

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050420\
 Data File : BG045238.D
 Acq On : 4 May 2020 17:52
 Operator : CG/JU
 Sample : L2465-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ROLLOFF-201009

Quant Time: May 04 18:31:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 04 13:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	67261	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	248508	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	173484	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	390206	20.00	ng	0.00
76) Chrysene-d12	21.64	240	422268	20.00	ng	0.00
87) Perylene-d12	24.81	264	473656	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	51371	12.61	ng	0.00
7) Phenol-d6	7.15	99	283402	46.82	ng	0.00
23) Nitrobenzene-d5	9.15	82	324816	59.64	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	5519	2.06	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	741514	62.67	ng	0.00
79) Terphenyl-d14	19.99	244	1241655	64.09	ng	0.00

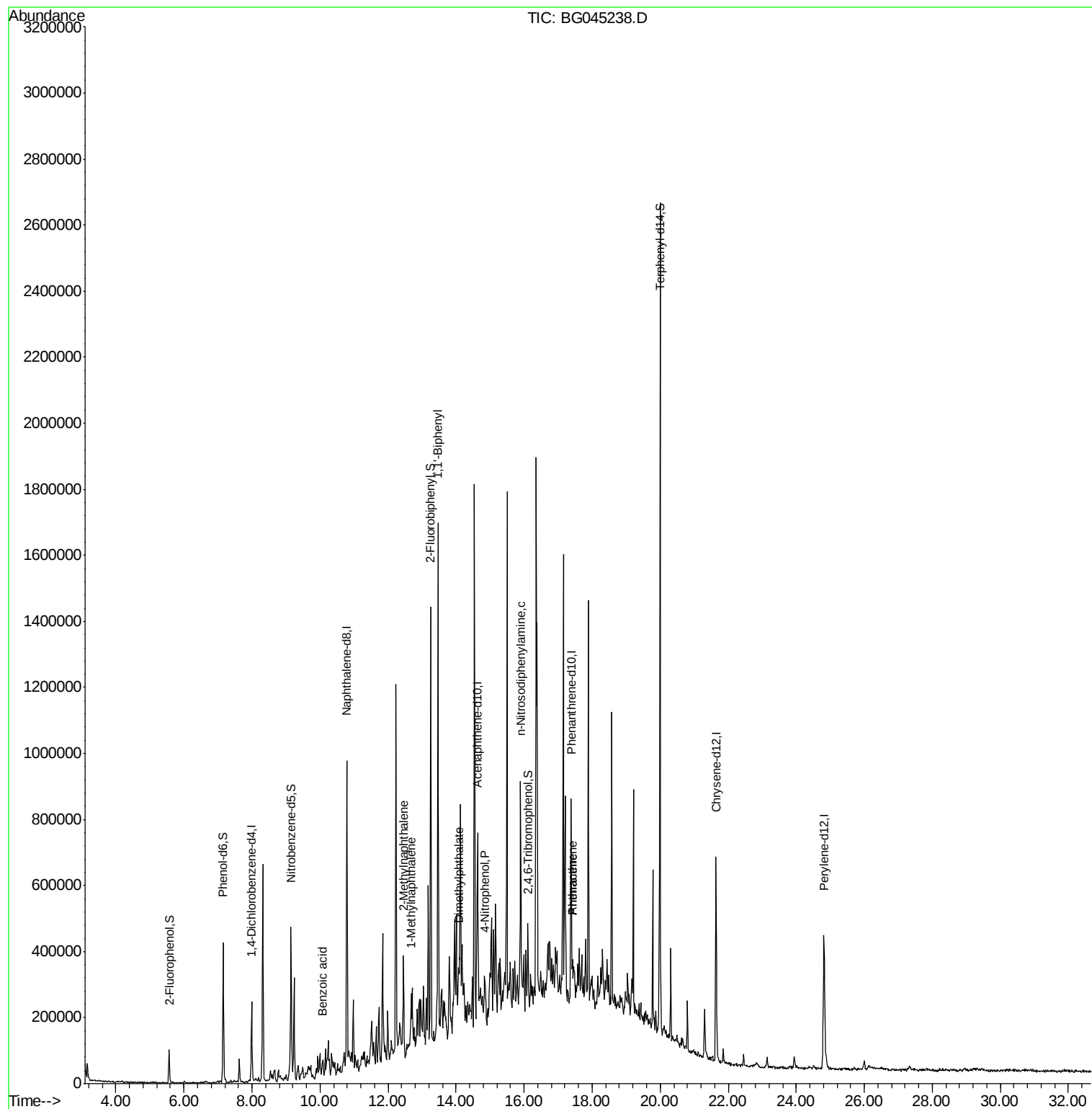
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	604	Below Cal	#	1
32) Benzoic acid	10.07	122	57	6.390	ng	# 7
37) 2-Methylnaphthalene	12.46	142	113896	10.794	ng	98
38) 1-Methylnaphthalene	12.67	142	75139	7.543	ng	# 99
46) 1,1'-Biphenyl	13.47	154	36548	2.772	ng	94
50) Dimethylphthalate	14.08	163	59646	4.222	ng	# 94
56) 4-Nitrophenol	14.85	139	7830	2.914	ng	# 67
66) n-Nitrosodiphenylamine	15.89	169	33533	2.991	ng	# 44
69) Atrazine	16.83	200	1247	Below Cal	#	47
71) Phenanthrene	17.42	178	65135	3.248	ng	99
72) Anthracene	17.42	178	65135	3.238	ng	98
74) Di-n-butylphthalate	18.34	149	4290	Below Cal	#	69
75) Fluoranthene	19.43	202	7214	Below Cal		81
77) Benzidine	19.99	184	22945	Below Cal		97

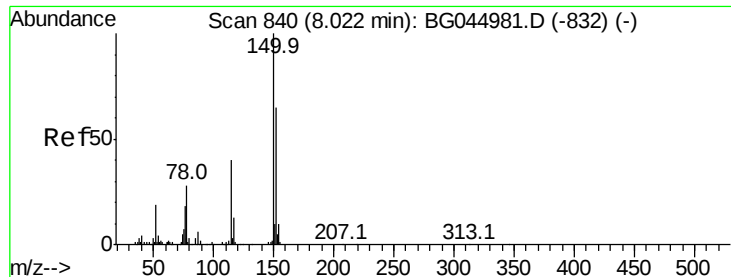
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.99 min Scan# 835

Delta R.T. 0.01 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

Instrument :

BNA_G

ClientSampleId :

ROLLOFF-201009

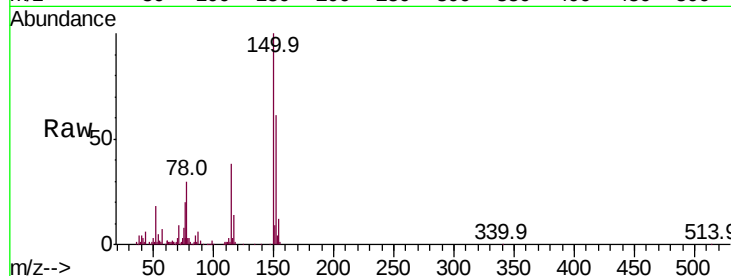
Tot Ion:152 Resp: 67261

Ion Ratio Lower Upper

152 100

150 162.7 123.6 185.4

115 62.3 49.1 73.7



Abundance

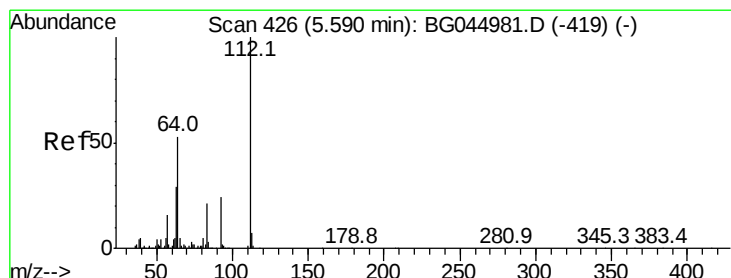
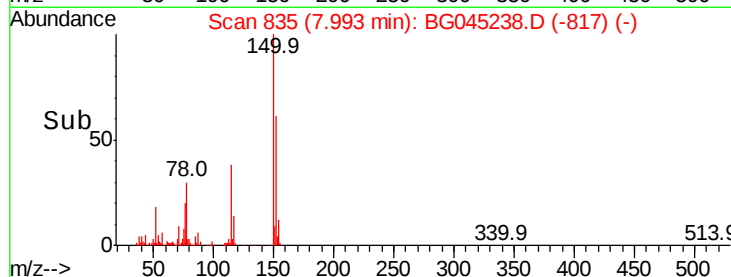
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.99

Time-->



#5

2-Fluorophenol

Concen: 12.609 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

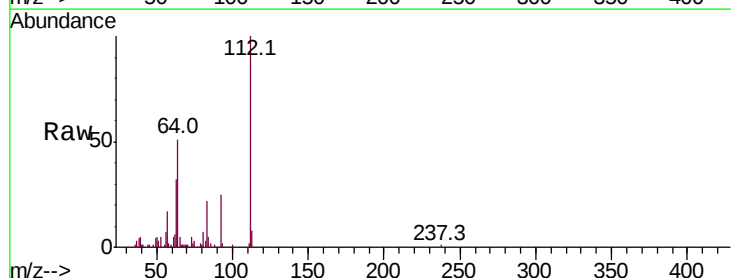
Tgt Ion:112 Resp: 51371

Ion Ratio Lower Upper

112 100

64 50.8 42.4 63.6

63 31.6 23.1 34.7



Abundance

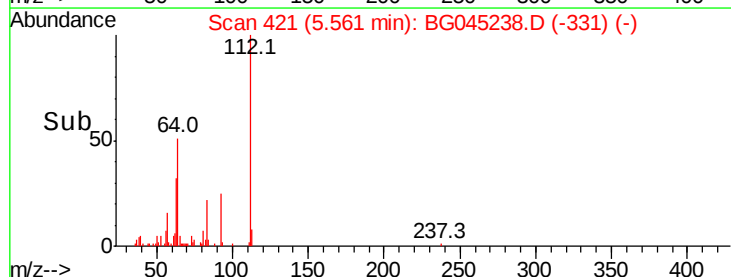
Ion 112.00 (111.70 to 112.70): E

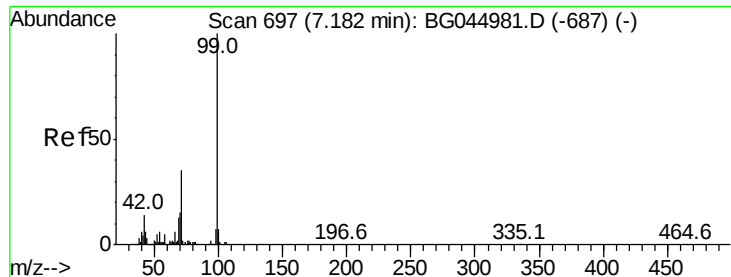
Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

5.56

Time-->





#7

Phenol-d6

Concen: 46.819 ng

RT: 7.15 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

Instrument :

BNA_G

ClientSampleId :

ROLLOFF-201009

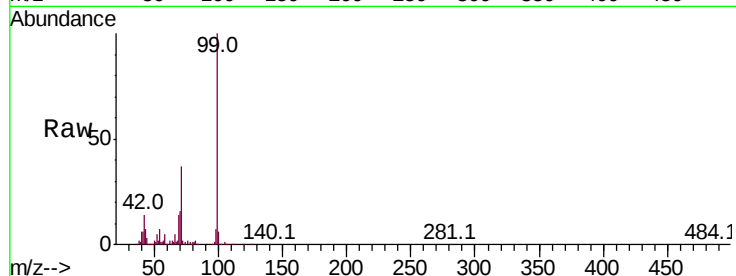
Tot Ion: 99 Resp: 283402

Ion Ratio Lower Upper

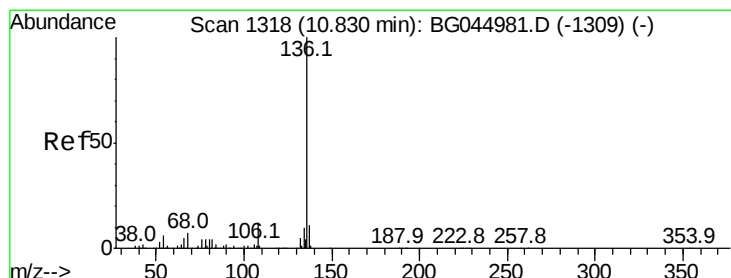
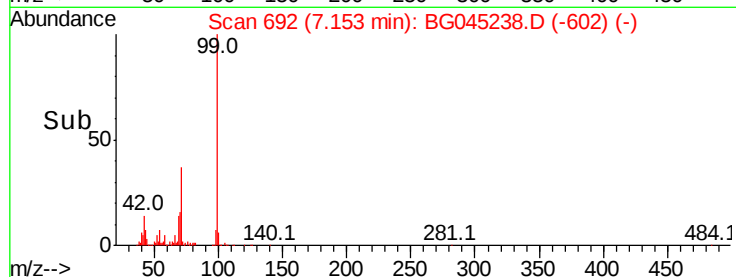
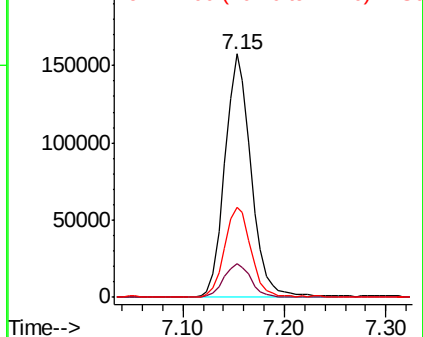
99 100

42 13.9 11.3 16.9

71 36.7 28.3 42.5



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.79 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

Tgt Ion: 136 Resp: 248508

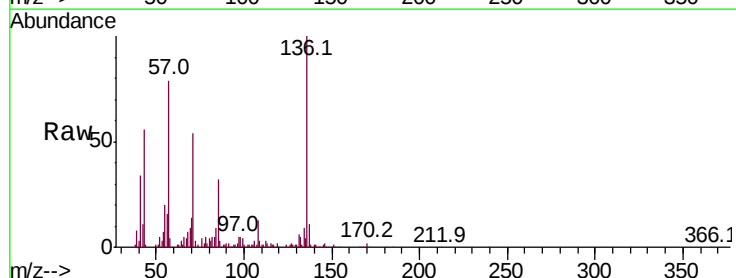
Ion Ratio Lower Upper

136 100

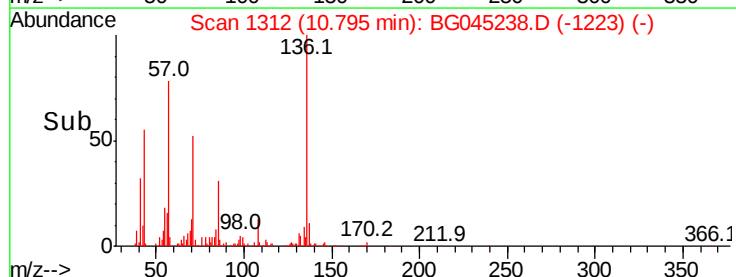
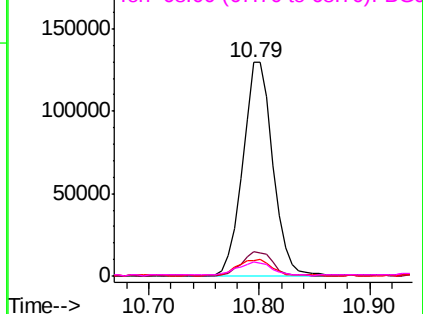
137 11.4 8.6 13.0

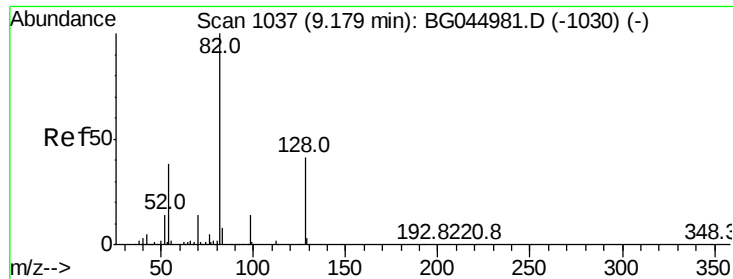
54 7.3 4.8 7.2#

68 6.6 5.2 7.8



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

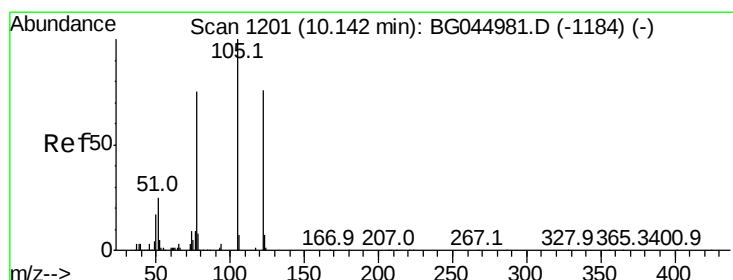
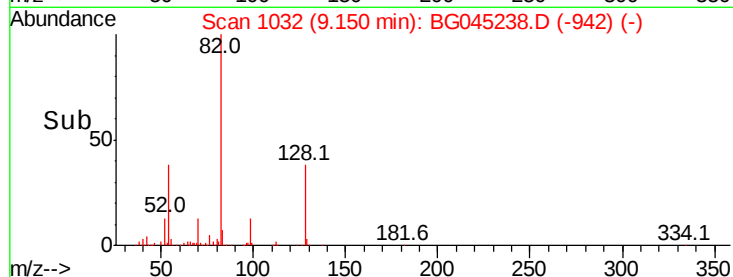
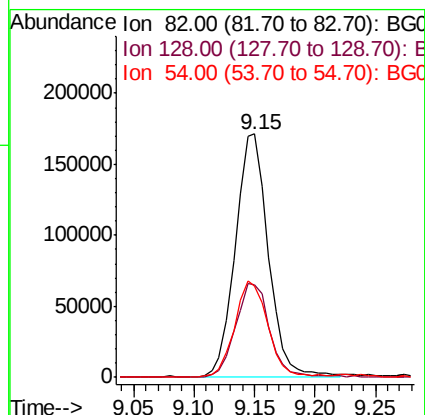
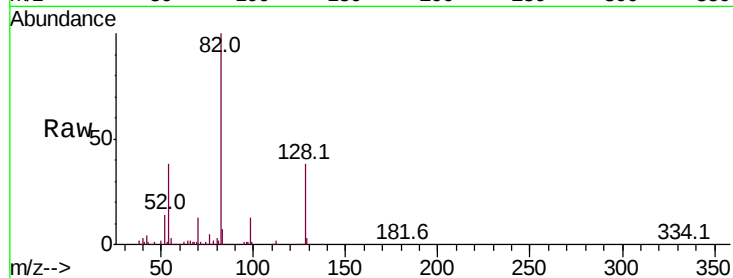




#23
 Nitrobenzene-d5
 Concen: 59.640 ng
 RT: 9.15 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BG045238.D
 Acq: 4 May 2020 17:52

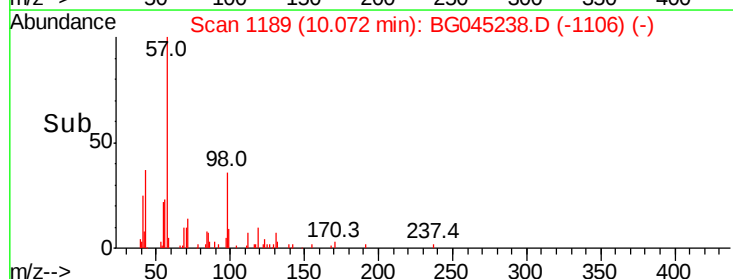
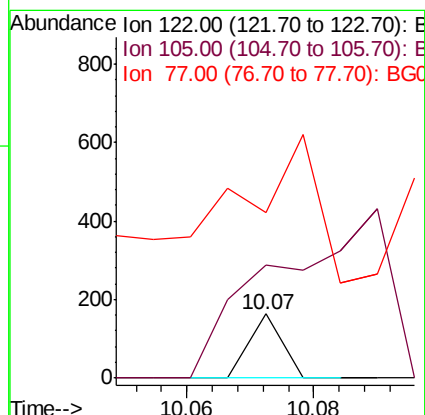
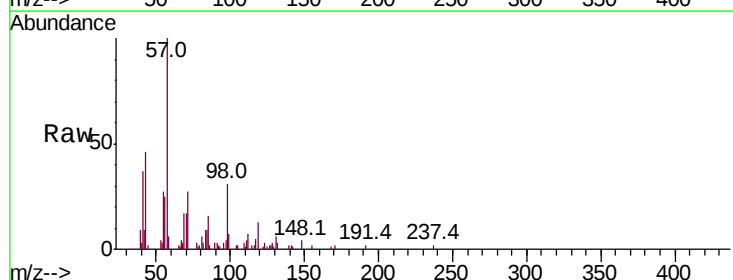
Instrument :
 BNA_G
 ClientSampleId :
 ROLLOFF-201009

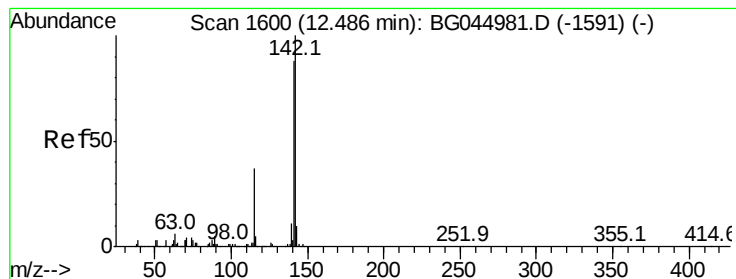
Tot Ion: 82 Resp: 324816
 Ion Ratio Lower Upper
 82 100
 128 38.1 33.0 49.4
 54 37.7 30.4 45.6



#32
 Benzoic acid
 Concen: 6.390 ng
 RT: 10.07 min Scan# 1189
 Delta R.T. -0.04 min
 Lab File: BG045238.D
 Acq: 4 May 2020 17:52

Tgt Ion: 122 Resp: 57
 Ion Ratio Lower Upper
 122 100
 105 176.1 108.4 148.4#
 77 258.3 78.8 118.8#





#37

2-Methylnaphthalene

Concen: 10.794 ng

RT: 12.46 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

Instrument :

BNA_G

ClientSampleId :

ROLLOFF-201009

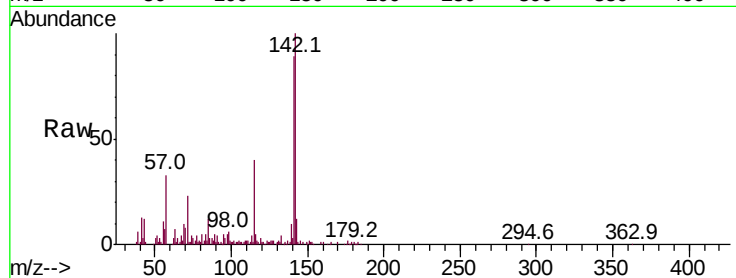
Tot Ion:142 Resp: 113896

Ion Ratio Lower Upper

142 100

141 88.8 70.3 105.5

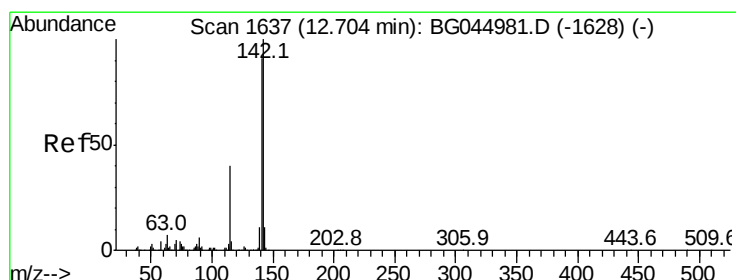
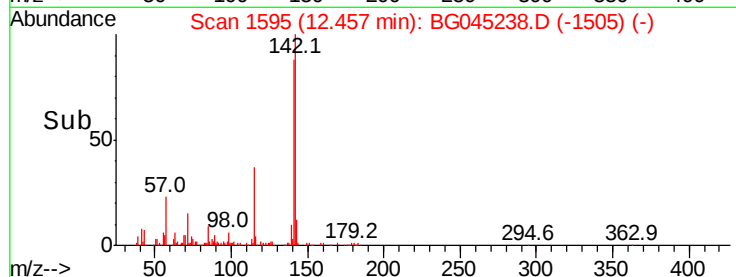
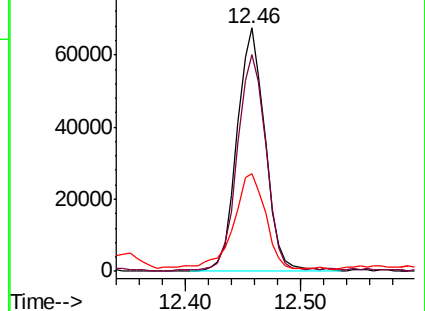
115 40.1 29.8 44.6



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: 7.543 ng

RT: 12.67 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

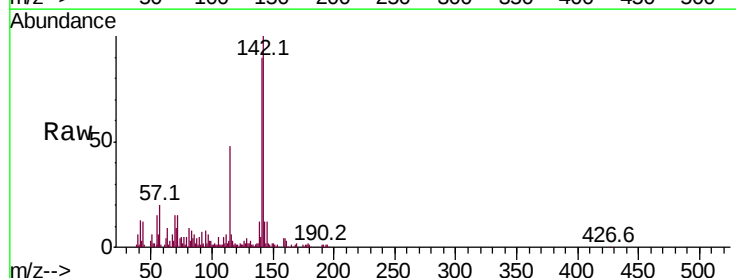
Tgt Ion:142 Resp: 75139

Ion Ratio Lower Upper

142 100

141 89.8 72.7 109.1

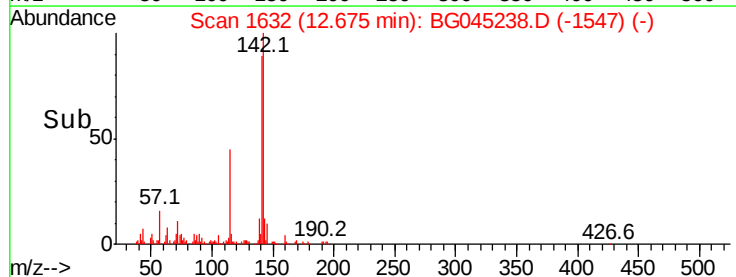
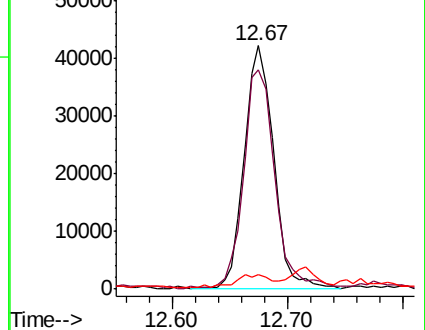
116 6.0 3.1 4.7#

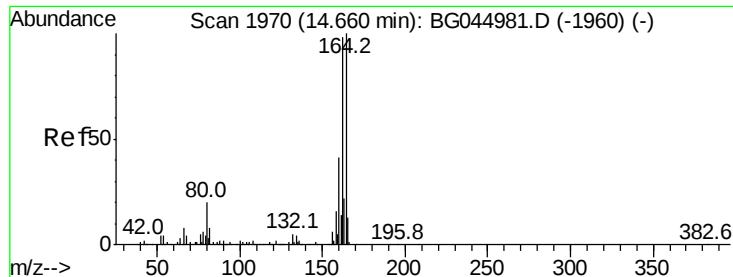


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

Instrument :

BNA_G

ClientSampleId :

ROLLOFF-201009

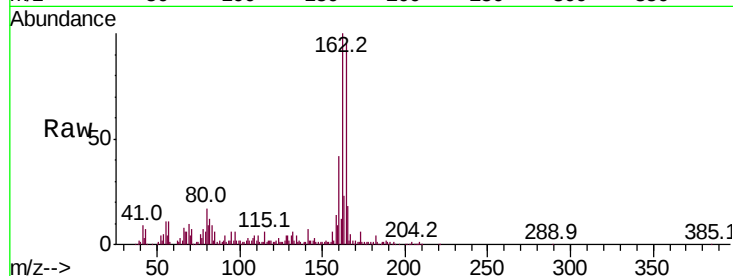
Tot Ion:164 Resp: 173484

Ion Ratio Lower Upper

164 100

162 105.6 78.7 118.1

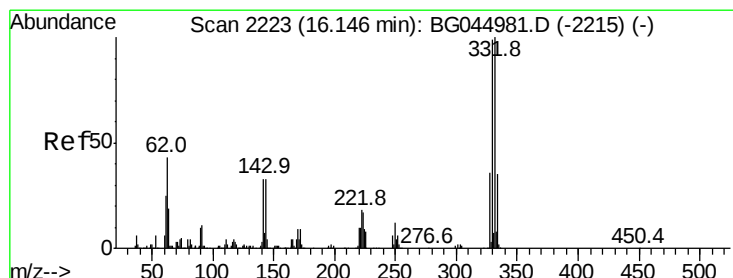
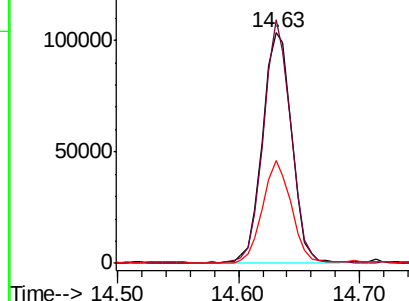
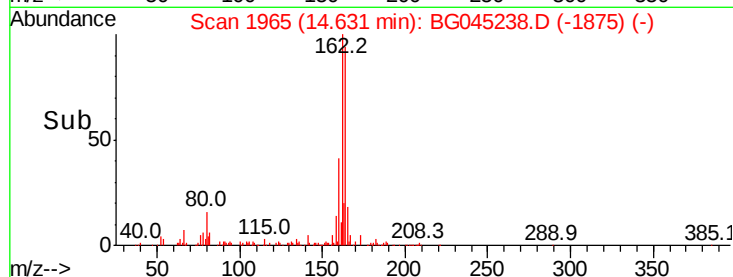
160 44.4 32.8 49.2



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: 2.059 ng

RT: 16.12 min Scan# 2219

Delta R.T. 0.00 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

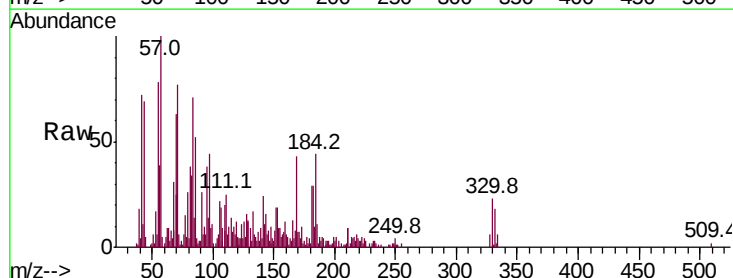
Tgt Ion:330 Resp: 5519

Ion Ratio Lower Upper

330 100

332 90.8 79.1 118.7

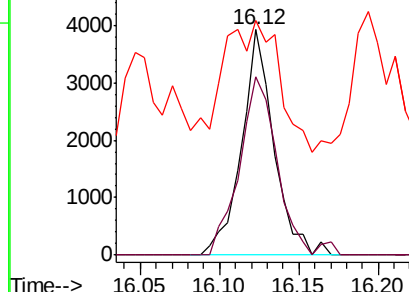
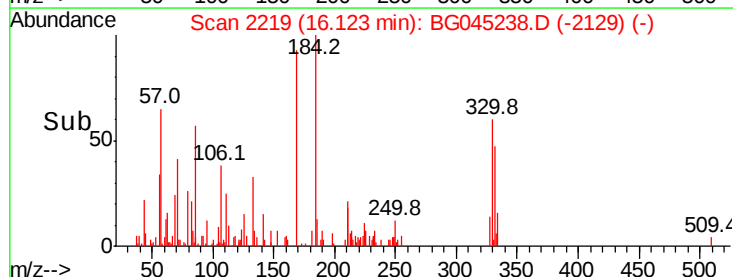
141 35.1 27.1 40.7

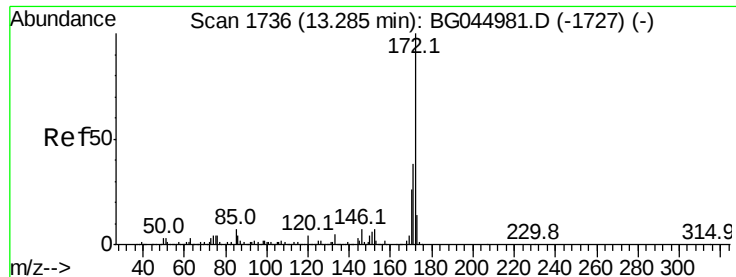


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

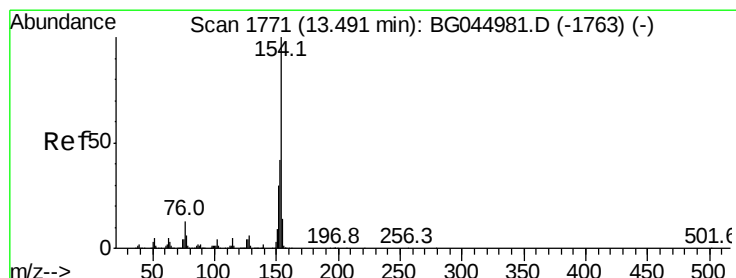
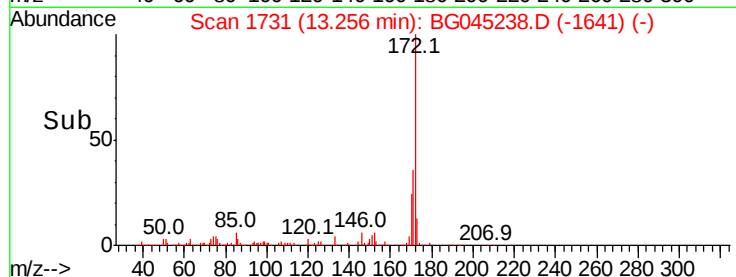
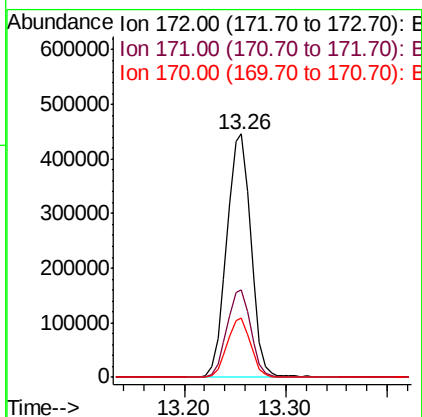
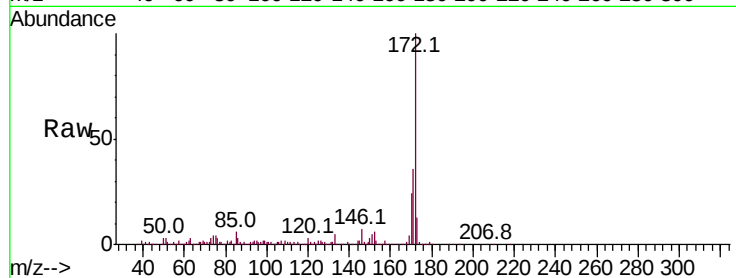




#45
2-Fluorobiphenyl
Concen: 62.674 ng
RT: 13.26 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BG045238.D
Acq: 4 May 2020 17:52

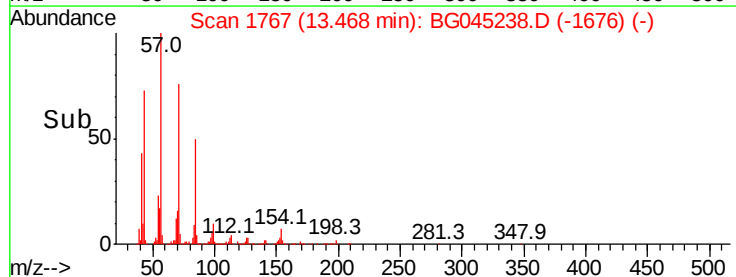
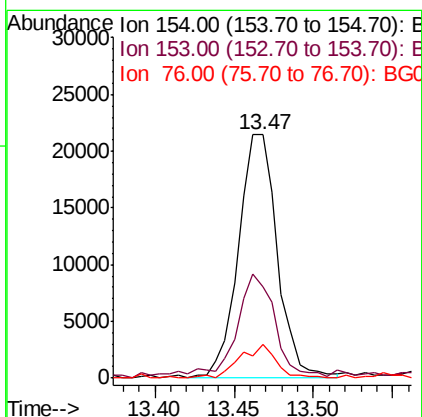
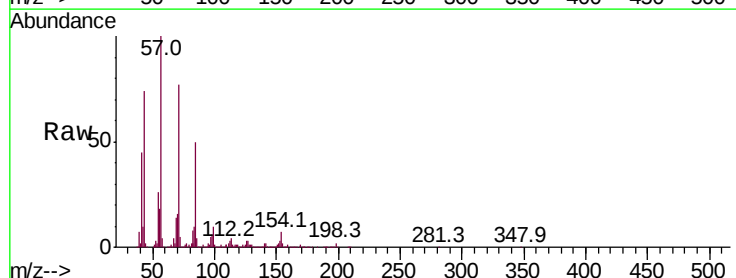
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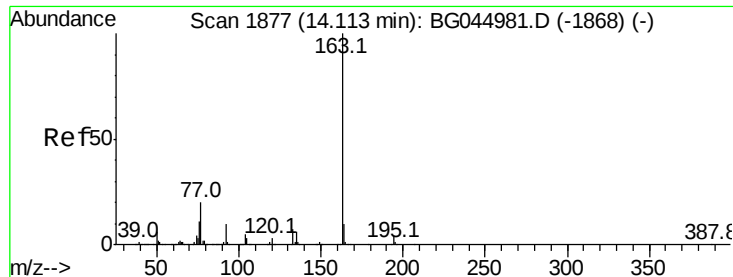
Tot Ion:172 Resp: 741514
Ion Ratio Lower Upper
172 100
171 35.7 30.6 46.0
170 24.3 20.5 30.7



#46
1,1'-Biphenyl
Concen: 2.772 ng
RT: 13.47 min Scan# 1767
Delta R.T. 0.01 min
Lab File: BG045238.D
Acq: 4 May 2020 17:52

Tgt Ion:154 Resp: 36548
Ion Ratio Lower Upper
154 100
153 37.3 21.9 61.9
76 14.0 0.0 33.1

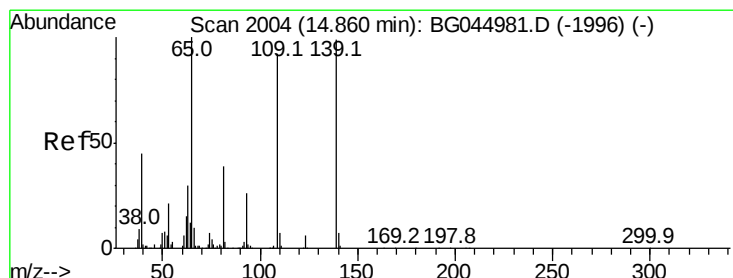
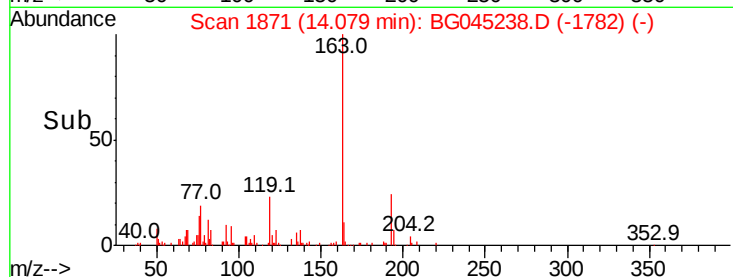
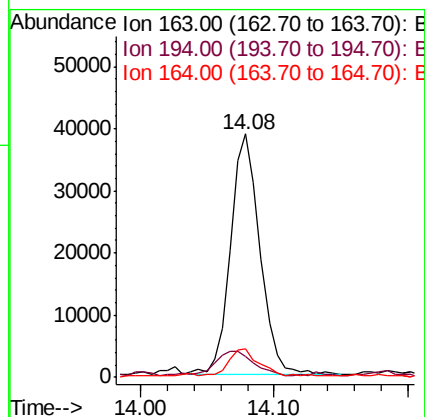
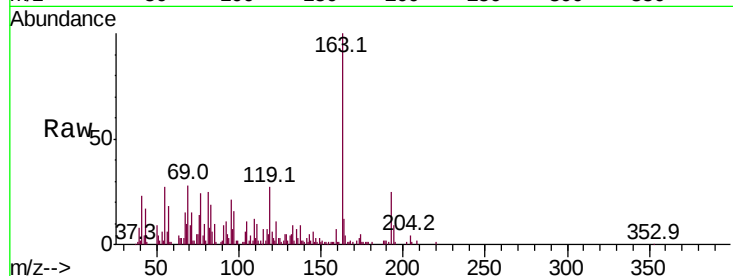




#50
Dimethylphthalate
Concen: 4.222 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG045238.D
Acq: 4 May 2020 17:52

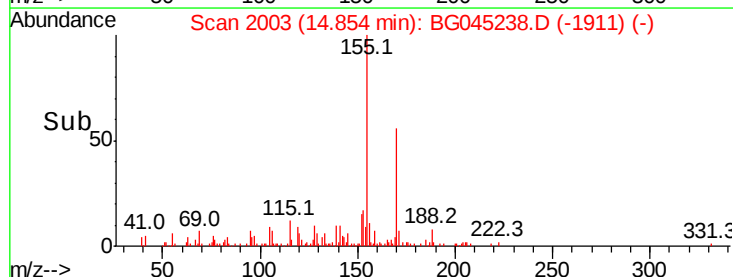
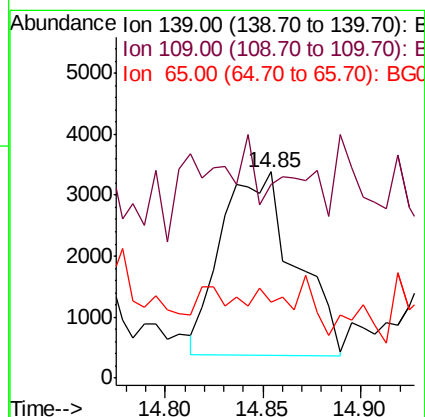
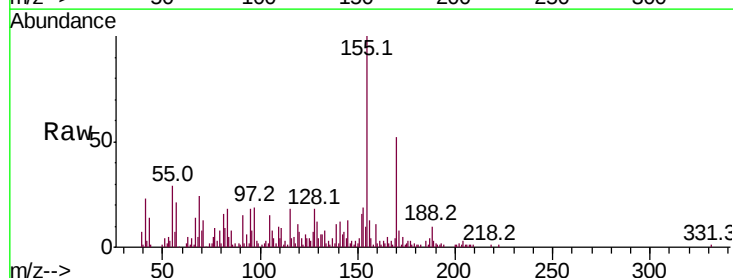
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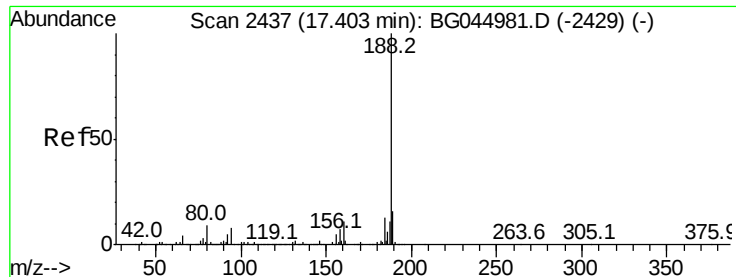
Tot Ion:163 Resp: 59646
Ion Ratio Lower Upper
163 100
194 8.6 3.5 5.3#
164 11.7 8.2 12.4



#56
4-Nitrophenol
Concen: 2.914 ng
RT: 14.85 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BG045238.D
Acq: 4 May 2020 17:52

Tgt Ion:139 Resp: 7830
Ion Ratio Lower Upper
139 100
109 94.1 73.6 113.6
65 36.9 81.2 121.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

Instrument :

BNA_G

ClientSampleId :

ROLLOFF-201009

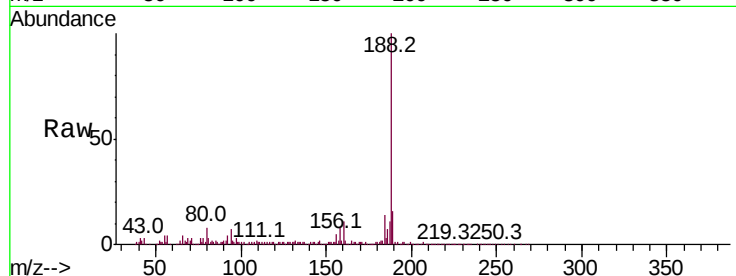
Tot Ion:188 Resp: 390206

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

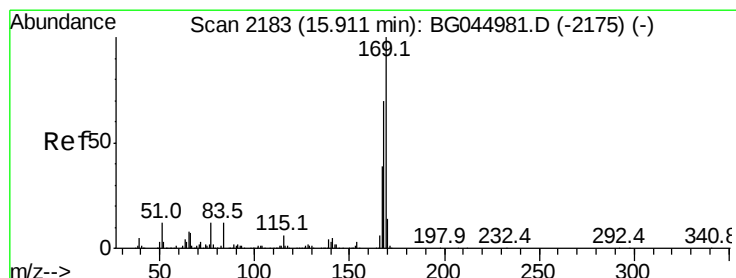
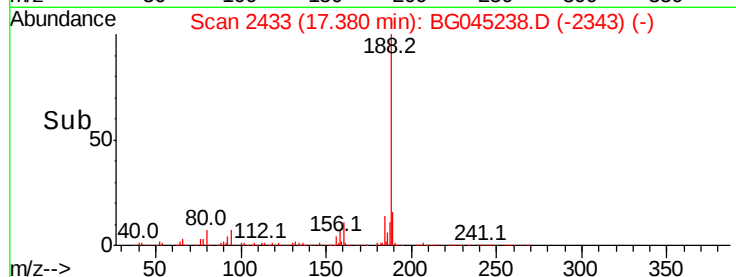
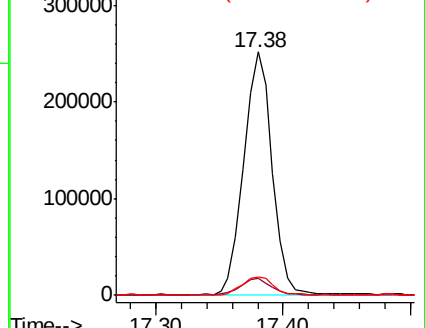
80 7.7 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

n-Nitrosodiphenylamine

Concen: 2.991 ng

RT: 15.89 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

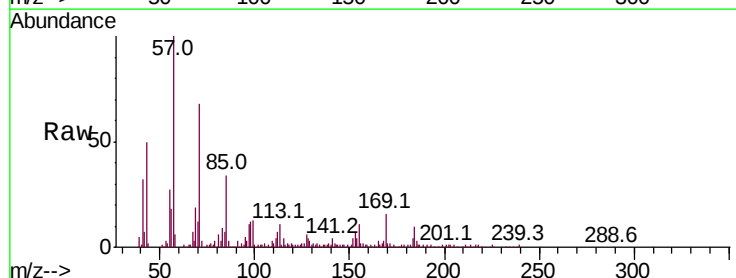
Tgt Ion:169 Resp: 33533

Ion Ratio Lower Upper

169 100

168 18.5 55.8 83.8#

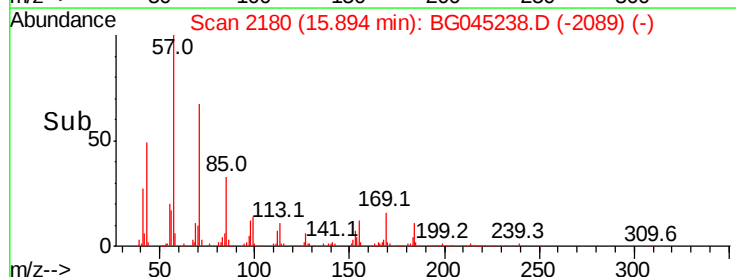
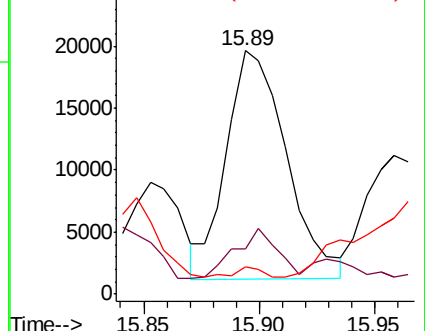
167 11.0 30.8 46.2#

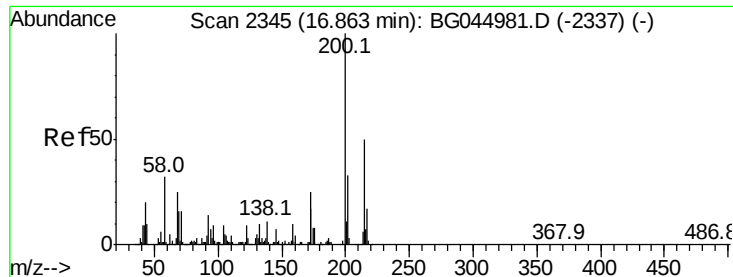


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.83 min Scan# 2340

Delta R.T. -0.01 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

Instrument :

BNA_G

ClientSampleId :

ROLLOFF-201009

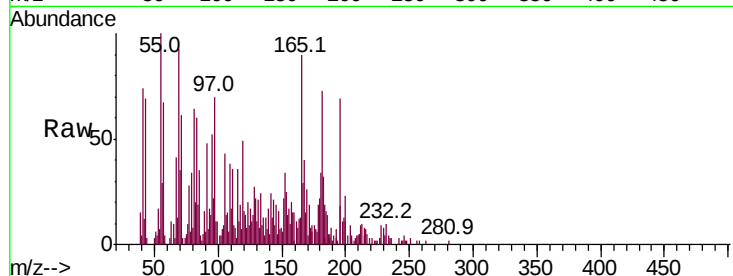
Tot Ion:200 Resp: 1247

Ion Ratio Lower Upper

200 100

173 74.9 4.5 44.5#

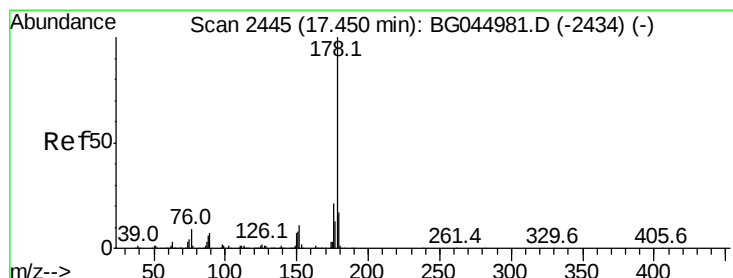
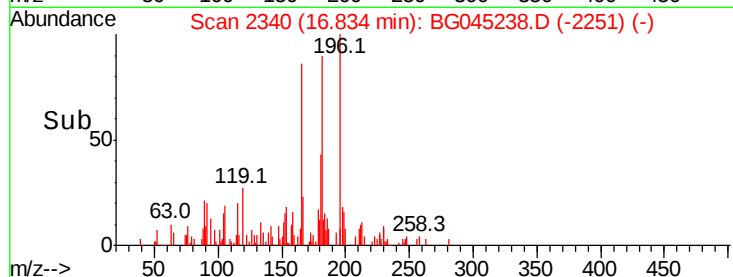
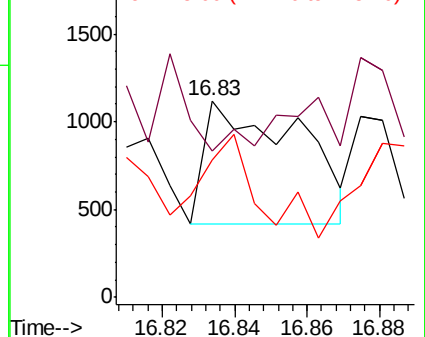
215 69.8 30.0 70.0



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#71

Phenanthrene

Concen: 3.248 ng

RT: 17.42 min Scan# 2440

Delta R.T. 0.00 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

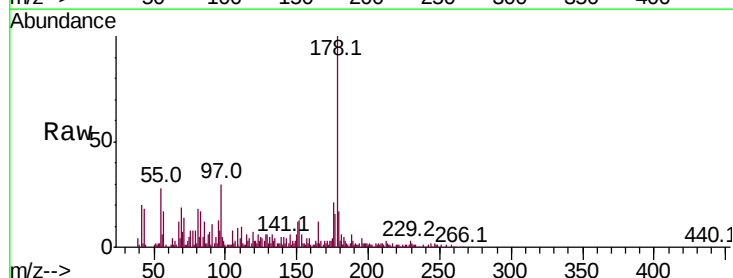
Tgt Ion:178 Resp: 65135

Ion Ratio Lower Upper

178 100

176 21.2 16.8 25.2

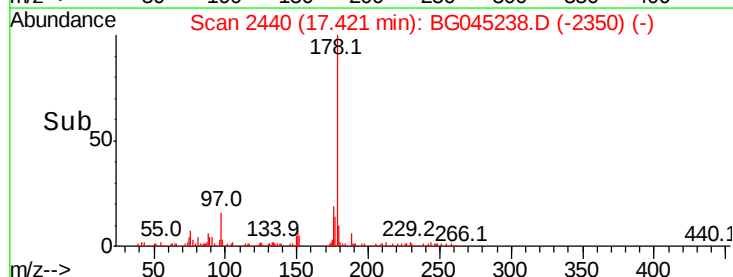
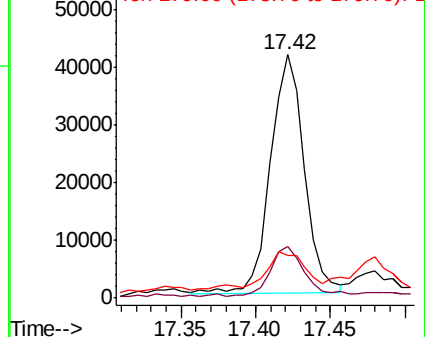
179 17.4 13.2 19.8

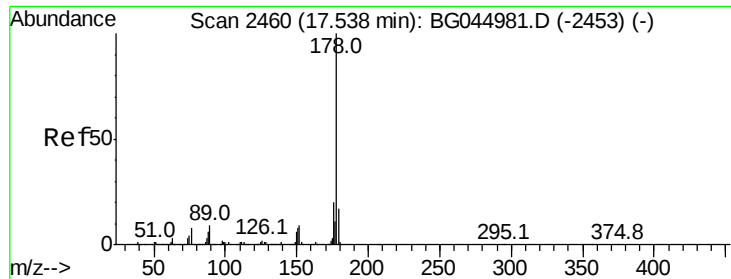


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.238 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.09 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

Instrument :

BNA_G

ClientSampleId :

ROLLOFF-201009

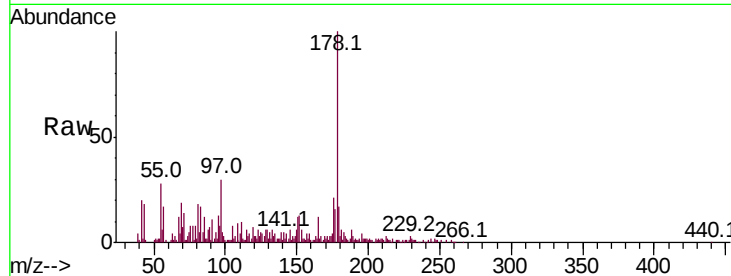
Tot Ion:178 Resp: 65135

Ion Ratio Lower Upper

178 100

176 21.2 16.0 24.0

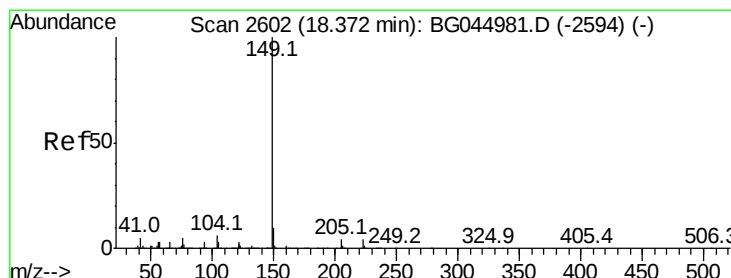
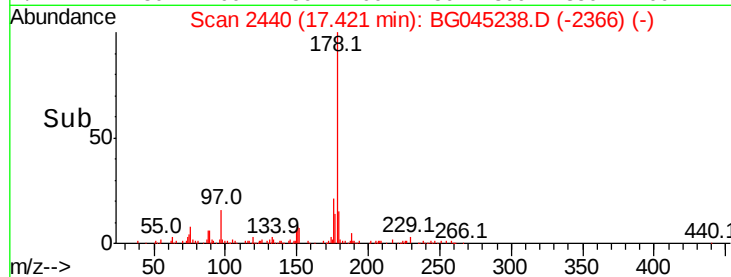
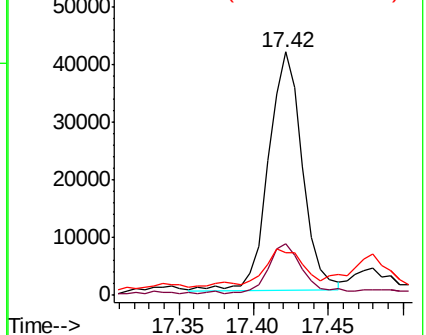
179 17.4 13.6 20.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2597

Delta R.T. 0.00 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

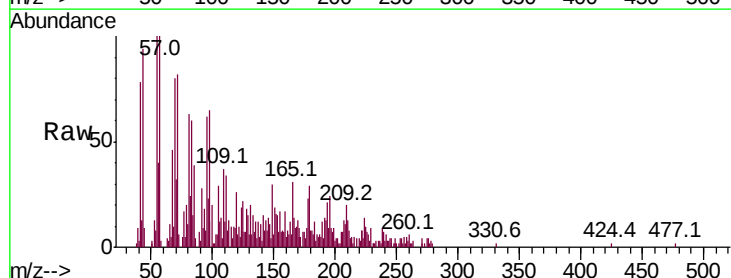
Tgt Ion:149 Resp: 4290

Ion Ratio Lower Upper

149 100

150 19.6 8.2 12.2#

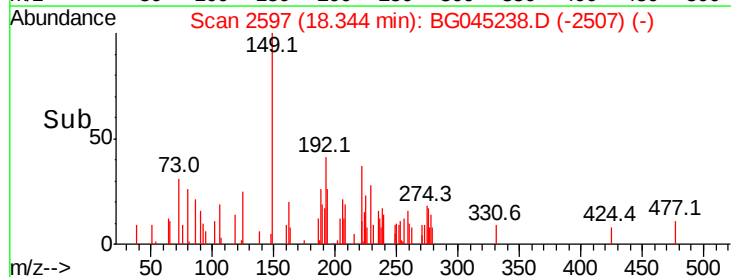
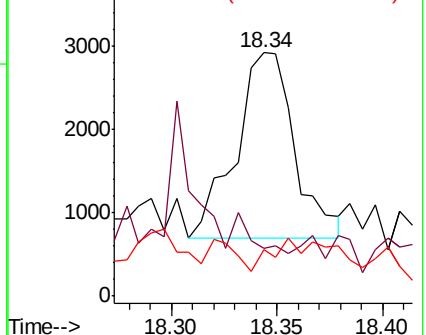
104 19.4 4.8 7.2#

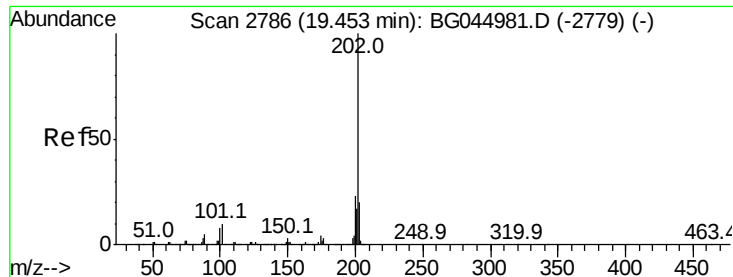


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.43 min Scan# 2782

Delta R.T. -0.01 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

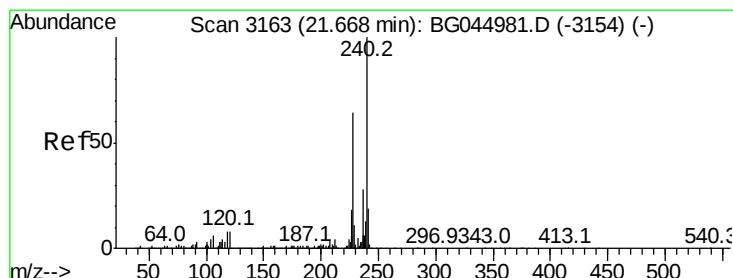
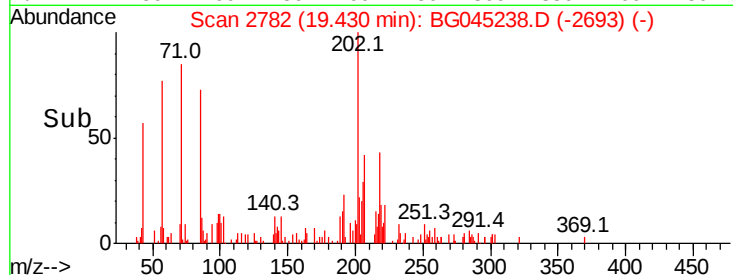
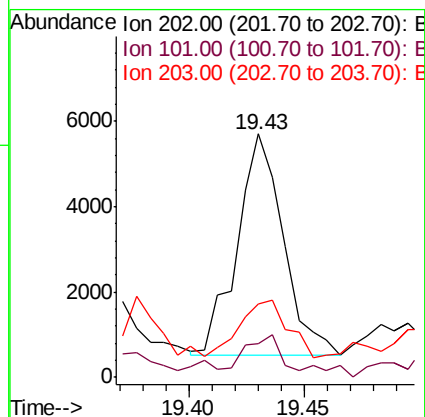
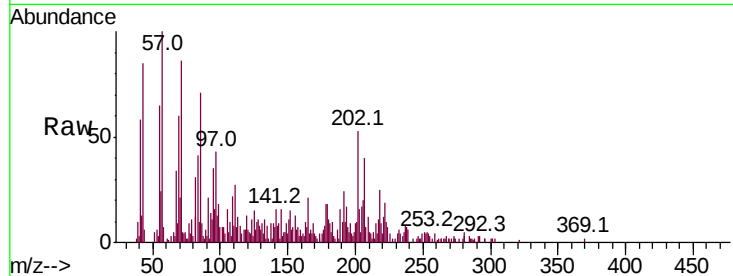
Instrument :

BNA_G

ClientSampleId :

ROLLOFF-201009

Tot Ion:	202	Resp:	7214
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	29.6
203	30.2	0.0	39.7



#76

Chrysene-d12

Concen: 20.000 ng

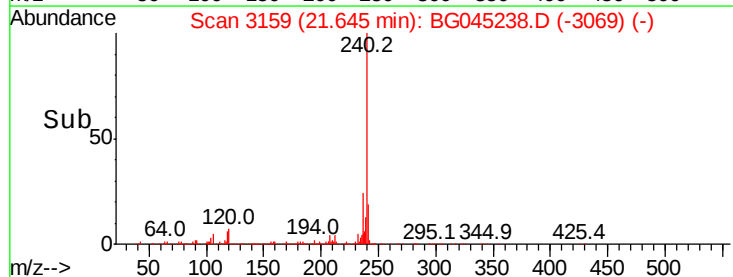
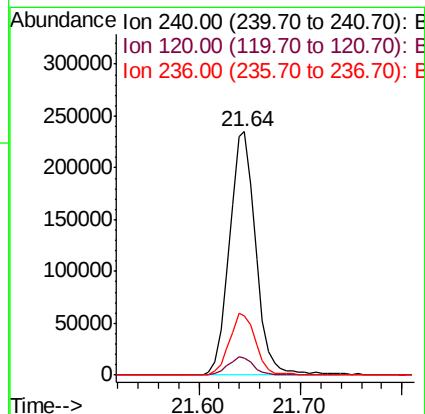
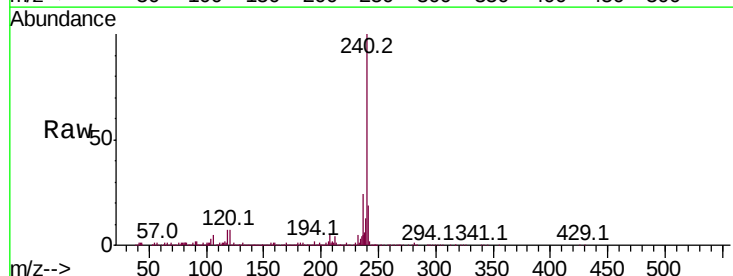
RT: 21.64 min Scan# 3159

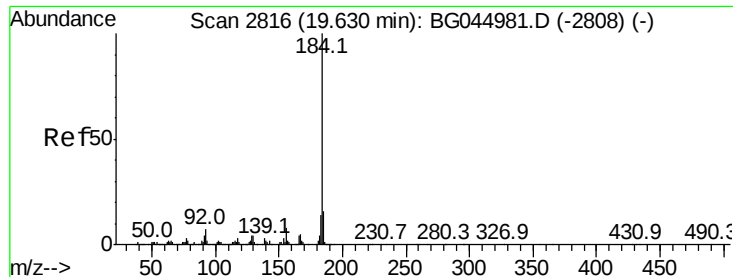
Delta R.T. 0.00 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

Tgt Ion:	240	Resp:	422268
Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.6	10.0
236	24.2	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.99 min Scan# 2878

Delta R.T. 0.39 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

Instrument :

BNA_G

ClientSampleId :

ROLLOFF-201009

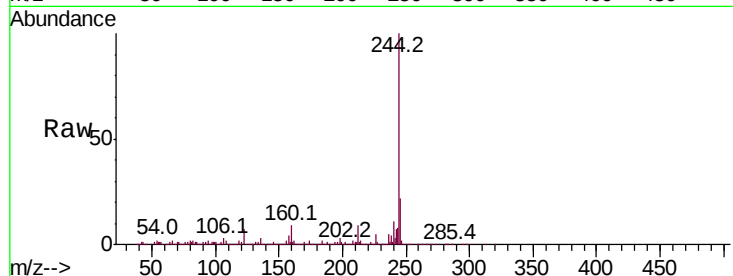
Tot Ion:184 Resp: 22945

Ion Ratio Lower Upper

184 100

185 17.7 12.6 19.0

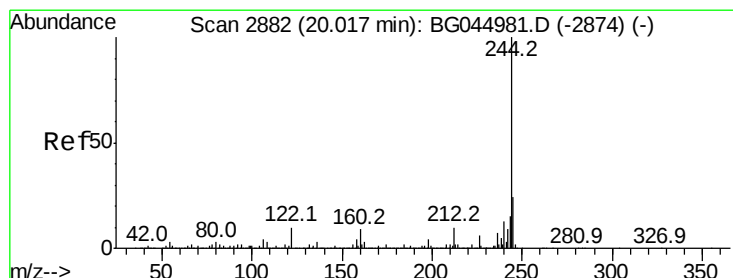
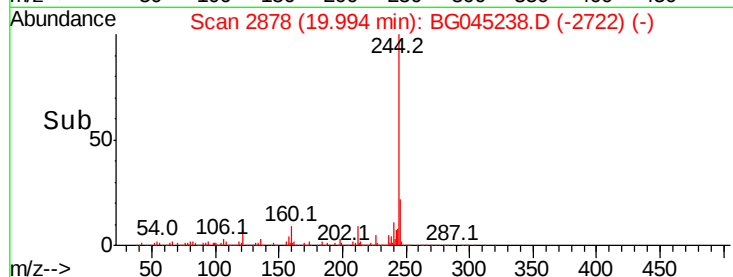
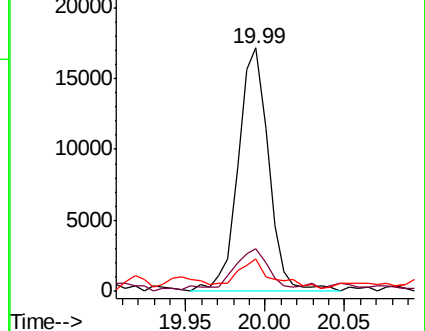
183 13.3 11.3 16.9



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: 64.089 ng

RT: 19.99 min Scan# 2878

Delta R.T. 0.00 min

Lab File: BG045238.D

Acq: 4 May 2020 17:52

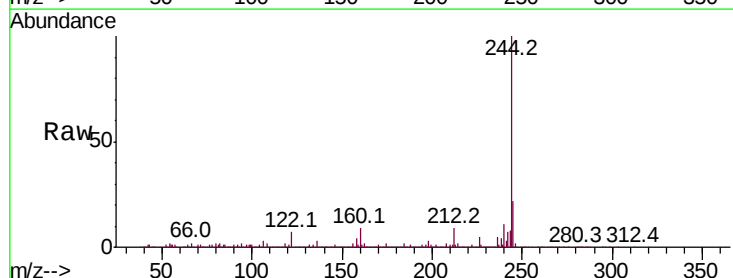
Tgt Ion:244 Resp: 1241655

Ion Ratio Lower Upper

244 100

212 8.8 7.9 11.9

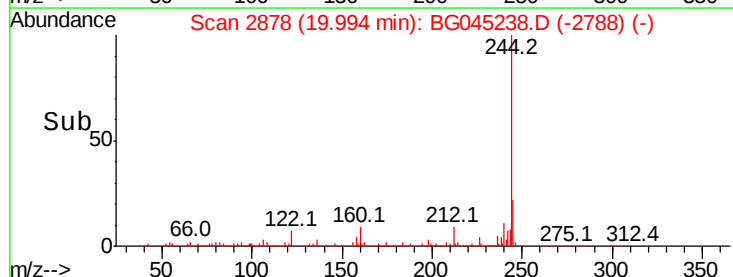
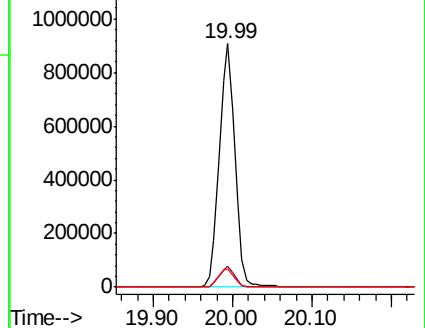
122 7.4 7.7 11.5#

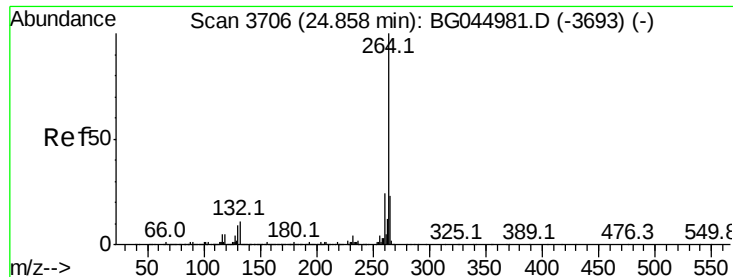


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.81 min Scan# 3698
 Delta R.T. -0.01 min
 Lab File: BG045238.D
 Acq: 4 May 2020 17:52

Instrument :
 BNA_G
 ClientSampleId :
 ROLLOFF-201009

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	21.7	19.0	28.4

