

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044744.D
 Acq On : 12 Mar 2020 20:49
 Operator : CG/JU
 Sample : L1871-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:09:30 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	107193	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	422084	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	293936	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	657732	20.00	ng	0.00
76) Chrysene-d12	21.70	240	593160	20.00	ng	-0.01
87) Perylene-d12	24.92	264	661270	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	771093	111.98	ng	0.00
7) Phenol-d6	7.21	99	986018	98.55	ng	0.00
23) Nitrobenzene-d5	9.21	82	848802	88.24	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	499349	129.75	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1712406	83.43	ng	0.00
79) Terphenyl-d14	20.04	244	2689461	84.81	ng	0.00

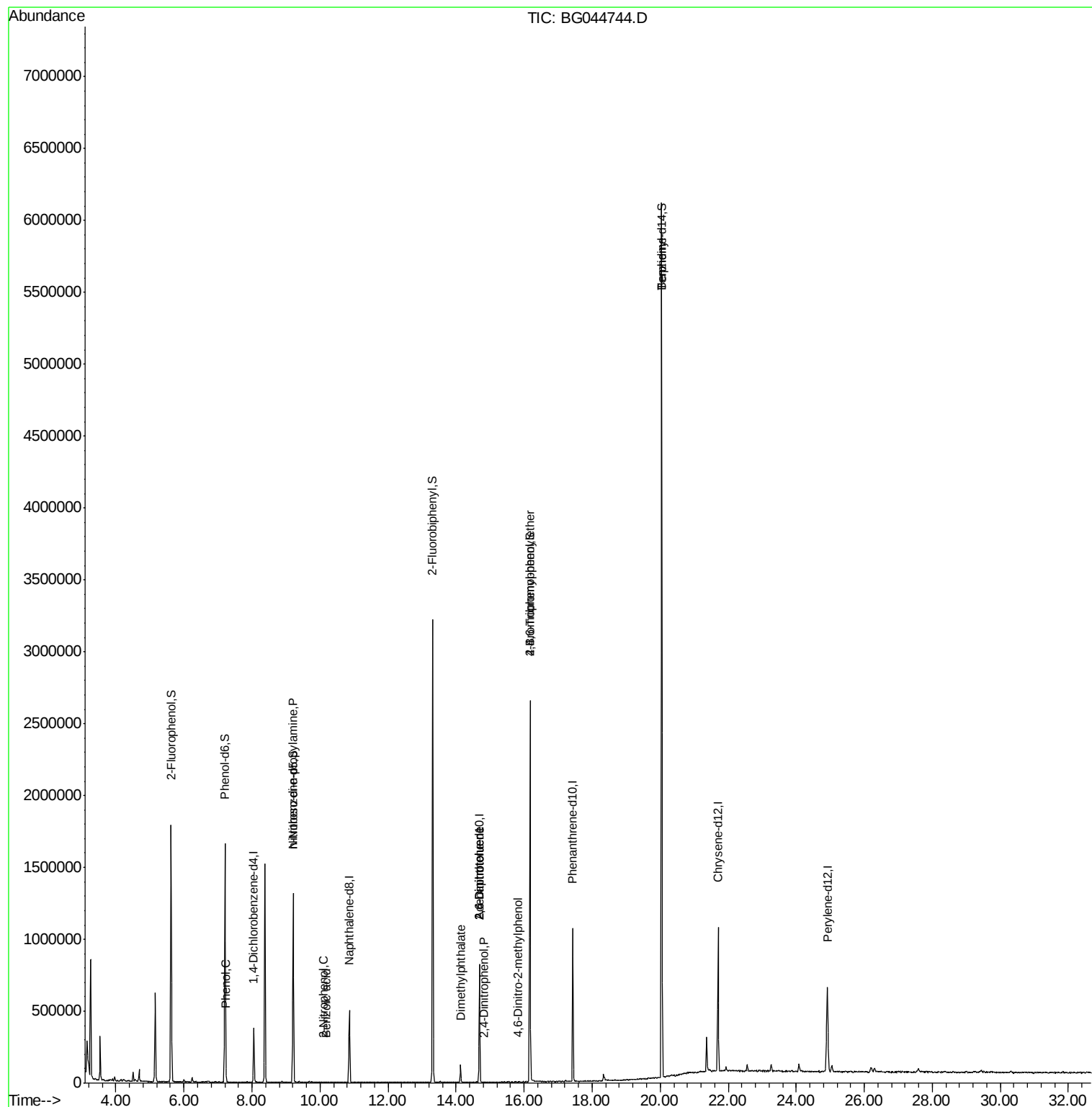
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2552	Below Cal		# 6
10) Phenol	7.24	94	23307	2.353	ng	# 90
19) n-Nitroso-di-n-propylamine	9.21	70	115738	16.383	ng	# 72
26) 2-Nitrophenol	10.10	139	71	5.533	ng	# 28
32) Benzoic acid	10.18	122	57	9.679	ng	# 1
50) Dimethylphthalate	14.13	163	84181	3.596	ng	# 99
51) 2,6-Dinitrotoluene	14.69	165	38894	8.242	ng	# 20
54) 2,4-Dinitrophenol	14.81	184	67	8.347	ng	# 14
57) 2,4-Dinitrotoluene	14.69	165	38894	6.010	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.83	198	91	7.753	ng	# 35
67) 4-Bromophenyl-phenylether	16.17	248	35190	4.280	ng	# 1
77) Benzidine	20.04	184	57493	2.986	ng	# 91

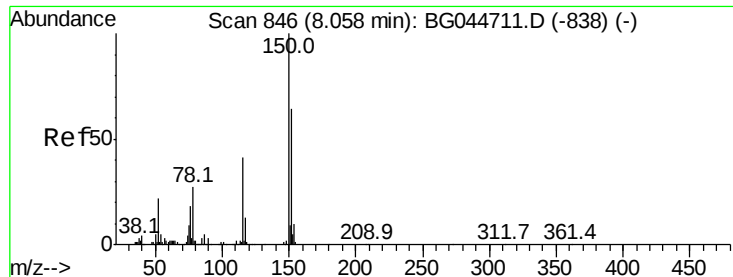
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
Data File : BG044744.D
Acq On : 12 Mar 2020 20:49
Operator : CG/JU
Sample : L1871-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 13 06:09:30 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



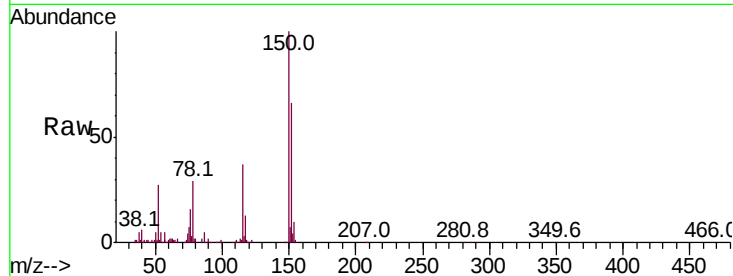


#1

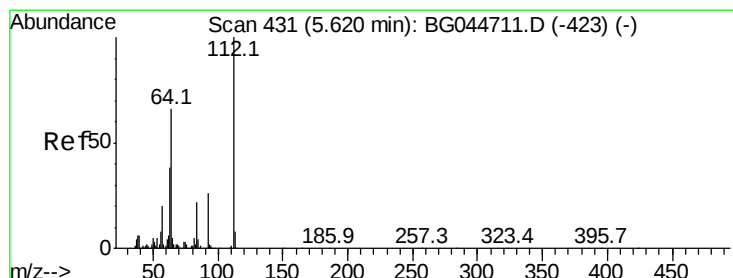
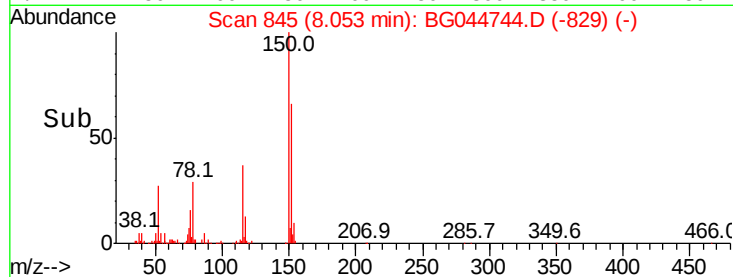
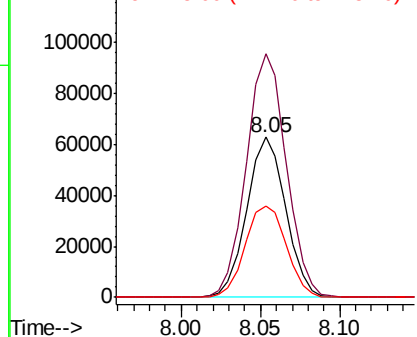
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044744.D
Acq: 12 Mar 2020 20:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 107193
Ion Ratio Lower Upper
152 100
150 152.3 125.3 187.9
115 57.0 51.7 77.5



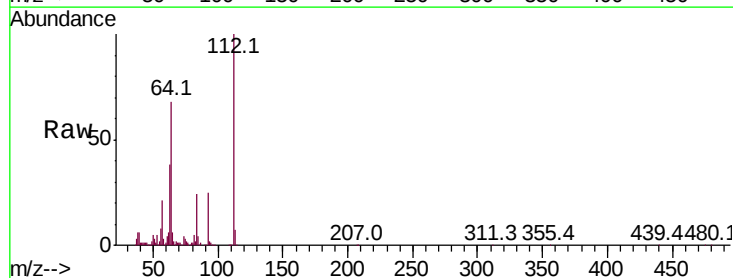
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



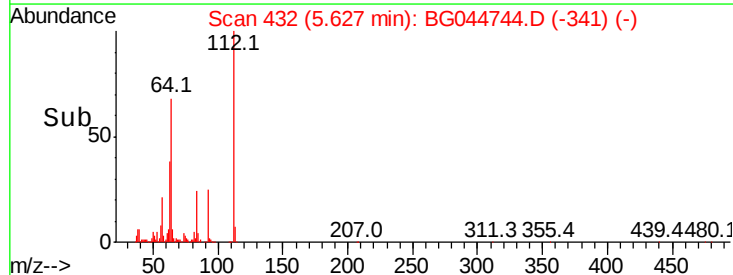
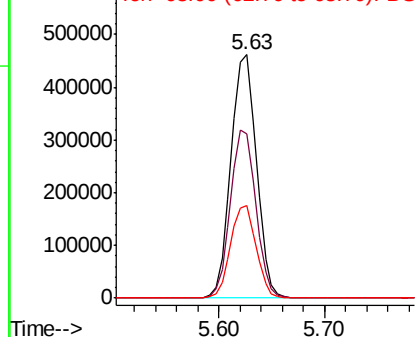
#5

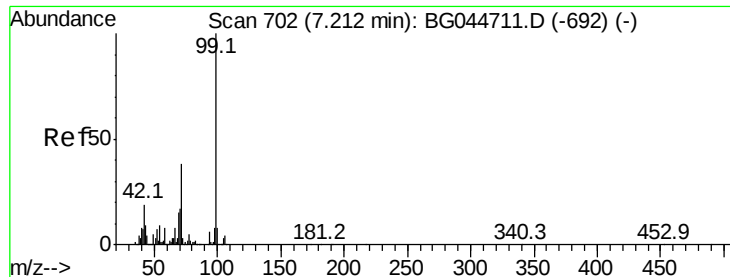
2-Fluorophenol
Concen: 111.981 ng
RT: 5.63 min Scan# 432
Delta R.T. 0.01 min
Lab File: BG044744.D
Acq: 12 Mar 2020 20:49

Tgt Ion:112 Resp: 771093
Ion Ratio Lower Upper
112 100
64 67.6 52.6 78.8
63 37.9 30.2 45.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 98.554 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044744.D

Acq: 12 Mar 2020 20:49

Instrument :

BNA_G

ClientSampleId :

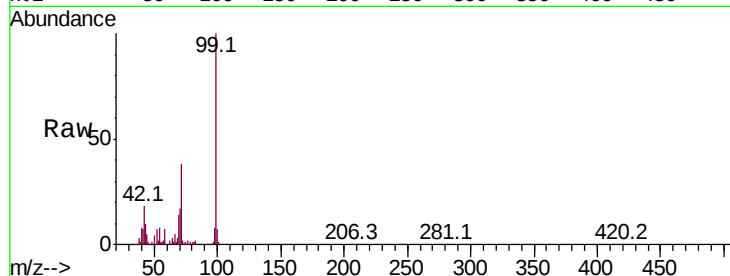
Tot Ion: 99 Resp: 986018

Ion Ratio Lower Upper

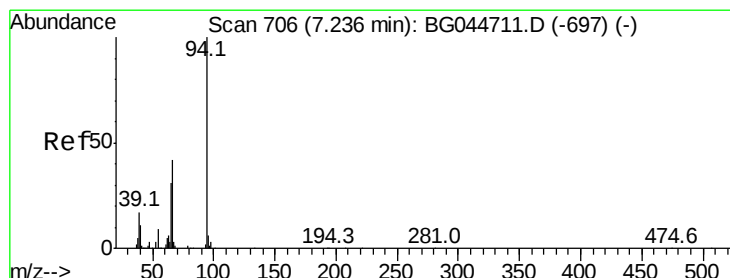
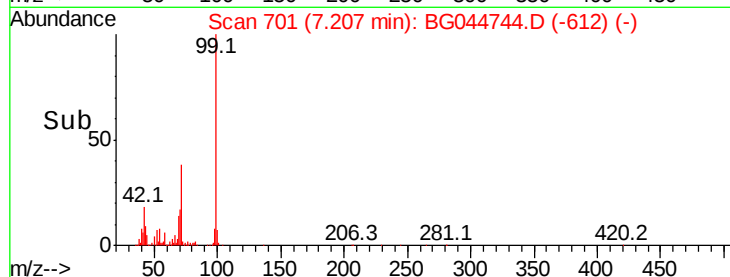
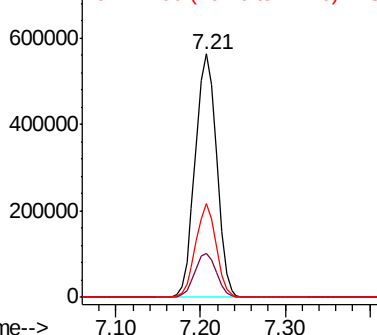
99 100

42 18.1 15.4 23.0

71 38.4 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



#10

Phenol

Concen: 2.353 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG044744.D

Acq: 12 Mar 2020 20:49

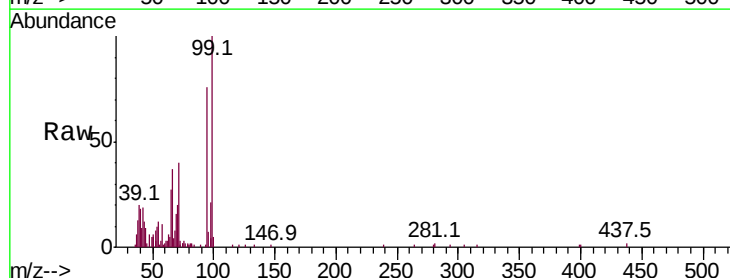
Tgt Ion: 94 Resp: 23307

Ion Ratio Lower Upper

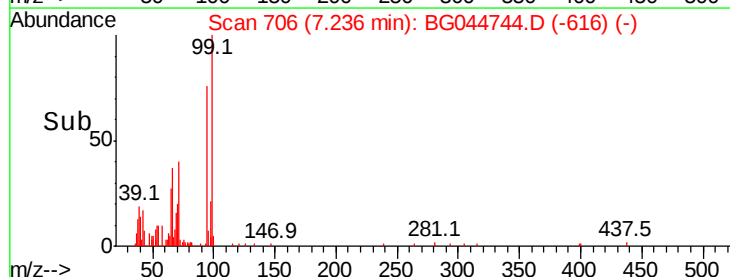
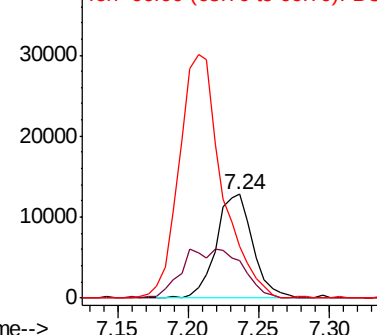
94 100

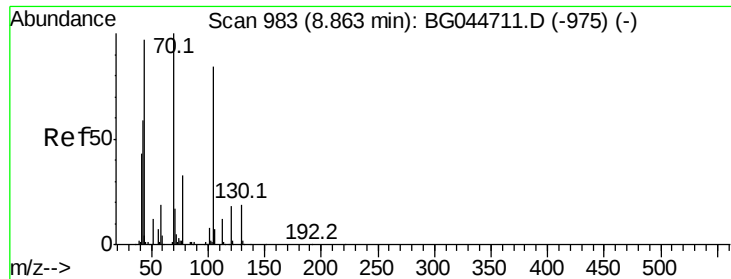
65 36.3 11.3 51.3

66 49.4 22.9 62.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

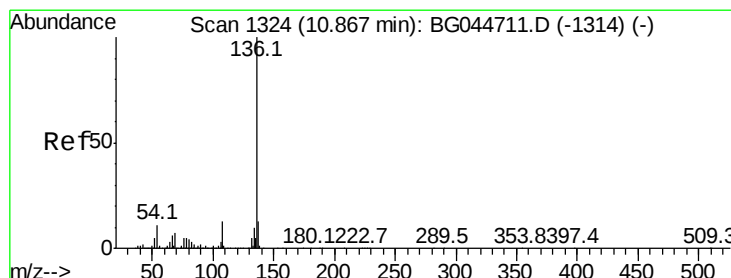
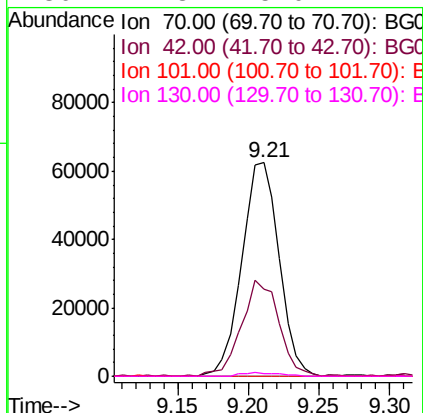
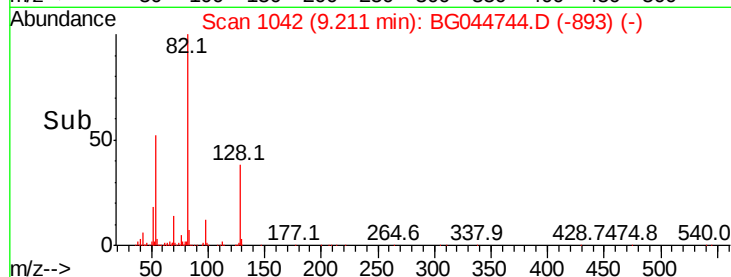
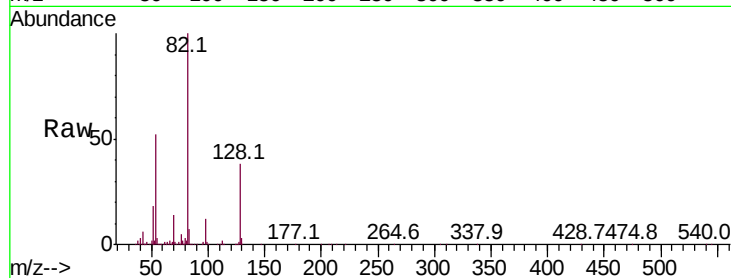




#19
n-Nitroso-di-n-propylamine
Concen: 16.383 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.35 min
Lab File: BG044744.D
Acq: 12 Mar 2020 20:49

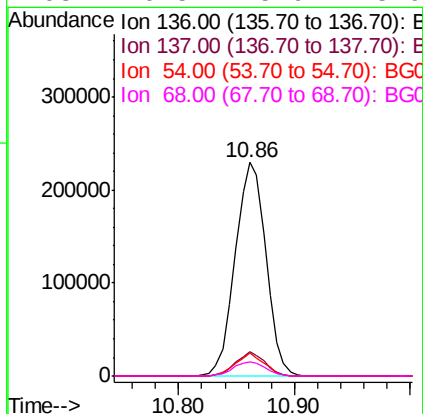
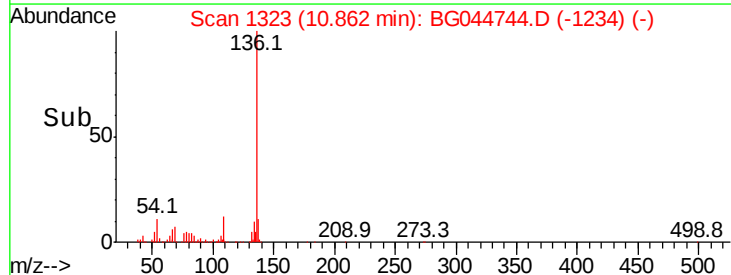
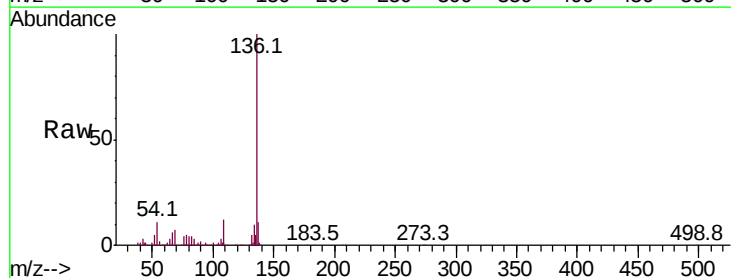
Instrument :
BNA_G
ClientSampleId :

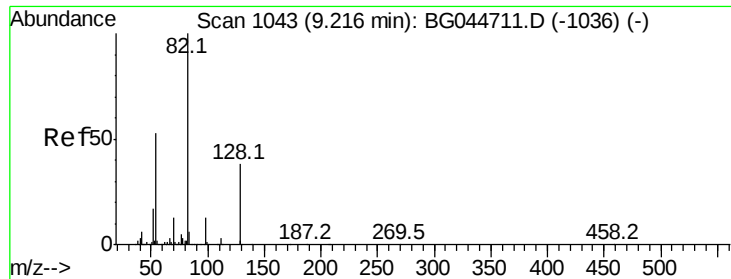
Tot Ion: 70 Resp: 115738
Ion Ratio Lower Upper
70 100
42 40.9 47.6 71.4#
101 0.0 6.5 9.7#
130 1.3 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044744.D
Acq: 12 Mar 2020 20:49

Tgt Ion: 136 Resp: 422084
Ion Ratio Lower Upper
136 100
137 11.3 10.7 16.1
54 11.1 9.0 13.4
68 6.5 5.9 8.9





#23

Nitrobenzene-d5

Concen: 88.245 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.01 min

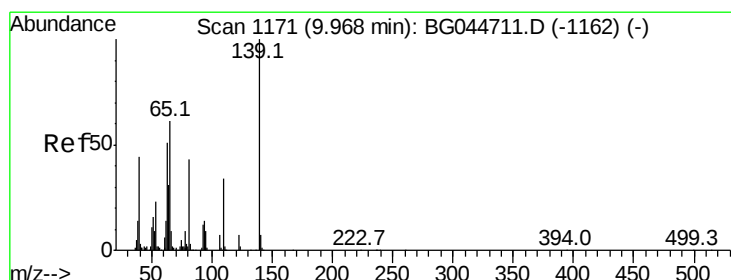
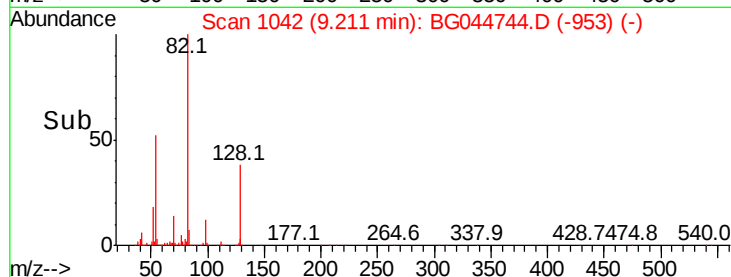
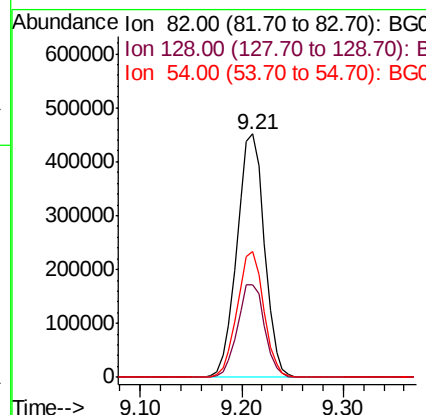
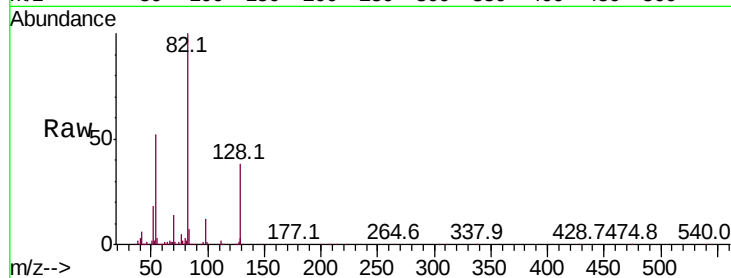
Lab File: BG044744.D

Acq: 12 Mar 2020 20:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 848802

Ion	Ratio	Lower	Upper
82	100		
128	38.3	30.2	45.2
54	51.7	41.8	62.8



#26

2-Nitrophenol

Concen: 5.533 ng

RT: 10.10 min Scan# 1193

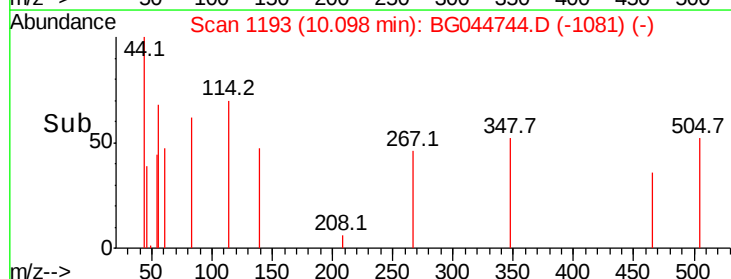
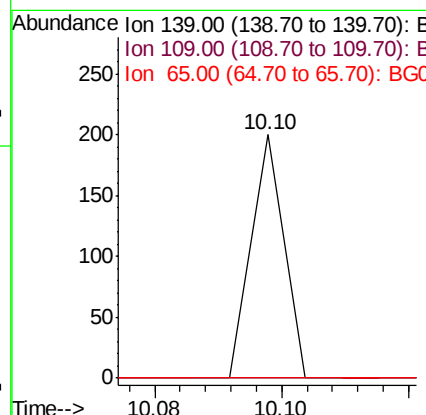
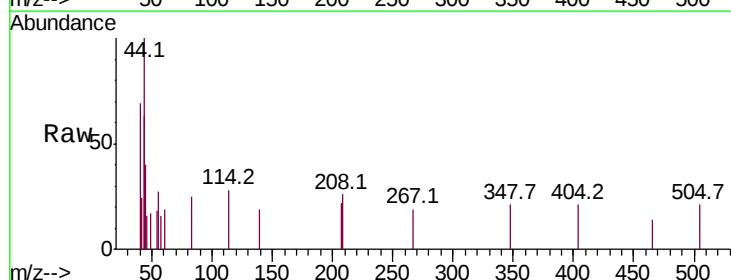
Delta R.T. 0.13 min

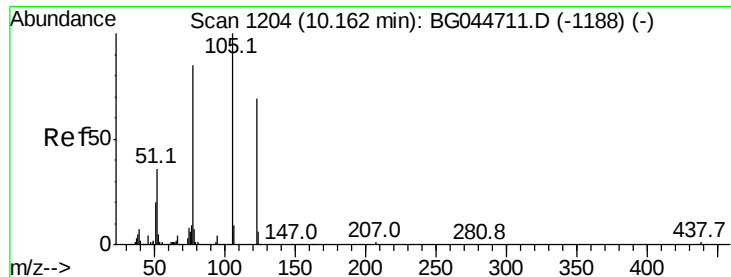
Lab File: BG044744.D

Acq: 12 Mar 2020 20:49

Tgt Ion: 139 Resp: 71

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

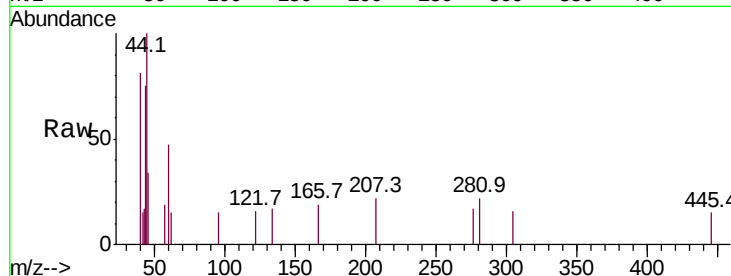




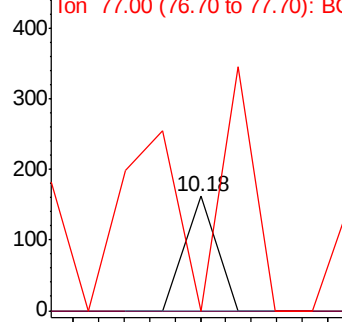
#32
Benzoic acid
Concen: 9.679 ng
RT: 10.18 min Scan# 1207
Delta R.T. 0.02 min
Lab File: BG044744.D
Acq: 12 Mar 2020 20:49

Instrument :
BNA_G
ClientSampled :

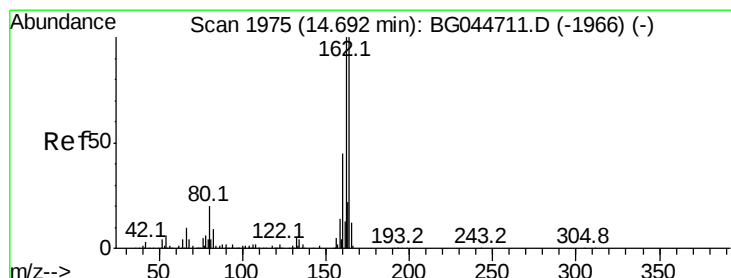
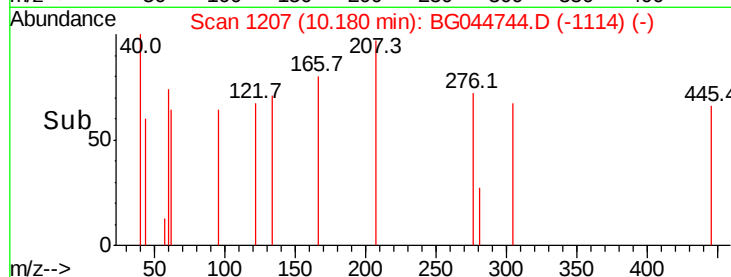
Tot Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 119.0 159.0#
77 0.0 96.4 136.4#



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): BGC

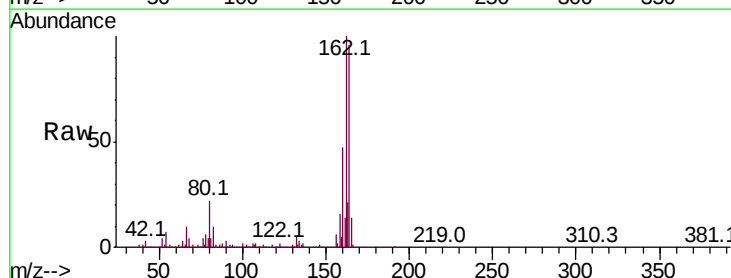


Time-->

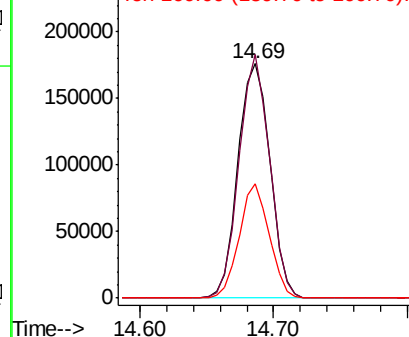


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG044744.D
Acq: 12 Mar 2020 20:49

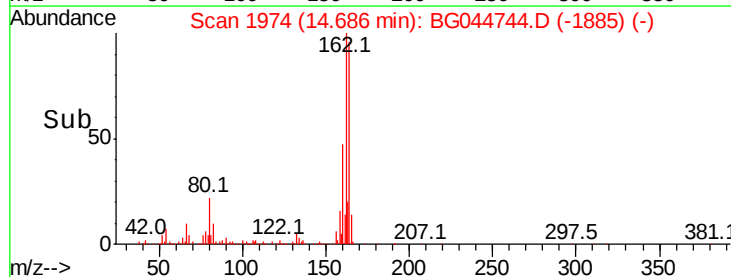
Tgt Ion:164 Resp: 293936
Ion Ratio Lower Upper
164 100
162 104.0 80.2 120.4
160 48.6 36.2 54.2

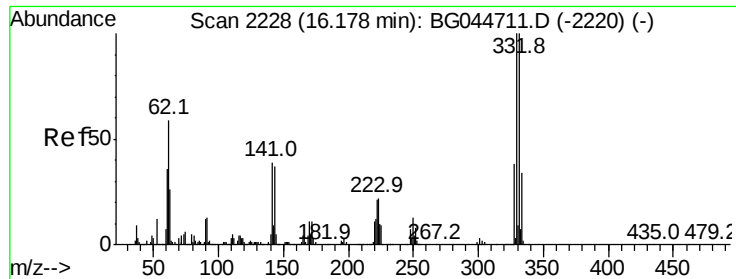


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

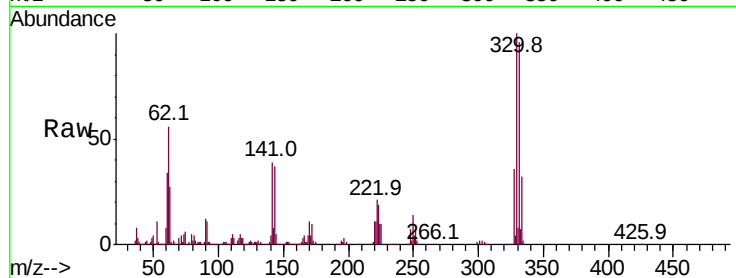




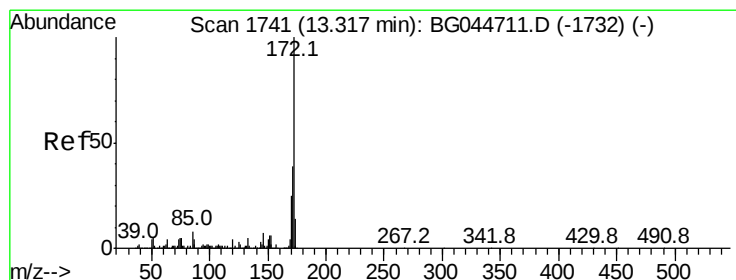
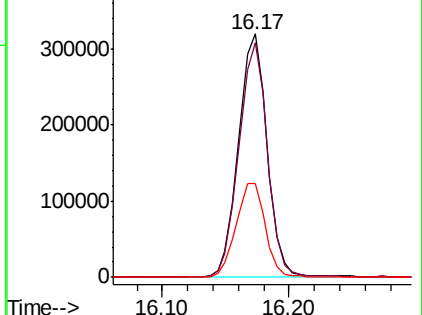
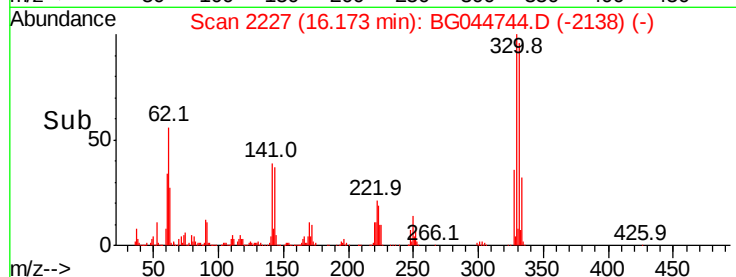
#42
 2,4,6-Tribromophenol
 Concen: 129.747 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG044744.D
 Acq: 12 Mar 2020 20:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.5	116.3
141	39.5	31.7	47.5

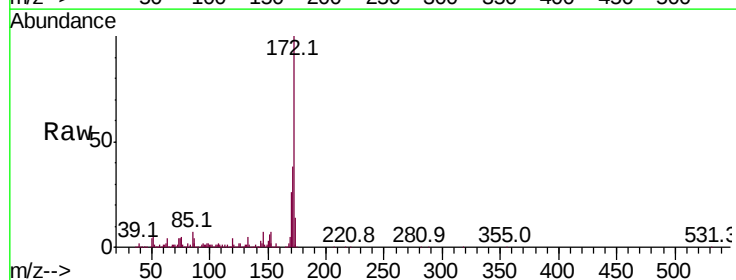


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

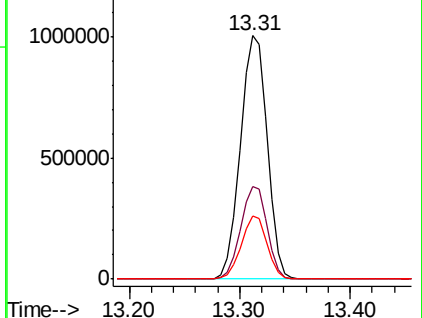
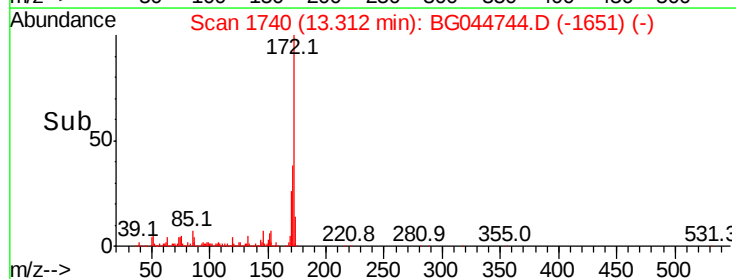


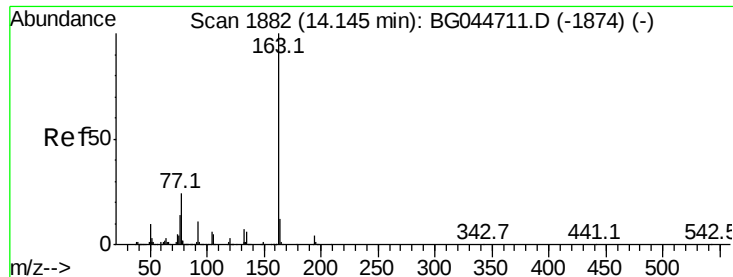
#45
 2-Fluorobiphenyl
 Concen: 83.427 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG044744.D
 Acq: 12 Mar 2020 20:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.8	46.2
170	25.9	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: 3.596 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG044744.D

Acq: 12 Mar 2020 20:49

Instrument :

BNA_G

ClientSampleId :

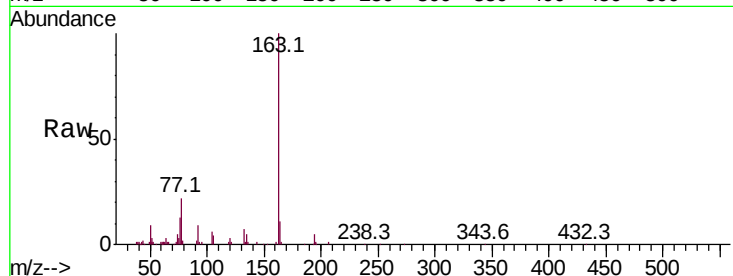
Tot Ion:163 Resp: 84181

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

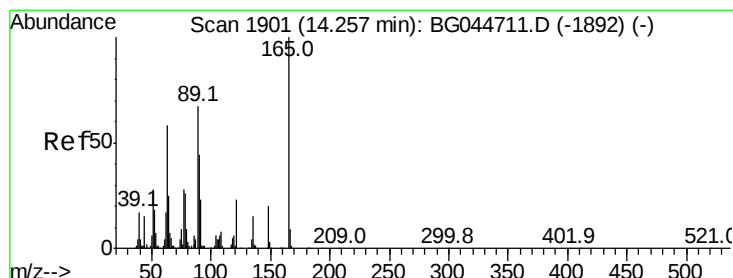
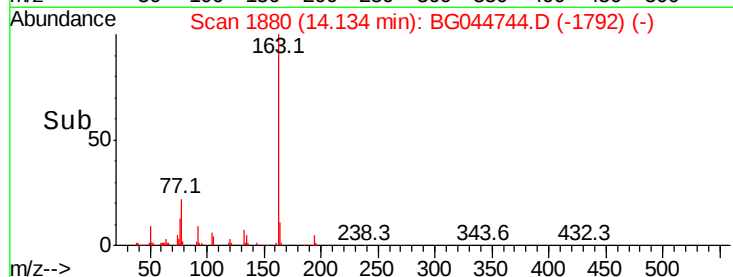
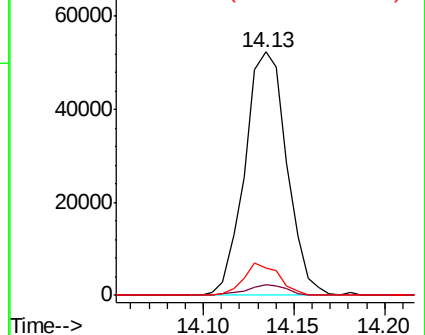
164 11.2 9.2 13.8



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: 8.242 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.43 min

Lab File: BG044744.D

Acq: 12 Mar 2020 20:49

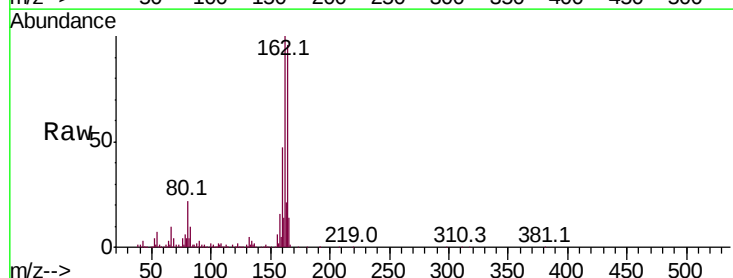
Tgt Ion:165 Resp: 38894

Ion Ratio Lower Upper

165 100

63 1.4 48.9 73.3#

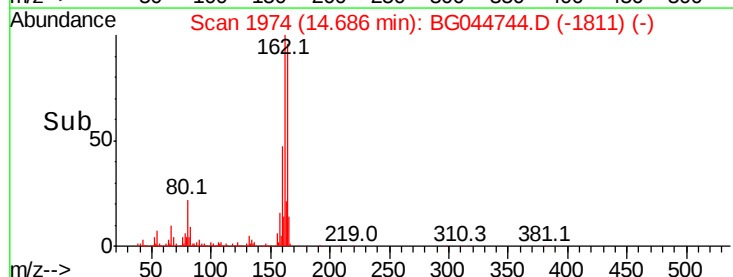
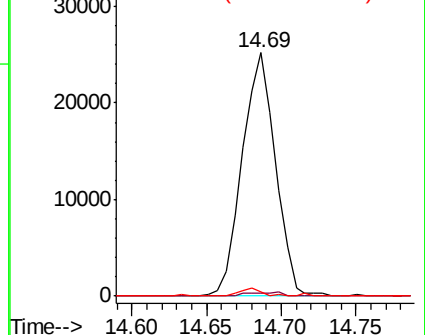
89 1.7 53.8 80.8#

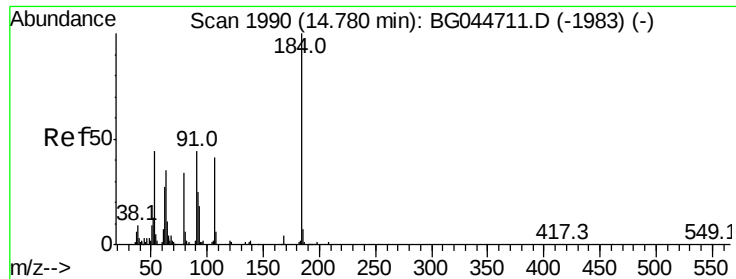


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#54

2,4-Dinitrophenol

Concen: 8.347 ng

RT: 14.81 min Scan# 1995

Delta R.T. 0.03 min

Lab File: BG044744.D

Acq: 12 Mar 2020 20:49

Instrument :

BNA_G

ClientSampleId :

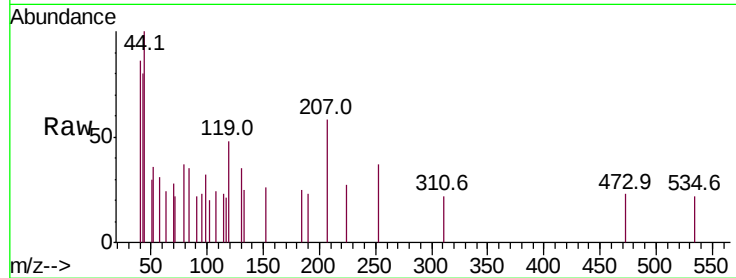
Tot Ion:184 Resp: 67

Ion Ratio Lower Upper

184 100

63 95.3 49.0 73.6#

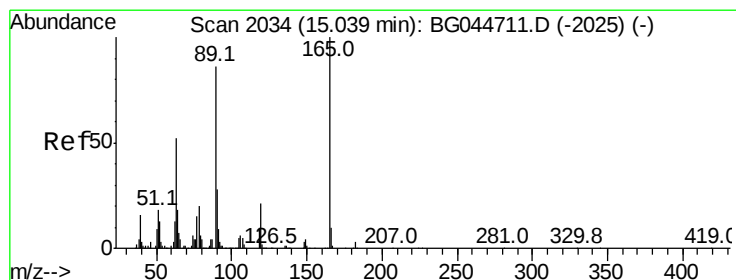
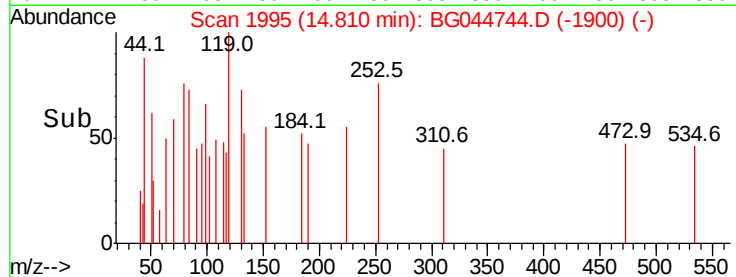
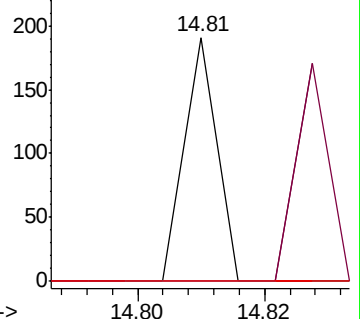
154 0.0 94.5 141.7#



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: 6.010 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.35 min

Lab File: BG044744.D

Acq: 12 Mar 2020 20:49

Tgt Ion:165 Resp: 38894

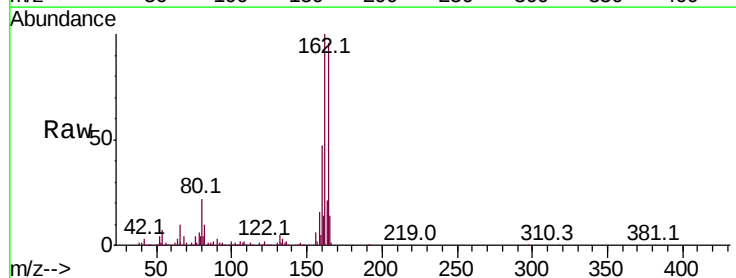
Ion Ratio Lower Upper

165 100

63 1.4 41.5 62.3#

89 1.7 69.0 103.4#

182 0.0 2.7 4.1#

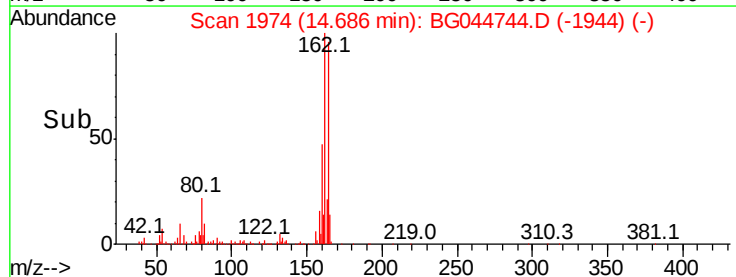
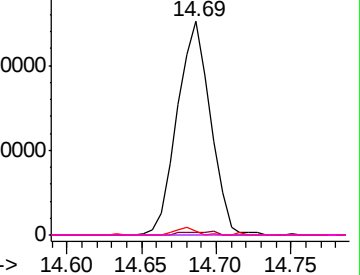


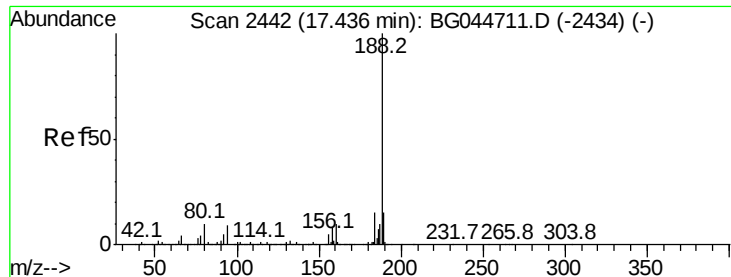
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BG044744.D

Acq: 12 Mar 2020 20:49

Instrument :

BNA_G

ClientSampled :

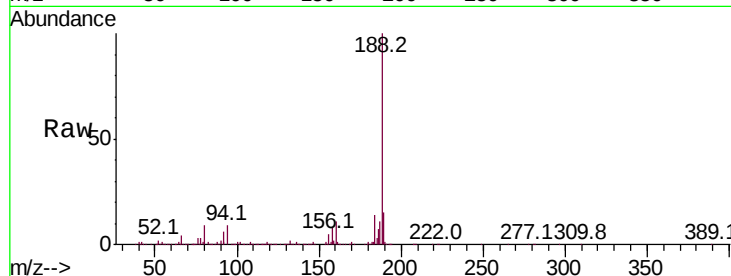
Tot Ion:188 Resp: 657732

Ion Ratio Lower Upper

188 100

94 9.4 7.0 10.6

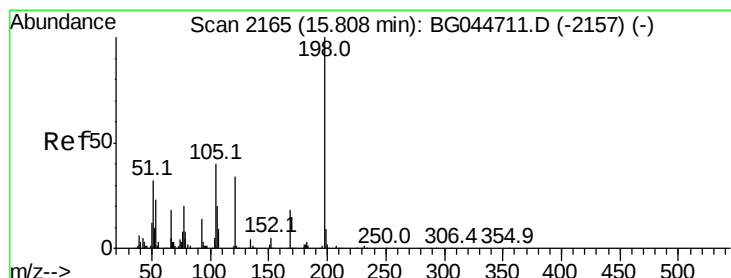
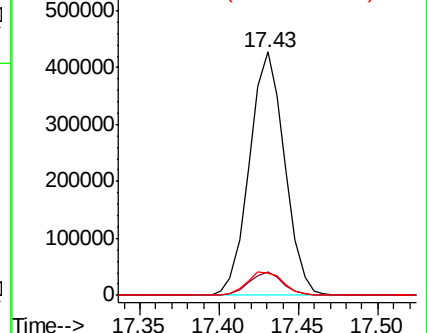
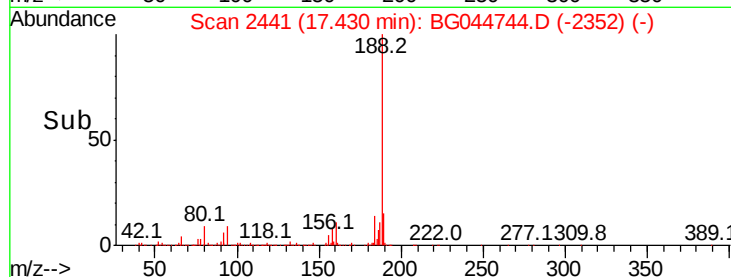
80 9.4 8.4 12.6



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: 7.753 ng

RT: 15.83 min Scan# 2169

Delta R.T. 0.02 min

Lab File: BG044744.D

Acq: 12 Mar 2020 20:49

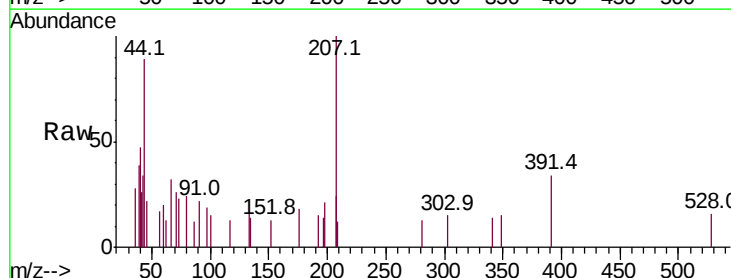
Tgt Ion:198 Resp: 91

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

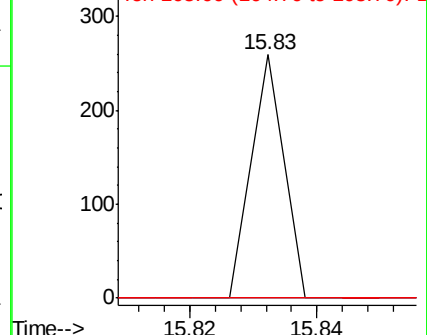
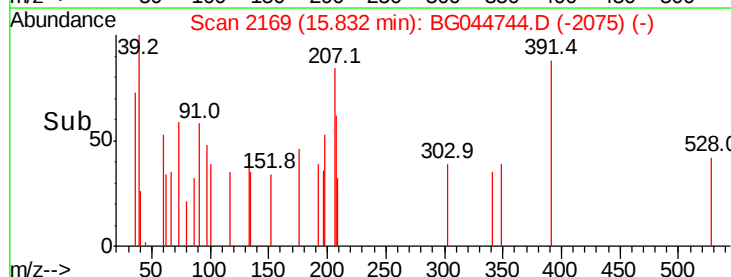
105 0.0 21.3 61.3#

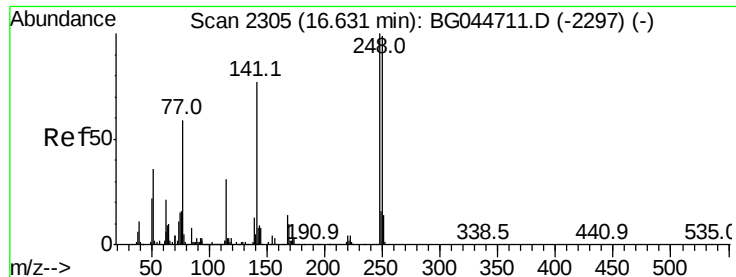


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

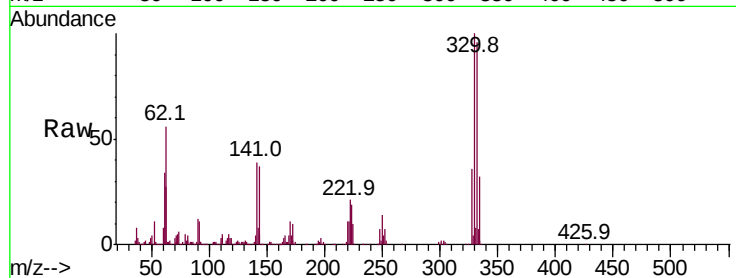




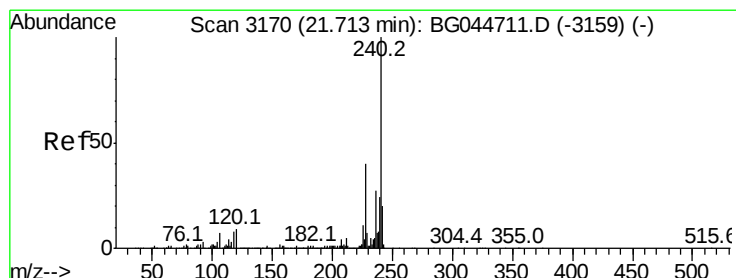
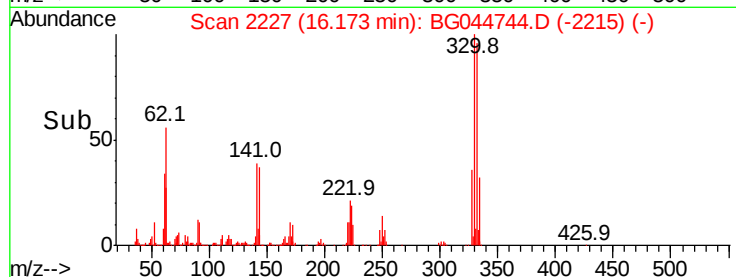
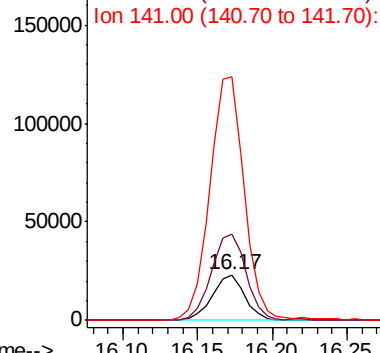
#67
 4-Bromophenyl-phenylether
 Concen: 4.280 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.46 min
 Lab File: BG044744.D
 Acq: 12 Mar 2020 20:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 35190
 Ion Ratio Lower Upper
 248 100
 250 187.6 79.4 119.0#
 141 532.4 61.7 92.5#

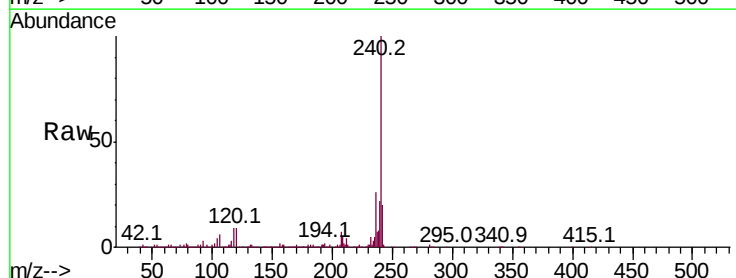


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

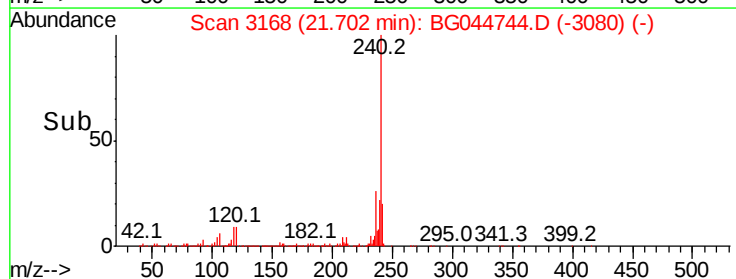
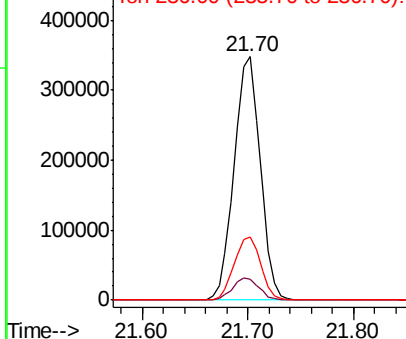


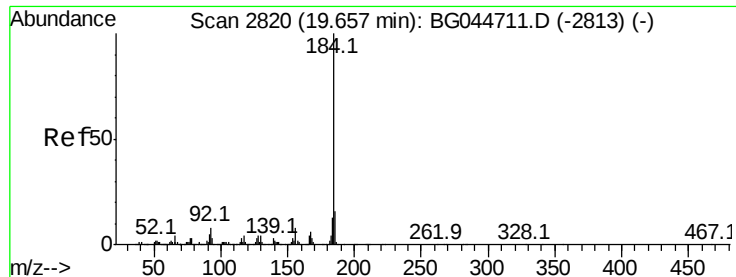
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.01 min
 Lab File: BG044744.D
 Acq: 12 Mar 2020 20:49

Tgt Ion:240 Resp: 593160
 Ion Ratio Lower Upper
 240 100
 120 8.7 6.9 10.3
 236 26.1 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





#77

Benzidine

Concen: 2.986 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.39 min

Lab File: BG044744.D

Acq: 12 Mar 2020 20:49

Instrument :

BNA_G

ClientSampleId :

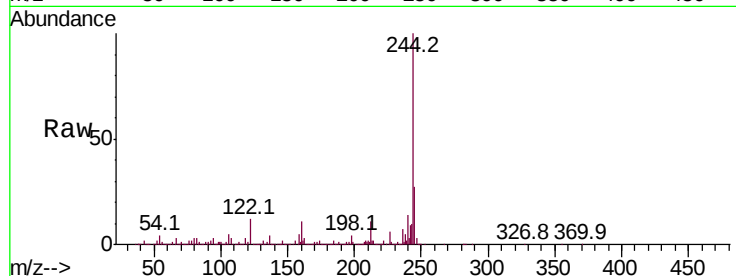
Tot Ion:184 Resp: 57493

Ion Ratio Lower Upper

184 100

185 14.4 12.9 19.3

183 7.0 10.6 15.8#

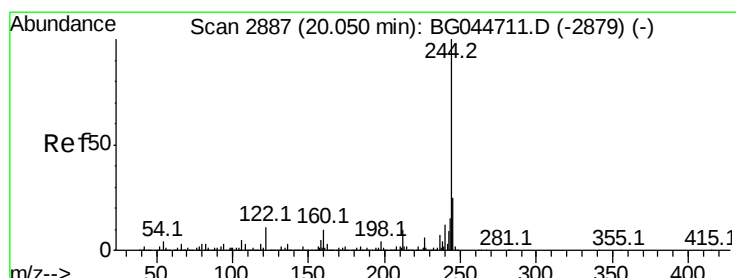
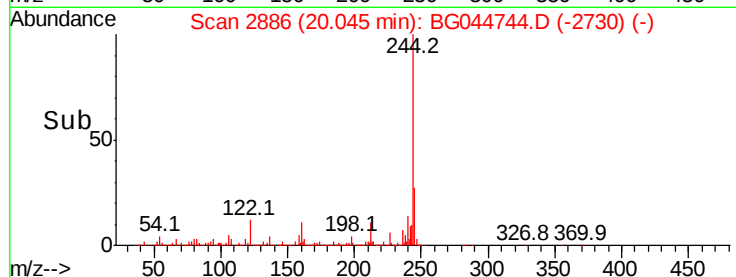
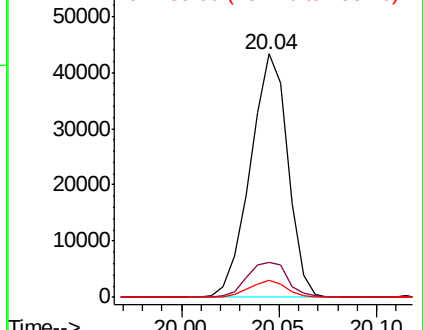


Abundance

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: 84.813 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044744.D

Acq: 12 Mar 2020 20:49

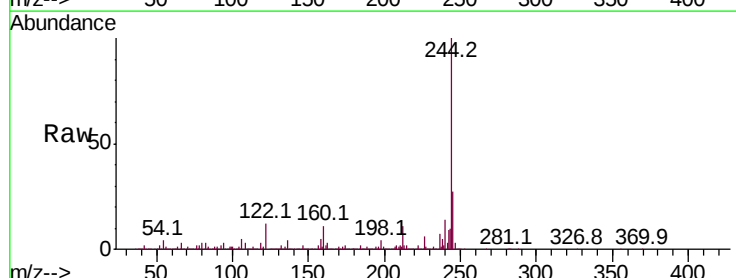
Tgt Ion:244 Resp: 2689461

Ion Ratio Lower Upper

244 100

212 10.8 8.4 12.6

122 11.8 8.7 13.1

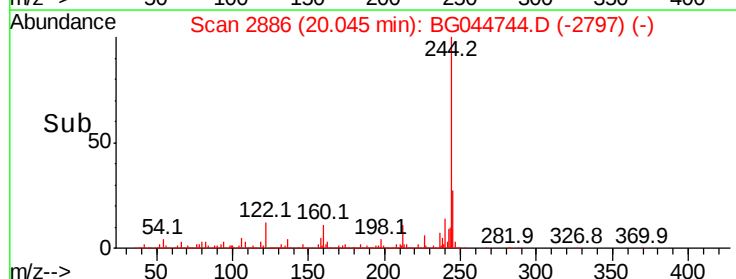
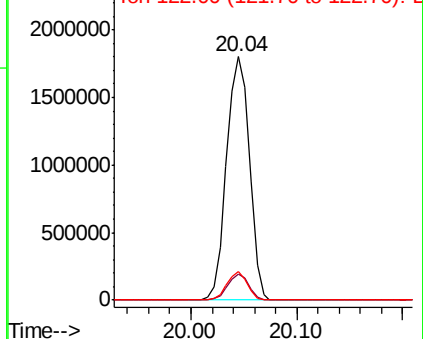


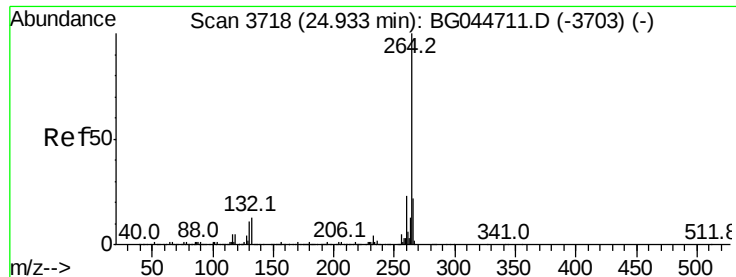
Abundance

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

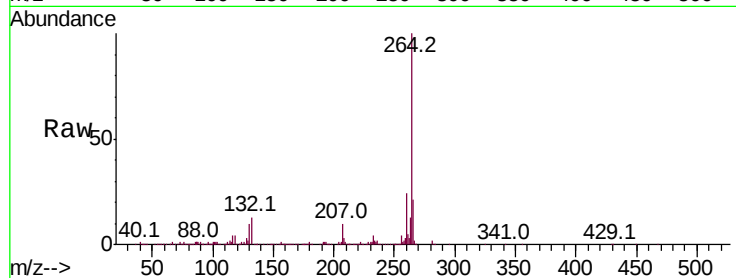




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.01 min
Lab File: BG044744.D
Acq: 12 Mar 2020 20:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	661270
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	20.8	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

