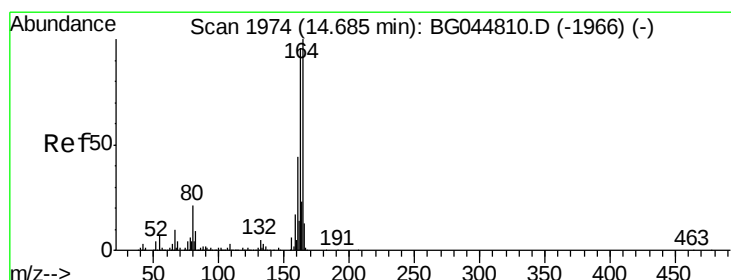
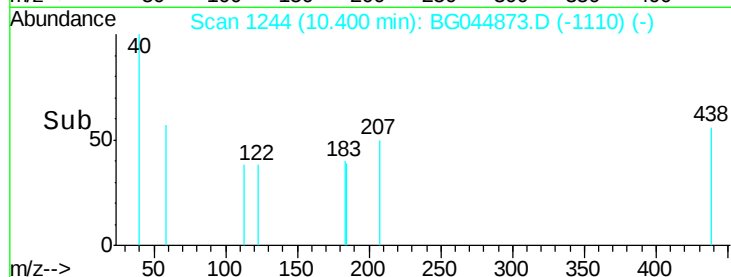
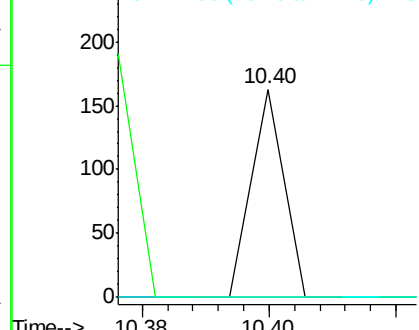
#32
Benzoic acid
Concen: 9.68 ng
RT: 10.40 min Scan# 1244
Delta R.T. 0.26 min
Lab File: BG044873.D
Acq: 18 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :
PB127635BL

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#

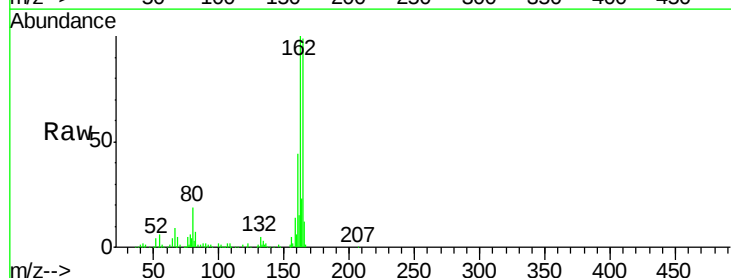


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

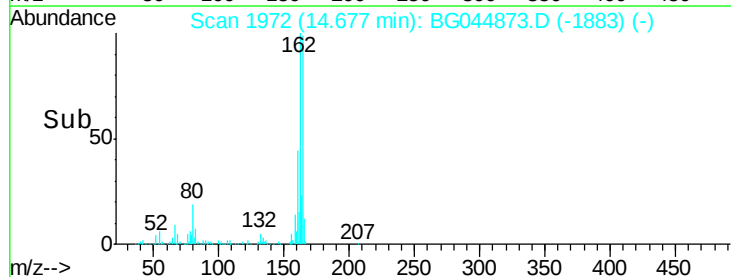
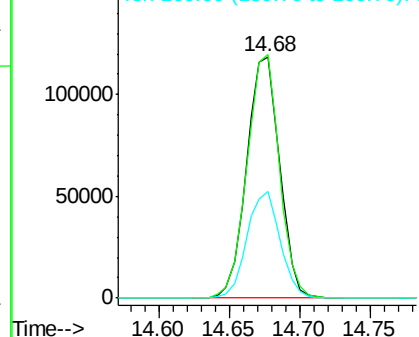


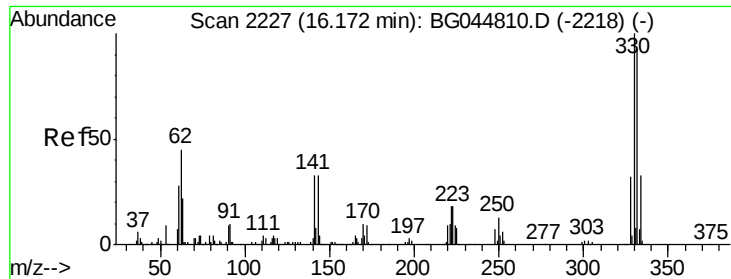
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG044873.D
Acq: 18 Mar 2020 21:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	76.7	115.1
160	44.4	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

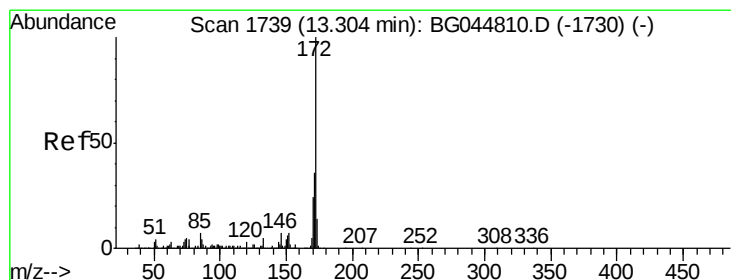
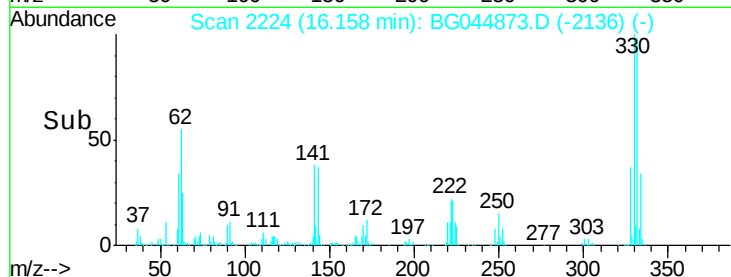
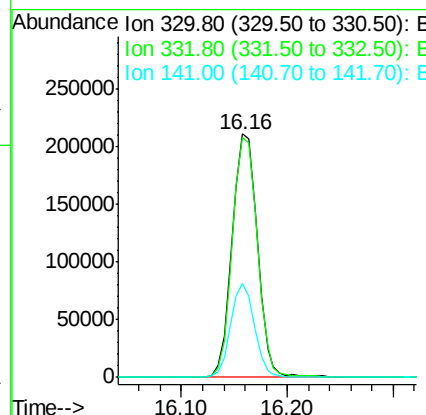
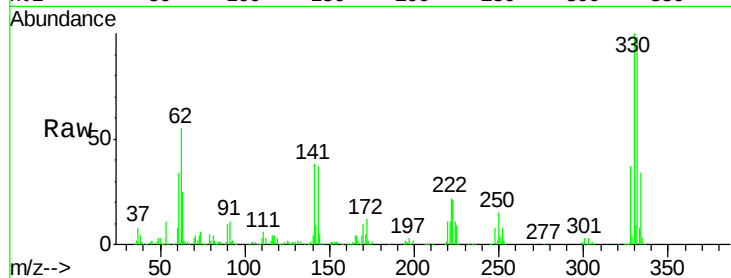




#42
 2,4,6-Tribromophenol
 Concen: 137.21 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG044873.D
 Acq: 18 Mar 2020 21:10

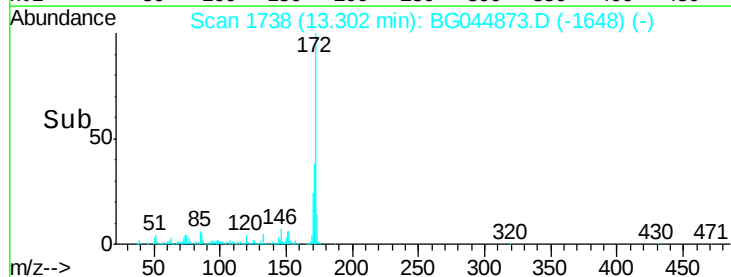
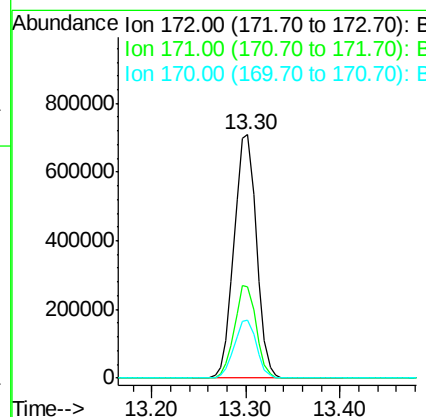
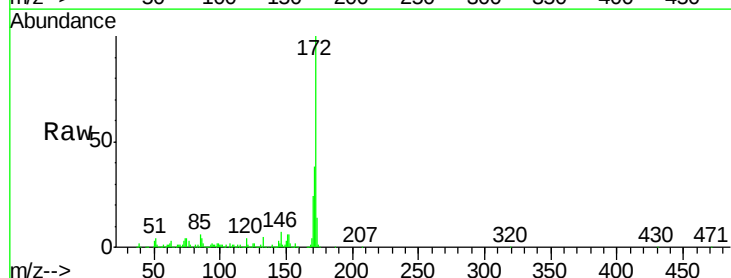
Instrument :
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 PB127635BL

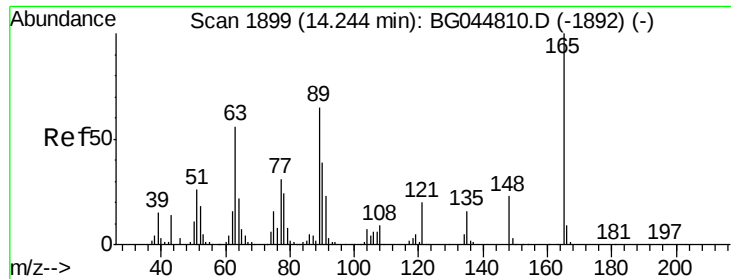
Tgt Ion:330 Resp: 348323
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.8 116.6
 141 36.4 29.5 44.3



#45
 2-Fluorobiphenyl
 Concen: 86.65 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG044873.D
 Acq: 18 Mar 2020 21:10

Tgt Ion:172 Resp: 1173180
 Ion Ratio Lower Upper
 172 100
 171 37.6 28.7 43.1
 170 23.7 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 7.52 ng

RT: 14.68 min Scan# 1972

Delta R.T. 0.43 min

Lab File: BG044873.D

Acq: 18 Mar 2020 21:10

Instrument :

BNA_G

ClientSampleId :

PB127635BL

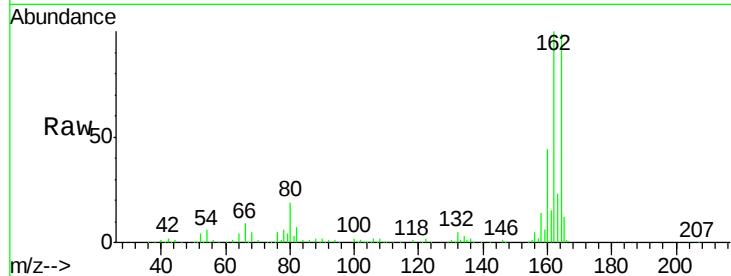
Tgt Ion:165 Resp: 23416

Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

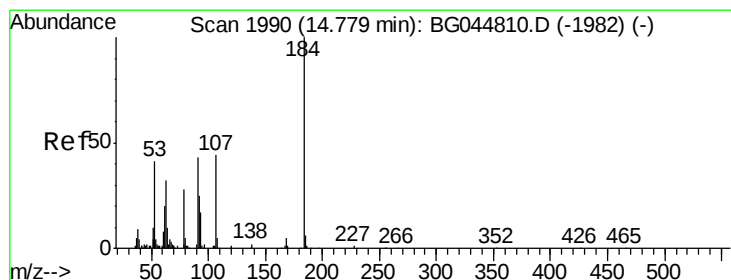
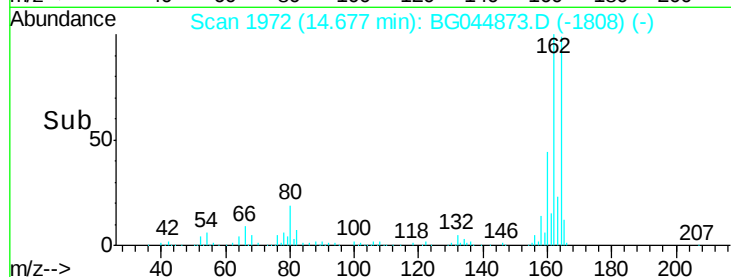
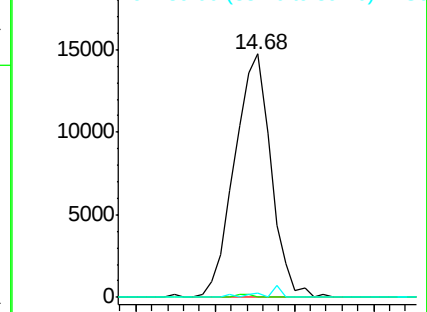
89 1.6 51.8 77.6#



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: 8.37 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.20 min

Lab File: BG044873.D

Acq: 18 Mar 2020 21:10

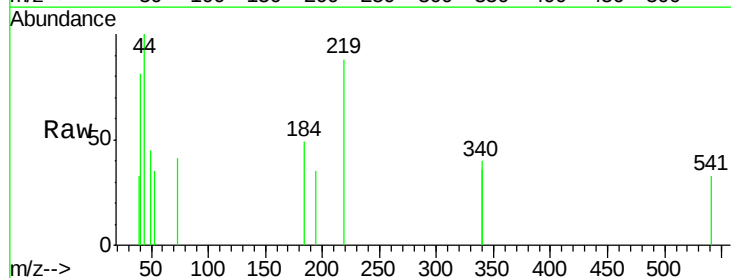
Tgt Ion:184 Resp: 80

Ion Ratio Lower Upper

184 100

63 0.0 45.5 68.3#

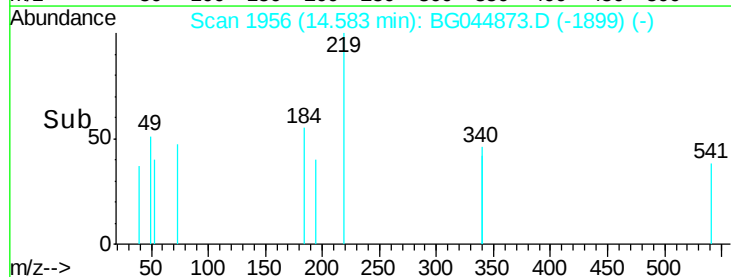
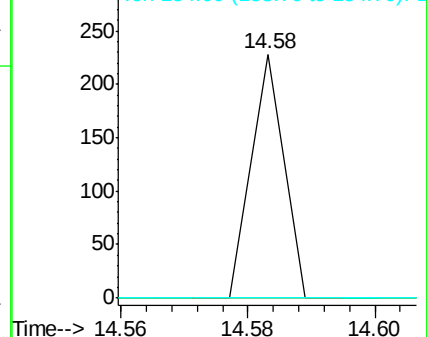
154 0.0 49.1 73.7#

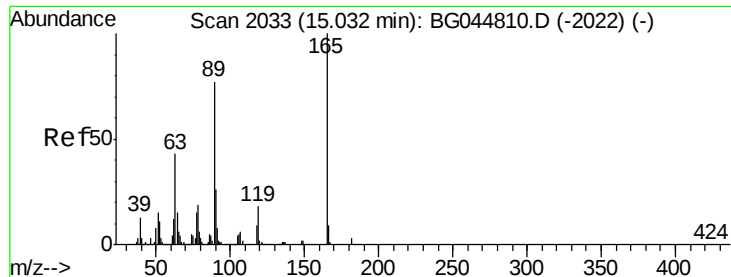


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

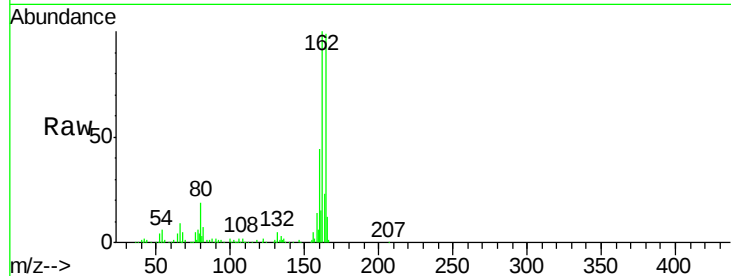




#57
2,4-Dinitrotoluene
Concen: 5.49 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.35 min
Lab File: BG044873.D
Acq: 18 Mar 2020 21:10

Instrument :
BNA_G
ClientSampleId :
PB127635BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.6	52.0#
89	1.6	61.3	91.9#
182	0.0	2.2	3.2#

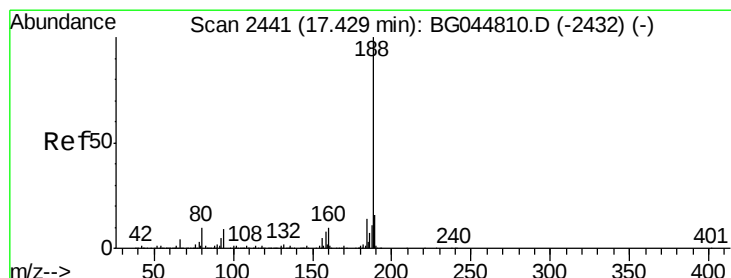
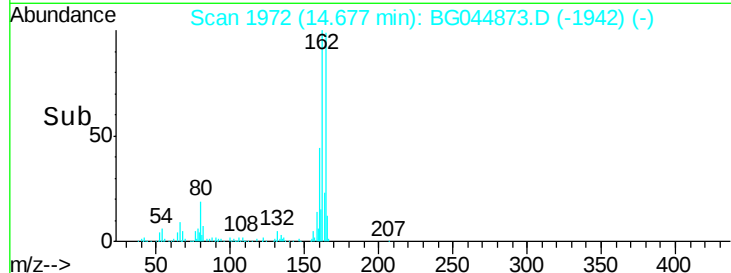
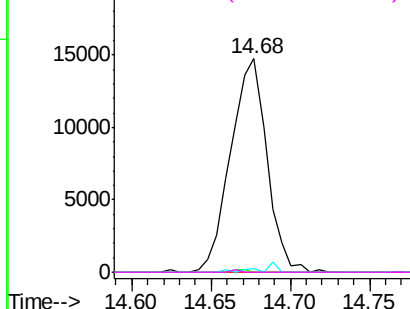


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

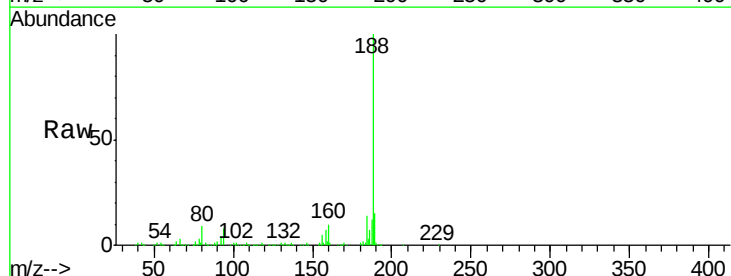
Ion 89.00 (88.70 to 89.70): BGC

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: BG044873.D
Acq: 18 Mar 2020 21:10

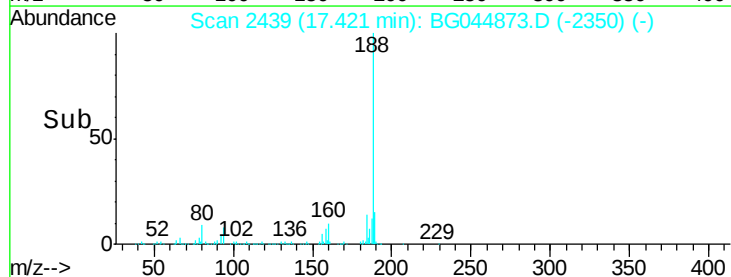
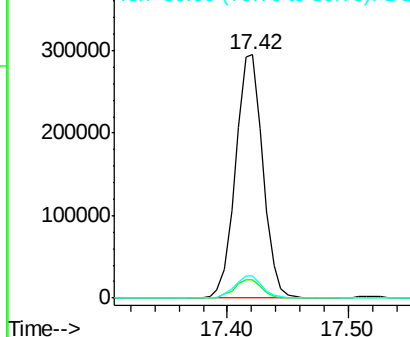
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	7.3	10.9
80	8.9	8.0	12.0

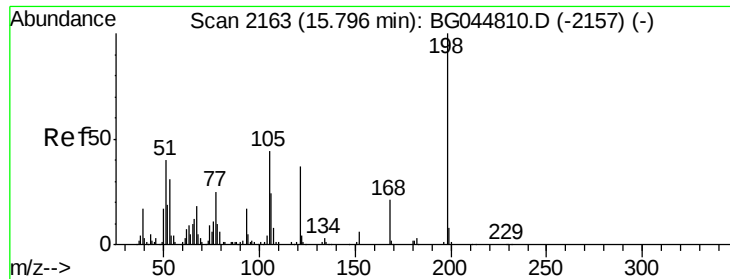


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

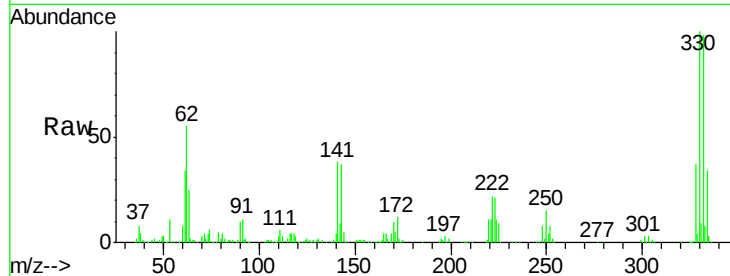




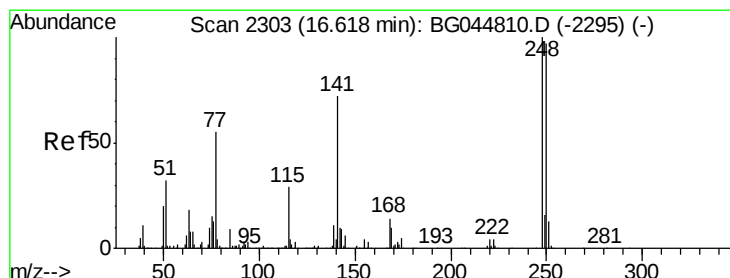
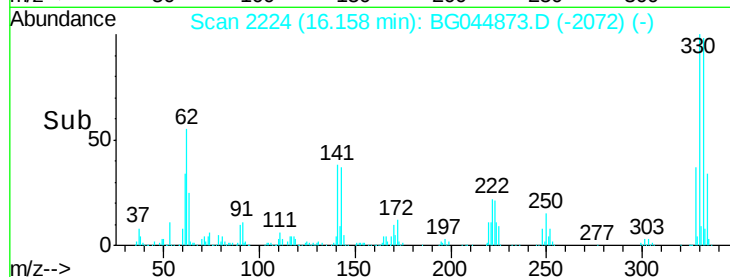
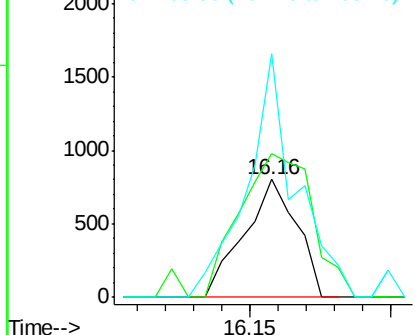
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.13 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.36 min
 Lab File: BG044873.D
 Acq: 18 Mar 2020 21:10

Instrument :
 BNA_G
 ClientSampleId :
 PB127635BL

Tgt Ion:198 Resp: 1034
 Ion Ratio Lower Upper
 198 100
 51 122.3 21.1 61.1#
 105 206.4 24.5 64.5#

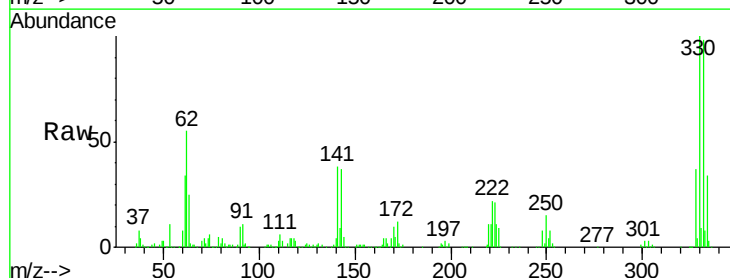


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

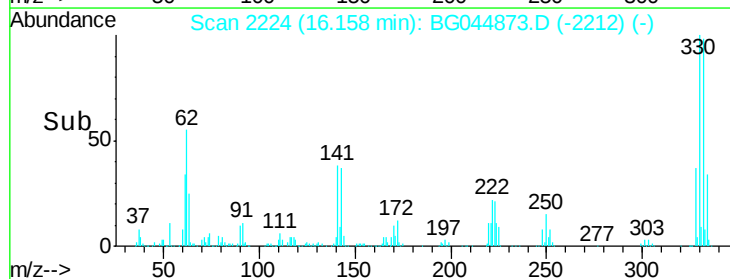
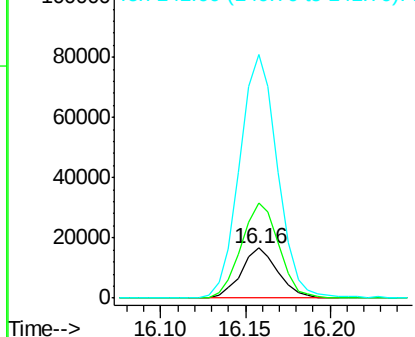


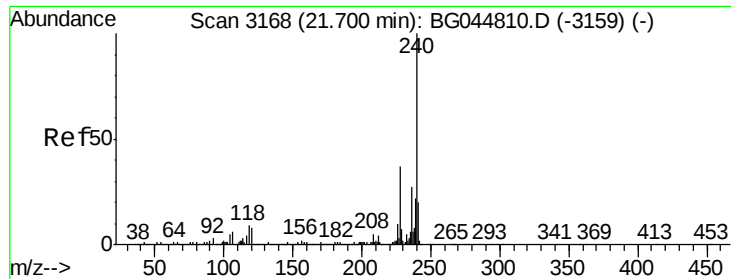
#67
 4-Bromophenyl-phenylether
 Concen: 4.34 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.46 min
 Lab File: BG044873.D
 Acq: 18 Mar 2020 21:10

Tgt Ion:248 Resp: 25178
 Ion Ratio Lower Upper
 248 100
 250 190.3 77.9 116.9#
 141 484.4 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

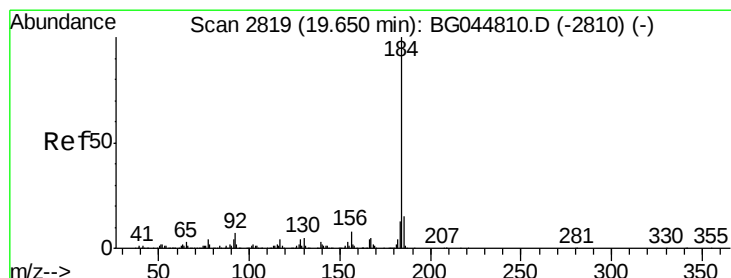
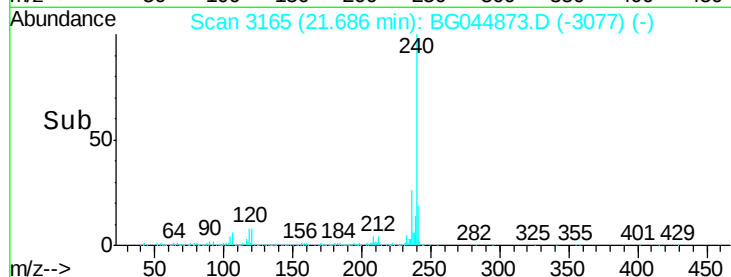
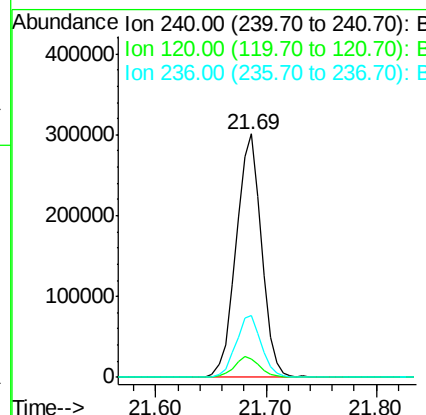
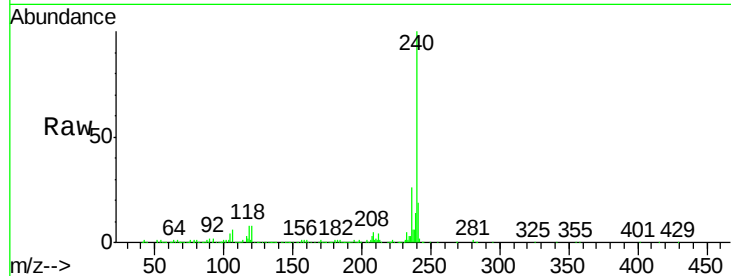




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG044873.D
Acq: 18 Mar 2020 21:10

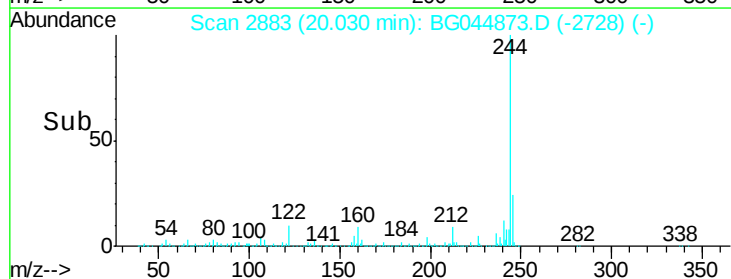
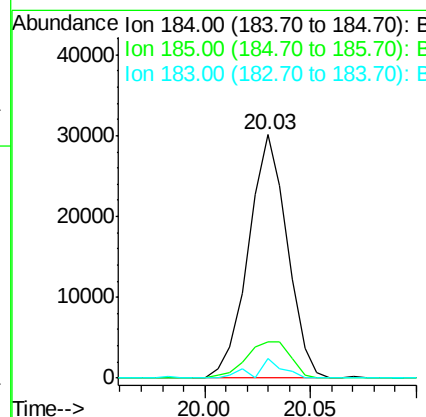
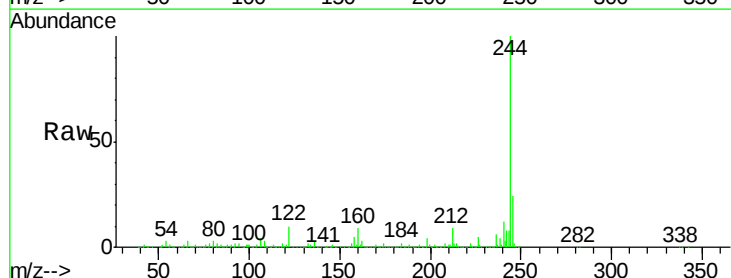
Instrument :
BNA_G
ClientSampleId :
PB127635BL

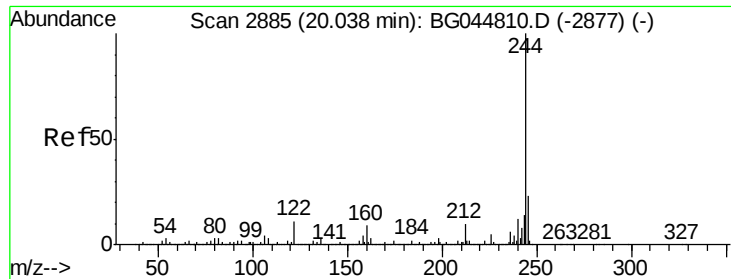
Tgt Ion:240 Resp: 485259
Ion Ratio Lower Upper
240 100
120 7.6 6.7 10.1
236 25.6 21.5 32.3



#77
Benzidine
Concen: 2.43 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.38 min
Lab File: BG044873.D
Acq: 18 Mar 2020 21:10

Tgt Ion:184 Resp: 38354
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.4
183 8.2 10.7 16.1#





#79

Terphenyl-d14

Concen: 78.13 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG044873.D

Acq: 18 Mar 2020 21:10

Instrument :

BNA_G

ClientSampleId :

PB127635BL

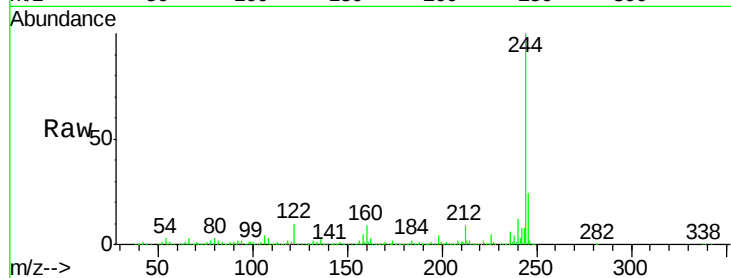
Tgt Ion:244 Resp: 2026781

Ion Ratio Lower Upper

244 100

212 9.2 7.7 11.5

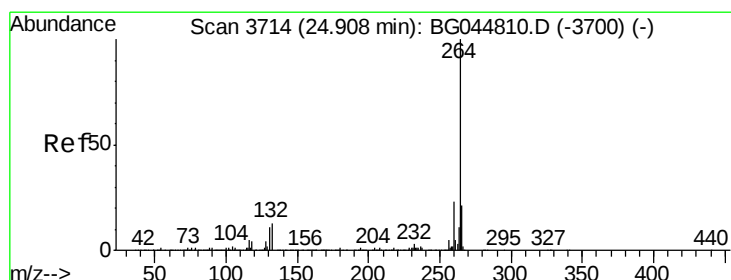
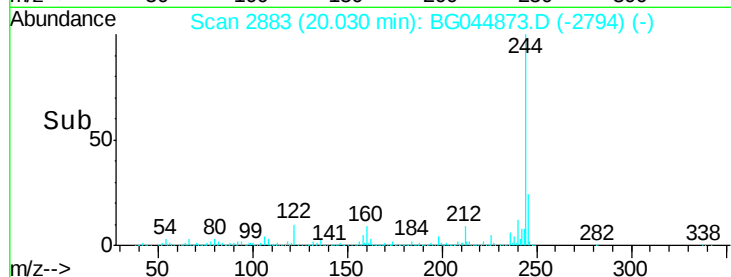
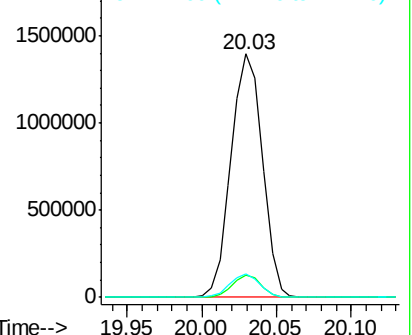
122 9.7 8.6 12.8



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# 3710

Delta R.T. -0.02 min

Lab File: BG044873.D

Acq: 18 Mar 2020 21:10

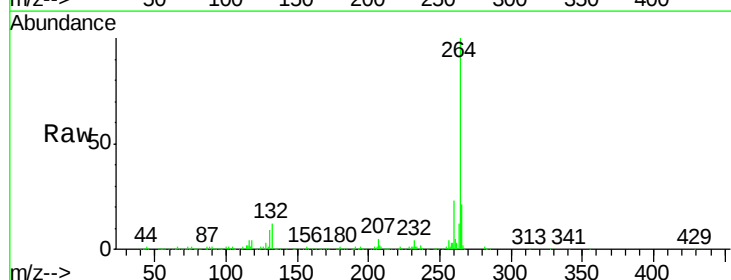
Tgt Ion:264 Resp: 510390

Ion Ratio Lower Upper

264 100

260 23.4 18.1 27.1

265 21.2 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

