

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051520\
 Data File : BG045409.D
 Acq On : 15 May 2020 23:17
 Operator : CG/JU
 Sample : L2663-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 16 00:26:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 15:45:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	71236	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	291340	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	198524	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	406594	20.00	ng	0.00
76) Chrysene-d12	21.63	240	385541	20.00	ng	0.00
87) Perylene-d12	24.80	264	413831	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	200961	55.13	ng	0.00
7) Phenol-d6	7.14	99	182217	35.12	ng	0.00
23) Nitrobenzene-d5	9.13	82	476821	89.25	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	334418	131.72	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1069348	91.37	ng	0.00
79) Terphenyl-d14	19.98	244	1530016	92.56	ng	0.00

Target Compounds

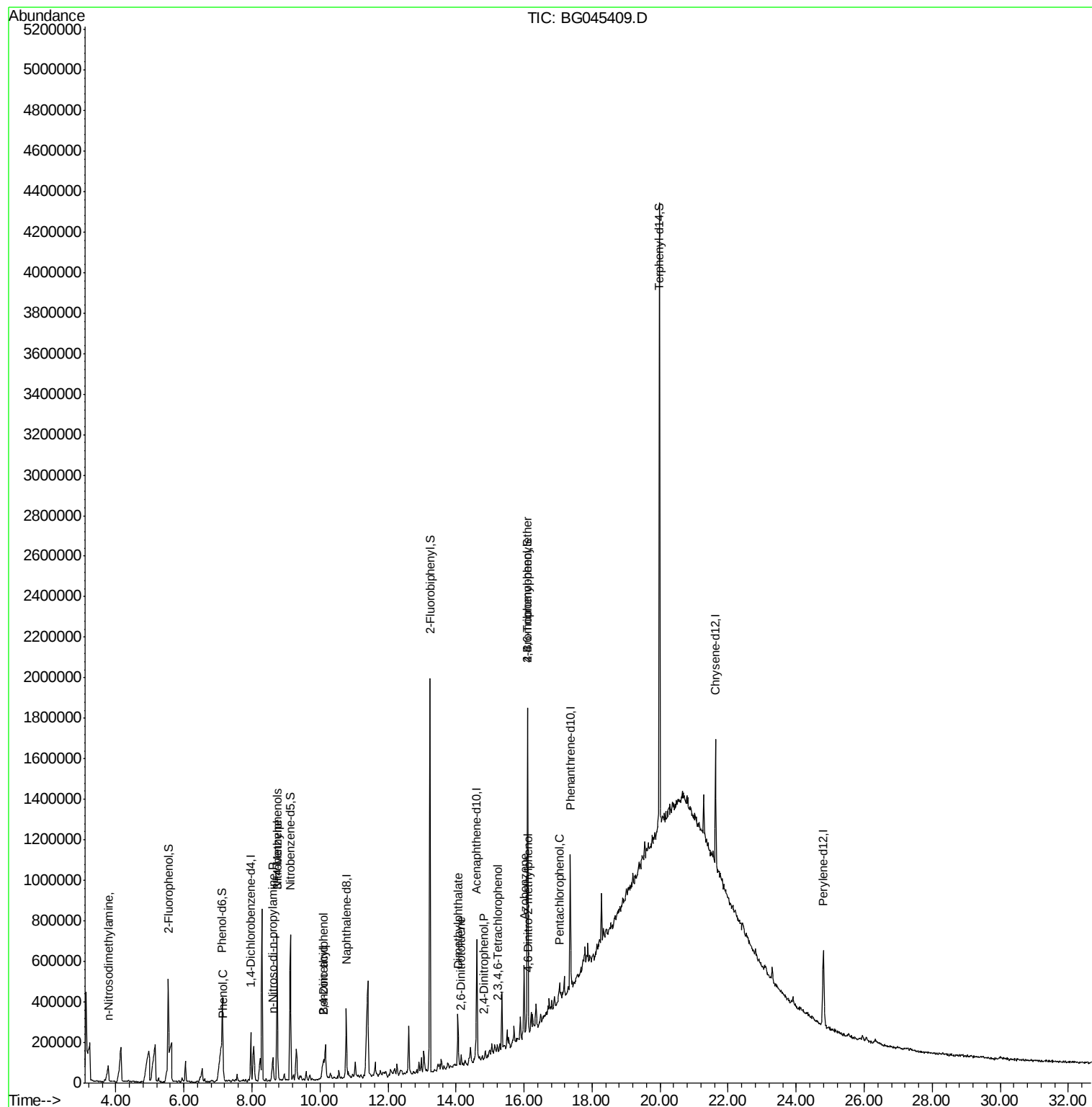
						Qvalue
4) n-Nitrosodimethylamine	3.78	42	10675	6.480	ng	# 1
10) Phenol	7.17	94	13242	2.477	ng	90
19) n-Nitroso-di-n-propylamine	8.62	70	10061	2.804	ng	# 32
20) 3+4-Methylphenols	8.74	107	347204	63.708	ng	91
24) Nitrobenzene	8.74	77	123505	21.577	ng	# 46
27) 2,4-Dimethylphenol	10.10	122	56612	15.588	ng	# 2
32) Benzoic acid	10.10	122	56612	28.157	ng	95
50) Dimethylphthalate	14.06	163	161675	11.872	ng	99
51) 2,6-Dinitrotoluene	14.15	165	8693	2.829	ng	# 35
54) 2,4-Dinitrophenol	14.81	184	91	5.501	ng	# 19
59) 2,3,4,6-Tetrachlorophenol	15.22	232	7762	2.004	ng	# 82
63) Azobenzene	16.00	77	69656	5.270	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.14	198	7201	3.041	ng	84
67) 4-Bromophenyl-phenylether	16.11	248	22515	5.114	ng	# 1
70) Pentachlorophenol	17.02	266	9412	3.936	ng	89

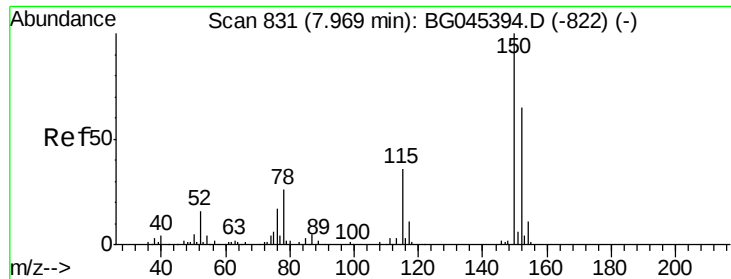
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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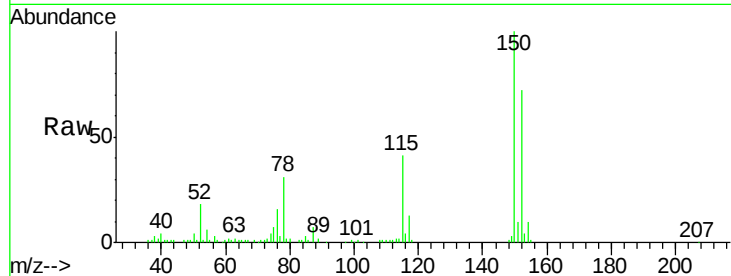


#1

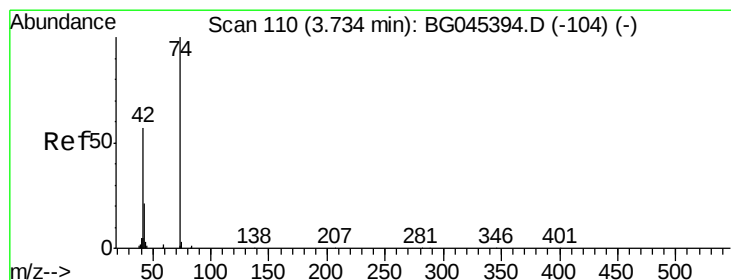
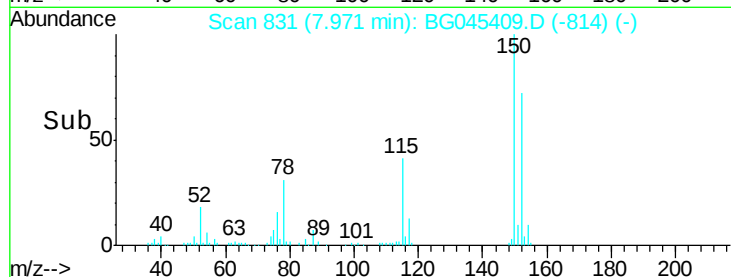
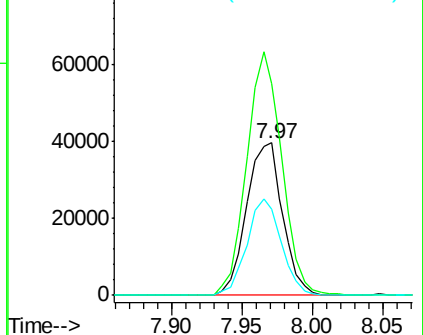
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG045409.D
Acq: 15 May 2020 23:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.3	122.4	183.6
115	56.4	44.2	66.4



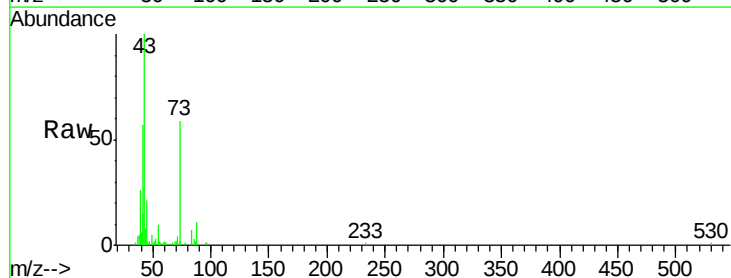
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



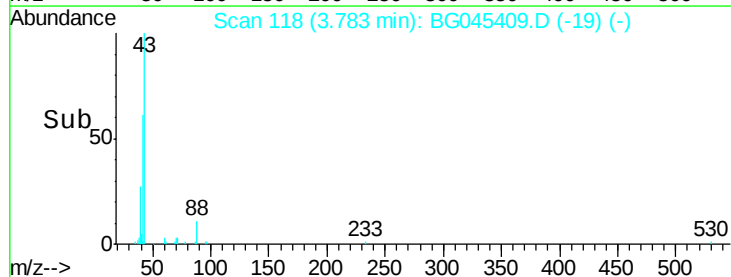
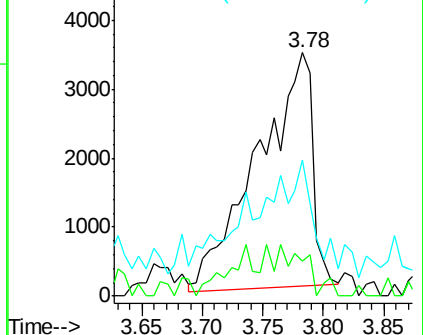
#4

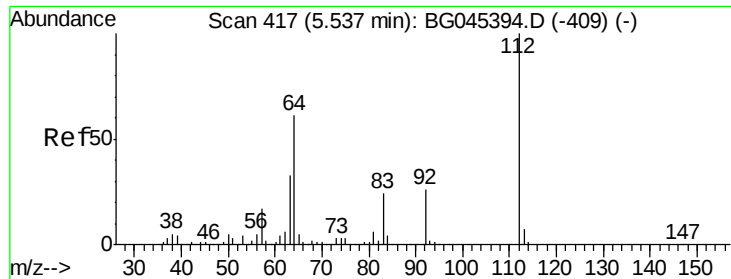
n-Nitrosodimethylamine
Concen: 6.480 ng
RT: 3.78 min Scan# 118
Delta R.T. 0.05 min
Lab File: BG045409.D
Acq: 15 May 2020 23:17

Tgt Ion	Ratio	Lower	Upper
42	100		
74	14.3	141.3	211.9#
44	56.1	4.2	6.4#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 55.132 ng

RT: 5.54 min Scan# 417

Delta R.T. 0.00 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

Instrument :

BNA_G

ClientSampleId :

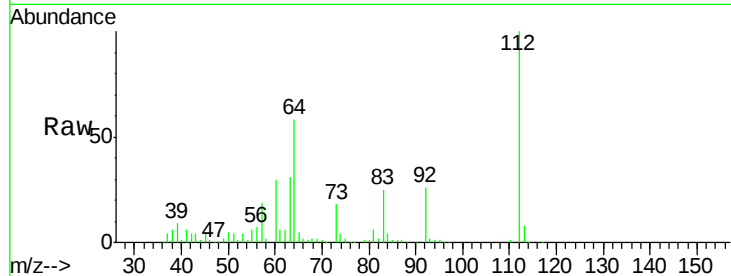
Tot Ion:112 Resp: 200961

Ion Ratio Lower Upper

112 100

64 57.7 48.6 72.8

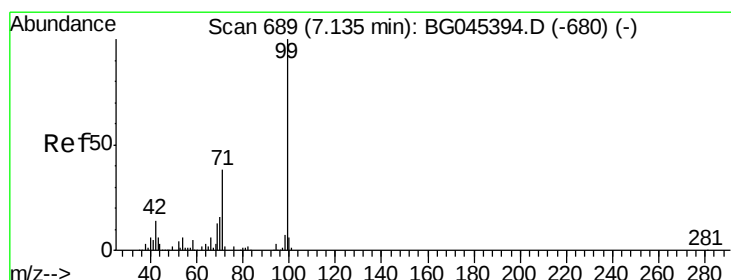
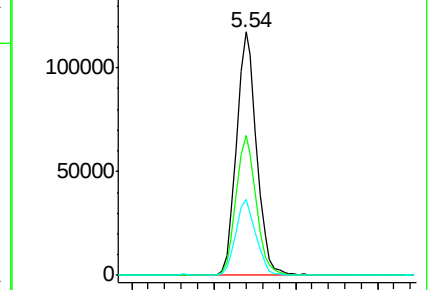
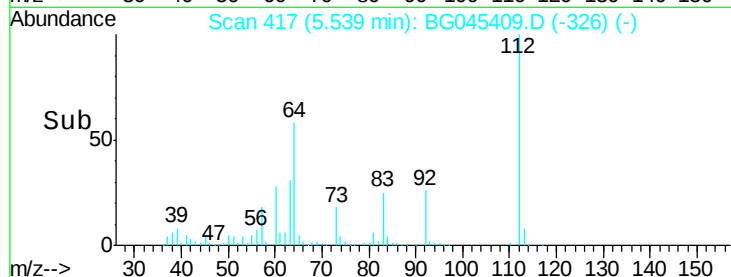
63 31.1 26.5 39.7



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: 35.122 ng

RT: 7.14 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

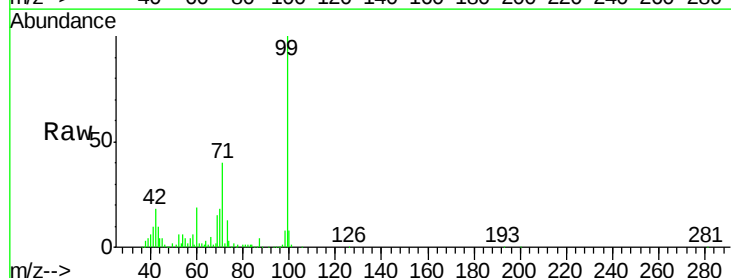
Tgt Ion: 99 Resp: 182217

Ion Ratio Lower Upper

99 100

42 17.5 11.3 16.9#

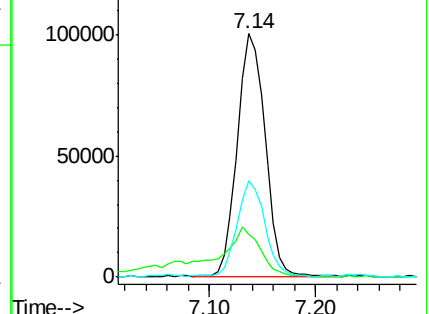
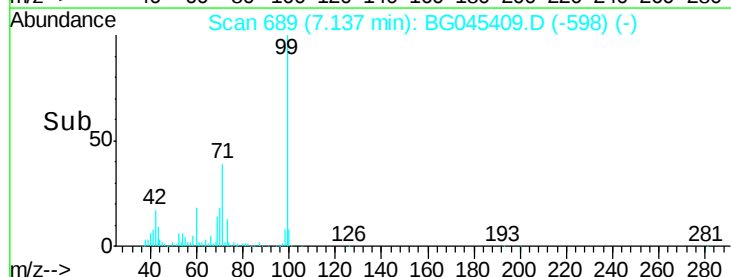
71 39.7 30.8 46.2

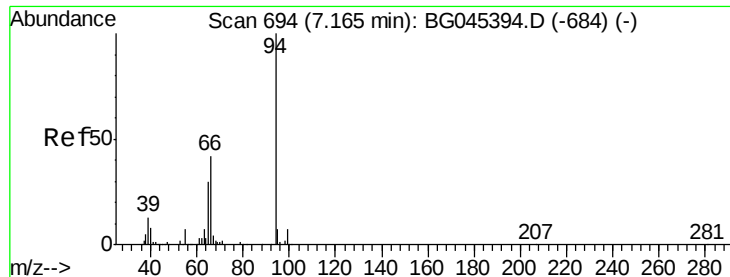


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.477 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

Instrument :

BNA_G

ClientSampled :

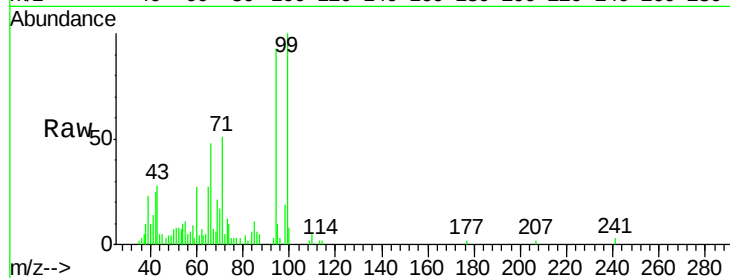
Tot Ion: 94 Resp: 13242

Ion Ratio Lower Upper

94 100

65 29.6 9.8 49.8

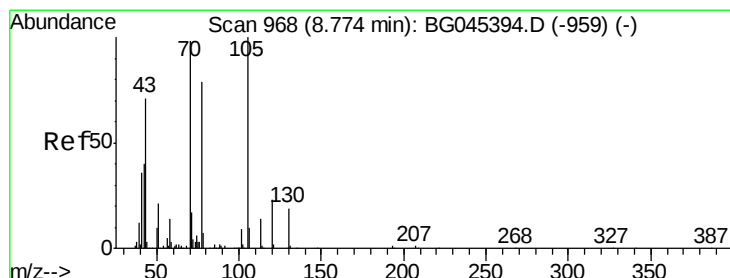
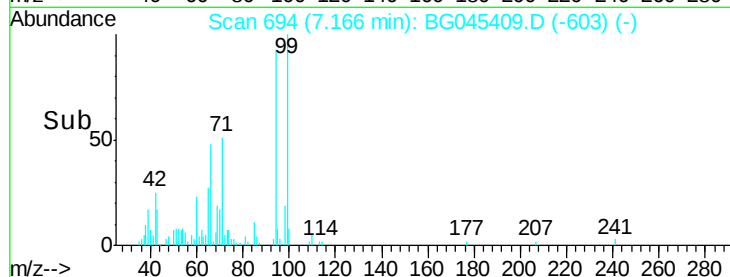
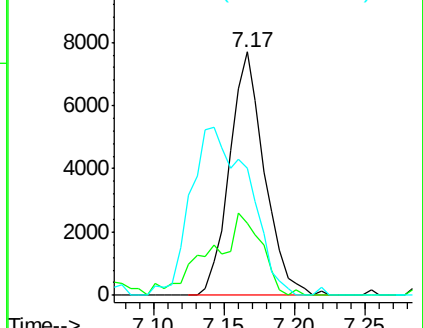
66 52.1 22.0 62.0



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 2.804 ng

RT: 8.62 min Scan# 941

Delta R.T. -0.16 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

Tgt Ion: 70 Resp: 10061

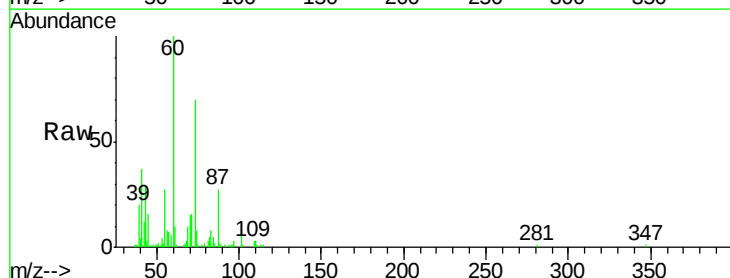
Ion Ratio Lower Upper

70 100

42 79.5 33.2 49.8#

101 65.3 7.8 11.6#

130 0.0 15.4 23.2#

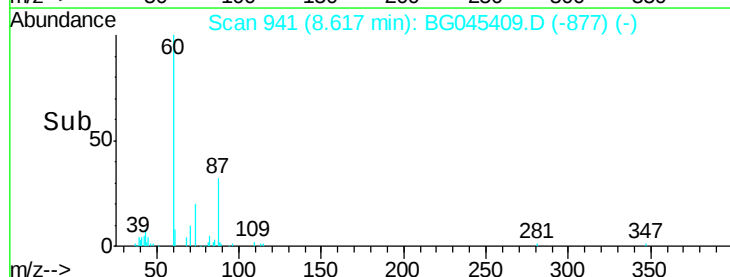
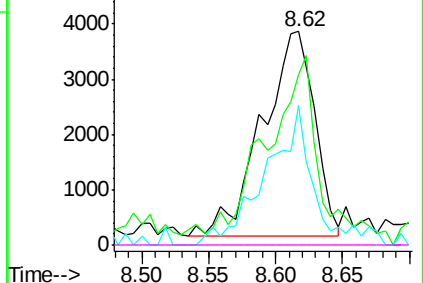


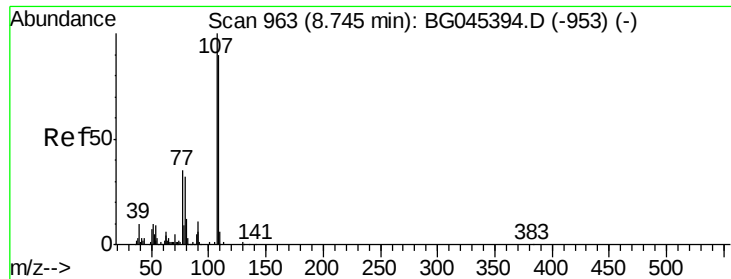
Abundance Ion 70.00 (69.70 to 70.70): BGC

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





#20

3+4-Methylphenols

Concen: 63.708 ng

RT: 8.74 min Scan# 962

Delta R.T. -0.00 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 347204

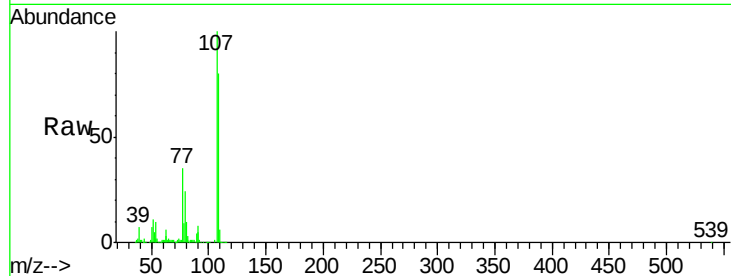
Ion Ratio Lower Upper

107 100

108 80.2 70.3 110.3

77 34.8 15.4 55.4

79 24.2 12.6 52.6

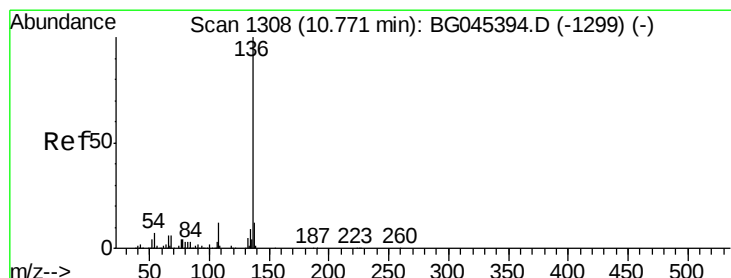
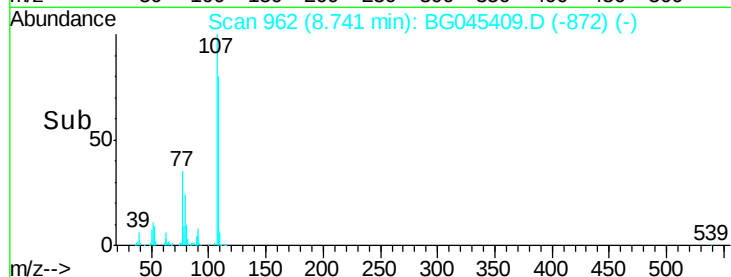
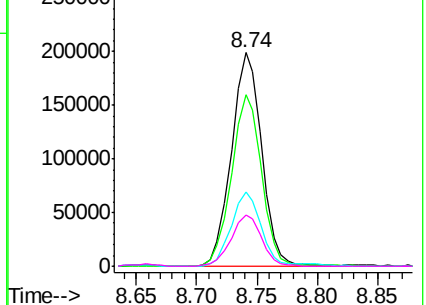


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

Tgt Ion:136 Resp: 291340

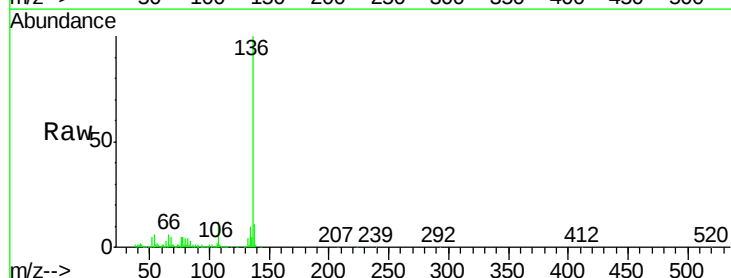
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.2

54 6.3 5.8 8.6

68 4.9 4.5 6.7

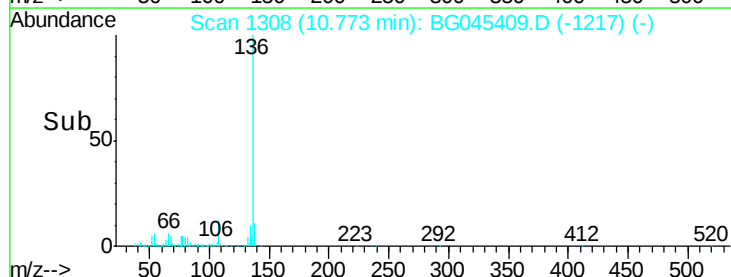
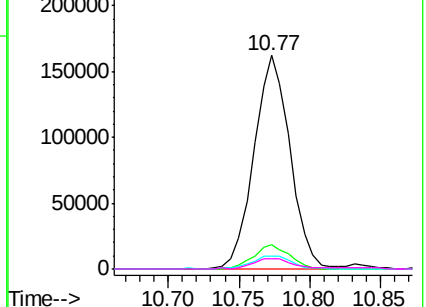


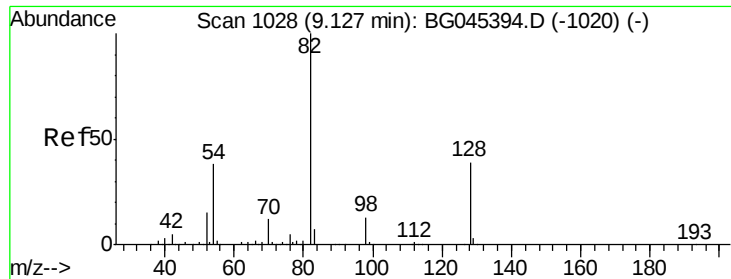
Abundance Ion 136.00 (135.70 to 136.70): E

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

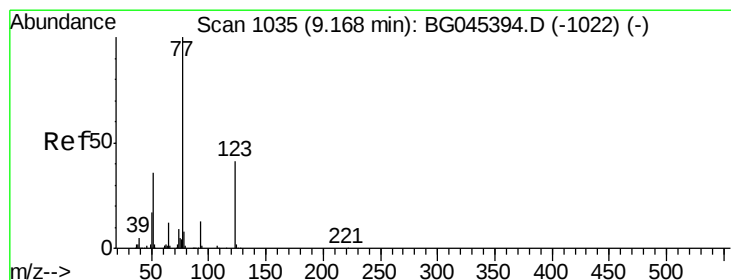
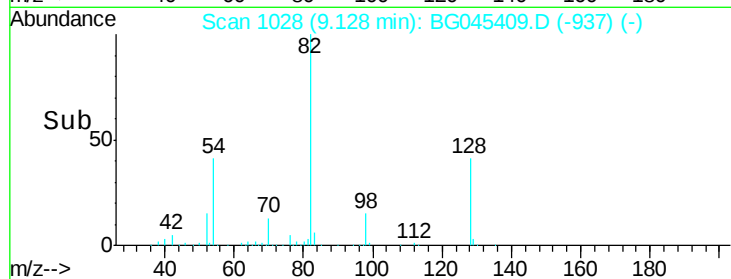
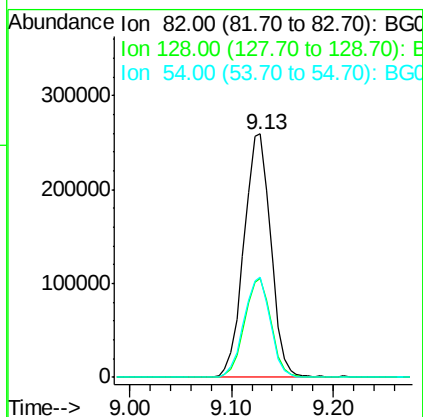
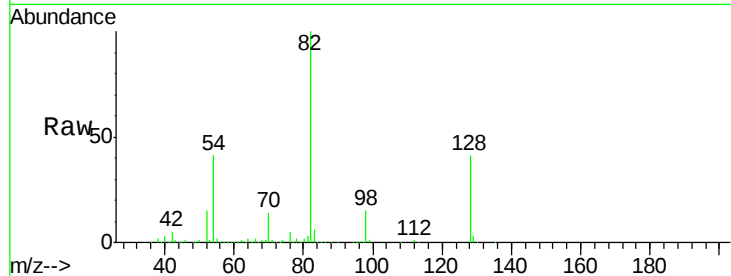




#23
 Nitrobenzene-d5
 Concen: 89.249 ng
 RT: 9.13 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BG045409.D
 Acq: 15 May 2020 23:17

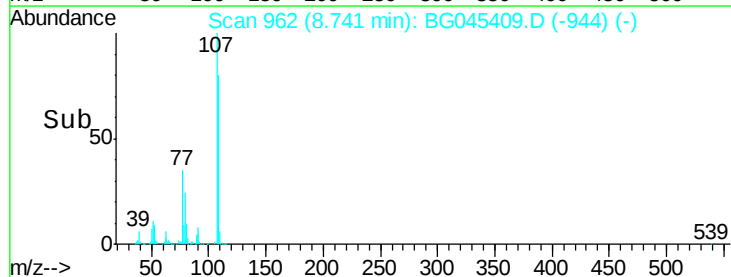
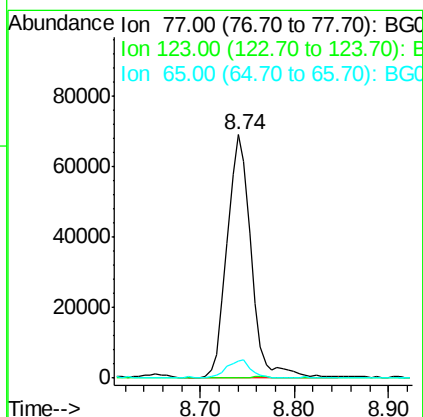
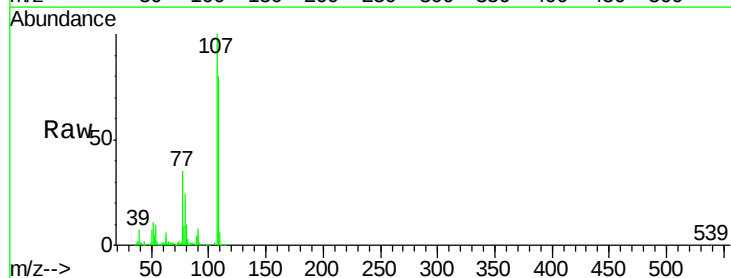
Instrument :
 BNA_G
 ClientSampleId :

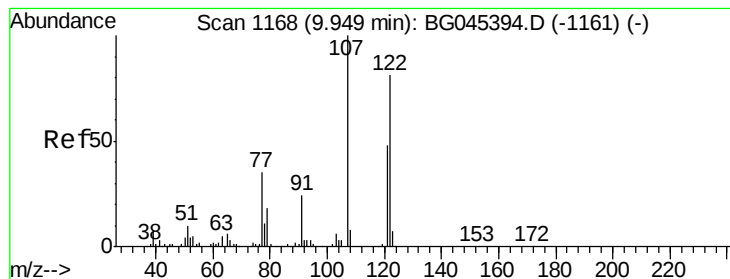
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.8	30.9	46.3
54	41.1	30.3	45.5



#24
 Nitrobenzene
 Concen: 21.577 ng
 RT: 8.74 min Scan# 962
 Delta R.T. -0.43 min
 Lab File: BG045409.D
 Acq: 15 May 2020 23:17

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	32.9	49.3#
65	6.9	9.4	14.2#





#27

2,4-Dimethylphenol

Concen: 15.588 ng

RT: 10.10 min Scan# 1194

Delta R.T. 0.15 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

Instrument :

BNA_G

ClientSampleId :

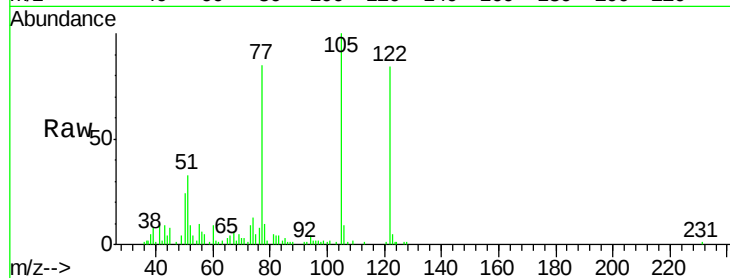
Tot Ion:122 Resp: 56612

Ion Ratio Lower Upper

122 100

107 1.7 99.0 148.4#

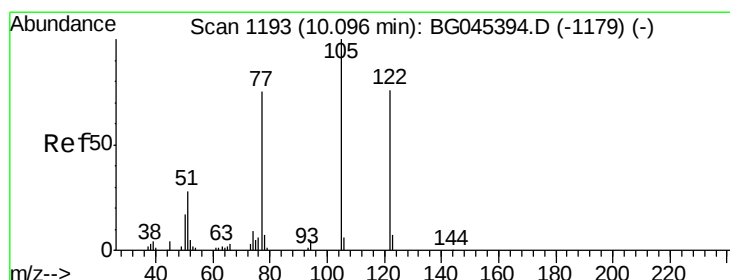
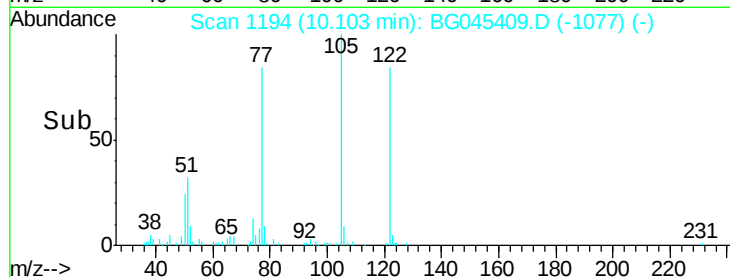
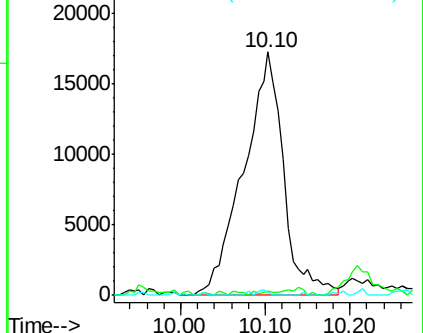
121 1.1 47.7 71.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 28.157 ng

RT: 10.10 min Scan# 1194

Delta R.T. 0.01 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

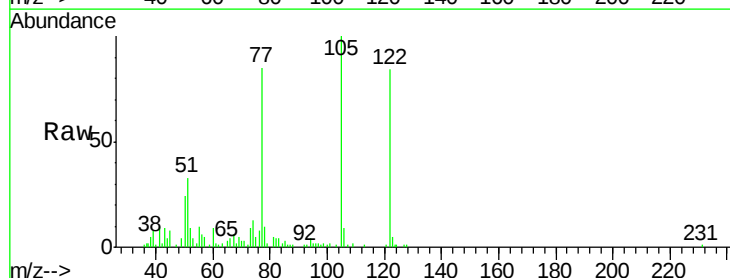
Tgt Ion:122 Resp: 56612

Ion Ratio Lower Upper

122 100

105 118.5 107.9 147.9

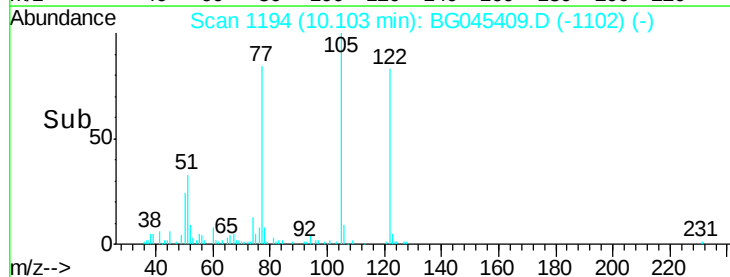
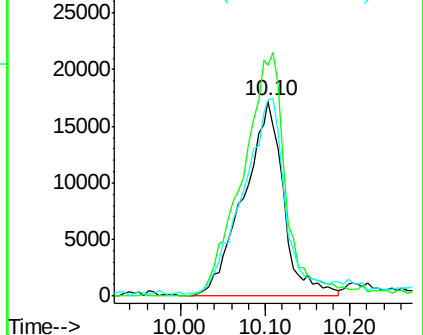
77 100.5 78.9 118.9

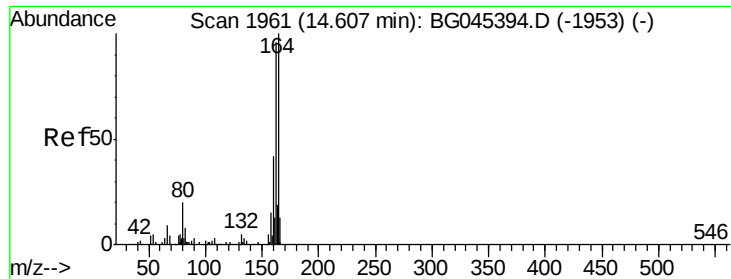


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1961

Delta R.T. 0.00 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

Instrument :

BNA_G

ClientSampleId :

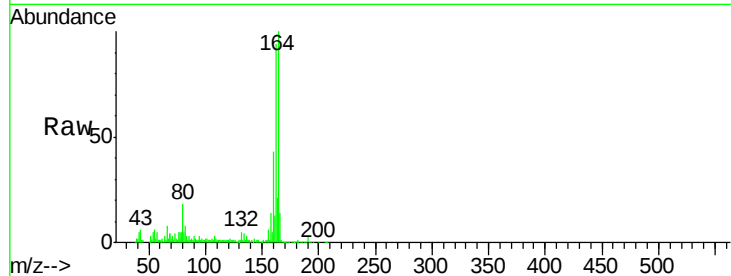
Tot Ion:164 Resp: 198524

Ion Ratio Lower Upper

164 100

162 94.0 76.9 115.3

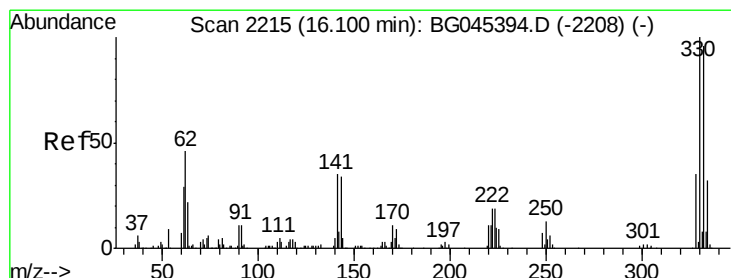
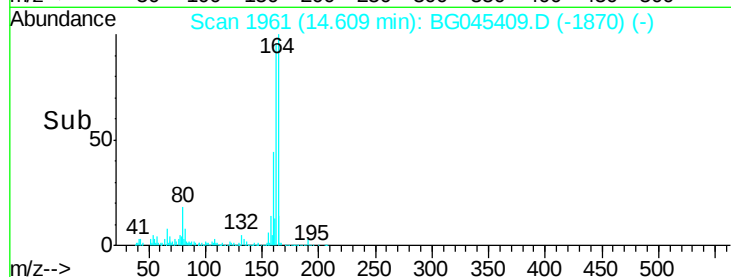
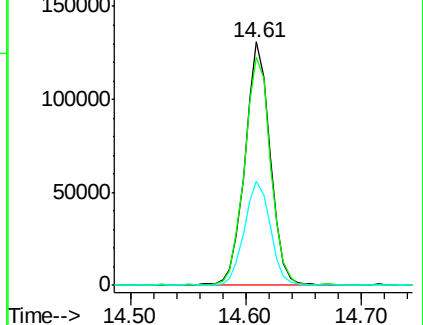
160 42.6 33.8 50.8



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: 131.718 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

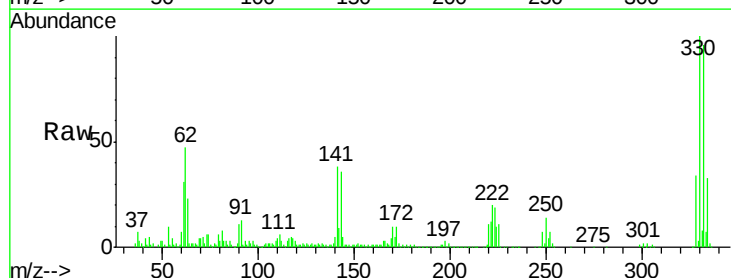
Tgt Ion:330 Resp: 334418

Ion Ratio Lower Upper

330 100

332 97.0 78.2 117.4

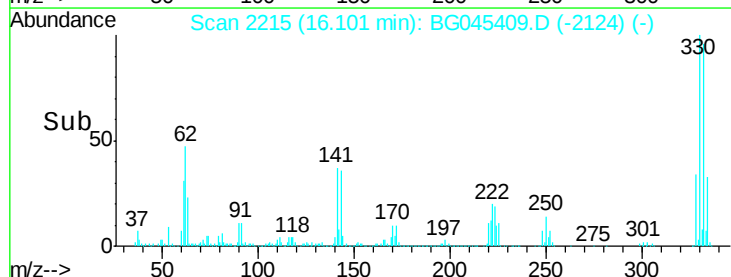
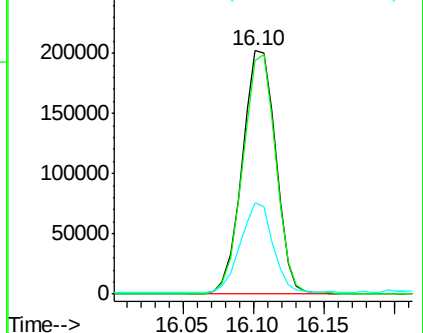
141 35.7 28.2 42.4

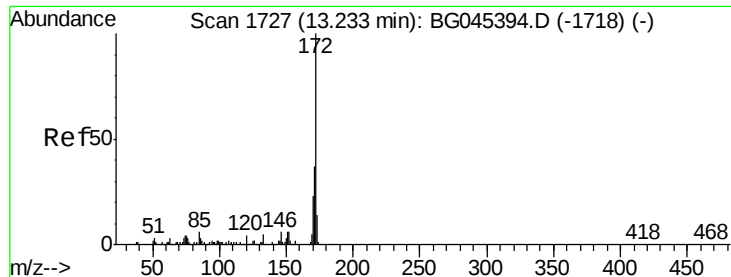


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 91.366 ng

RT: 13.23 min Scan# 1727

Delta R.T. 0.00 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

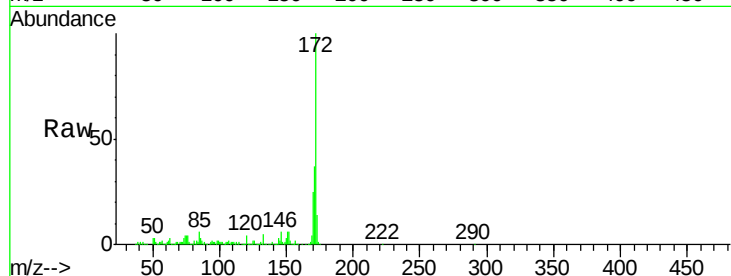
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1069348

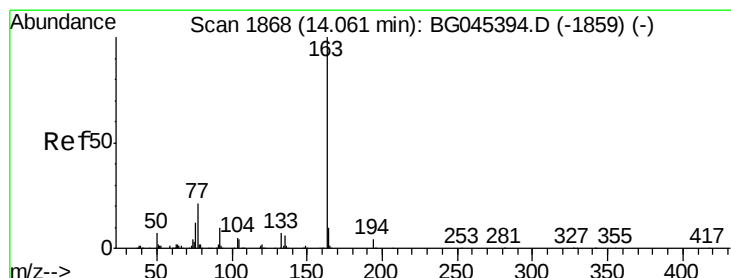
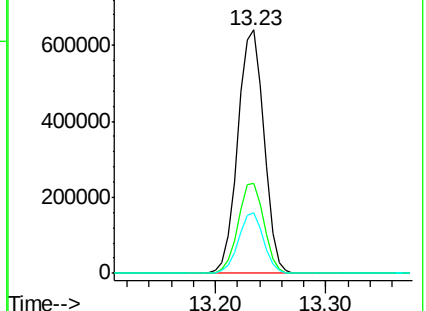
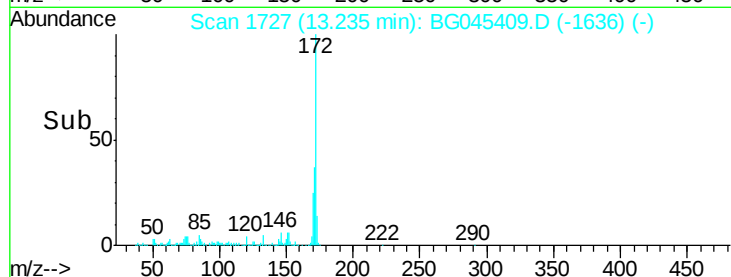
Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.5	44.3
170	24.7	18.5	27.7



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



#50

Dimethylphthalate

Concen: 11.872 ng

RT: 14.06 min Scan# 1867

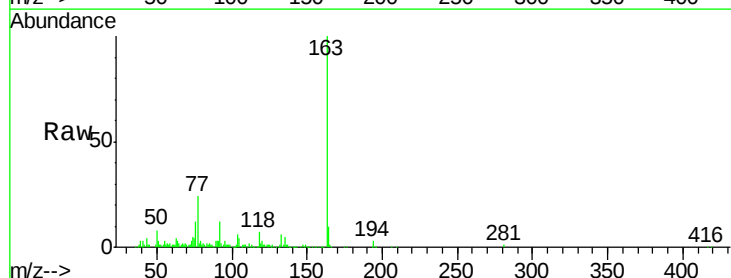
Delta R.T. -0.00 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

Tgt Ion:163 Resp: 161675

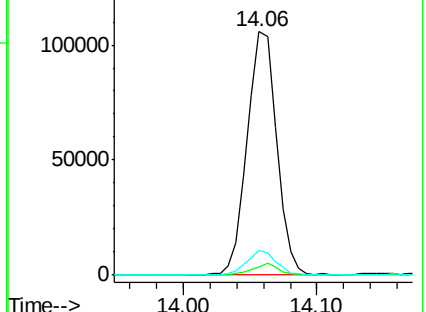
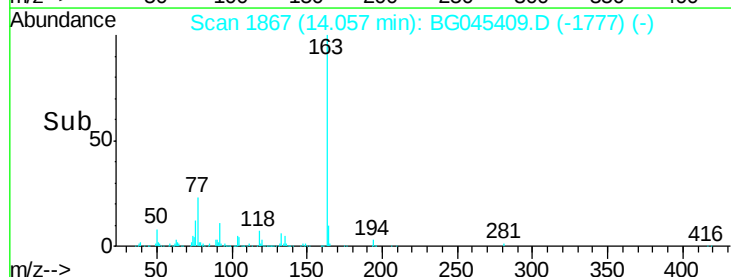
Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.2	4.8
164	10.2	8.3	12.5

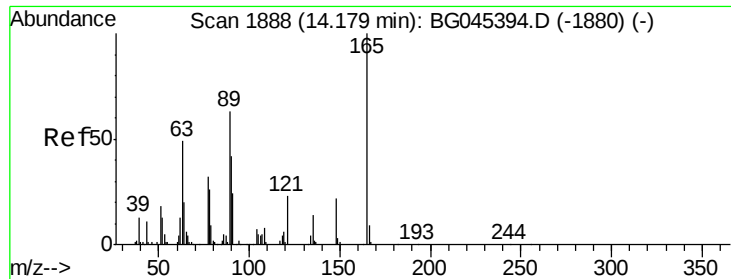


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 2.829 ng

RT: 14.15 min Scan# 1883

Delta R.T. -0.03 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

Instrument :

BNA_G

ClientSampleId :

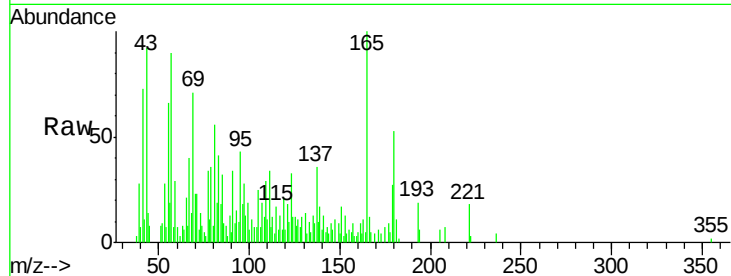
Tot Ion:165 Resp: 8693

Ion Ratio Lower Upper

165 100

63 8.2 45.0 67.4#

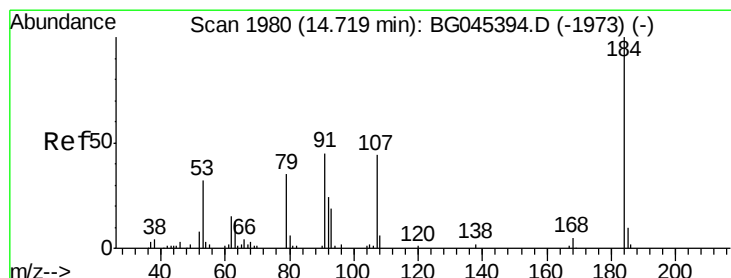
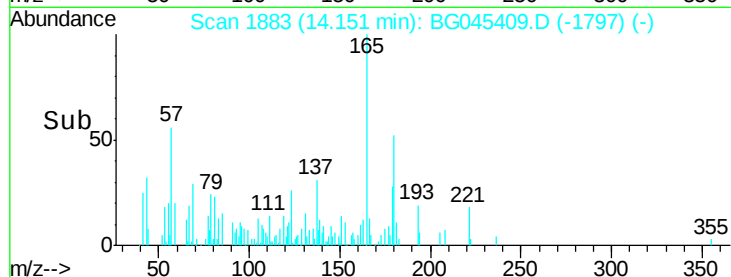
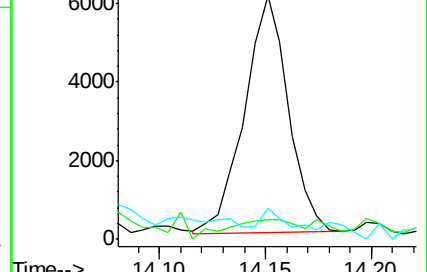
89 12.8 50.2 75.4#



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: 5.501 ng

RT: 14.81 min Scan# 1995

Delta R.T. 0.09 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

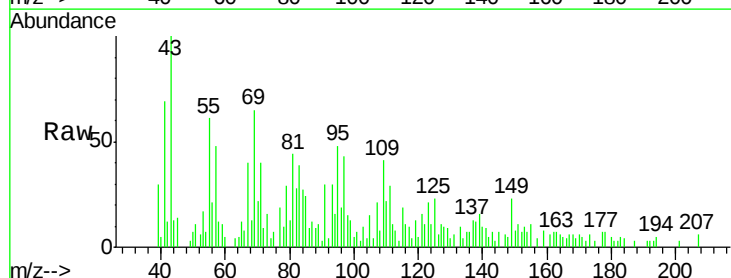
Tgt Ion:184 Resp: 91

Ion Ratio Lower Upper

184 100

63 89.1 47.8 71.6#

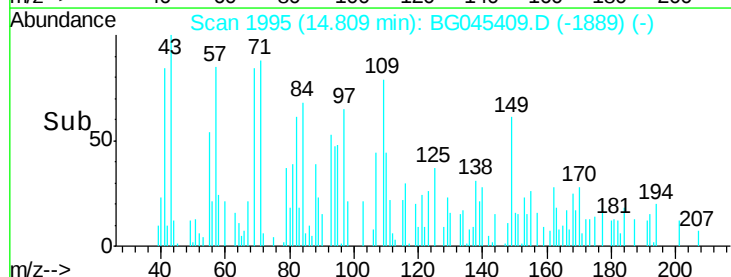
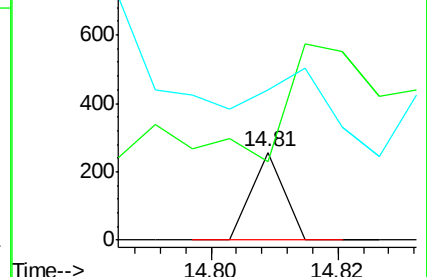
154 170.4 58.3 87.5#

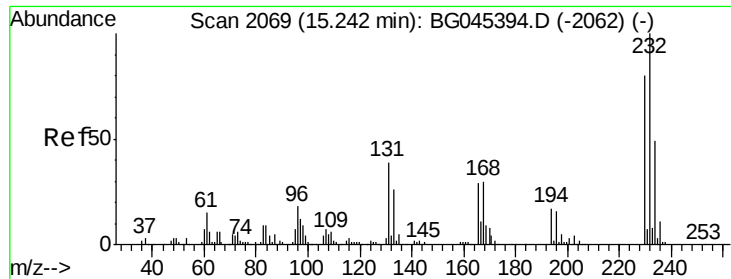


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 2.004 ng

RT: 15.22 min Scan# 2065

Delta R.T. -0.02 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion:232 Resp: 7762

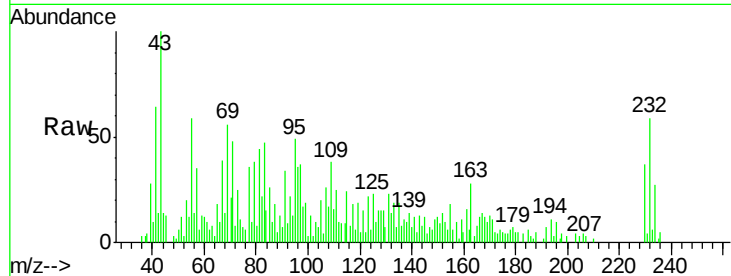
Ion Ratio Lower Upper

232 100

131 27.6 33.7 50.5#

130 0.0 2.1 3.1#

166 35.7 23.2 34.8#

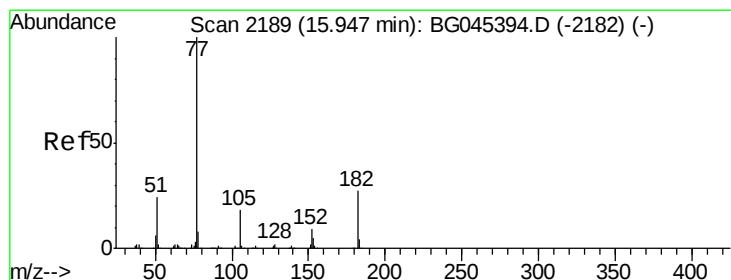
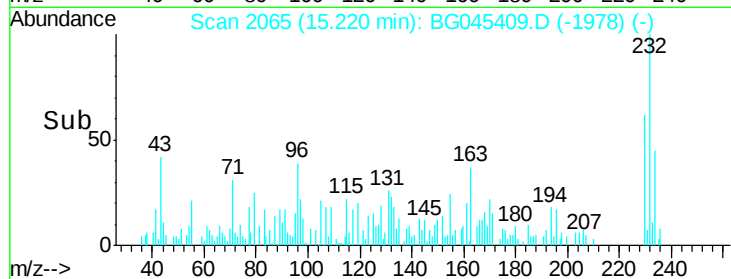
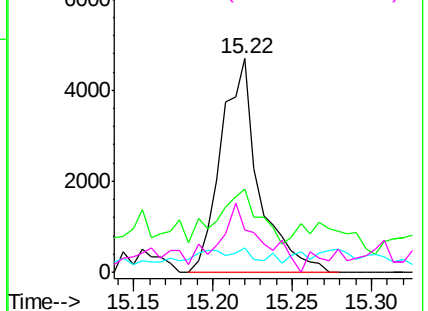


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#63

Azobenzene

Concen: 5.270 ng

RT: 16.00 min Scan# 2198

Delta R.T. 0.05 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

Tgt Ion: 77 Resp: 69656

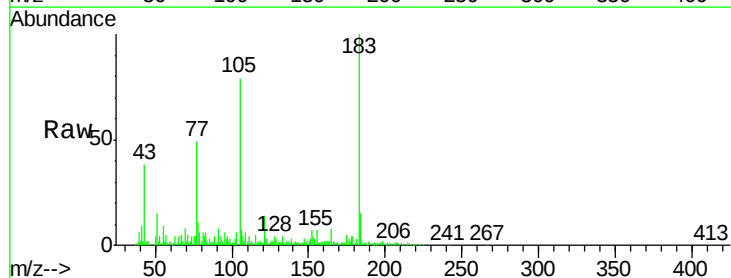
Ion Ratio Lower Upper

77 100

182 0.0 6.5 46.5#

105 162.5 0.0 37.9#

51 31.6 4.1 44.1

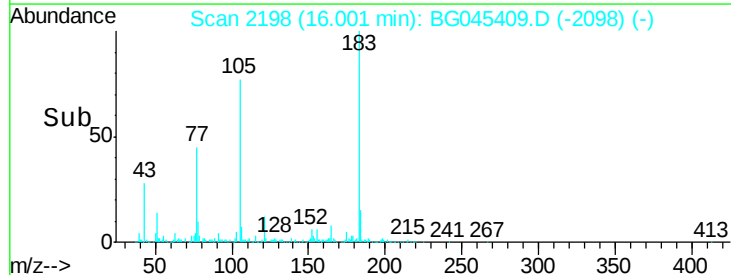
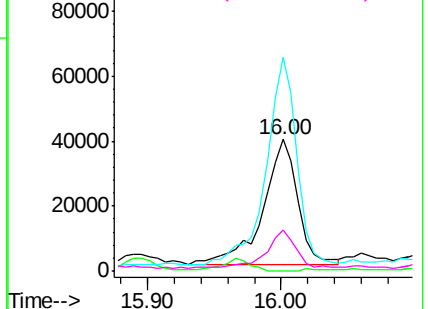


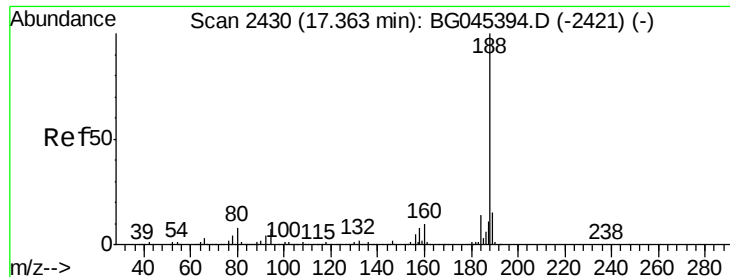
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

Instrument :

BNA_G

ClientSampleId :

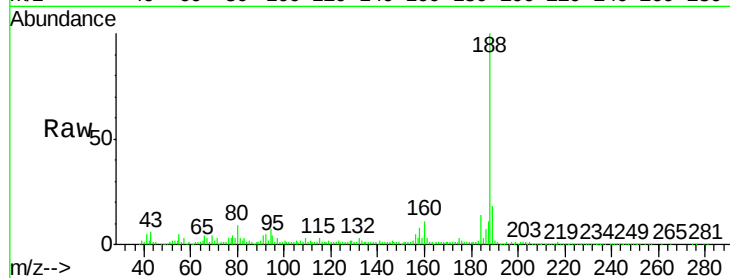
Tot Ion:188 Resp: 406594

Ion Ratio Lower Upper

188 100

94 7.5 5.5 8.3

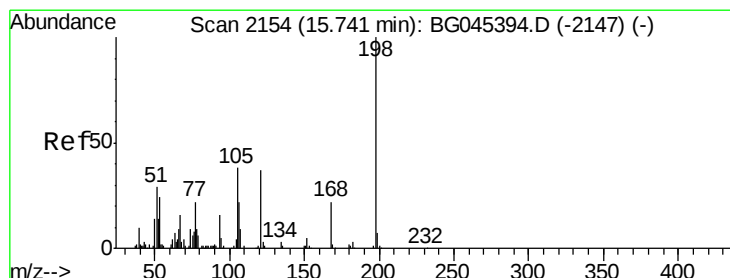
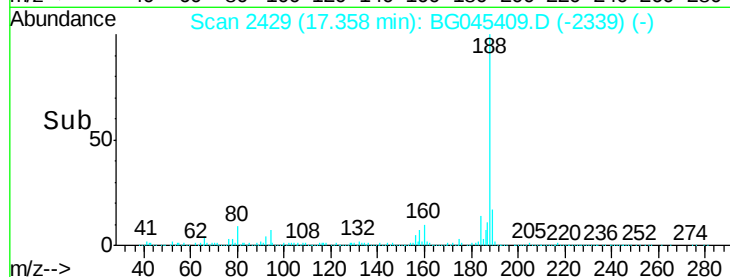
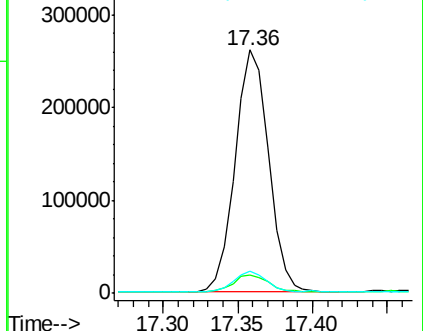
80 9.3 6.6 10.0



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: 3.041 ng

RT: 16.14 min Scan# 2221

Delta R.T. 0.40 min

Lab File: BG045409.D

Acq: 15 May 2020 23:17

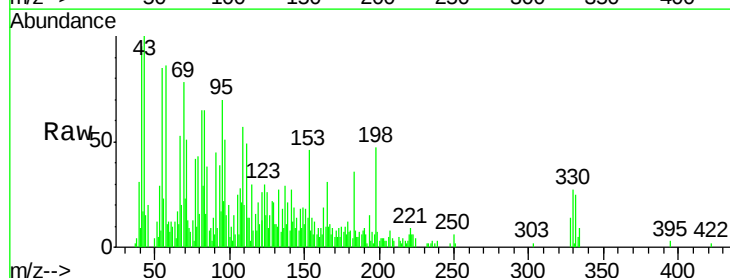
Tgt Ion:198 Resp: 7201

Ion Ratio Lower Upper

198 100

51 26.5 10.0 50.0

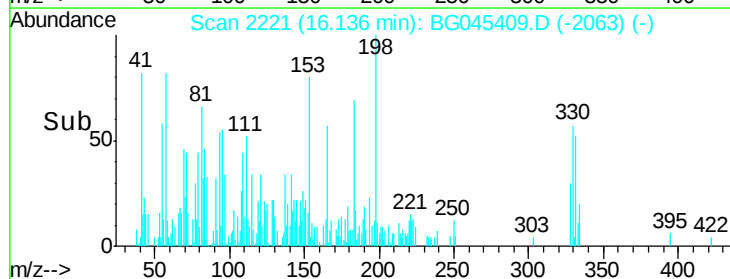
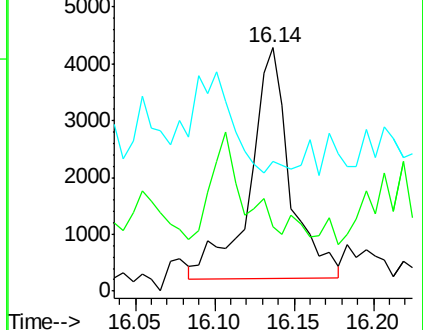
105 53.3 18.9 58.9

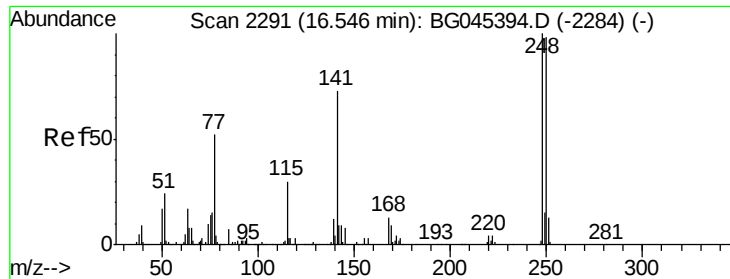


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

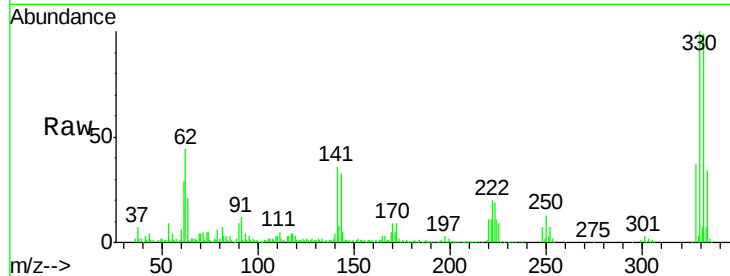




#67
 4-Bromophenyl-phenylether
 Concen: 5.114 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.44 min
 Lab File: BG045409.D
 Acq: 15 May 2020 23:17

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	184.2	78.6	117.8#
141	509.7	58.2	87.2#

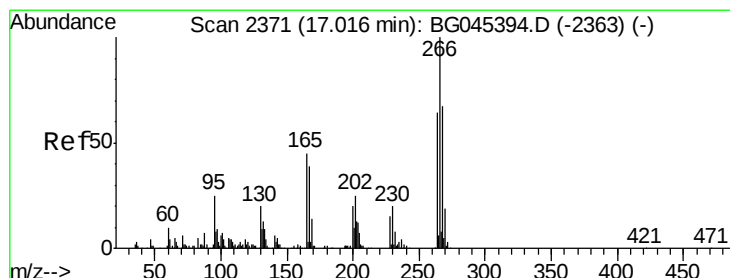
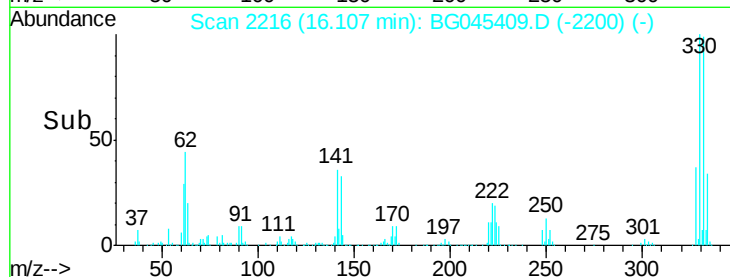
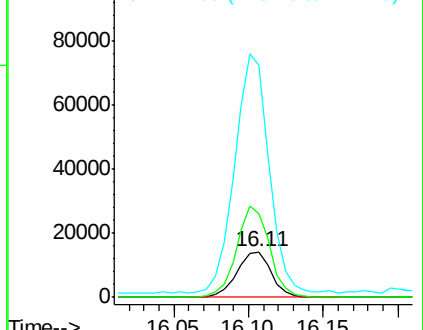


Abundance

Ion 248.00 (247.70 to 248.70): E

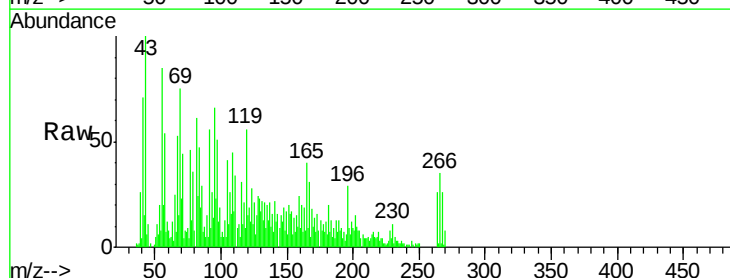
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70
 Pentachlorophenol
 Concen: 3.936 ng
 RT: 17.02 min Scan# 2372
 Delta R.T. 0.01 min
 Lab File: BG045409.D
 Acq: 15 May 2020 23:17

Tgt Ion	Ratio	Lower	Upper
266	100		
268	72.7	53.2	79.8
264	74.7	51.0	76.4

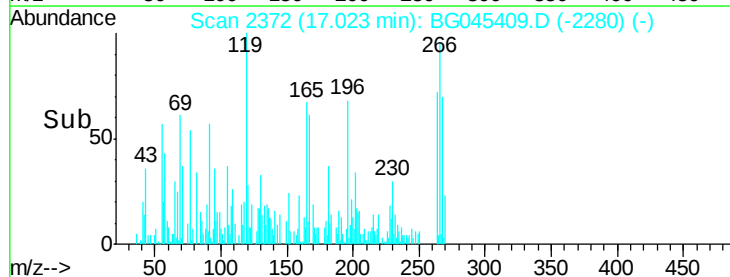
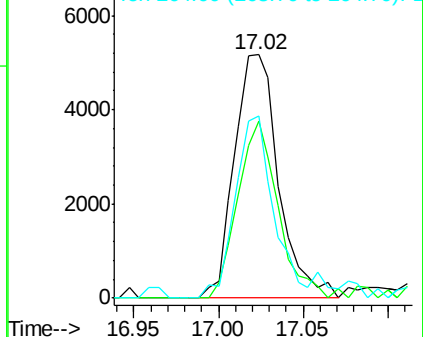


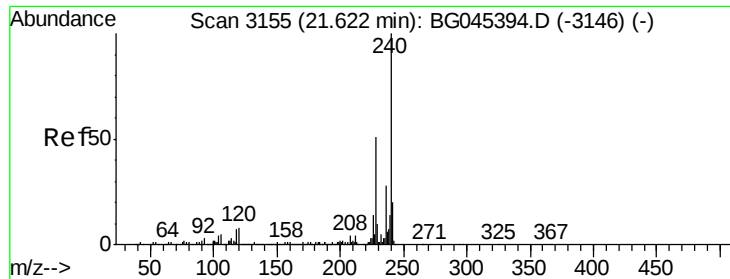
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

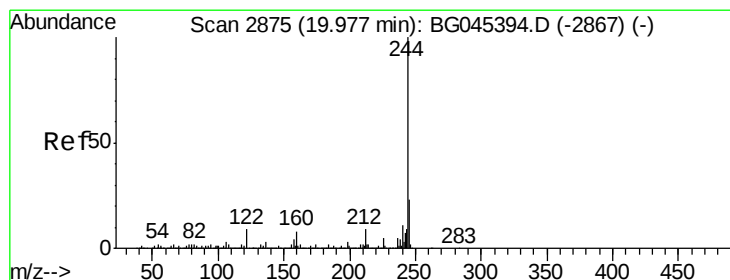
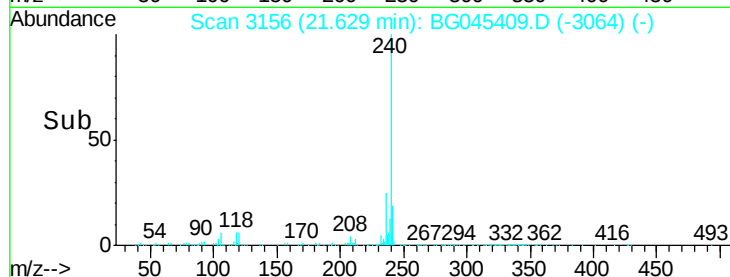
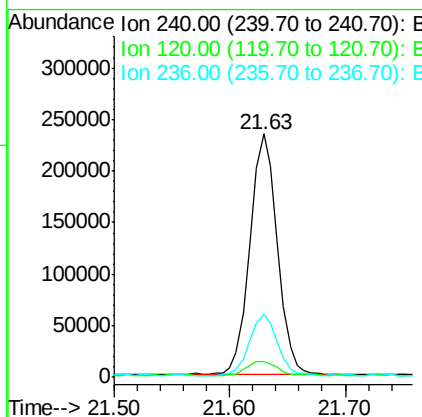
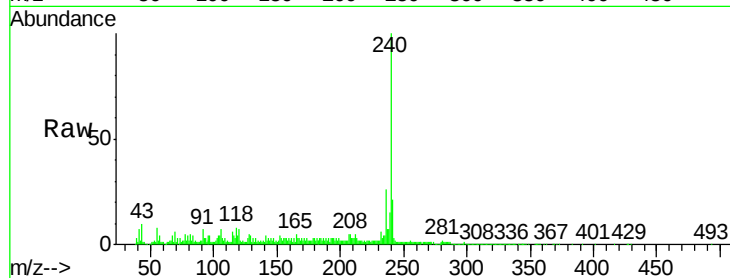




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. 0.01 min
 Lab File: BG045409.D
 Acq: 15 May 2020 23:17

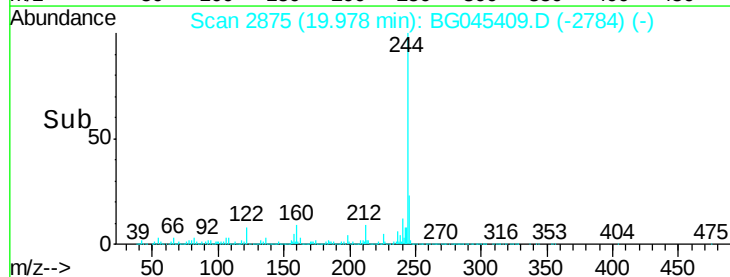
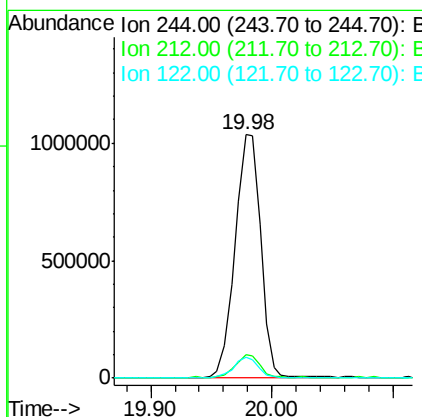
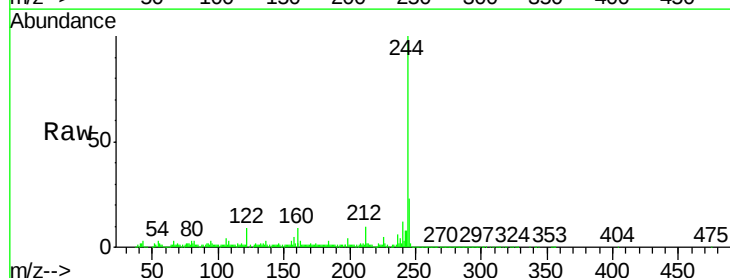
Instrument :
 BNA_G
 ClientSampleId :

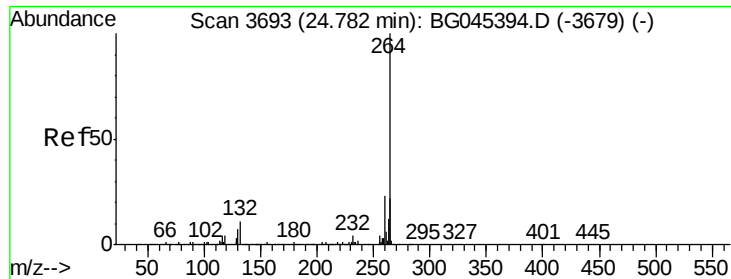
Tot Ion:240 Resp: 385541
 Ion Ratio Lower Upper
 240 100
 120 6.7 6.1 9.1
 236 25.9 22.3 33.5



#79
 Terphenyl-d14
 Concen: 92.557 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. 0.00 min
 Lab File: BG045409.D
 Acq: 15 May 2020 23:17

Tgt Ion:244 Resp: 1530016
 Ion Ratio Lower Upper
 244 100
 212 9.5 7.4 11.0
 122 8.7 6.8 10.2

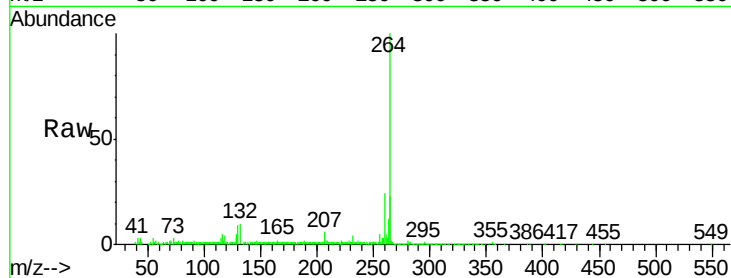




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.80 min Scan# 3695
 Delta R.T. 0.01 min
 Lab File: BG045409.D
 Acq: 15 May 2020 23:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.4
265	22.6	17.6	26.4



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

