

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044848.D
 Acq On : 18 Mar 2020 1:07
 Operator : CG/JU
 Sample : L1917-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 18 11:47:05 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	98732	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	399005	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	263474	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	567978	20.00	ng	0.00
76) Chrysene-d12	21.69	240	473764	20.00	ng	-0.01
87) Perylene-d12	24.89	264	556697	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	331712	52.30	ng	0.00
7) Phenol-d6	7.20	99	289280	31.39	ng	0.00
23) Nitrobenzene-d5	9.20	82	753161	82.83	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	485417	140.71	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1571179	85.40	ng	0.00
79) Terphenyl-d14	20.03	244	2162444	85.38	ng	0.00

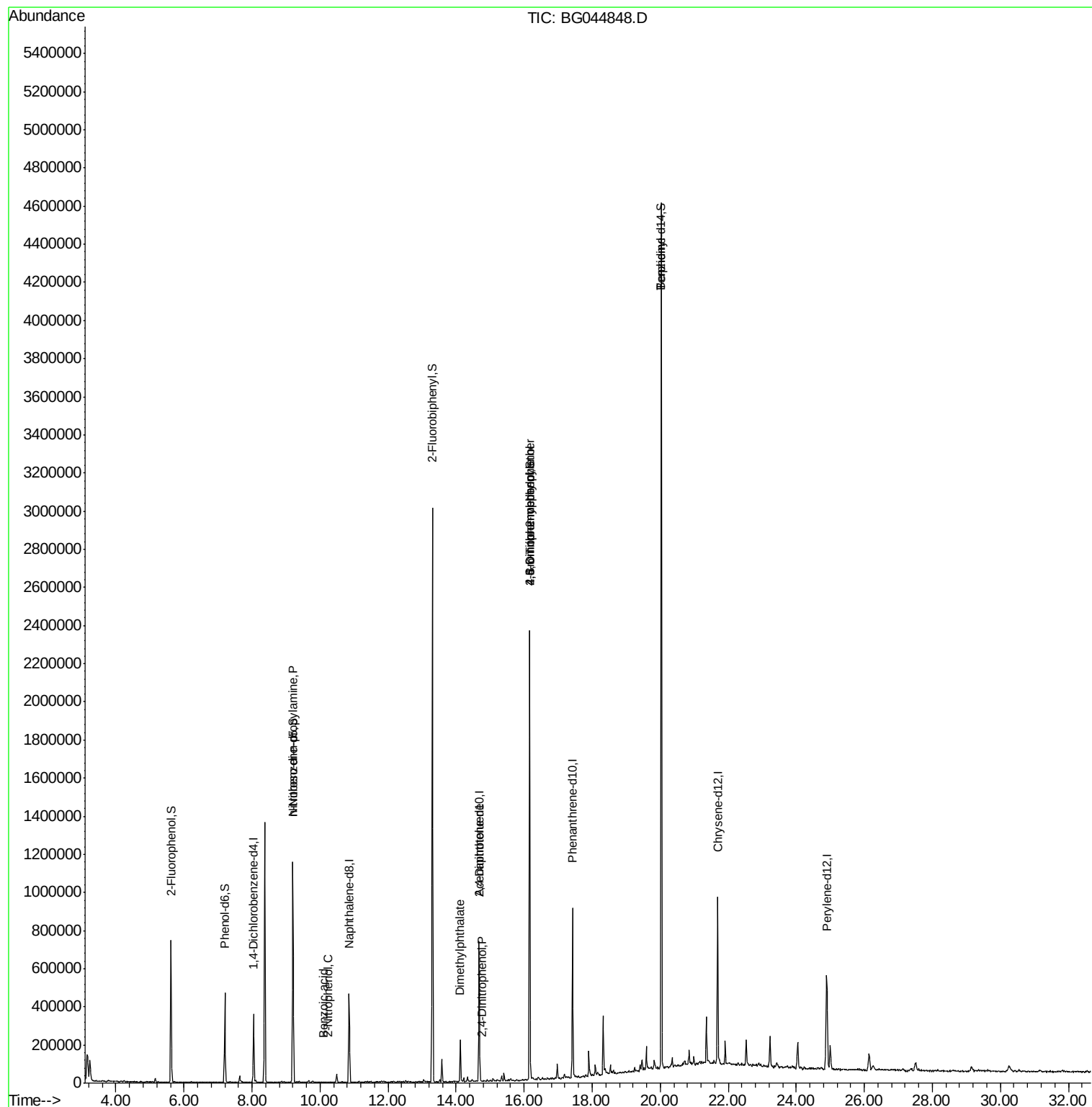
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	669	Below Cal		# 48
19) n-Nitroso-di-n-propylamine	9.20	70	101062	15.532	ng	# 71
26) 2-Nitrophenol	10.24	139	66	5.533	ng	# 28
32) Benzoic acid	10.10	122	60	9.680	ng	# 1
50) Dimethylphthalate	14.13	163	144475	6.885	ng	99
54) 2,4-Dinitrophenol	14.77	184	126	8.374	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	35947	6.197	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.16	198	2895	8.637	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	33566	4.727	ng	# 1
77) Benzidine	20.04	184	45175	2.937	ng	# 91

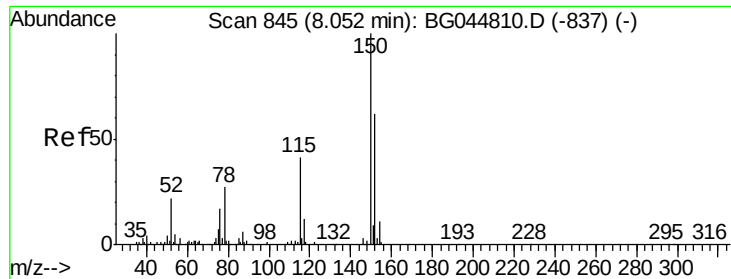
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
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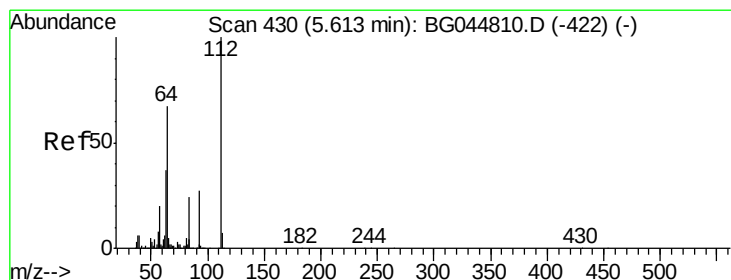
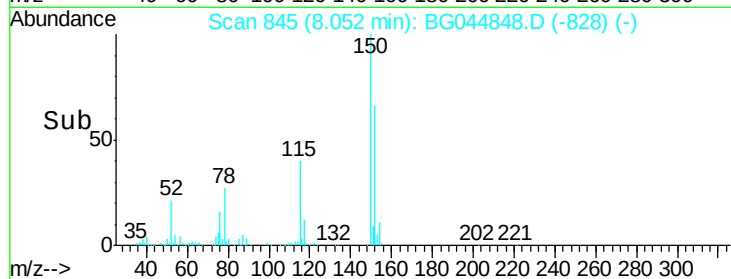
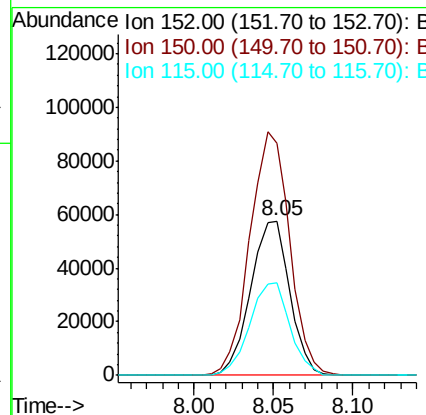
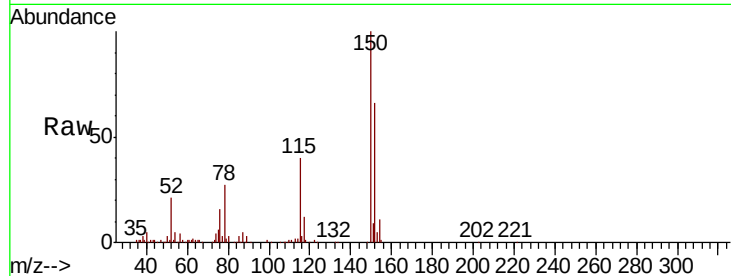


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. 0.00 min
Lab File: BG044848.D
Acq: 18 Mar 2020 1:07

Instrument :
BNA_G
ClientSampleId :

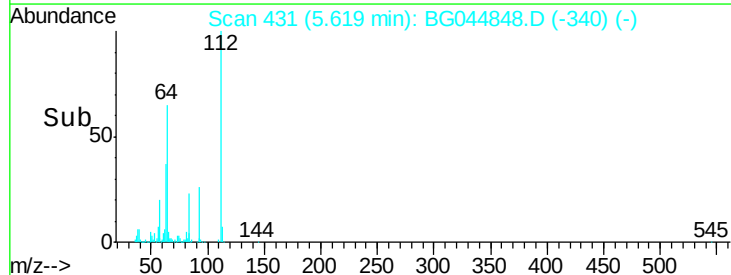
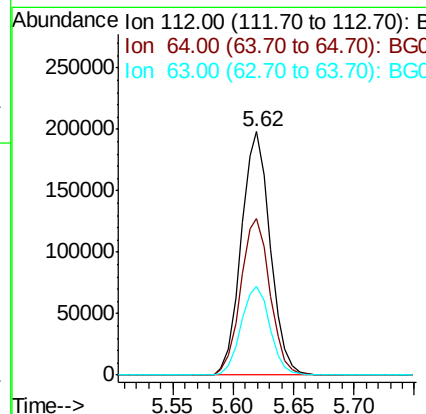
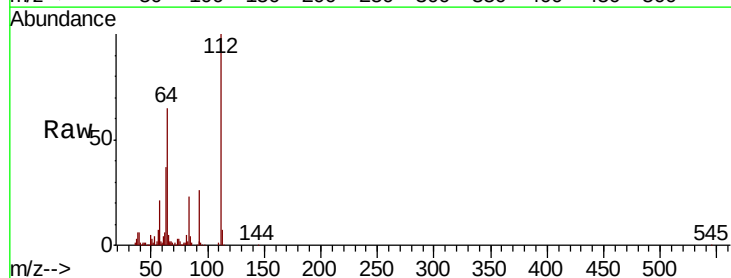
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	128.8	193.2
115	59.9	52.6	79.0

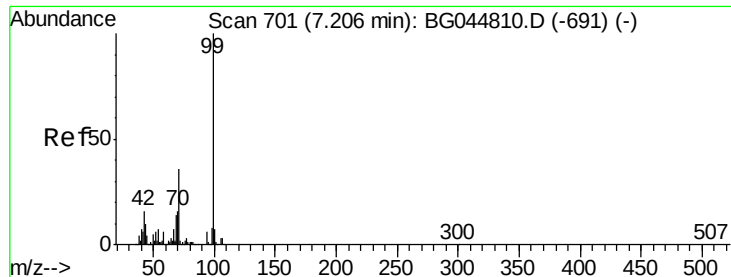


#5

2-Fluorophenol
Concen: 52.301 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044848.D
Acq: 18 Mar 2020 1:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	53.4	80.2
63	36.6	29.4	44.2





#7

Phenol-d6

Concen: 31.392 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044848.D

Acq: 18 Mar 2020 1:07

Instrument :

BNA_G

ClientSampleId :

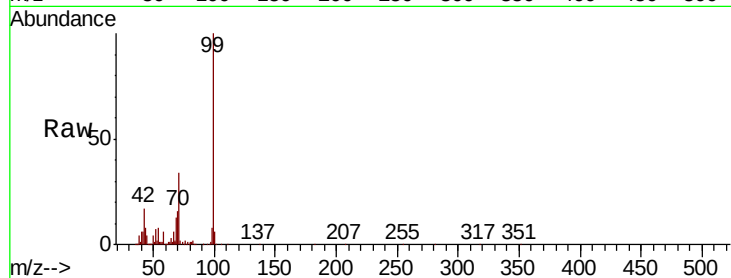
Tot Ion: 99 Resp: 289280

Ion Ratio Lower Upper

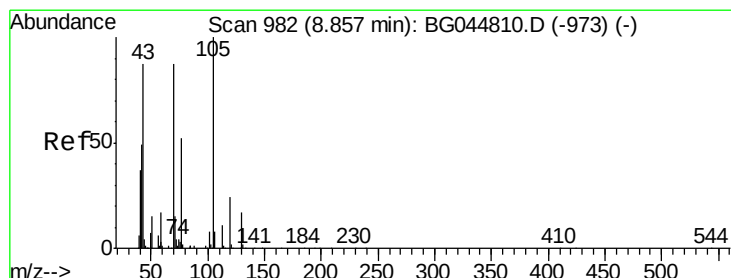
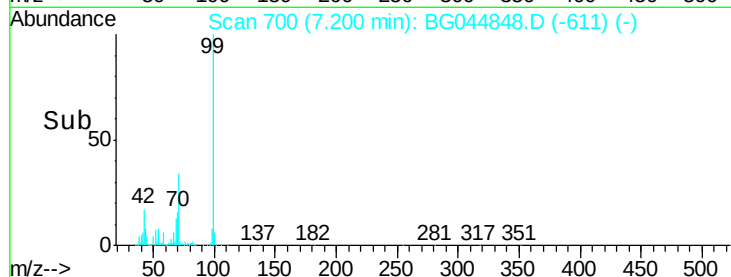
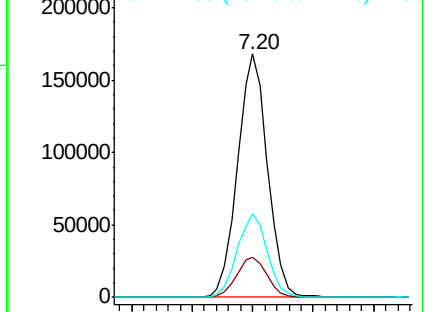
99 100

42 16.6 12.6 19.0

71 34.2 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: 15.532 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044848.D

Acq: 18 Mar 2020 1:07

Tgt Ion: 70 Resp: 101062

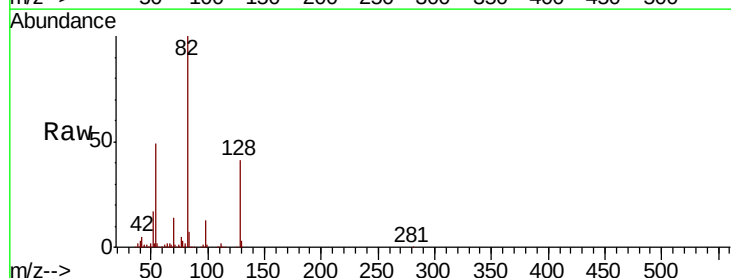
Ion Ratio Lower Upper

70 100

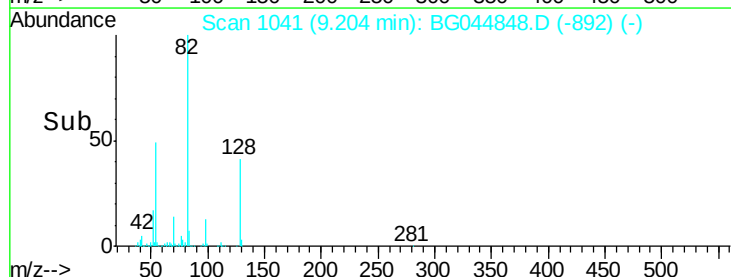
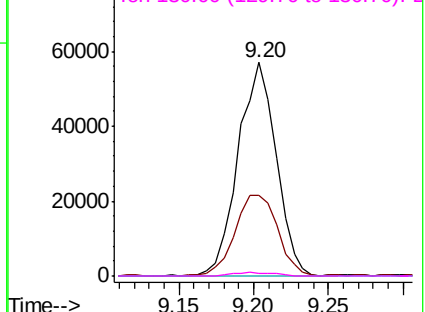
42 37.8 45.7 68.5#

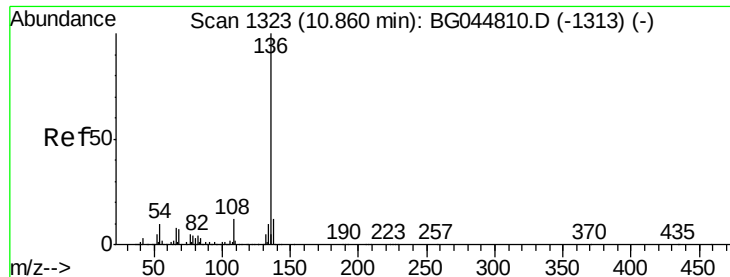
101 0.0 7.4 11.2#

130 1.5 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

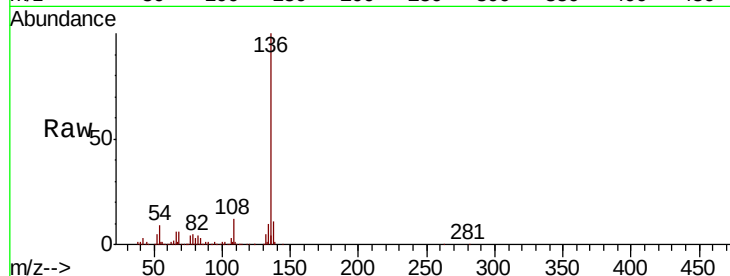




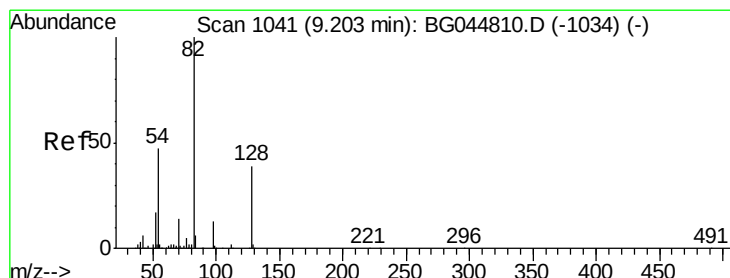
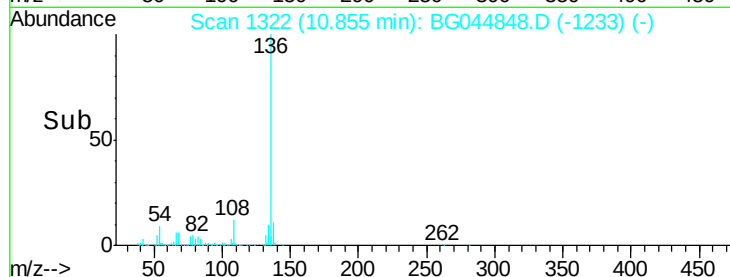
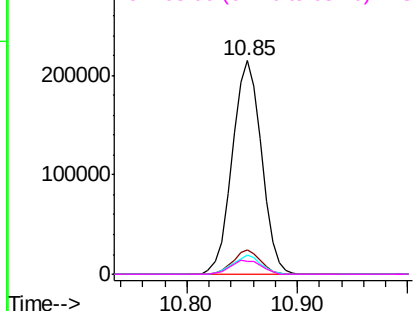
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG044848.D
Acq: 18 Mar 2020 1:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	399005
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.8 14.6
54	9.0	7.9 11.9
68	6.1	5.4 8.0

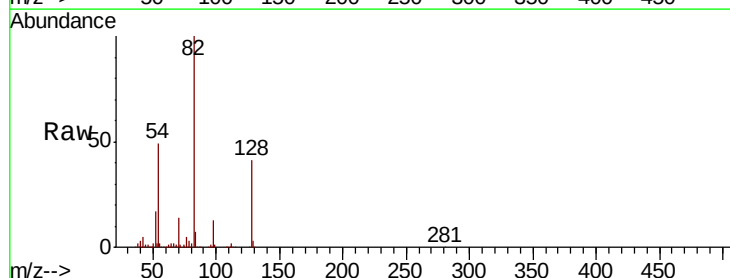


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

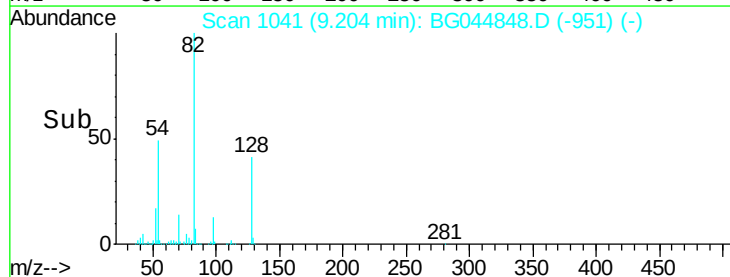
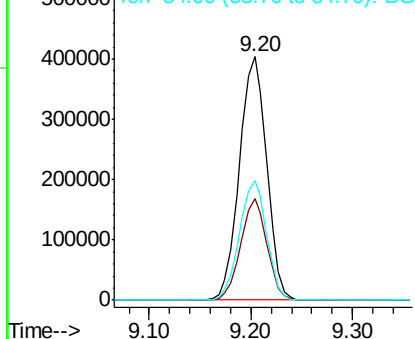


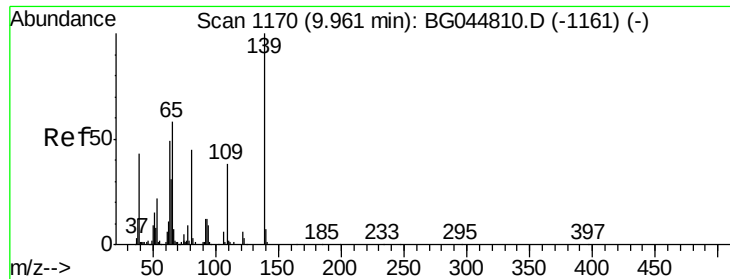
#23
Nitrobenzene-d5
Concen: 82.830 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG044848.D
Acq: 18 Mar 2020 1:07

Tgt Ion: 82	Resp:	753161
Ion Ratio	Lower	Upper
82	100	
128	41.5	30.6 46.0
54	49.2	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

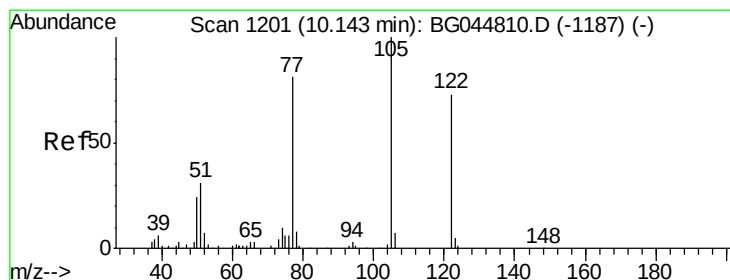
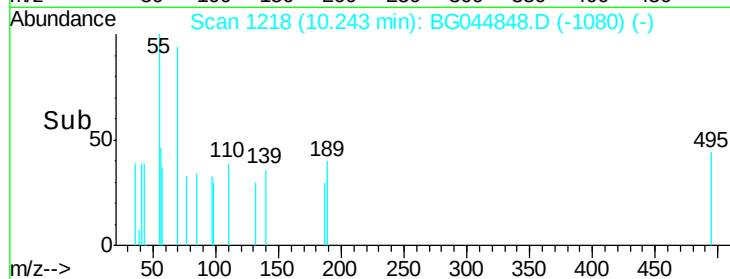
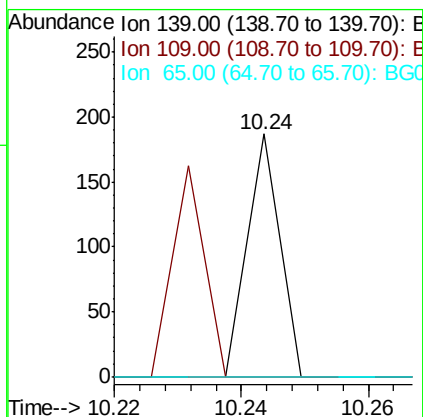
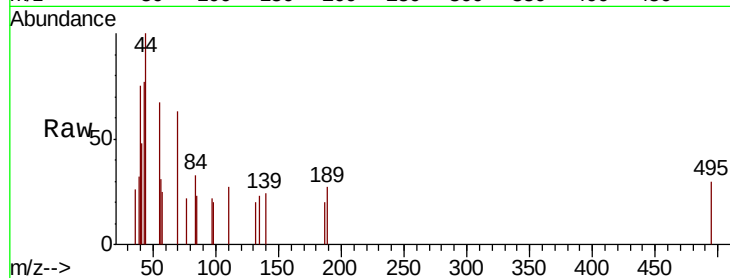




#26
2-Nitrophenol
Concen: 5.533 ng
RT: 10.24 min Scan# 1218
Delta R.T. 0.28 min
Lab File: BG044848.D
Acq: 18 Mar 2020 1:07

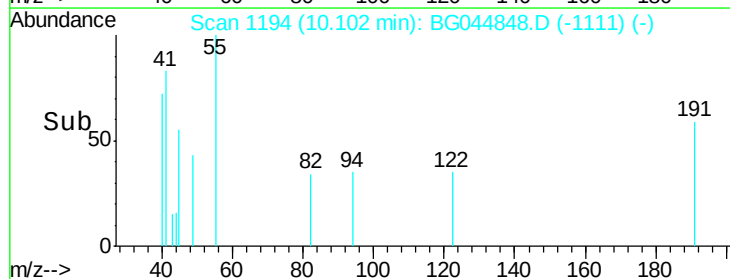
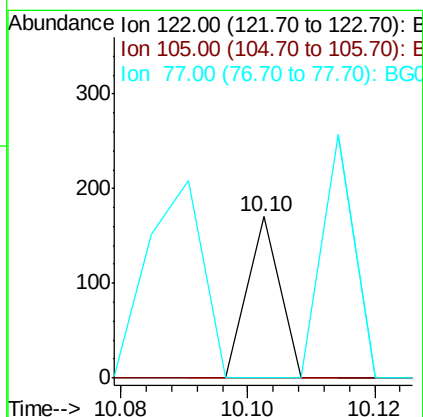
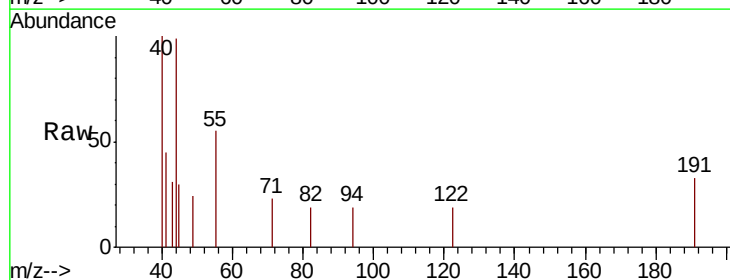
Instrument :
BNA_G
ClientSampleId :

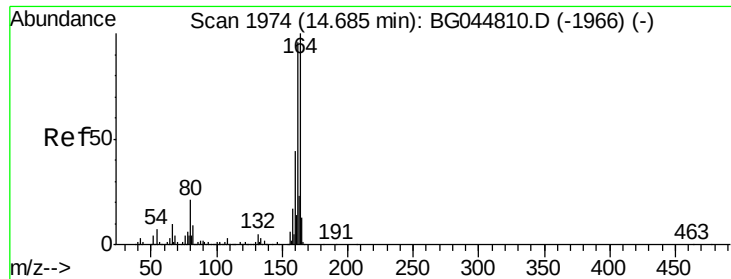
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.680 ng
RT: 10.10 min Scan# 1194
Delta R.T. -0.04 min
Lab File: BG044848.D
Acq: 18 Mar 2020 1:07

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044848.D

Acq: 18 Mar 2020 1:07

Instrument :

BNA_G

ClientSampleId :

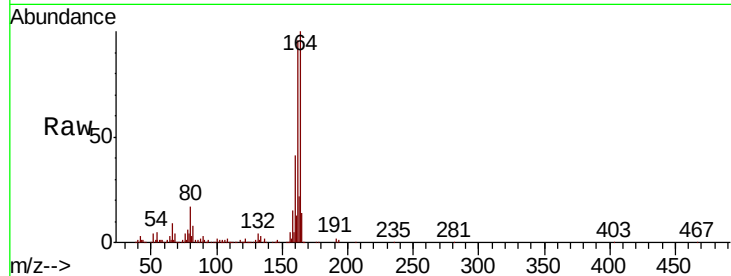
Tot Ion:164 Resp: 263474

Ion Ratio Lower Upper

164 100

162 95.6 76.7 115.1

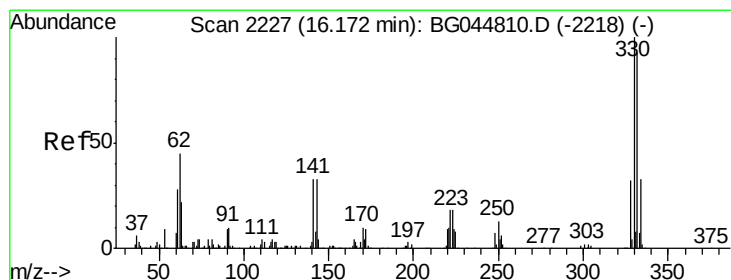
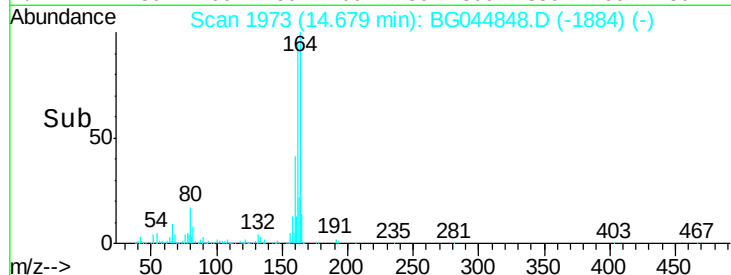
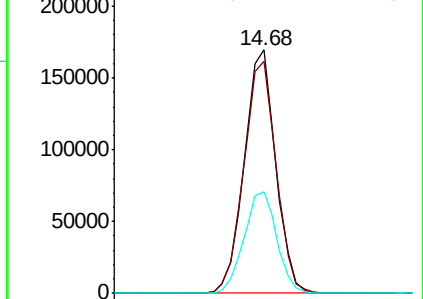
160 41.4 35.0 52.4



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: 140.709 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044848.D

Acq: 18 Mar 2020 1:07

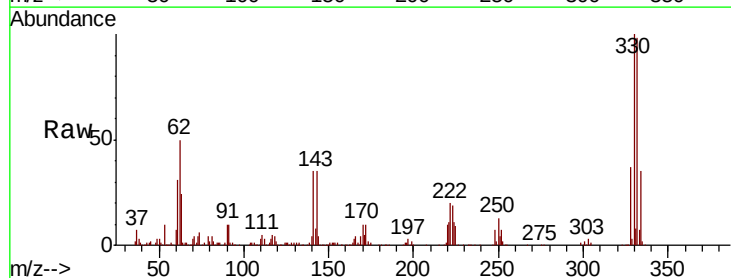
Tgt Ion:330 Resp: 485417

Ion Ratio Lower Upper

330 100

332 95.9 77.8 116.6

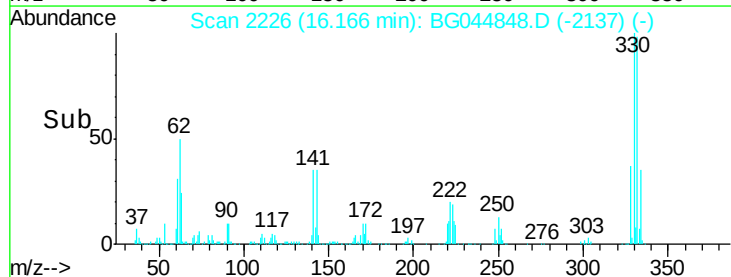
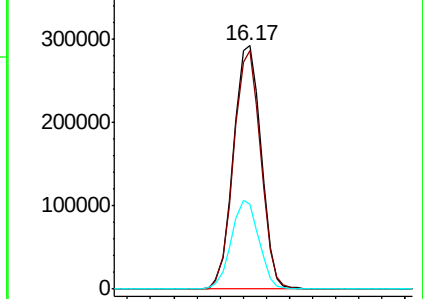
141 36.4 29.5 44.3

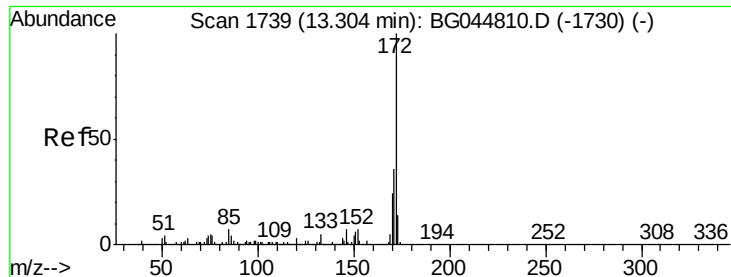


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

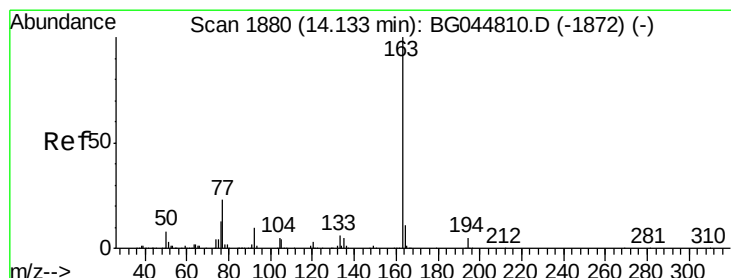
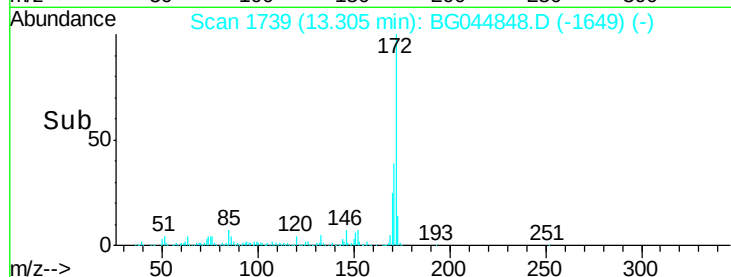
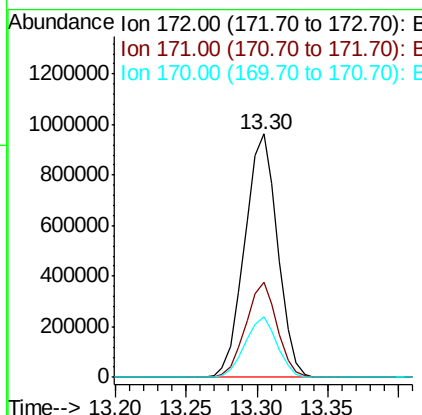
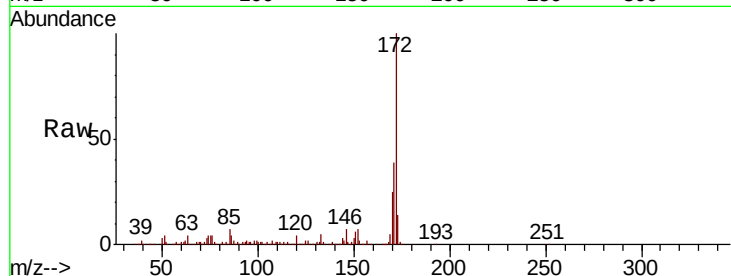




#45
2-Fluorobiphenyl
Concen: 85.397 ng
RT: 13.30 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044848.D
Acq: 18 Mar 2020 1:07

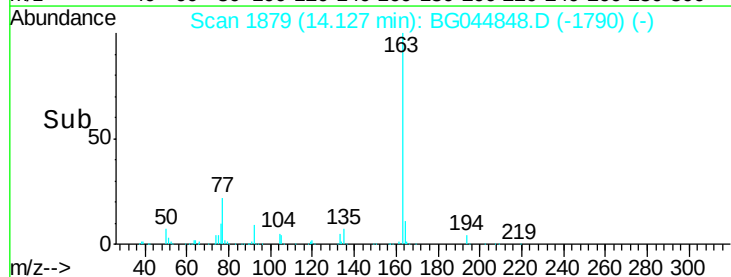
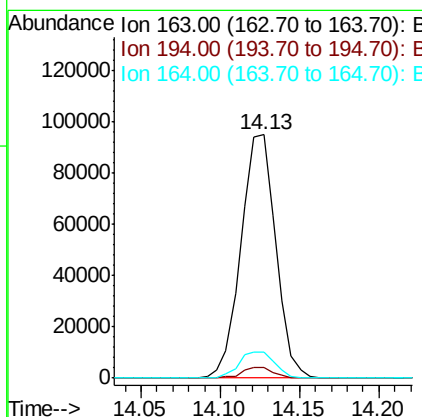
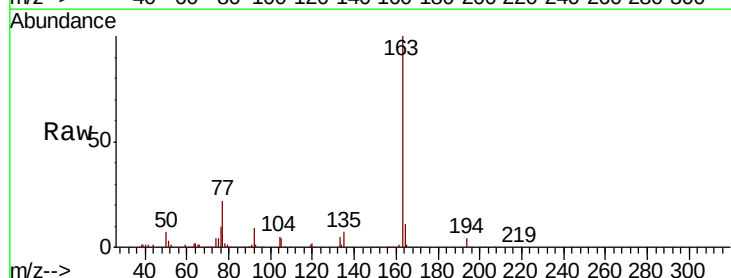
Instrument :
BNA_G
ClientSampleId :

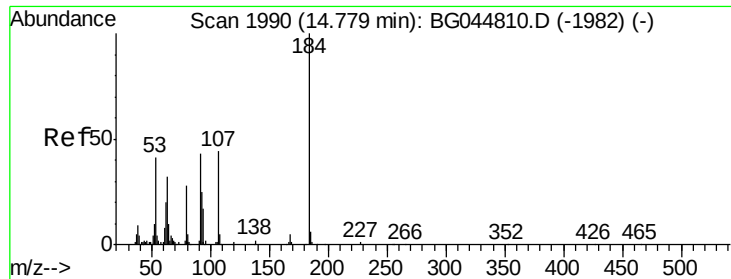
Tot Ion:172 Resp: 1571179
Ion Ratio Lower Upper
172 100
171 38.8 28.7 43.1
170 25.1 19.0 28.6



#50
Dimethylphthalate
Concen: 6.885 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BG044848.D
Acq: 18 Mar 2020 1:07

Tgt Ion:163 Resp: 144475
Ion Ratio Lower Upper
163 100
194 4.3 3.7 5.5
164 10.8 9.1 13.7





#54

2,4-Dinitrophenol

Concen: 8.374 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BG044848.D

Acq: 18 Mar 2020 1:07

Instrument :

BNA_G

ClientSampled :

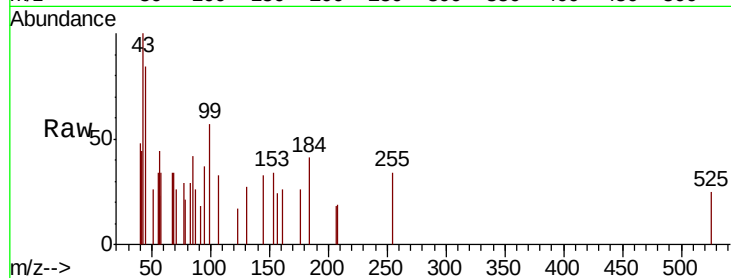
Tot Ion:184 Resp: 126

Ion Ratio Lower Upper

184 100

63 0.0 45.5 68.3#

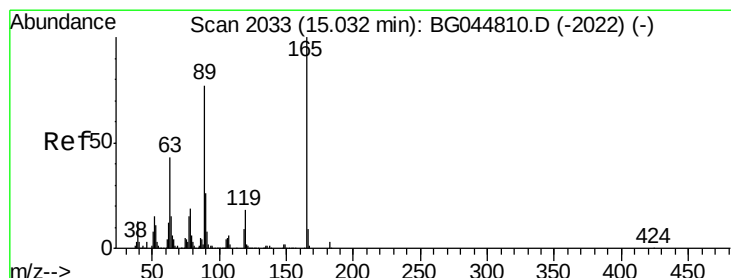
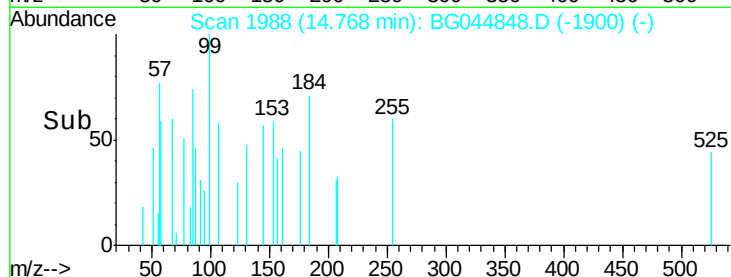
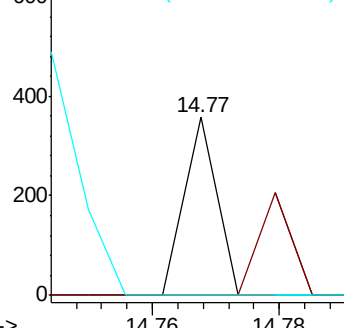
154 0.0 49.1 73.7#



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: 6.197 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.35 min

Lab File: BG044848.D

Acq: 18 Mar 2020 1:07

Tgt Ion:165 Resp: 35947

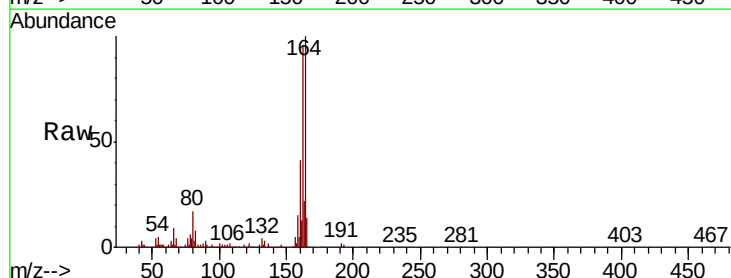
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 1.6 61.3 91.9#

182 0.0 2.2 3.2#

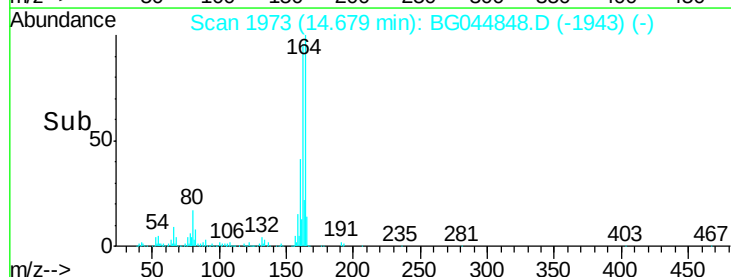
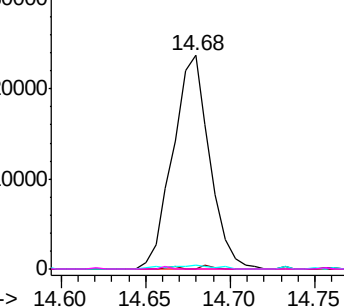


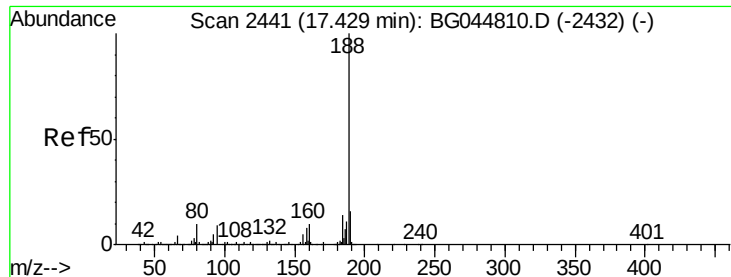
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG044848.D

Acq: 18 Mar 2020 1:07

Instrument :

BNA_G

ClientSampled :

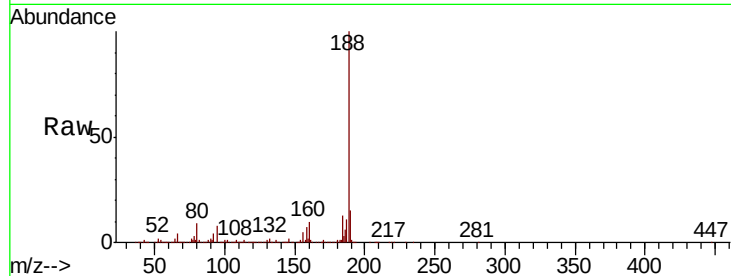
Tot Ion:188 Resp: 567978

Ion Ratio Lower Upper

188 100

94 8.1 7.3 10.9

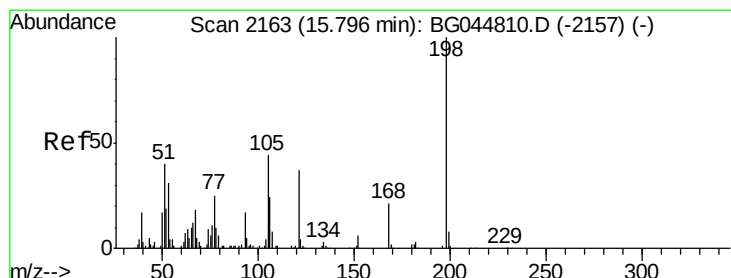
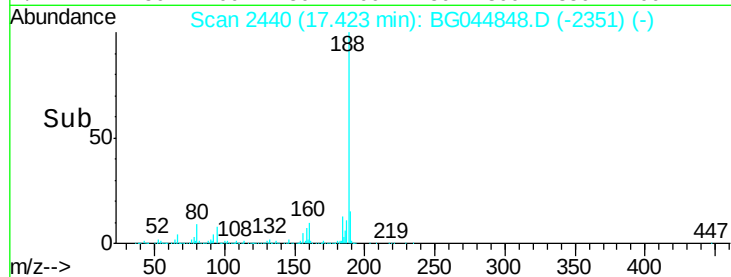
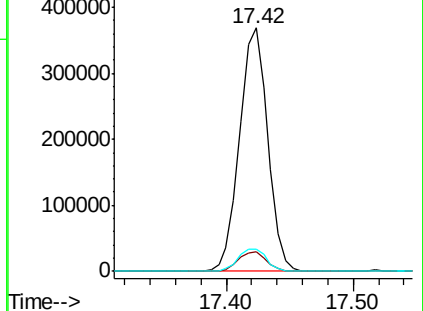
80 9.3 8.0 12.0



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: 8.637 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.36 min

Lab File: BG044848.D

Acq: 18 Mar 2020 1:07

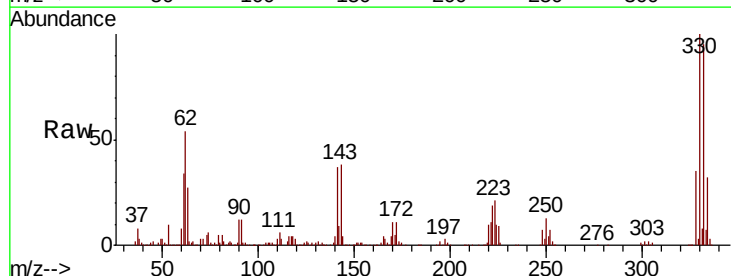
Tgt Ion:198 Resp: 2895

Ion Ratio Lower Upper

198 100

51 142.4 21.1 61.1#

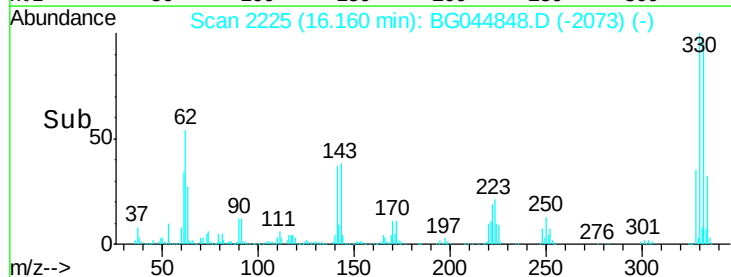
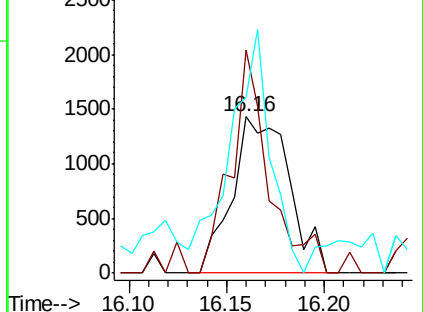
105 112.4 24.5 64.5#

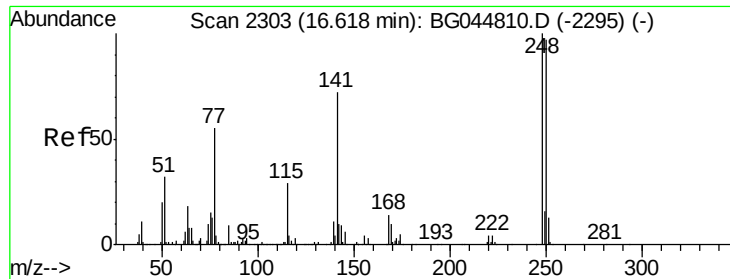


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

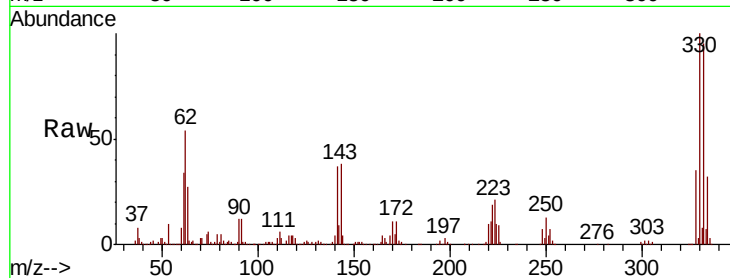




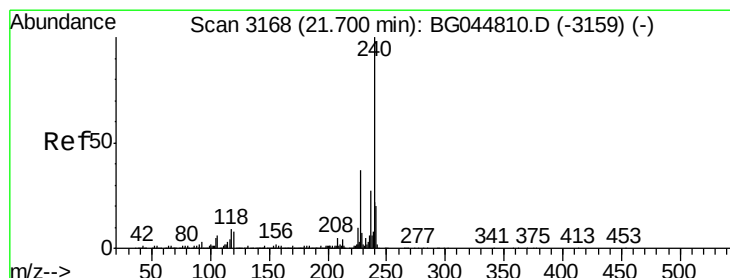
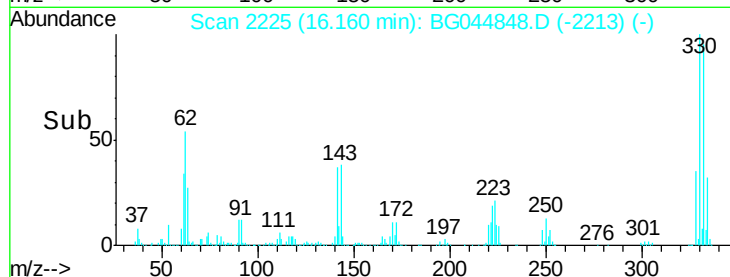
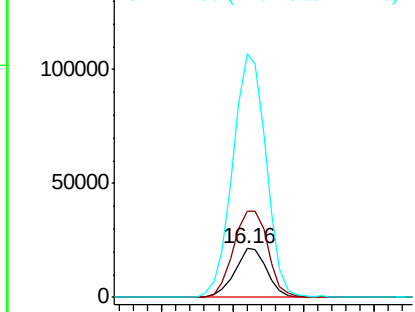
#67
4-Bromophenyl-phenylether
Concen: 4.727 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.46 min
Lab File: BG044848.D
Acq: 18 Mar 2020 1:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 33566
Ion Ratio Lower Upper
248 100
250 178.2 77.9 116.9#
141 501.8 57.5 86.3#

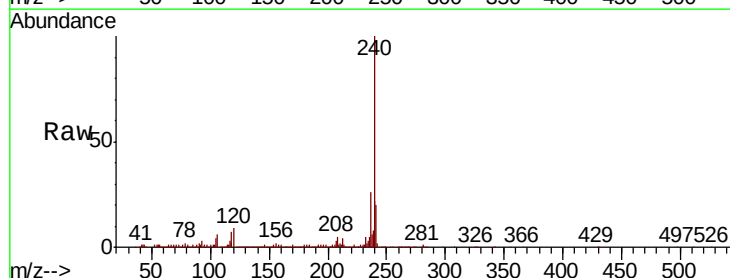


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

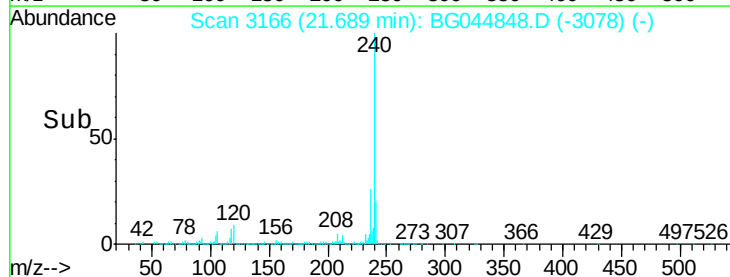
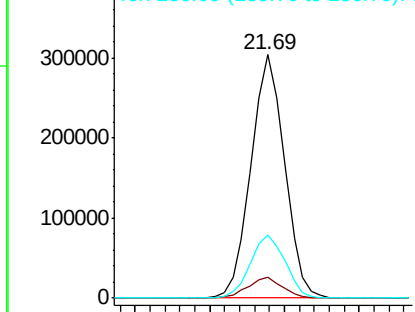


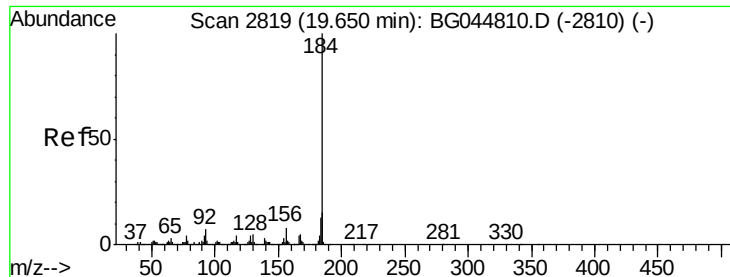
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG044848.D
Acq: 18 Mar 2020 1:07

Tgt Ion:240 Resp: 473764
Ion Ratio Lower Upper
240 100
120 8.8 6.7 10.1
236 26.1 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: 2.937 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.39 min

Lab File: BG044848.D

Acq: 18 Mar 2020 1:07

Instrument :

BNA_G

ClientSampleId :

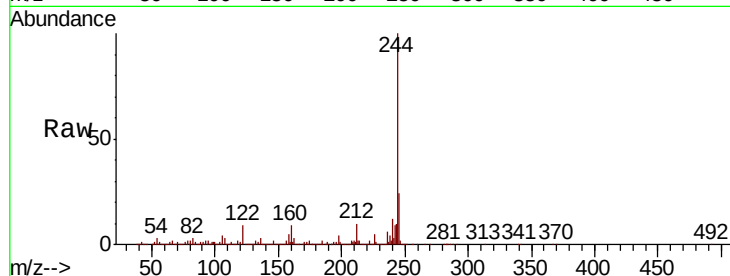
Tot Ion:184 Resp: 45175

Ion Ratio Lower Upper

184 100

185 16.8 12.2 18.4

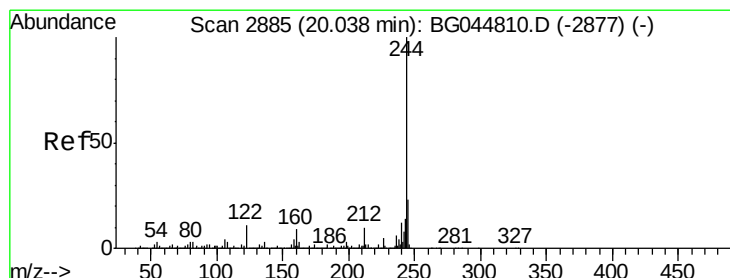
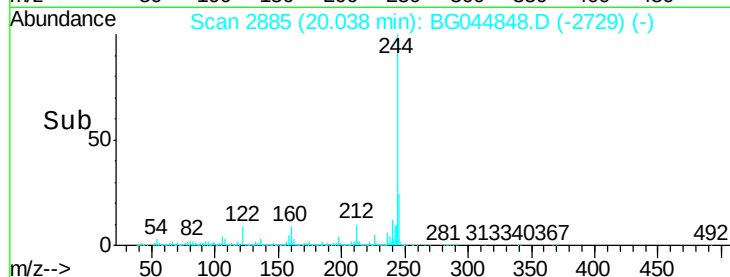
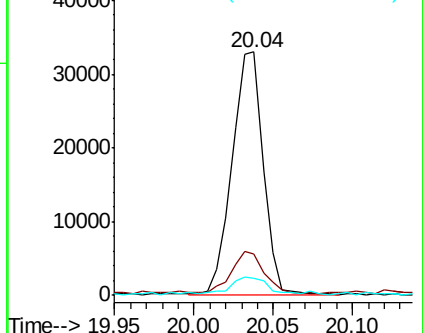
183 7.1 10.7 16.1#



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: 85.379 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044848.D

Acq: 18 Mar 2020 1:07

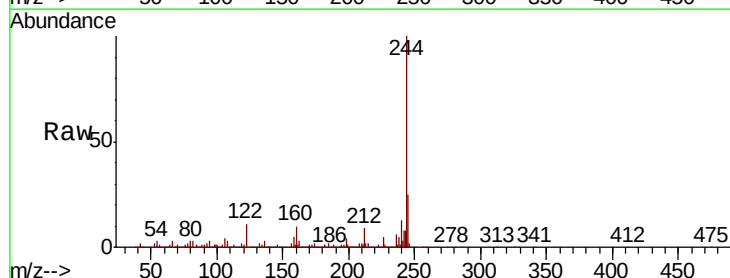
Tgt Ion:244 Resp: 2162444

Ion Ratio Lower Upper

244 100

212 9.4 7.7 11.5

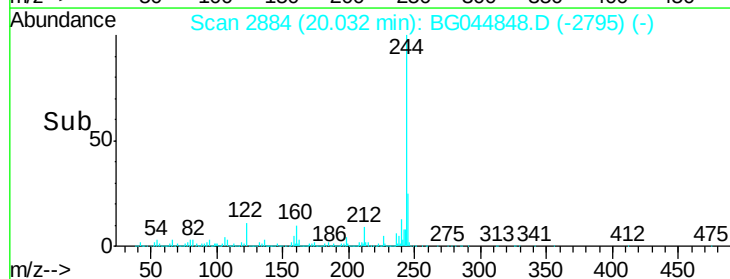
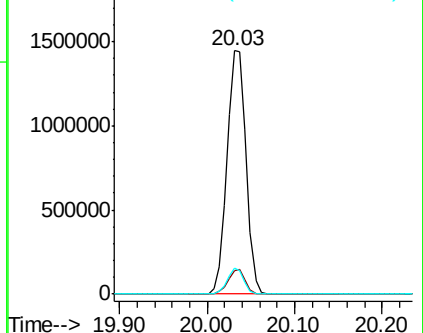
122 10.7 8.6 12.8

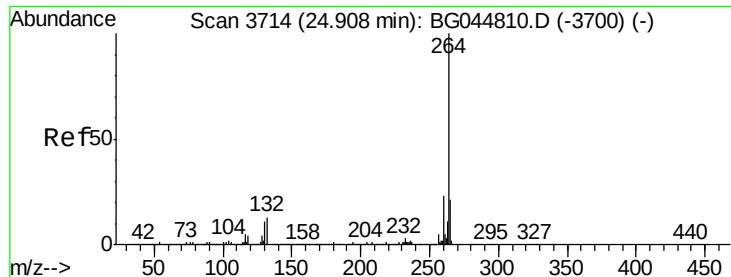


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3711
Delta R.T. -0.02 min
Lab File: BG044848.D
Acq: 18 Mar 2020 1:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.1	27.1
265	21.9	17.1	25.7

