

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044784.D
 Acq On : 14 Mar 2020 4:52
 Operator : CG/JU
 Sample : PB127427BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 05:40:27 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	8.05	152	130799	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	520970	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	351768	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	718710	20.00	ng	0.00
76) Chrysene-d12	21.70	240	592845	20.00	ng	-0.02
87) Perylene-d12	24.92	264	661371	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	418484	49.81	ng	0.00
7) Phenol-d6	7.20	99	355972	29.16	ng	0.00
23) Nitrobenzene-d5	9.21	82	1005651	84.71	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	571302	124.04	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	2009038	81.79	ng	0.00
79) Terphenyl-d14	20.05	244	2609157	82.32	ng	0.00

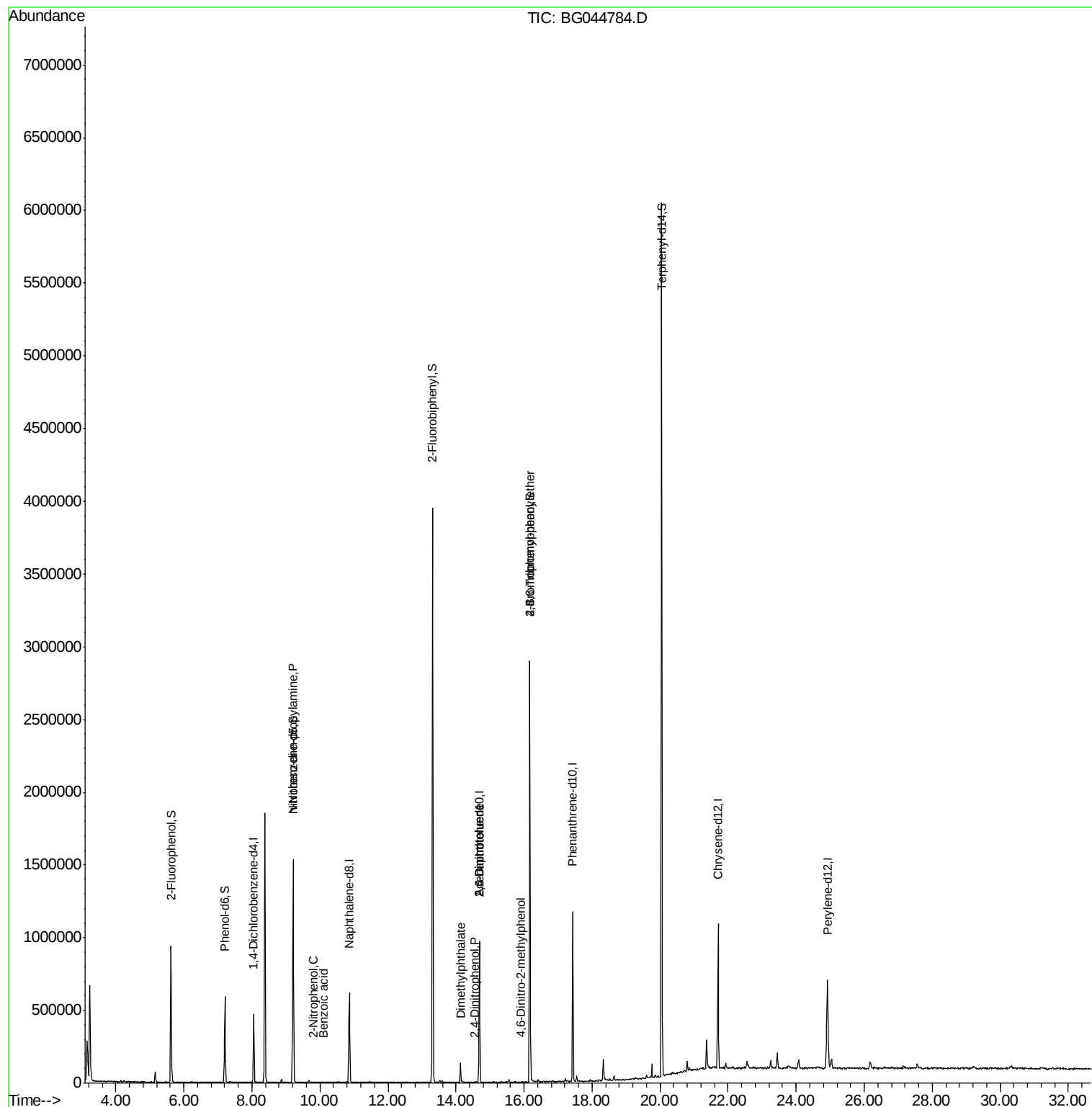
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	1653	Below Cal		# 20
19) n-Nitroso-di-n-propylamine	9.21	70	139799	16.218	ng	# 72
26) 2-Nitrophenol	9.81	139	56	5.527	ng	# 1
32) Benzoic acid	10.11	122	69	9.679	ng	# 1
50) Dimethylphthalate	14.13	163	87658	3.129	ng	97
51) 2,6-Dinitrotoluene	14.68	165	44236	7.833	ng	# 21
54) 2,4-Dinitrophenol	14.53	184	58	8.340	ng	# 2
57) 2,4-Dinitrotoluene	14.68	165	44236	5.711	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.90	198	87	7.750	ng	# 33
67) 4-Bromophenyl-phenylether	16.17	248	40742	4.534	ng	# 1

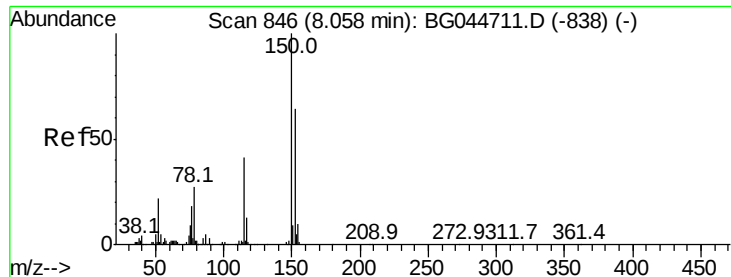
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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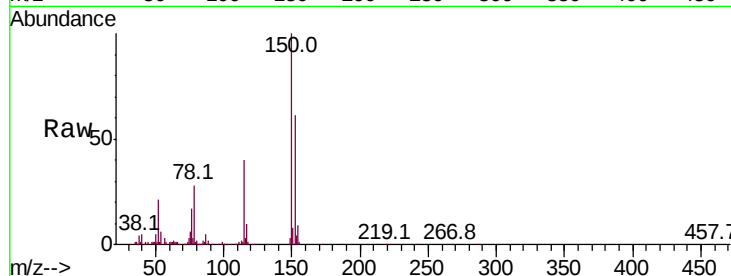


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044784.D
Acq: 14 Mar 2020 4:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.6	125.3	187.9
115	64.7	51.7	77.5

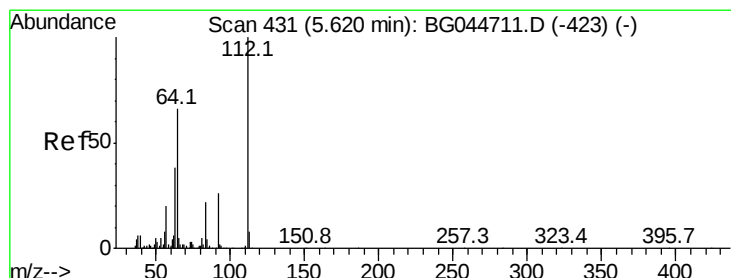
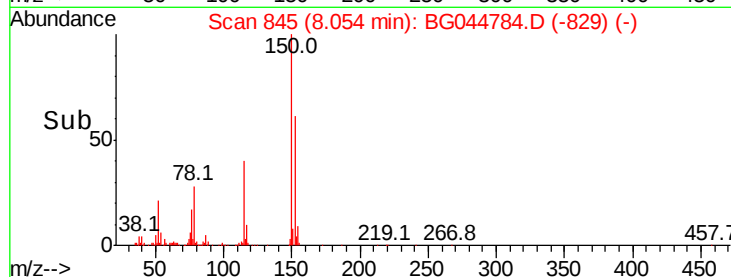
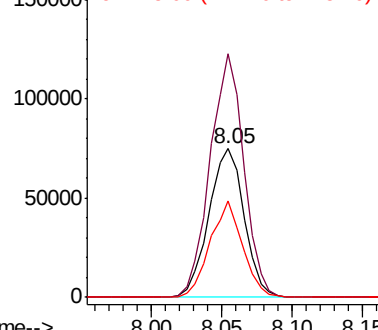


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

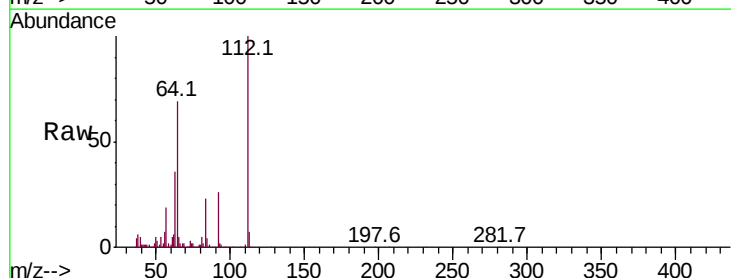
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.805 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044784.D
Acq: 14 Mar 2020 4:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	52.6	78.8
63	35.7	30.2	45.4

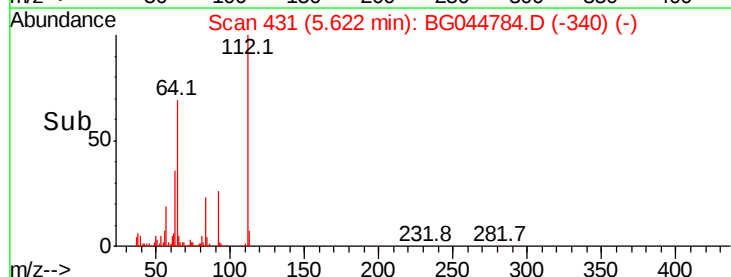
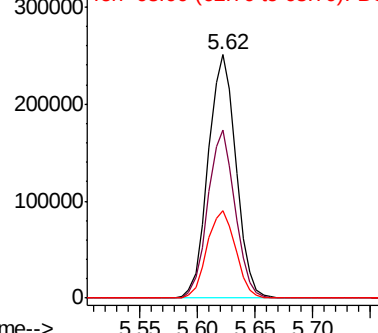


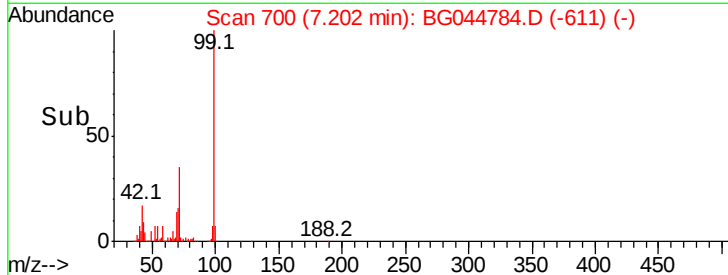
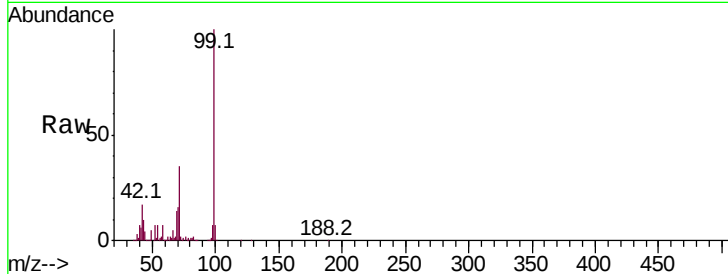
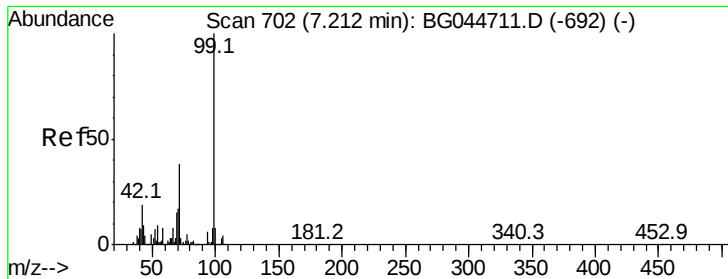
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 29.159 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

Instrument :

BNA_G

ClientSampleId :

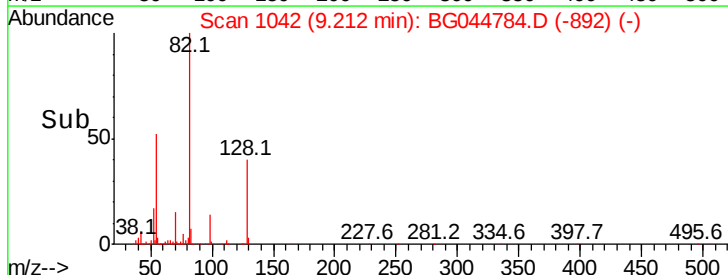
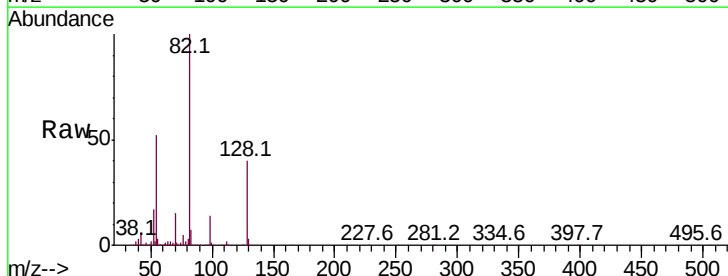
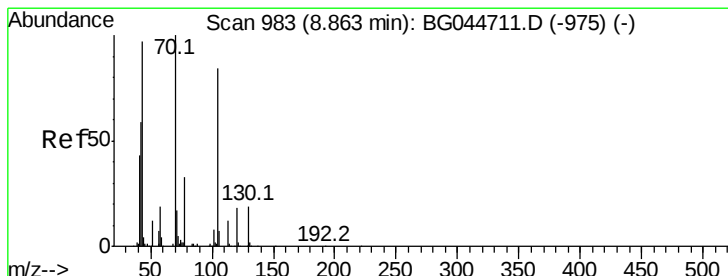
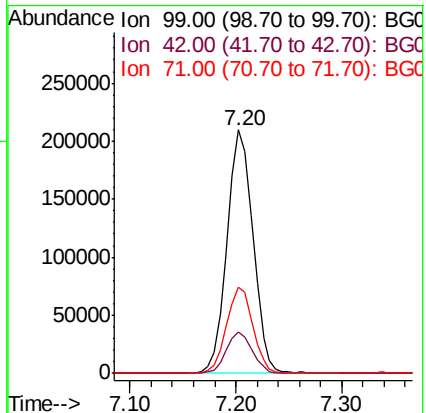
Tot Ion: 99 Resp: 355972

Ion Ratio Lower Upper

99 100

42 17.0 15.4 23.0

71 35.3 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 16.218 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

Tgt Ion: 70 Resp: 139799

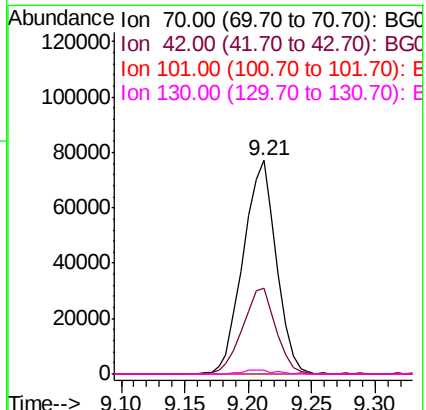
Ion Ratio Lower Upper

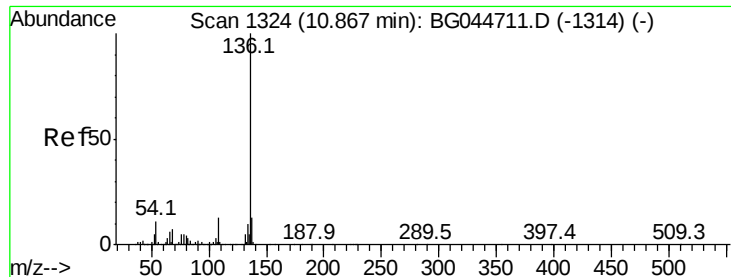
70 100

42 40.2 47.6 71.4#

101 0.0 6.5 9.7#

130 1.6 15.0 22.4#

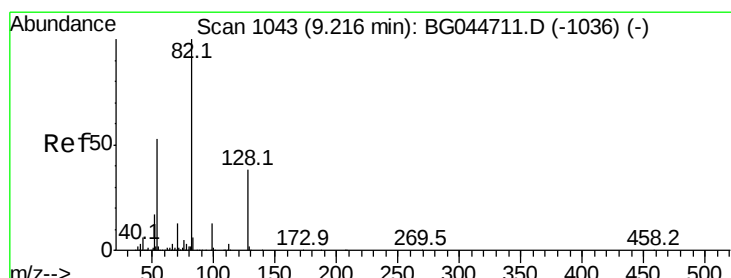
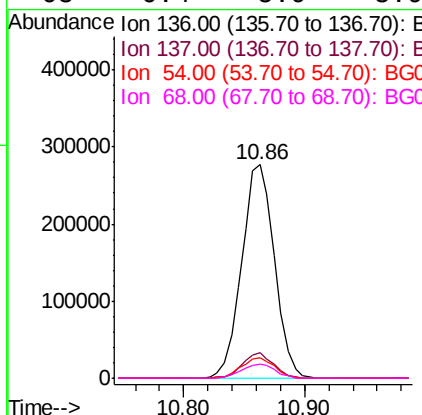
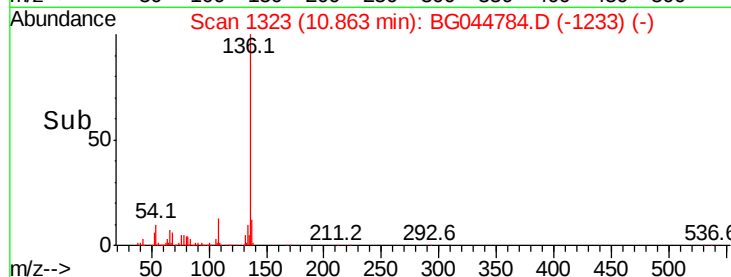
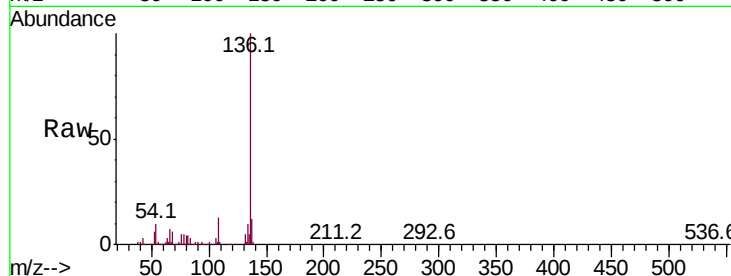




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BG044784.D
Acq: 14 Mar 2020 4:52

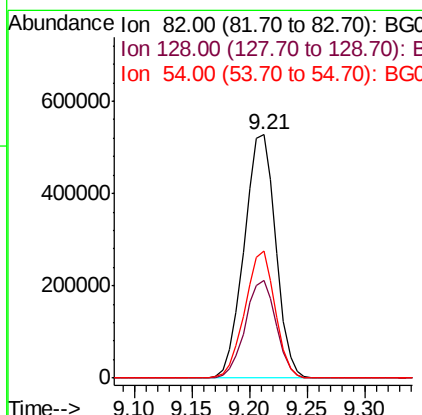
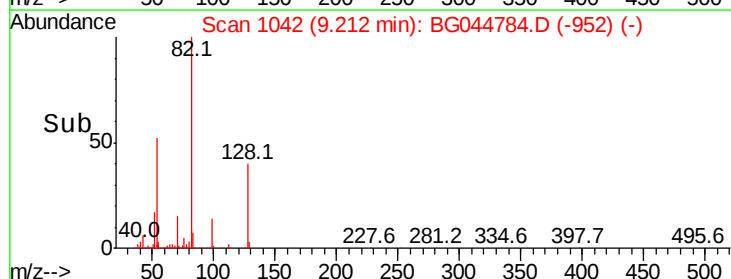
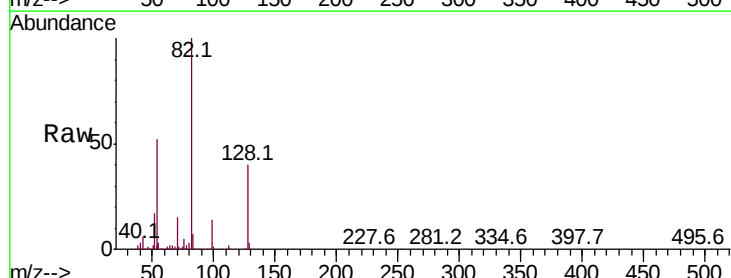
Instrument :
BNA_G
ClientSampleId :

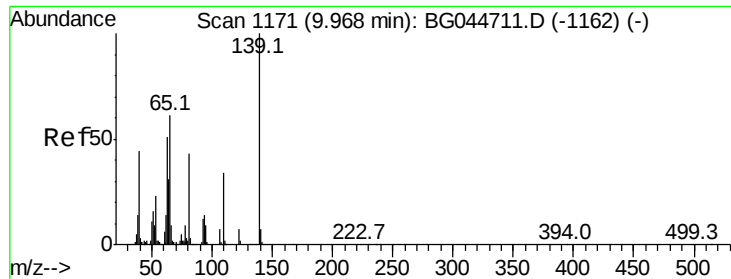
Tot Ion:136	Resp: 520970
Ion Ratio	Lower Upper
136 100	
137 12.0	10.7 16.1
54 9.6	9.0 13.4
68 6.4	5.9 8.9



#23
Nitrobenzene-d5
Concen: 84.706 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG044784.D
Acq: 14 Mar 2020 4:52

Tgt Ion: 82	Ratio	Resp: 1005651	
82	100	Lower	Upper
128	40.1	30.2	45.2
54	52.4	41.8	62.8

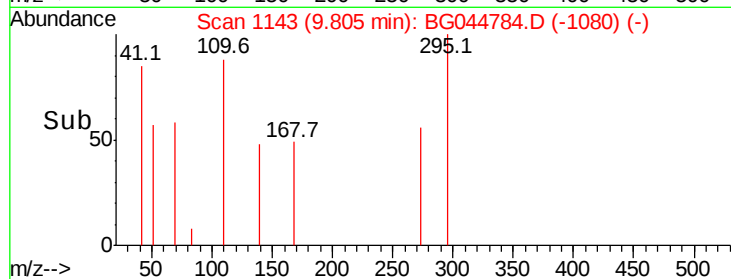
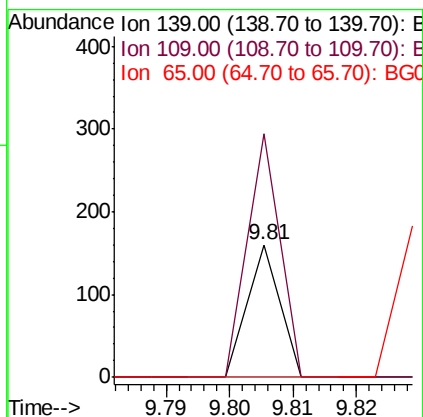
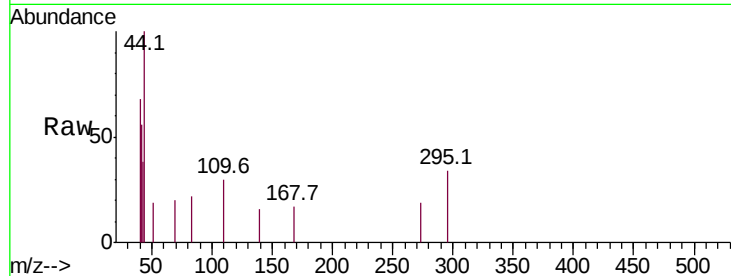




#26
2-Nitrophenol
Concen: 5.527 ng
RT: 9.81 min Scan# 1143
Delta R.T. -0.16 min
Lab File: BG044784.D
Acq: 14 Mar 2020 4:52

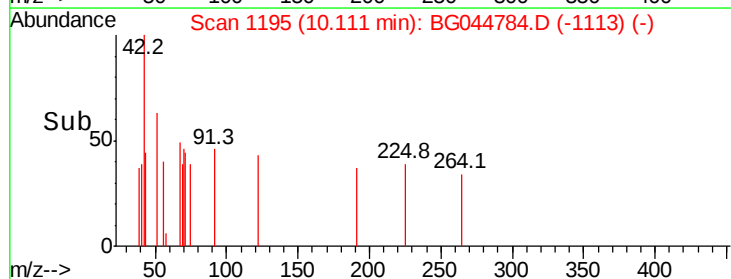
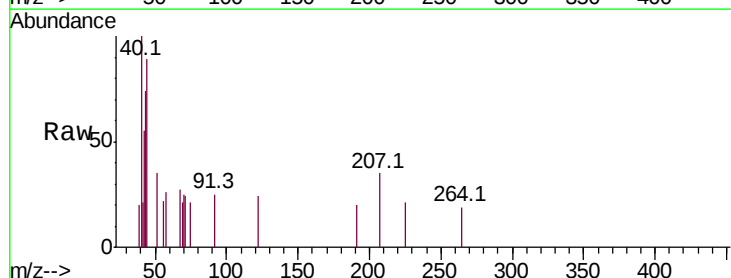
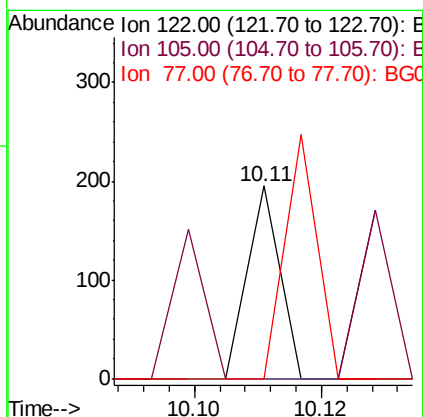
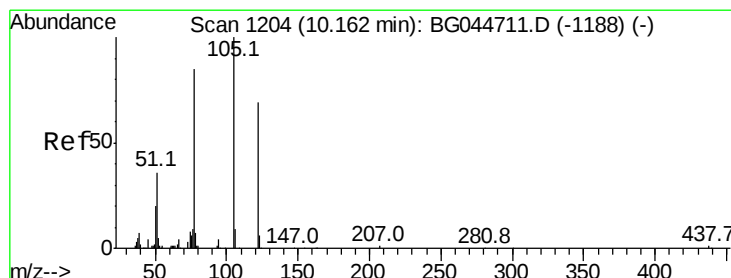
Instrument :
BNA_G
ClientSampleId :

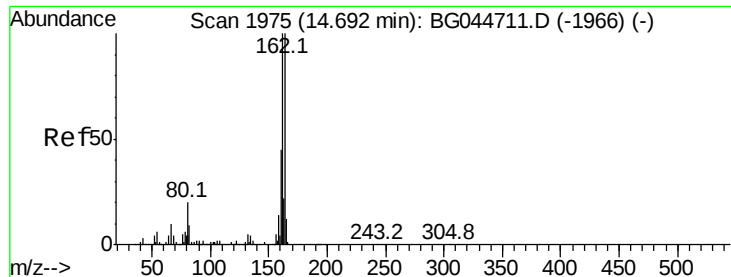
Tot Ion	Ratio	Lower	Upper
139	100		
109	183.8	27.0	40.4#
65	0.0	48.6	73.0#



#32
Benzoic acid
Concen: 9.679 ng
RT: 10.11 min Scan# 1195
Delta R.T. -0.05 min
Lab File: BG044784.D
Acq: 14 Mar 2020 4:52

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	0.0	96.4	136.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

Instrument :

BNA_G

ClientSampleId :

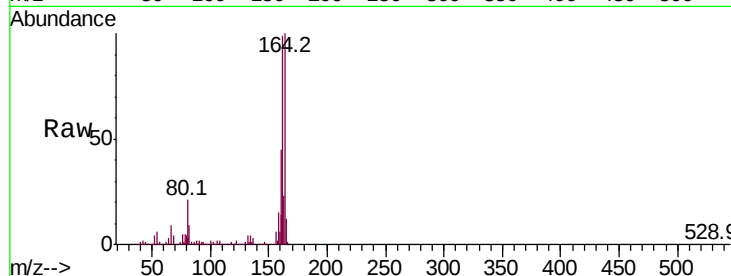
Tot Ion:164 Resp: 351768

Ion Ratio Lower Upper

164 100

162 98.9 80.2 120.4

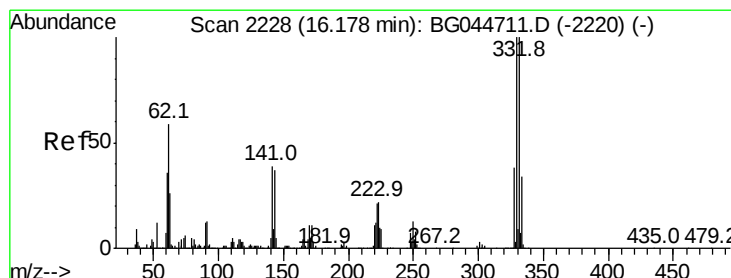
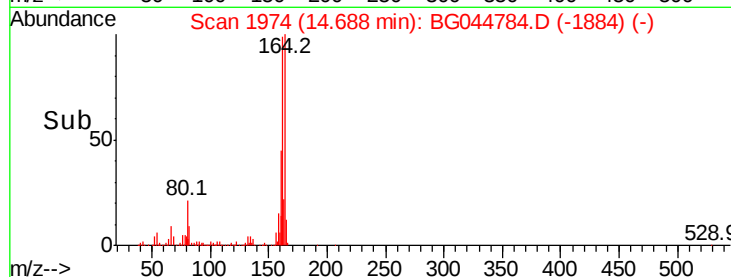
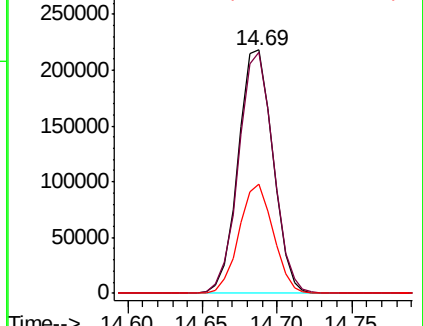
160 44.9 36.2 54.2



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: 124.038 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.00 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

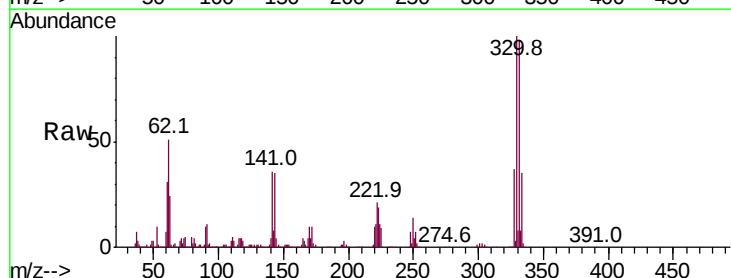
Tgt Ion:330 Resp: 571302

Ion Ratio Lower Upper

330 100

332 97.5 77.5 116.3

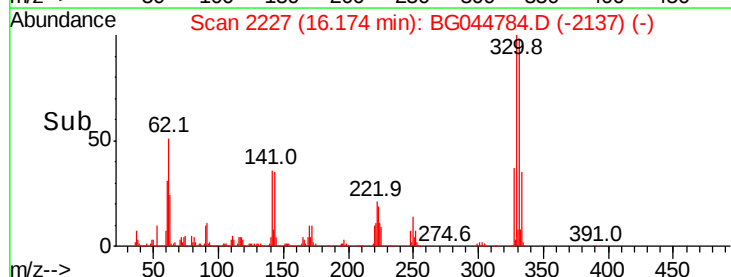
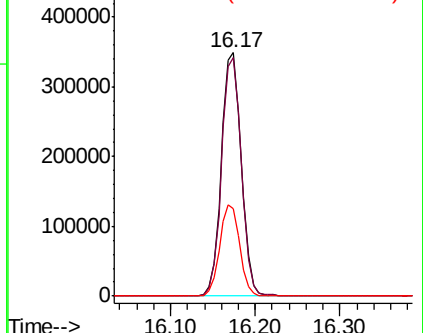
141 38.0 31.7 47.5

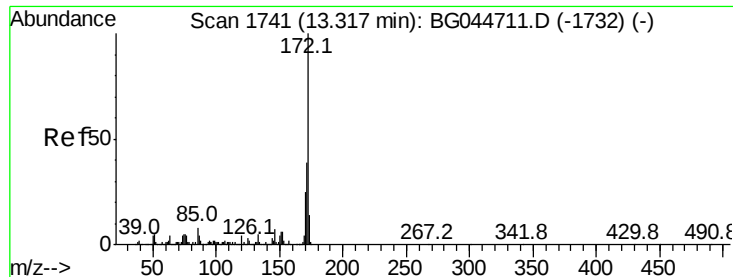


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 81.787 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

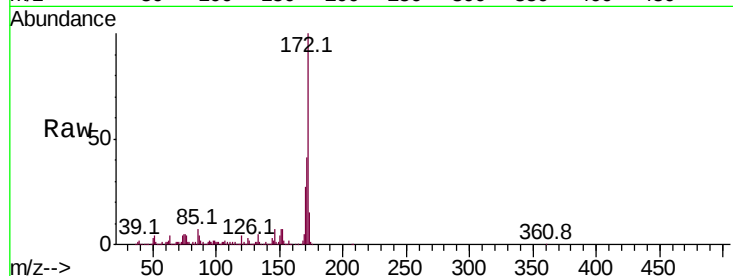
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 2009038

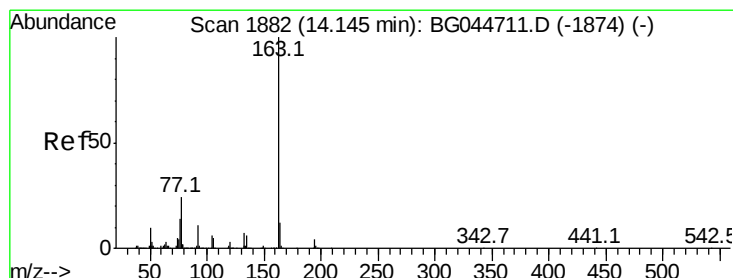
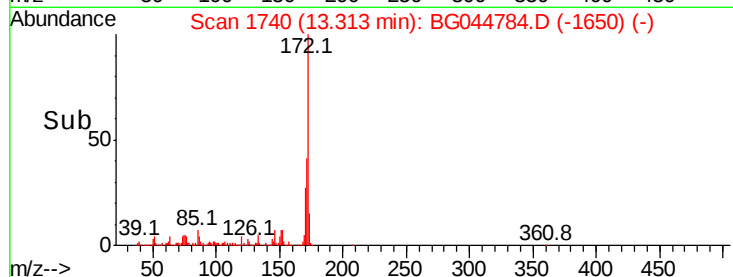
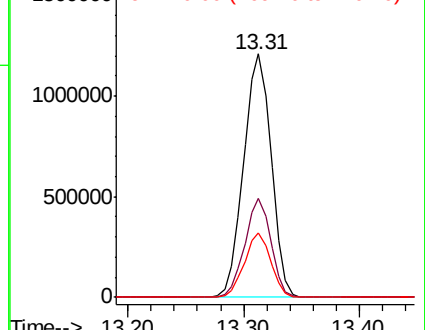
Ion	Ratio	Lower	Upper
172	100		
171	40.5	30.8	46.2
170	26.7	20.0	30.0



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



#50

Dimethylphthalate

Concen: 3.129 ng

RT: 14.13 min Scan# 1879

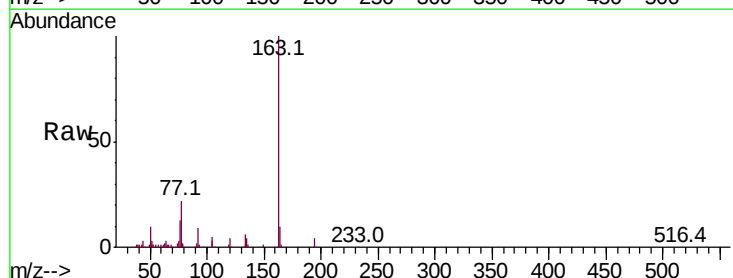
Delta R.T. -0.02 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

Tgt Ion:163 Resp: 87658

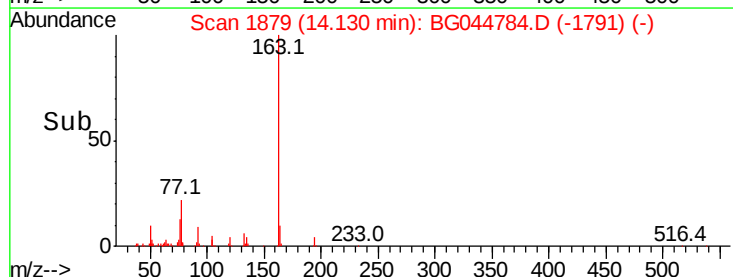
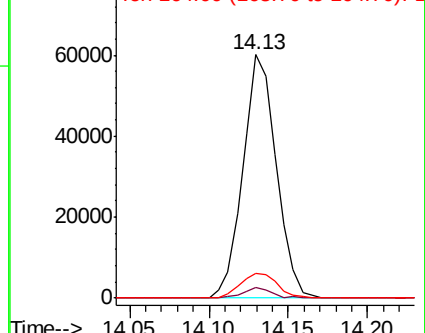
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.0	9.2	13.8

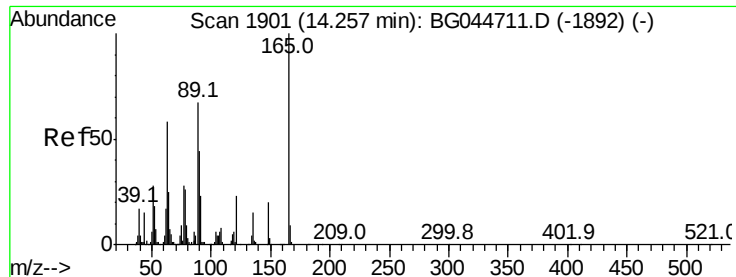


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.833 ng

RT: 14.68 min Scan# 1973

Delta R.T. 0.42 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

Instrument :

BNA_G

ClientSampleId :

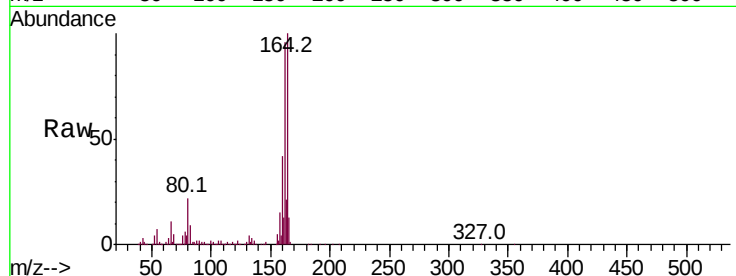
Tot Ion:165 Resp: 44236

Ion Ratio Lower Upper

165 100

63 3.0 48.9 73.3#

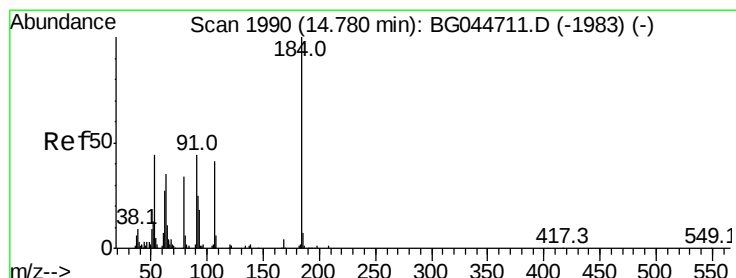
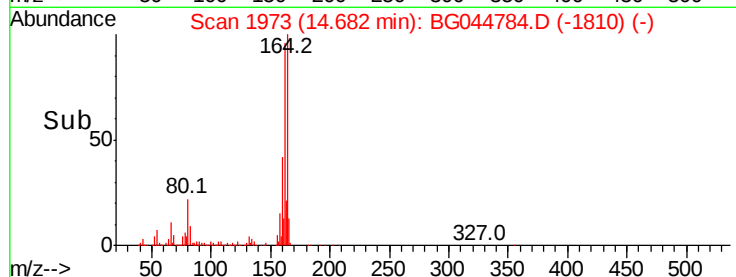
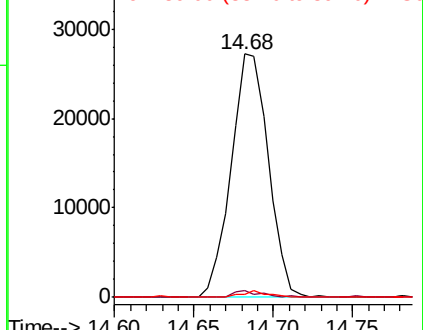
89 1.3 53.8 80.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#54

2,4-Dinitrophenol

Concen: 8.340 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.25 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

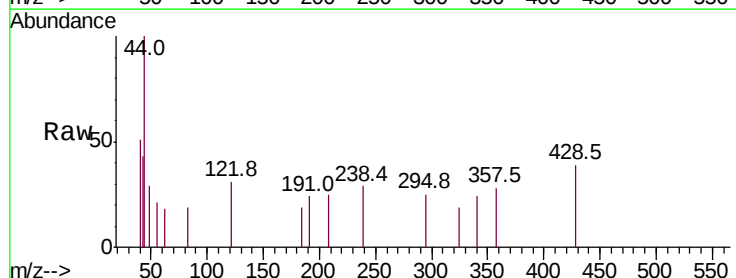
Tgt Ion:184 Resp: 58

Ion Ratio Lower Upper

184 100

63 0.0 49.0 73.6#

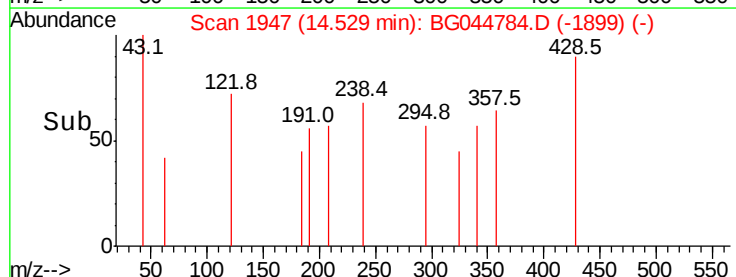
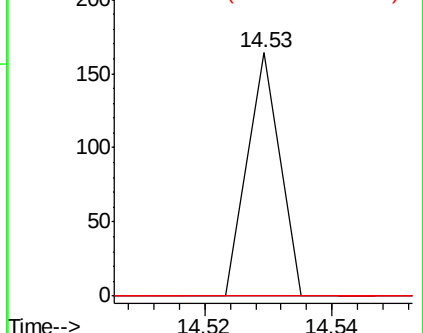
154 0.0 94.5 141.7#

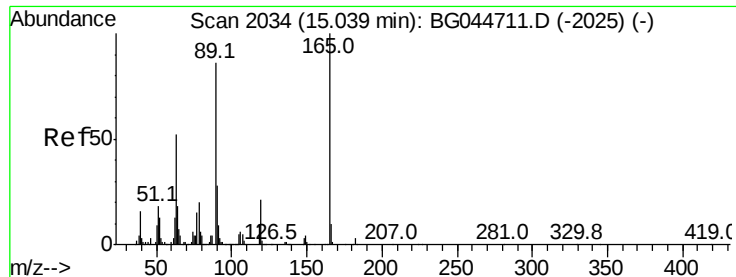


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 5.711 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.36 min

Lab File: BG044784.D

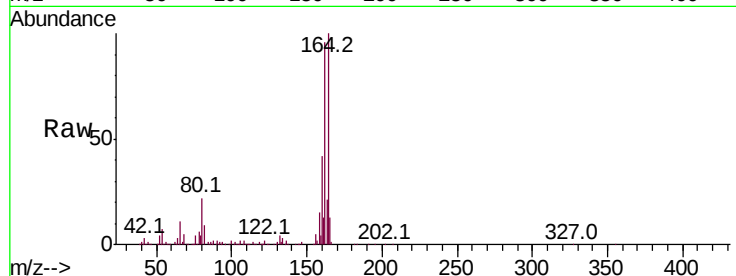
Acq: 14 Mar 2020 4:52

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	44236
Ion Ratio	Lower	Upper
165	100	
63	3.0	41.5 62.3#
89	1.3	69.0 103.4#
182	0.0	2.7 4.1#



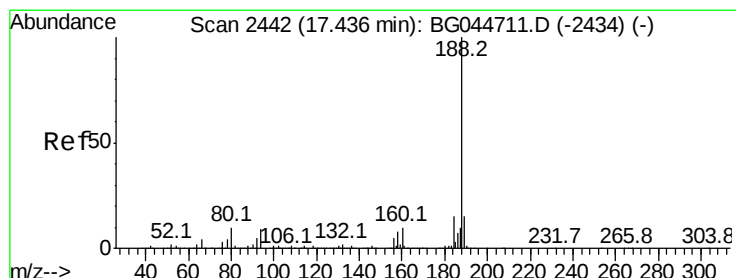
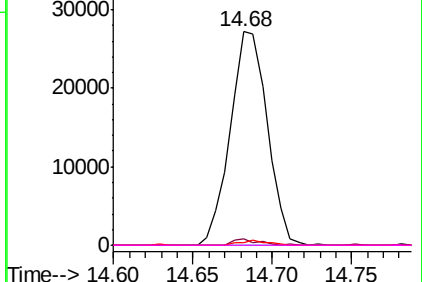
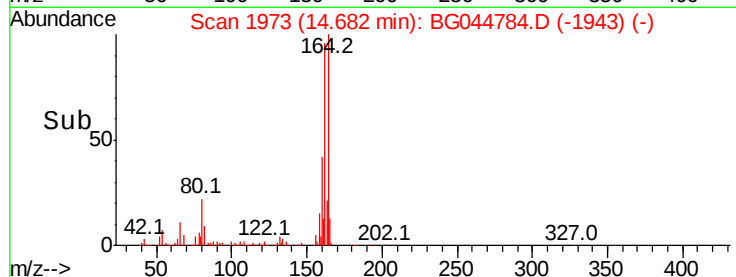
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

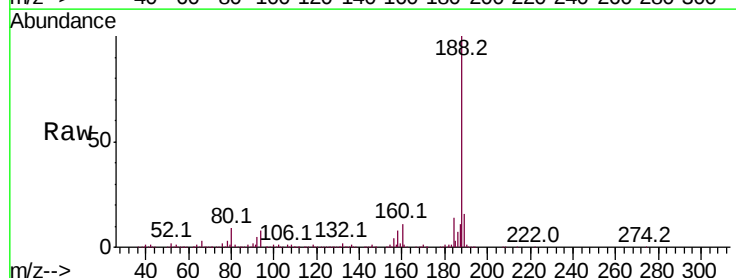
RT: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

Tgt Ion:188	Resp:	718710
Ion Ratio	Lower	Upper
188	100	
94	8.2	7.0 10.6
80	9.2	8.4 12.6

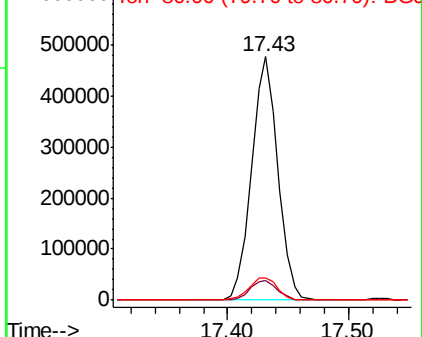
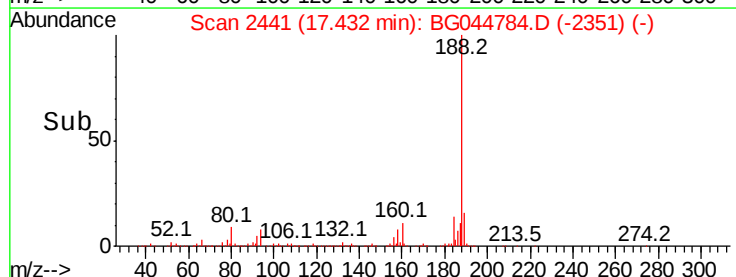


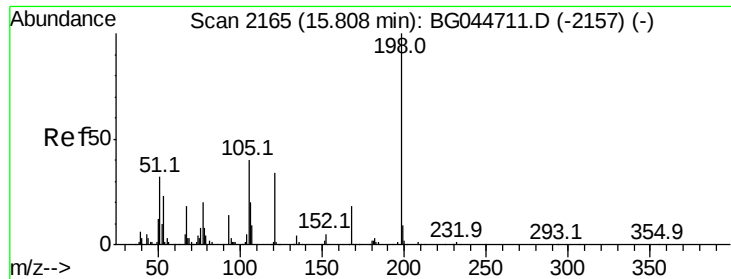
Abundance

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





#65

4,6-Dinitro-2-methylphenol

Concen: 7.750 ng

RT: 15.90 min Scan# 2181

Delta R.T. 0.10 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

Instrument :

BNA_G

ClientSampleId :

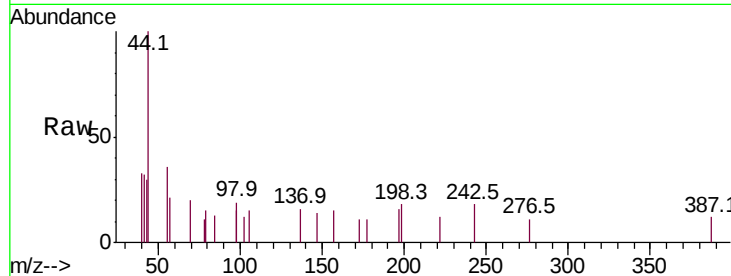
Tot Ion:198 Resp: 87

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

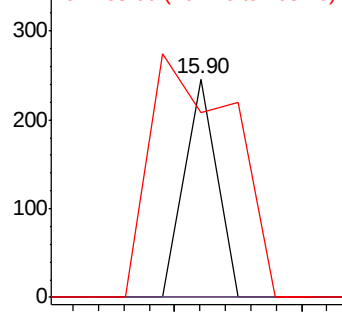
105 84.6 21.3 61.3#



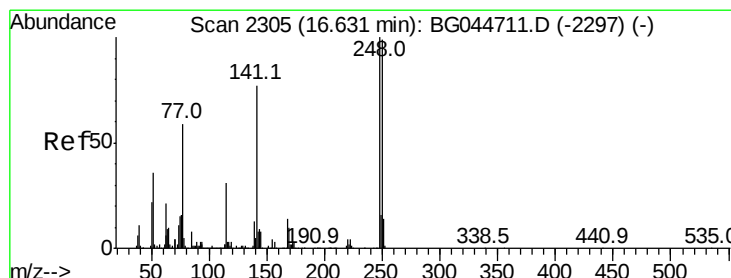
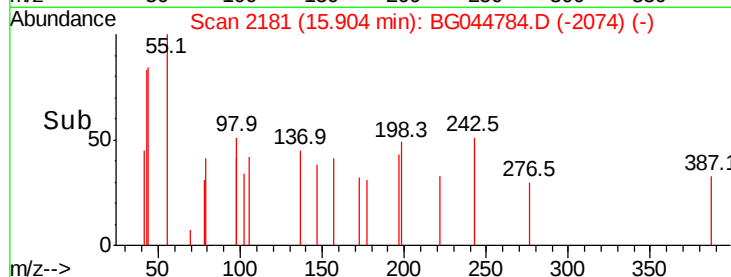
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.534 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

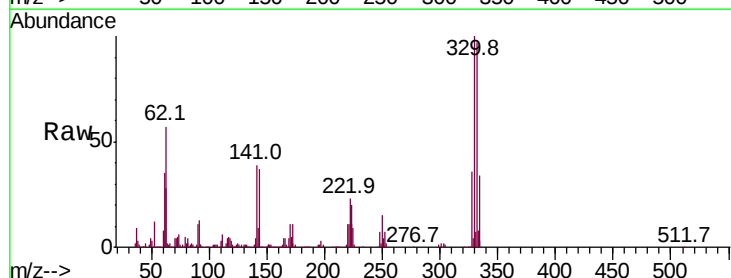
Tgt Ion:248 Resp: 40742

Ion Ratio Lower Upper

248 100

250 198.6 79.4 119.0#

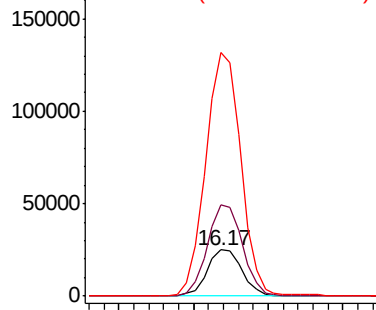
141 528.8 61.7 92.5#



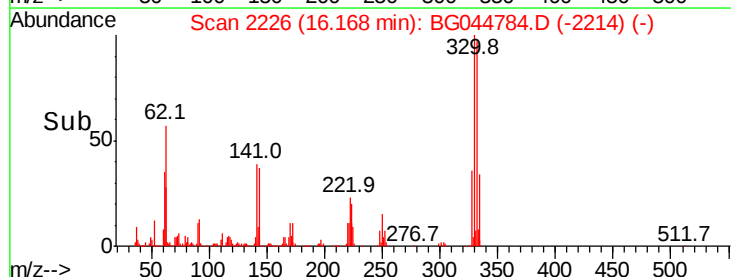
Abundance Ion 248.00 (247.70 to 248.70): E

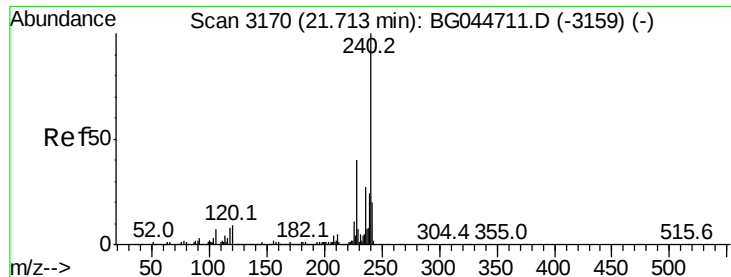
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

Instrument :

BNA_G

ClientSampled :

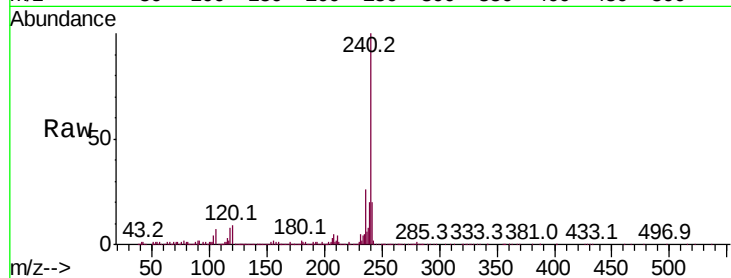
Tot Ion:240 Resp: 592845

Ion Ratio Lower Upper

240 100

120 9.0 6.9 10.3

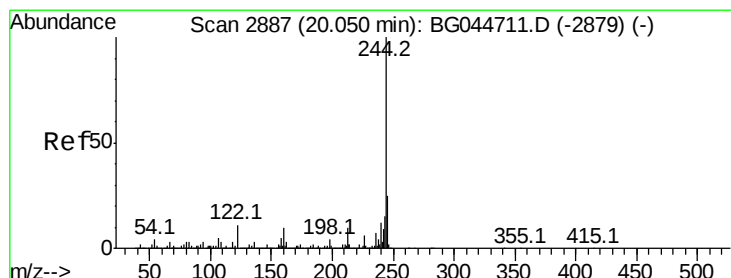
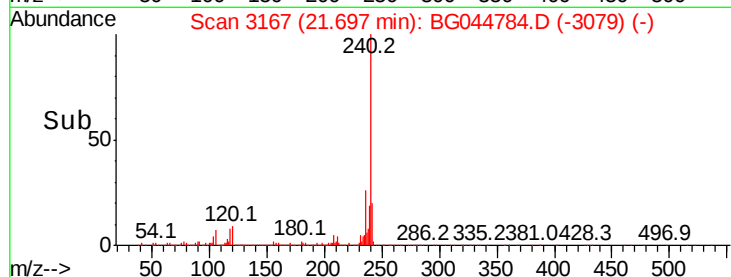
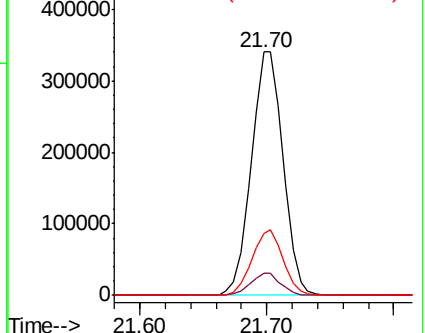
236 25.6 21.9 32.9



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: 82.324 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG044784.D

Acq: 14 Mar 2020 4:52

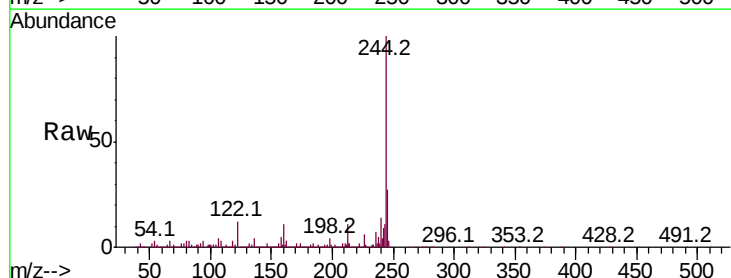
Tgt Ion:244 Resp: 2609157

Ion Ratio Lower Upper

244 100

212 11.2 8.4 12.6

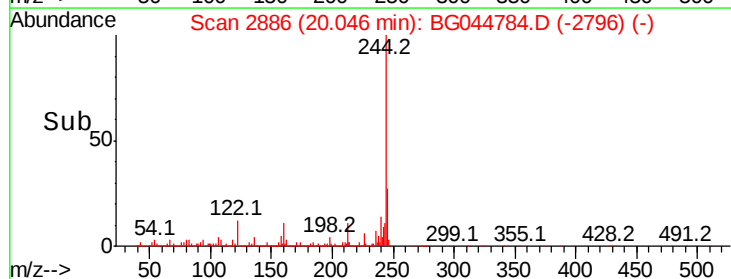
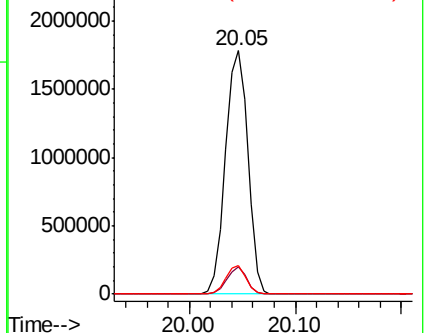
122 11.5 8.7 13.1

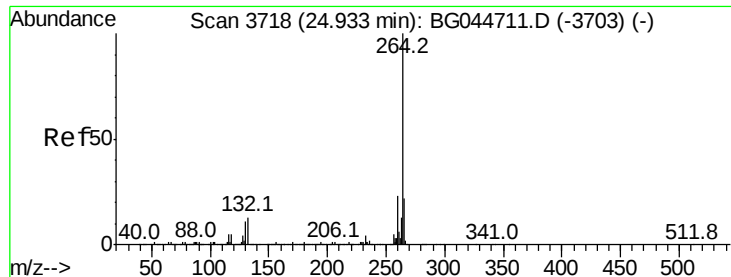


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

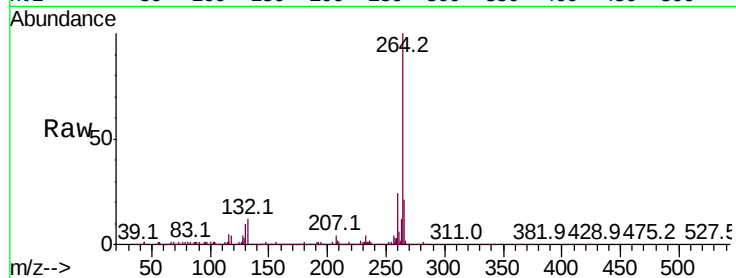




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.01 min
Lab File: BG044784.D
Acq: 14 Mar 2020 4:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	21.3	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

