

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032020\
 Data File : BG044924.D
 Acq On : 20 Mar 2020 17:54
 Operator : CG/JU
 Sample : L1981-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-1-COMP-3-19-2020

Quant Time: Mar 21 00:43:45 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	81739	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	321524	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	210550	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	457385	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	470624	20.00	ng	-0.01
87) Perylene-d12	24.89	264	524870	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	189653	36.12	ng	0.00
7) Phenol-d6	7.20	99	165435	21.68	ng	0.00
23) Nitrobenzene-d5	9.20	82	593767	81.04	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	251426	91.20	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1219475	82.94	ng	0.00
79) Terphenyl-d14	20.03	244	1570319	62.41	ng	0.00

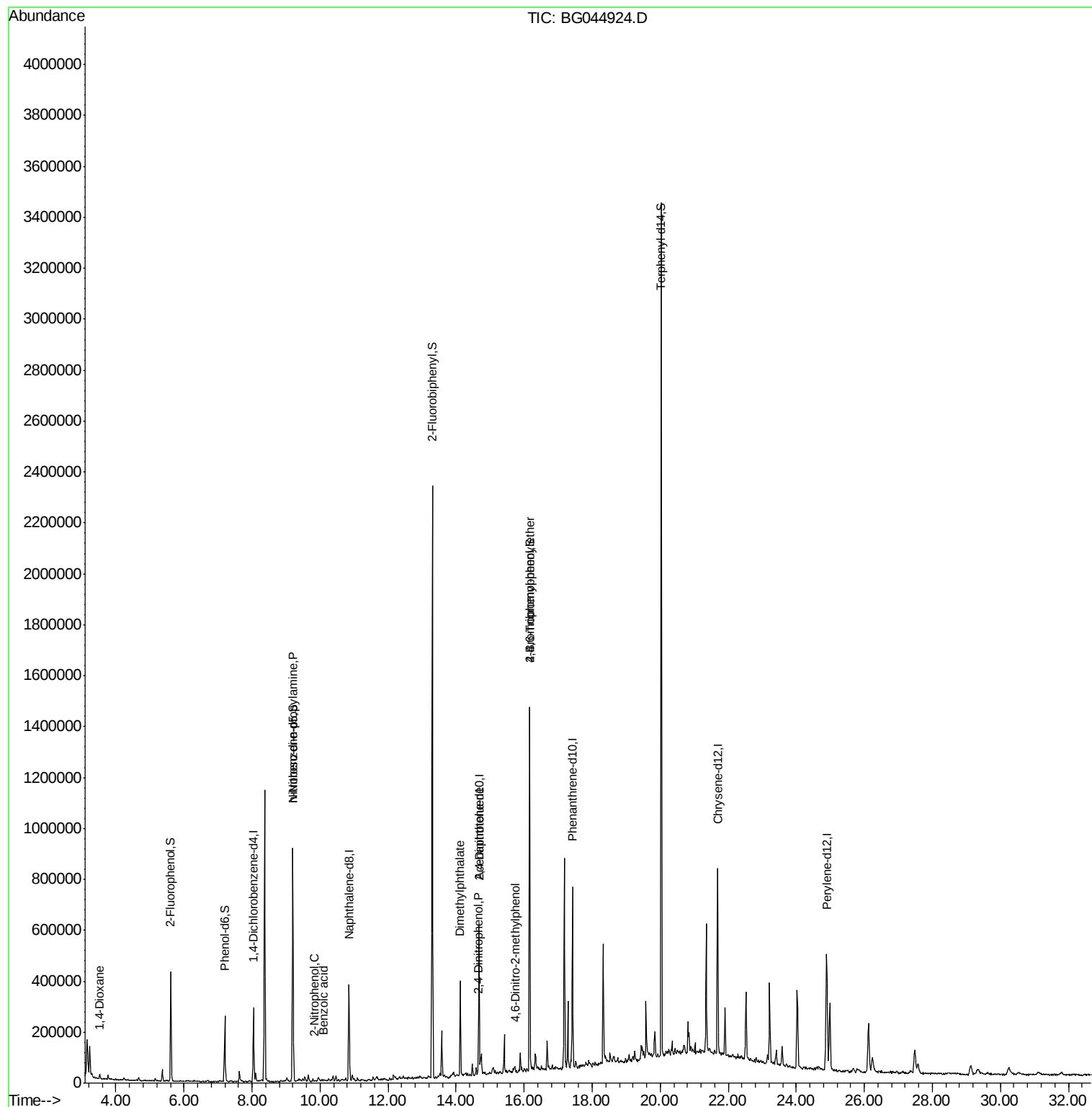
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.52	88	12883	5.10	ng	93
9) Benzaldehyde	7.17	77	1890	Below Cal	#	73
19) n-Nitroso-di-n-propylamine	9.20	70	79696	14.79	ng	78
26) 2-Nitrophenol	9.83	139	56	5.53	ng	1
32) Benzoic acid	10.10	122	153	9.70	ng	64
50) Dimethylphthalate	14.12	163	231563	13.81	ng	98
54) 2,4-Dinitrophenol	14.65	184	54	8.35	ng	1
57) 2,4-Dinitrotoluene	14.67	165	27234	5.87	ng	25
65) 4,6-Dinitro-2-methylphenol	15.74	198	86	7.76	ng	1
67) 4-Bromophenyl-phenylether	16.16	248	17452	3.05	ng	1

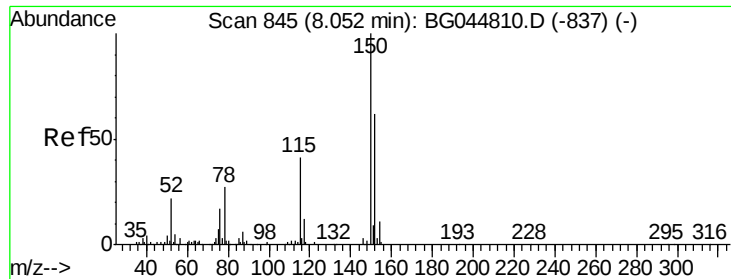
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

Instrument :

BNA_G

ClientSampleId :

MH-1-COMP-3-19-2020

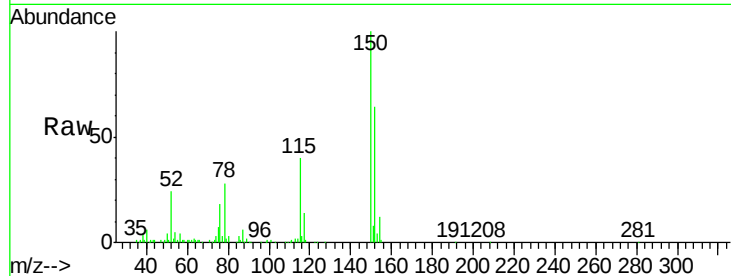
Tgt Ion:152 Resp: 81739

Ion Ratio Lower Upper

152 100

150 155.3 128.8 193.2

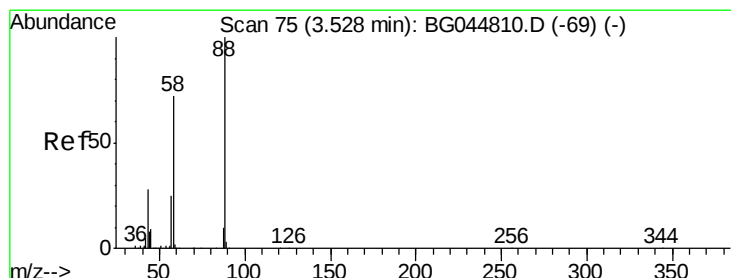
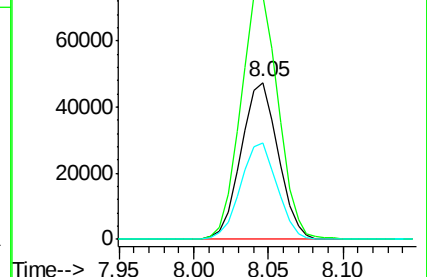
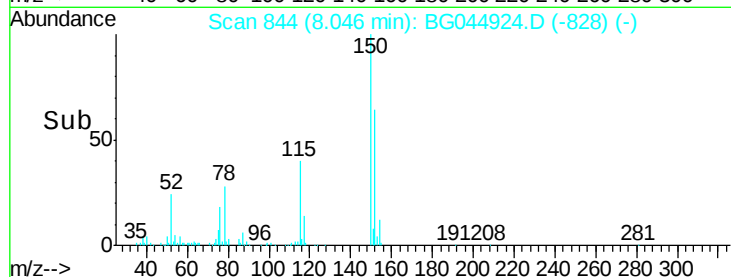
115 61.6 52.6 79.0



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



#2

1,4-Dioxane

Concen: 5.10 ng

RT: 3.52 min Scan# 74

Delta R.T. -0.01 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

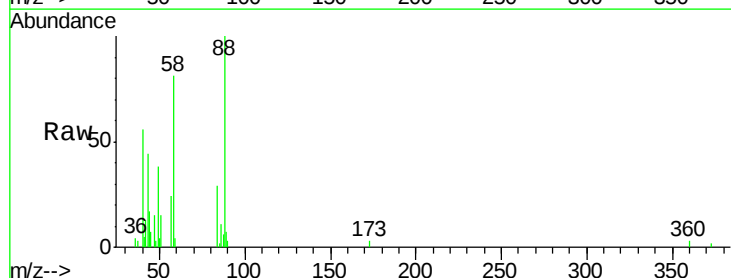
Tgt Ion: 88 Resp: 12883

Ion Ratio Lower Upper

88 100

58 71.0 63.0 94.4

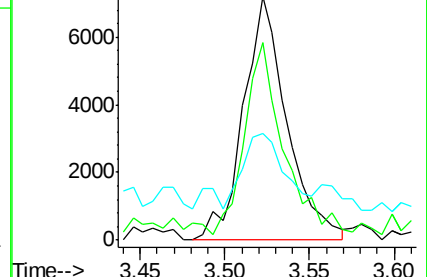
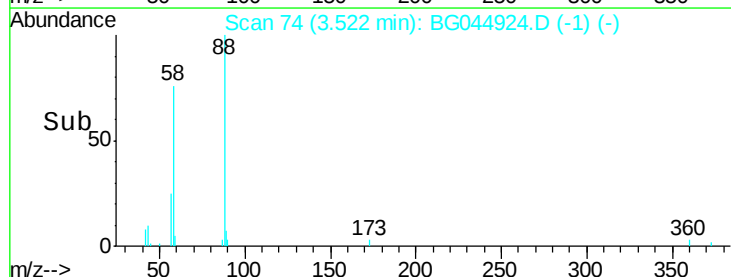
43 29.3 24.8 37.2

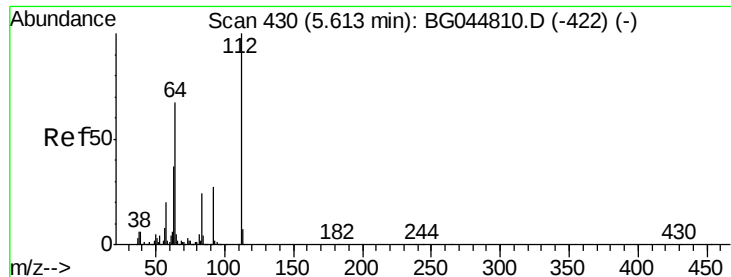


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 36.12 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

Instrument :

BNA_G

ClientSampleId :

MH-1-COMP-3-19-2020

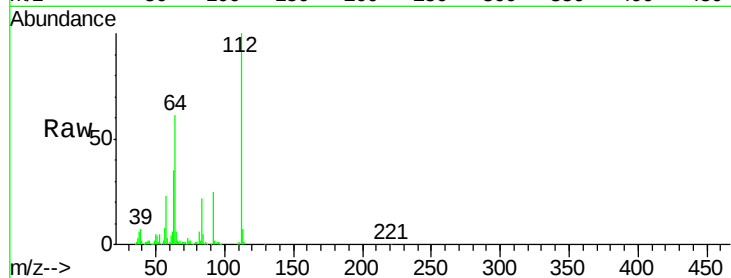
Tgt Ion: 112 Resp: 189653

Ion Ratio Lower Upper

112 100

64 60.8 53.4 80.2

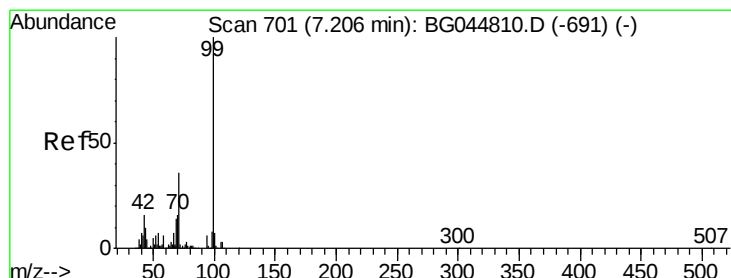
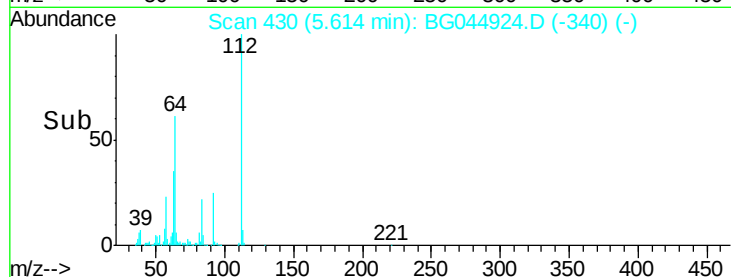
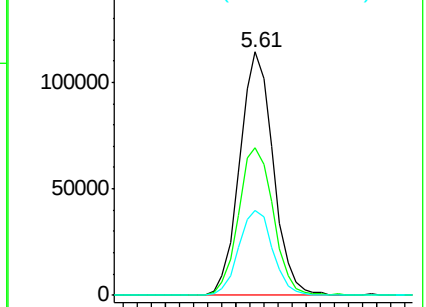
63 35.0 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 21.68 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

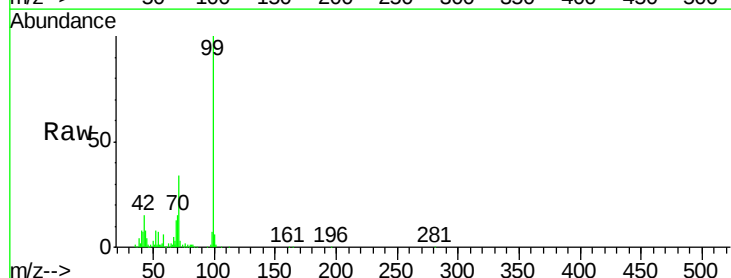
Tgt Ion: 99 Resp: 165435

Ion Ratio Lower Upper

99 100

42 15.0 12.6 19.0

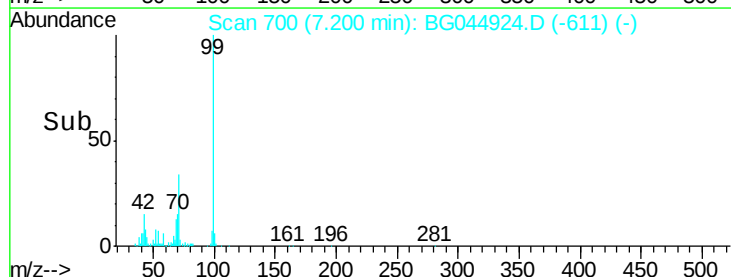
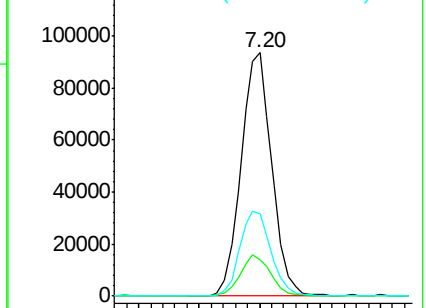
71 33.9 29.0 43.4

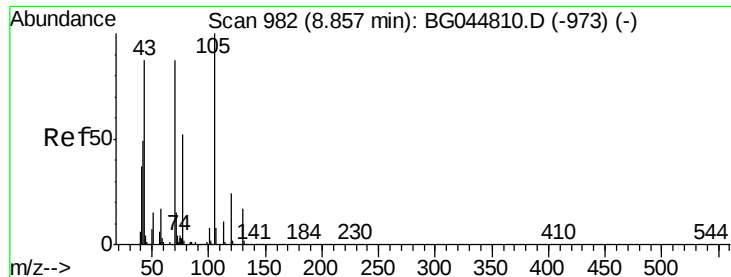


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

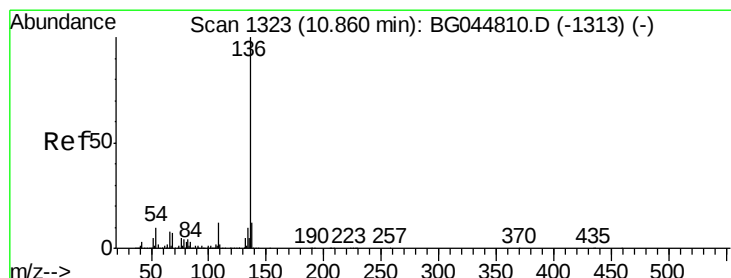
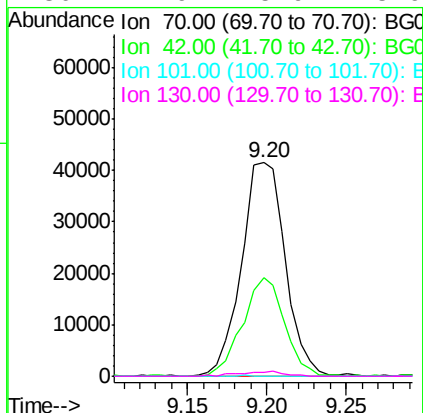
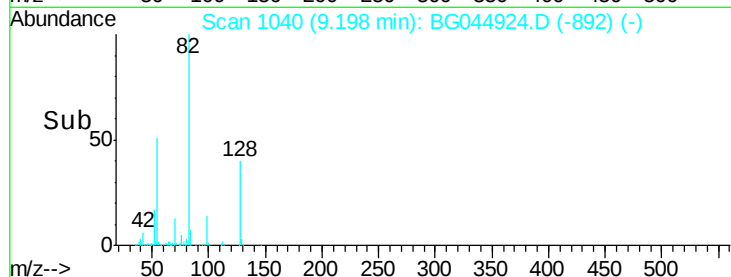
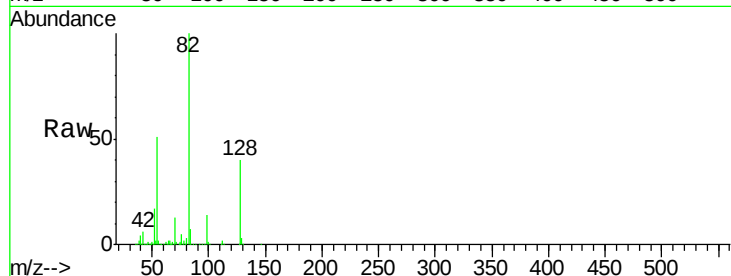




#19
n-Nitroso-di-n-propylamine
Concen: 14.79 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.34 min
Lab File: BG044924.D
Acq: 20 Mar 2020 17:54

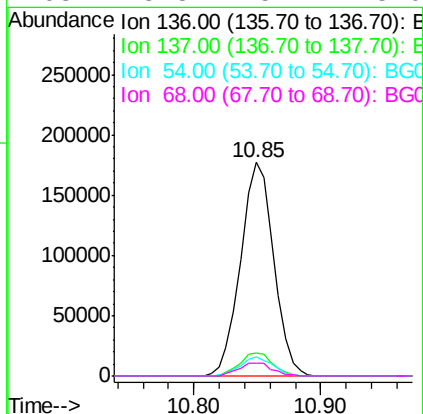
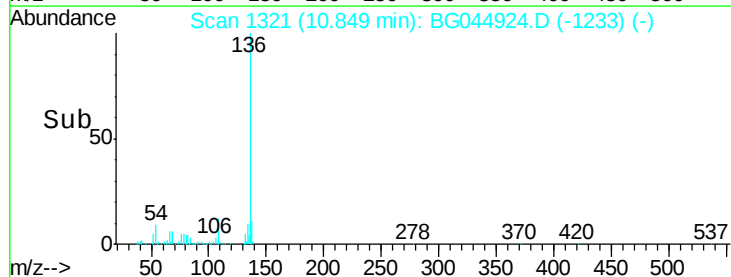
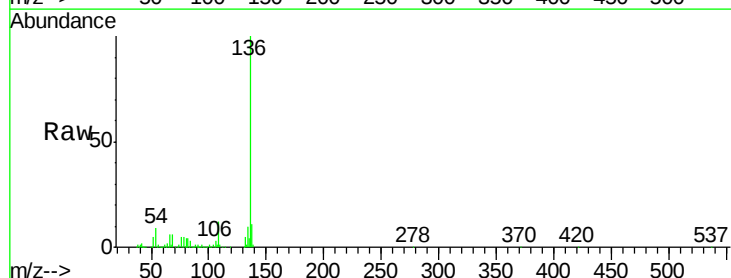
Instrument :
BNA_G
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MH-1-COMP-3-19-2020

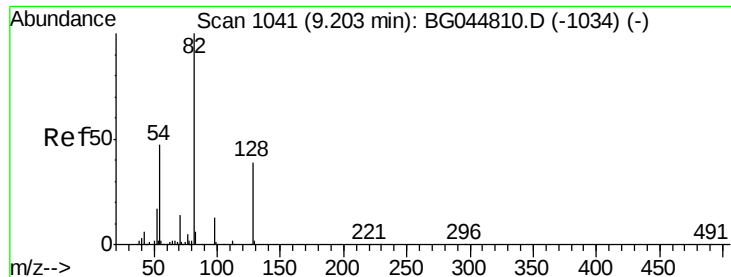
Tgt Ion: 70 Resp: 79696
Ion Ratio Lower Upper
70 100
42 46.3 45.7 68.5
101 0.0 7.4 11.2#
130 1.9 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044924.D
Acq: 20 Mar 2020 17:54

Tgt Ion: 136 Resp: 321524
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 9.1 7.9 11.9
68 5.8 5.4 8.0





#23

Nitrobenzene-d5

Concen: 81.04 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

Instrument :

BNA_G

ClientSampleId :

MH-1-COMP-3-19-2020

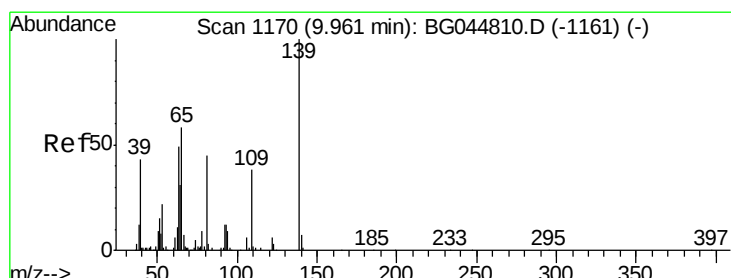
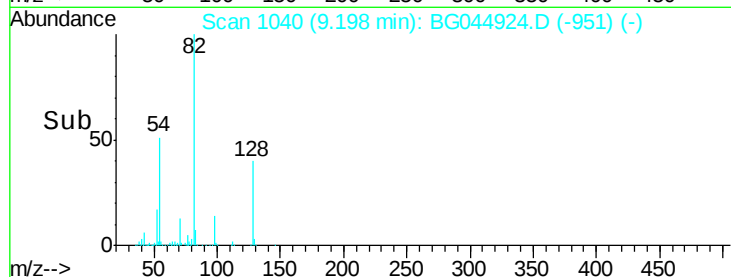
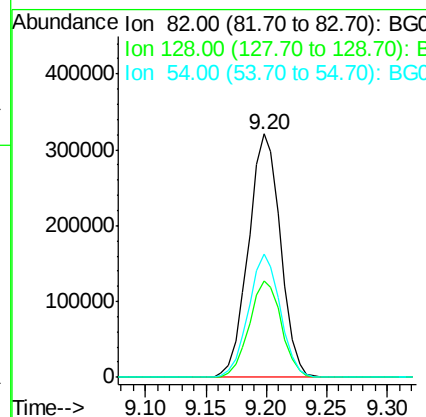
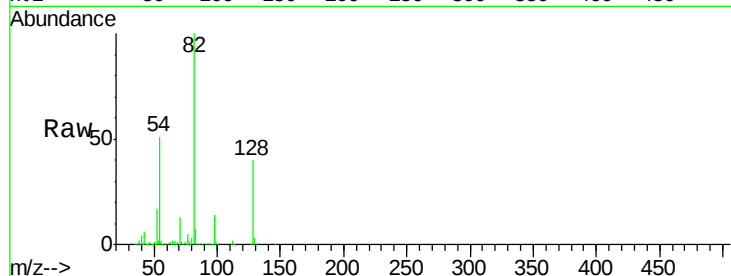
Tgt Ion: 82 Resp: 593767

Ion Ratio Lower Upper

82 100

128 39.8 30.6 46.0

54 50.8 37.1 55.7



#26

2-Nitrophenol

Concen: 5.53 ng

RT: 9.83 min Scan# 1147

Delta R.T. -0.13 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

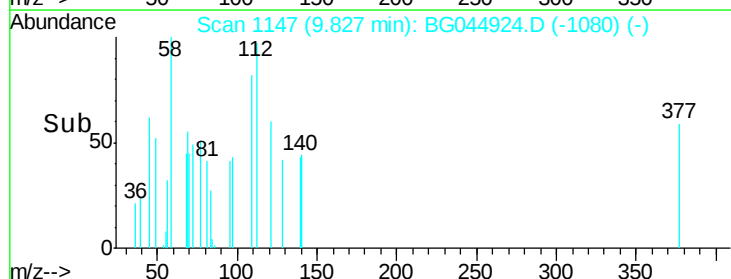
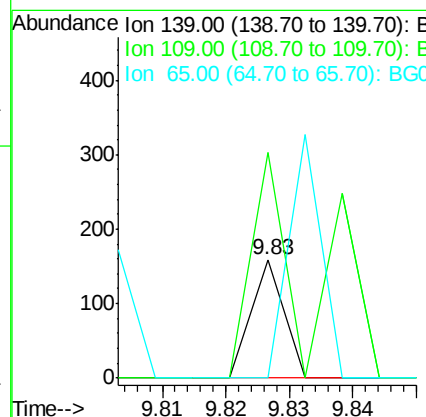
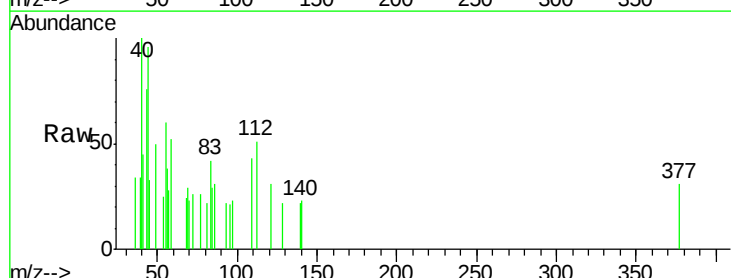
Tgt Ion: 139 Resp: 56

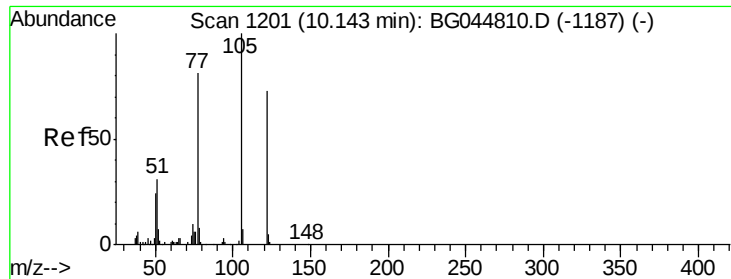
Ion Ratio Lower Upper

139 100

109 190.6 30.2 45.4#

65 0.0 46.3 69.5#

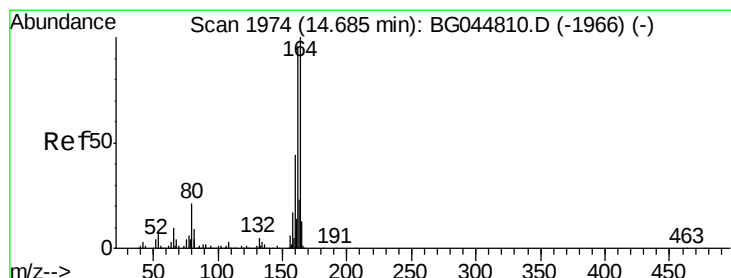
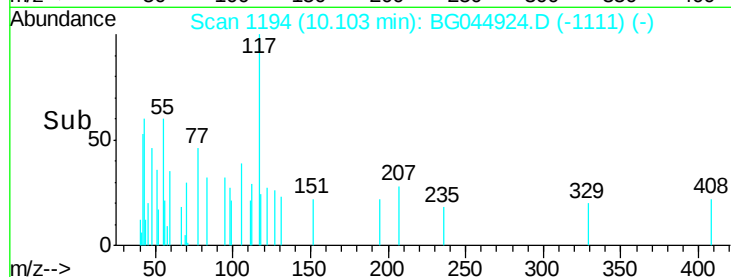
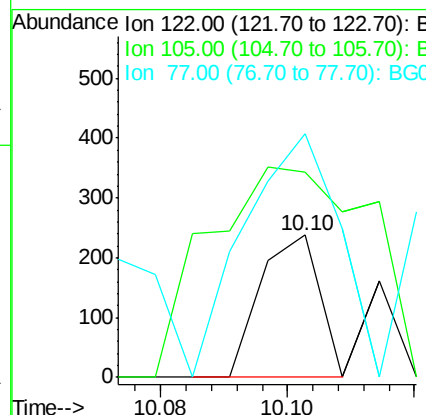
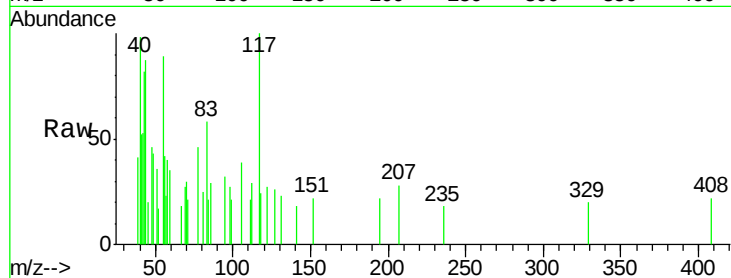




#32
Benzoic acid
Concen: 9.70 ng
RT: 10.10 min Scan# 1194
Delta R.T. -0.04 min
Lab File: BG044924.D
Acq: 20 Mar 2020 17:54

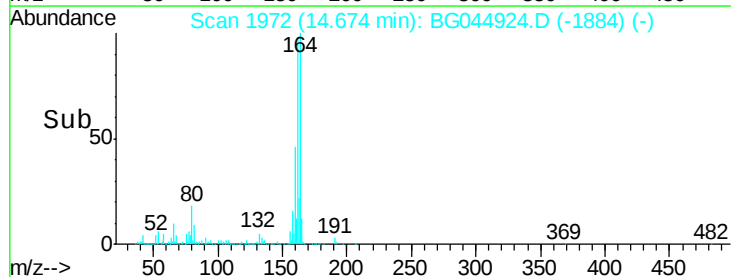
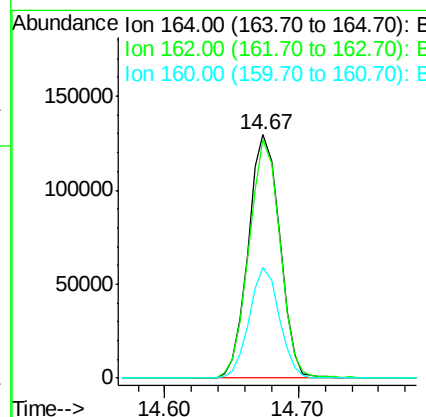
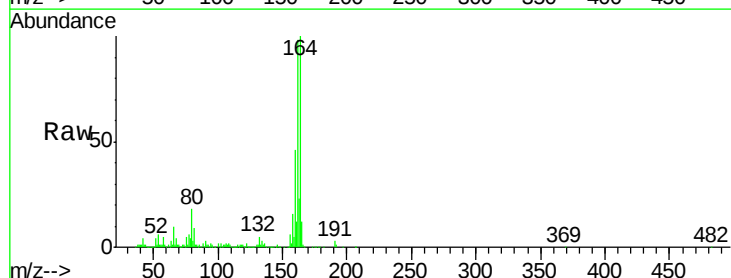
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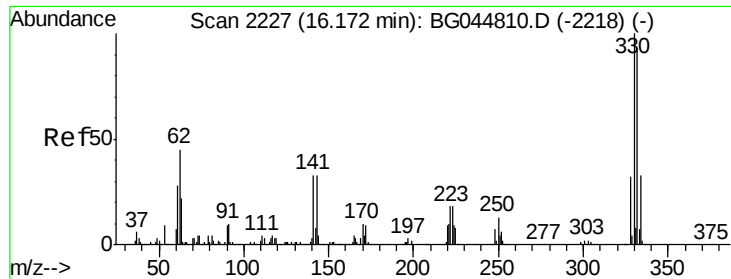
Tgt Ion:122 Resp: 153
Ion Ratio Lower Upper
122 100
105 144.5 109.1 149.1
77 171.0 85.3 125.3#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG044924.D
Acq: 20 Mar 2020 17:54

Tgt Ion:164 Resp: 210550
Ion Ratio Lower Upper
164 100
162 97.8 76.7 115.1
160 45.6 35.0 52.4

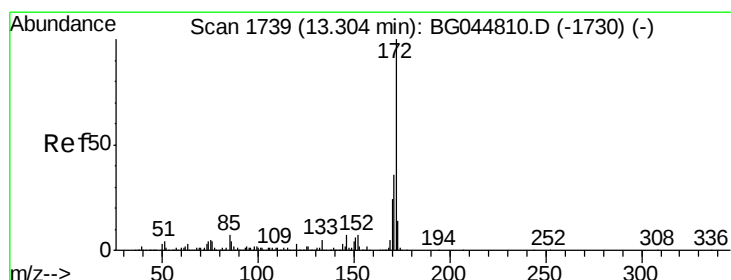
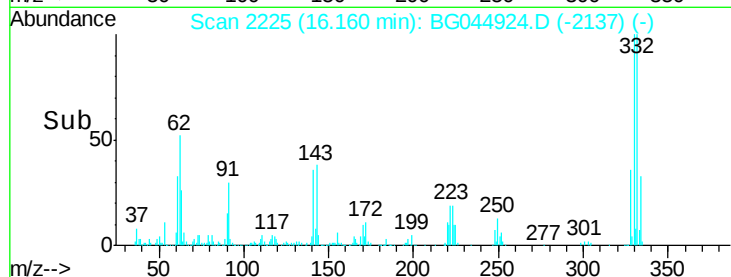
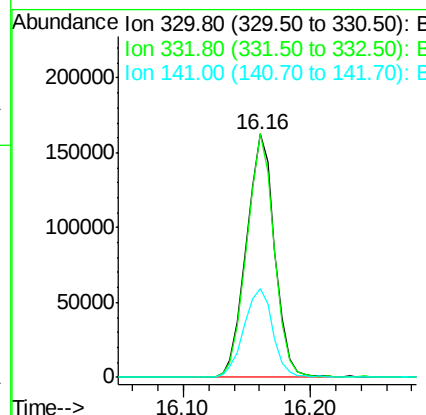
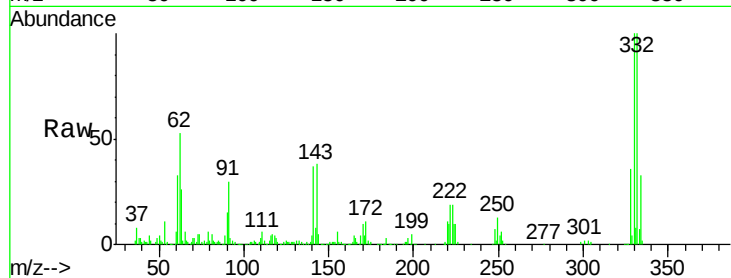




#42
2,4,6-Tribromophenol
Concen: 91.20 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG044924.D
Acq: 20 Mar 2020 17:54

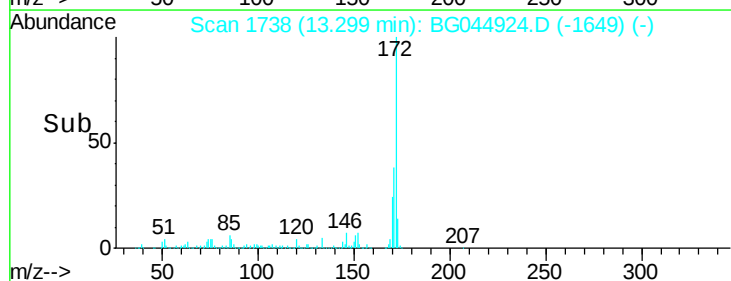
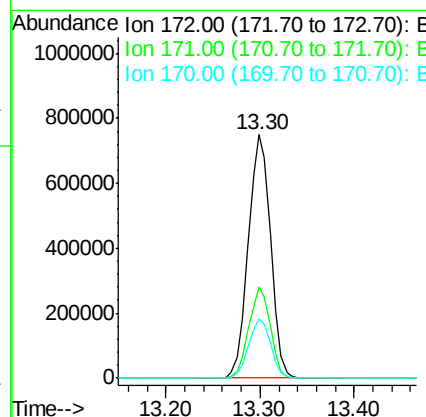
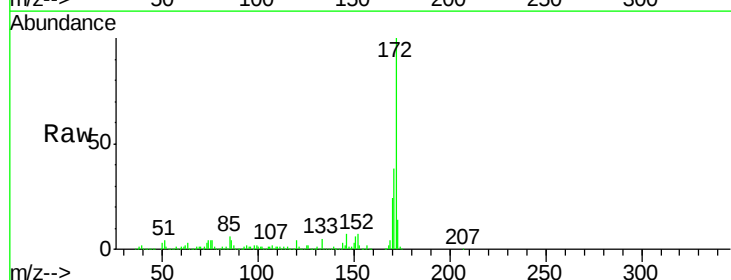
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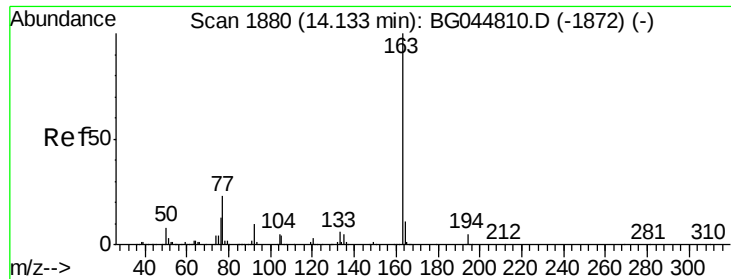
Tgt Ion:330 Resp: 251426
Ion Ratio Lower Upper
330 100
332 97.3 77.8 116.6
141 37.0 29.5 44.3



#45
2-Fluorobiphenyl
Concen: 82.94 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG044924.D
Acq: 20 Mar 2020 17:54

Tgt Ion:172 Resp: 1219475
Ion Ratio Lower Upper
172 100
171 37.7 28.7 43.1
170 24.2 19.0 28.6





#50

Dimethylphthalate

Concen: 13.81 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

Instrument :

BNA_G

ClientSampleId :

MH-1-COMP-3-19-2020

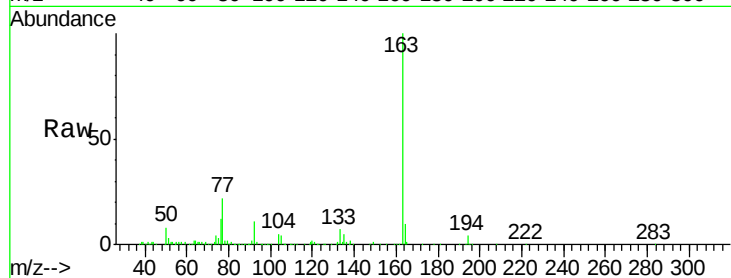
Tgt Ion:163 Resp: 231563

Ion Ratio Lower Upper

163 100

194 4.1 3.7 5.5

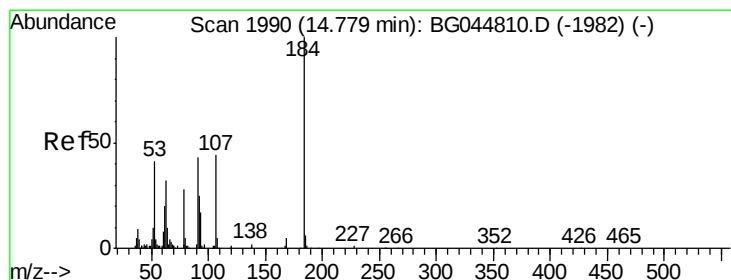
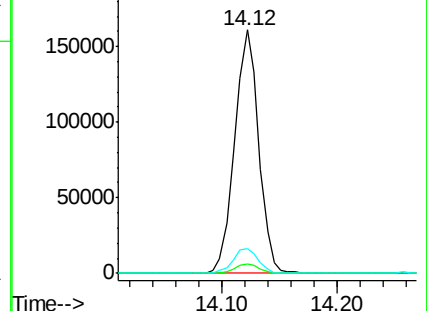
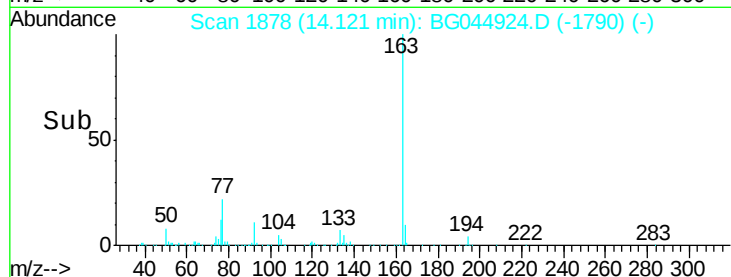
164 10.3 9.1 13.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 8.35 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.13 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

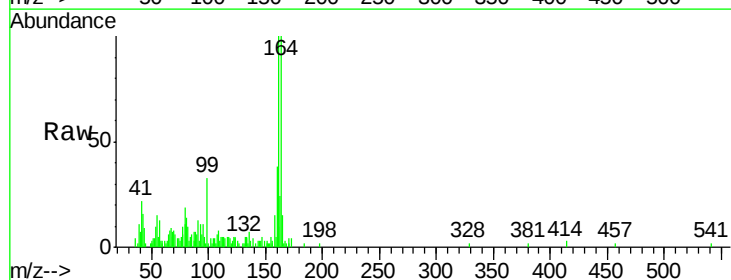
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 151.9 45.5 68.3#

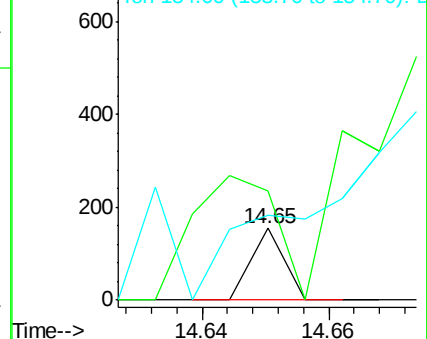
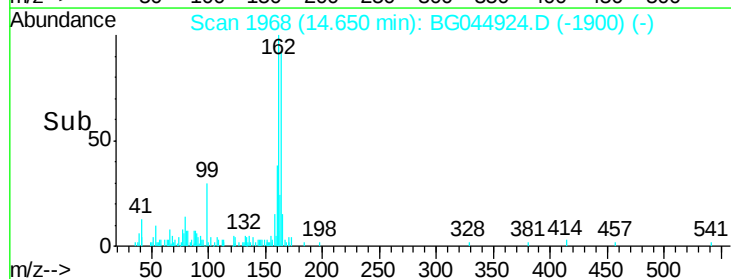
154 118.2 49.1 73.7#

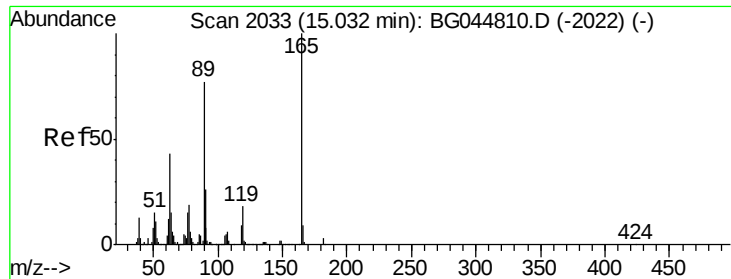


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.87 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

Instrument :

BNA_G

ClientSampleId :

MH-1-COMP-3-19-2020

Tgt Ion:165 Resp: 27234

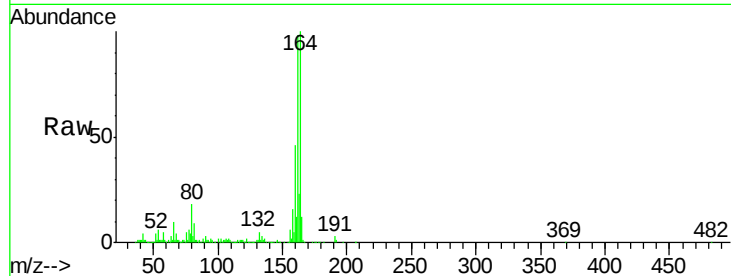
Ion Ratio Lower Upper

165 100

63 3.3 34.6 52.0#

89 3.4 61.3 91.9#

182 1.1 2.2 3.2#

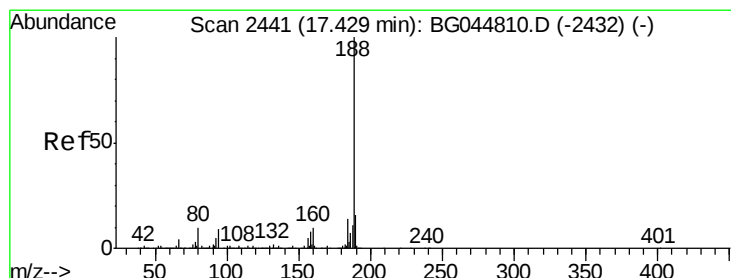
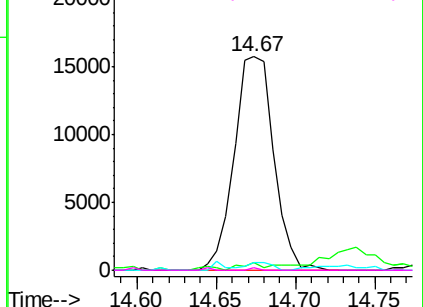
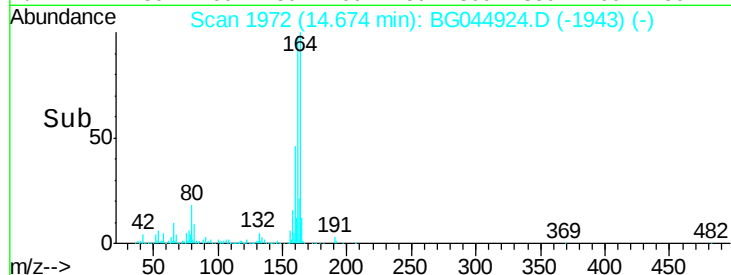


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG044924.D

Acq: 20 Mar 2020 17:54

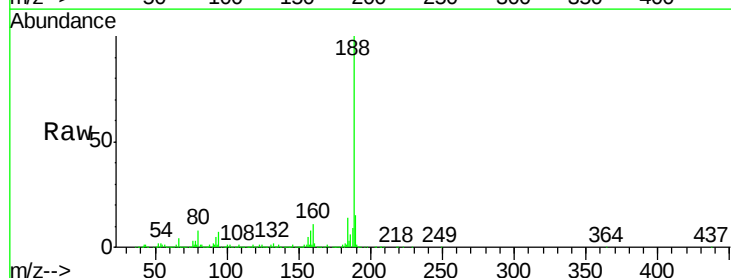
Tgt Ion:188 Resp: 457385

Ion Ratio Lower Upper

188 100

94 6.8 7.3 10.9#

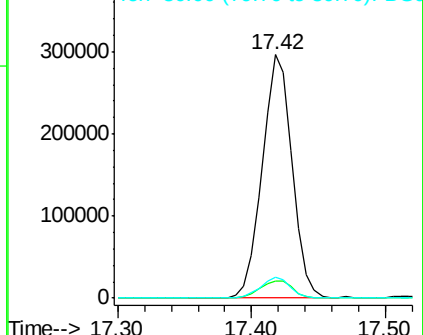
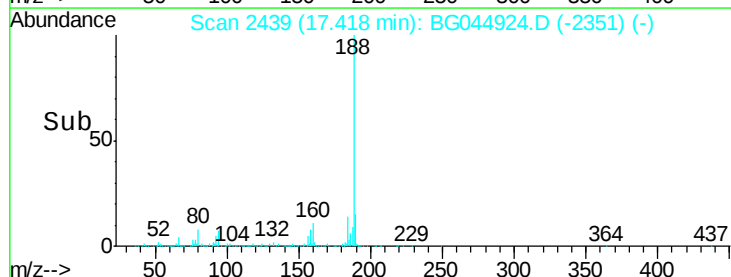
80 8.5 8.0 12.0

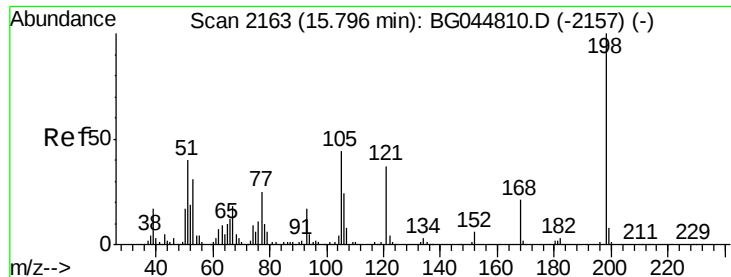


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.76 ng

RT: 15.74 min Scan# 2153

Delta R.T. -0.06 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

Instrument :

BNA_G

ClientSampleId :

MH-1-COMP-3-19-2020

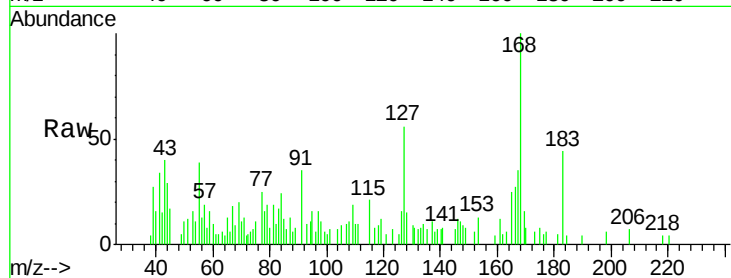
Tgt Ion:198 Resp: 86

Ion Ratio Lower Upper

198 100

51 188.5 21.1 61.1#

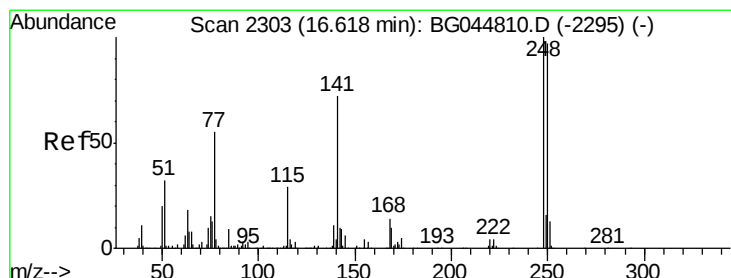
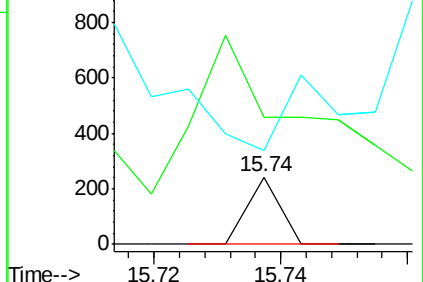
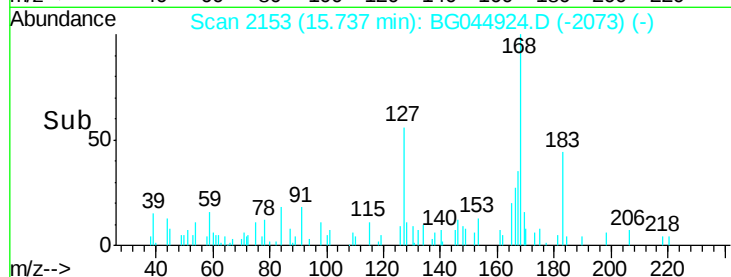
105 139.9 24.5 64.5#



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: 3.05 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.46 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

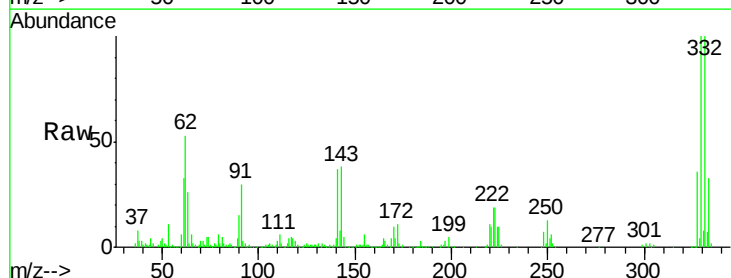
Tgt Ion:248 Resp: 17452

Ion Ratio Lower Upper

248 100

250 202.9 77.9 116.9#

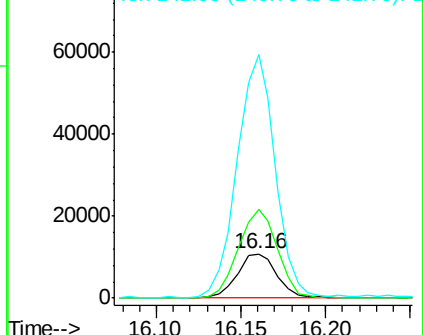
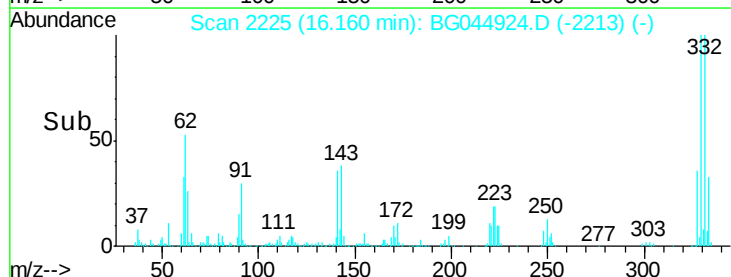
141 554.5 57.5 86.3#

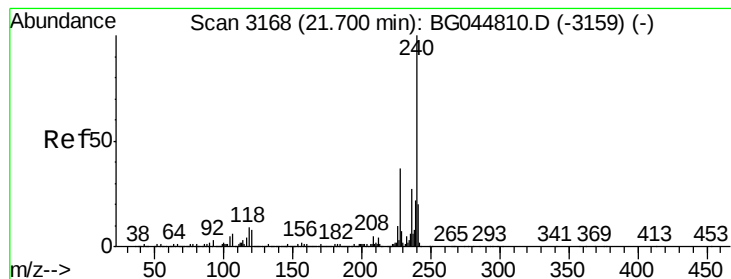


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3166

Delta R.T. -0.01 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

Instrument :

BNA_G

ClientSampleId :

MH-1-COMP-3-19-2020

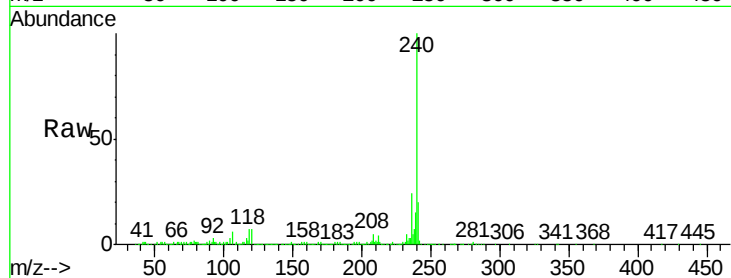
Tgt Ion:240 Resp: 470624

Ion Ratio Lower Upper

240 100

120 6.8 6.7 10.1

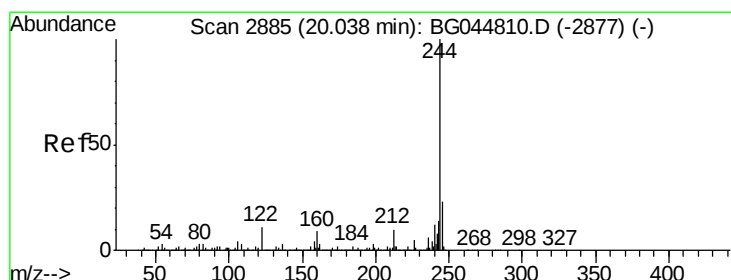
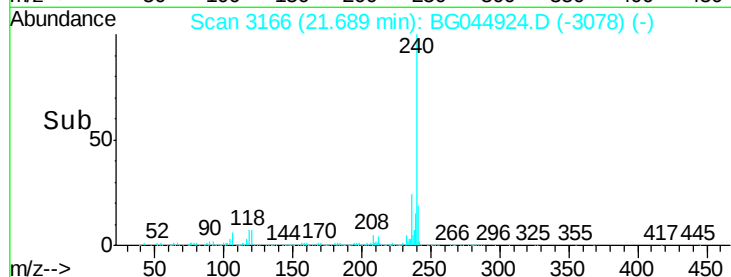
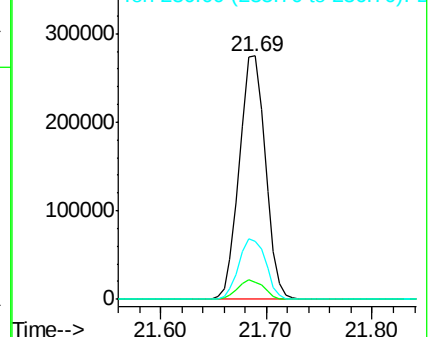
236 24.0 21.5 32.3



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



#79

Terphenyl-d14

Concen: 62.41 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044924.D

Acq: 20 Mar 2020 17:54

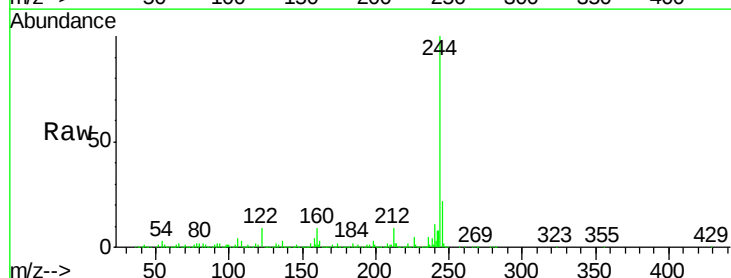
Tgt Ion:244 Resp: 1570319

Ion Ratio Lower Upper

244 100

212 9.2 7.7 11.5

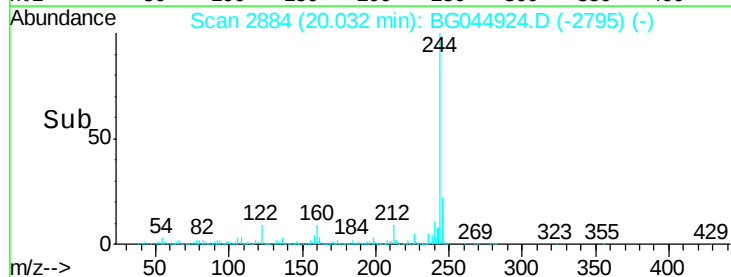
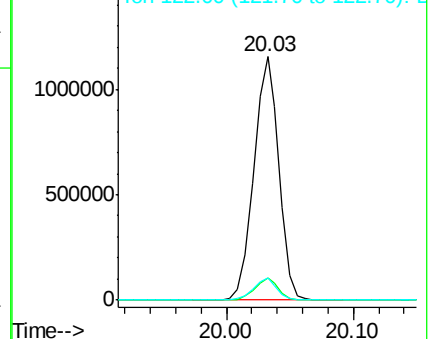
122 8.9 8.6 12.8

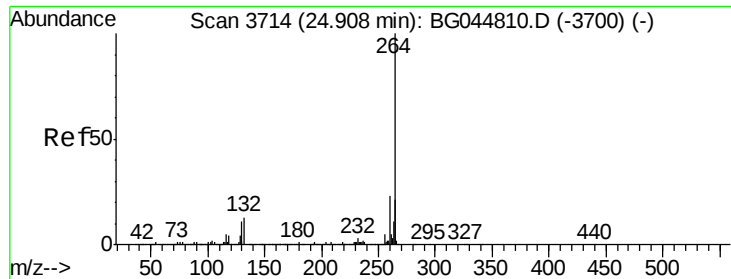


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG044924.D
Acq: 20 Mar 2020 17:54

Instrument :
BNA_G
ClientSampleId :
MH-1-COMP-3-19-2020

Tgt Ion:	264	Resp:	524870
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.1	27.1
265	22.8	17.1	25.7

