

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044734.D
 Acq On : 12 Mar 2020 14:12
 Operator : CG/JU
 Sample : L1873-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:07:37 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

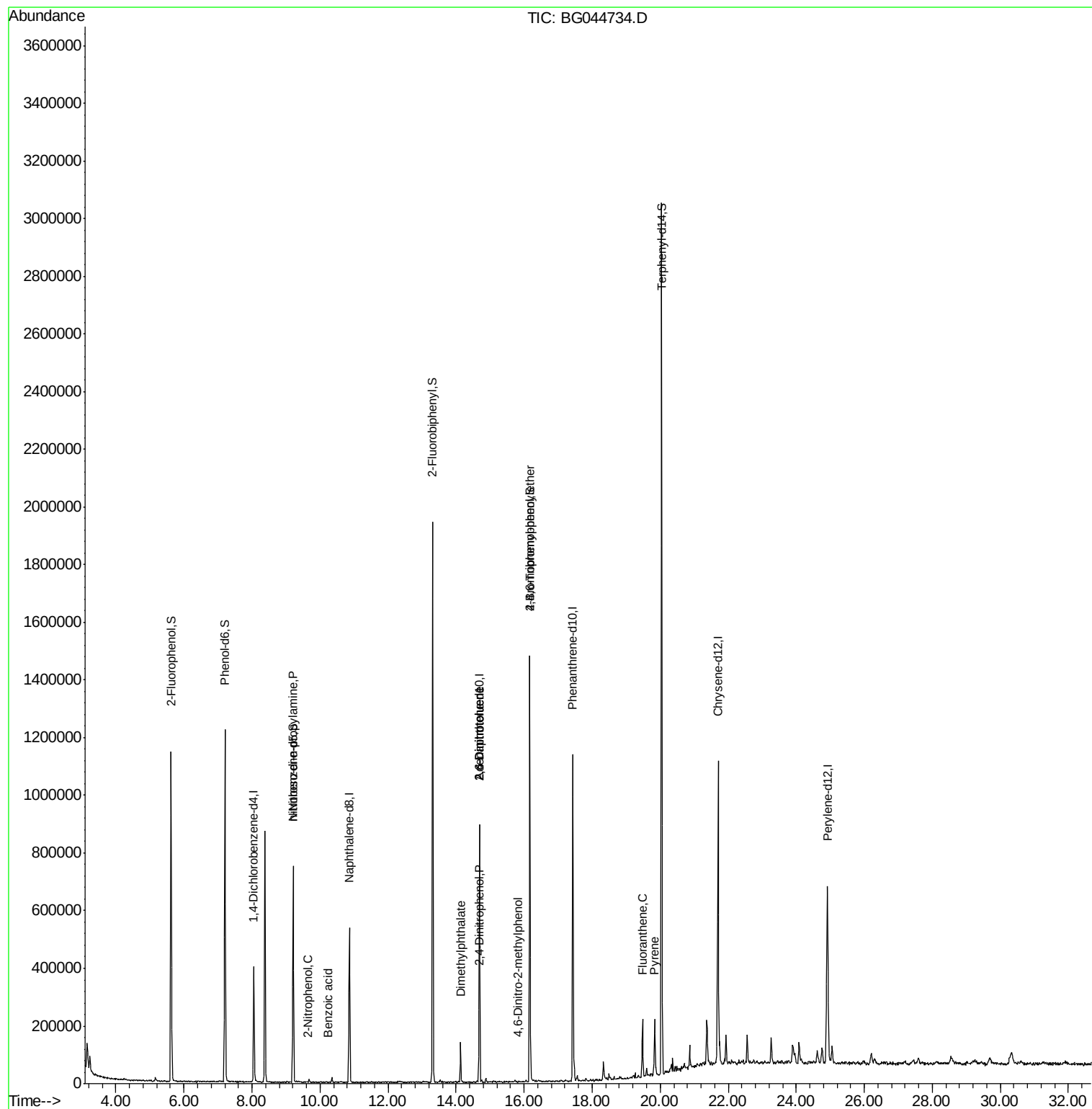
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	113131	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	445491	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	309568	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	687089	20.00	ng	0.00
76) Chrysene-d12	21.70	240	603827	20.00	ng	-0.01
87) Perylene-d12	24.92	264	677894	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	513136	70.61	ng	0.00
7) Phenol-d6	7.21	99	741661	70.24	ng	0.00
23) Nitrobenzene-d5	9.21	82	485558	47.83	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	274352	67.69	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1006420	46.56	ng	0.00
79) Terphenyl-d14	20.05	244	1476488	45.74	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	1783	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.21	70	64014	8.586 ng	#	70
26) 2-Nitrophenol	9.62	139	96	5.538 ng	#	28
32) Benzoic acid	10.23	122	93	9.685 ng	#	1
50) Dimethylphthalate	14.13	163	90963	3.689 ng		98
51) 2,6-Dinitrotoluene	14.69	165	40406	8.130 ng	#	19
54) 2,4-Dinitrophenol	14.66	184	54	8.341 ng	#	2
57) 2,4-Dinitrotoluene	14.69	165	40406	5.928 ng	#	17
65) 4,6-Dinitro-2-methylphenol	15.82	198	62	7.744 ng	#	11
67) 4-Bromophenyl-phenylether	16.17	248	19232	2.239 ng	#	1
75) Fluoranthene	19.48	202	115205	2.635 ng		95
78) Pyrene	19.84	202	107963	2.437 ng		97

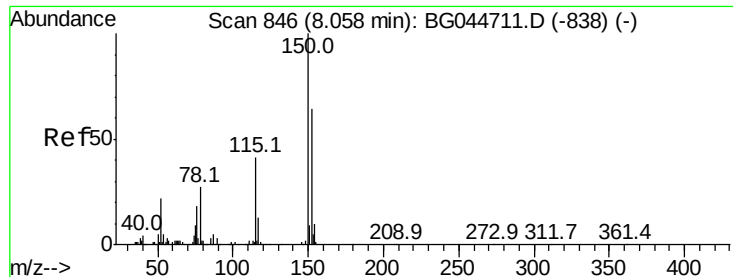
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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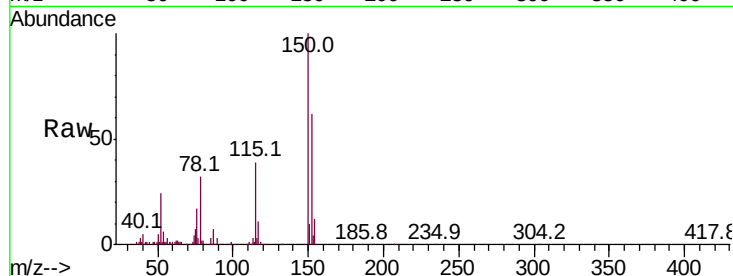


#1

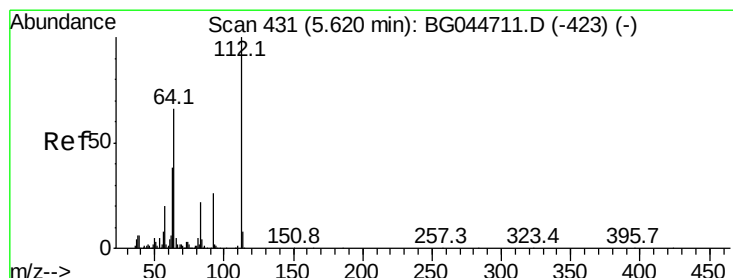
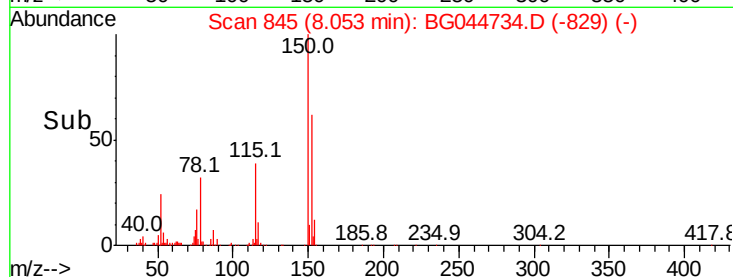
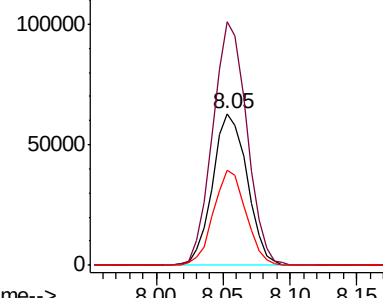
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	125.3	187.9
115	62.2	51.7	77.5



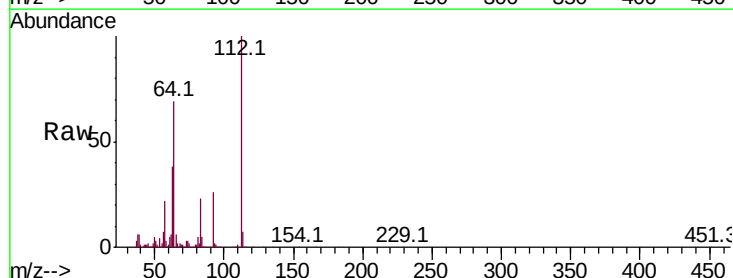
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



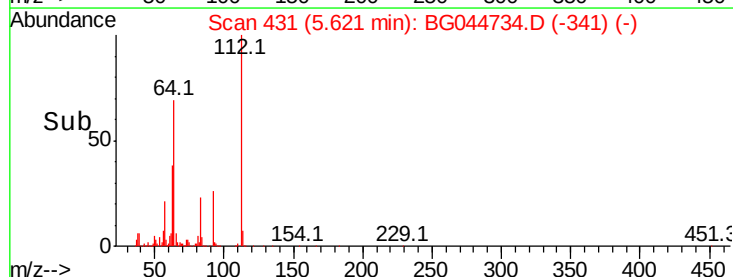
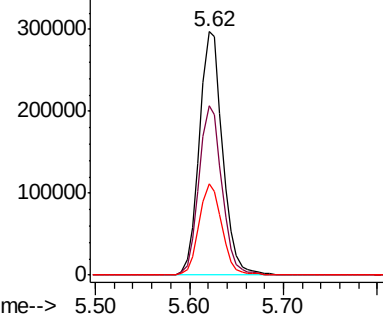
#5

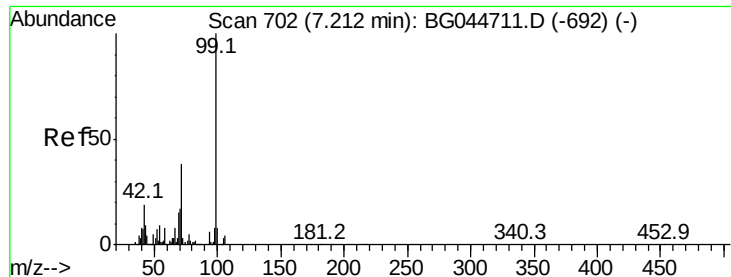
2-Fluorophenol
Concen: 70.608 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	52.6	78.8
63	37.5	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: 70.240 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044734.D

Acq: 12 Mar 2020 14:12

Instrument :

BNA_G

ClientSampled :

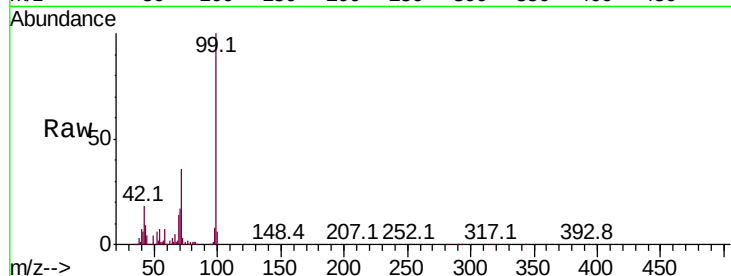
Tot Ion: 99 Resp: 741661

Ion Ratio Lower Upper

99 100

42 17.7 15.4 23.0

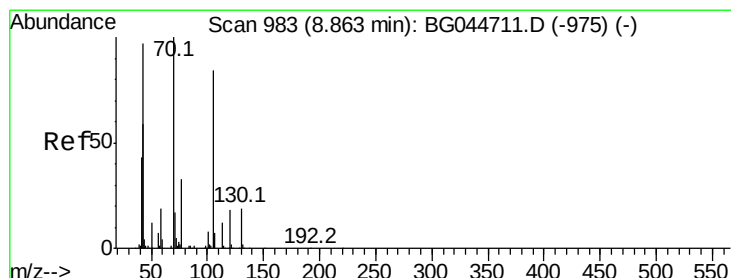
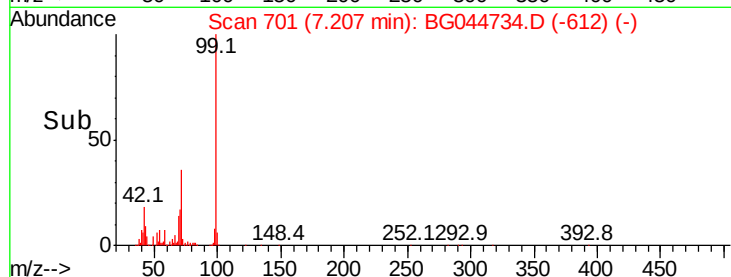
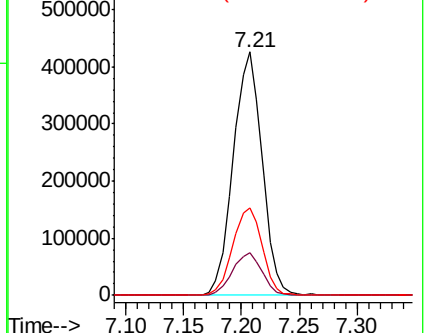
71 36.0 30.2 45.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.586 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044734.D

Acq: 12 Mar 2020 14:12

Tgt Ion: 70 Resp: 64014

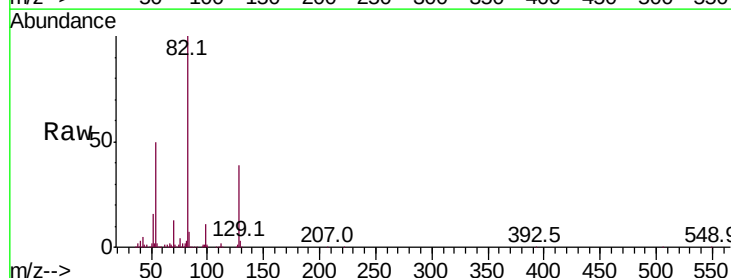
Ion Ratio Lower Upper

70 100

42 38.3 47.6 71.4#

101 0.0 6.5 9.7#

130 1.3 15.0 22.4#

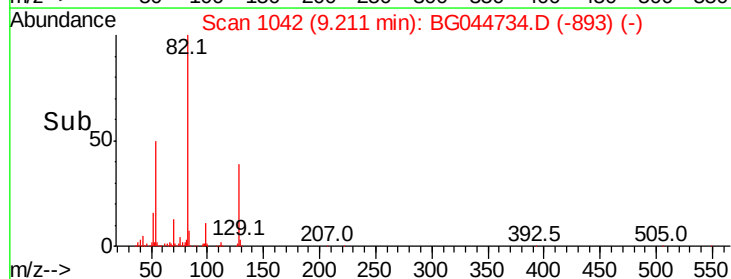
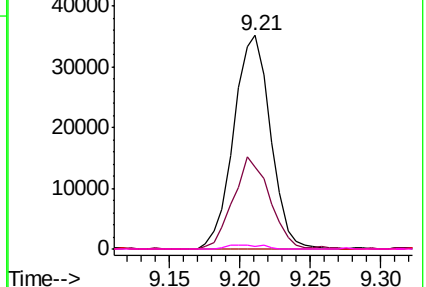


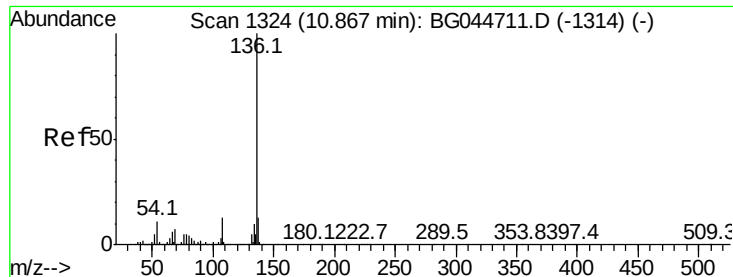
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

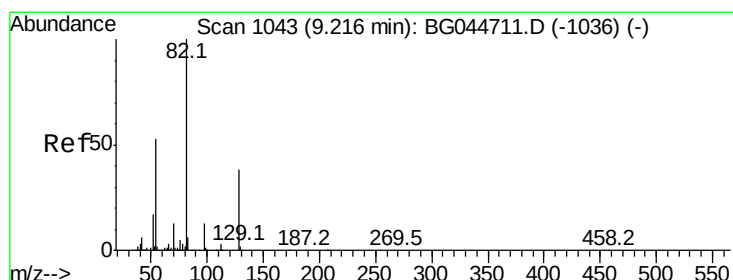
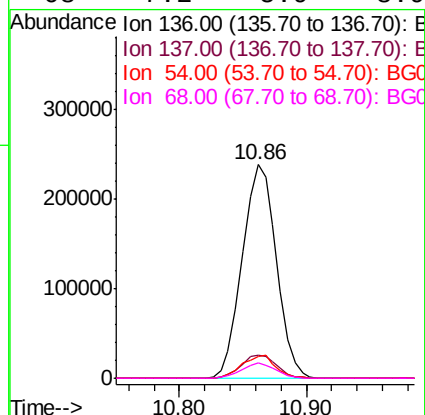
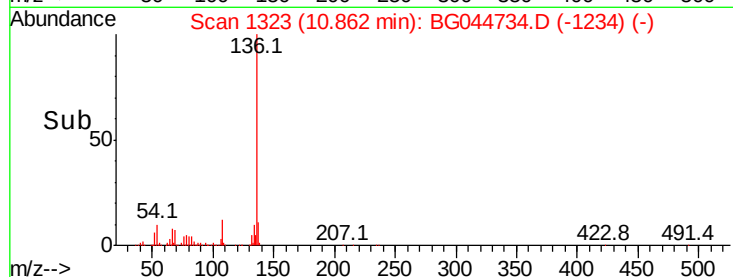
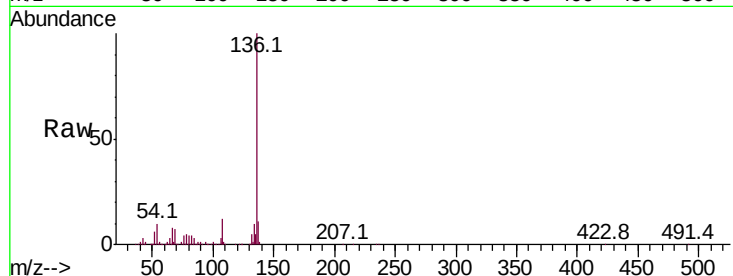




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

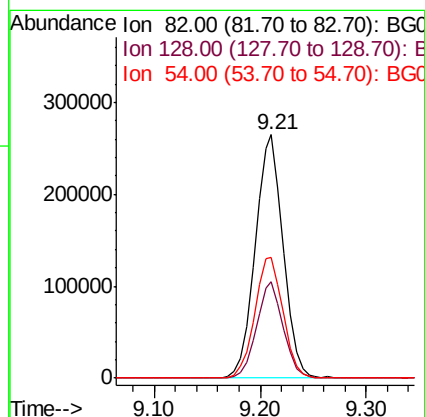
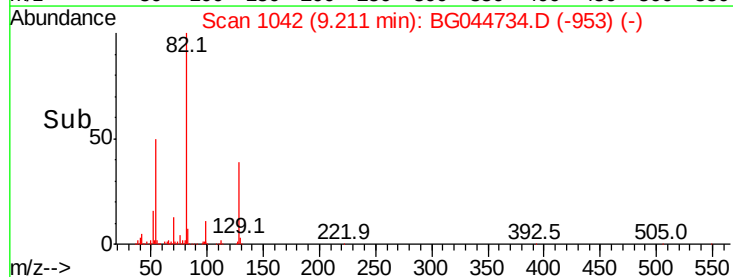
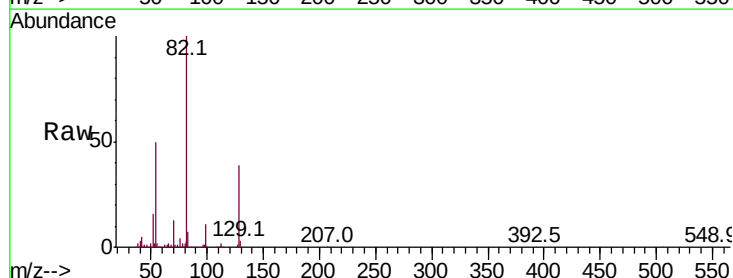
Instrument :
BNA_G
ClientSampleId :

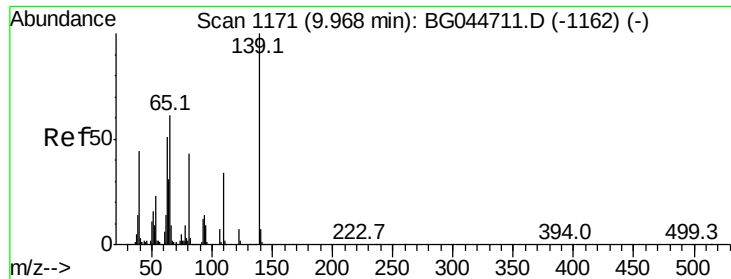
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.6	10.7	16.1#
54	10.1	9.0	13.4
68	7.2	5.9	8.9



#23
Nitrobenzene-d5
Concen: 47.828 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.4	30.2	45.2
54	49.7	41.8	62.8

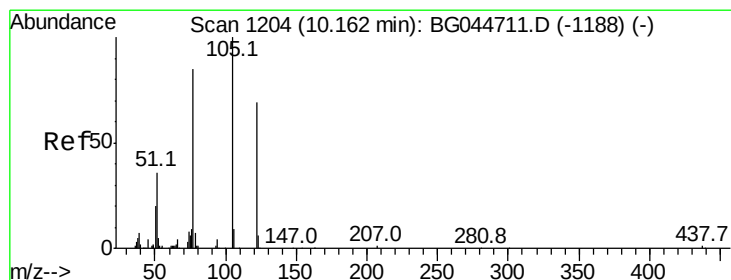
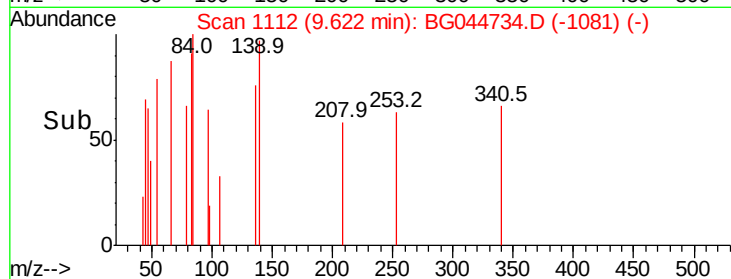
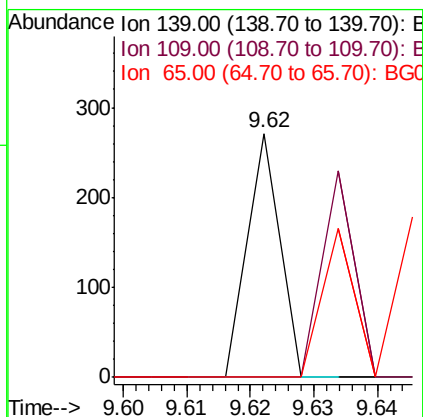
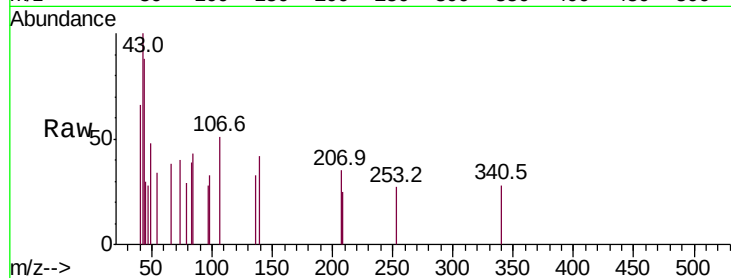




#26
2-Nitrophenol
Concen: 5.538 ng
RT: 9.62 min Scan# 1112
Delta R.T. -0.34 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

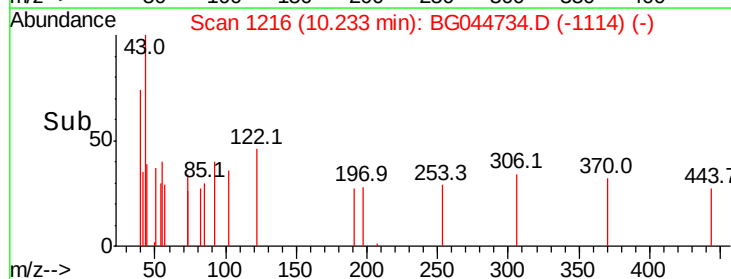
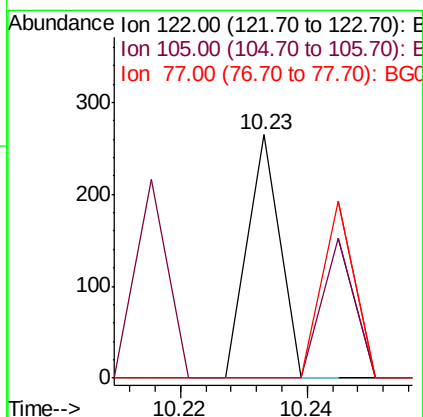
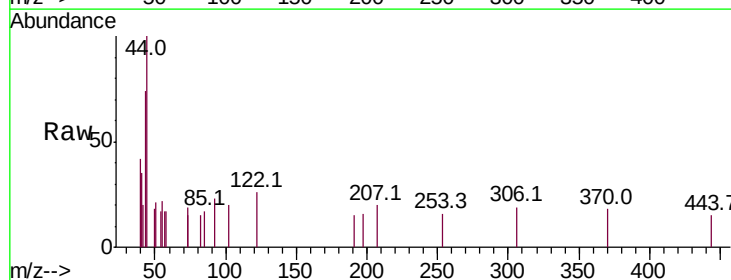
Instrument :
BNA_G
ClientSampled :

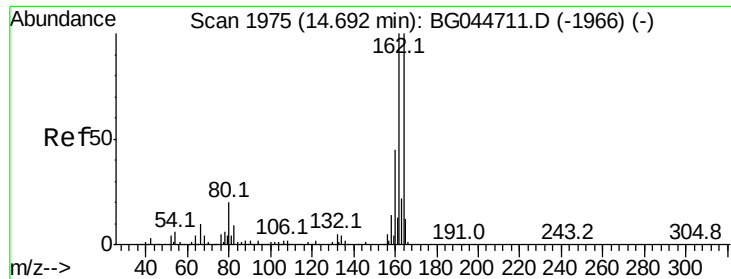
Tot Ion:139 Resp: 96
Ion Ratio Lower Upper
139 100
109 0.0 27.0 40.4#
65 0.0 48.6 73.0#



#32
Benzoic acid
Concen: 9.685 ng
RT: 10.23 min Scan# 1216
Delta R.T. 0.07 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

Tgt Ion:122 Resp: 93
Ion Ratio Lower Upper
122 100
105 0.0 119.0 159.0#
77 0.0 96.4 136.4#

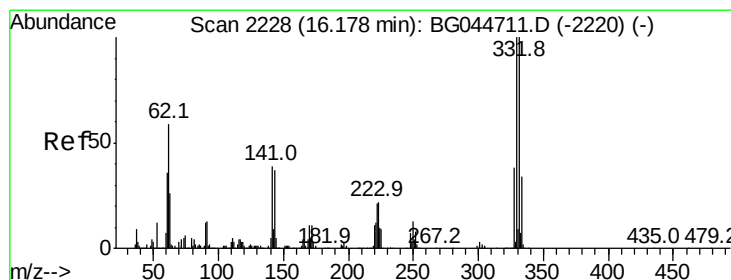
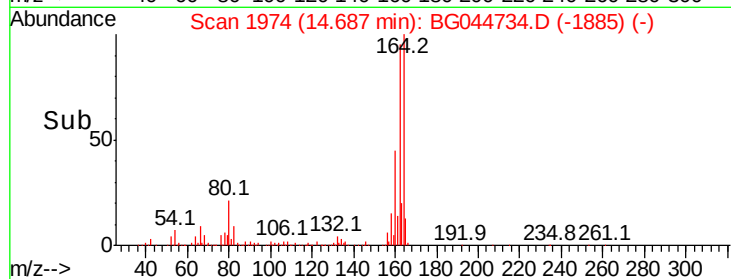
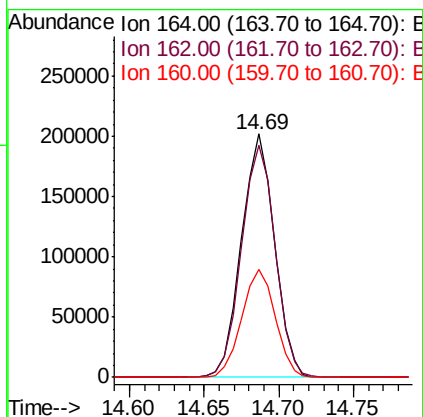
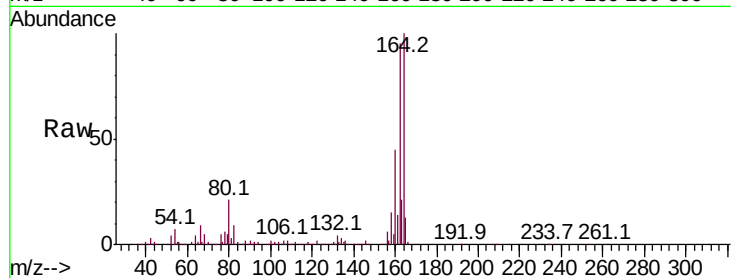




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

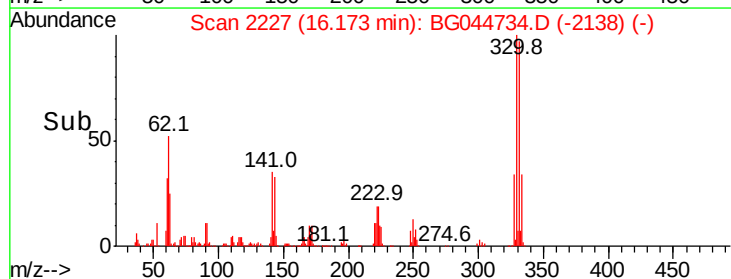
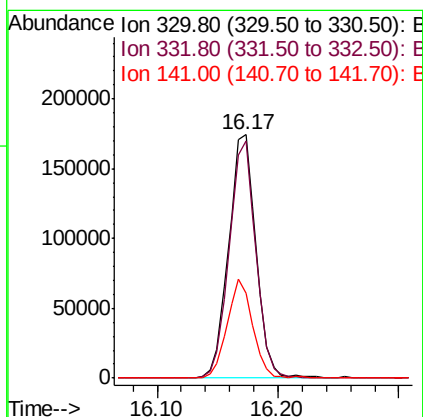
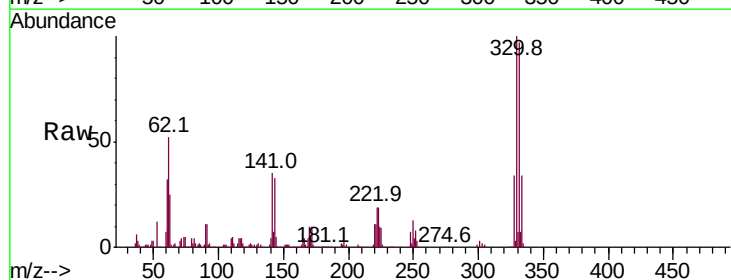
Instrument :
BNA_G
ClientSampled :

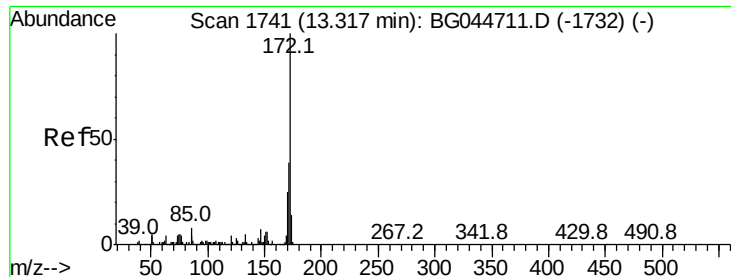
Tot Ion:164 Resp: 309568
Ion Ratio Lower Upper
164 100
162 95.2 80.2 120.4
160 44.5 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 67.686 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

Tgt Ion:330 Resp: 274352
Ion Ratio Lower Upper
330 100
332 95.4 77.5 116.3
141 38.1 31.7 47.5

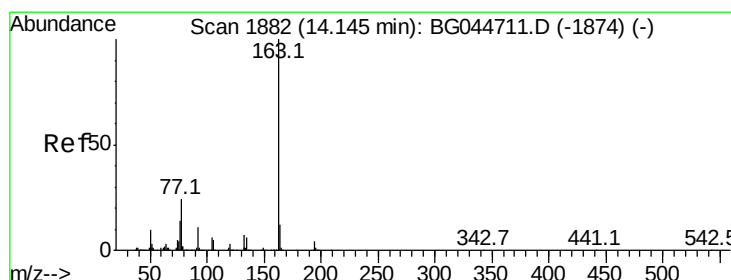
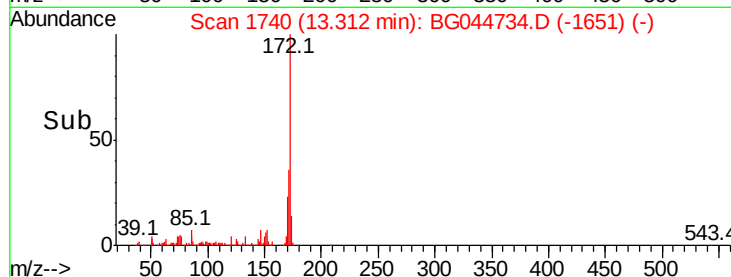
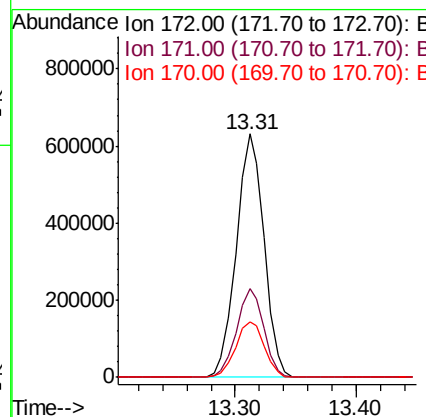
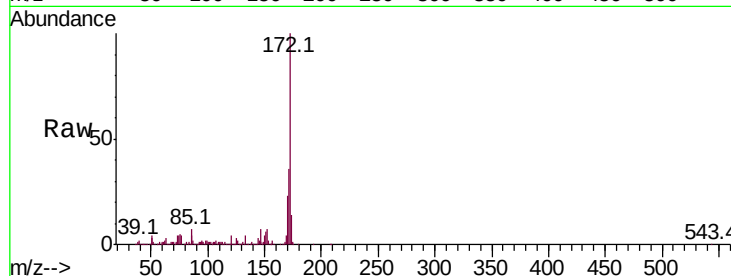




#45
2-Fluorobiphenyl
Concen: 46.556 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

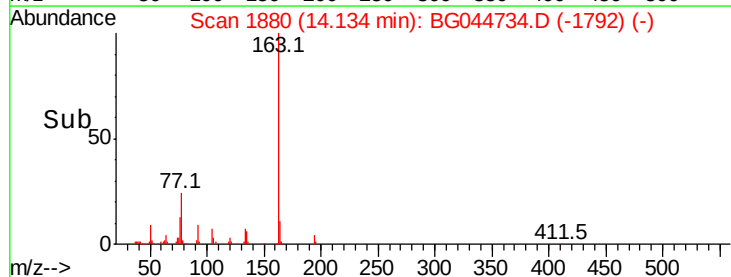
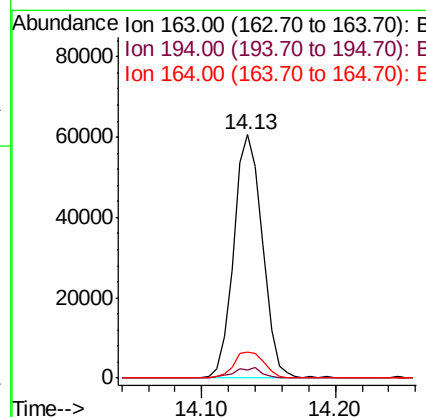
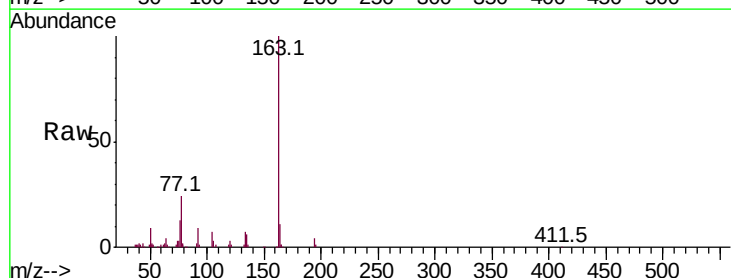
Instrument :
BNA_G
ClientSampleId :

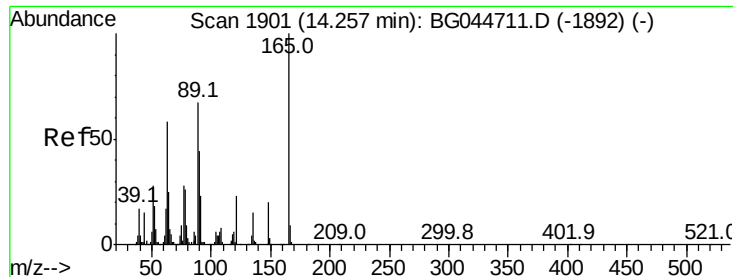
Tot Ion:172 Resp: 1006420
Ion Ratio Lower Upper
172 100
171 36.4 30.8 46.2
170 22.6 20.0 30.0



#50
Dimethylphthalate
Concen: 3.689 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

Tgt Ion:163 Resp: 90963
Ion Ratio Lower Upper
163 100
194 3.6 3.5 5.3
164 10.7 9.2 13.8

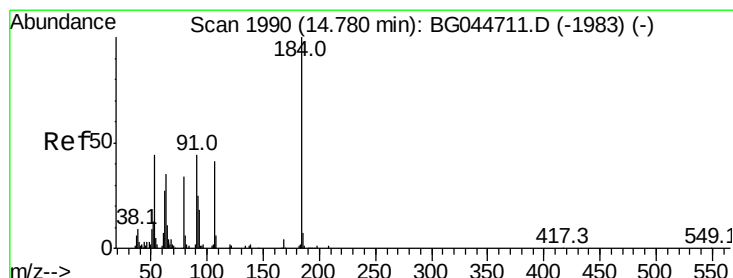
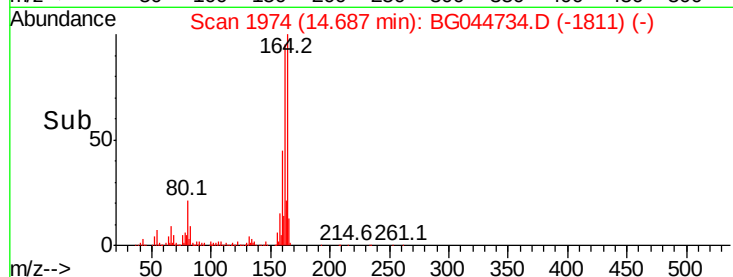
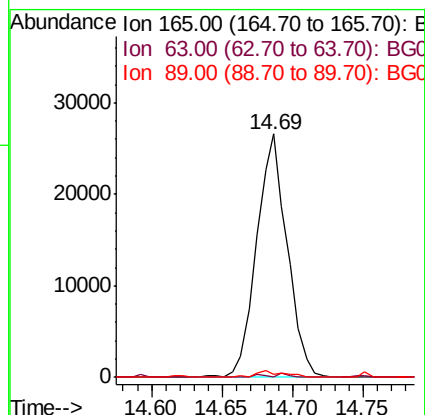
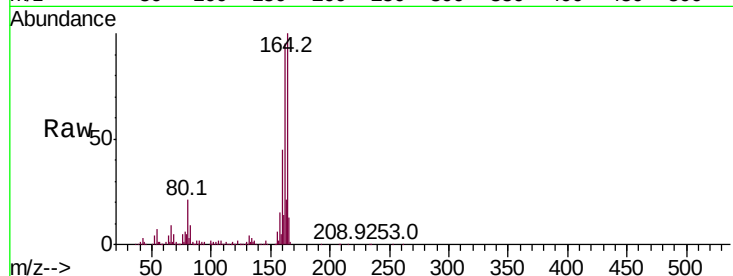




#51
2,6-Dinitrotoluene
Concen: 8.130 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.43 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

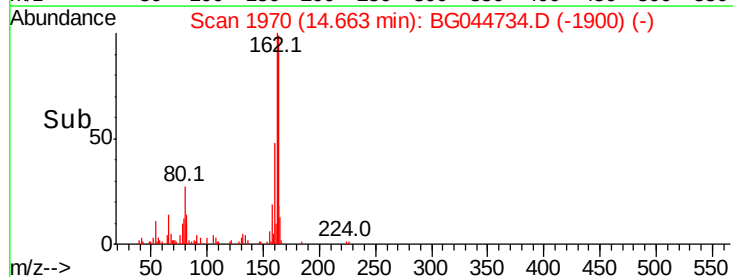
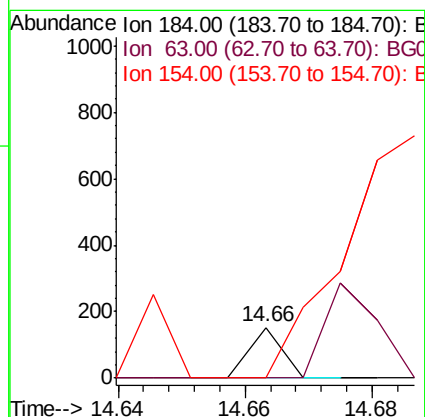
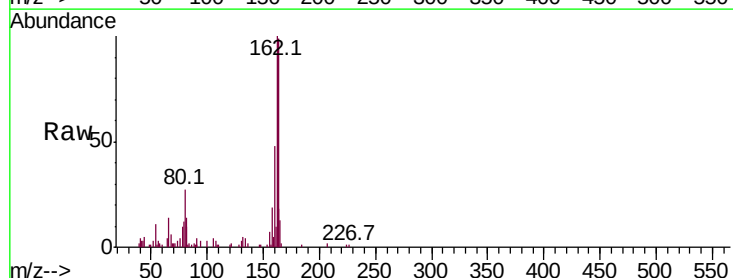
Instrument :
BNA_G
ClientSampleId :

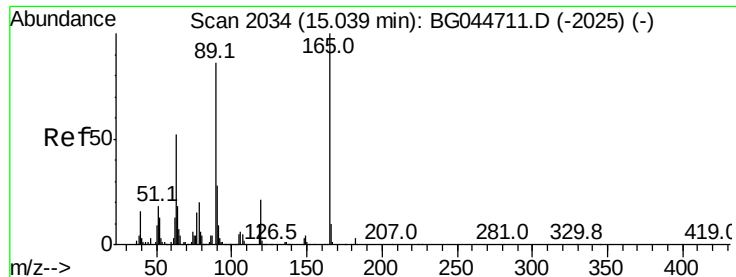
Tot Ion:165 Resp: 40406
Ion Ratio Lower Upper
165 100
63 0.0 48.9 73.3#
89 1.5 53.8 80.8#



#54
2,4-Dinitrophenol
Concen: 8.341 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.12 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 0.0 94.5 141.7#

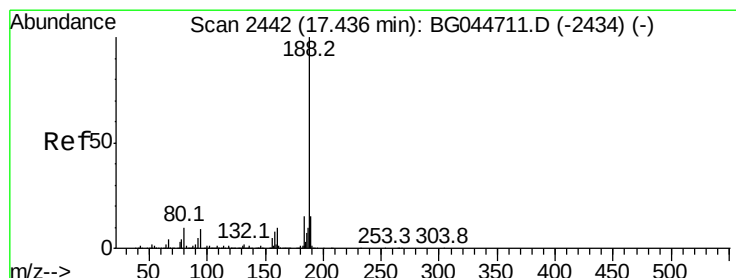
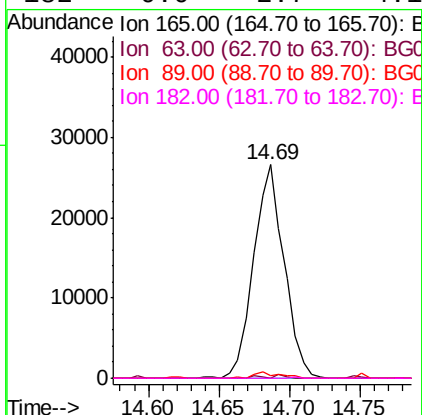
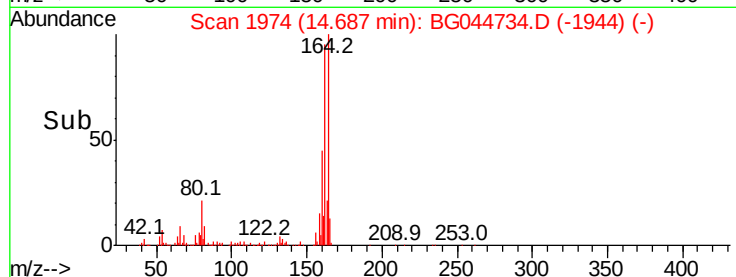
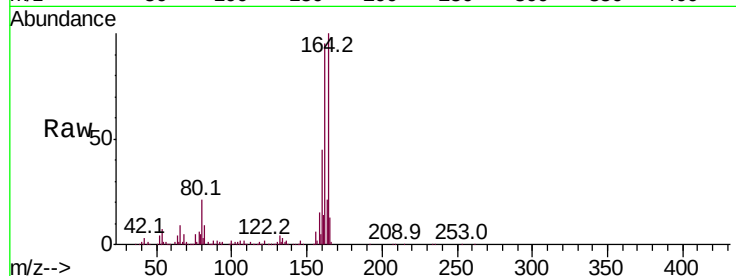




#57
2,4-Dinitrotoluene
Concen: 5.928 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

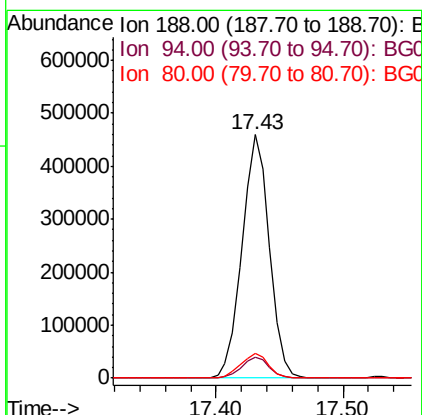
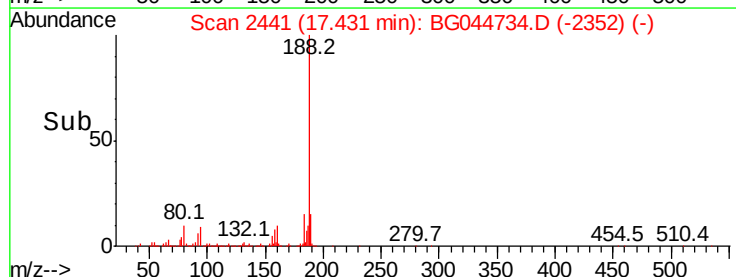
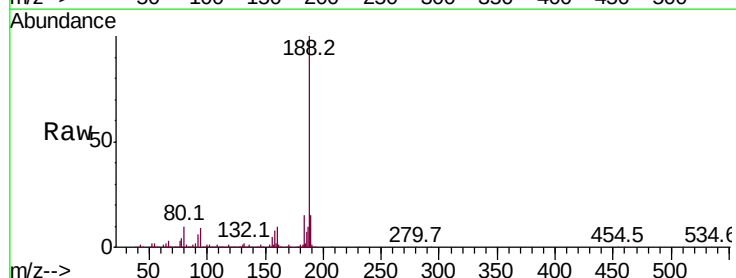
Instrument :
BNA_G
ClientSampleId :

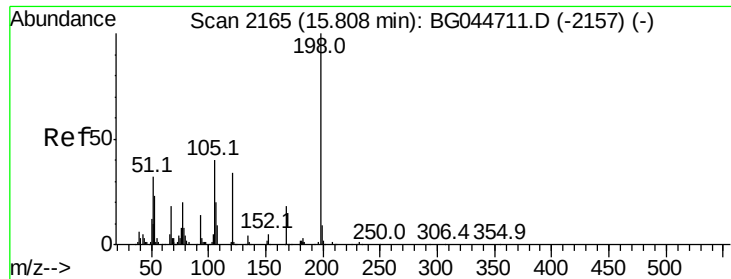
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.5	62.3#
89	1.5	69.0	103.4#
182	0.0	2.7	4.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.0	10.6
80	10.0	8.4	12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.744 ng

RT: 15.82 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BG044734.D

Acq: 12 Mar 2020 14:12

Instrument :

BNA_G

ClientSampled :

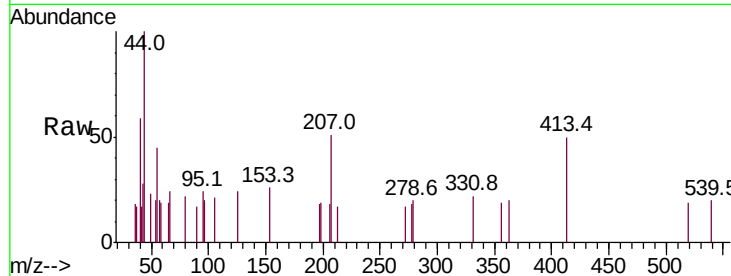
Tot Ion:198 Resp: 62

Ion Ratio Lower Upper

198 100

51 0.0 20.1 60.1#

105 111.9 21.3 61.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

250

200

150

100

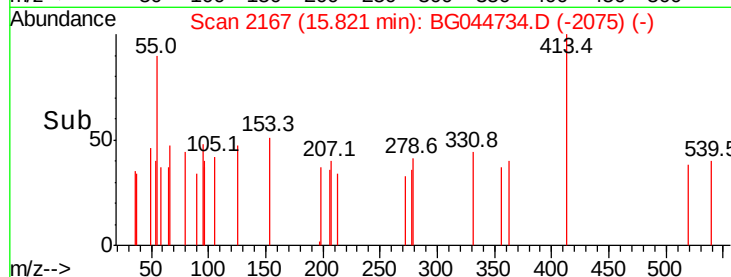
50

0

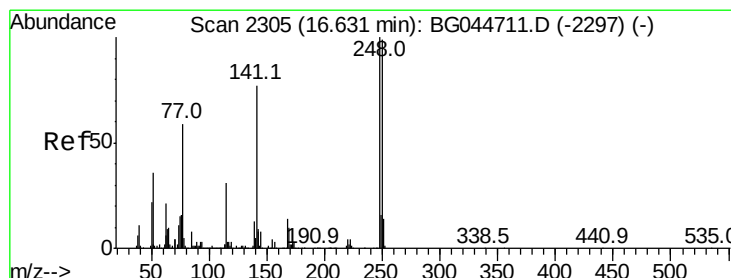
15.80

15.82

15.84



Time--> 15.80 15.82 15.84



#67

4-Bromophenyl-phenylether

Concen: 2.239 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG044734.D

Acq: 12 Mar 2020 14:12

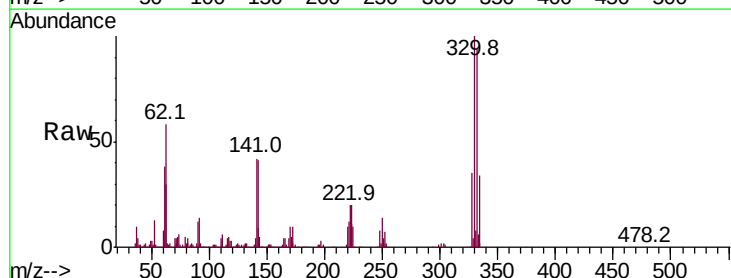
Tgt Ion:248 Resp: 19232

Ion Ratio Lower Upper

248 100

250 182.3 79.4 119.0#

141 552.4 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

80000

60000

40000

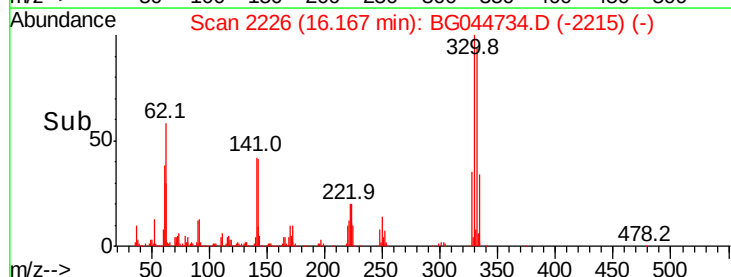
20000

0

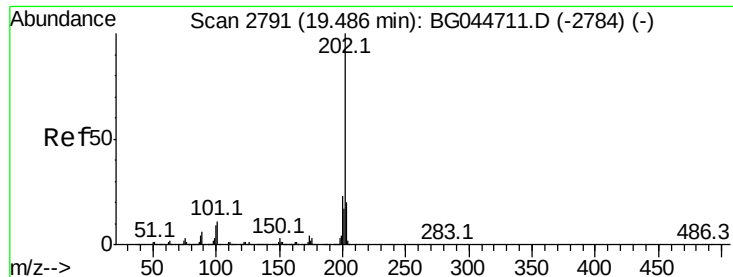
16.10

16.15

16.20



Time--> 16.10 16.15 16.20



#75

Fluoranthene

Concen: 2.635 ng

RT: 19.48 min Scan# 2790

Delta R.T. -0.01 min

Lab File: BG044734.D

Acq: 12 Mar 2020 14:12

Instrument :

BNA_G

ClientSampleId :

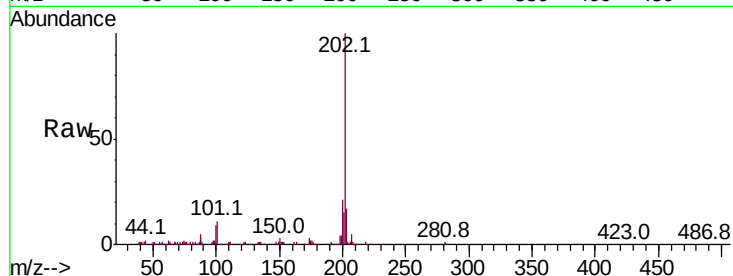
Tot Ion:202 Resp: 115205

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.3

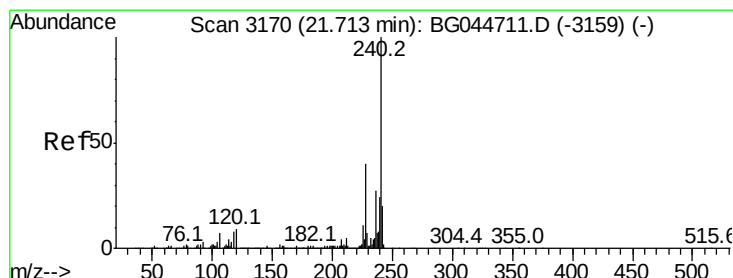
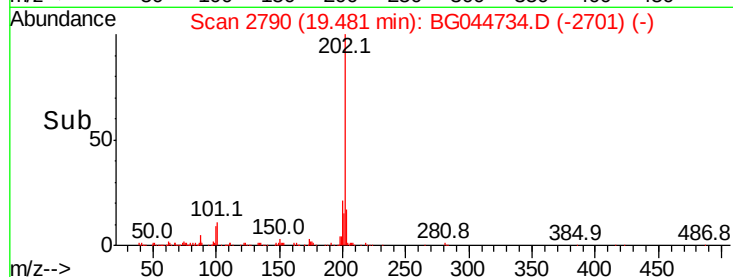
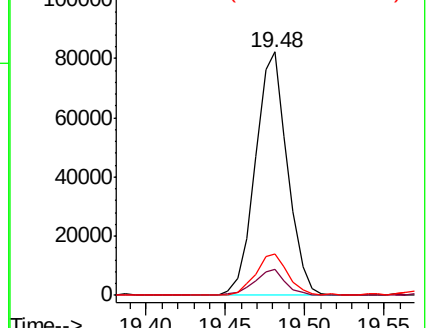
203 17.0 0.4 40.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG044734.D

Acq: 12 Mar 2020 14:12

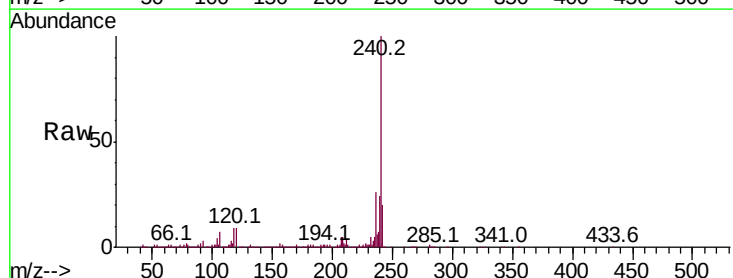
Tgt Ion:240 Resp: 603827

Ion Ratio Lower Upper

240 100

120 9.1 6.9 10.3

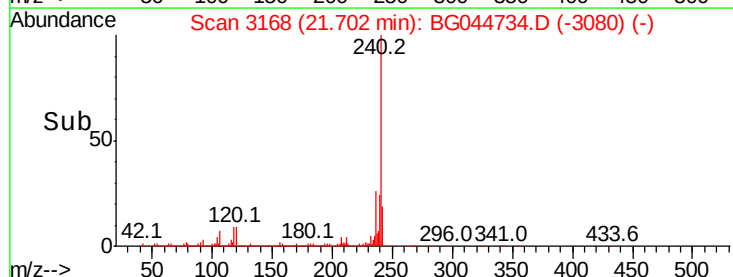
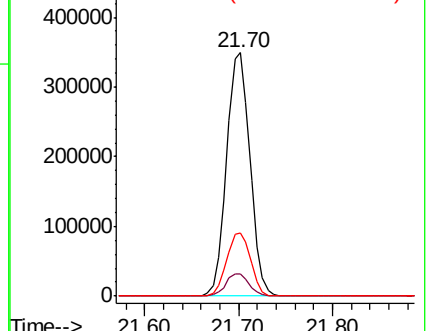
236 26.0 21.9 32.9

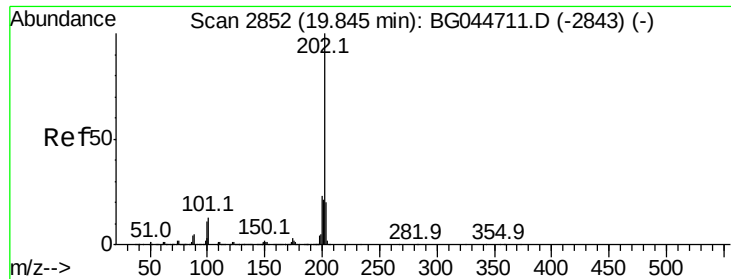


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.437 ng

RT: 19.84 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG044734.D

Acq: 12 Mar 2020 14:12

Instrument :

BNA_G

ClientSampleId :

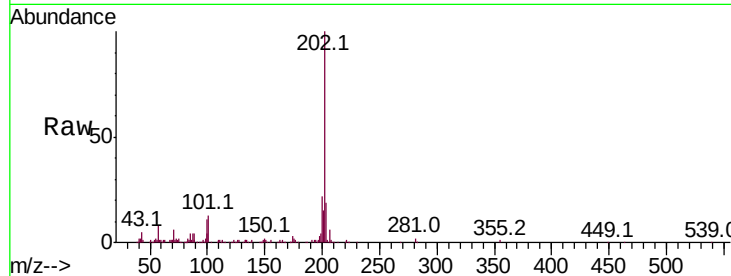
Tot Ion:202 Resp: 107963

Ion Ratio Lower Upper

202 100

200 22.3 18.7 28.1

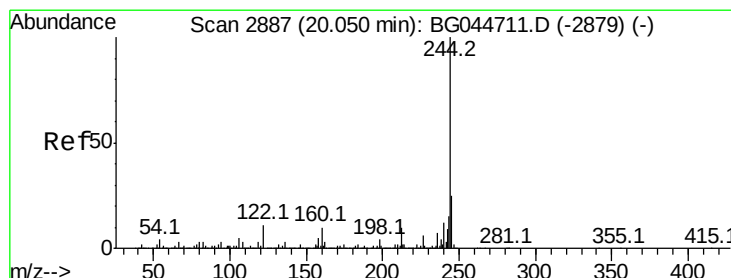
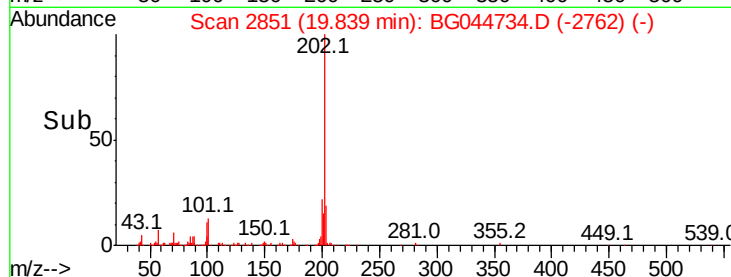
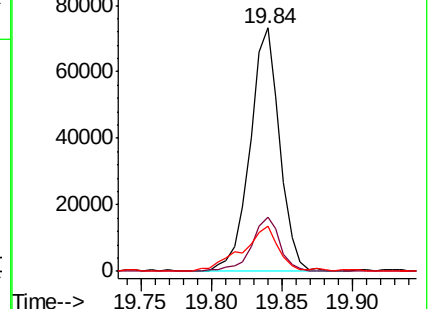
203 18.6 16.0 24.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 45.739 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044734.D

Acq: 12 Mar 2020 14:12

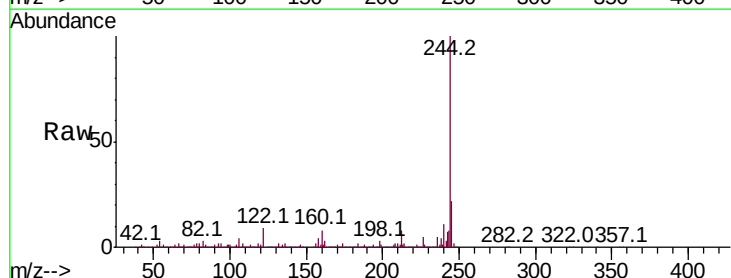
Tgt Ion:244 Resp: 1476488

Ion Ratio Lower Upper

244 100

212 8.3 8.4 12.6#

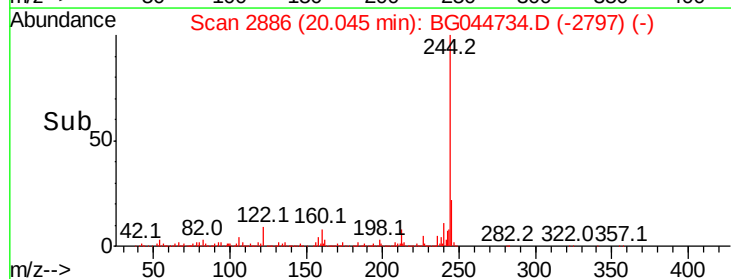
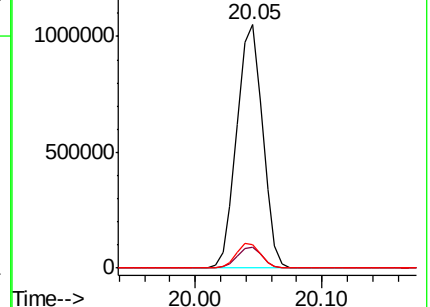
122 9.4 8.7 13.1

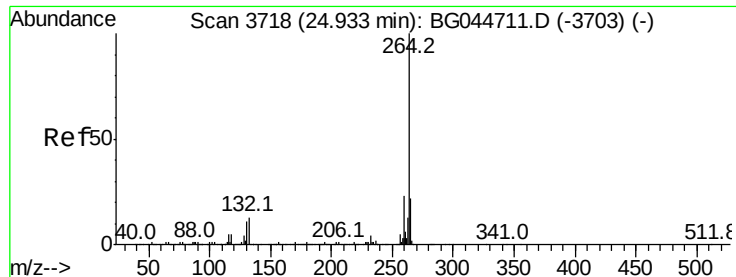


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3715
Delta R.T. -0.02 min
Lab File: BG044734.D
Acq: 12 Mar 2020 14:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.4	27.6
265	22.6	17.4	26.2

