

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044858.D
 Acq On : 18 Mar 2020 9:40
 Operator : CG/JU
 Sample : PB127536TB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 18 11:48:25 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	83115	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	336552	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	231696	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	531200	20.00	ng	0.00
76) Chrysene-d12	21.69	240	484297	20.00	ng	-0.01
87) Perylene-d12	24.89	264	534329	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	547392	102.52	ng	0.00
7) Phenol-d6	7.20	99	767268	98.91	ng	0.00
23) Nitrobenzene-d5	9.20	82	497519	64.87	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	333774	110.02	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1090399	67.39	ng	0.00
79) Terphenyl-d14	20.03	244	1791454	69.19	ng	0.00

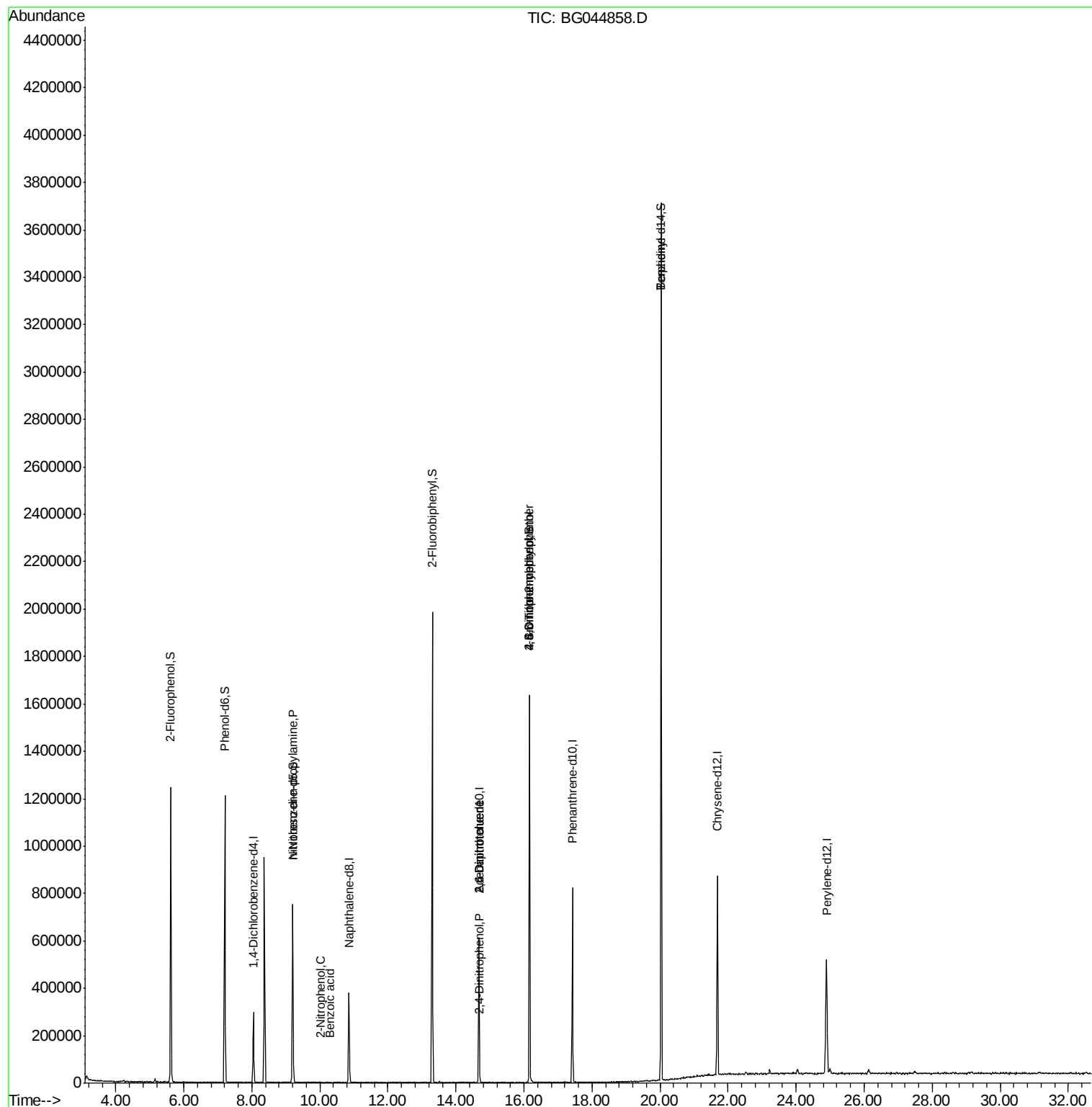
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	734	Below Cal		# 16
19) n-Nitroso-di-n-propylamine	9.20	70	67029	12.237	ng	# 72
26) 2-Nitrophenol	10.01	139	85	5.542	ng	# 28
32) Benzoic acid	10.29	122	55	9.681	ng	# 1
51) 2,6-Dinitrotoluene	14.67	165	29628	7.965	ng	# 21
54) 2,4-Dinitrophenol	14.70	184	71	8.355	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	29628	5.808	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.16	198	1246	8.146	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	22800	3.433	ng	# 1
77) Benzidine	20.03	184	31808	2.023	ng	# 90

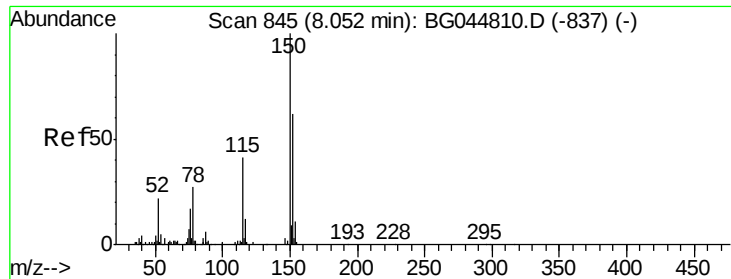
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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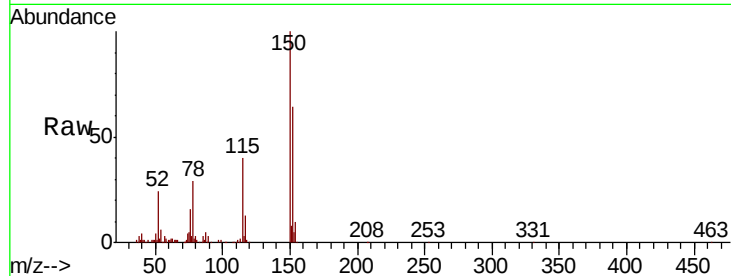


#1

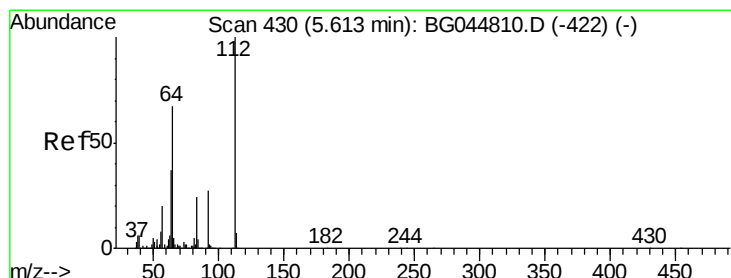
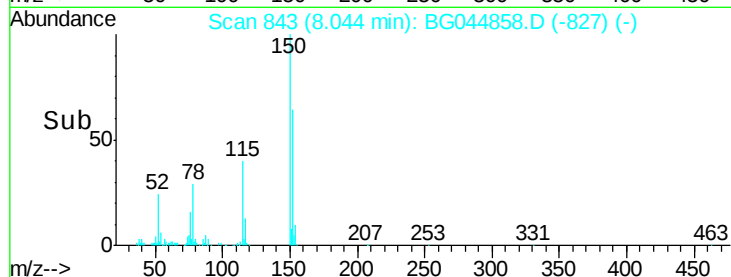
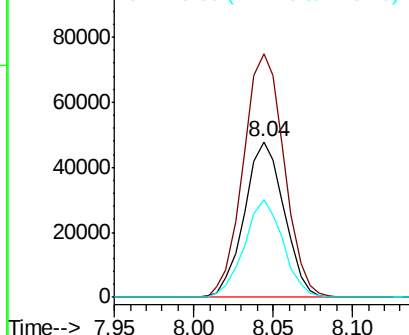
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044858.D
Acq: 18 Mar 2020 9:40

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 83115
Ion Ratio Lower Upper
152 100
150 156.2 128.8 193.2
115 62.6 52.6 79.0



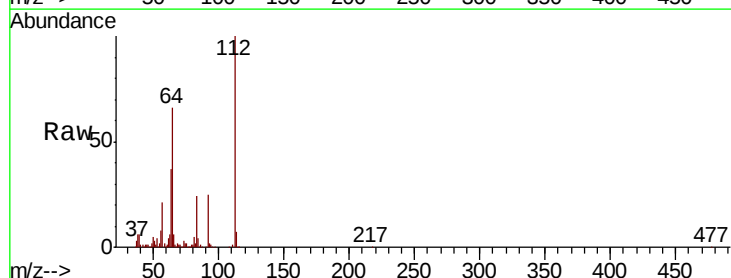
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



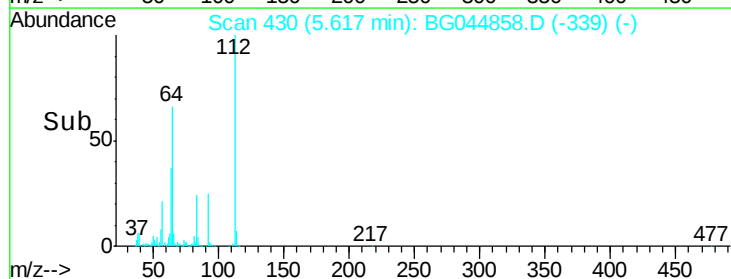
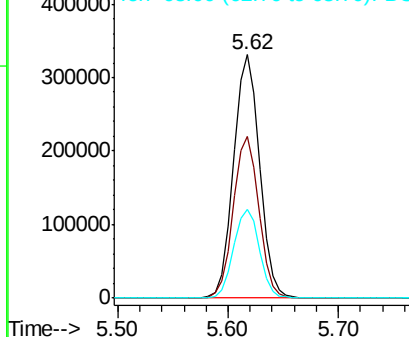
#5

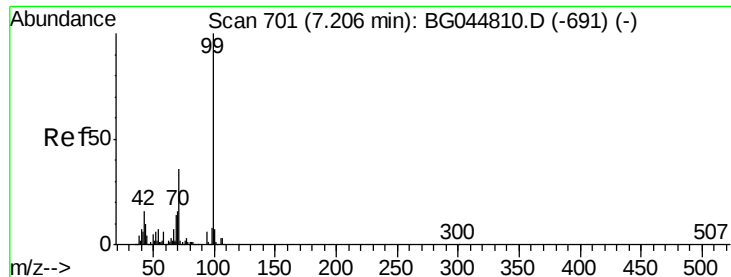
2-Fluorophenol
Concen: 102.523 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044858.D
Acq: 18 Mar 2020 9:40

Tgt Ion:112 Resp: 547392
Ion Ratio Lower Upper
112 100
64 66.3 53.4 80.2
63 36.6 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 98.907 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044858.D

Acq: 18 Mar 2020 9:40

Instrument :

BNA_G

ClientSampleId :

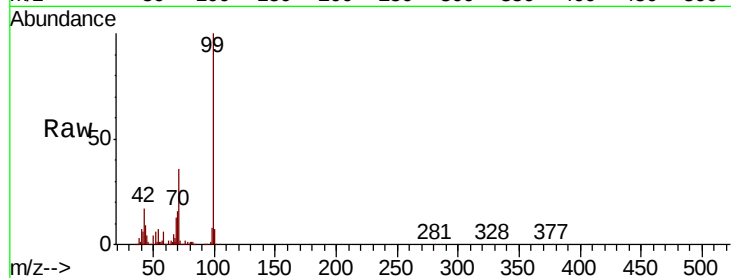
Tot Ion: 99 Resp: 767268

Ion Ratio Lower Upper

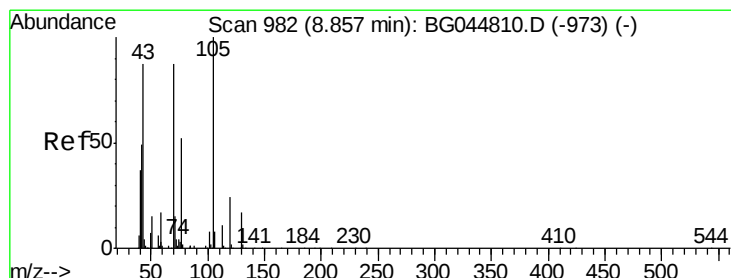
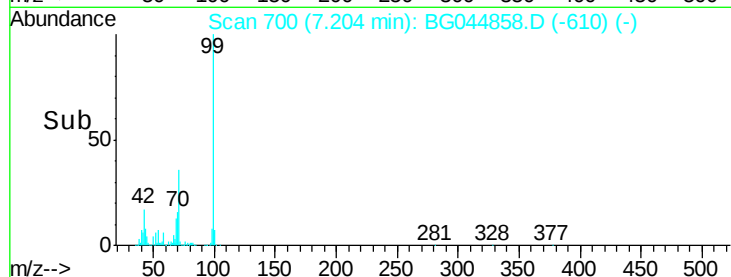
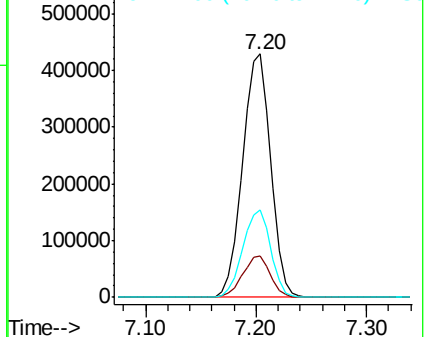
99 100

42 16.8 12.6 19.0

71 36.1 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: 12.237 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044858.D

Acq: 18 Mar 2020 9:40

Tgt Ion: 70 Resp: 67029

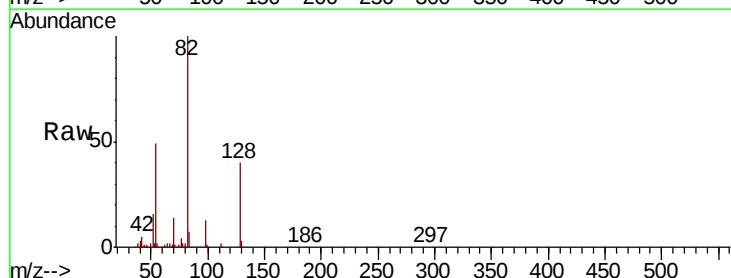
Ion Ratio Lower Upper

70 100

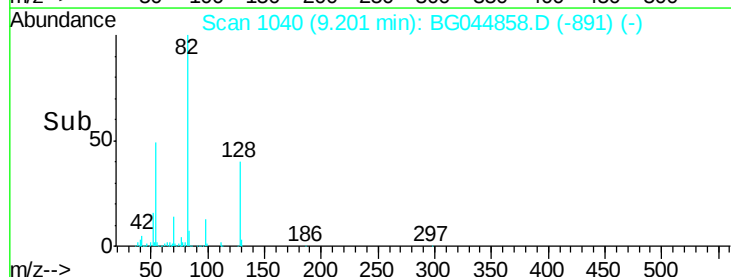
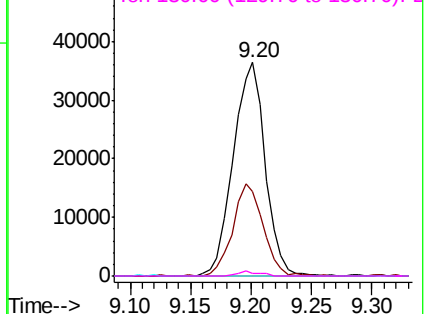
42 39.7 45.7 68.5#

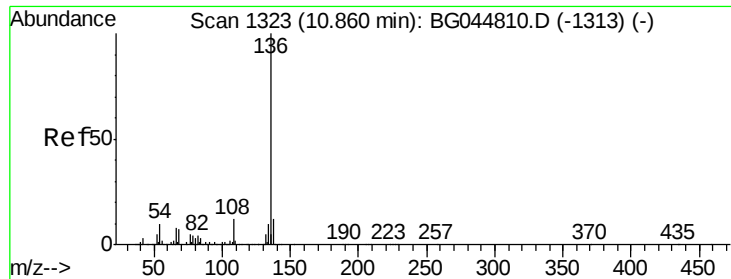
101 0.0 7.4 11.2#

130 1.4 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

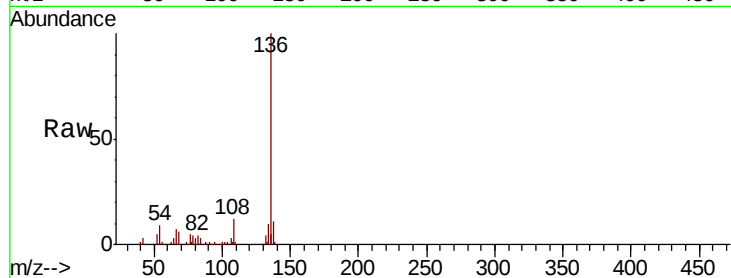




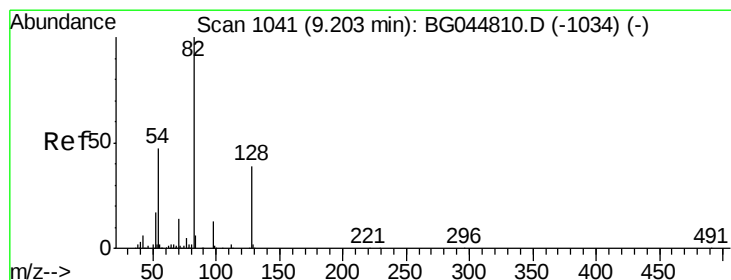
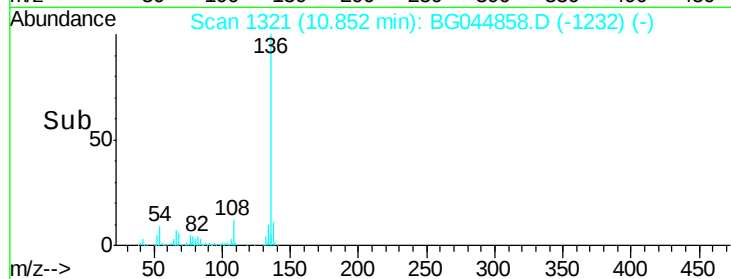
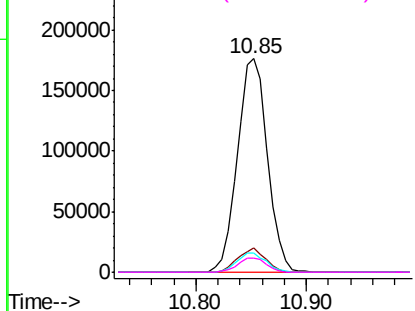
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044858.D
Acq: 18 Mar 2020 9:40

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	336552
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.8 14.6
54	8.9	7.9 11.9
68	6.3	5.4 8.0

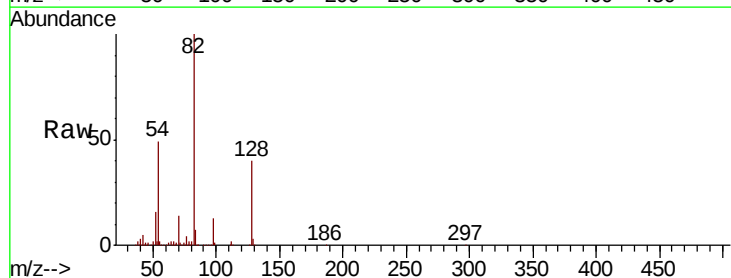


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

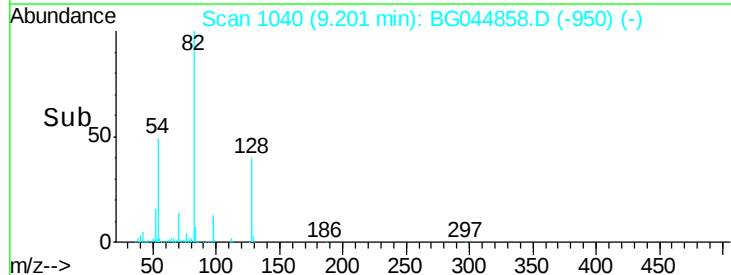
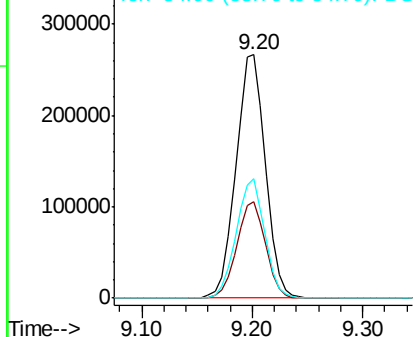


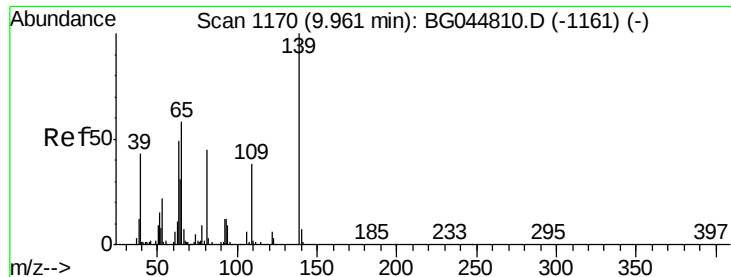
#23
Nitrobenzene-d5
Concen: 64.869 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044858.D
Acq: 18 Mar 2020 9:40

Tgt Ion: 82	Resp:	497519
Ion Ratio	Lower	Upper
82	100	
128	39.9	30.6 46.0
54	49.3	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: 5.542 ng

RT: 10.01 min Scan# 1177

Delta R.T. 0.05 min

Lab File: BG044858.D

Acq: 18 Mar 2020 9:40

Instrument :

BNA_G

ClientSampleId :

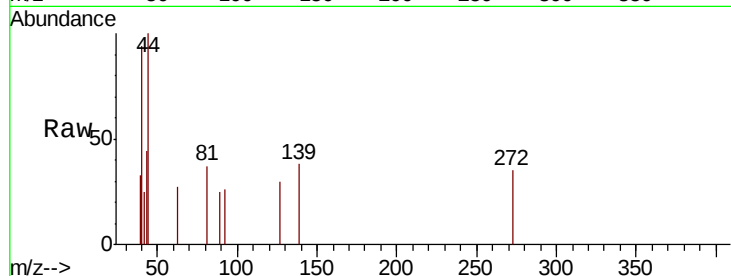
Tot Ion:139 Resp: 85

Ion Ratio Lower Upper

139 100

109 0.0 30.2 45.4#

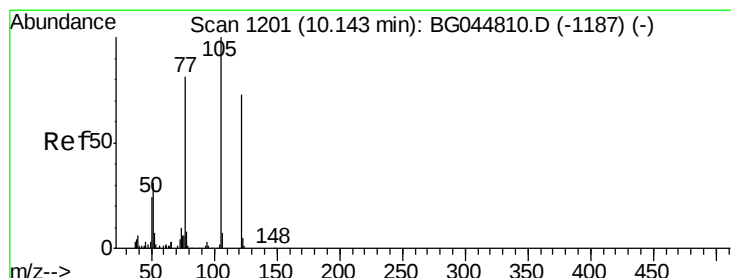
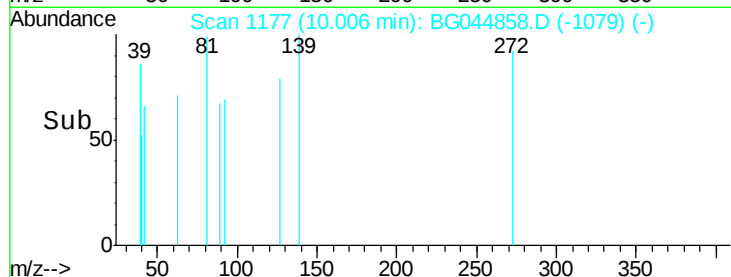
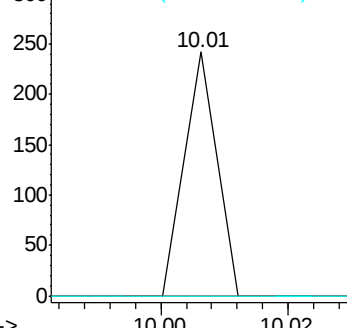
65 0.0 46.3 69.5#



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): BGC



#32

Benzoic acid

Concen: 9.681 ng

RT: 10.29 min Scan# 1225

Delta R.T. 0.14 min

Lab File: BG044858.D

Acq: 18 Mar 2020 9:40

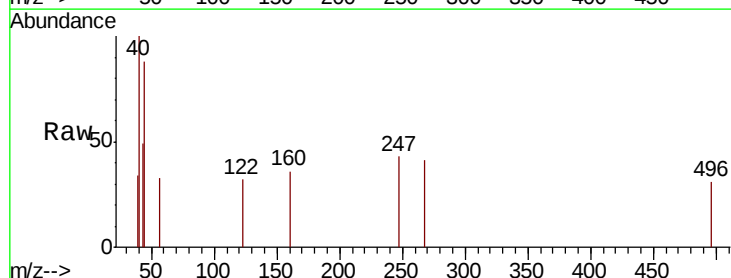
Tgt Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 109.1 149.1#

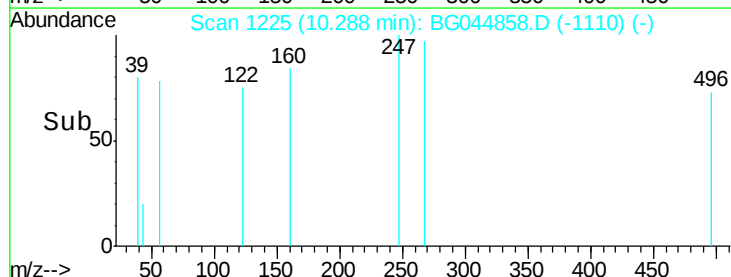
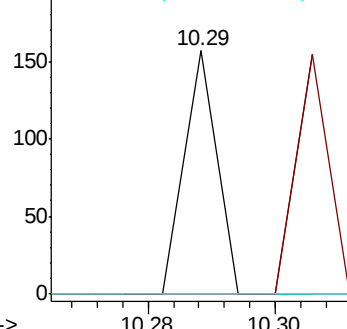
77 0.0 85.3 125.3#

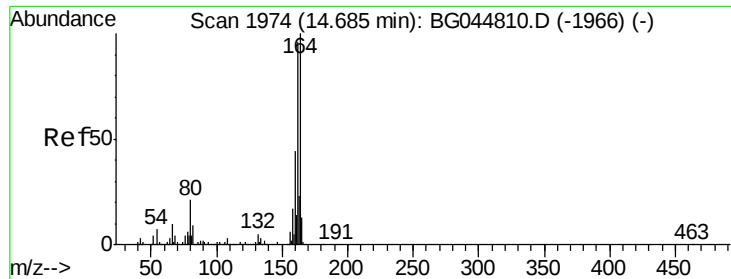


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044858.D

Acq: 18 Mar 2020 9:40

Instrument :

BNA_G

ClientSampleId :

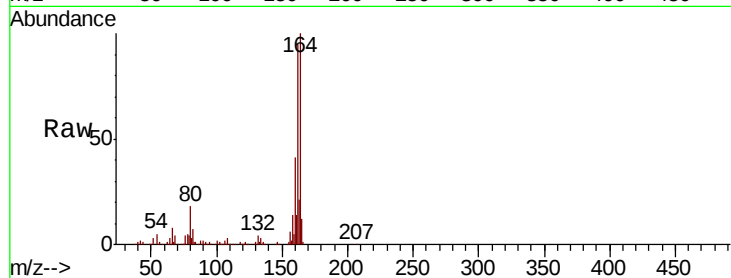
Tot Ion:164 Resp: 231696

Ion Ratio Lower Upper

164 100

162 94.7 76.7 115.1

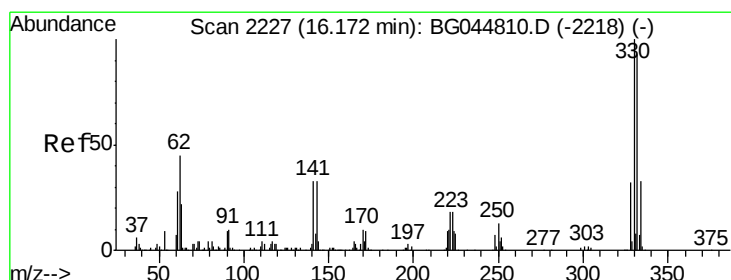
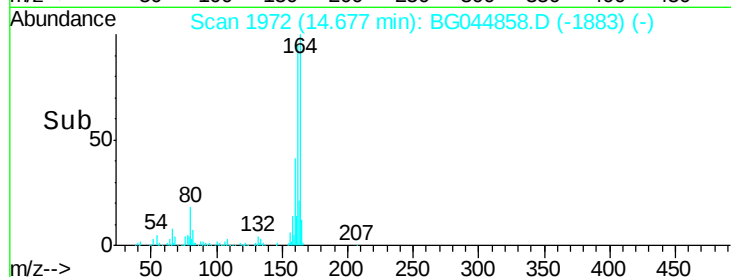
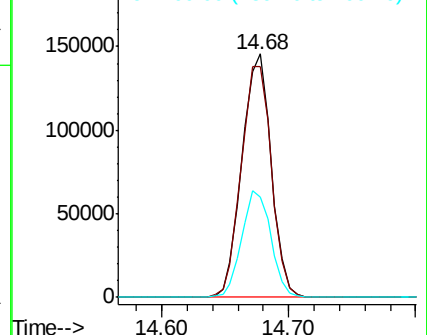
160 41.0 35.0 52.4



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: 110.022 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044858.D

Acq: 18 Mar 2020 9:40

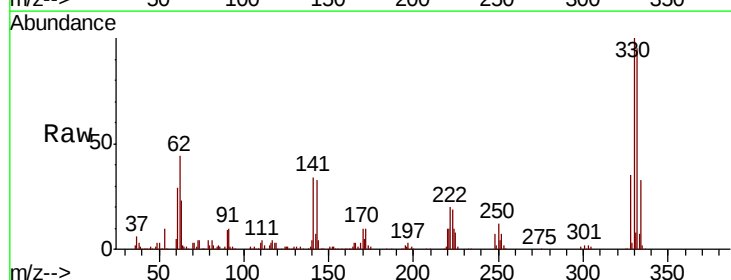
Tgt Ion:330 Resp: 333774

Ion Ratio Lower Upper

330 100

332 95.7 77.8 116.6

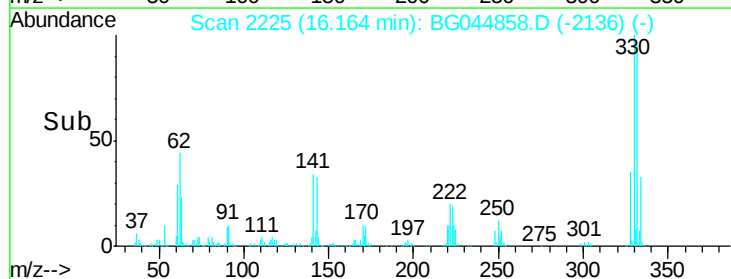
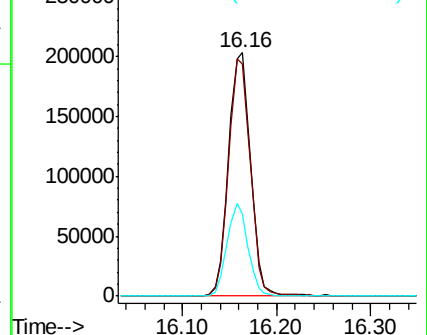
141 36.4 29.5 44.3

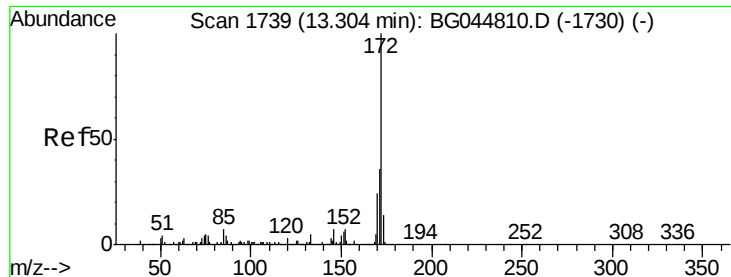


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

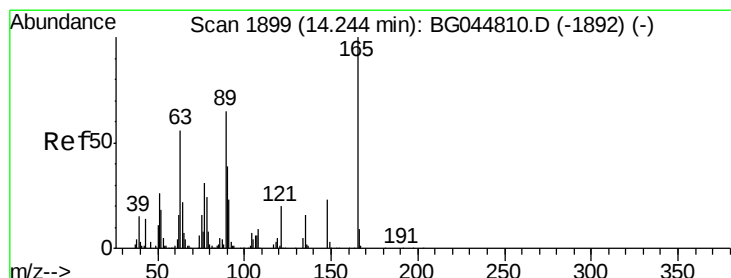
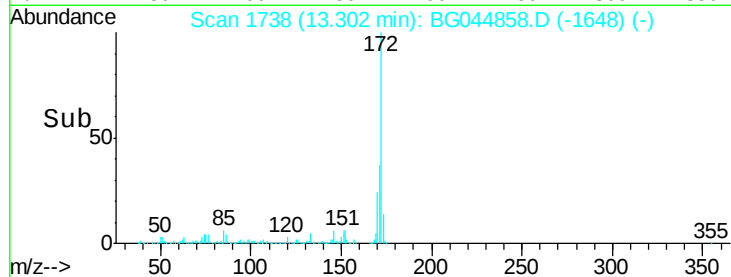
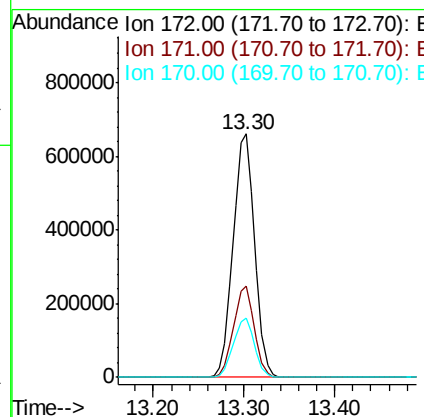
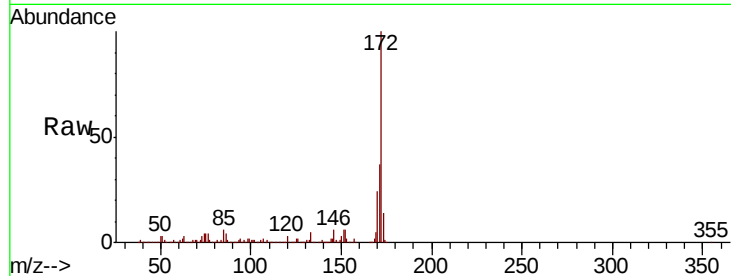




#45
 2-Fluorobiphenyl
 Concen: 67.394 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG044858.D
 Acq: 18 Mar 2020 9:40

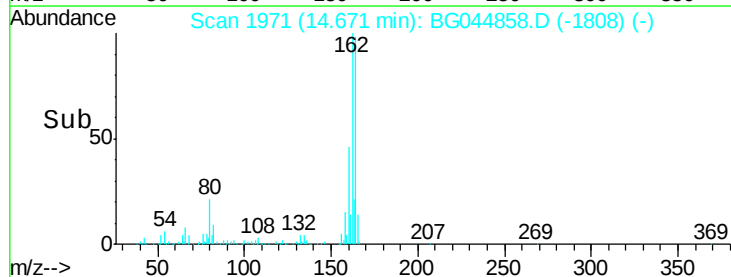
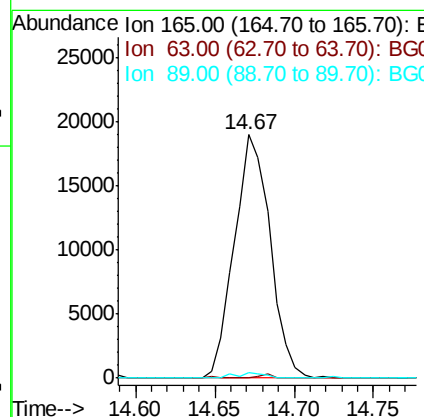
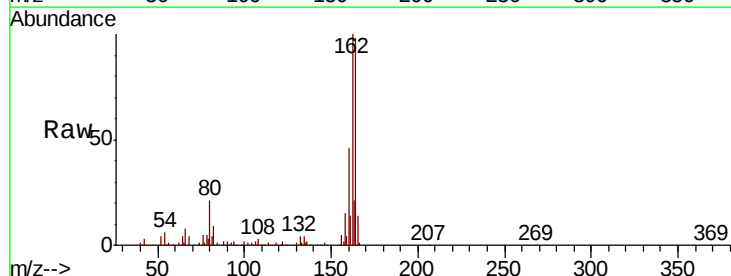
Instrument :
 BNA_G
 ClientSampleId :

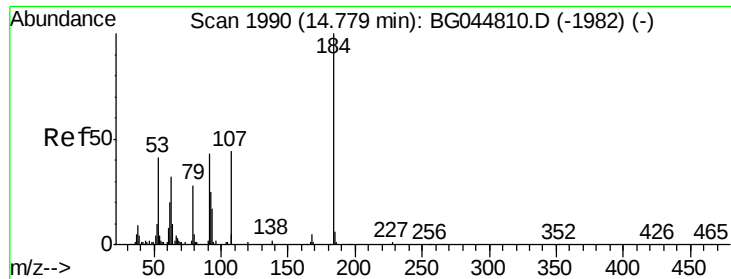
Tot Ion:172 Resp: 1090399
 Ion Ratio Lower Upper
 172 100
 171 37.4 28.7 43.1
 170 24.3 19.0 28.6



#51
 2,6-Dinitrotoluene
 Concen: 7.965 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.43 min
 Lab File: BG044858.D
 Acq: 18 Mar 2020 9:40

Tgt Ion:165 Resp: 29628
 Ion Ratio Lower Upper
 165 100
 63 0.0 45.8 68.8#
 89 2.3 51.8 77.6#





#54

2,4-Dinitrophenol

Concen: 8.355 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.08 min

Lab File: BG044858.D

Acq: 18 Mar 2020 9:40

Instrument :

BNA_G

ClientSampleId :

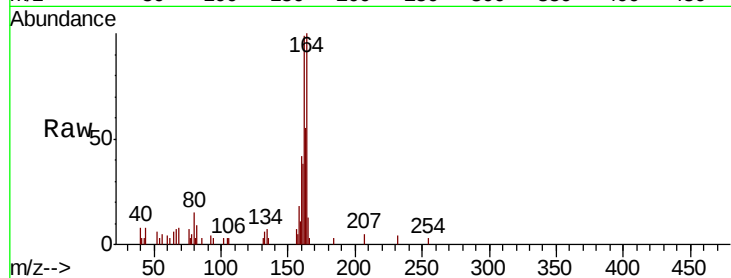
Tot Ion:184 Resp: 71

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

800

600

400

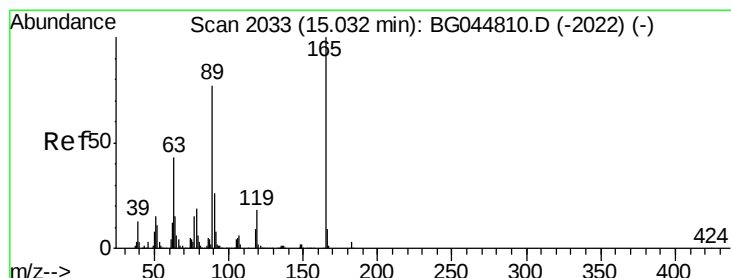
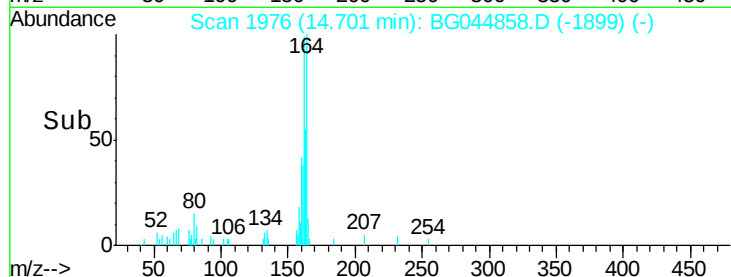
200

0

14.68 14.70 14.72

14.70

Time-->



#57

2,4-Dinitrotoluene

Concen: 5.808 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.36 min

Lab File: BG044858.D

Acq: 18 Mar 2020 9:40

Tgt Ion:165 Resp: 29628

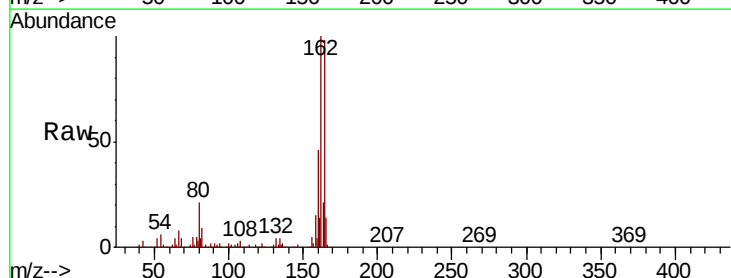
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 2.3 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

30000

25000

20000

15000

10000

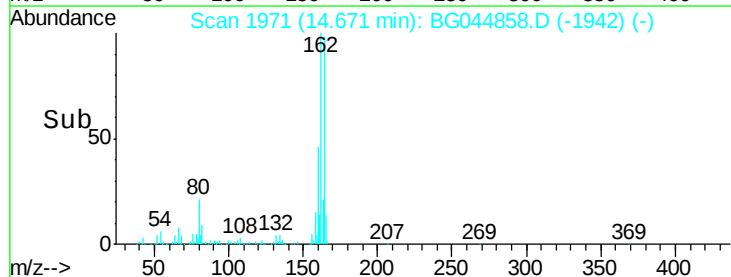
5000

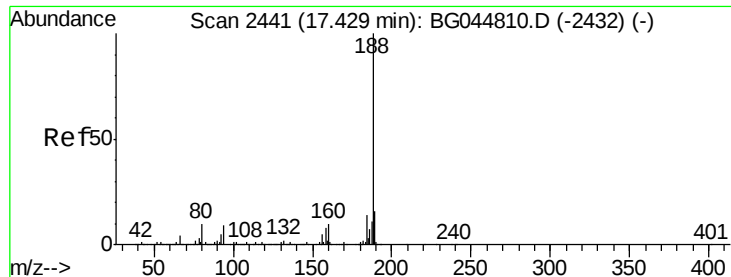
0

14.60 14.65 14.70 14.75

14.67

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044858.D

Acq: 18 Mar 2020 9:40

Instrument :

BNA_G

ClientSampleId :

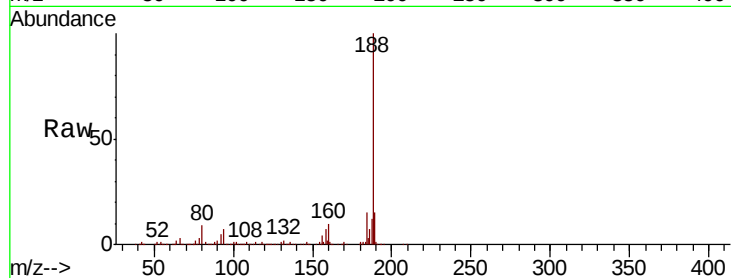
Tot Ion:188 Resp: 531200

Ion Ratio Lower Upper

188 100

94 6.9 7.3 10.9#

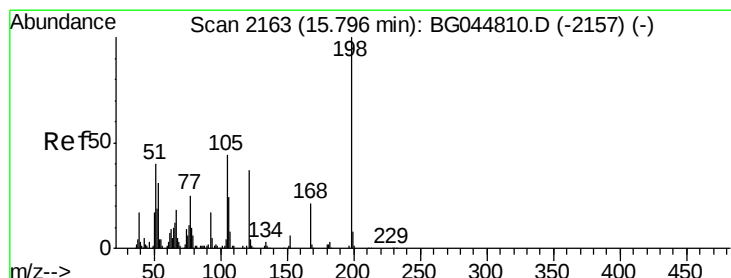
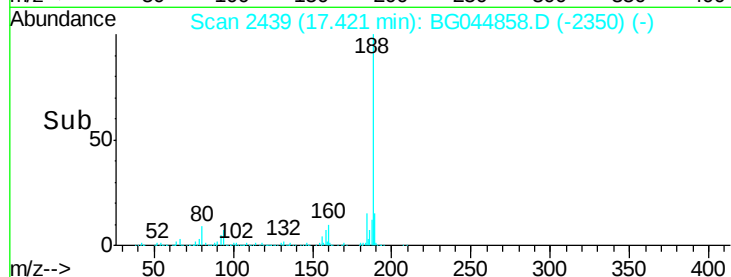
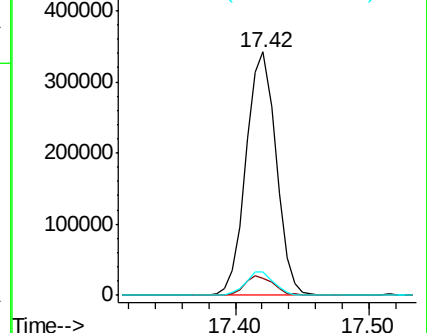
80 9.4 8.0 12.0



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: 8.146 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.36 min

Lab File: BG044858.D

Acq: 18 Mar 2020 9:40

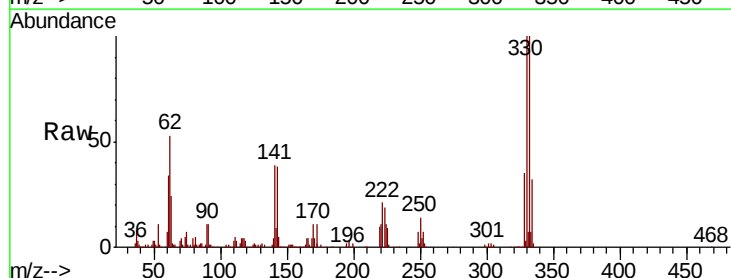
Tgt Ion:198 Resp: 1246

Ion Ratio Lower Upper

198 100

51 128.4 21.1 61.1#

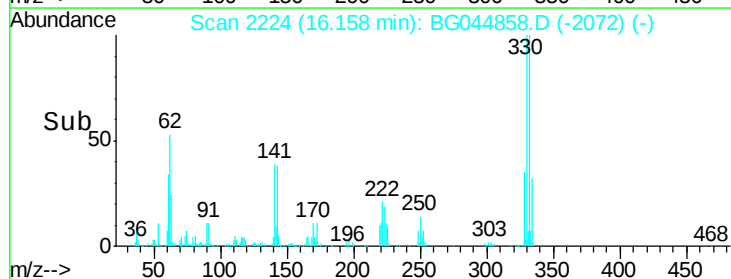
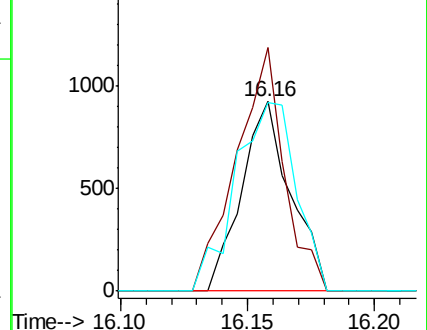
105 99.4 24.5 64.5#

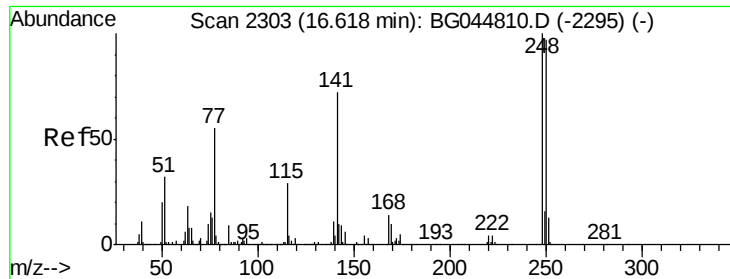


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

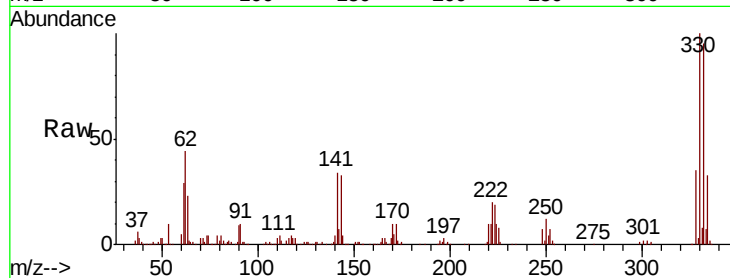




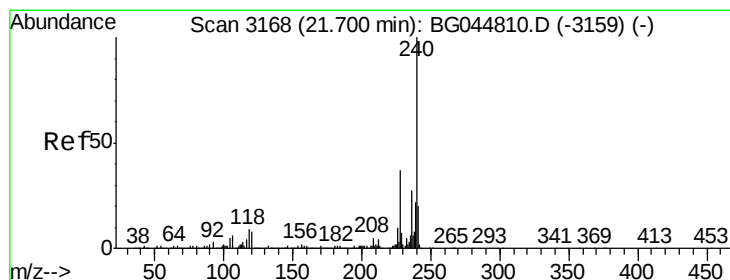
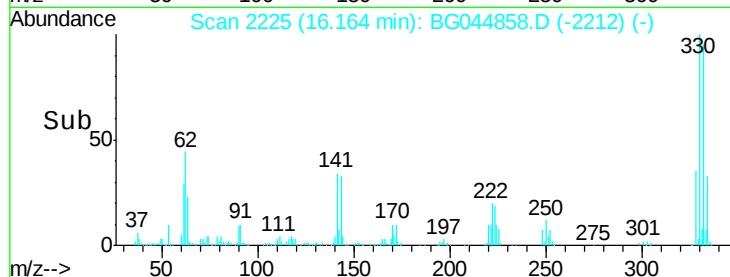
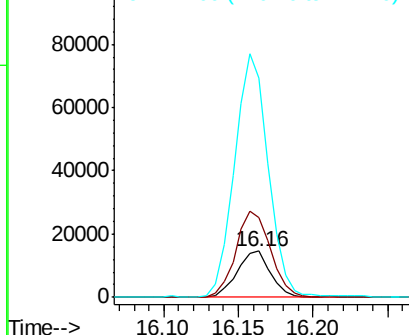
#67
4-Bromophenyl-phenylether
Concen: 3.433 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.45 min
Lab File: BG044858.D
Acq: 18 Mar 2020 9:40

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 22800
Ion Ratio Lower Upper
248 100
250 173.3 77.9 116.9#
141 475.7 57.5 86.3#

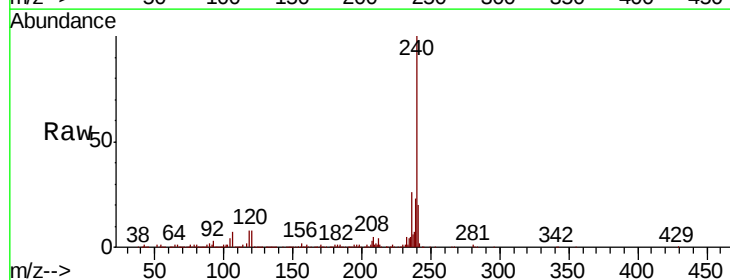


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

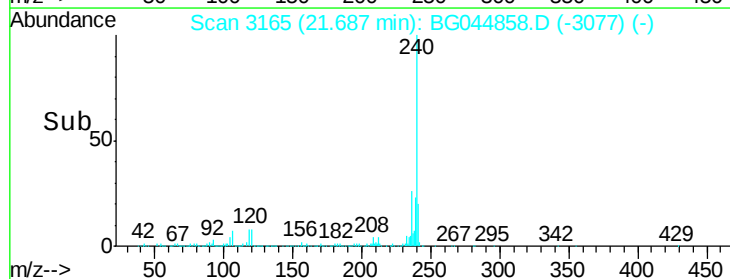
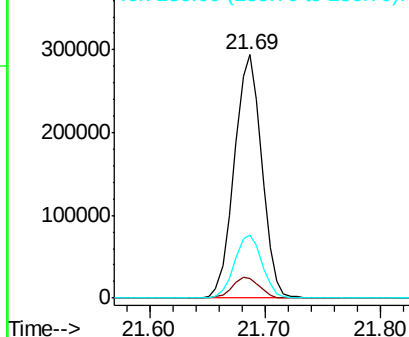


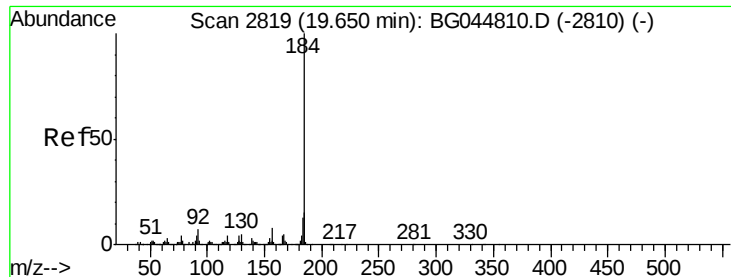
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG044858.D
Acq: 18 Mar 2020 9:40

Tgt Ion:240 Resp: 484297
Ion Ratio Lower Upper
240 100
120 7.9 6.7 10.1
236 25.7 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: 2.023 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG044858.D

Acq: 18 Mar 2020 9:40

Instrument :

BNA_G

ClientSampleId :

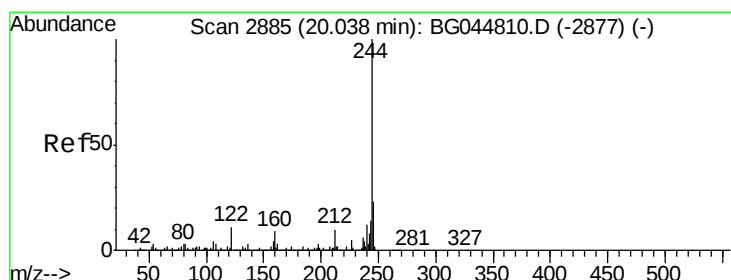
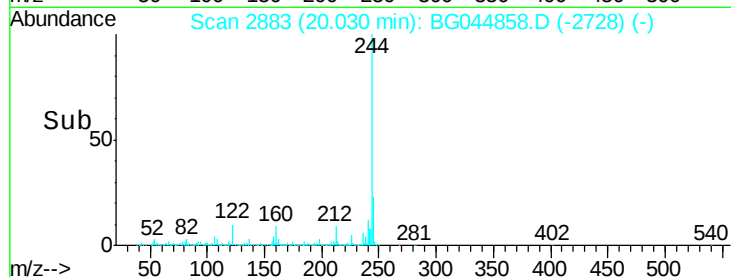
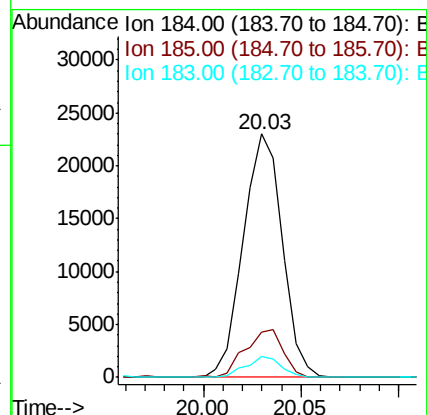
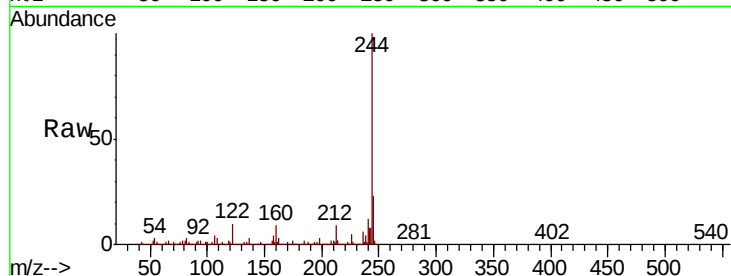
Tot Ion:184 Resp: 31808

Ion Ratio Lower Upper

184 100

185 18.5 12.2 18.4#

183 8.6 10.7 16.1#



#79

Terphenyl-d14

Concen: 69.193 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG044858.D

Acq: 18 Mar 2020 9:40

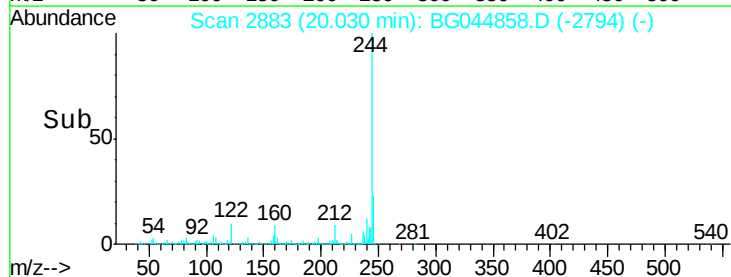
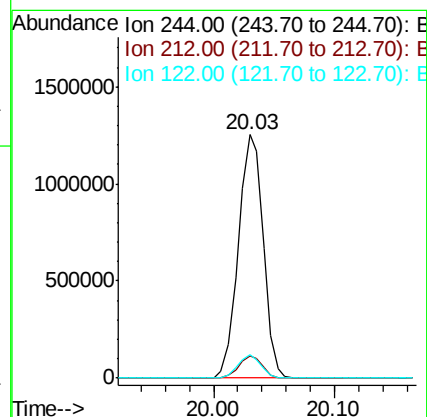
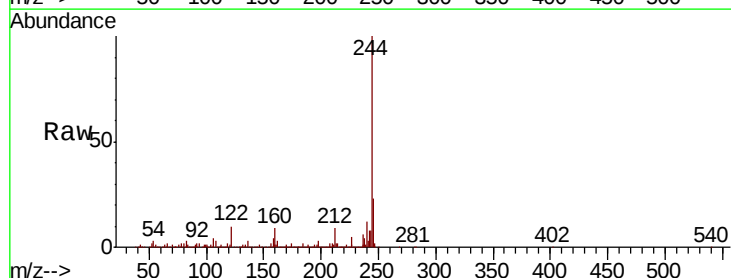
Tgt Ion:244 Resp: 1791454

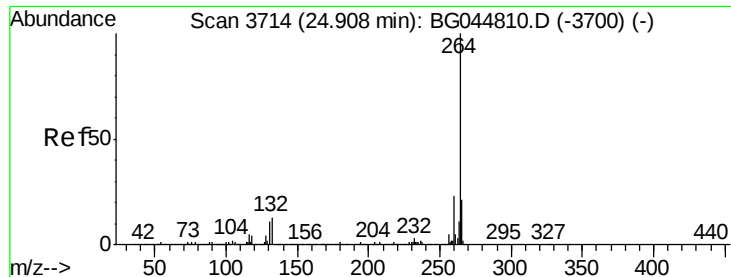
Ion Ratio Lower Upper

244 100

212 9.1 7.7 11.5

122 9.9 8.6 12.8

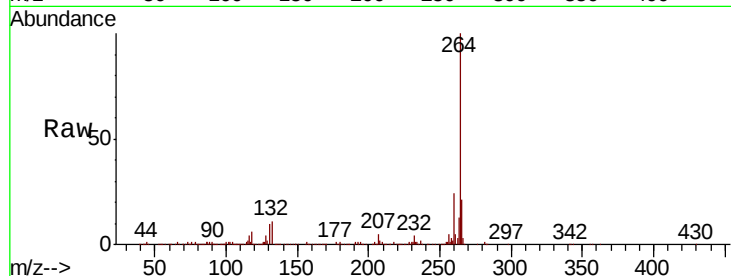




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3711
 Delta R.T. -0.01 min
 Lab File: BG044858.D
 Acq: 18 Mar 2020 9:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.1	27.1
265	21.4	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

