

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044779.D
 Acq On : 13 Mar 2020 22:53
 Operator : CG/JU
 Sample : L1762-13 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 00:21:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

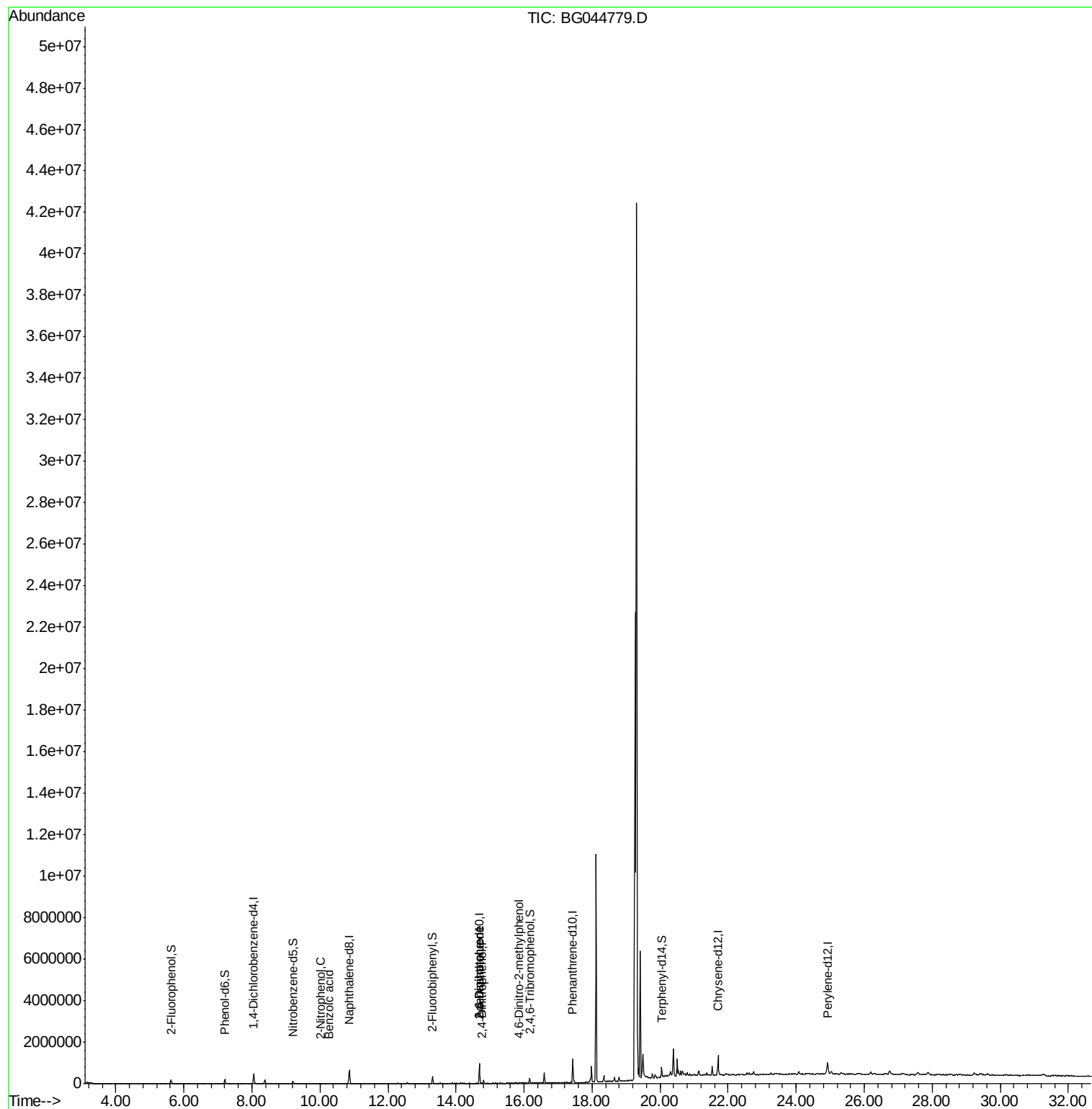
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	134808	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	559269	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	356289	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	698503	20.00	ng	0.00
76) Chrysene-d12	21.70	240	536238	20.00	ng	0.00
87) Perylene-d12	24.93	264	618227	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	88681	10.24	ng	0.00
7) Phenol-d6	7.20	99	131256	10.43	ng	0.00
23) Nitrobenzene-d5	9.21	82	87901	6.90	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	47431	10.17	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	192943	7.75	ng	0.00
79) Terphenyl-d14	20.05	244	240997	8.41	ng	0.00
Target Compounds						
9) Benzaldehyde	7.19	77	218	Below Cal	Qvalue #	6
26) 2-Nitrophenol	10.02	139	103	5.535 ng	#	28
32) Benzoic acid	10.26	122	58	9.677 ng	#	1
51) 2,6-Dinitrotoluene	14.68	165	48154	8.419 ng	#	21
54) 2,4-Dinitrophenol	14.77	184	56	8.340 ng	#	65
57) 2,4-Dinitrotoluene	14.68	165	48154	6.138 ng	#	18
65) 4,6-Dinitro-2-methylphenol	15.84	198	71	7.746 ng	#	21

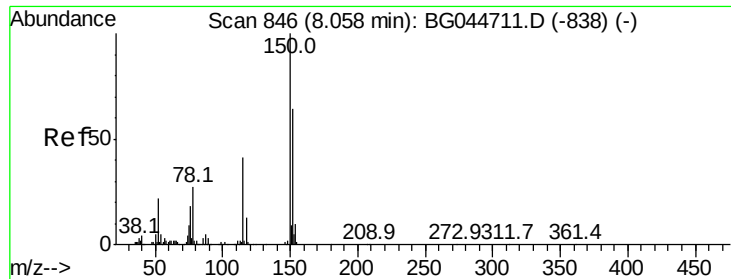
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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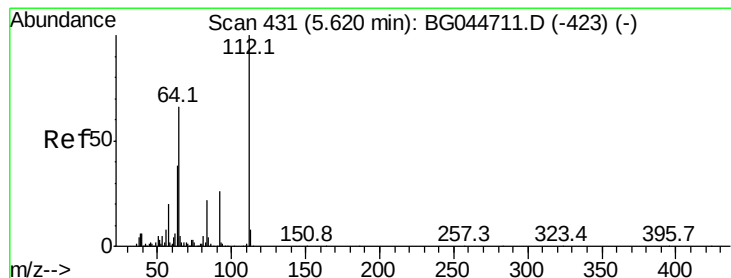
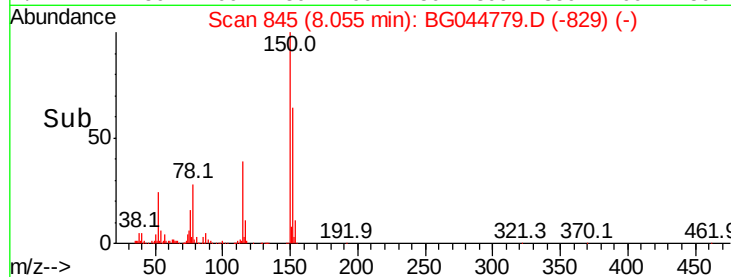
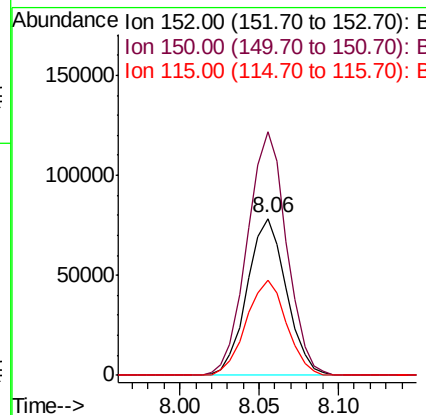
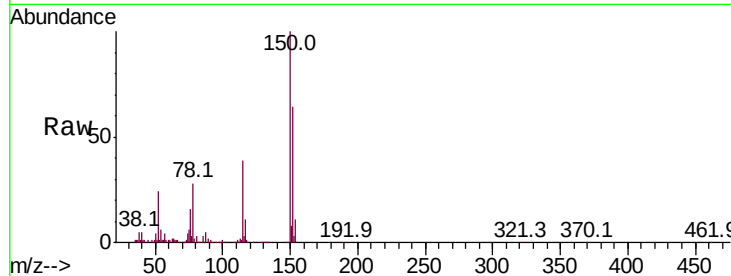


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044779.D
Acq: 13 Mar 2020 22:53

Instrument :
BNA_G
ClientSampleId :

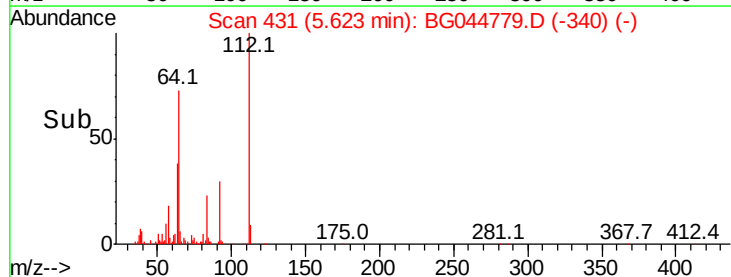
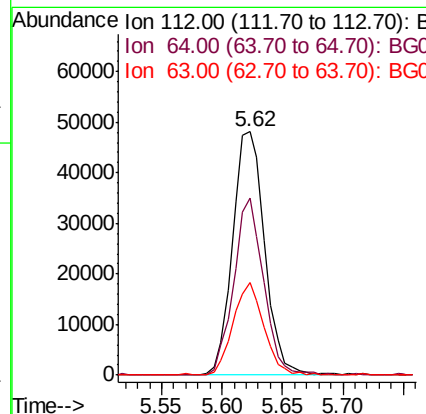
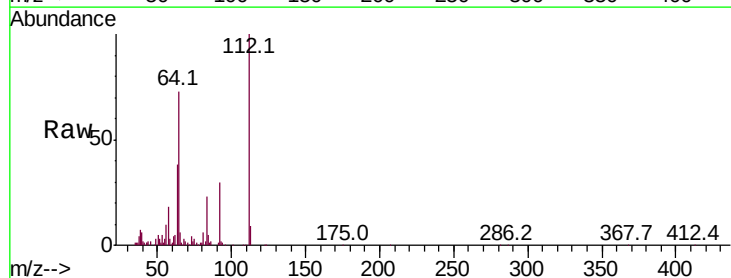
Tot Ion:152 Resp: 134808
Ion Ratio Lower Upper
152 100
150 155.5 125.3 187.9
115 60.7 51.7 77.5

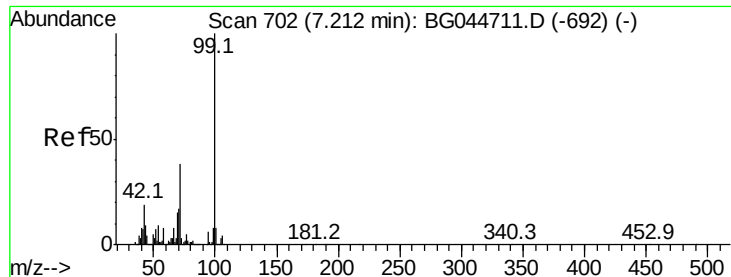


#5

2-Fluorophenol
Concen: 10.240 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044779.D
Acq: 13 Mar 2020 22:53

Tgt Ion:112 Resp: 88681
Ion Ratio Lower Upper
112 100
64 72.7 52.6 78.8
63 37.8 30.2 45.4





#7

Phenol-d6

Concen: 10.432 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

Instrument :

BNA_G

ClientSampleId :

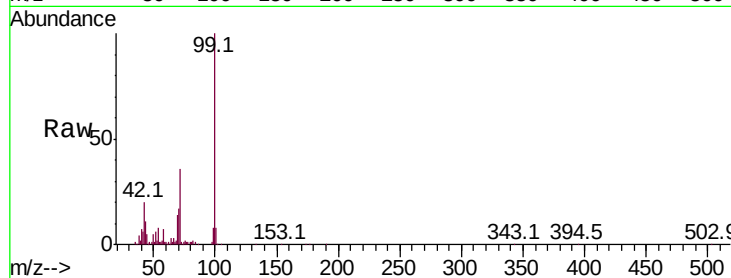
Tot Ion: 99 Resp: 131256

Ion Ratio Lower Upper

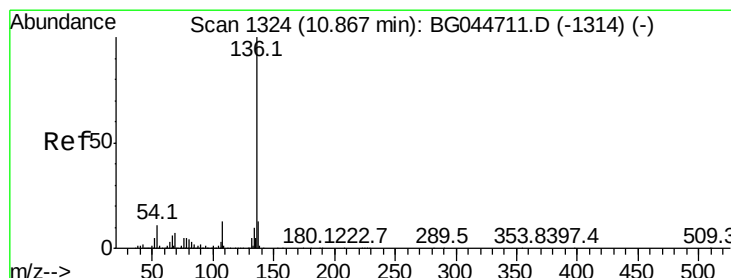
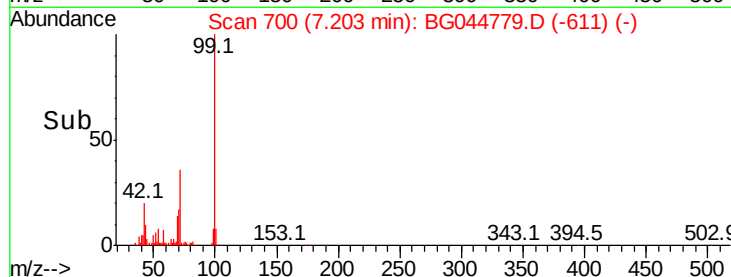
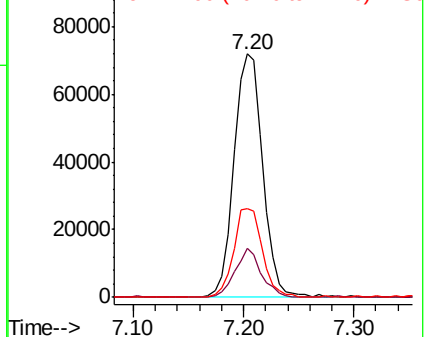
99 100

42 20.2 15.4 23.0

71 36.2 30.2 45.4



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: 10.86 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

Tgt Ion: 136 Resp: 559269

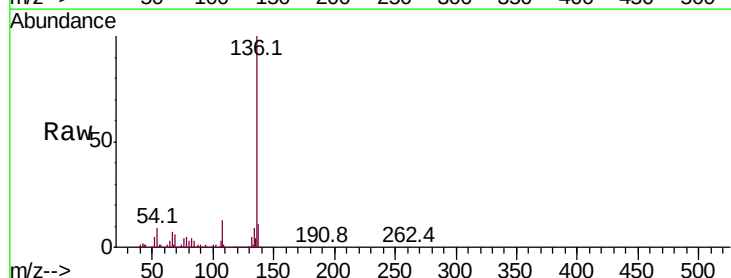
Ion Ratio Lower Upper

136 100

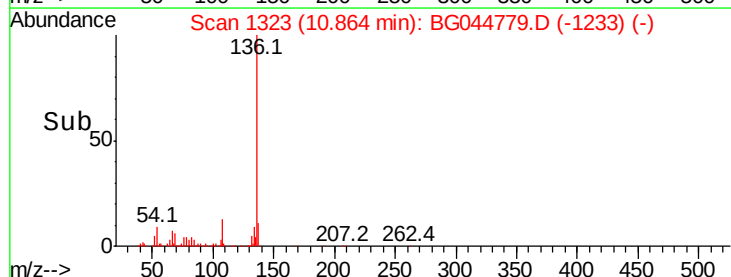
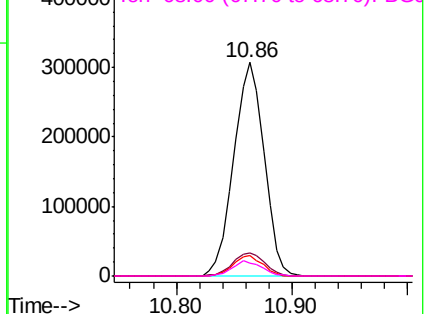
137 10.7 10.7 16.1#

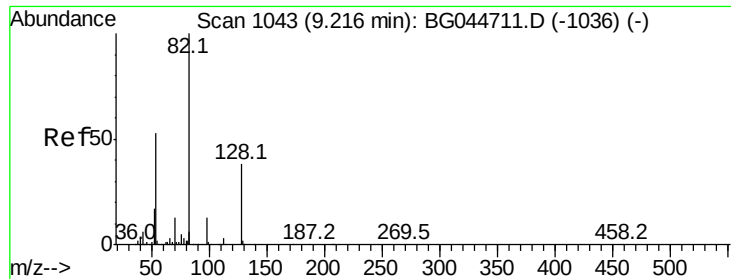
54 9.5 9.0 13.4

68 6.0 5.9 8.9



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

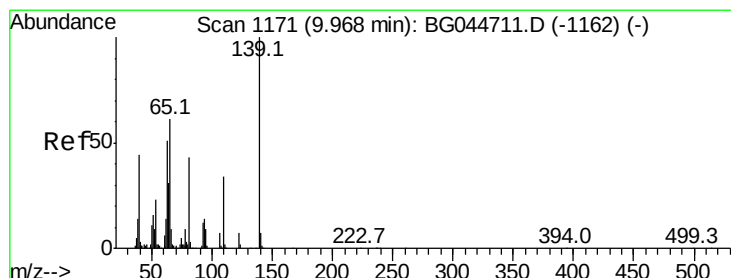
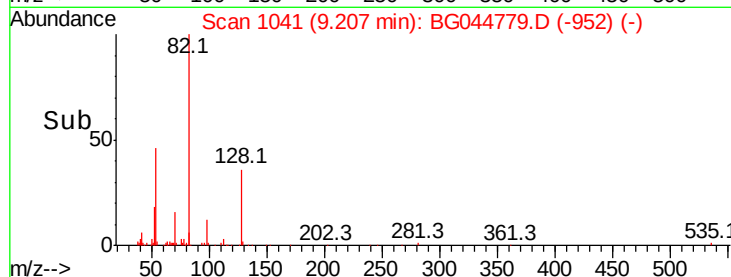
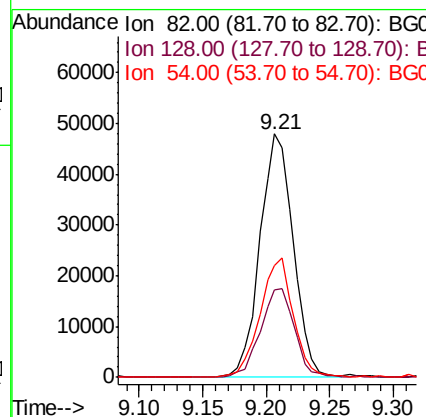
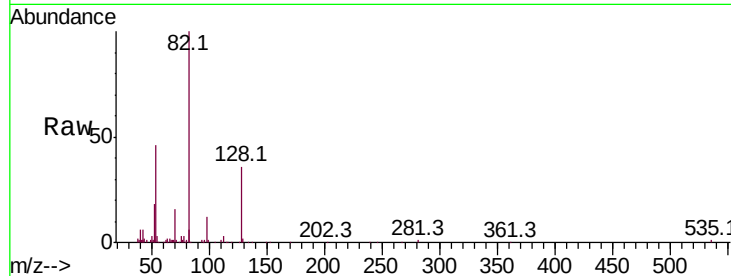




#23
Nitrobenzene-d5
Concen: 6.897 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044779.D
Acq: 13 Mar 2020 22:53

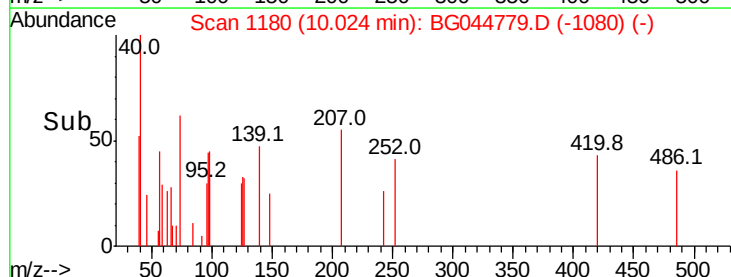
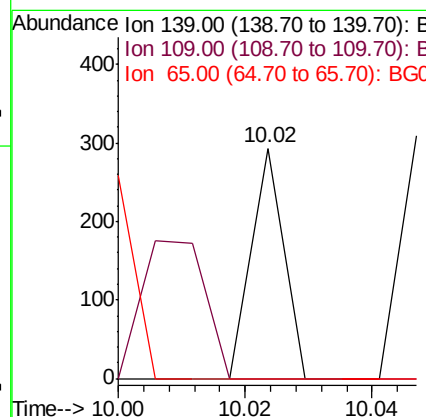
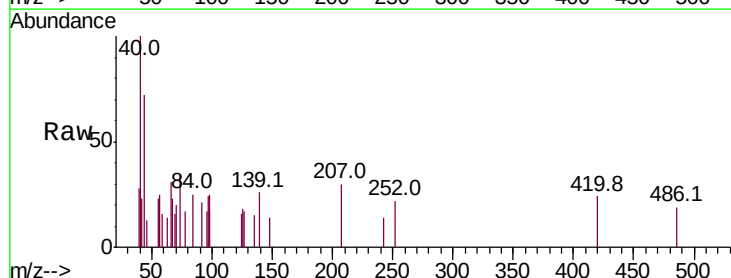
Instrument :
BNA_G
ClientSampleId :

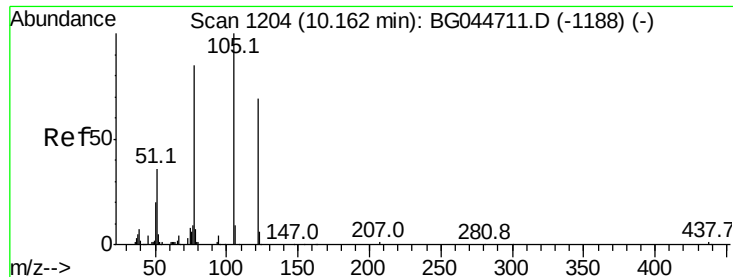
Tot Ion: 82 Resp: 87901
Ion Ratio Lower Upper
82 100
128 36.2 30.2 45.2
54 45.8 41.8 62.8



#26
2-Nitrophenol
Concen: 5.535 ng
RT: 10.02 min Scan# 1180
Delta R.T. 0.06 min
Lab File: BG044779.D
Acq: 13 Mar 2020 22:53

Tgt Ion: 139 Resp: 103
Ion Ratio Lower Upper
139 100
109 0.0 27.0 40.4#
65 0.0 48.6 73.0#





#32

Benzoic acid

Concen: 9.677 ng

RT: 10.26 min Scan# 1220

Delta R.T. 0.10 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

Instrument :

BNA_G

ClientSampleId :

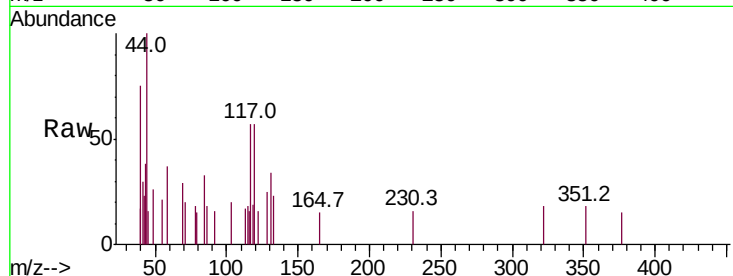
Tot Ion:122 Resp: 58

Ion Ratio Lower Upper

122 100

105 0.0 119.0 159.0#

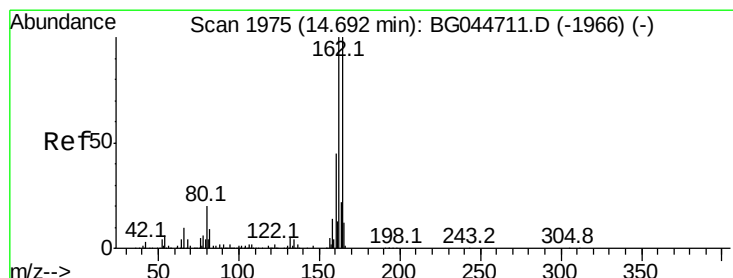
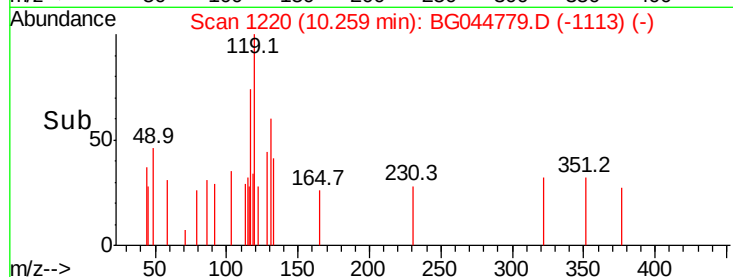
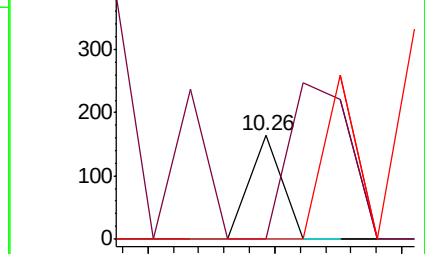
77 0.0 96.4 136.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

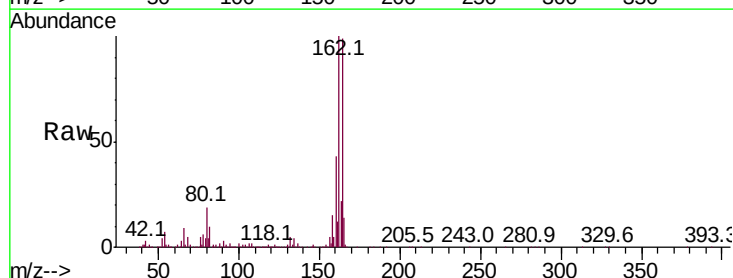
Tgt Ion:164 Resp: 356289

Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.4

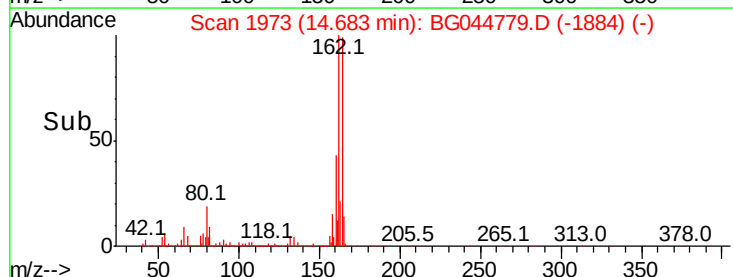
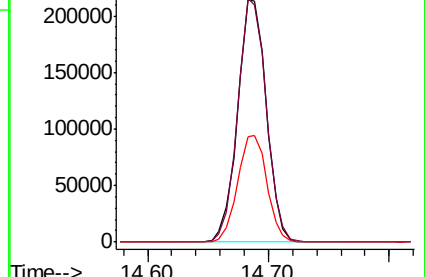
160 43.4 36.2 54.2

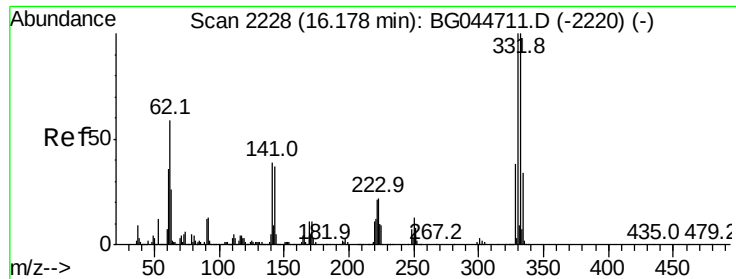


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 10.167 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

Instrument :

BNA_G

ClientSampleId :

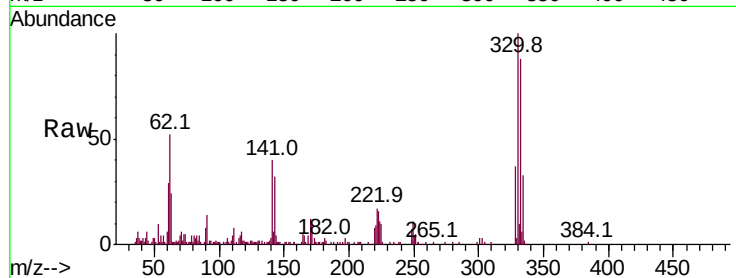
Tot Ion:330 Resp: 47431

Ion Ratio Lower Upper

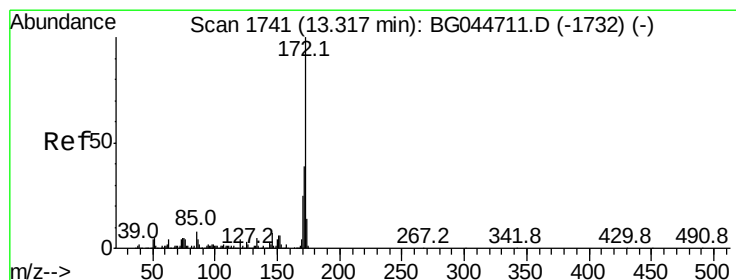
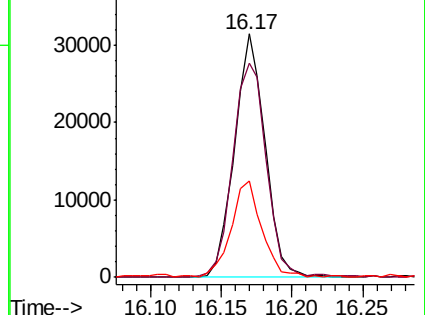
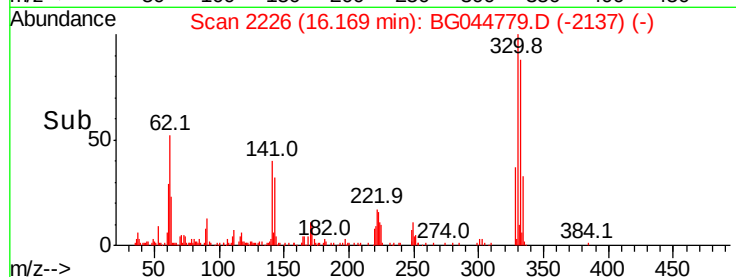
330 100

332 97.4 77.5 116.3

141 39.8 31.7 47.5



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: 7.755 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

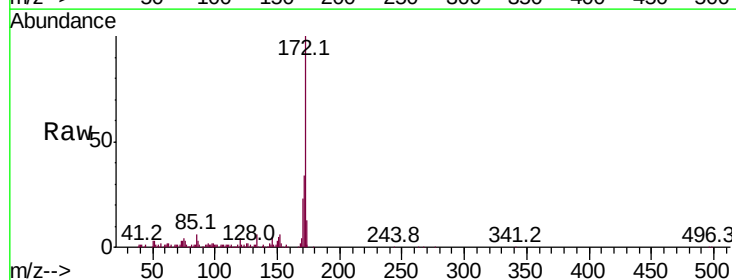
Tgt Ion:172 Resp: 192943

Ion Ratio Lower Upper

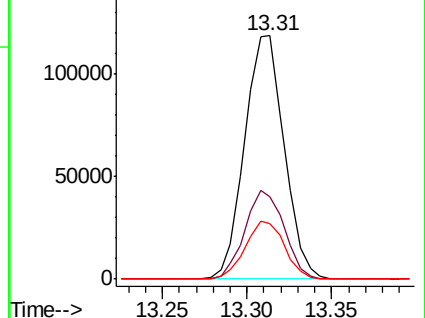
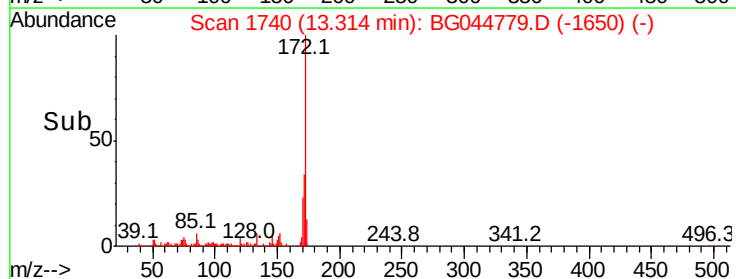
172 100

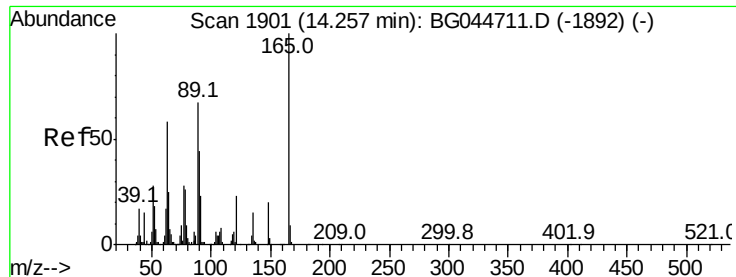
171 33.7 30.8 46.2

170 23.0 20.0 30.0



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





#51

2,6-Dinitrotoluene

Concen: 8.419 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.43 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

Instrument :

BNA_G

ClientSampleId :

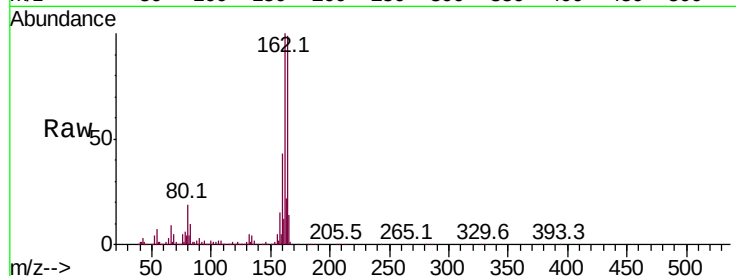
Tot Ion:165 Resp: 48154

Ion Ratio Lower Upper

165 100

63 2.2 48.9 73.3#

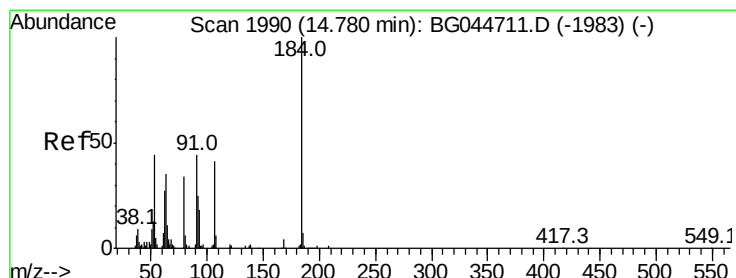
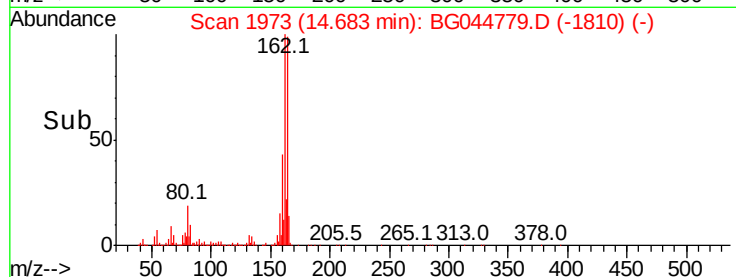
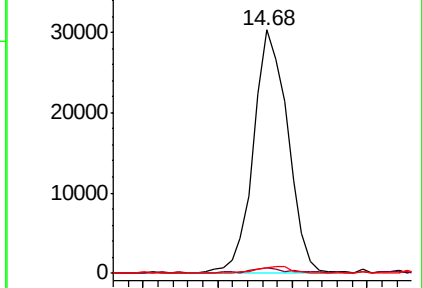
89 2.2 53.8 80.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#54

2,4-Dinitrophenol

Concen: 8.340 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

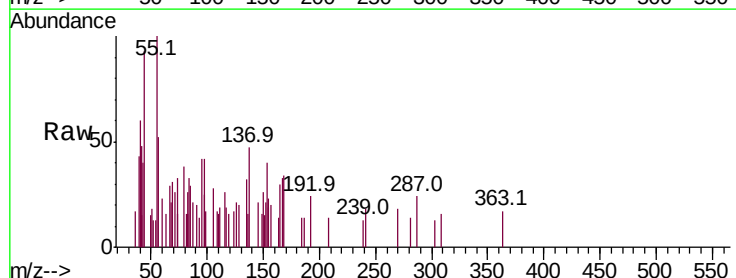
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 114.6 49.0 73.6#

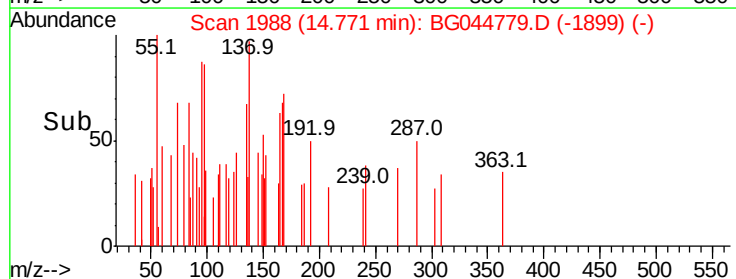
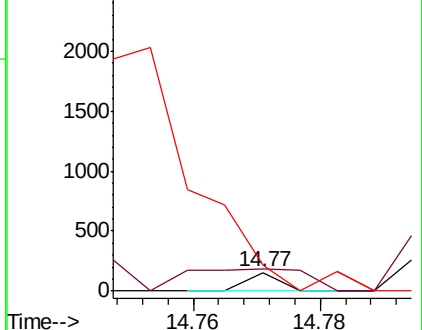
154 136.1 94.5 141.7

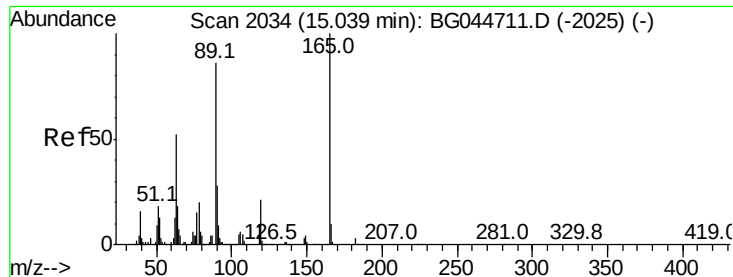


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 6.138 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.36 min

Lab File: BG044779.D

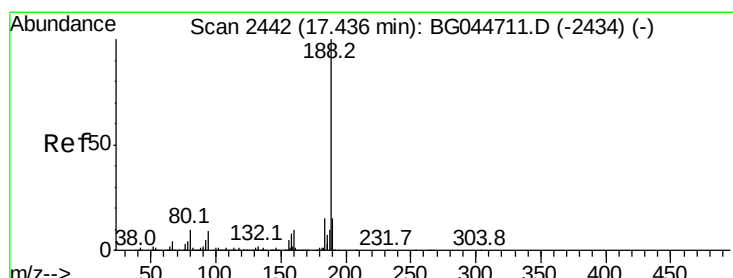
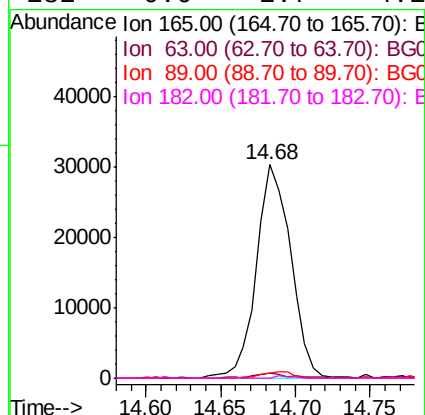
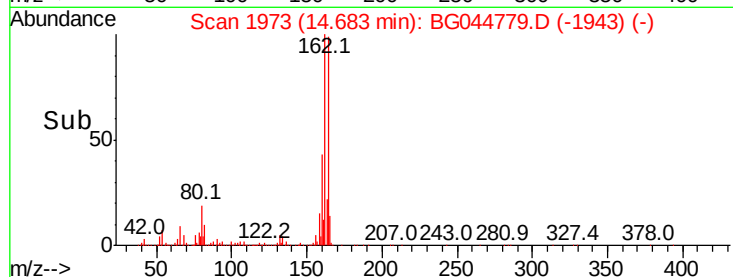
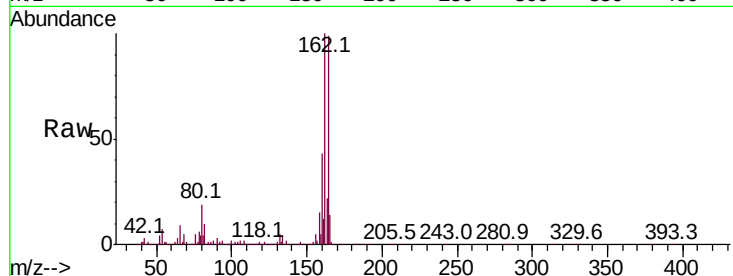
Acq: 13 Mar 2020 22:53

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	48154
Ion Ratio	Lower	Upper
165	100	
63	2.2	41.5 62.3#
89	2.2	69.0 103.4#
182	0.0	2.7 4.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

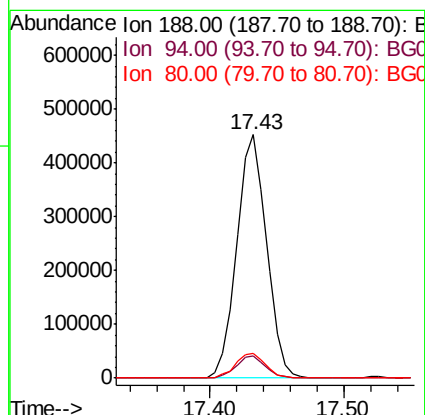
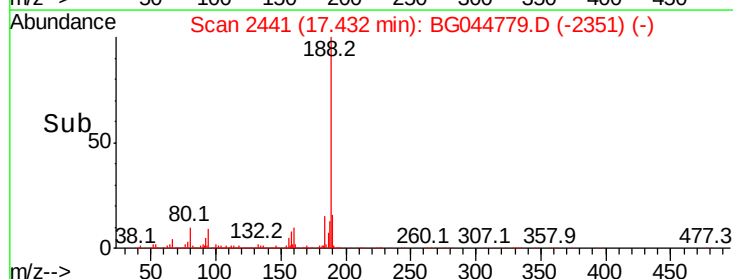
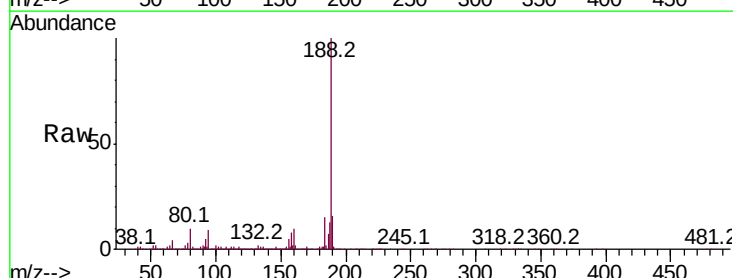
RT: 17.43 min Scan# 2441

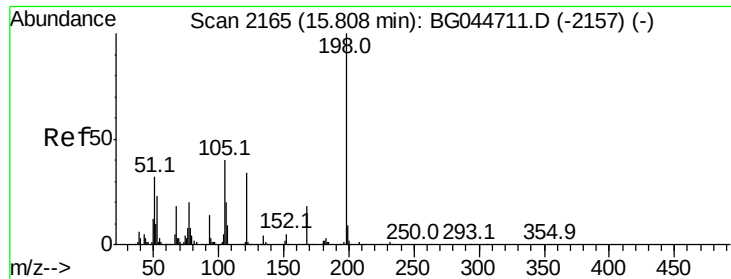
Delta R.T. -0.00 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

Tgt Ion:188	Resp:	698503
Ion Ratio	Lower	Upper
188	100	
94	9.1	7.0 10.6
80	10.1	8.4 12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.746 ng

RT: 15.84 min Scan# 2170

Delta R.T. 0.03 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

Instrument :

BNA_G

ClientSampleId :

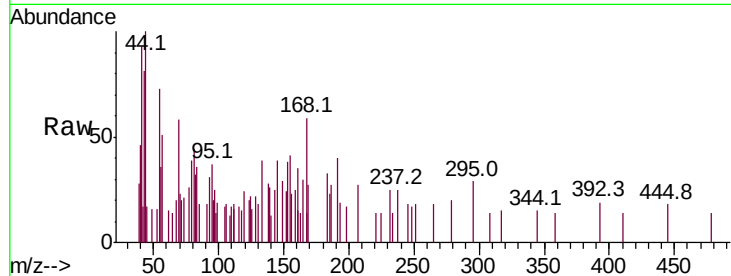
Tot Ion:198 Resp: 71

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

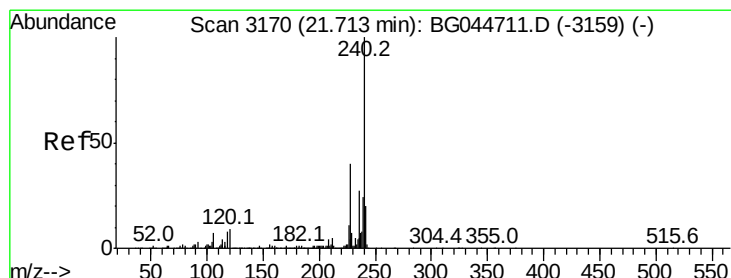
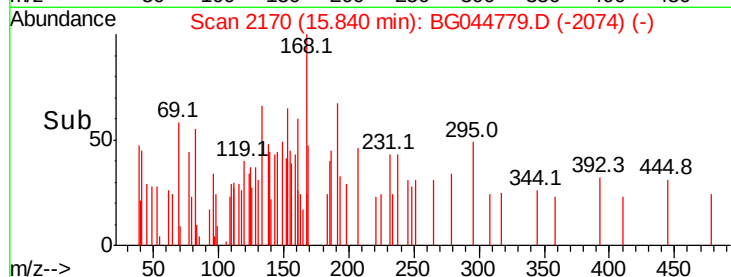
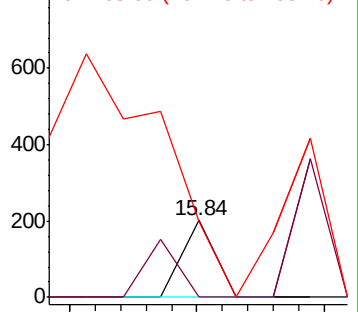
105 99.5 21.3 61.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

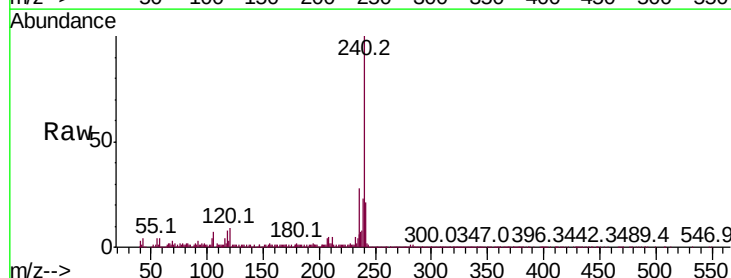
Tgt Ion:240 Resp: 536238

Ion Ratio Lower Upper

240 100

120 8.6 6.9 10.3

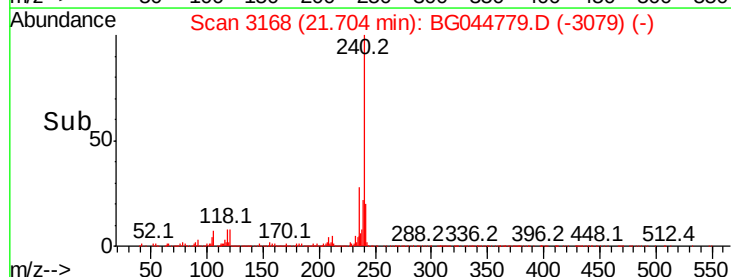
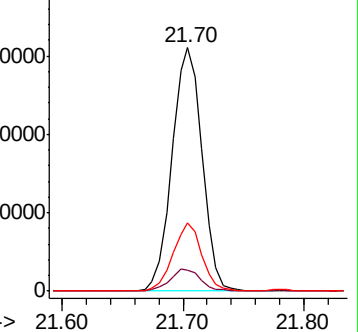
236 28.1 21.9 32.9

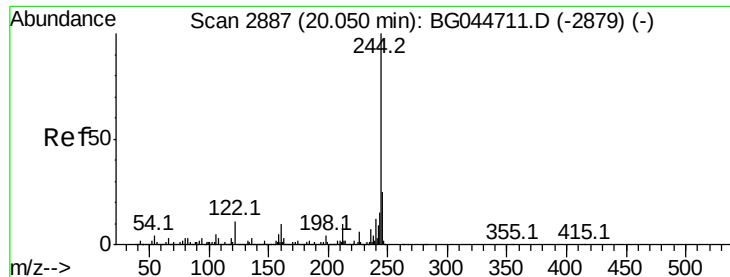


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 8.407 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

Instrument :

BNA_G

ClientSampleId :

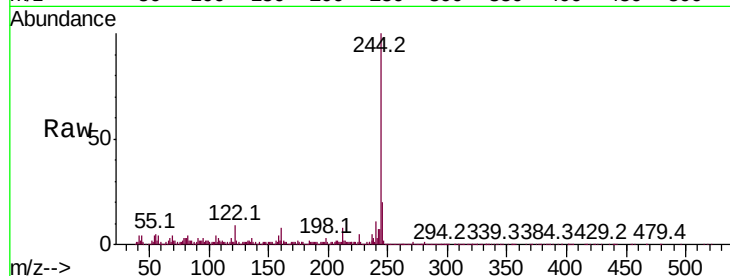
Tot Ion:244 Resp: 240997

Ion Ratio Lower Upper

244 100

212 8.4 8.4 12.6#

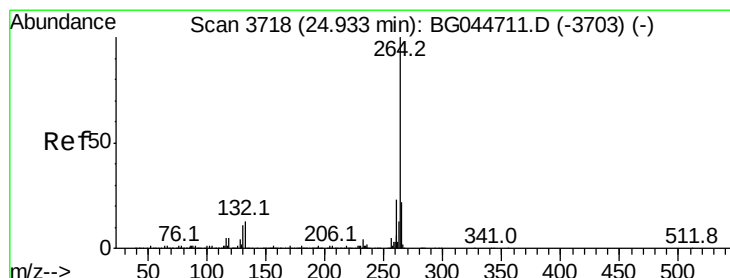
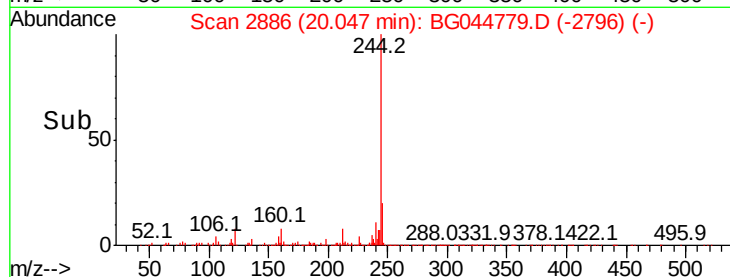
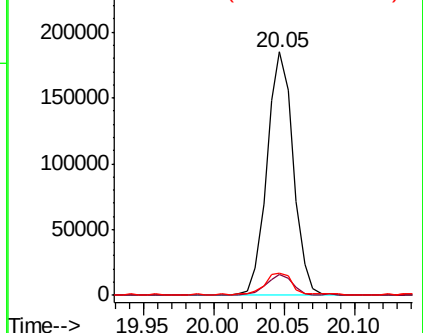
122 8.9 8.7 13.1



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

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.00 min

Lab File: BG044779.D

Acq: 13 Mar 2020 22:53

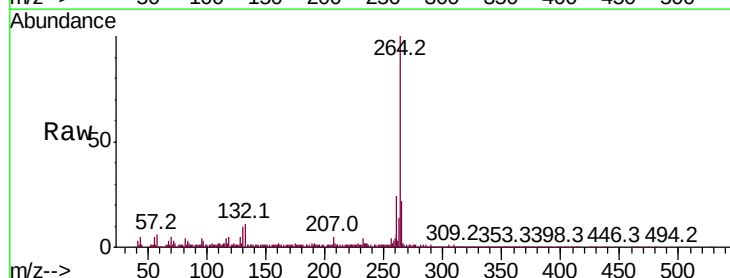
Tgt Ion:264 Resp: 618227

Ion Ratio Lower Upper

264 100

260 24.3 18.4 27.6

265 22.3 17.4 26.2



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

