

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061220\
 Data File : BG045753.D
 Acq On : 12 Jun 2020 23:25
 Operator : CG/JU
 Sample : L2971-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 30698

Quant Time: Jun 13 00:42:31 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	7.96	152	62579	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	243476	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	157054	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	304622	20.00	ng	0.00
76) Chrysene-d12	21.61	240	290855	20.00	ng	0.00
87) Perylene-d12	24.77	264	310257	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.81	112	421448	131.62	ng	0.28
7) Phenol-d6	7.21	99	569146	124.88	ng	0.06
23) Nitrobenzene-d5	9.12	82	480496	107.62	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	285322	142.05	ng	0.01
45) 2-Fluorobiphenyl	13.23	172	1034663	111.75	ng	0.01
79) Terphenyl-d14	19.96	244	1424814	114.25	ng	0.00

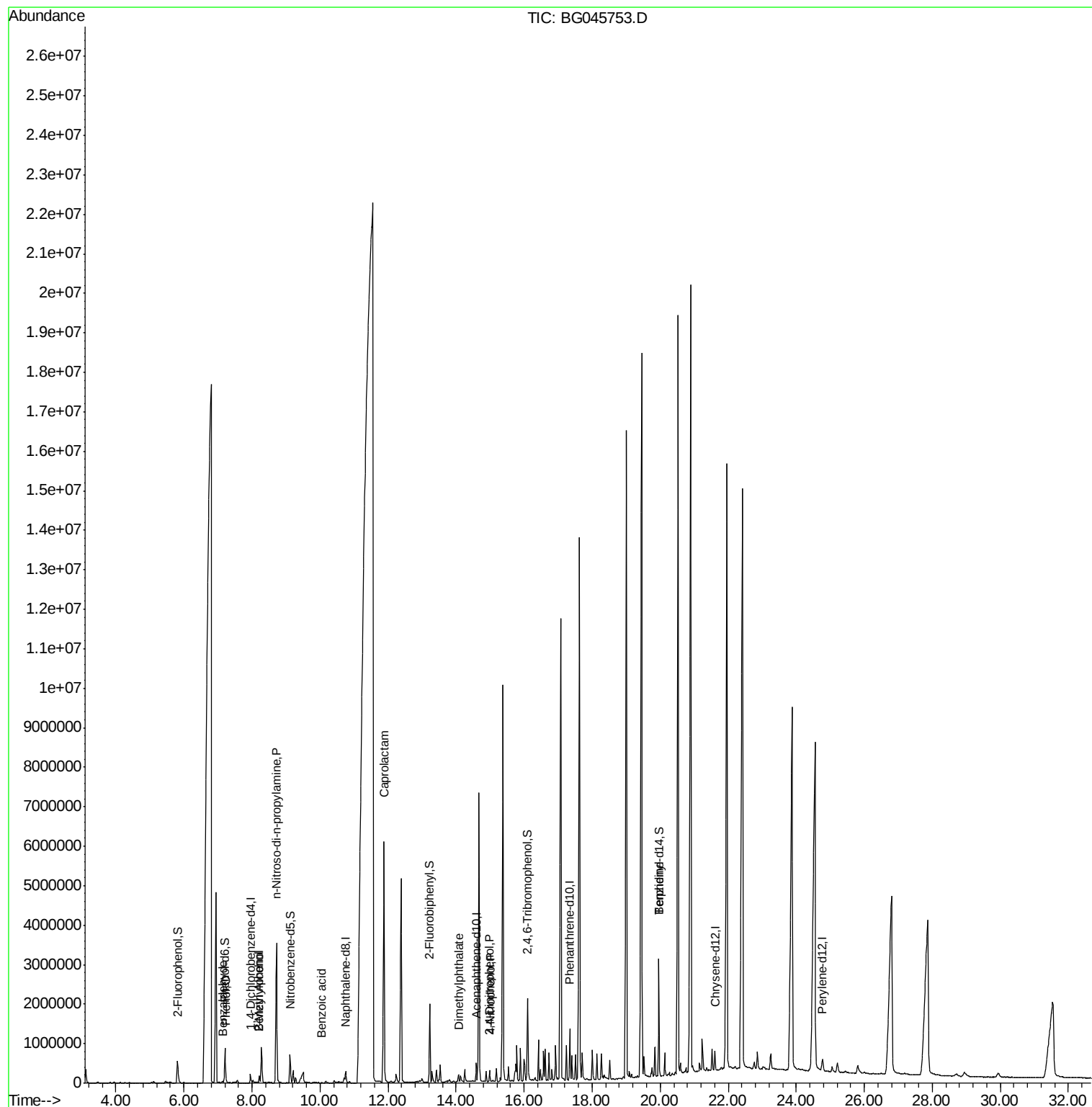
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.13	77	19023	6.406	ng	# 85
10) Phenol	7.23	94	38235	8.140	ng	# 84
15) Benzyl Alcohol	8.22	79	72185	19.173	ng	# 95
17) 2-Methylphenol	8.22	107	33959	9.659	ng	# 1
19) n-Nitroso-di-n-propylamine	8.72	70	634169	201.220	ng	# 67
32) Benzoic acid	10.03	122	111	10.065	ng	# 32
35) Caprolactam	11.88	113	17828	13.552	ng	# 1
50) Dimethylphthalate	14.07	163	109139	10.130	ng	# 97
54) 2,4-Dinitrophenol	14.96	184	63	5.496	ng	# 18
56) 4-Nitrophenol	15.01	139	3946	2.109	ng	# 62
77) Benizidine	19.96	184	28746	3.519	ng	# 93

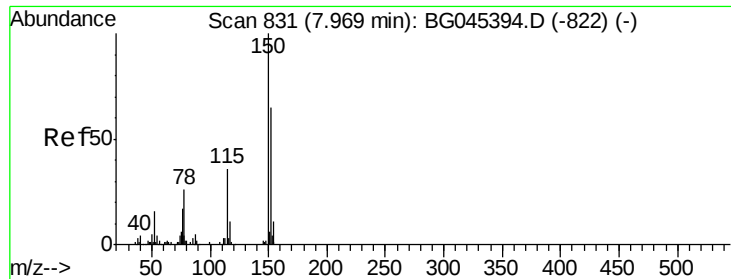
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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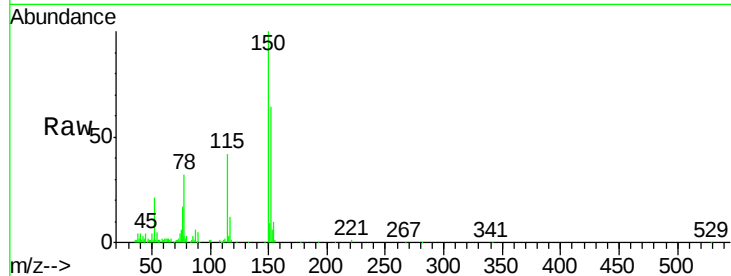


#1

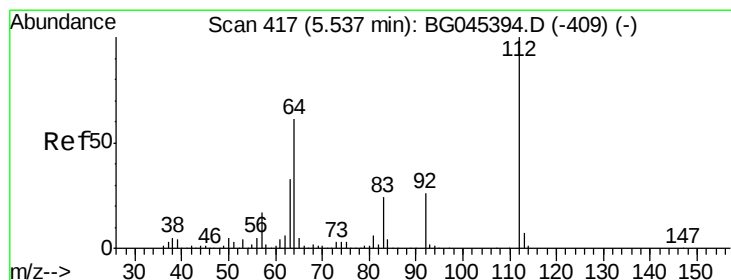
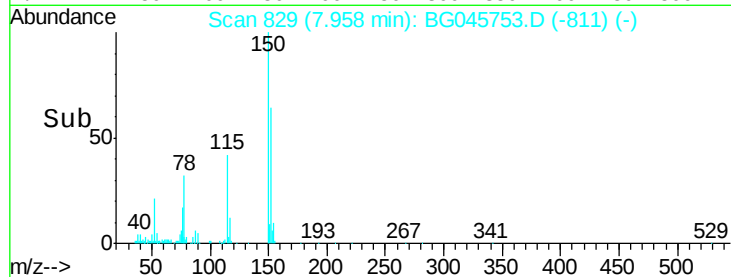
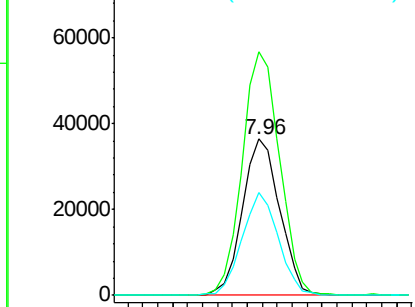
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. 0.01 min
Lab File: BG045753.D
Acq: 12 Jun 2020 23:25

Instrument :
BNA_G
ClientSampleId :
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Tot Ion:152 Resp: 62579
Ion Ratio Lower Upper
152 100
150 155.6 122.4 183.6
115 66.1 44.2 66.4



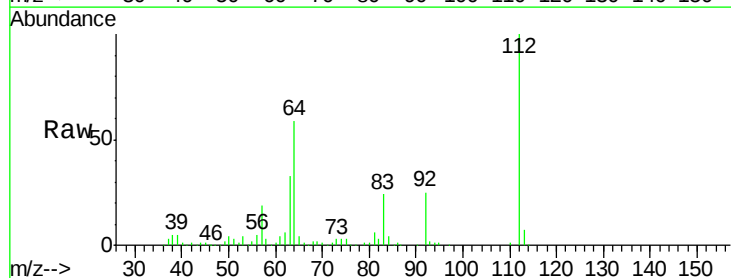
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



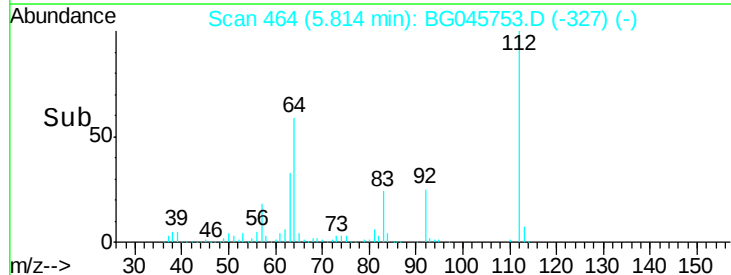
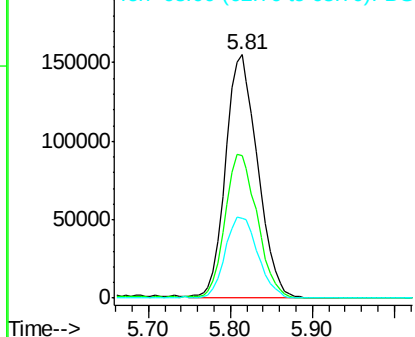
#5

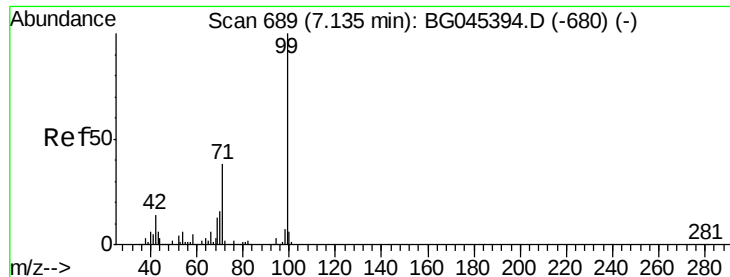
2-Fluorophenol
Concen: 131.615 ng
RT: 5.81 min Scan# 464
Delta R.T. 0.28 min
Lab File: BG045753.D
Acq: 12 Jun 2020 23:25

Tgt Ion:112 Resp: 421448
Ion Ratio Lower Upper
112 100
64 58.6 48.6 72.8
63 32.8 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: 124.879 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.06 min

Lab File: BG045753.D

Acq: 12 Jun 2020 23:25

Instrument :

BNA_G

ClientSampleId :

30698

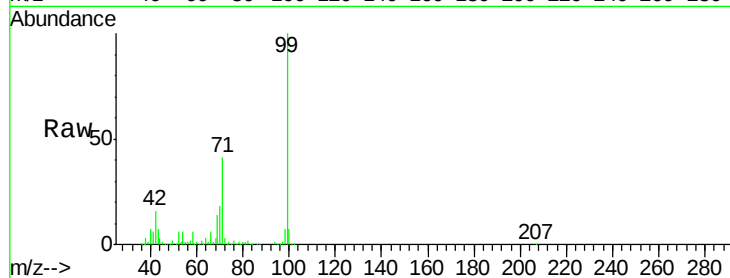
Tot Ion: 99 Resp: 569146

Ion Ratio Lower Upper

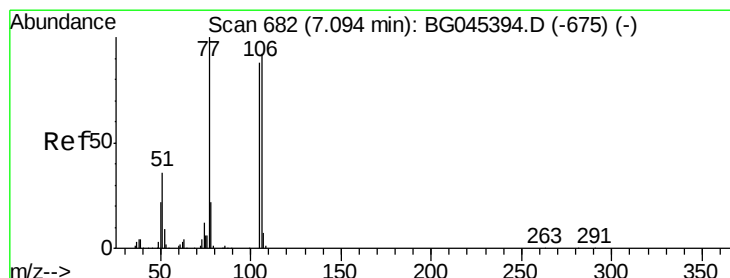
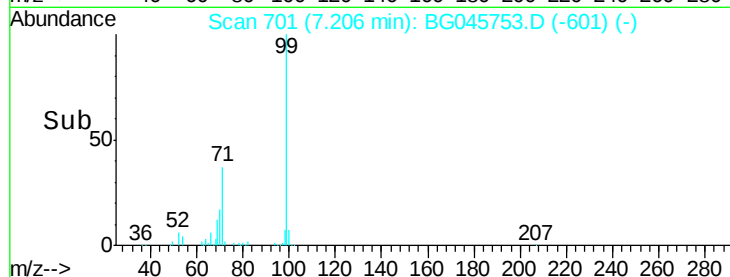
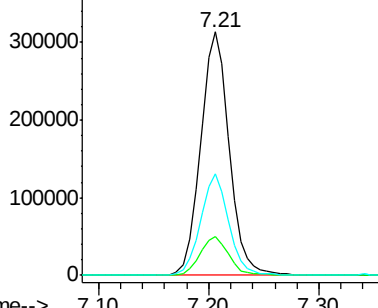
99 100

42 15.9 11.3 16.9

71 41.5 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



#9

Benzaldehyde

Concen: 6.406 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.05 min

Lab File: BG045753.D

Acq: 12 Jun 2020 23:25

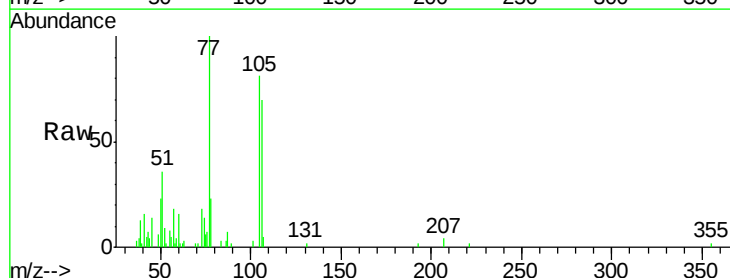
Tgt Ion: 77 Resp: 19023

Ion Ratio Lower Upper

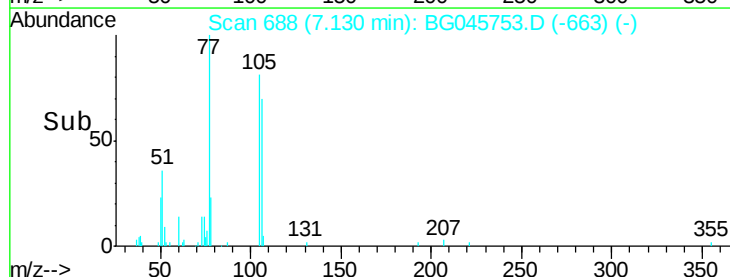
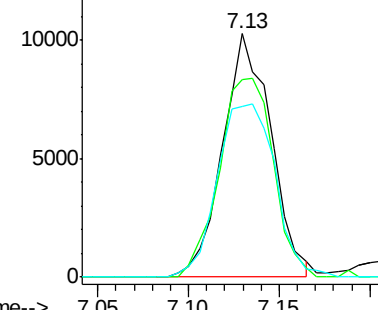
77 100

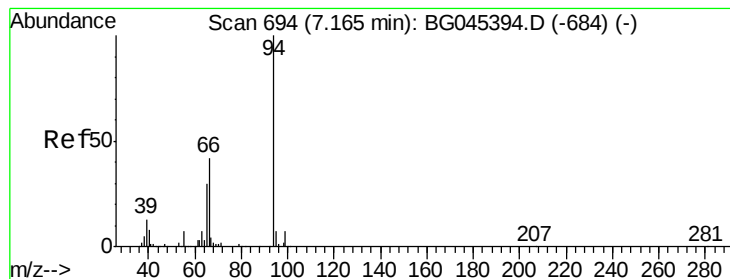
105 81.1 68.5 108.5

106 70.1 71.6 111.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 8.140 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.05 min

Lab File: BG045753.D

Acq: 12 Jun 2020 23:25

Instrument :

BNA_G

ClientSampleId :

30698

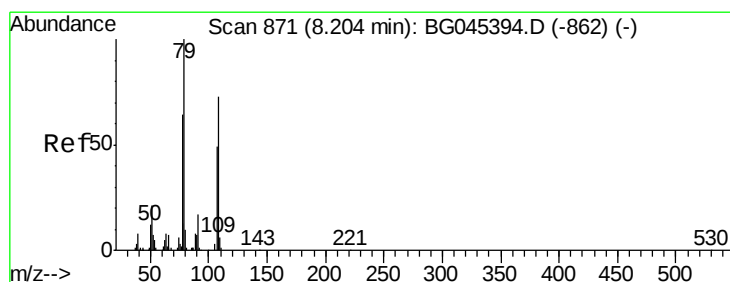
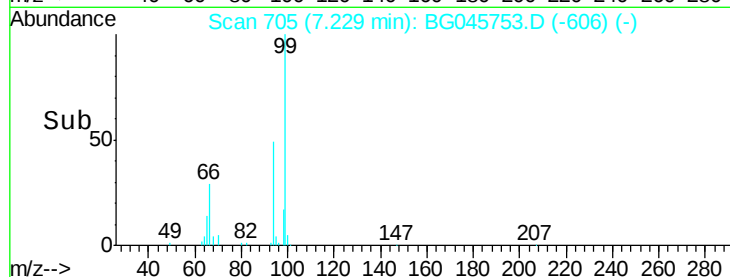
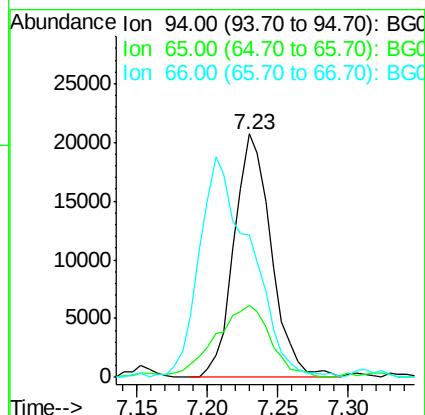
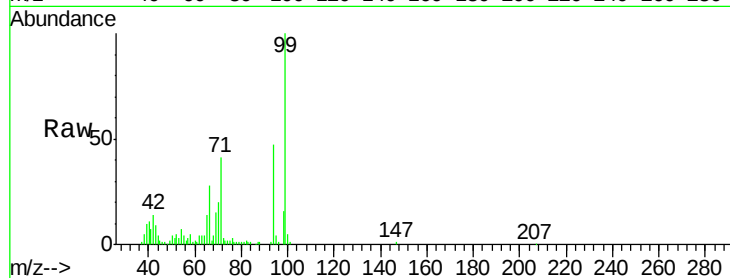
Tot Ion: 94 Resp: 38235

Ion Ratio Lower Upper

94 100

65 29.5 9.8 49.8

66 58.6 22.0 62.0



#15

Benzyl Alcohol

Concen: 19.173 ng

RT: 8.22 min Scan# 873

Delta R.T. 0.02 min

Lab File: BG045753.D

Acq: 12 Jun 2020 23:25

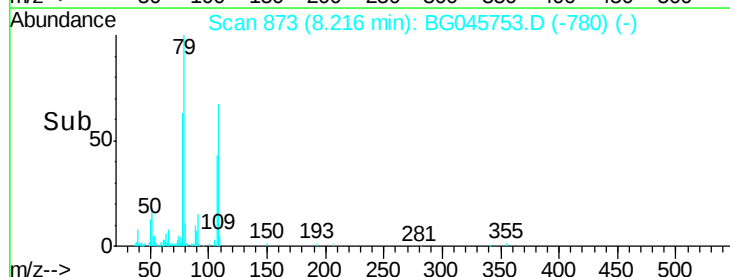
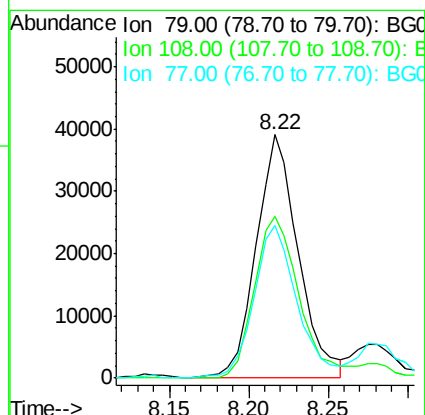
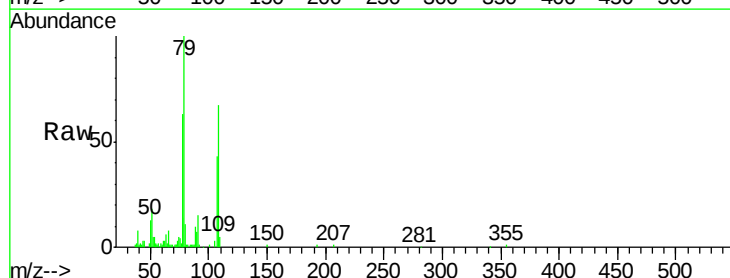
Tgt Ion: 79 Resp: 72185

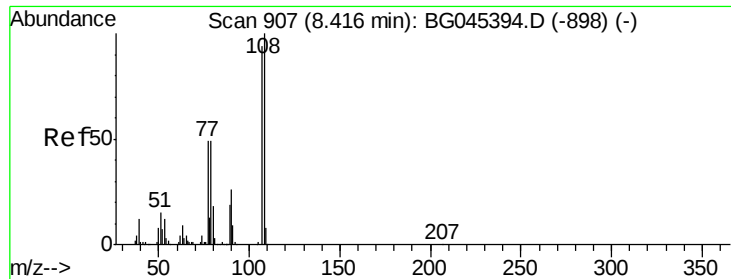
Ion Ratio Lower Upper

79 100

108 66.5 58.2 87.4

77 62.8 51.0 76.4

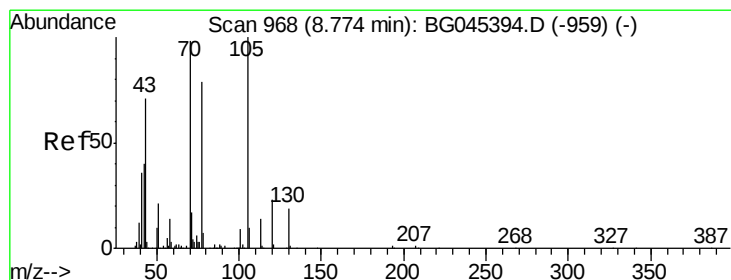
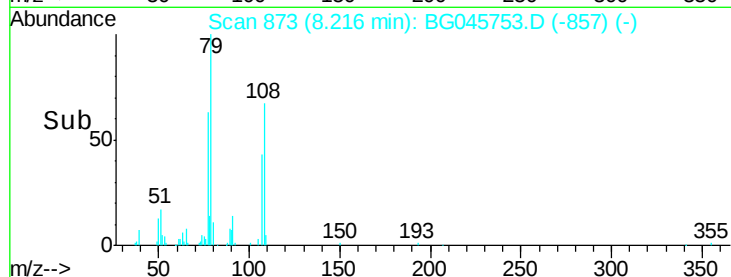
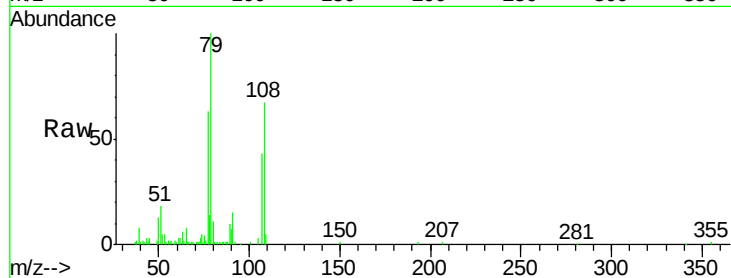
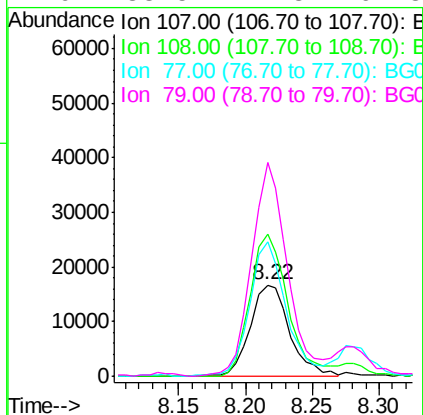




#17
2-Methylphenol
Concen: 9.659 ng
RT: 8.22 min Scan# 873
Delta R.T. -0.21 min
Lab File: BG045753.D
Acq: 12 Jun 2020 23:25

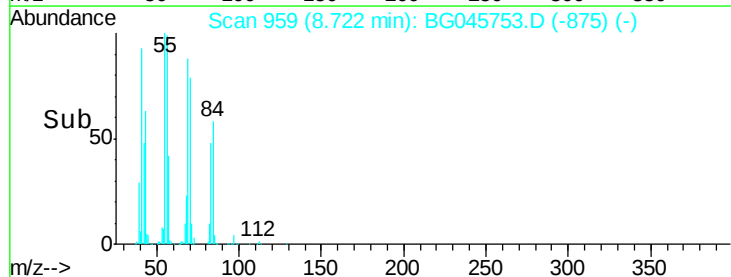
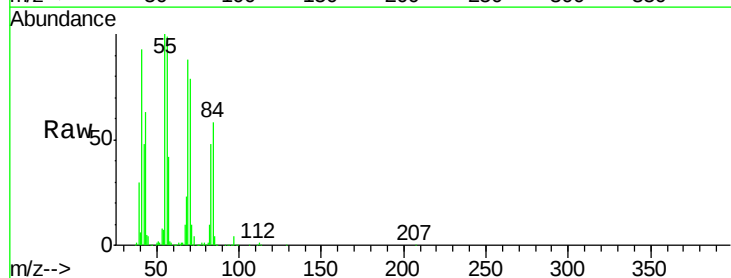
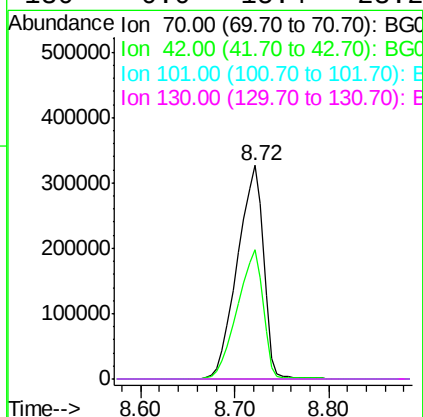
Instrument :
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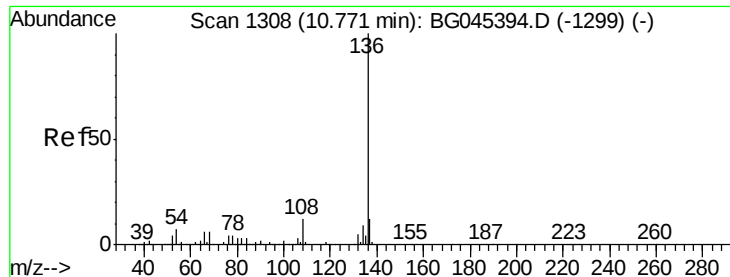
Tot Ion	Ratio	Lower	Upper
107	100		
108	155.3	85.2	127.8#
77	146.7	41.6	62.4#
79	233.5	41.8	62.8#



#19
n-Nitroso-di-n-propylamine
Concen: 201.220 ng
RT: 8.72 min Scan# 959
Delta R.T. -0.03 min
Lab File: BG045753.D
Acq: 12 Jun 2020 23:25

Tgt Ion	Ratio	Lower	Upper
70	100		
42	60.3	33.2	49.8#
101	0.0	7.8	11.6#
130	0.0	15.4	23.2#

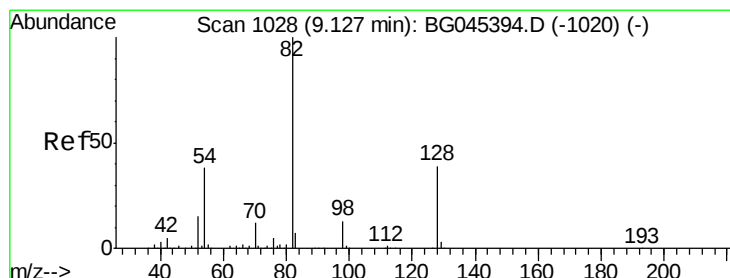
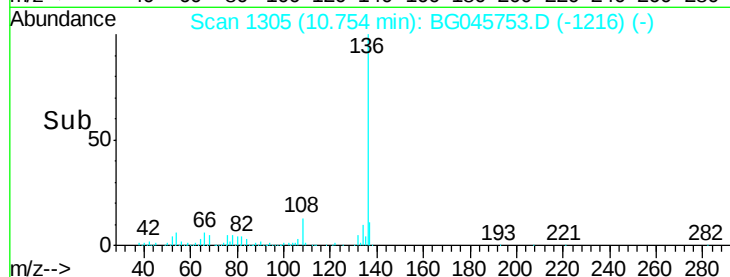
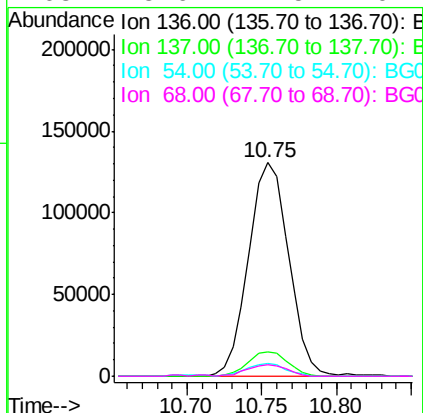
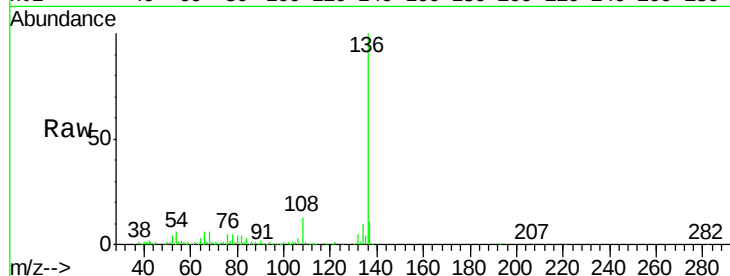




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045753.D
Acq: 12 Jun 2020 23:25

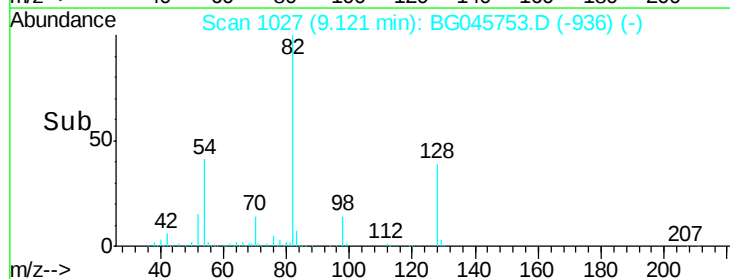
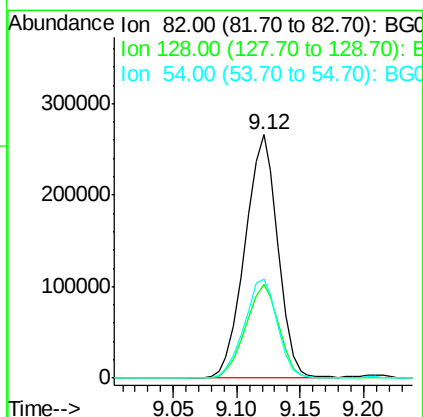
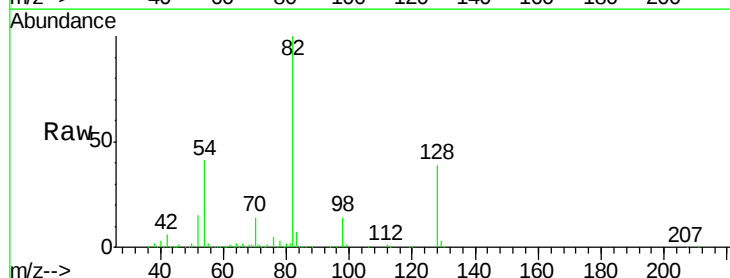
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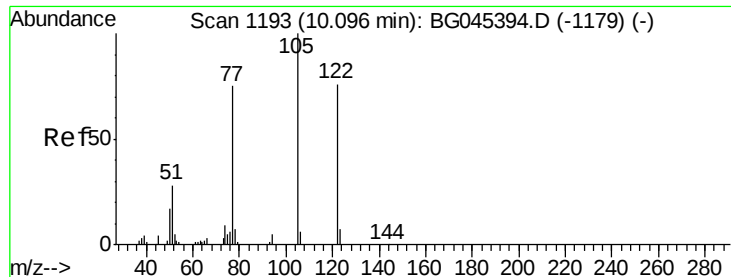
Tot Ion:136	Resp:	243476
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.4 14.2
54	5.7	5.8 8.6#
68	5.6	4.5 6.7



#23
Nitrobenzene-d5
Concen: 107.617 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BG045753.D
Acq: 12 Jun 2020 23:25

Tgt Ion: 82	Resp:	480496
Ion	Ratio	Lower Upper
82	100	
128	38.5	30.9 46.3
54	40.8	30.3 45.5

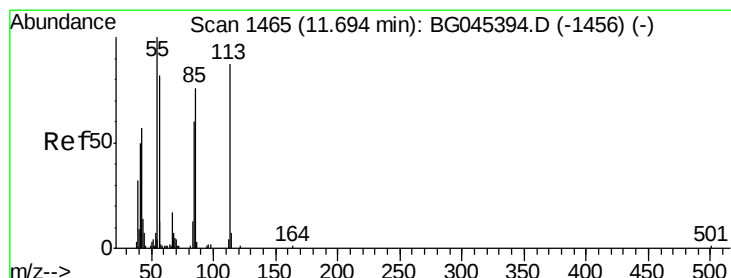
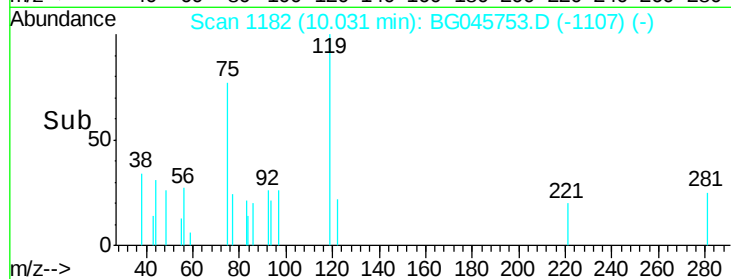
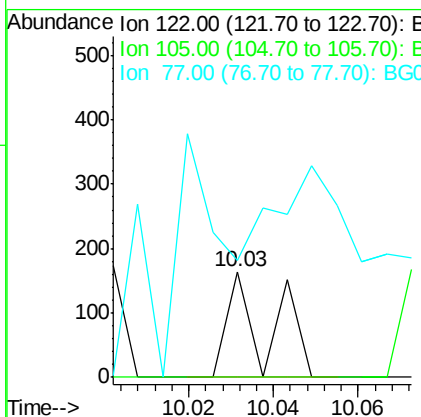
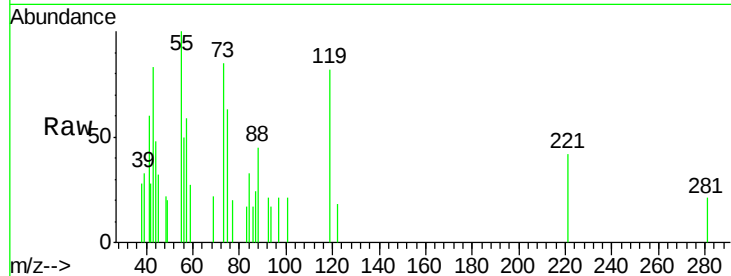




#32
Benzoic acid
Concen: 10.065 ng
RT: 10.03 min Scan# 1182
Delta R.T. -0.09 min
Lab File: BG045753.D
Acq: 12 Jun 2020 23:25

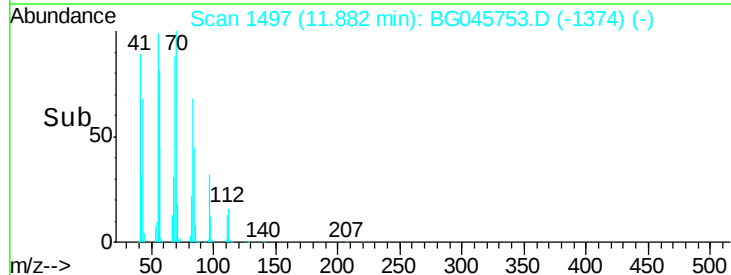
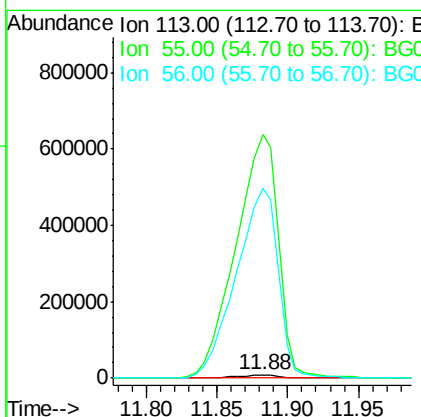
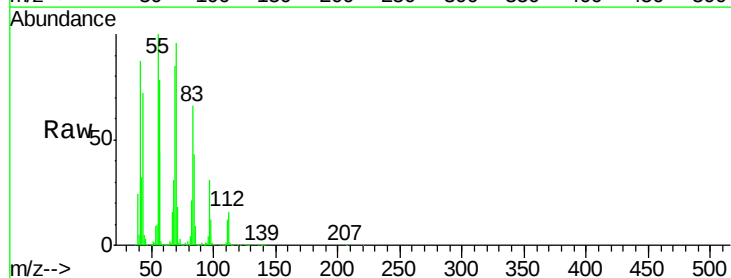
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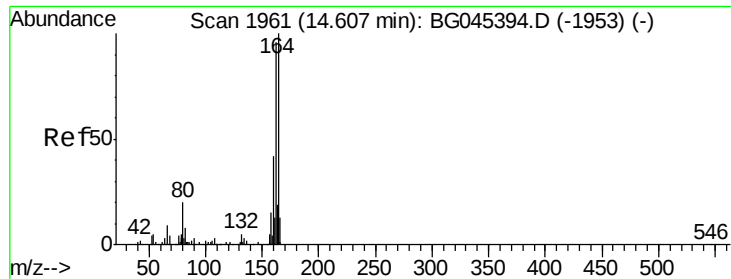
Tot Ion:122 Resp: 111
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 111.0 78.9 118.9



#35
Caprolactam
Concen: 13.552 ng
RT: 11.88 min Scan# 1497
Delta R.T. 0.19 min
Lab File: BG045753.D
Acq: 12 Jun 2020 23:25

Tgt Ion:113 Resp: 17828
Ion Ratio Lower Upper
113 100
55 7295.4 96.0 136.0#
56 5681.1 75.1 115.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BG045753.D

Acq: 12 Jun 2020 23:25

Instrument :

BNA_G

ClientSampleId :

30698

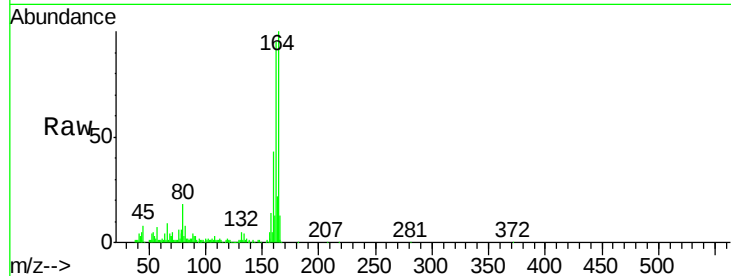
Tot Ion:164 Resp: 157054

Ion Ratio Lower Upper

164 100

162 95.0 76.9 115.3

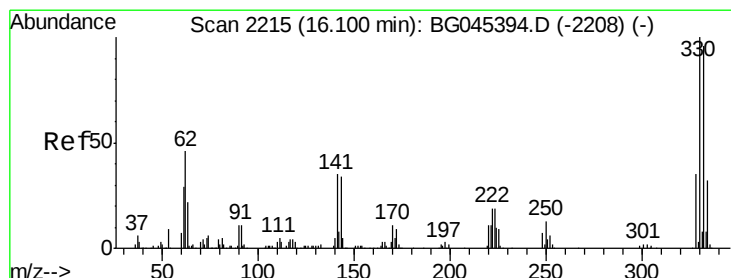
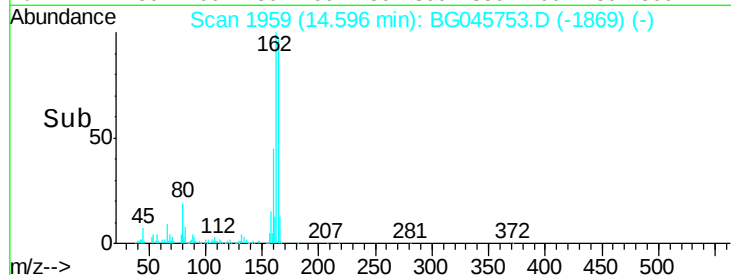
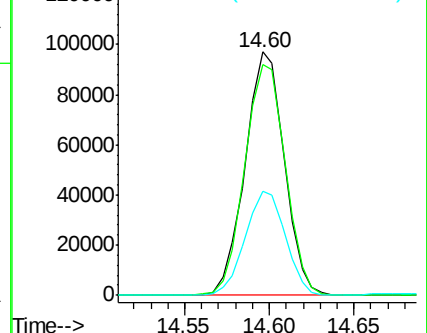
160 42.5 33.8 50.8



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: 142.054 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BG045753.D

Acq: 12 Jun 2020 23:25

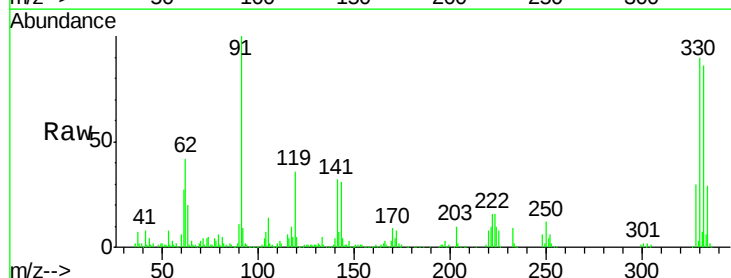
Tgt Ion:330 Resp: 285322

Ion Ratio Lower Upper

330 100

332 97.5 78.2 117.4

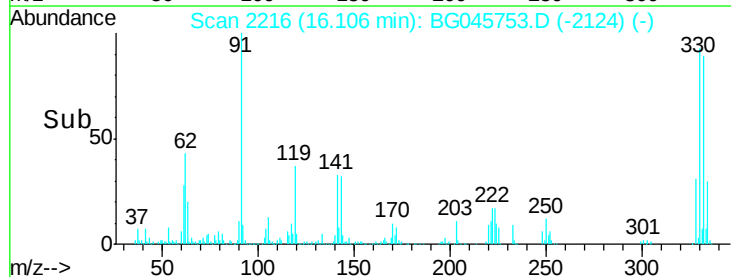
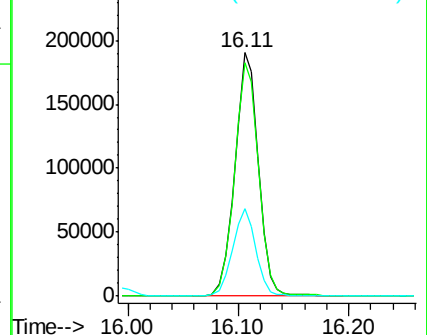
141 35.1 28.2 42.4

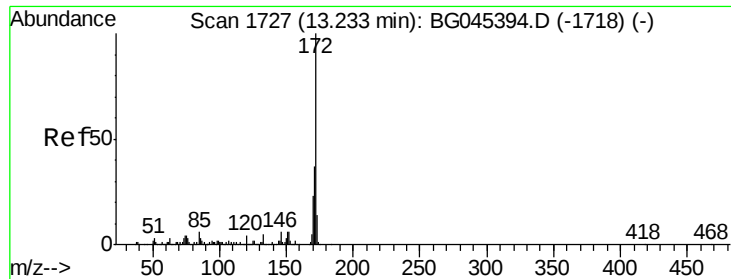


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 111.745 ng

RT: 13.23 min Scan# 1726

Delta R.T. 0.01 min

Lab File: BG045753.D

Acq: 12 Jun 2020 23:25

Instrument :

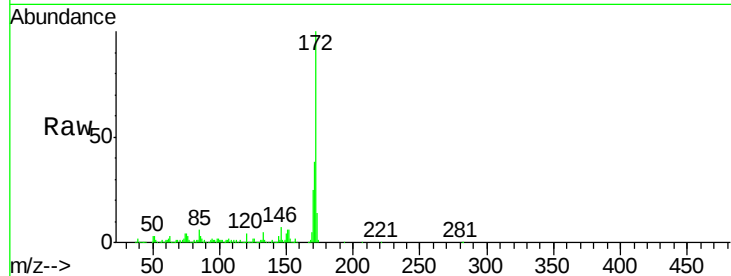
BNA_G

ClientSampled :

30698

Tot Ion:172 Resp: 1034663

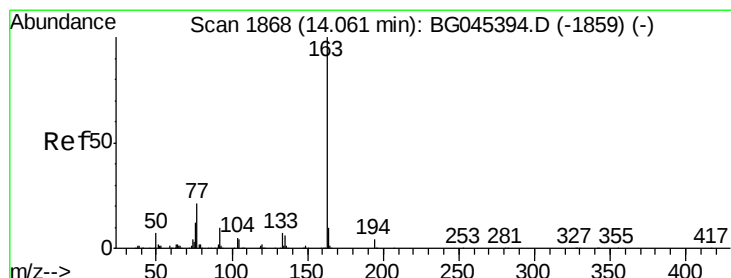
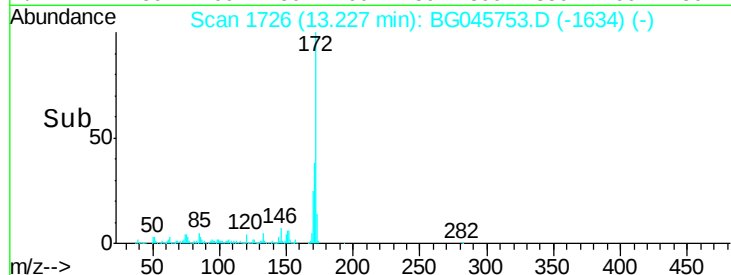
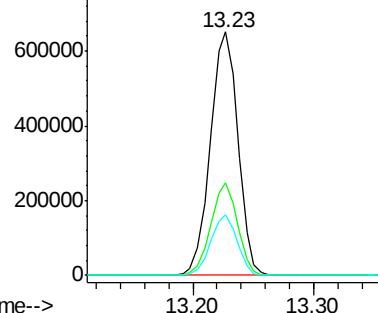
Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.5	44.3
170	24.7	18.5	27.7



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: 10.130 ng

RT: 14.07 min Scan# 1870

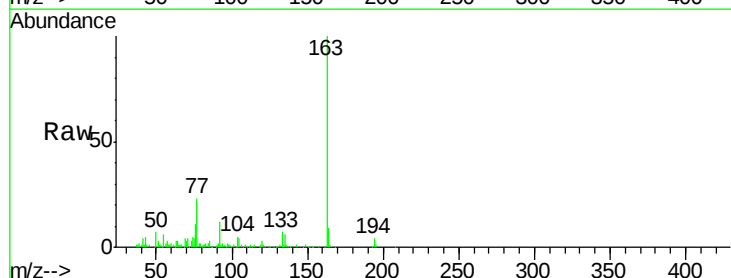
Delta R.T. 0.02 min

Lab File: BG045753.D

Acq: 12 Jun 2020 23:25

Tgt Ion:163 Resp: 109139

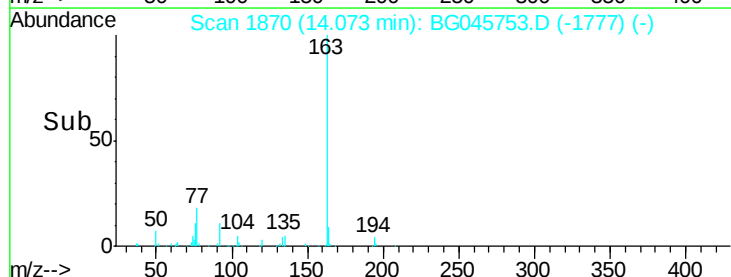
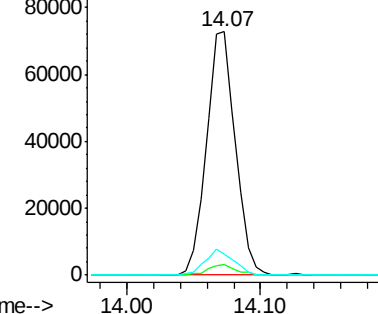
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	8.8	8.3	12.5

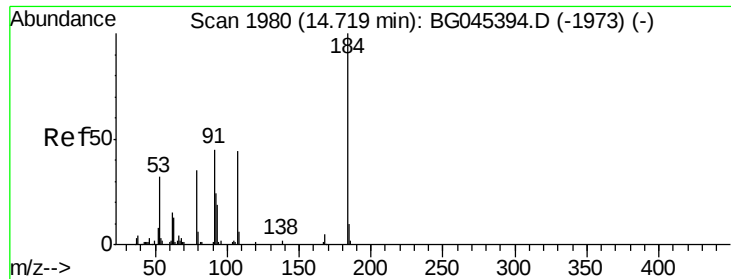


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

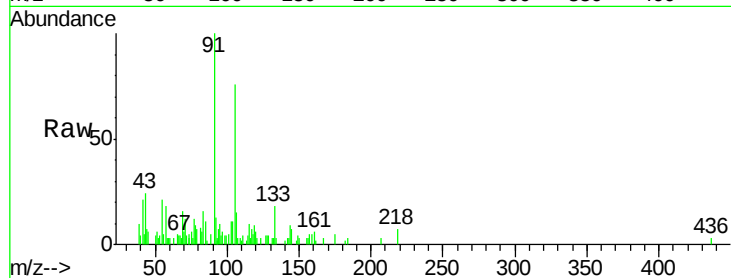




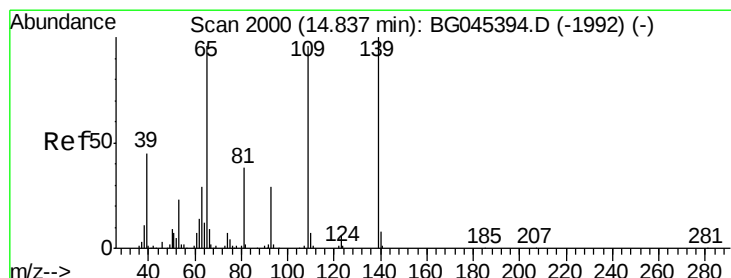
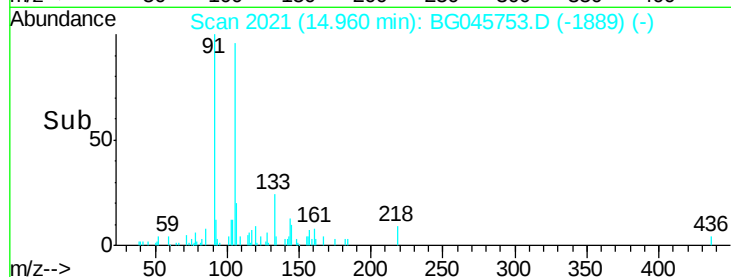
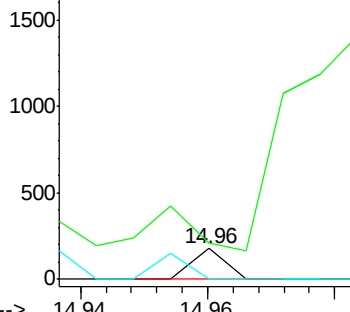
#54
2,4-Dinitrophenol
Concen: 5.496 ng
RT: 14.96 min Scan# 2021
Delta R.T. 0.25 min
Lab File: BG045753.D
Acq: 12 Jun 2020 23:25

Instrument :
BNA_G
ClientSampleId :
30698

Tot Ion:184 Resp: 63
Ion Ratio Lower Upper
184 100
63 116.7 47.8 71.6#
154 0.0 58.3 87.5#

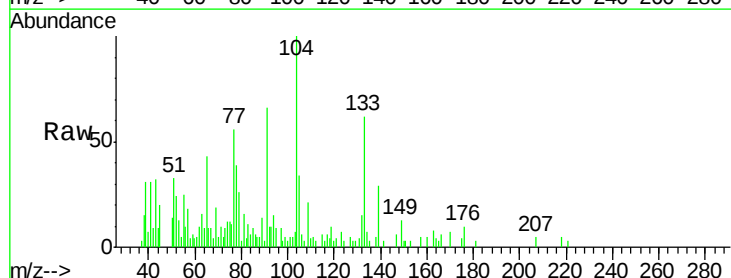


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

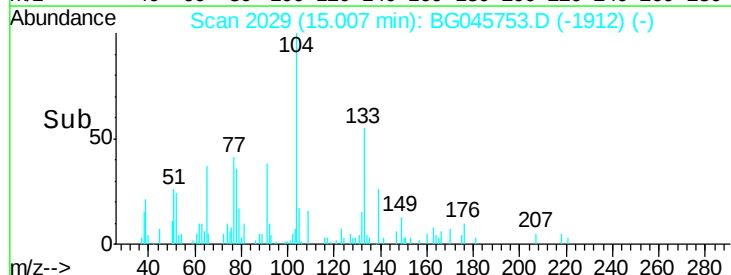
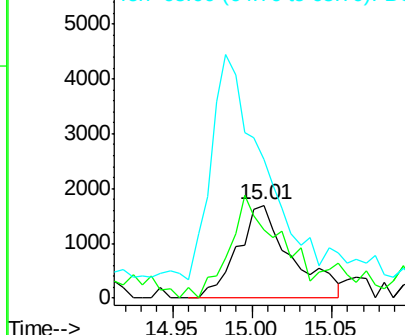


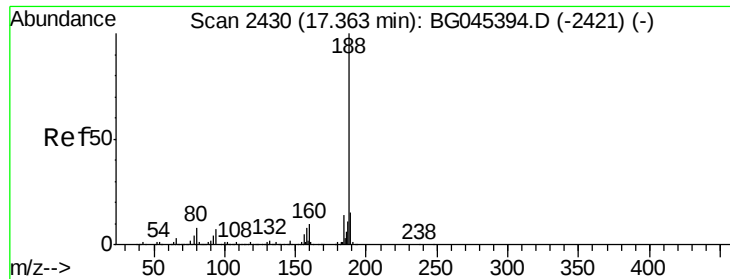
#56
4-Nitrophenol
Concen: 2.109 ng
RT: 15.01 min Scan# 2029
Delta R.T. 0.16 min
Lab File: BG045753.D
Acq: 12 Jun 2020 23:25

Tgt Ion:139 Resp: 3946
Ion Ratio Lower Upper
139 100
109 74.3 75.6 115.6#
65 149.6 76.8 116.8#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG045753.D

Acq: 12 Jun 2020 23:25

Instrument :

BNA_G

ClientSampled :

30698

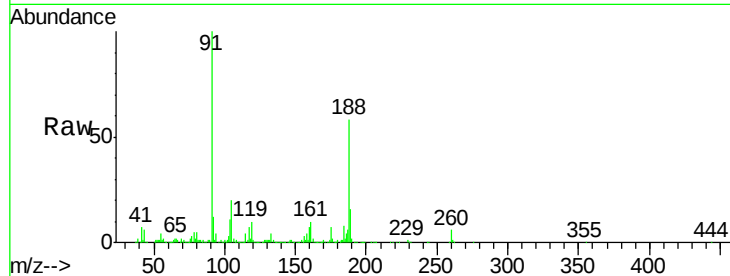
Tot Ion:188 Resp: 304622

Ion Ratio Lower Upper

188 100

94 6.5 5.5 8.3

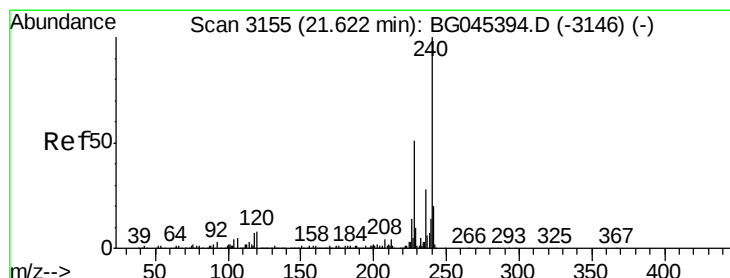
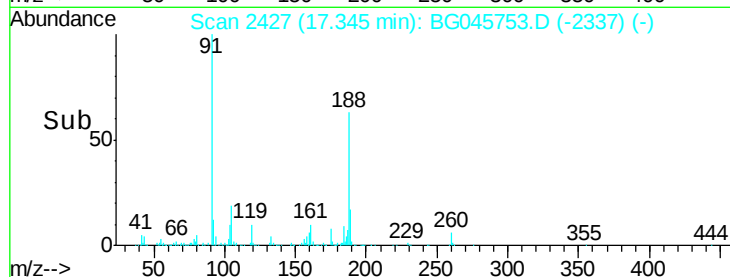
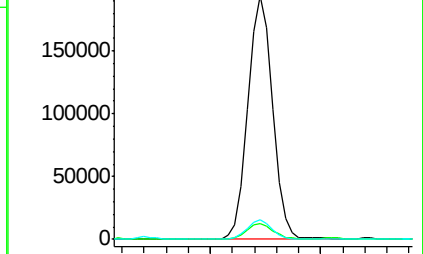
80 7.9 6.6 10.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.61 min Scan# 3153

Delta R.T. 0.01 min

Lab File: BG045753.D

Acq: 12 Jun 2020 23:25

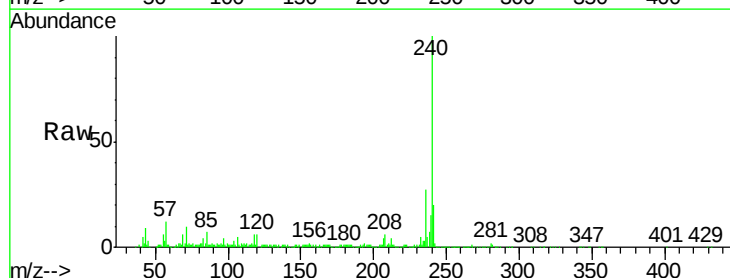
Tgt Ion:240 Resp: 290855

Ion Ratio Lower Upper

240 100

120 5.8 6.1 9.1#

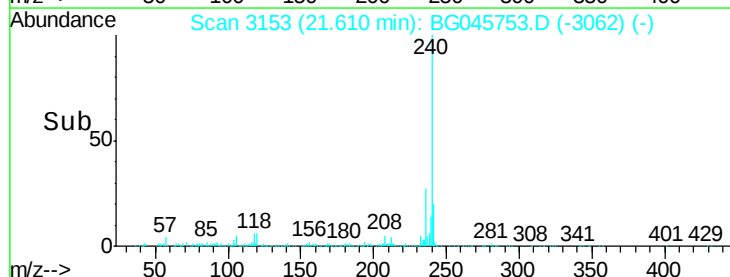
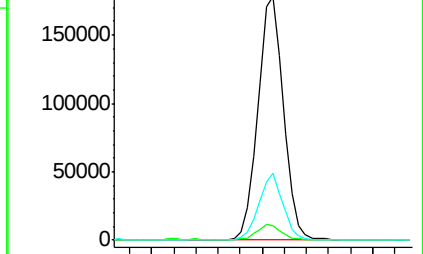
236 27.4 22.3 33.5

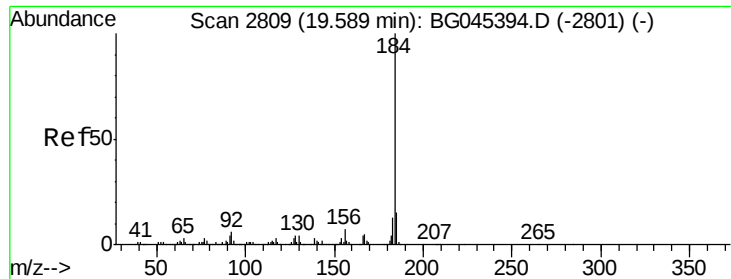


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.519 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045753.D

Acq: 12 Jun 2020 23:25

Instrument :

BNA_G

ClientSampled :

30698

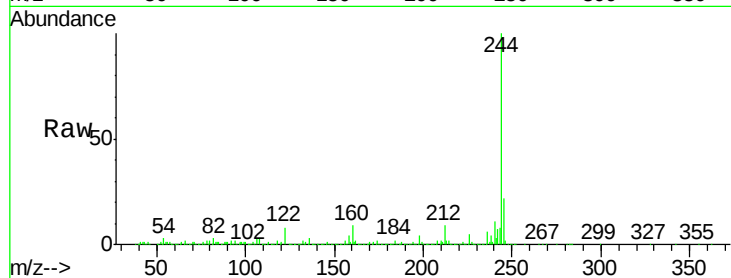
Tot Ion:184 Resp: 28746

Ion Ratio Lower Upper

184 100

185 17.8 11.7 17.5#

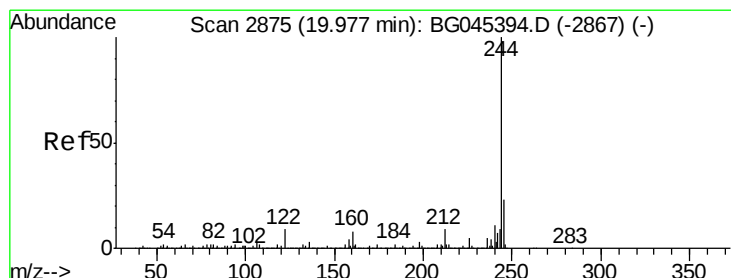
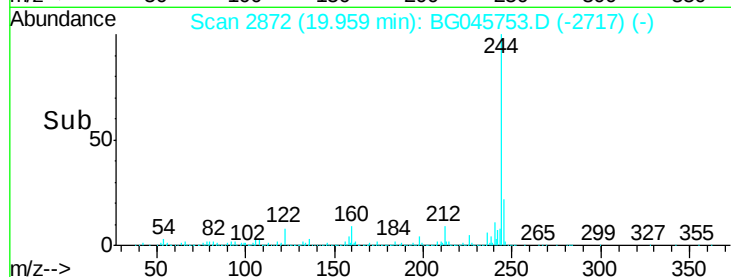
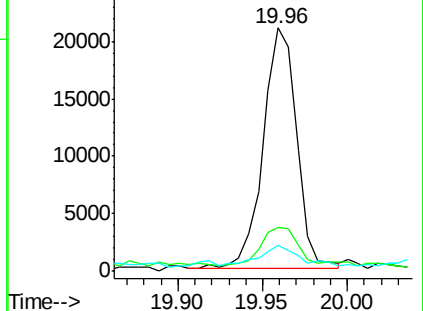
183 10.6 10.2 15.4



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: 114.253 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045753.D

Acq: 12 Jun 2020 23:25

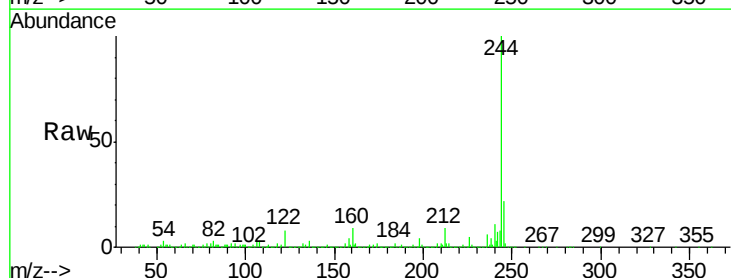
Tgt Ion:244 Resp: 1424814

Ion Ratio Lower Upper

244 100

212 9.2 7.4 11.0

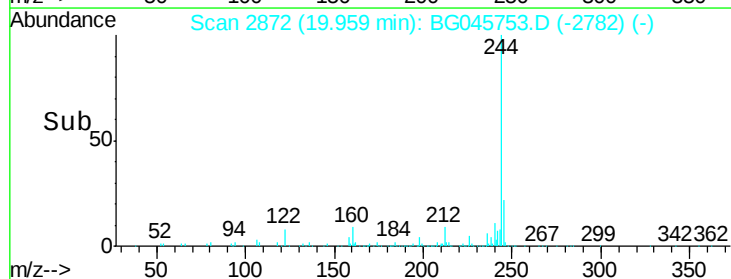
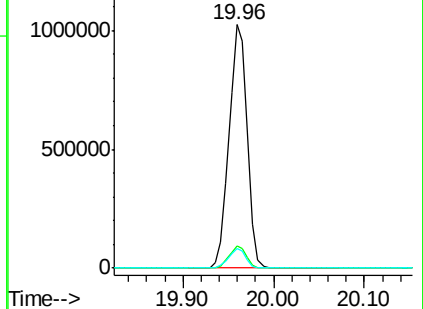
122 8.0 6.8 10.2

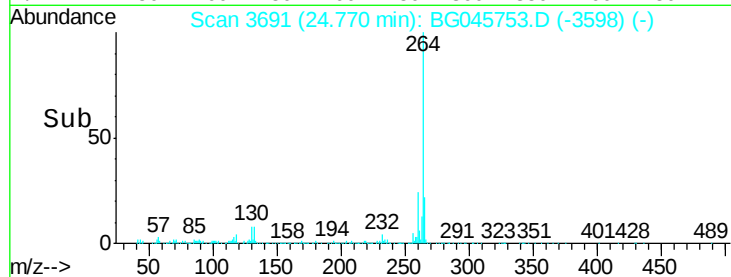
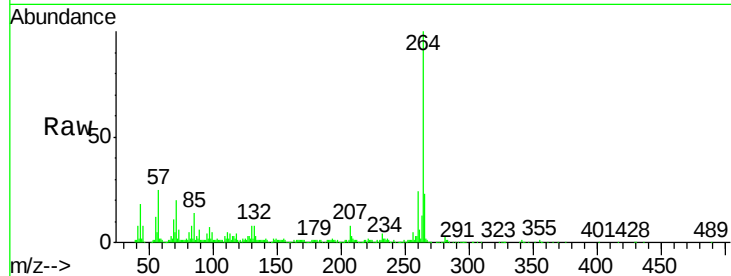
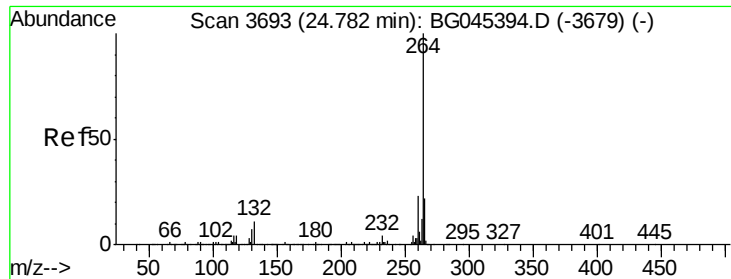


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.77 min Scan# 3691
 Delta R.T. 0.02 min
 Lab File: BG045753.D
 Acq: 12 Jun 2020 23:25

Instrument :
 BNA_G
 ClientSampleId :
 30698

Tot Ion:	264	Resp:	310257
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	22.5	17.6	26.4

