

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051520\
 Data File : BG045411.D
 Acq On : 16 May 2020 00:38
 Operator : CG/JU
 Sample : L2663-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 16 01:20:23 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	84683	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	318215	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	196745	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	385858	20.00	ng	0.00
76) Chrysene-d12	21.70	240	536130	20.00	ng	0.08
87) Perylene-d12	24.98	264	481751	20.00	ng	0.20

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	493441	113.88	ng	0.01
7) Phenol-d6	7.15	99	625661	101.45	ng	0.02
23) Nitrobenzene-d5	9.13	82	535270	91.73	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	316768	125.89	ng	0.02
45) 2-Fluorobiphenyl	13.24	172	1114228	96.06	ng	0.00
79) Terphenyl-d14	20.01	244	1854228	80.66	ng	0.04

Target Compounds

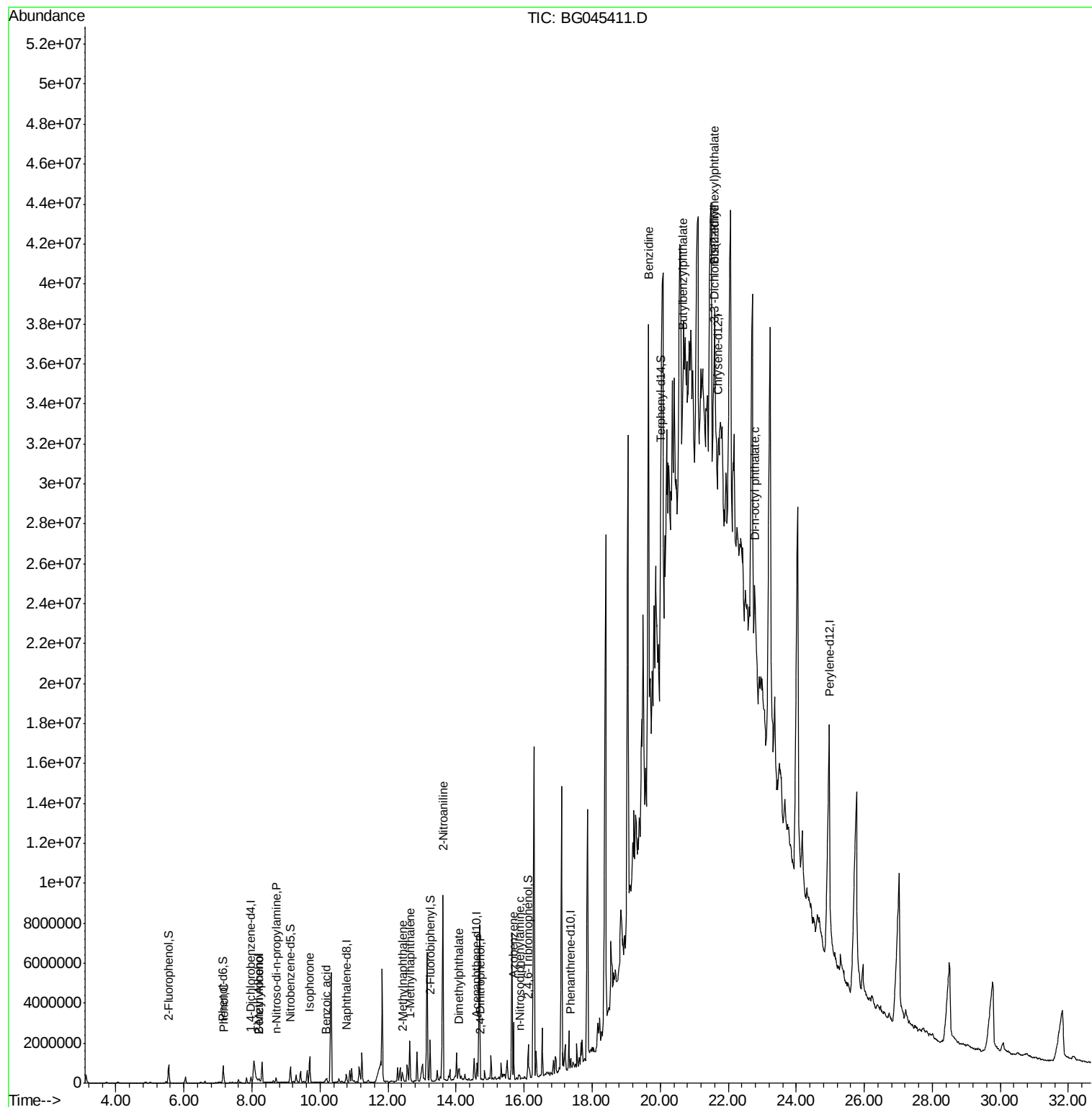
						Qvalue
10) Phenol	7.18	94	67058	10.550	ng	95
15) Benzyl Alcohol	8.21	79	48850	9.588	ng	94
17) 2-Methylphenol	8.21	107	24794	5.211	ng	# 2
19) n-Nitroso-di-n-propylamine	8.71	70	39069	9.161	ng	# 70
25) Isophorone	9.70	82	26098	2.271	ng	# 75
32) Benzoic acid	10.17	122	55528	26.307	ng	92
37) 2-Methylnaphthalene	12.44	142	66568	6.023	ng	97
38) 1-Methylnaphthalene	12.66	142	37193	3.562	ng	# 97
48) 2-Nitroaniline	13.62	65	28018	8.677	ng	# 10
50) Dimethylphthalate	14.07	163	166629	12.346	ng	99
54) 2,4-Dinitrophenol	14.73	184	67	5.490	ng	# 1
63) Azobenzene	15.69	77	57931	4.423	ng	# 62
66) n-Nitrosodiphenylamine	15.87	169	51673	5.578	ng	96
77) Benzidine	19.66	184	59210	3.932	ng	# 1
80) Butylbenzylphthalate	20.67	149	26880	2.038	ng	85
82) 3,3'-Dichlorobenzidine	21.58	252	45546	3.888	ng	# 1
84) Bis(2-ethylhexyl)phthalate	21.60	149	1036737	57.173	ng	# 80
85) Di-n-octyl phthalate	22.79	149	501681	16.108	ng	# 1

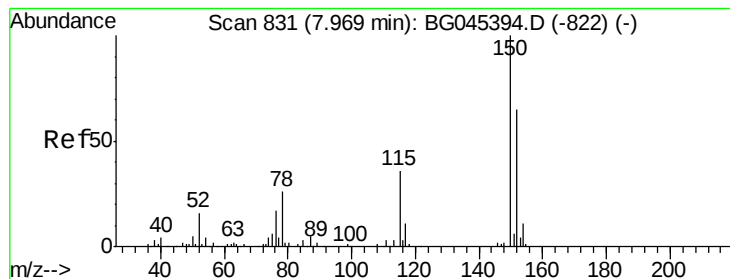
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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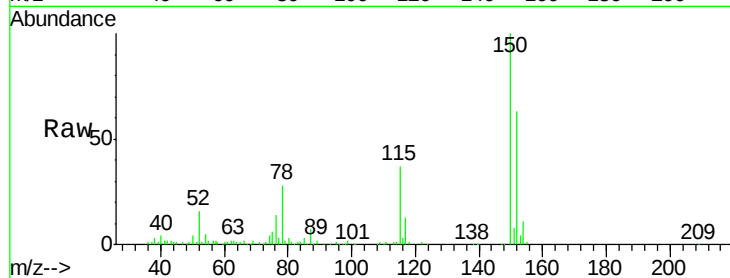


#1

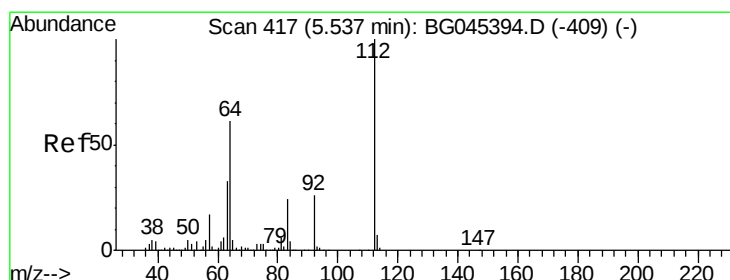
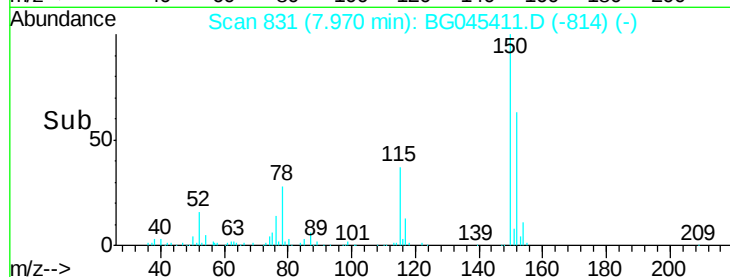
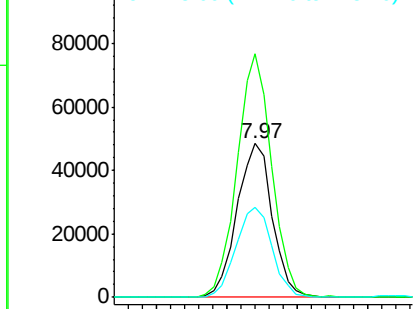
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 84683
Ion Ratio Lower Upper
152 100
150 158.7 122.4 183.6
115 58.7 44.2 66.4



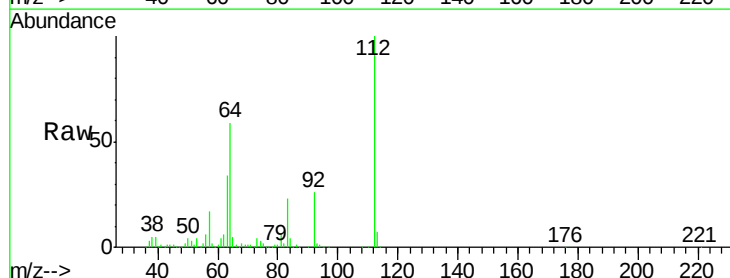
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



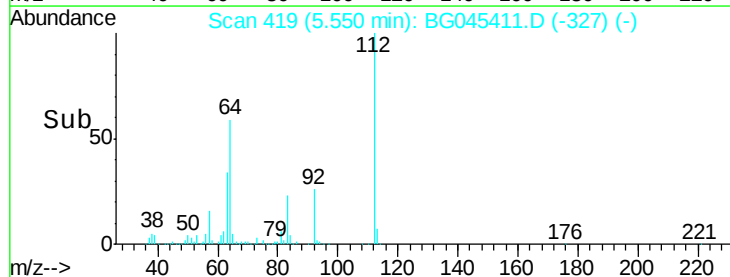
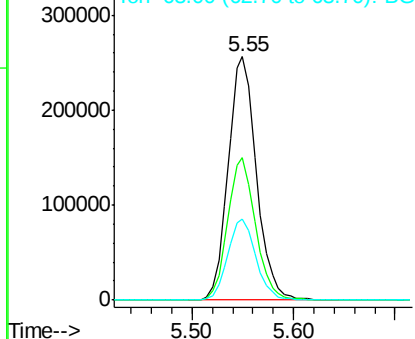
#5

2-Fluorophenol
Concen: 113.875 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.01 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Tgt Ion:112 Resp: 493441
Ion Ratio Lower Upper
112 100
64 58.7 48.6 72.8
63 33.5 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: 101.446 ng

RT: 7.15 min Scan# 692

Delta R.T. 0.02 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

Instrument :

BNA_G

ClientSampled :

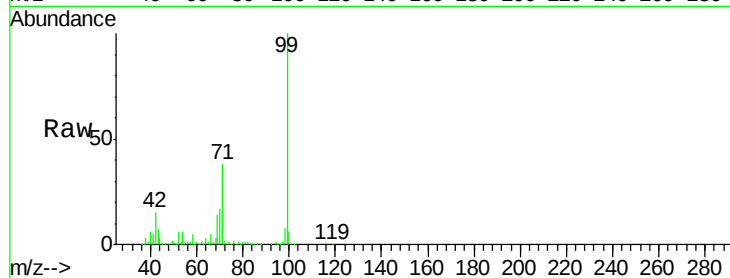
Tot Ion: 99 Resp: 625661

Ion Ratio Lower Upper

99 100

42 14.5 11.3 16.9

71 37.8 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

400000

300000

200000

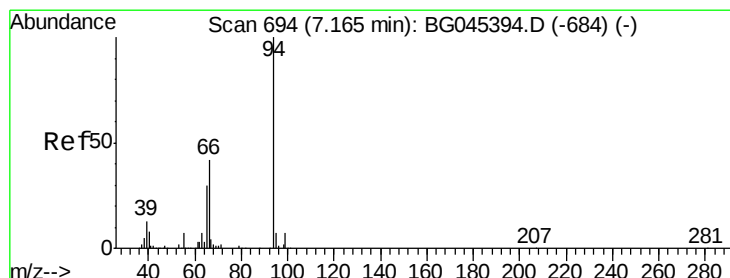
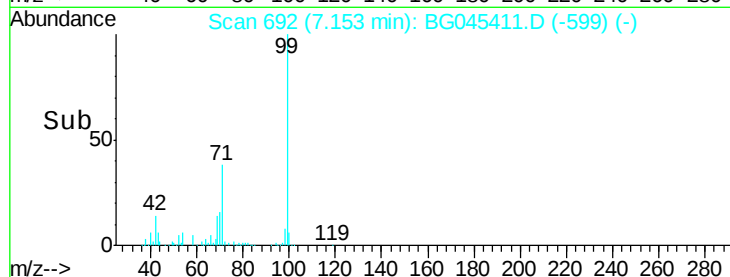
100000

0

7.10 7.20 7.30

7.15

Time-->



#10

Phenol

Concen: 10.550 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.02 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

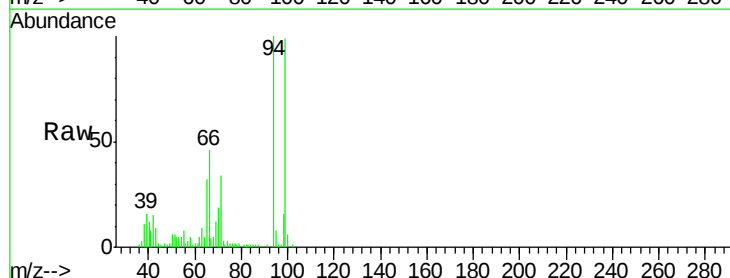
Tgt Ion: 94 Resp: 67058

Ion Ratio Lower Upper

94 100

65 31.6 9.8 49.8

66 45.7 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

40000

30000

20000

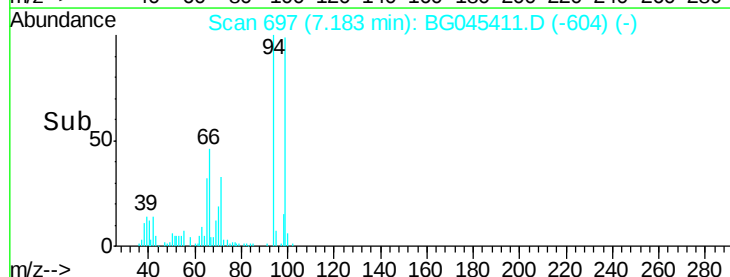
10000

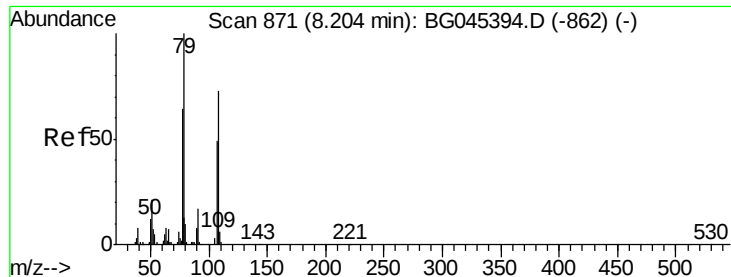
0

7.10 7.20 7.30

7.18

Time-->





#15

Benzyl Alcohol

Concen: 9.588 ng

RT: 8.21 min Scan# 872

Delta R.T. 0.01 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

Instrument :

BNA_G

ClientSampleId :

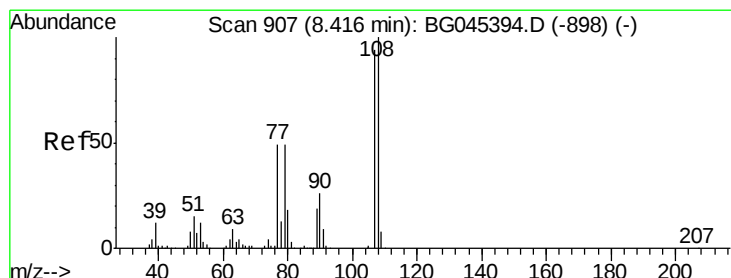
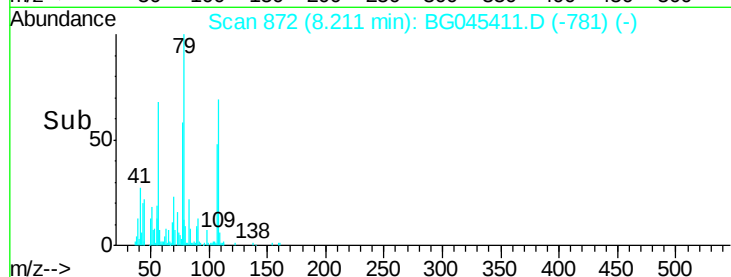
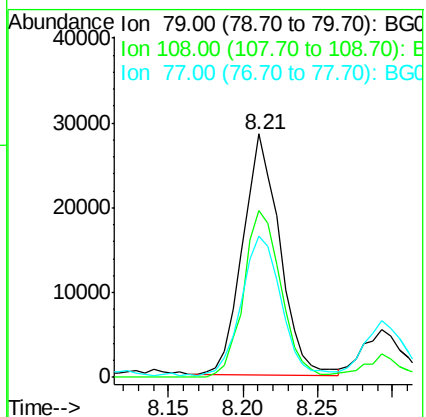
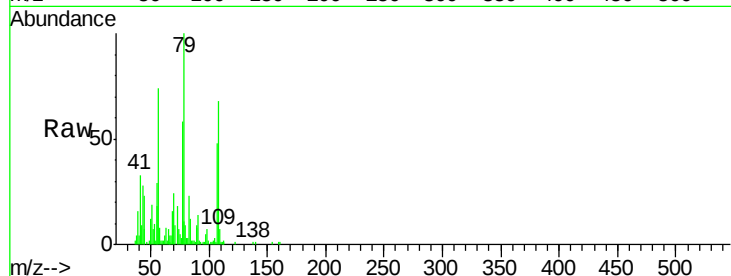
Tot Ion: 79 Resp: 48850

Ion Ratio Lower Upper

79 100

108 68.4 58.2 87.4

77 57.8 51.0 76.4



#17

2-Methylphenol

Concen: 5.211 ng

RT: 8.21 min Scan# 872

Delta R.T. -0.21 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

Tgt Ion: 107 Resp: 24794

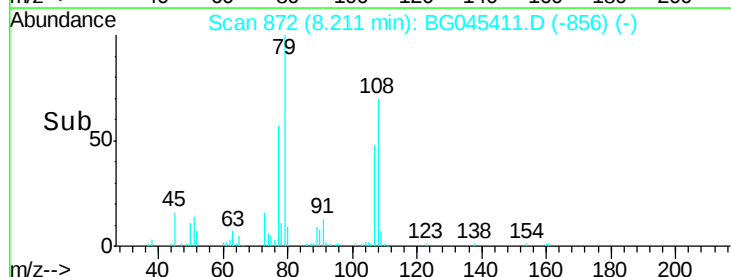
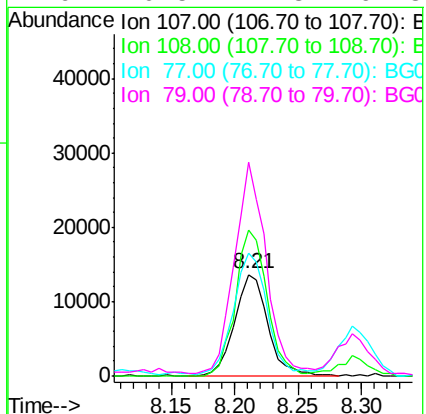
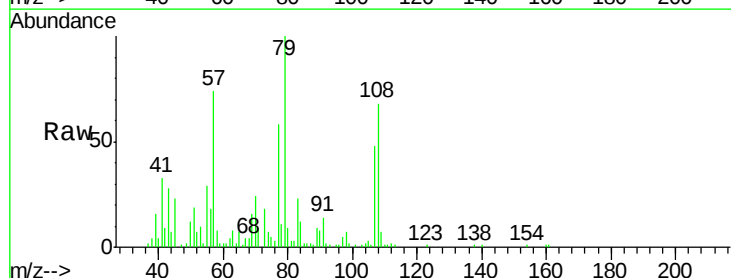
Ion Ratio Lower Upper

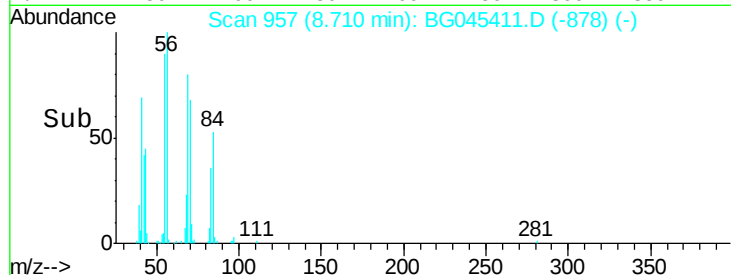
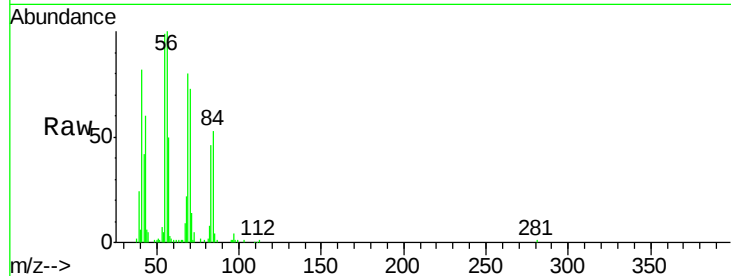
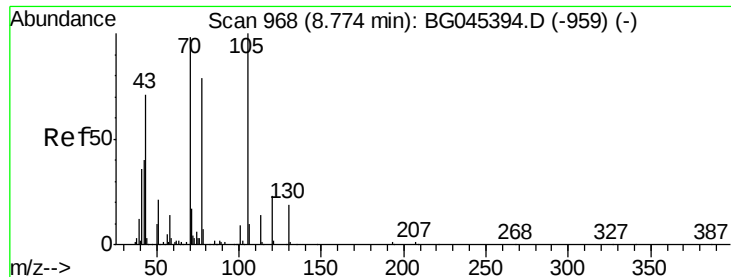
107 100

108 144.0 85.2 127.8#

77 121.6 41.6 62.4#

79 210.5 41.8 62.8#

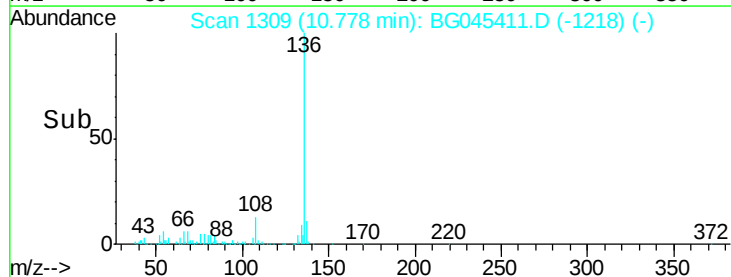
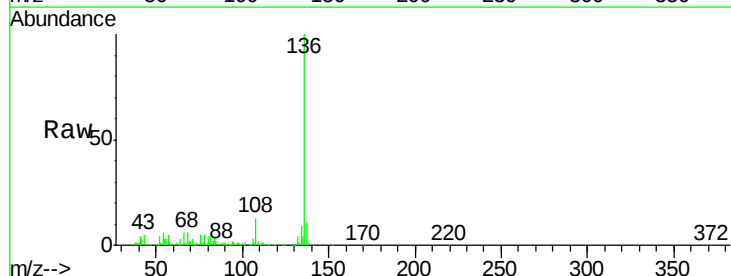
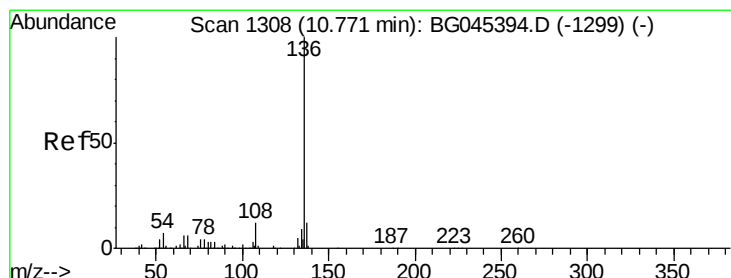
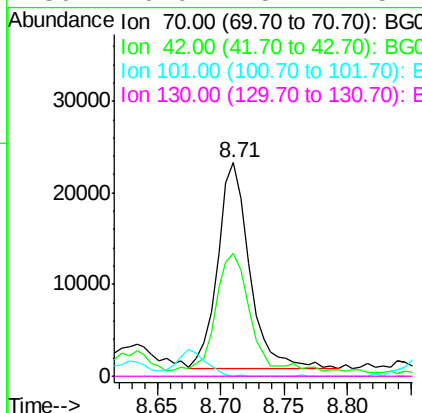




#19
n-Nitroso-di-n-propylamine
Concen: 9.161 ng
RT: 8.71 min Scan# 957
Delta R.T. -0.06 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

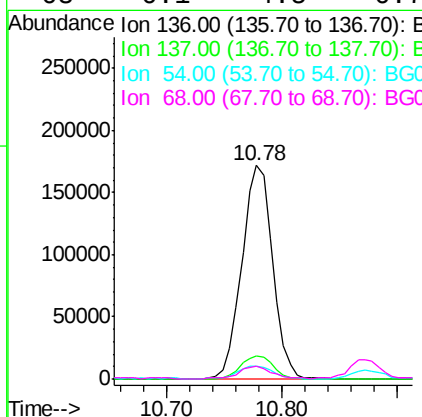
Instrument :
BNA_G
ClientSampleId :

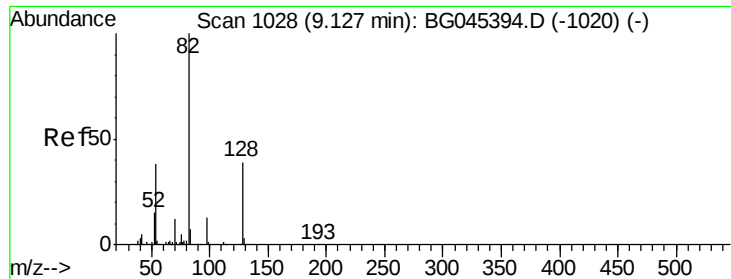
Tot Ion	70	Resp	39069
Ion	Ratio	Lower	Upper
70	100		
42	57.6	33.2	49.8#
101	0.0	7.8	11.6#
130	0.0	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Tgt Ion	136	Resp	318215
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.4	14.2
54	6.3	5.8	8.6
68	6.1	4.5	6.7

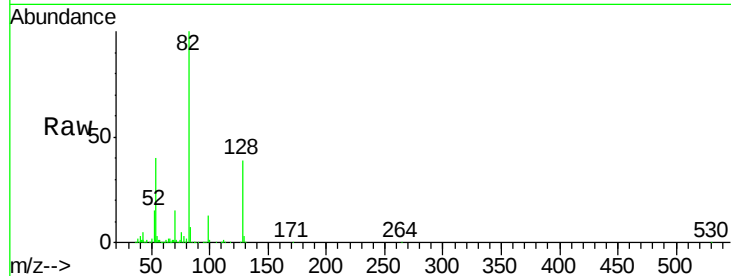




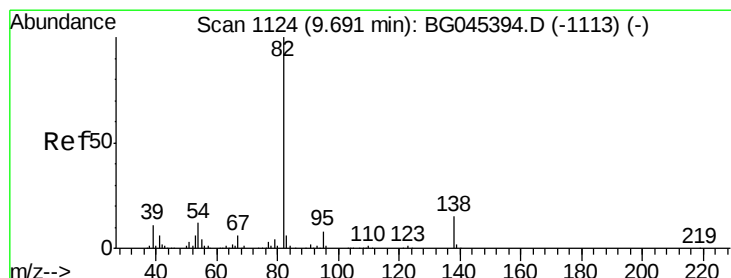
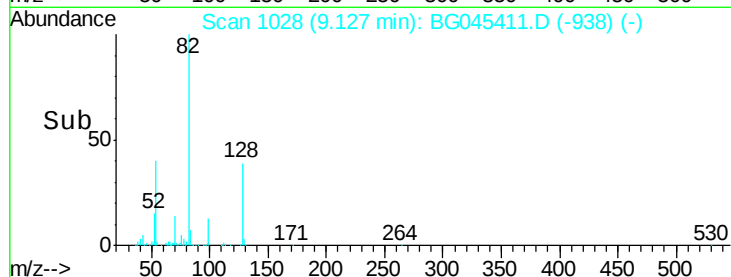
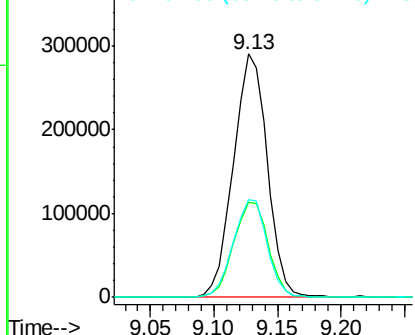
#23
Nitrobenzene-d5
Concen: 91.728 ng
RT: 9.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	535270
Ion Ratio	Lower	Upper	
82	100		
128	38.8	30.9	46.3
54	40.4	30.3	45.5

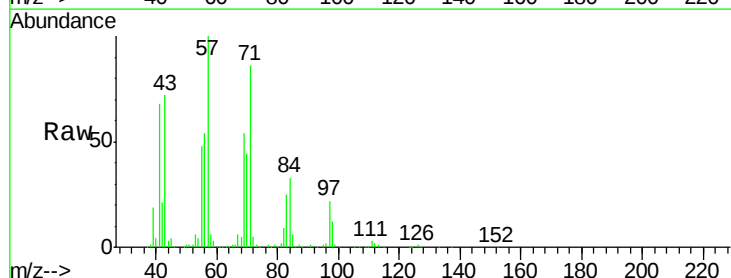


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

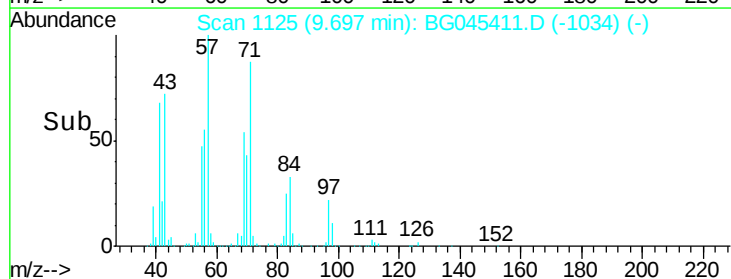
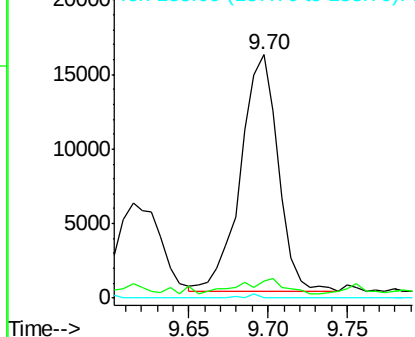


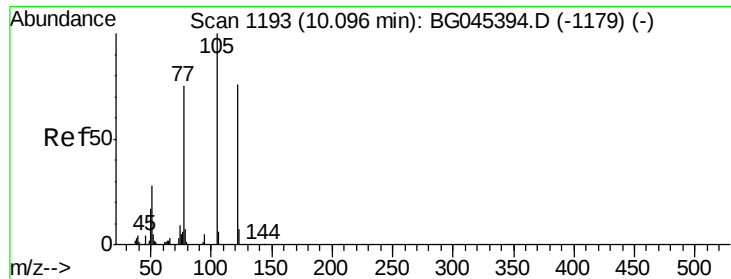
#25
Isophorone
Concen: 2.271 ng
RT: 9.70 min Scan# 1125
Delta R.T. 0.01 min
Lab File: BG045411.D
Acq: 16 May 2020 00:38

Tgt Ion	82	Resp	26098
Ion Ratio	Lower	Upper	
82	100		
95	7.2	6.7	10.1
138	0.0	12.2	18.4#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC





#32

Benzoic acid

Concen: 26.307 ng

RT: 10.17 min Scan# 1206

Delta R.T. 0.08 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

Instrument :

BNA_G

ClientSampleId :

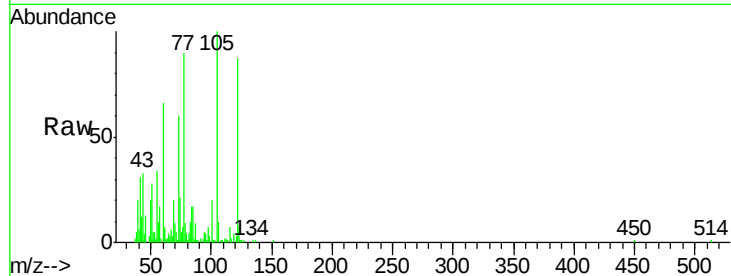
Tot Ion:122 Resp: 55528

Ion Ratio Lower Upper

122 100

105 114.6 107.9 147.9

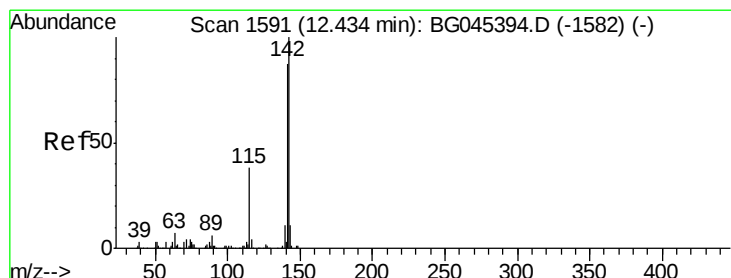
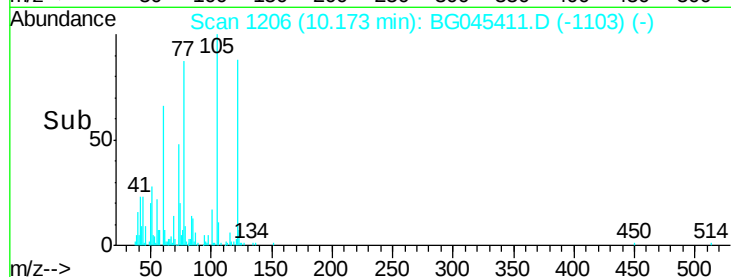
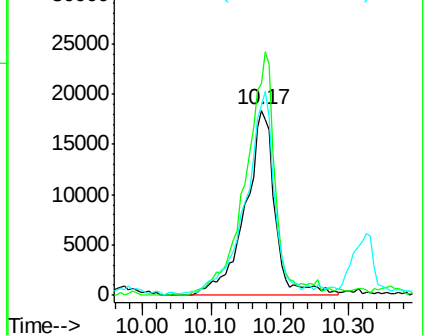
77 102.6 78.9 118.9



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): B



#37

2-Methylnaphthalene

Concen: 6.023 ng

RT: 12.44 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

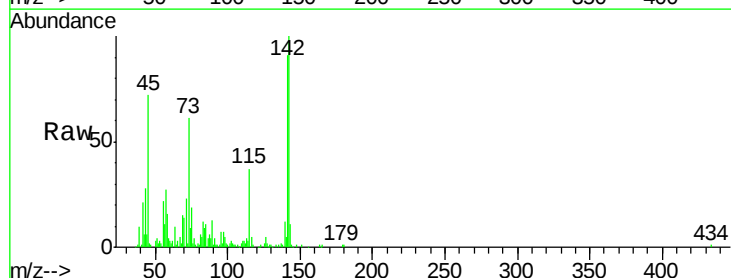
Tgt Ion:142 Resp: 66568

Ion Ratio Lower Upper

142 100

141 90.8 70.0 105.0

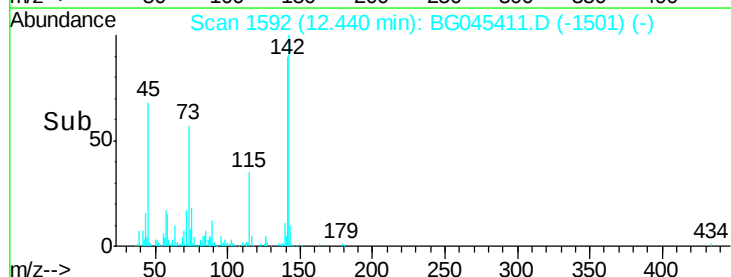
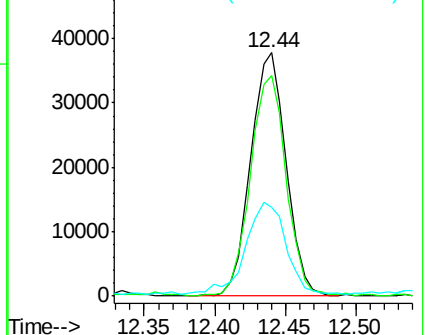
115 36.6 30.8 46.2

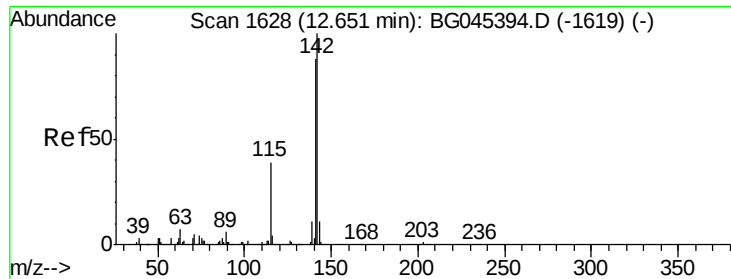


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

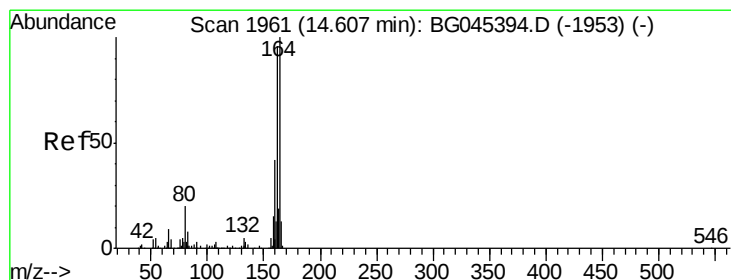
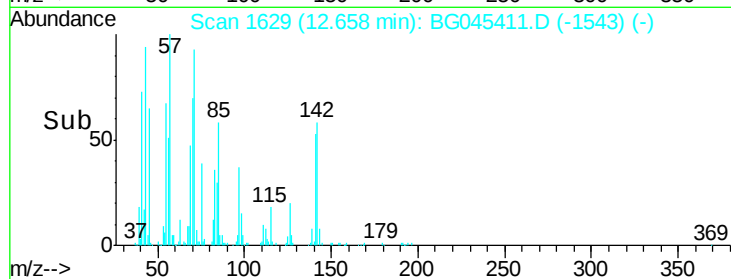
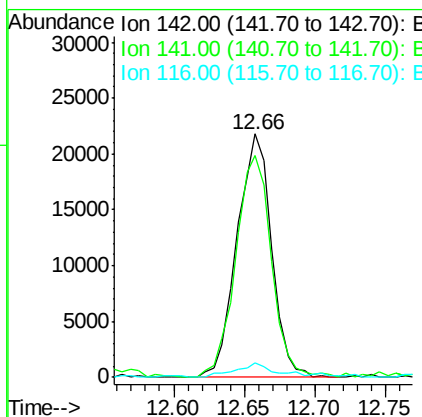
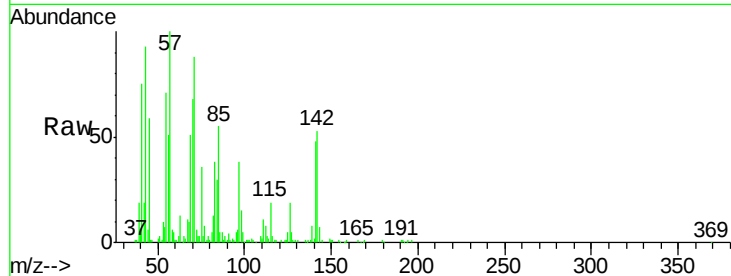




#38
 1-Methylnaphthalene
 Concen: 3.562 ng
 RT: 12.66 min Scan# 1629
 Delta R.T. 0.01 min
 Lab File: BG045411.D
 Acq: 16 May 2020 00:38

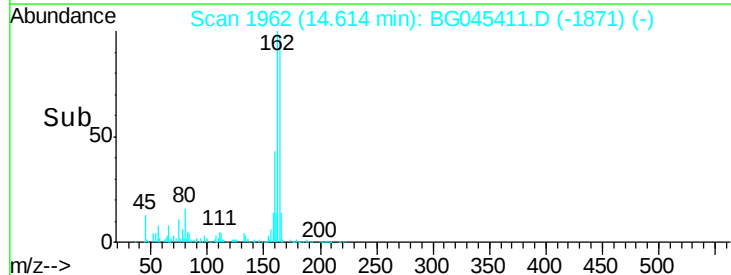
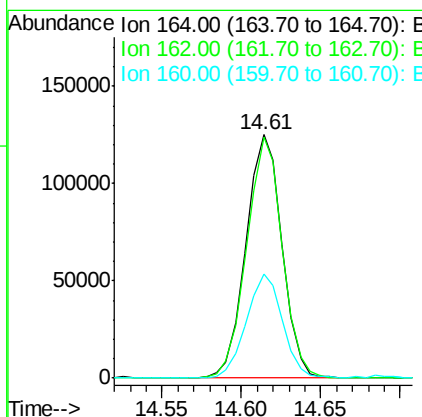
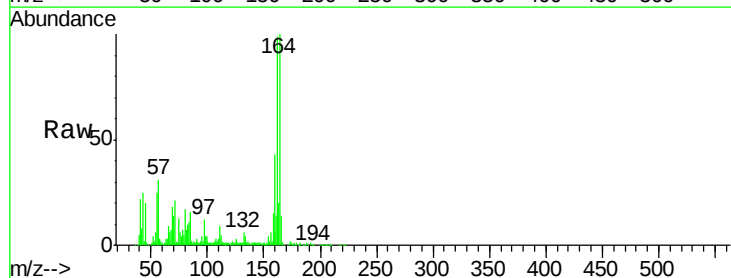
Instrument :
 BNA_G
 ClientSampled :

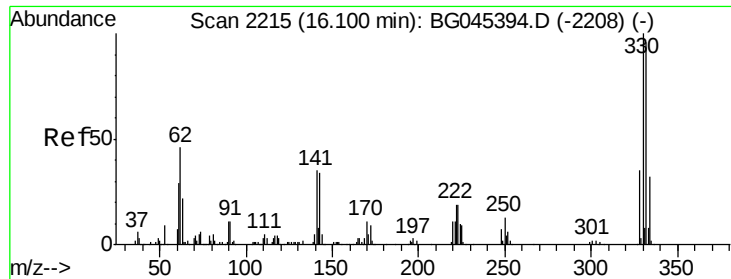
Tot Ion:142 Resp: 37193
 Ion Ratio Lower Upper
 142 100
 141 91.0 70.8 106.2
 116 5.9 3.0 4.6#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.61 min Scan# 1962
 Delta R.T. 0.01 min
 Lab File: BG045411.D
 Acq: 16 May 2020 00:38

Tgt Ion:164 Resp: 196745
 Ion Ratio Lower Upper
 164 100
 162 99.0 76.9 115.3
 160 42.7 33.8 50.8





#42

2,4,6-Tribromophenol

Concen: 125.894 ng

RT: 16.12 min Scan# 2219

Delta R.T. 0.02 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

Instrument :

BNA_G

ClientSampleId :

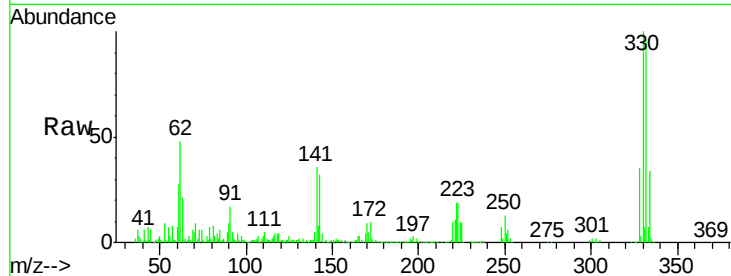
Tot Ion:330 Resp: 316768

Ion Ratio Lower Upper

330 100

332 96.3 78.2 117.4

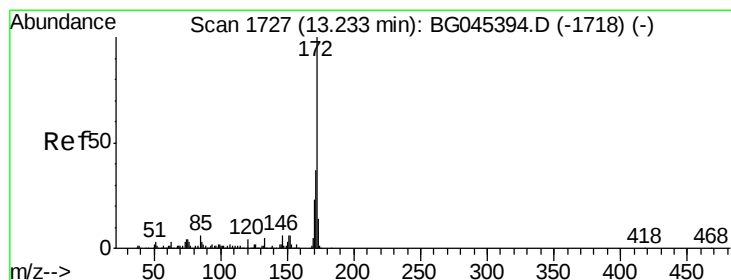
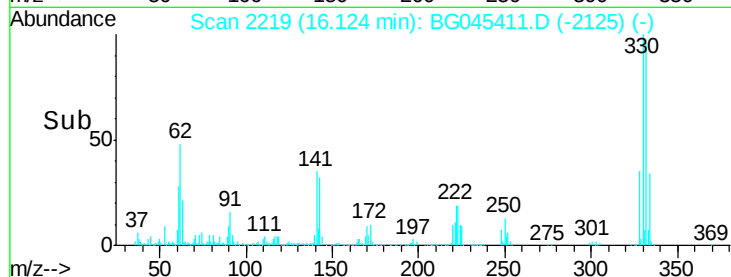
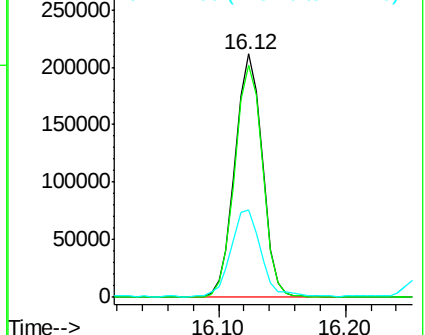
141 39.1 28.2 42.4



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: 96.061 ng

RT: 13.24 min Scan# 1728

Delta R.T. 0.01 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

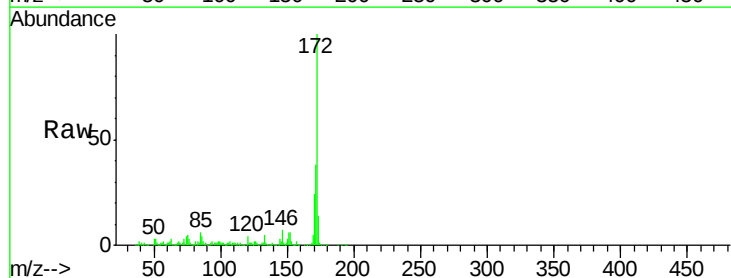
Tgt Ion:172 Resp: 1114228

Ion Ratio Lower Upper

172 100

171 37.6 29.5 44.3

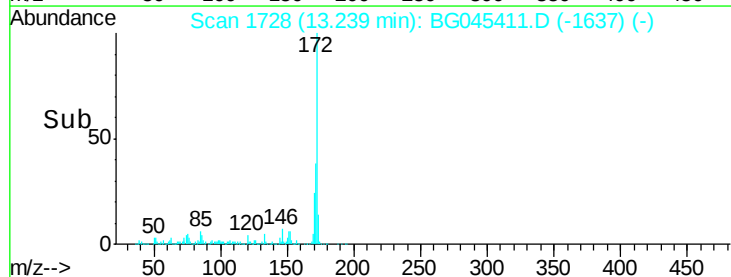
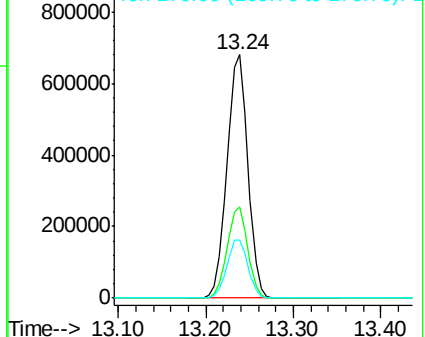
170 24.1 18.5 27.7

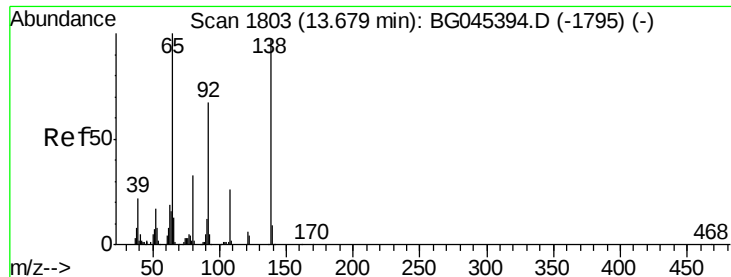


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.677 ng

RT: 13.62 min Scan# 1792

Delta R.T. -0.06 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

Instrument :

BNA_G

ClientSampleId :

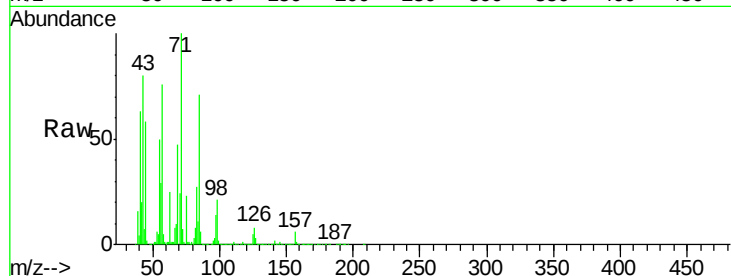
Tot Ion: 65 Resp: 28018

Ion Ratio Lower Upper

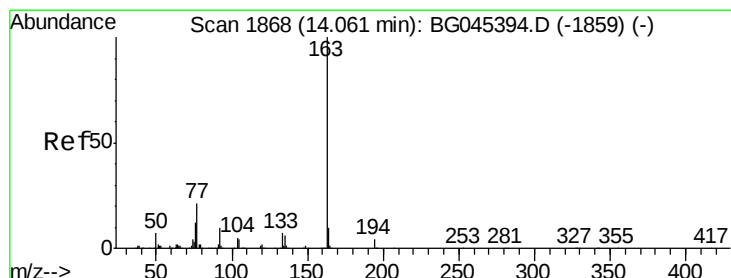
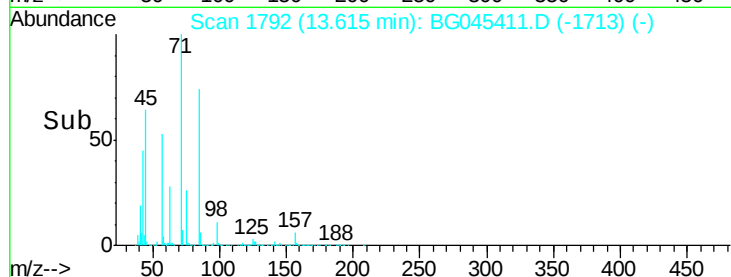
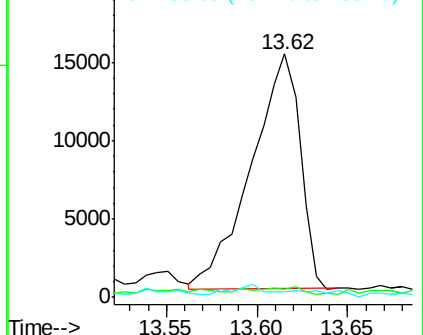
65 100

92 3.1 53.8 80.8#

138 2.3 77.9 116.9#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

Dimethylphthalate

Concen: 12.346 ng

RT: 14.07 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

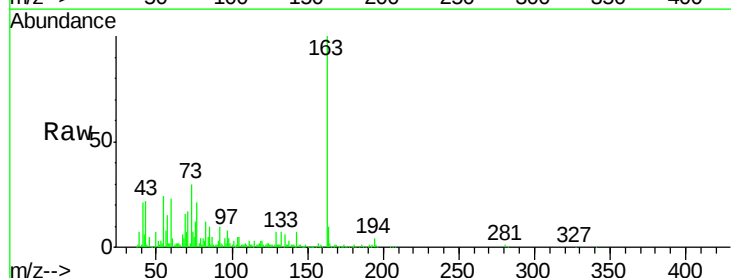
Tgt Ion: 163 Resp: 166629

Ion Ratio Lower Upper

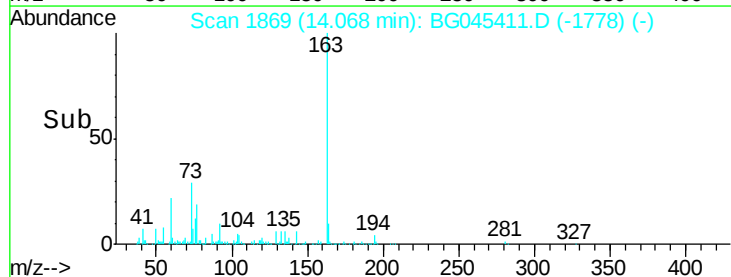
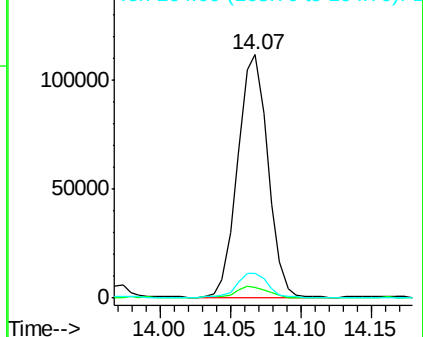
163 100

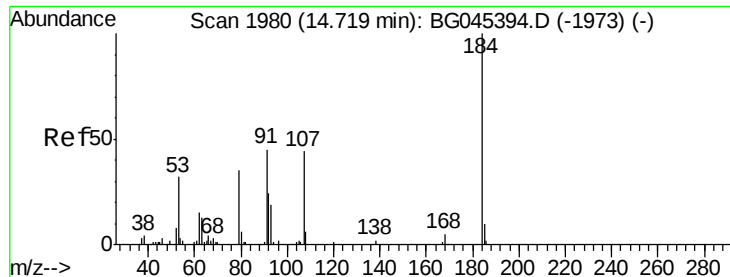
194 4.3 3.2 4.8

164 10.1 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

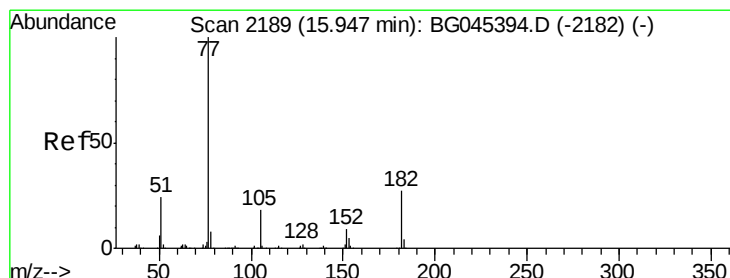
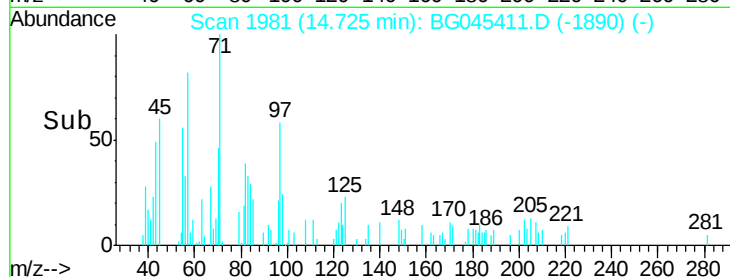
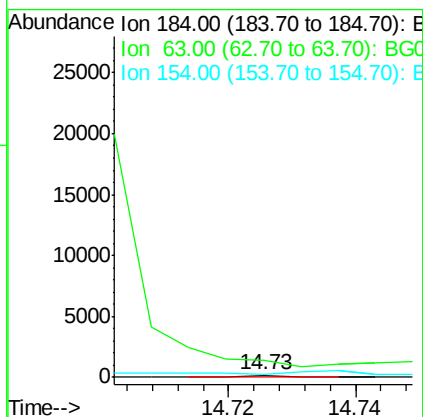
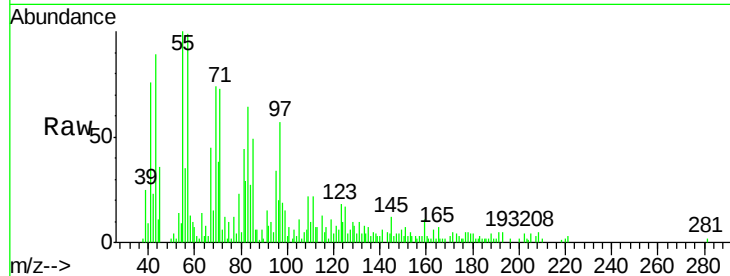




#54
 2,4-Dinitrophenol
 Concen: 5.490 ng
 RT: 14.73 min Scan# 1981
 Delta R.T. 0.01 min
 Lab File: BG045411.D
 Acq: 16 May 2020 00:38

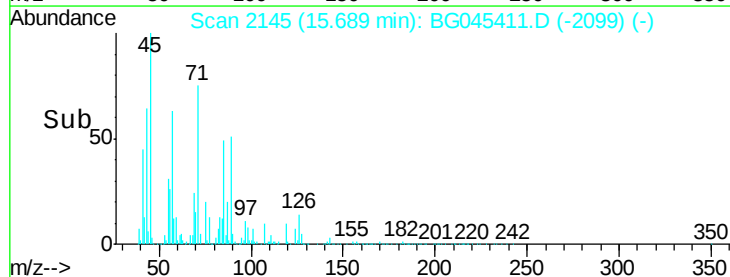
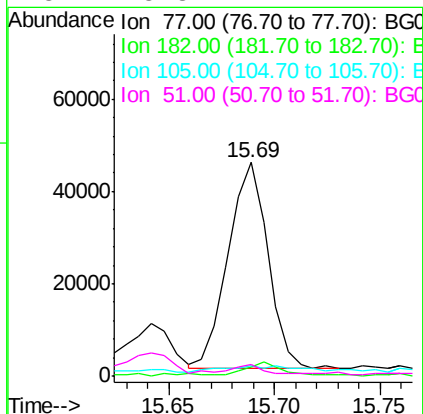
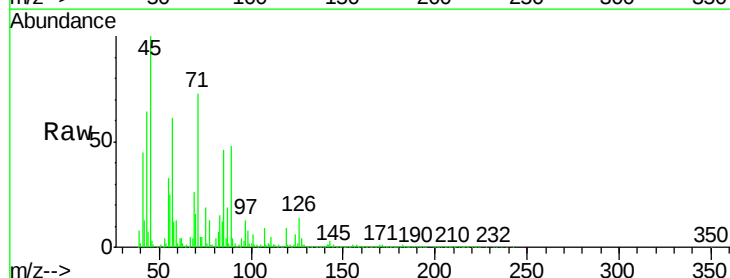
Instrument :
 BNA_G
 ClientSampled :

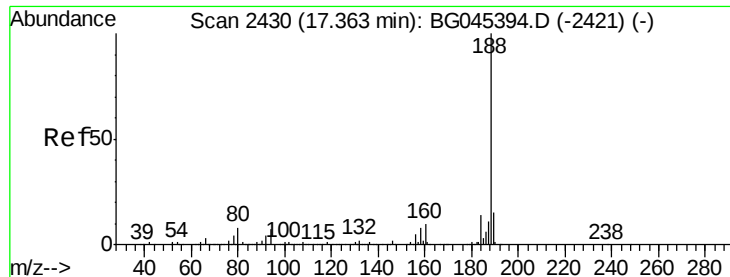
Tot Ion:184 Resp: 67
 Ion Ratio Lower Upper
 184 100
 63 764.2 47.8 71.6#
 154 139.5 58.3 87.5#



#63
 Azobenzene
 Concen: 4.423 ng
 RT: 15.69 min Scan# 2145
 Delta R.T. -0.26 min
 Lab File: BG045411.D
 Acq: 16 May 2020 00:38

Tgt Ion: 77 Resp: 57931
 Ion Ratio Lower Upper
 77 100
 182 4.4 6.5 46.5#
 105 4.8 0.0 37.9
 51 5.3 4.1 44.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

Instrument :

BNA_G

ClientSampleId :

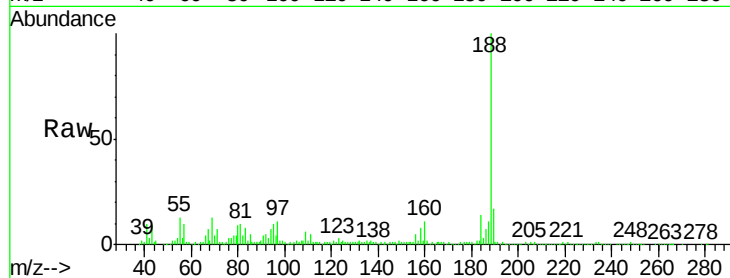
Tot Ion:188 Resp: 385858

Ion Ratio Lower Upper

188 100

94 7.3 5.5 8.3

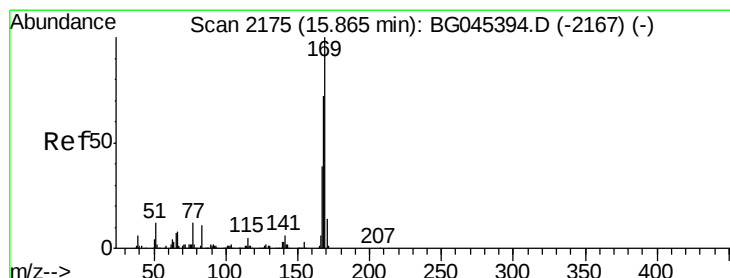
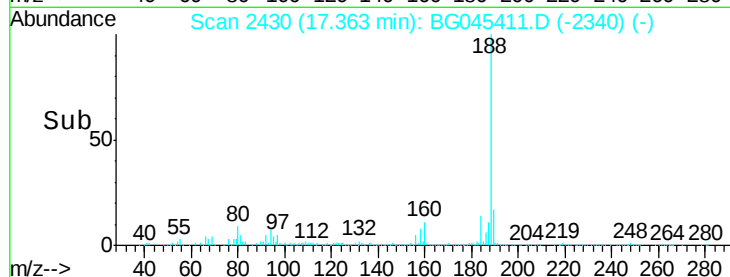
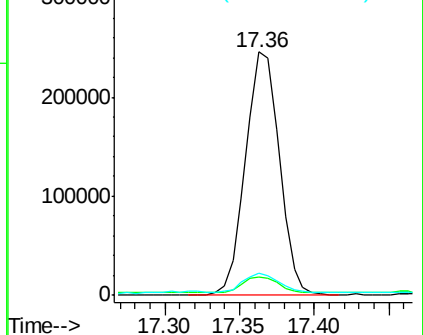
80 9.3 6.6 10.0



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



#66

n-Nitrosodiphenylamine

Concen: 5.578 ng

RT: 15.87 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

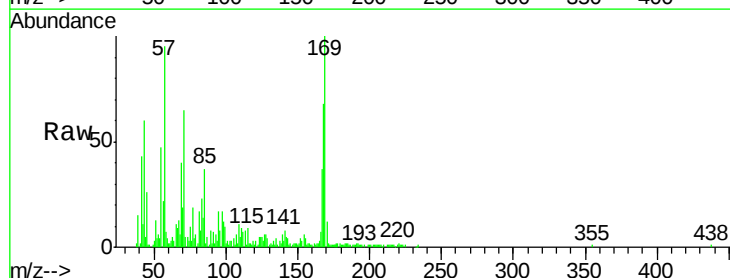
Tgt Ion:169 Resp: 51673

Ion Ratio Lower Upper

169 100

168 68.3 57.8 86.6

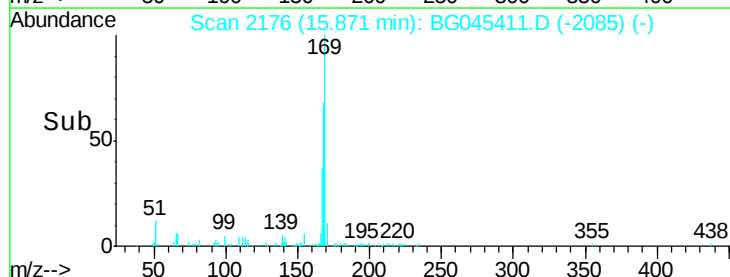
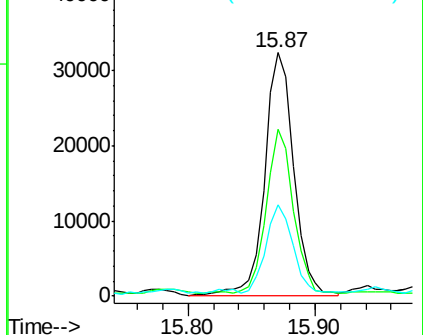
167 37.3 31.5 47.3

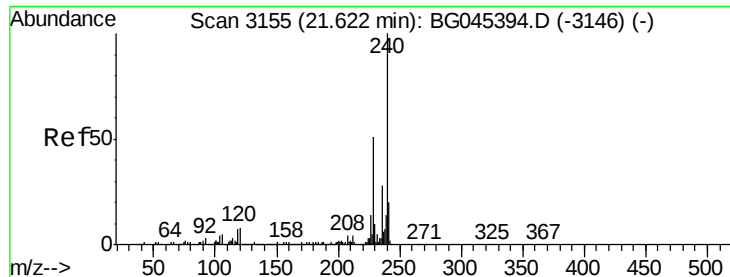


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3169

Delta R.T. 0.08 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

Instrument :

BNA_G

ClientSampleId :

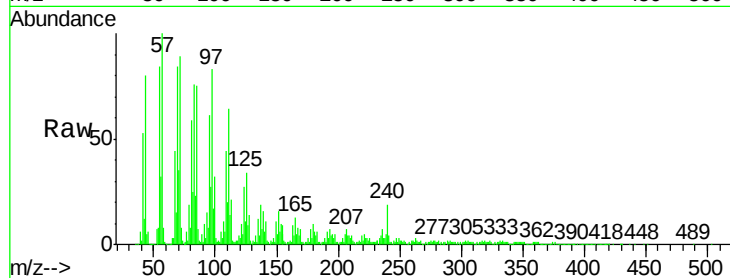
Tot Ion:240 Resp: 536130

Ion Ratio Lower Upper

240 100

120 15.7 6.1 9.1#

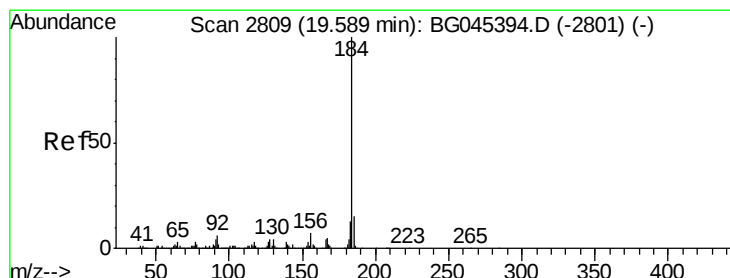
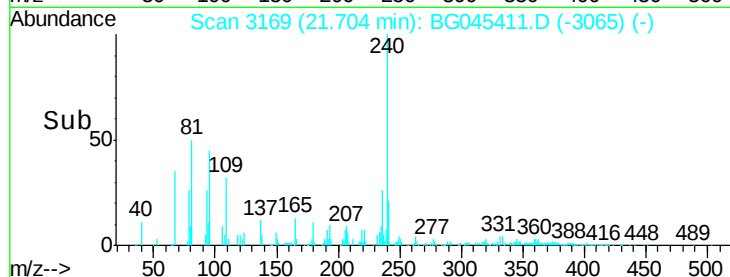
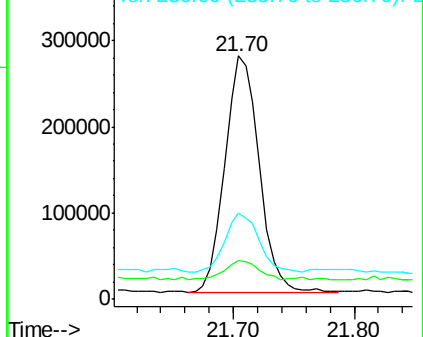
236 35.2 22.3 33.5#



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: 3.932 ng

RT: 19.66 min Scan# 2821

Delta R.T. 0.07 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

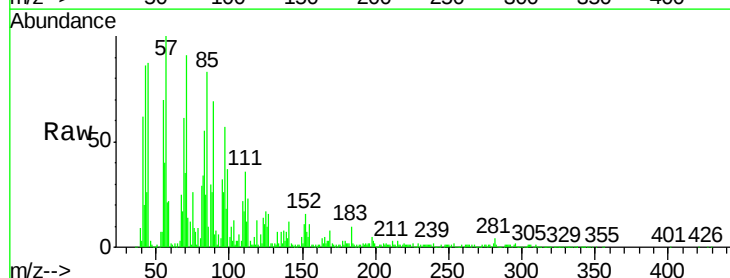
Tgt Ion:184 Resp: 59210

Ion Ratio Lower Upper

184 100

185 56.8 11.7 17.5#

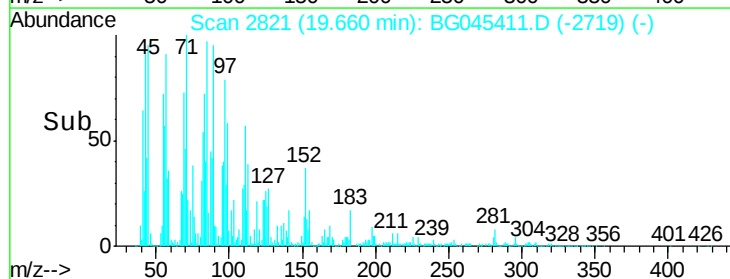
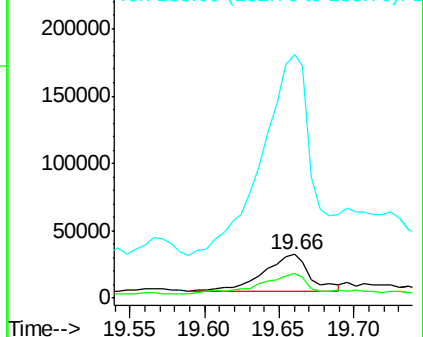
183 557.2 10.2 15.4#

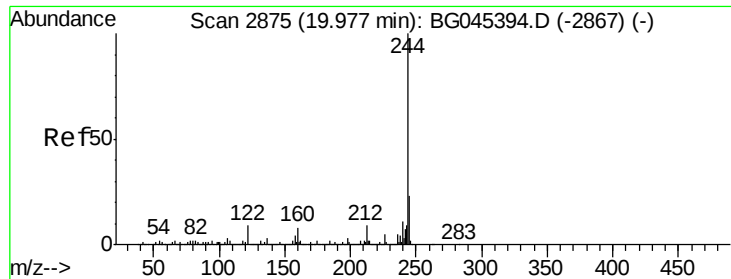


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 80.664 ng

RT: 20.01 min Scan# 2881

Delta R.T. 0.04 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

Instrument :

BNA_G

ClientSampleId :

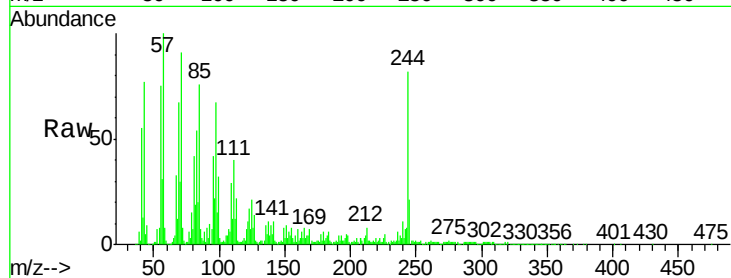
Tot Ion:244 Resp: 1854228

Ion Ratio Lower Upper

244 100

212 9.9 7.4 11.0

122 13.2 6.8 10.2#

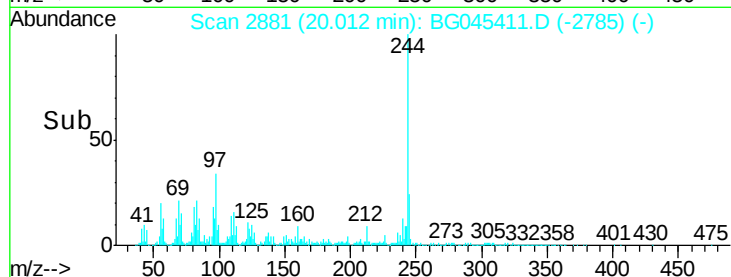


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



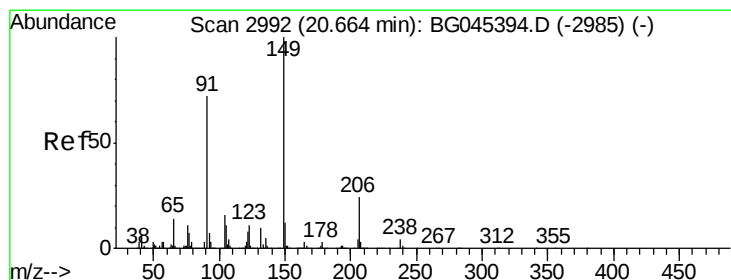
Abundance

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

Time-->



#80

Butylbenzylphthalate

Concen: 2.038 ng

RT: 20.67 min Scan# 2993

Delta R.T. 0.01 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

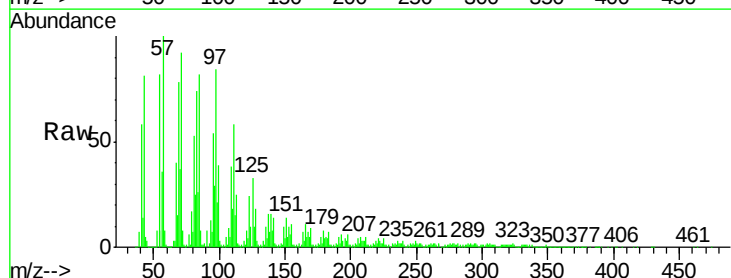
Tgt Ion:149 Resp: 26880

Ion Ratio Lower Upper

149 100

91 86.6 57.8 86.6

206 19.2 19.1 28.7

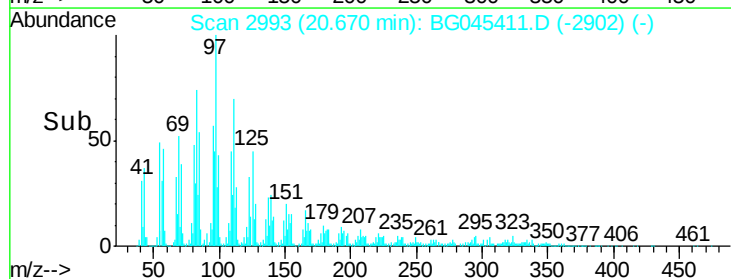


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

Time-->



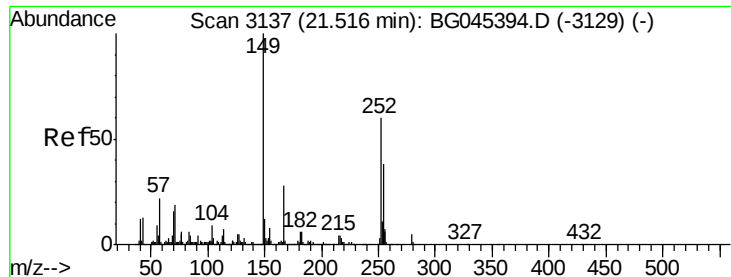
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

Time-->



#82

3,3'-Dichlorobenzidine

Concen: 3.888 ng

RT: 21.58 min Scan# 3148

Delta R.T. 0.07 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

Instrument :

BNA_G

ClientSampled :

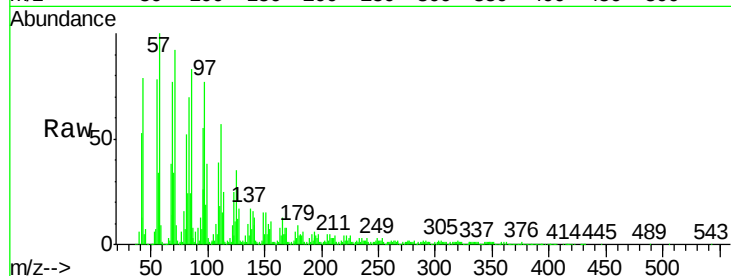
Tot Ion:252 Resp: 45546

Ion Ratio Lower Upper

252 100

254 24.0 51.3 76.9#

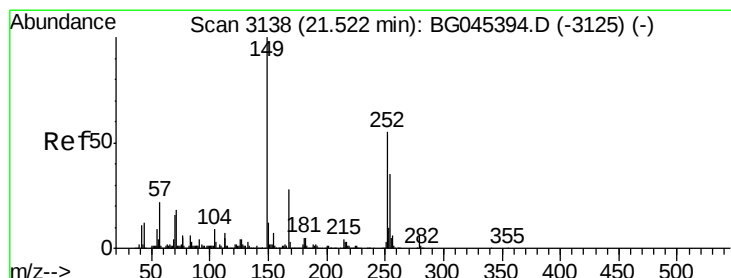
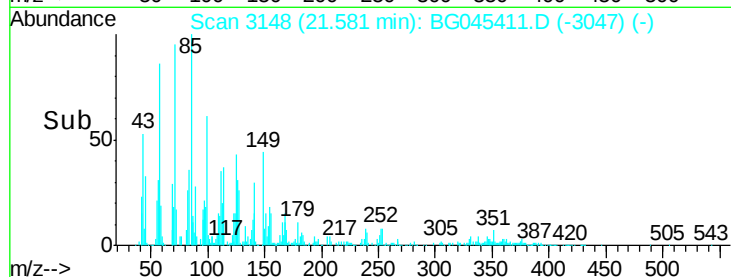
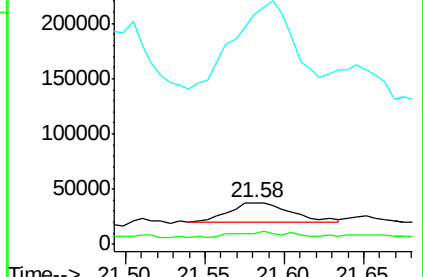
126 551.6 6.6 10.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 57.173 ng

RT: 21.60 min Scan# 3152

Delta R.T. 0.08 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

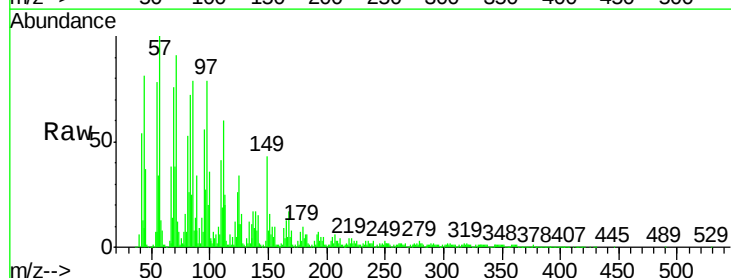
Tgt Ion:149 Resp: 1036737

Ion Ratio Lower Upper

149 100

167 40.0 22.2 33.2#

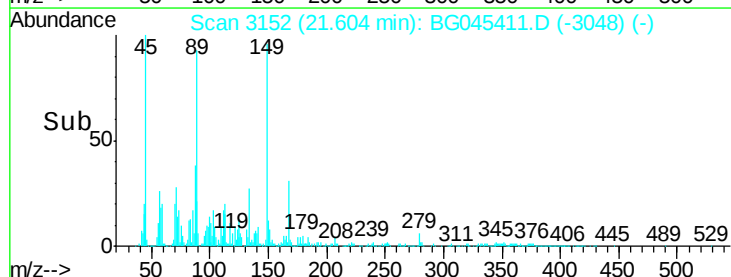
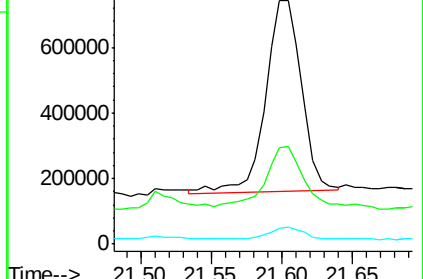
279 7.2 4.7 7.1#

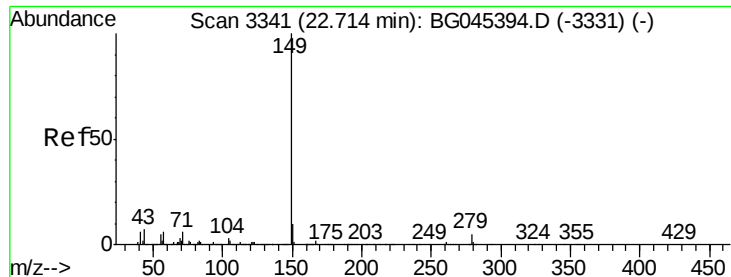


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 16.108 ng

RT: 22.79 min Scan# 3353

Delta R.T. 0.07 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

Instrument :

BNA_G

ClientSampleId :

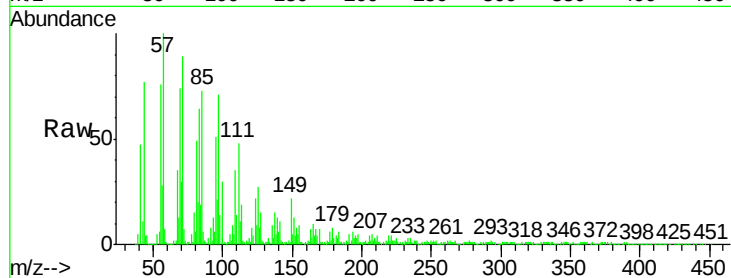
Tot Ion:149 Resp: 501681

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

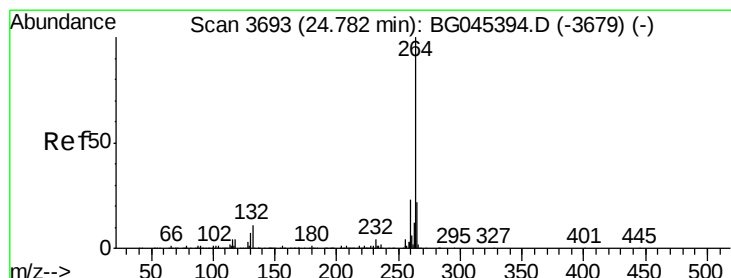
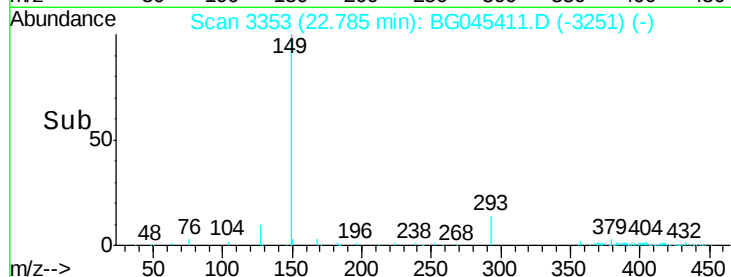
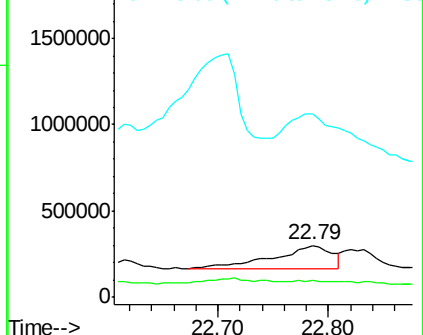
43 228.5 5.8 8.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.98 min Scan# 3727

Delta R.T. 0.20 min

Lab File: BG045411.D

Acq: 16 May 2020 00:38

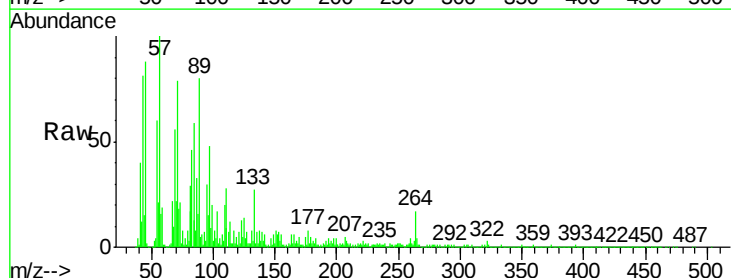
Tgt Ion:264 Resp: 481751

Ion Ratio Lower Upper

264 100

260 25.8 18.2 27.4

265 24.0 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

