

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060520\
 Data File : BG045616.D
 Acq On : 5 Jun 2020 14:36
 Operator : CG/JU
 Sample : L2822-02DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AP7DL

Quant Time: Jun 05 17:53:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	59281	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	232368	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	162457	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	343483	20.00	ng	0.00
76) Chrysene-d12	21.60	240	376871	20.00	ng	0.00
87) Perylene-d12	24.75	264	398545	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	54618	18.01	ng	0.00
7) Phenol-d6	7.15	99	73578	17.04	ng	0.00
23) Nitrobenzene-d5	9.12	82	60171	14.12	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	40027	19.27	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	134678	14.06	ng	0.00
79) Terphenyl-d14	19.96	244	244188	15.11	ng	0.00

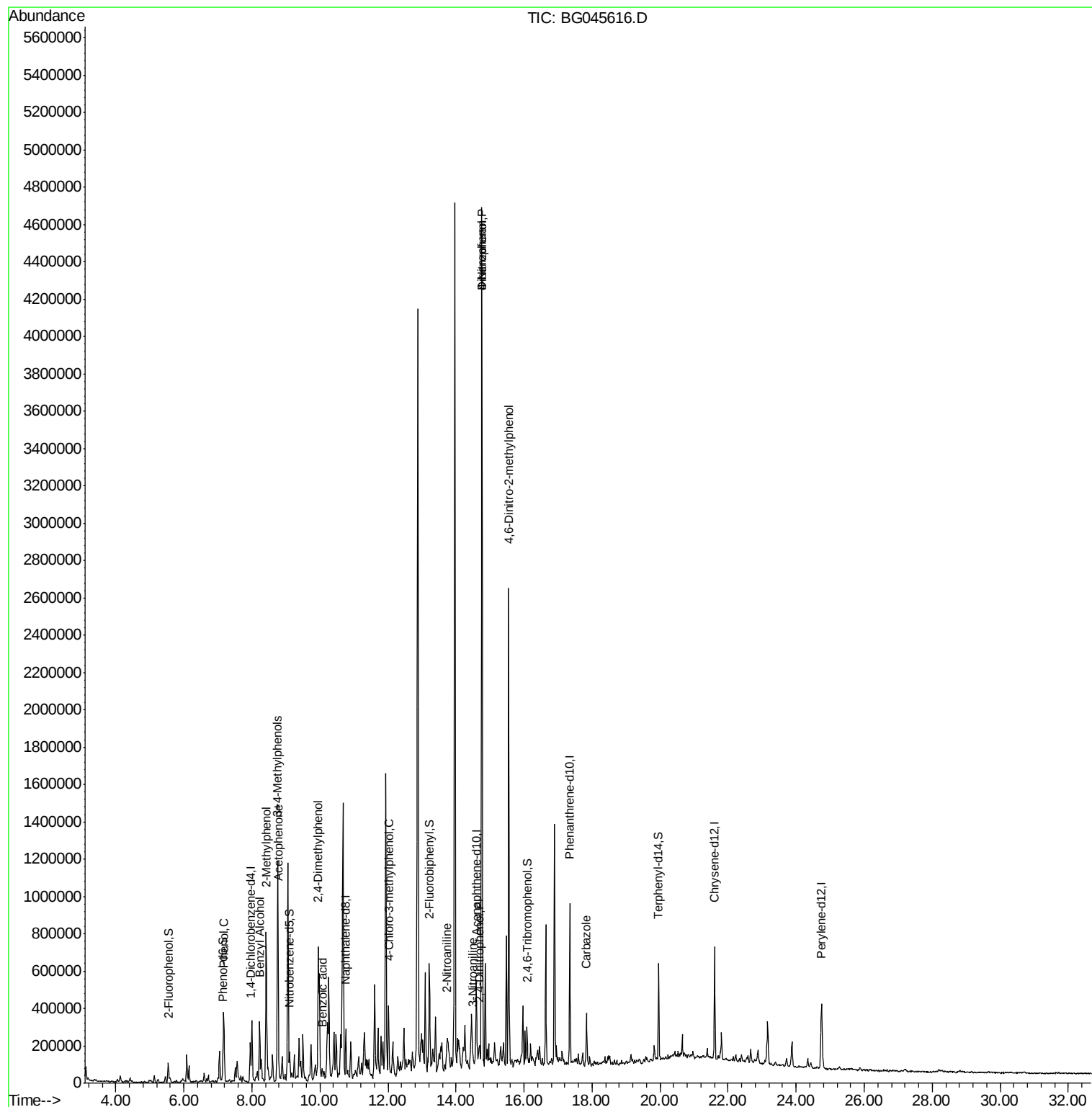
Target Compounds				Qvalue		
10) Phenol	7.17	94	224630	50.483	ng	97
15) Benzyl Alcohol	8.23	79	15988	4.483	ng	# 48
17) 2-Methylphenol	8.42	107	269984	81.063	ng	98
20) 3+4-Methylphenols	8.76	107	559713	123.412	ng	89
22) Acetophenone	8.78	105	29986	5.445	ng	# 20
27) 2,4-Dimethylphenol	9.95	122	212219	73.265	ng	94
32) Benzoic acid	10.08	122	16082	16.481	ng	# 85
36) 4-Chloro-3-methylphenol	12.01	107	14729	3.821	ng	# 20
48) 2-Nitroaniline	13.75	65	8902	3.339	ng	# 34
53) 3-Nitroaniline	14.49	138	16600	6.494	ng	# 6
54) 2,4-Dinitrophenol	14.67	184	6056	8.884	ng	# 59
55) Dibenzofuran	14.76	168	227499	17.577	ng	# 86
56) 4-Nitrophenol	14.76	139	100024	51.681	ng	# 65
65) 4,6-Dinitro-2-methylphenol	15.55	198	6030	3.014	ng	# 1
73) Carbazole	17.83	167	74638	5.085	ng	# 59

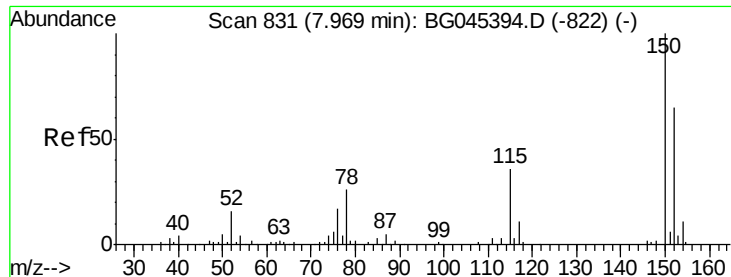
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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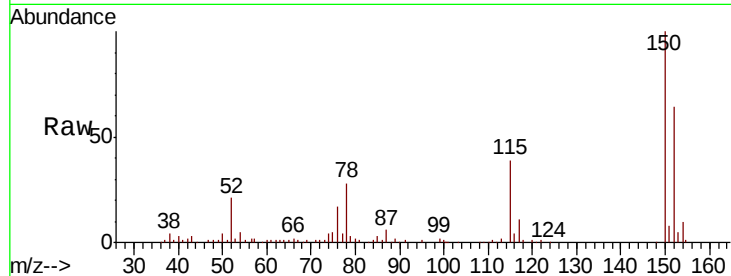


#1

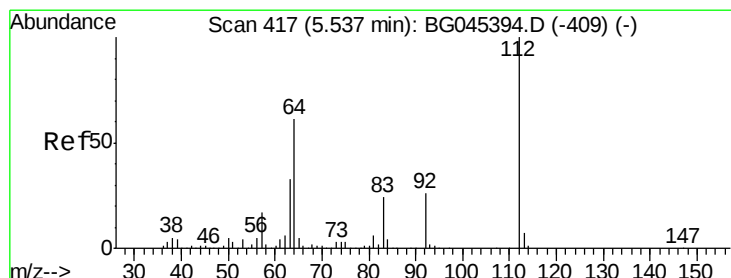
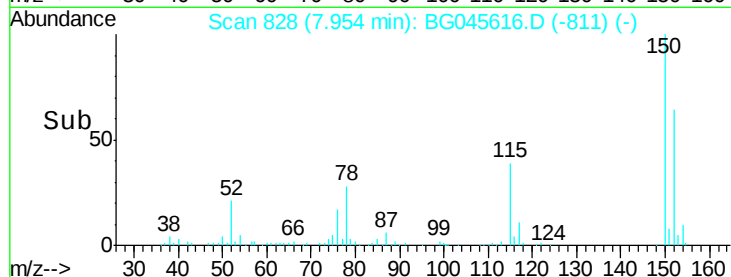
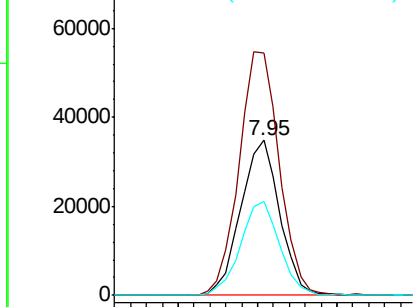
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. 0.00 min
Lab File: BG045616.D
Acq: 5 Jun 2020 14:36

Instrument :
BNA_G
ClientSampleId :
C0AP7DL

Tot Ion:152 Resp: 59281
Ion Ratio Lower Upper
152 100
150 156.1 122.4 183.6
115 60.6 44.2 66.4



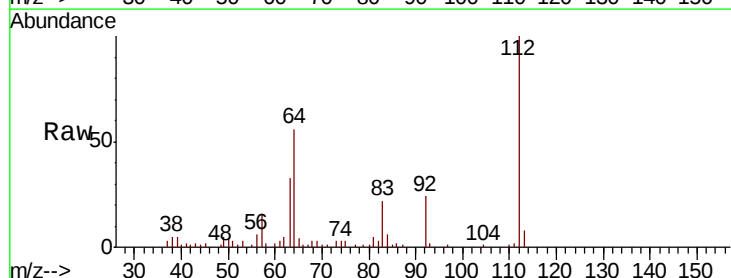
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



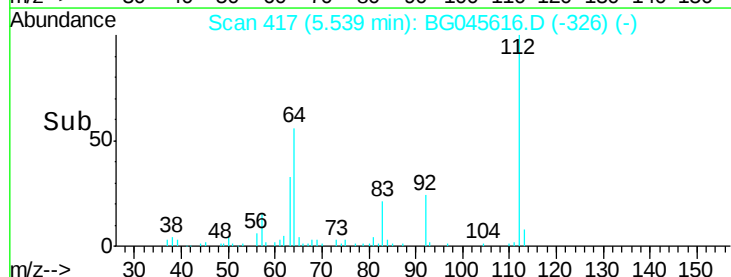
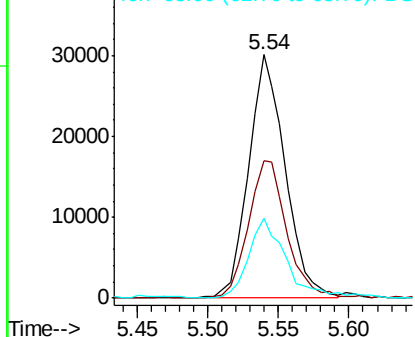
#5

2-Fluorophenol
Concen: 18.006 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045616.D
Acq: 5 Jun 2020 14:36

Tgt Ion:112 Resp: 54618
Ion Ratio Lower Upper
112 100
64 56.5 48.6 72.8
63 32.6 26.5 39.7



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





#7

Phenol-d6

Concen: 17.042 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG045616.D

Acq: 5 Jun 2020 14:36

Instrument :

BNA_G

ClientSampled :

C0AP7DL

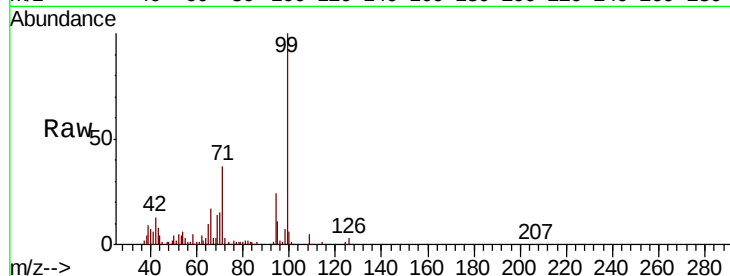
Tot Ion: 99 Resp: 73578

Ion Ratio Lower Upper

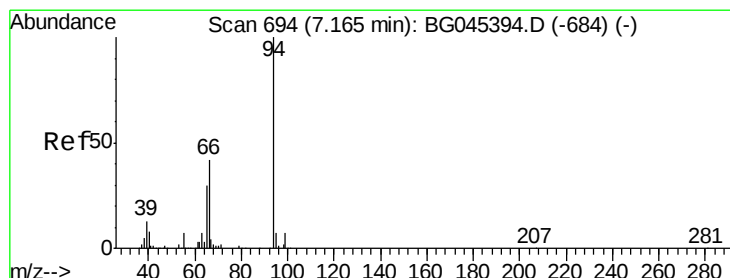
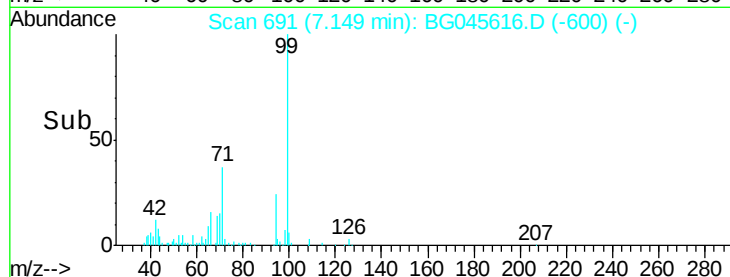
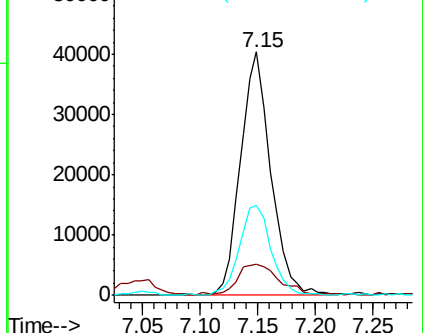
99 100

42 12.8 11.3 16.9

71 36.8 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: 50.483 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG045616.D

Acq: 5 Jun 2020 14:36

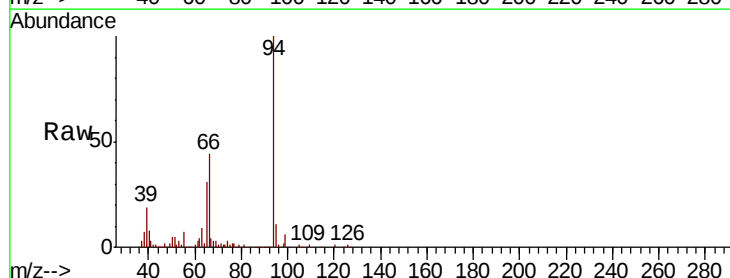
Tgt Ion: 94 Resp: 224630

Ion Ratio Lower Upper

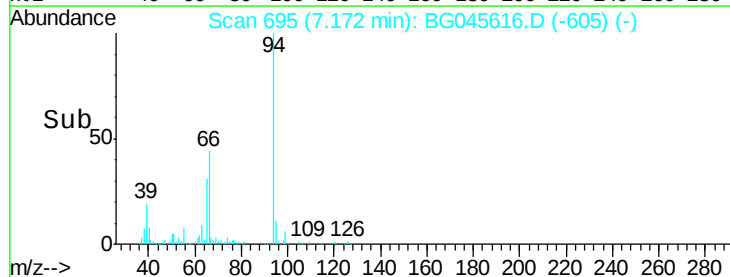
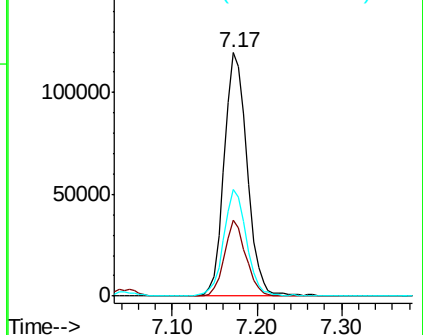
94 100

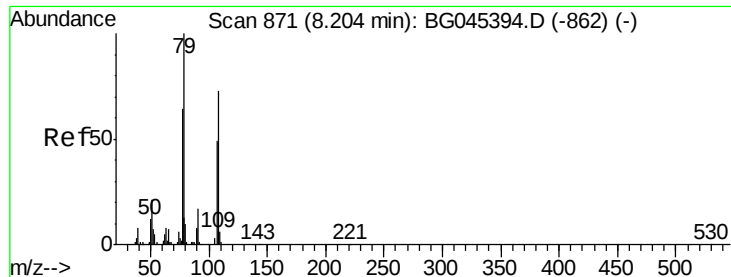
65 31.4 9.8 49.8

66 43.9 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





#15

Benzyl Alcohol

Concen: 4.483 ng

RT: 8.23 min Scan# 875

Delta R.T. 0.03 min

Lab File: BG045616.D

Acq: 5 Jun 2020 14:36

Instrument :

BNA_G

ClientSampleId :

C0AP7DL

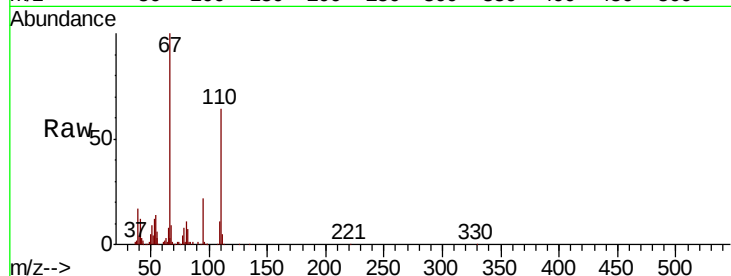
Tot Ion: 79 Resp: 15988

Ion Ratio Lower Upper

79 100

108 0.0 58.2 87.4#

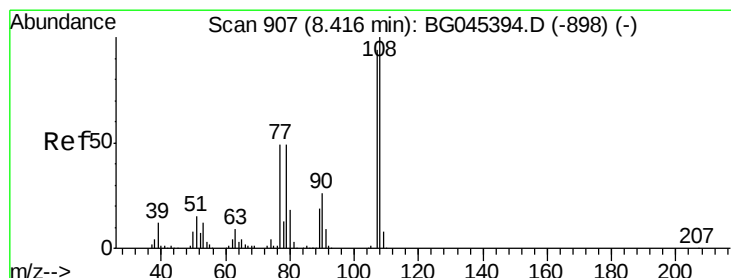
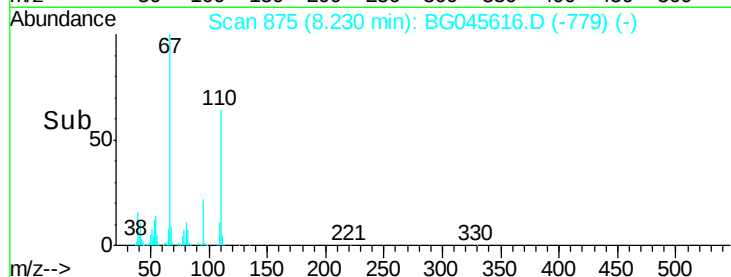
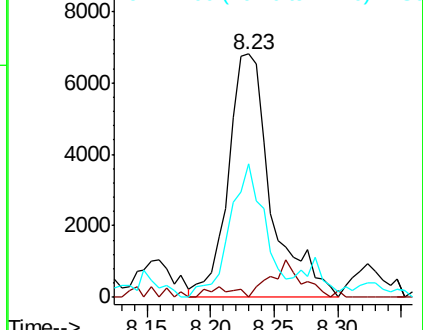
77 55.0 51.0 76.4



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#17

2-Methylphenol

Concen: 81.063 ng

RT: 8.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: BG045616.D

Acq: 5 Jun 2020 14:36

Tgt Ion: 107 Resp: 269984

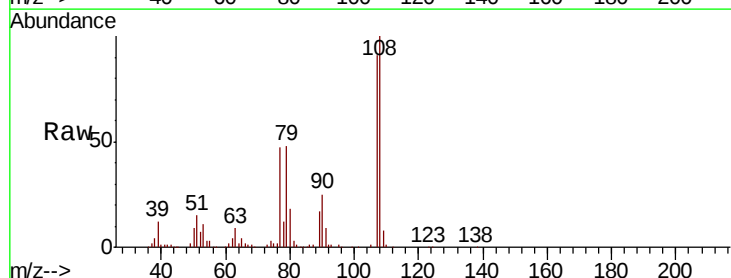
Ion Ratio Lower Upper

107 100

108 110.3 85.2 127.8

77 51.9 41.6 62.4

79 53.4 41.8 62.8

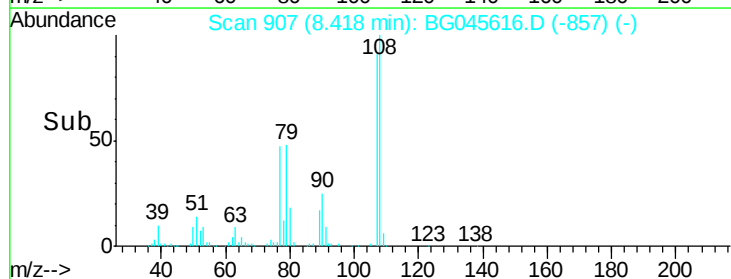
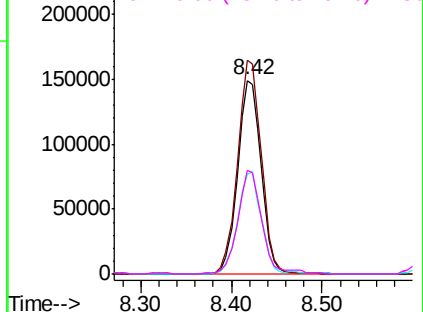


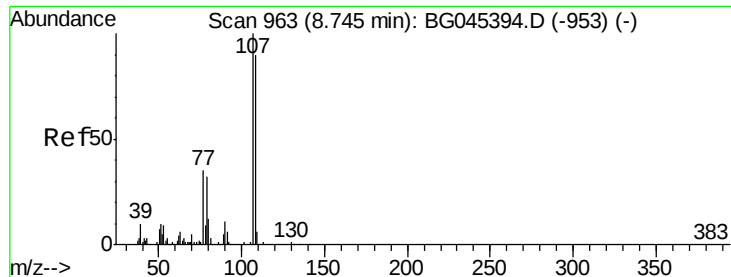
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#20

3+4-Methylphenols

Concen: 123.412 ng

RT: 8.76 min Scan# 965

Delta R.T. 0.01 min

Lab File: BG045616.D

Acq: 5 Jun 2020 14:36

Instrument :

BNA_G

ClientSampleId :

C0AP7DL

Tot Ion:107 Resp: 559713

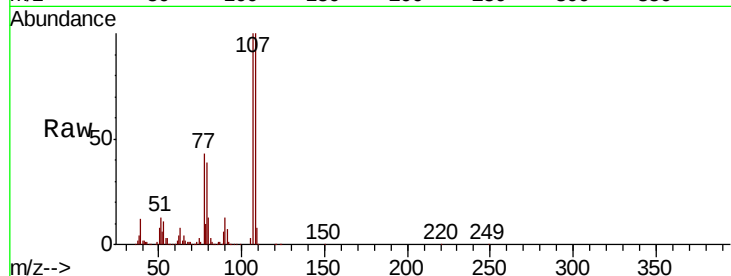
Ion Ratio Lower Upper

107 100

108 99.7 70.3 110.3

77 43.1 15.4 55.4

79 39.3 12.6 52.6

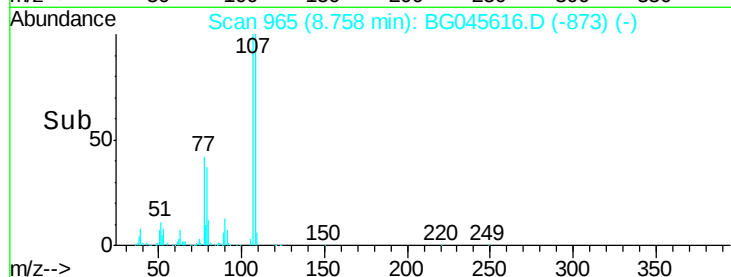


Abundance Ion 107.00 (106.70 to 107.70): E

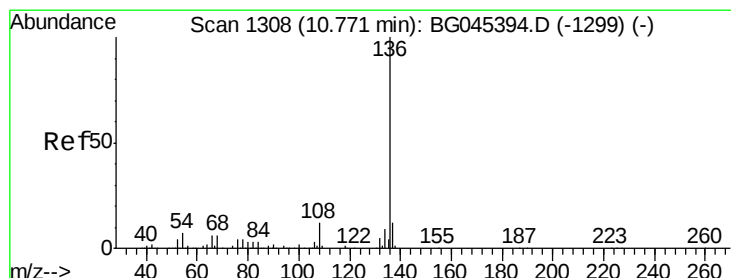
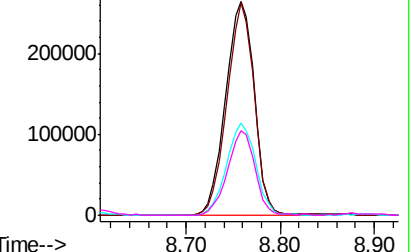
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BG045616.D

Acq: 5 Jun 2020 14:36

Tgt Ion:136 Resp: 232368

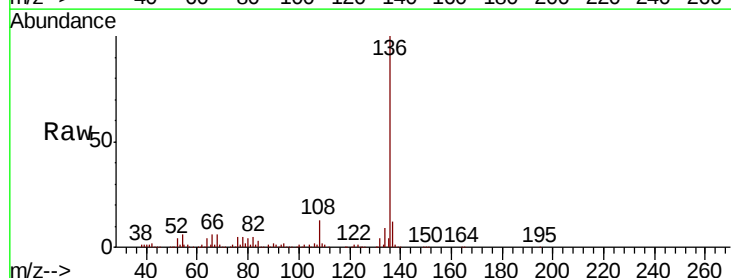
Ion Ratio Lower Upper

136 100

137 12.0 9.4 14.2

54 6.0 5.8 8.6

68 6.0 4.5 6.7

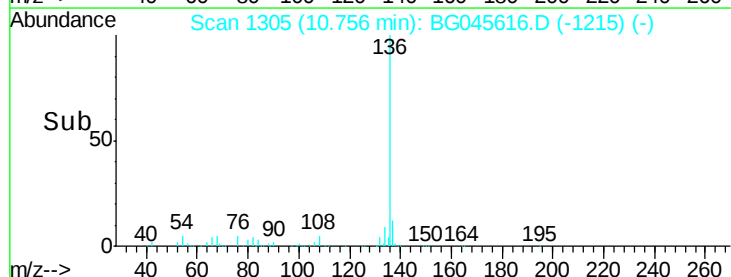


Abundance Ion 136.00 (135.70 to 136.70): E

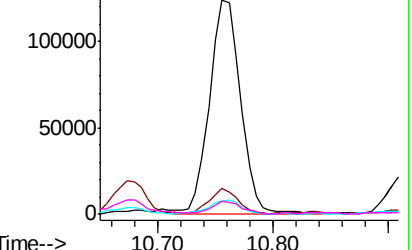
Ion 137.00 (136.70 to 137.70): E

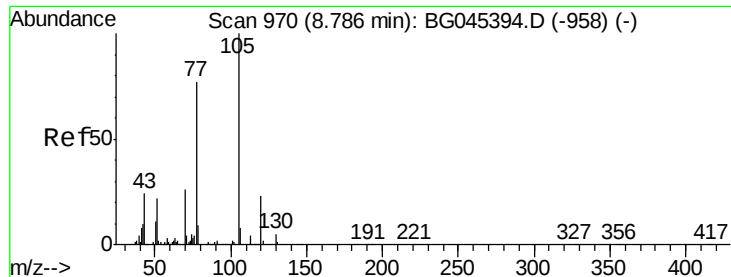
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->





#22

Acetophenone

Concen: 5.445 ng

RT: 8.78 min Scan# 968

Delta R.T. 0.00 min

Lab File: BG045616.D

Acq: 5 Jun 2020 14:36

Instrument :

BNA_G

ClientSampleId :

C0AP7DL

Tot Ion:105 Resp: 29986

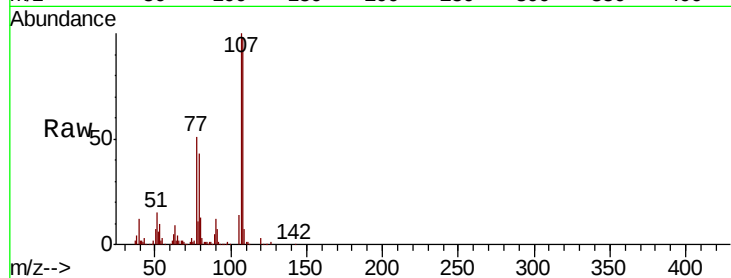
Ion Ratio Lower Upper

105 100

71 2.9 3.4 5.0#

51 104.6 18.2 27.2#

120 19.7 18.6 27.8

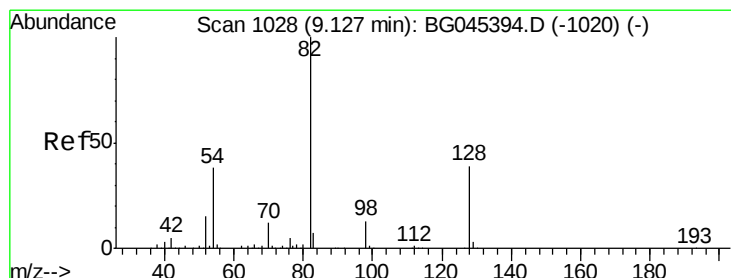
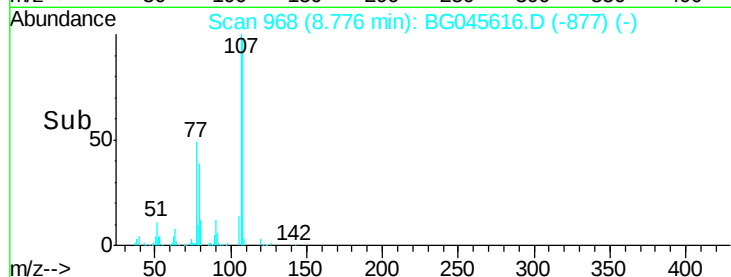
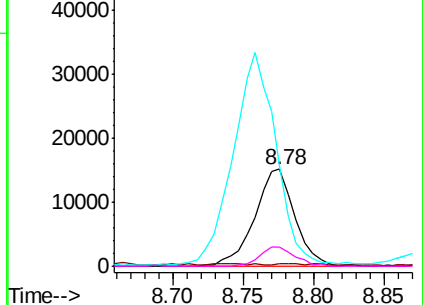


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BG0

Ion 51.00 (50.70 to 51.70): BG0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 14.121 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BG045616.D

Acq: 5 Jun 2020 14:36

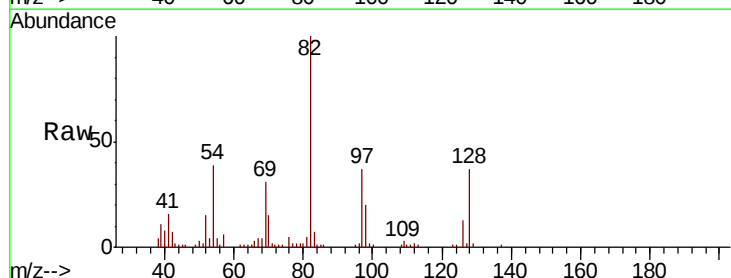
Tgt Ion: 82 Resp: 60171

Ion Ratio Lower Upper

82 100

128 37.2 30.9 46.3

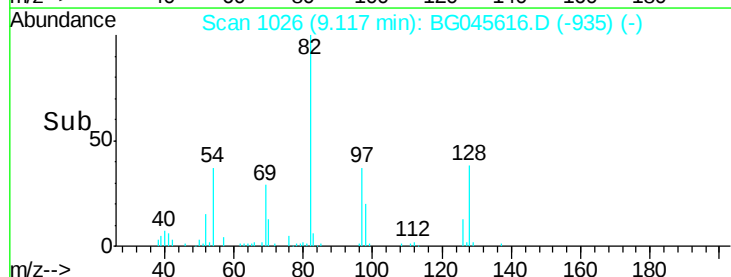
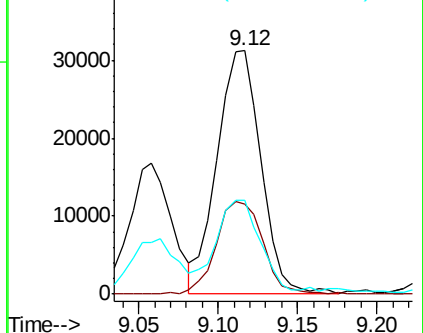
54 38.6 30.3 45.5

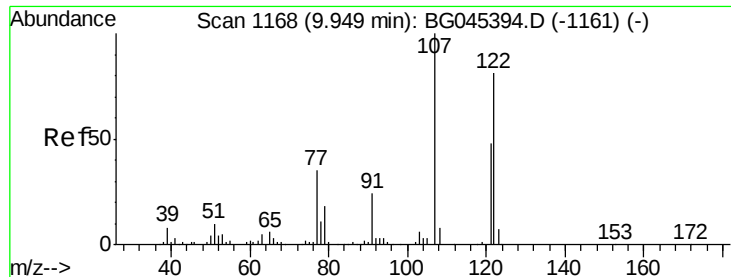


Abundance Ion 82.00 (81.70 to 82.70): BG0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG0

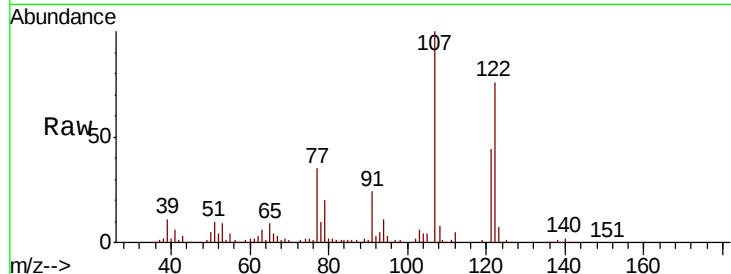




#27
2,4-Dimethylphenol
Concen: 73.265 ng
RT: 9.95 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BG045616.D
Acq: 5 Jun 2020 14:36

Instrument :
BNA_G
ClientSampleId :
C0AP7DL

Tot Ion	Ratio	Lower	Upper
122	100		
107	132.3	99.0	148.4
121	58.6	47.7	71.5

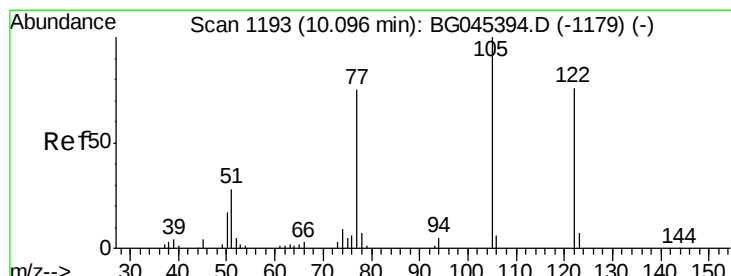
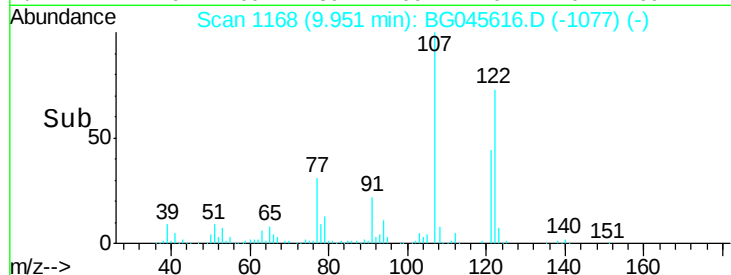
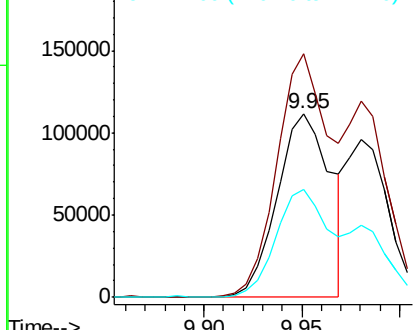


Abundance

Ion 122.00 (121.70 to 122.70): E

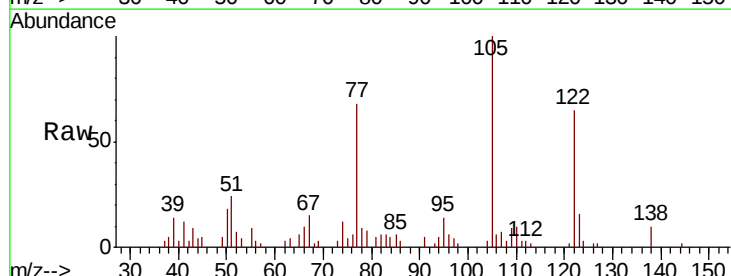
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32
Benzoic acid
Concen: 16.481 ng
RT: 10.08 min Scan# 1190
Delta R.T. -0.04 min
Lab File: BG045616.D
Acq: 5 Jun 2020 14:36

Tgt Ion	Ratio	Lower	Upper
122	100		
105	153.9	107.9	147.9#
77	105.0	78.9	118.9

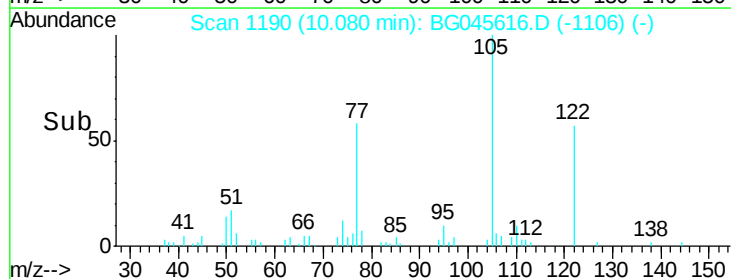
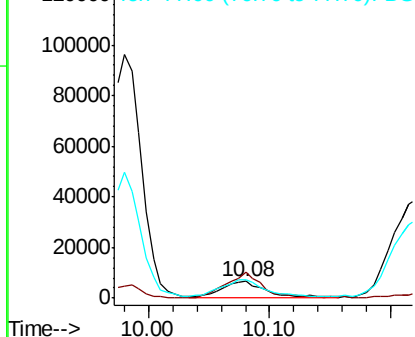


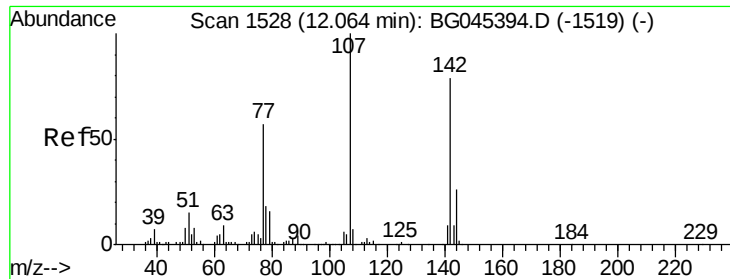
Abundance

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

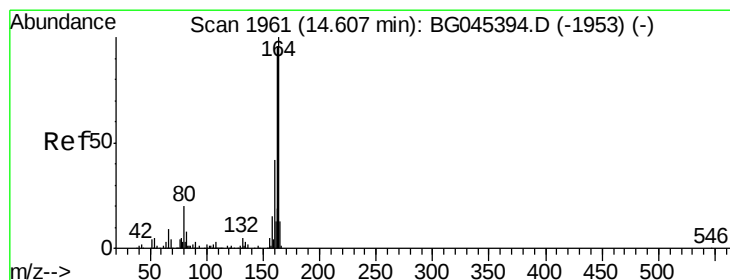
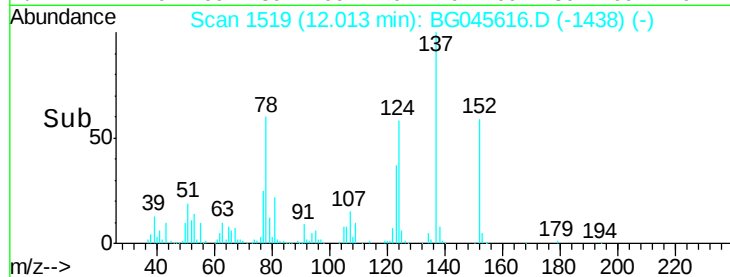
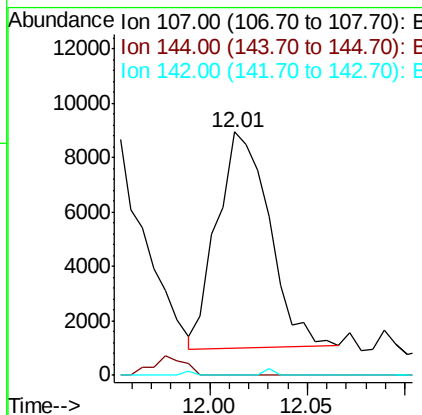
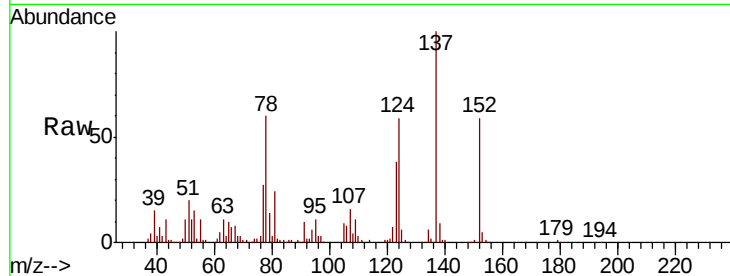




#36
 4-Chloro-3-methylphenol
 Concen: 3.821 ng
 RT: 12.01 min Scan# 1519
 Delta R.T. -0.06 min
 Lab File: BG045616.D
 Acq: 5 Jun 2020 14:36

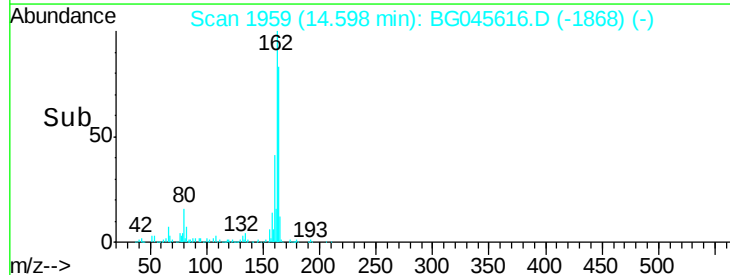
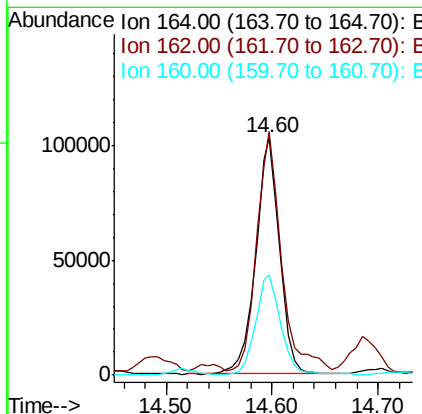
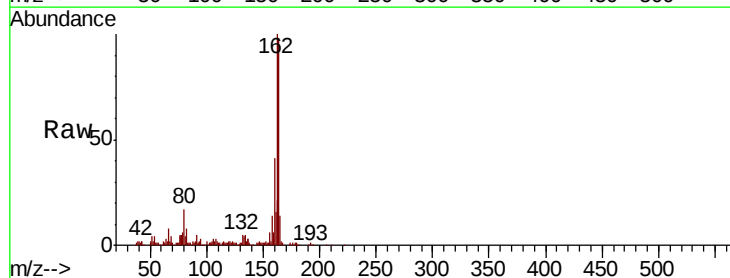
Instrument :
 BNA_G
 ClientSampleId :
 C0AP7DL

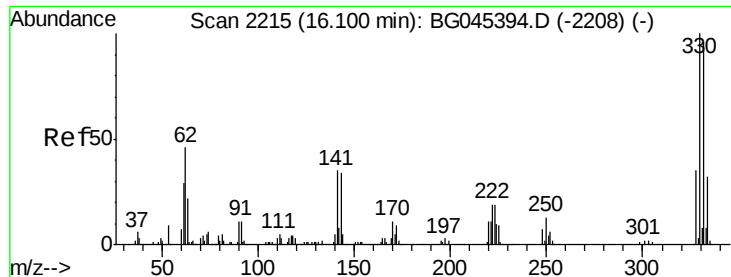
Tot Ion:107 Resp: 14729
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.8 31.2#
 142 0.0 62.8 94.2#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: BG045616.D
 Acq: 5 Jun 2020 14:36

Tgt Ion:164 Resp: 162457
 Ion Ratio Lower Upper
 164 100
 162 102.5 76.9 115.3
 160 42.3 33.8 50.8

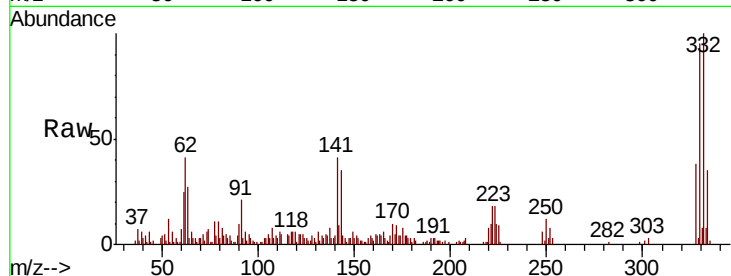




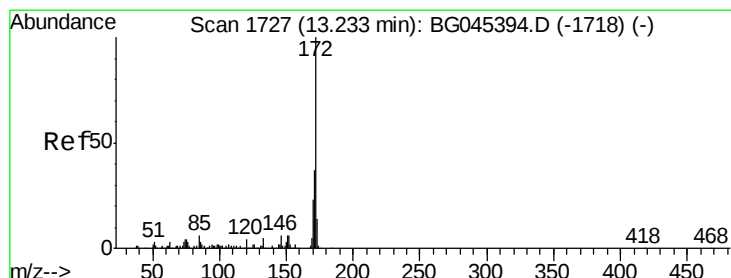
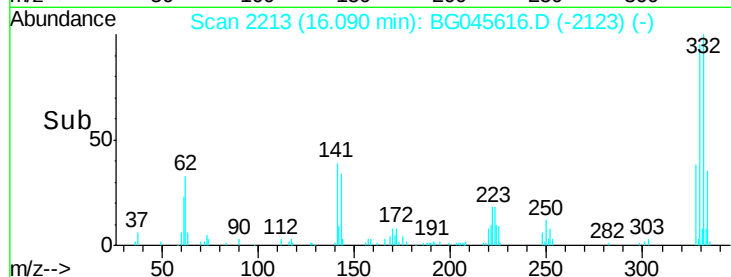
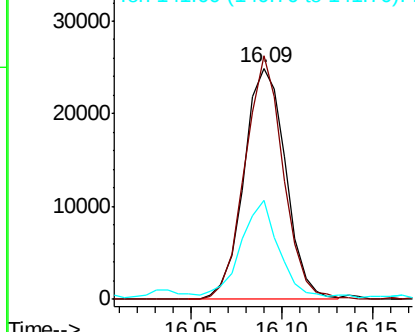
#42
 2,4,6-Tribromophenol
 Concen: 19.266 ng
 RT: 16.09 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: BG045616.D
 Acq: 5 Jun 2020 14:36

Instrument :
 BNA_G
 ClientSampleId :
 C0AP7DL

Tot Ion:330 Resp: 40027
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.2 117.4
 141 38.2 28.2 42.4

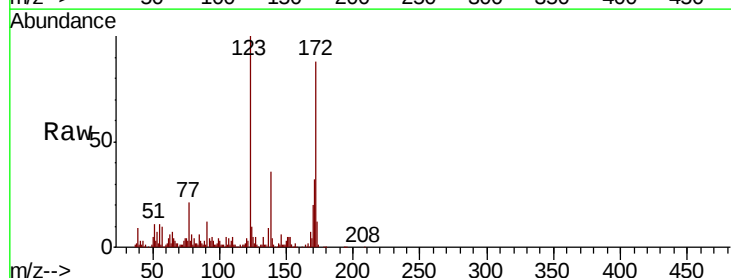


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

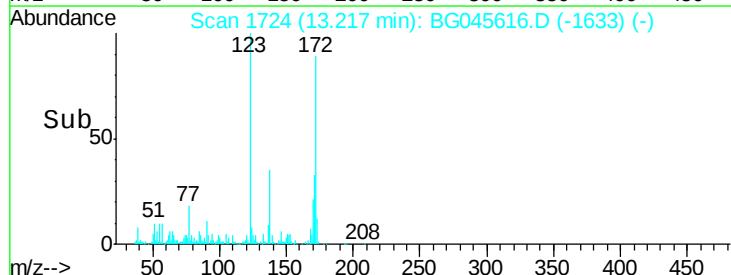
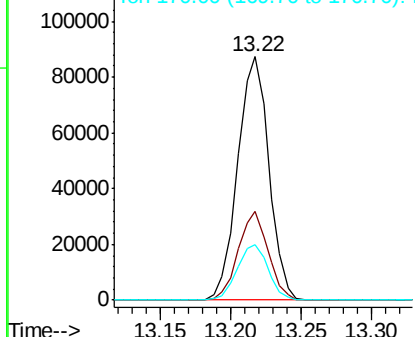


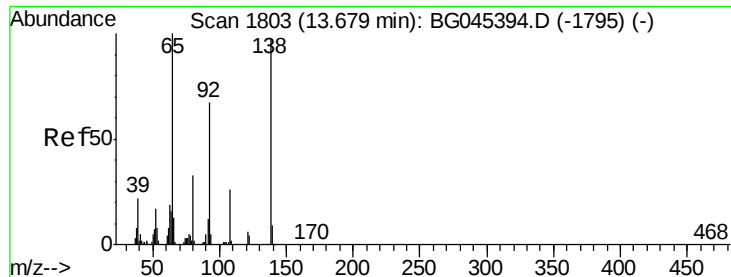
#45
 2-Fluorobiphenyl
 Concen: 14.062 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BG045616.D
 Acq: 5 Jun 2020 14:36

Tgt Ion:172 Resp: 134678
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.5 44.3
 170 23.0 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

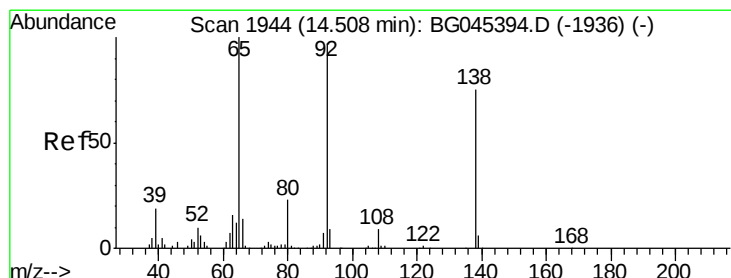
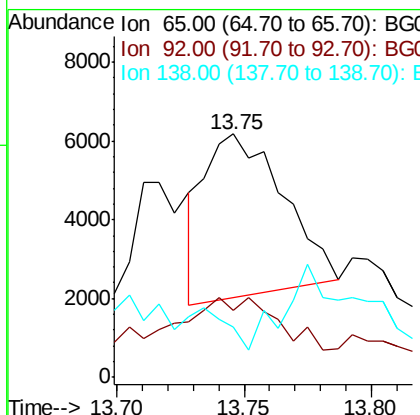
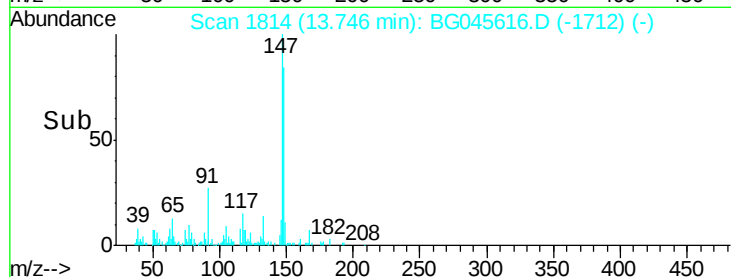
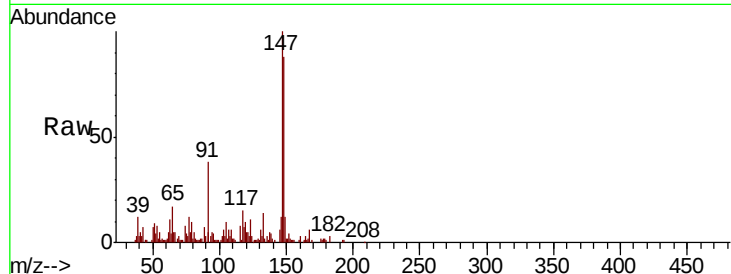




#48
2-Nitroaniline
Concen: 3.339 ng
RT: 13.75 min Scan# 1814
Delta R.T. 0.07 min
Lab File: BG045616.D
Acq: 5 Jun 2020 14:36

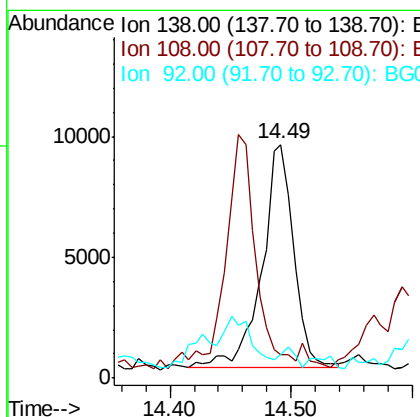
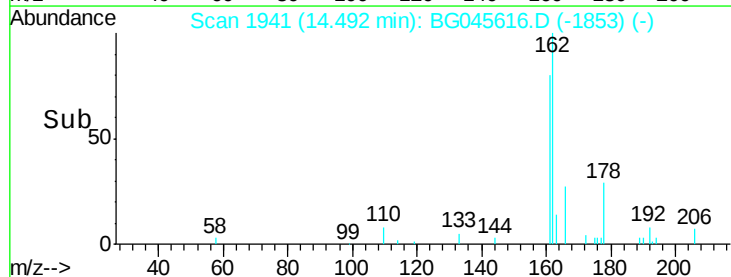
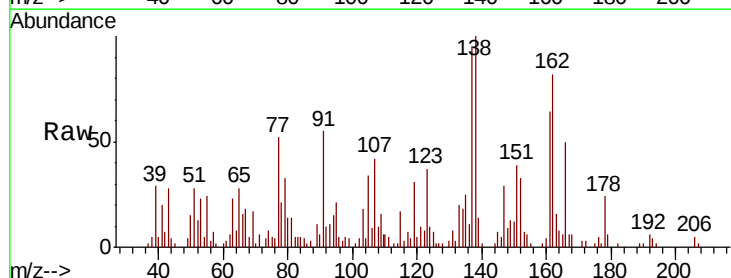
Instrument :
BNA_G
ClientSampleId :
C0AP7DL

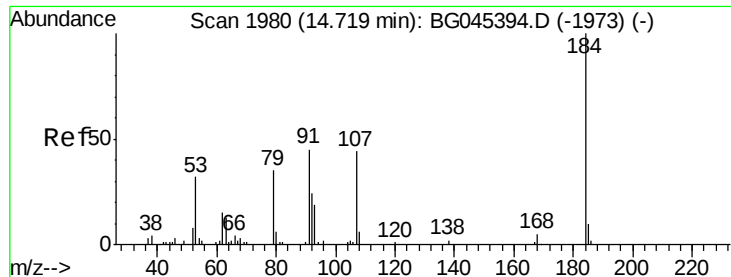
Tot Ion: 65 Resp: 8902
Ion Ratio Lower Upper
65 100
92 27.7 53.8 80.8#
138 20.9 77.9 116.9#



#53
3-Nitroaniline
Concen: 6.494 ng
RT: 14.49 min Scan# 1941
Delta R.T. -0.02 min
Lab File: BG045616.D
Acq: 5 Jun 2020 14:36

Tgt Ion: 138 Resp: 16600
Ion Ratio Lower Upper
138 100
108 9.8 9.8 14.6
92 10.1 103.0 154.4#

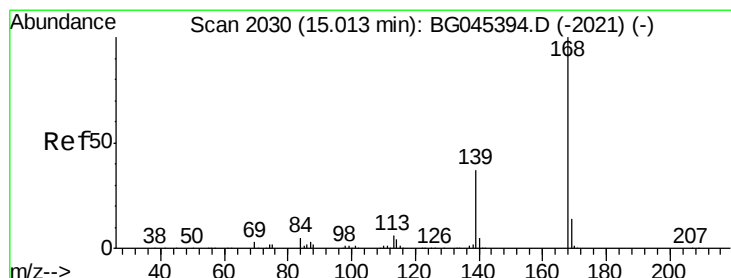
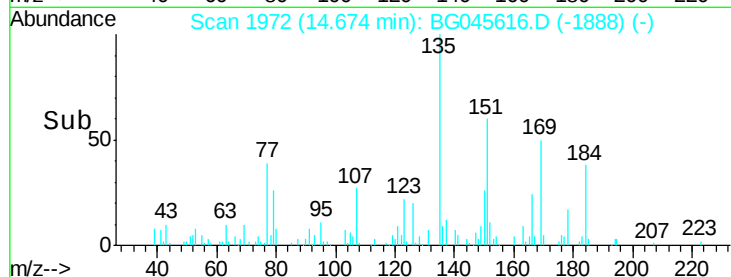
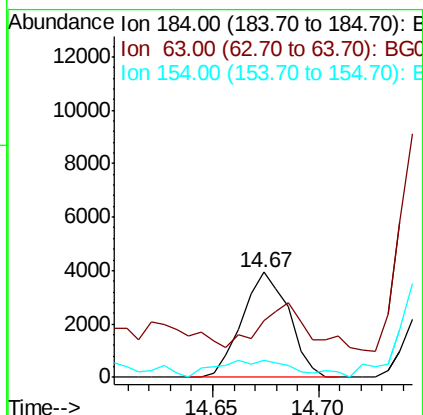
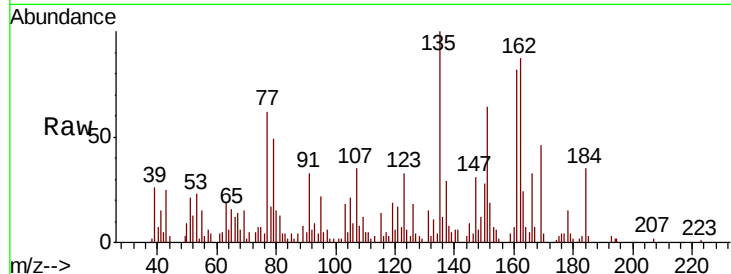




#54
2,4-Dinitrophenol
Concen: 8.884 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.04 min
Lab File: BG045616.D
Acq: 5 Jun 2020 14:36

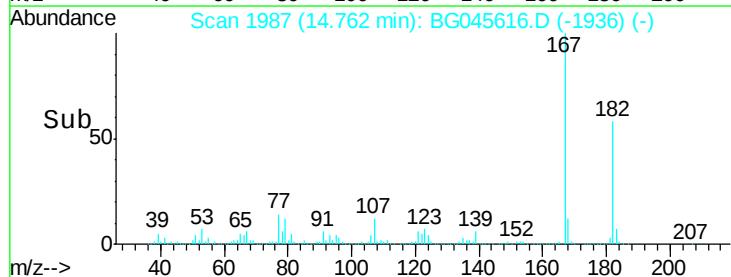
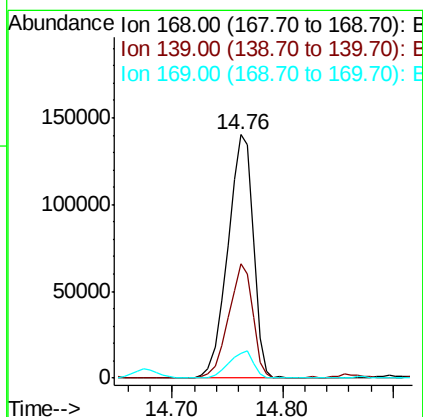
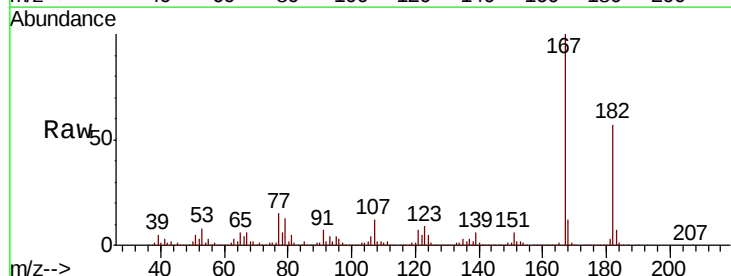
Instrument :
BNA_G
ClientSampled :
C0AP7DL

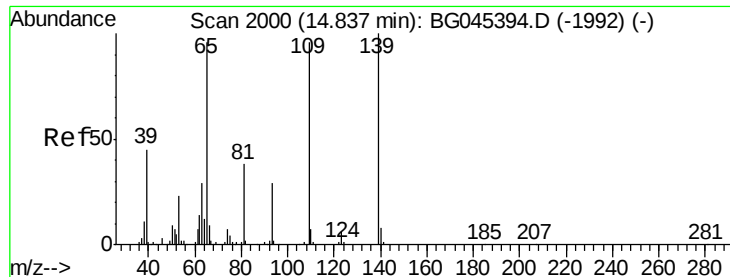
Tot Ion:184 Resp: 6056
Ion Ratio Lower Upper
184 100
63 54.5 47.8 71.6
154 15.7 58.3 87.5#



#55
Dibenzofuran
Concen: 17.577 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.23 min
Lab File: BG045616.D
Acq: 5 Jun 2020 14:36

Tgt Ion:168 Resp: 227499
Ion Ratio Lower Upper
168 100
139 46.9 29.9 44.9#
169 10.4 10.9 16.3#

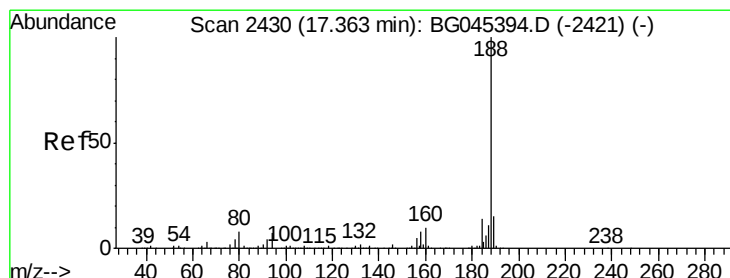
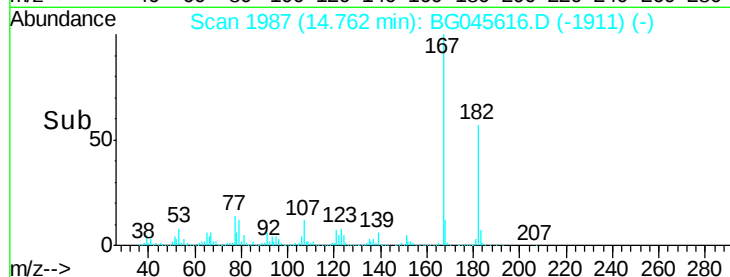
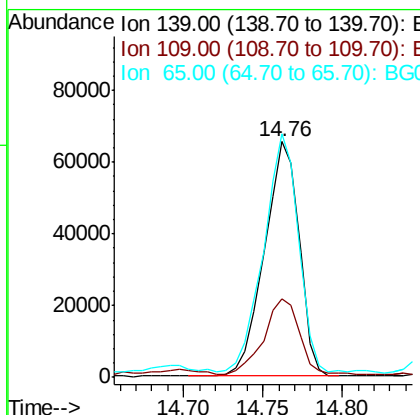
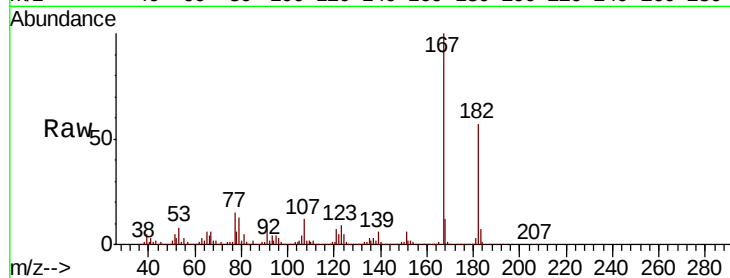




#56
4-Nitrophenol
Concen: 51.681 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.09 min
Lab File: BG045616.D
Acq: 5 Jun 2020 14:36

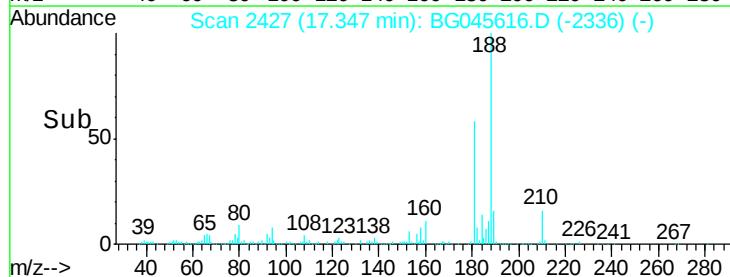
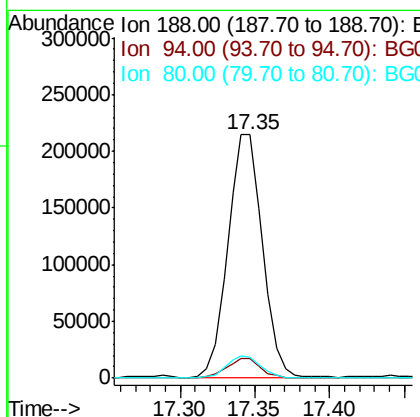
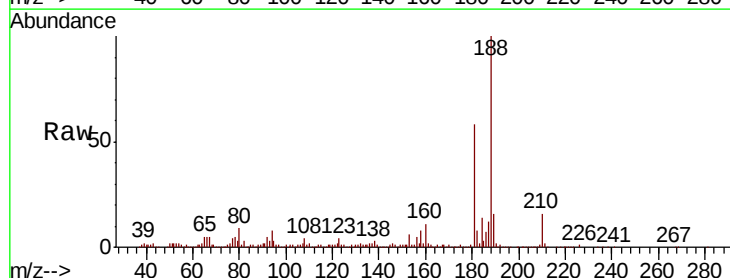
Instrument :
BNA_G
ClientSampleId :
C0AP7DL

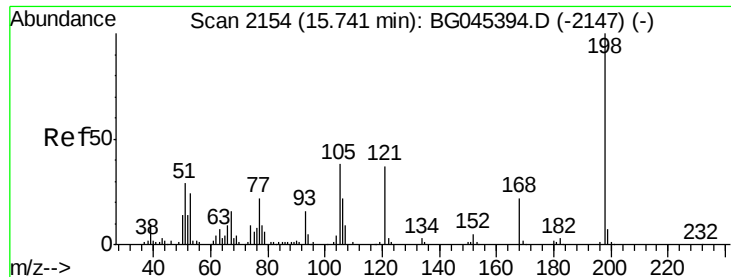
Tot Ion:139 Resp: 100024
Ion Ratio Lower Upper
139 100
109 33.0 75.6 115.6#
65 103.2 76.8 116.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.35 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BG045616.D
Acq: 5 Jun 2020 14:36

Tgt Ion:188 Resp: 343483
Ion Ratio Lower Upper
188 100
94 8.0 5.5 8.3
80 8.8 6.6 10.0

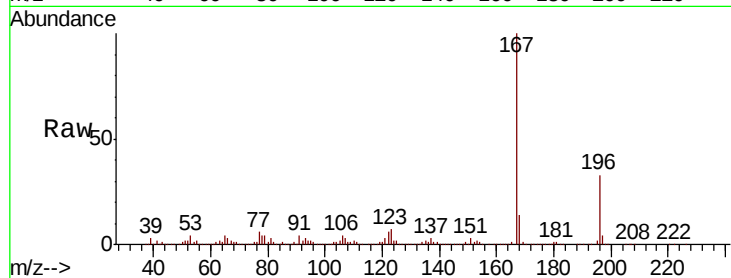




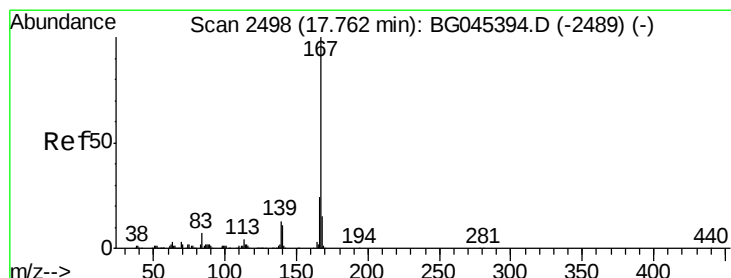
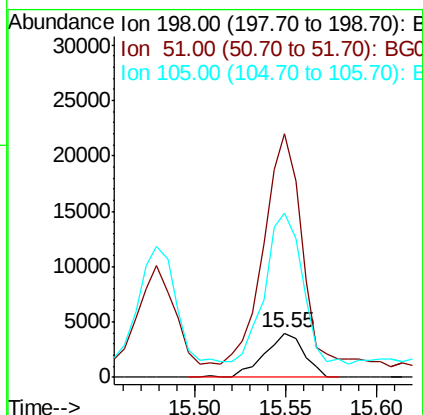
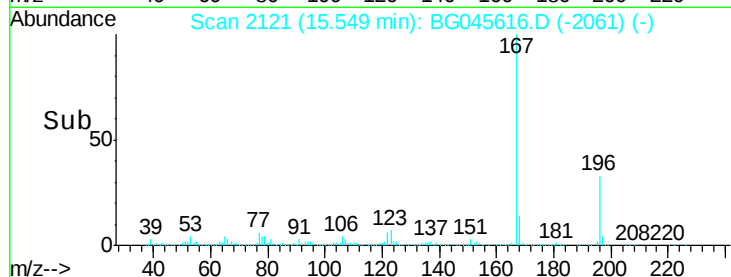
#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.014 ng
 RT: 15.55 min Scan# 2121
 Delta R.T. -0.18 min
 Lab File: BG045616.D
 Acq: 5 Jun 2020 14:36

Instrument :
 BNA_G
 ClientSampleId :
 C0AP7DL

Tot Ion:198 Resp: 6030
 Ion Ratio Lower Upper
 198 100
 51 553.2 10.0 50.0#
 105 373.5 18.9 58.9#

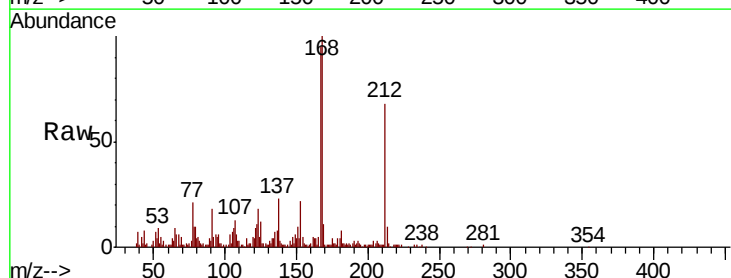


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

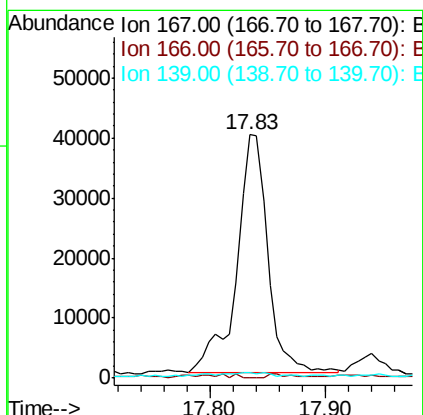
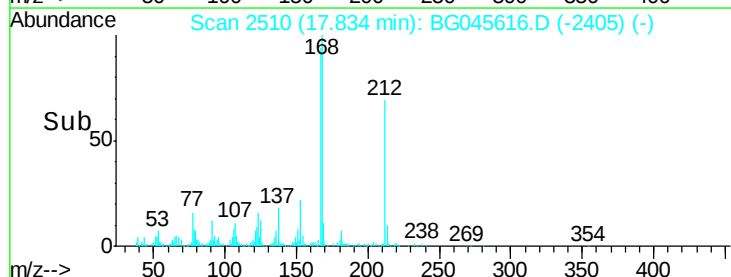


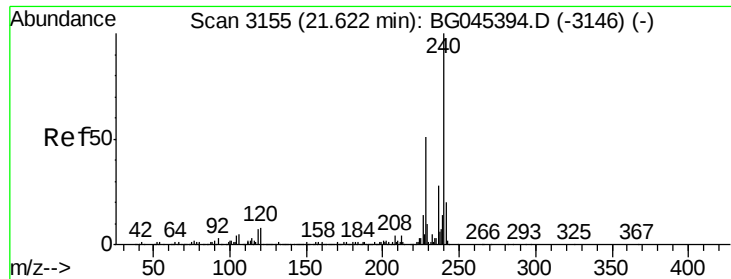
#73
 Carbazole
 Concen: 5.085 ng
 RT: 17.83 min Scan# 2510
 Delta R.T. 0.08 min
 Lab File: BG045616.D
 Acq: 5 Jun 2020 14:36

Tgt Ion:167 Resp: 74638
 Ion Ratio Lower Upper
 167 100
 166 0.0 19.2 28.8#
 139 2.1 10.6 16.0#



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

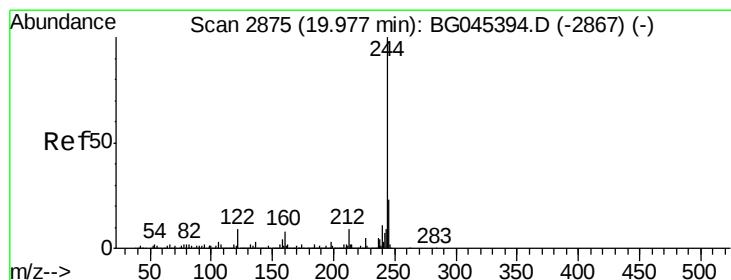
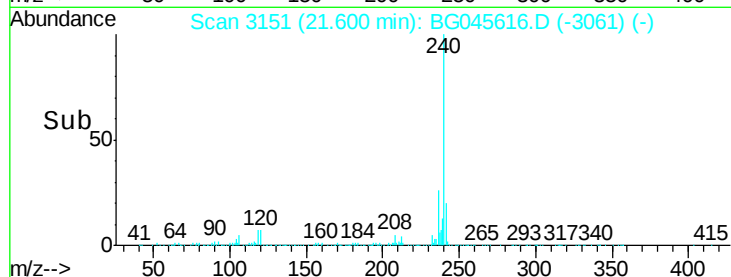
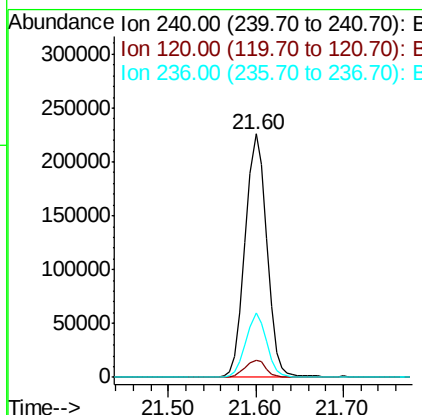
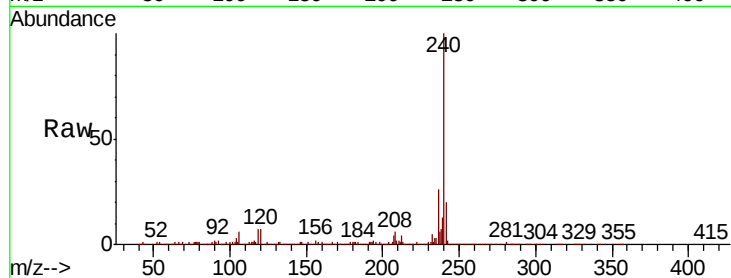




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.60 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BG045616.D
Acq: 5 Jun 2020 14:36

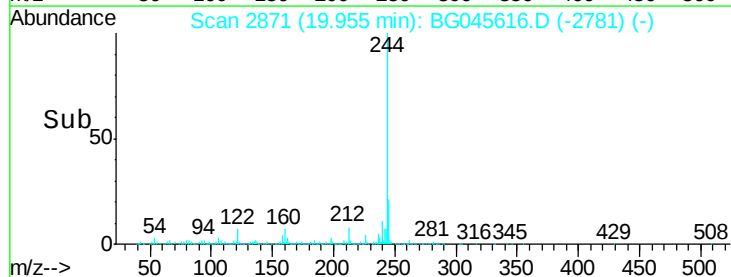
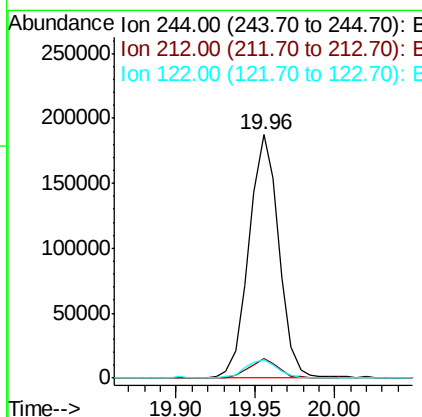
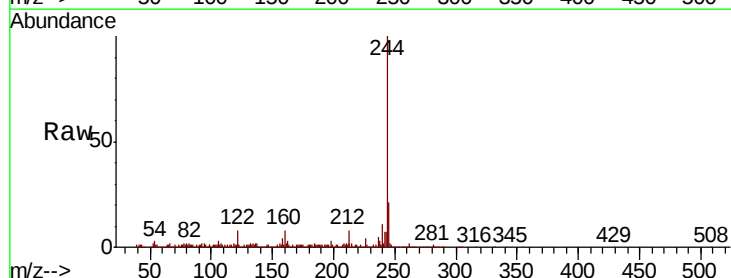
Instrument :
BNA_G
ClientSampleId :
C0AP7DL

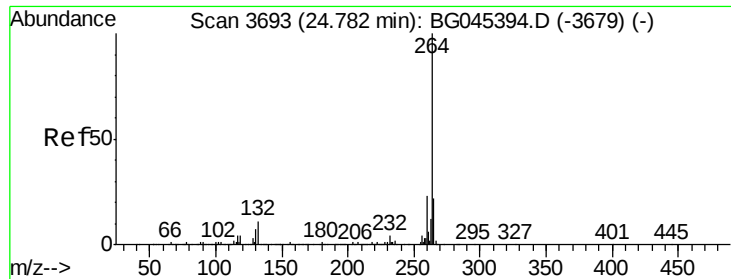
Tot Ion:240 Resp: 376871
Ion Ratio Lower Upper
240 100
120 7.2 6.1 9.1
236 26.4 22.3 33.5



#79
Terphenyl-d14
Concen: 15.112 ng
RT: 19.96 min Scan# 2871
Delta R.T. -0.00 min
Lab File: BG045616.D
Acq: 5 Jun 2020 14:36

Tgt Ion:244 Resp: 244188
Ion Ratio Lower Upper
244 100
212 8.3 7.4 11.0
122 7.5 6.8 10.2

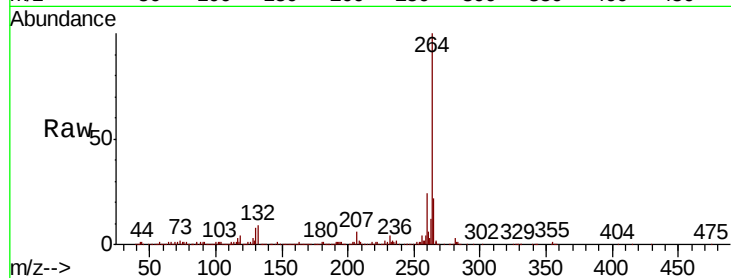




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.75 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: BG045616.D
 Acq: 5 Jun 2020 14:36

Instrument :
 BNA_G
 ClientSampleId :
 C0AP7DL

Tot Ion:	264	Resp:	398545
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	21.9	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

