

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044743.D
 Acq On : 12 Mar 2020 20:09
 Operator : CG/JU
 Sample : L1889-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:09:23 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

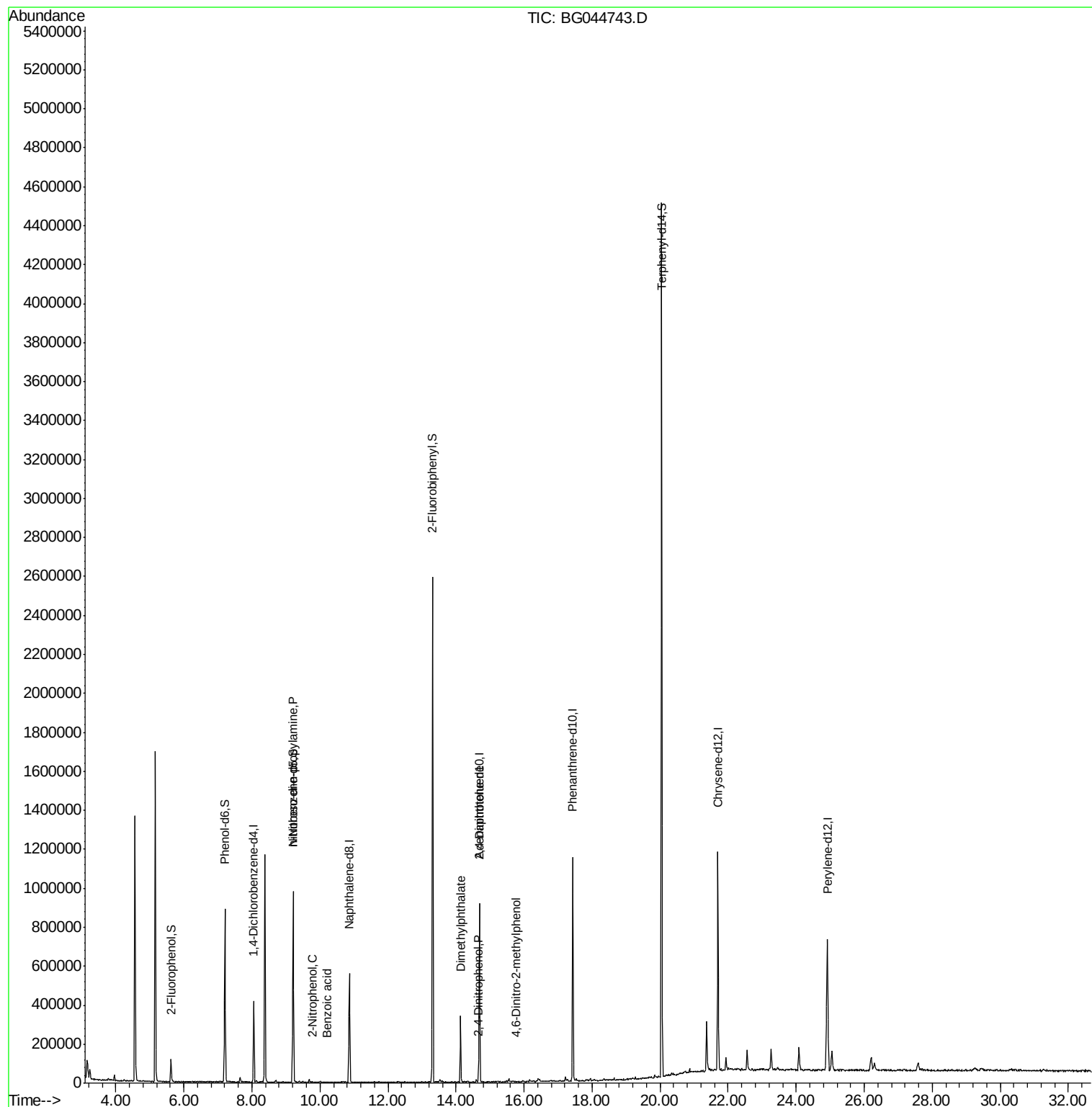
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	117994	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	468138	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	336502	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	713479	20.00	ng	0.00
76) Chrysene-d12	21.70	240	630805	20.00	ng	-0.02
87) Perylene-d12	24.92	264	717828	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	50326	6.64	ng	0.00
7) Phenol-d6	7.21	99	538889	48.93	ng	0.00
23) Nitrobenzene-d5	9.21	82	625446	58.63	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	1357	0.31	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1351161	57.50	ng	0.00
79) Terphenyl-d14	20.05	244	2022848	59.98	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	1229	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.20	70	84522	10.869 ng	#	73
26) 2-Nitrophenol	9.77	139	101	5.538 ng	#	28
32) Benzoic acid	10.20	122	66	9.680 ng	#	1
50) Dimethylphthalate	14.13	163	215176	8.029 ng		98
54) 2,4-Dinitrophenol	14.65	184	61	8.342 ng	#	2
57) 2,4-Dinitrotoluene	14.69	165	42829	5.781 ng	#	18
65) 4,6-Dinitro-2-methylphenol	15.78	198	117	7.757 ng	#	60

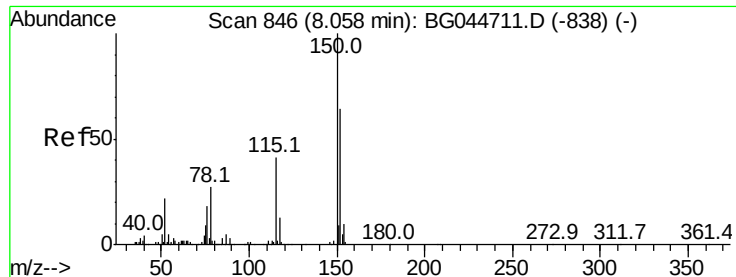
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
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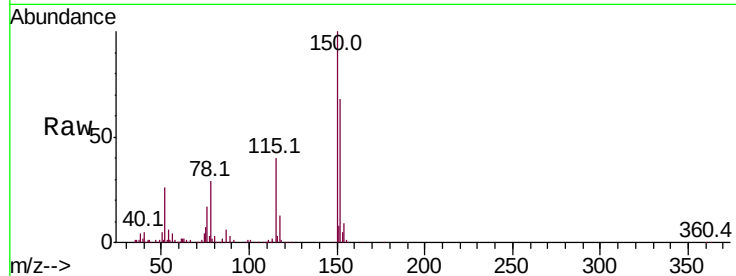


#1

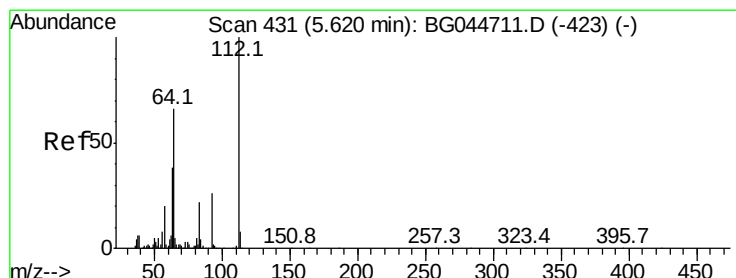
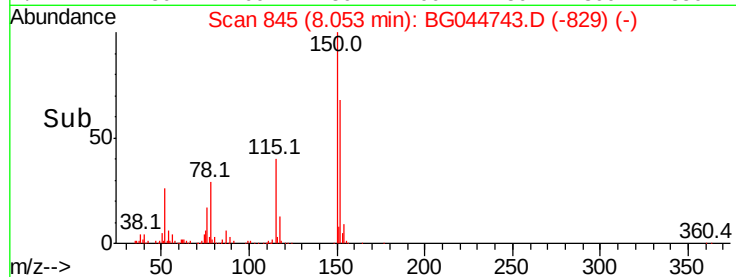
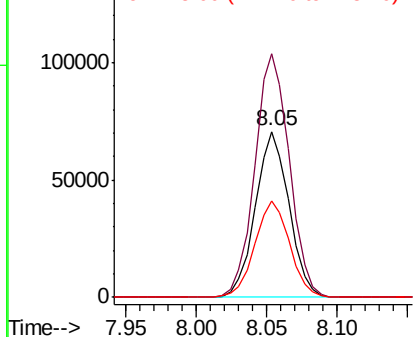
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044743.D
Acq: 12 Mar 2020 20:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.8	125.3	187.9
115	58.0	51.7	77.5



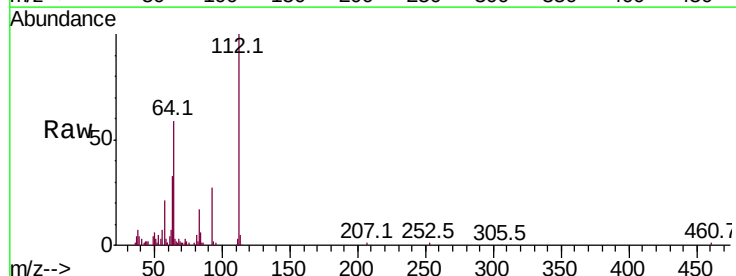
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



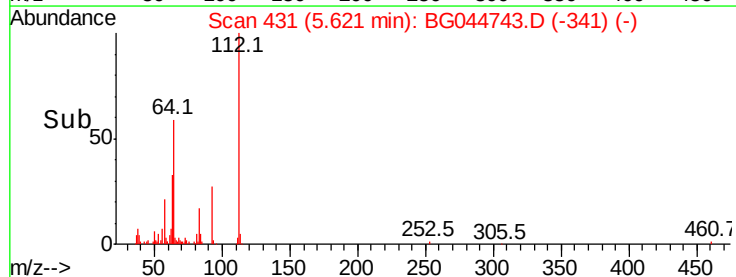
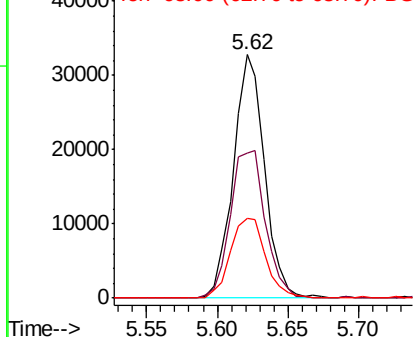
#5

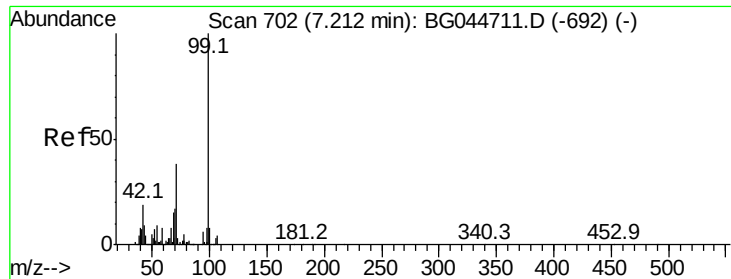
2-Fluorophenol
Concen: 6.639 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044743.D
Acq: 12 Mar 2020 20:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	52.6	78.8
63	32.6	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: 48.932 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044743.D

Acq: 12 Mar 2020 20:09

Instrument :

BNA_G

ClientSampleId :

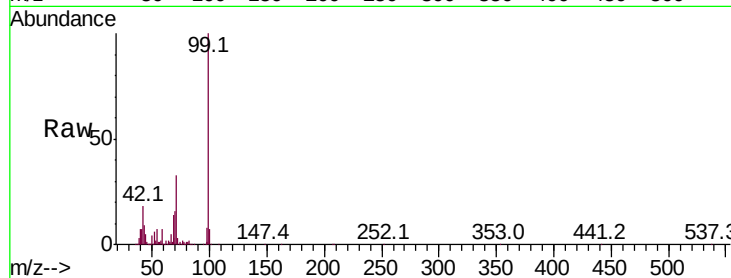
Tot Ion: 99 Resp: 538889

Ion Ratio Lower Upper

99 100

42 17.6 15.4 23.0

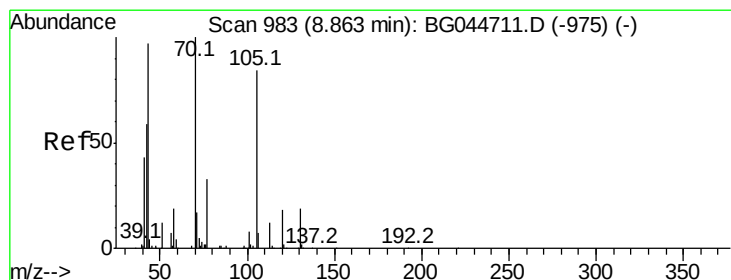
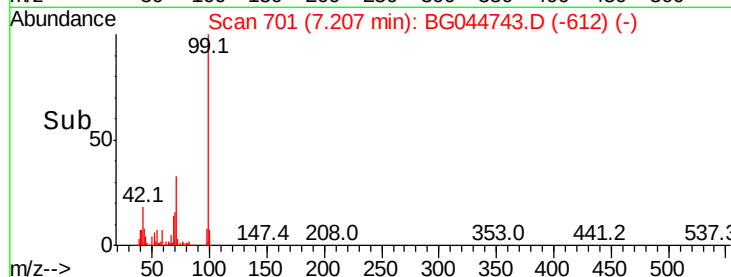
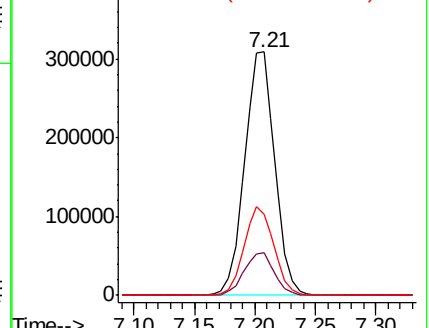
71 33.4 30.2 45.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.869 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG044743.D

Acq: 12 Mar 2020 20:09

Tgt Ion: 70 Resp: 84522

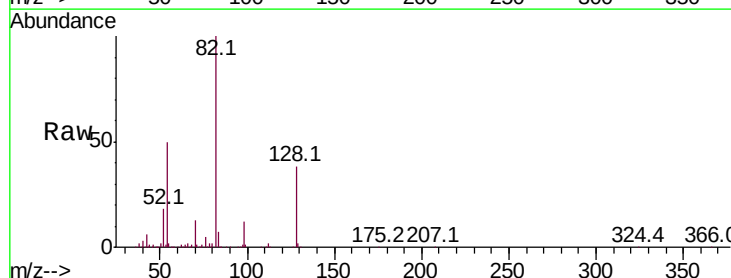
Ion Ratio Lower Upper

70 100

42 41.3 47.6 71.4#

101 0.0 6.5 9.7#

130 2.3 15.0 22.4#

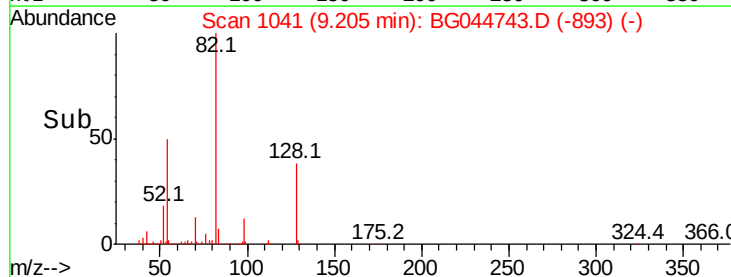
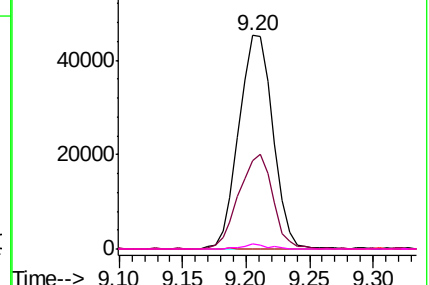


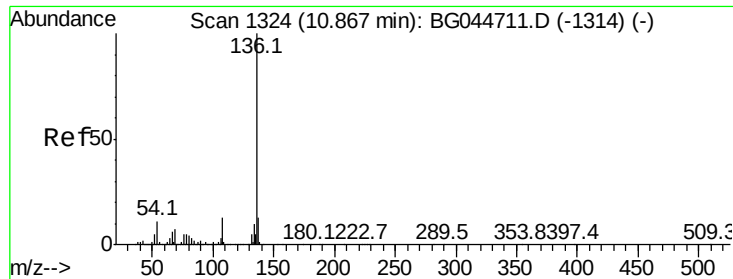
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

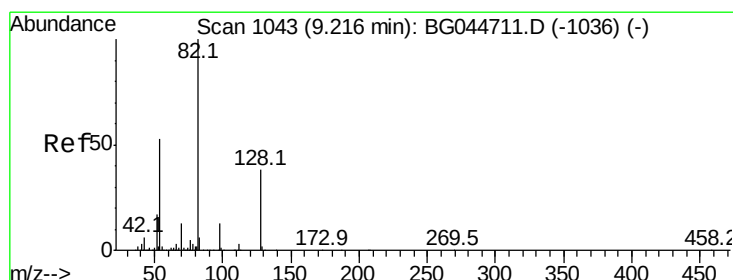
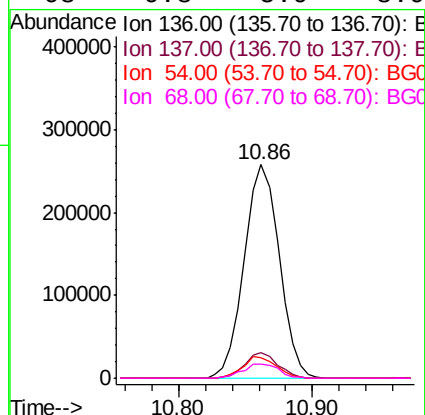
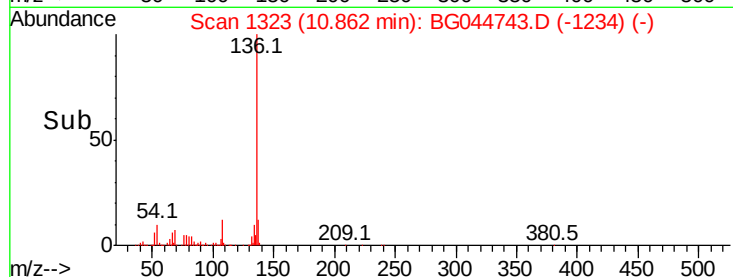
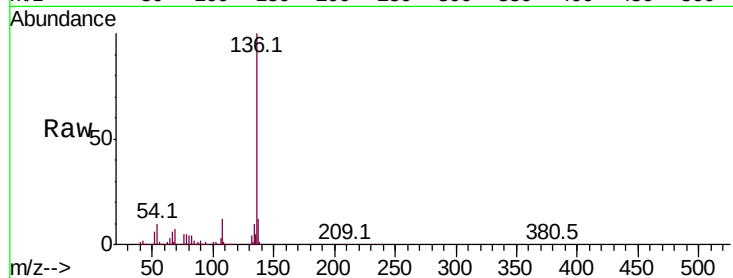




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044743.D
Acq: 12 Mar 2020 20:09

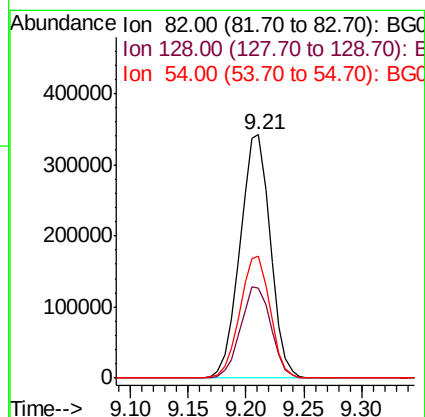
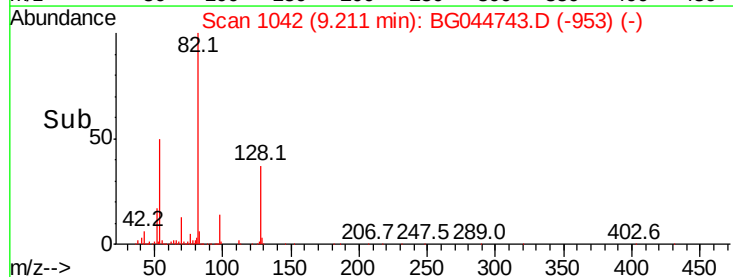
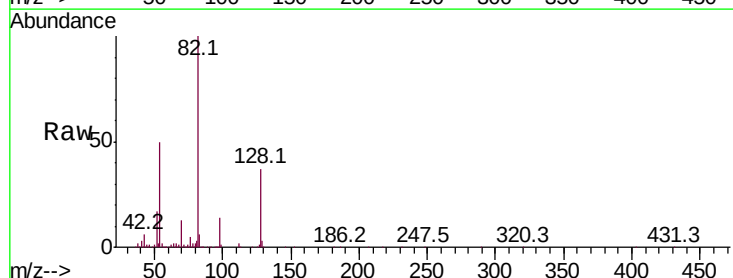
Instrument :
BNA_G
ClientSampleId :

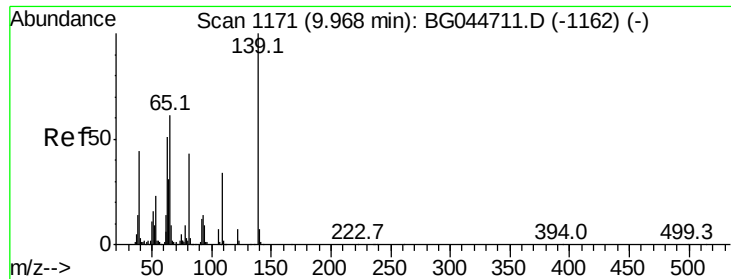
Tot Ion:136	Resp:	468138
Ion Ratio	Lower	Upper
136	100	
137	11.8	10.7 16.1
54	9.5	9.0 13.4
68	6.8	5.9 8.9



#23
Nitrobenzene-d5
Concen: 58.627 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044743.D
Acq: 12 Mar 2020 20:09

Tgt Ion: 82	Resp:	625446
Ion Ratio	Lower	Upper
82	100	
128	37.0	30.2 45.2
54	50.2	41.8 62.8





#26

2-Nitrophenol

Concen: 5.538 ng

RT: 9.77 min Scan# 1138

Delta R.T. -0.19 min

Lab File: BG044743.D

Acq: 12 Mar 2020 20:09

Instrument :

BNA_G

ClientSampled :

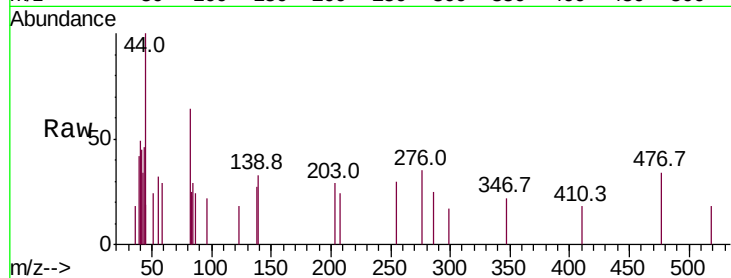
Tot Ion:139 Resp: 101

Ion Ratio Lower Upper

139 100

109 0.0 27.0 40.4#

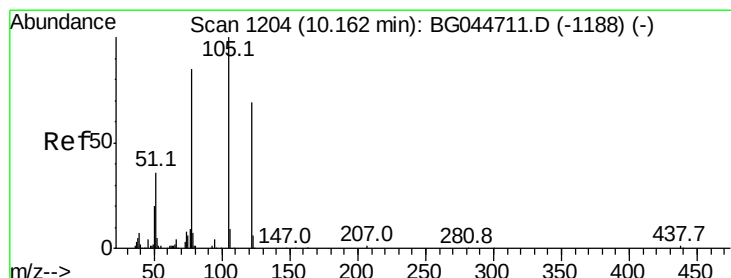
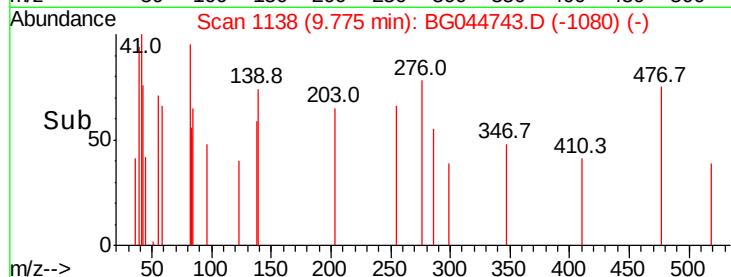
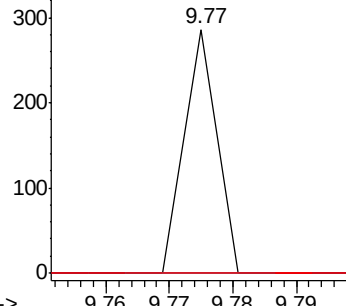
65 0.0 48.6 73.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#32

Benzoic acid

Concen: 9.680 ng

RT: 10.20 min Scan# 1211

Delta R.T. 0.04 min

Lab File: BG044743.D

Acq: 12 Mar 2020 20:09

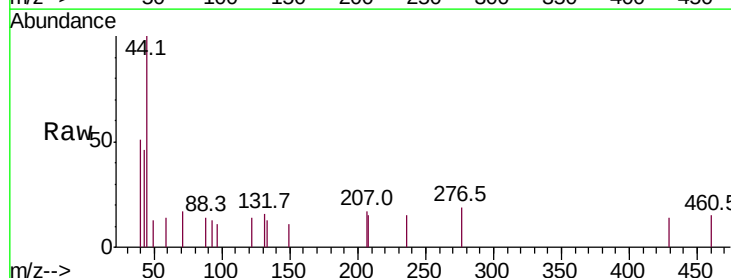
Tgt Ion:122 Resp: 66

Ion Ratio Lower Upper

122 100

105 0.0 119.0 159.0#

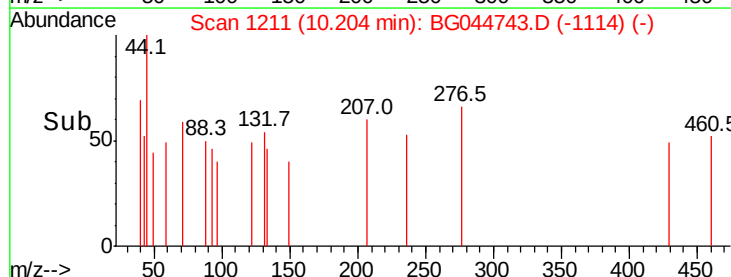
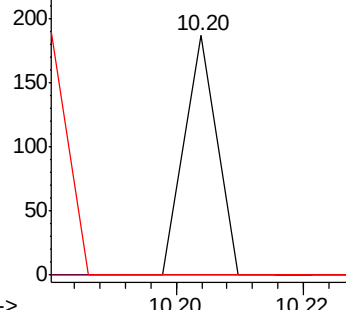
77 0.0 96.4 136.4#

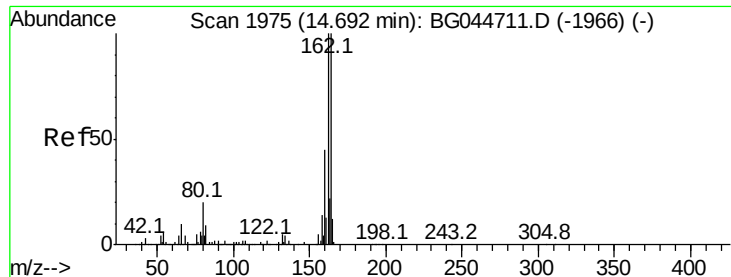


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG044743.D

Acq: 12 Mar 2020 20:09

Instrument :

BNA_G

ClientSampleId :

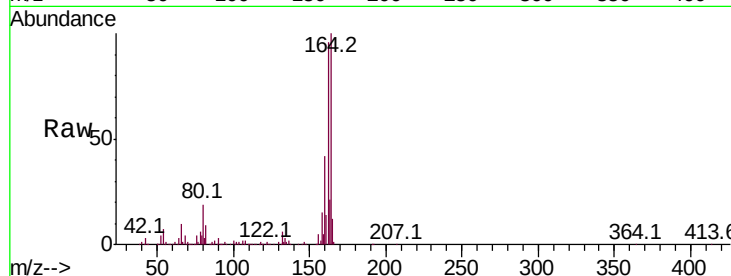
Tot Ion:164 Resp: 336502

Ion Ratio Lower Upper

164 100

162 95.9 80.2 120.4

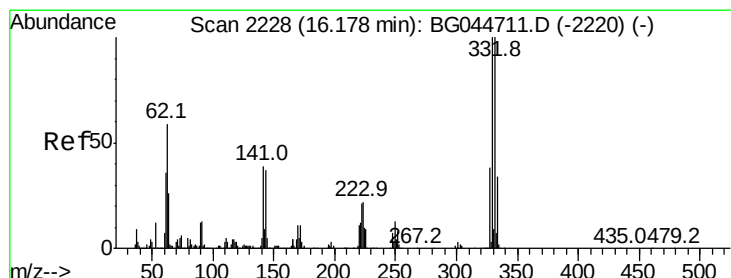
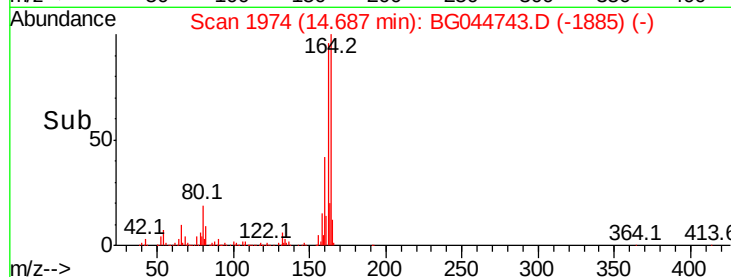
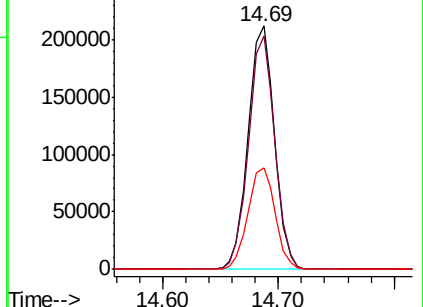
160 41.6 36.2 54.2



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



#42

2,4,6-Tribromophenol

Concen: 0.308 ng

RT: 16.18 min Scan# 2228

Delta R.T. 0.00 min

Lab File: BG044743.D

Acq: 12 Mar 2020 20:09

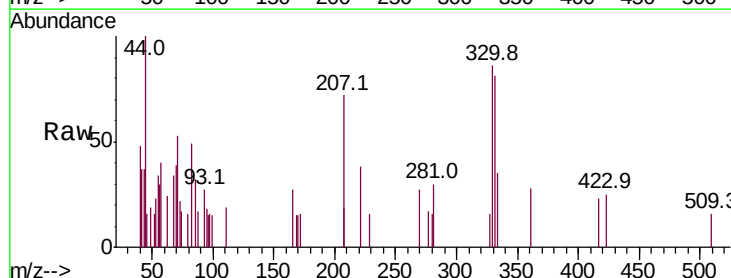
Tgt Ion:330 Resp: 1357

Ion Ratio Lower Upper

330 100

332 87.3 77.5 116.3

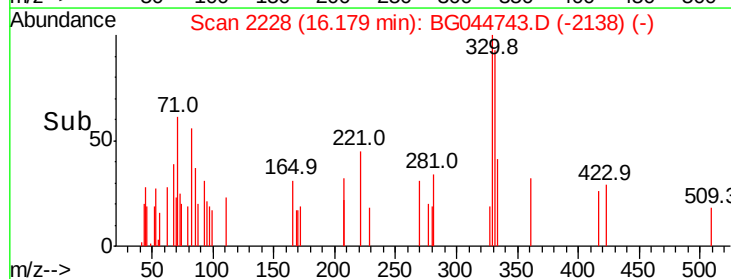
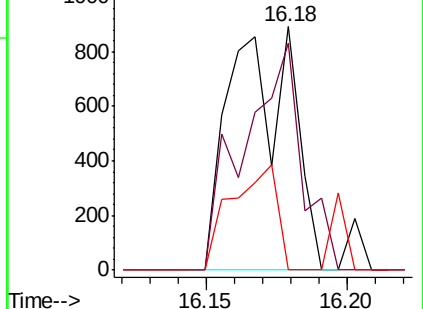
141 31.9 31.7 47.5

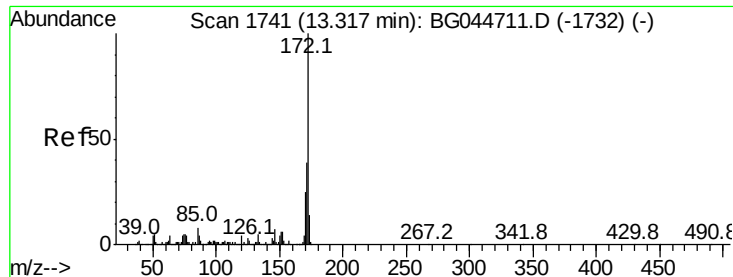


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

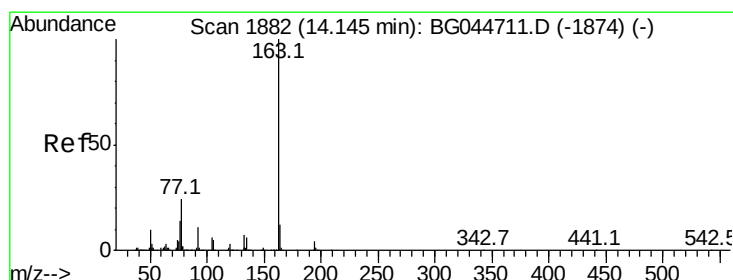
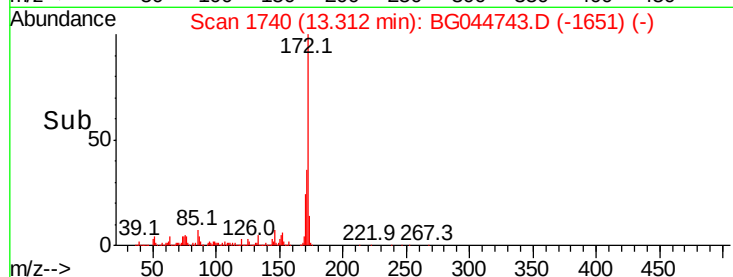
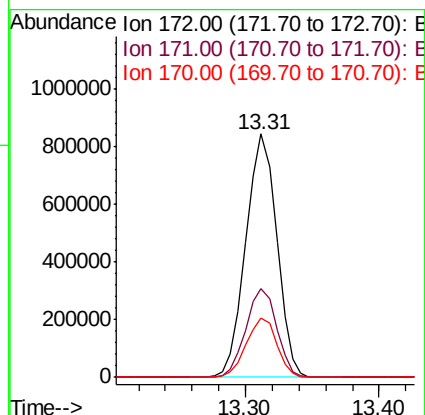
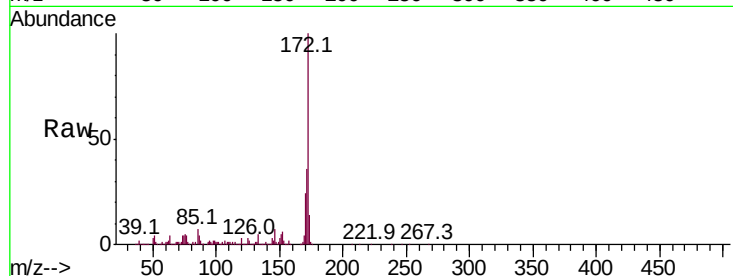




#45
2-Fluorobiphenyl
Concen: 57.501 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG044743.D
Acq: 12 Mar 2020 20:09

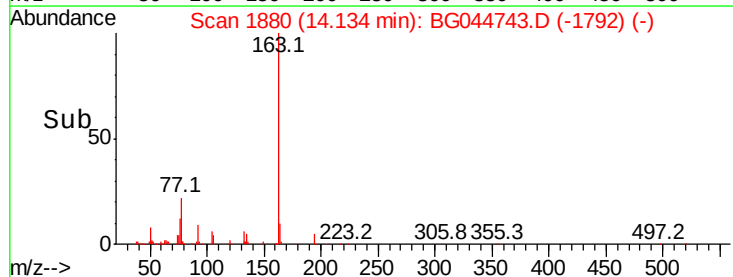
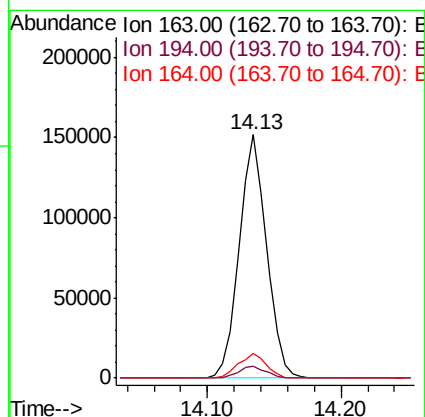
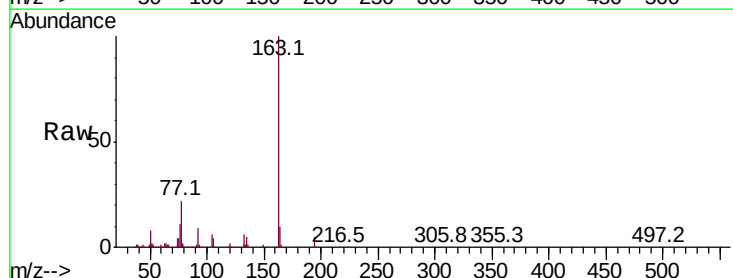
Instrument :
BNA_G
ClientSampleId :

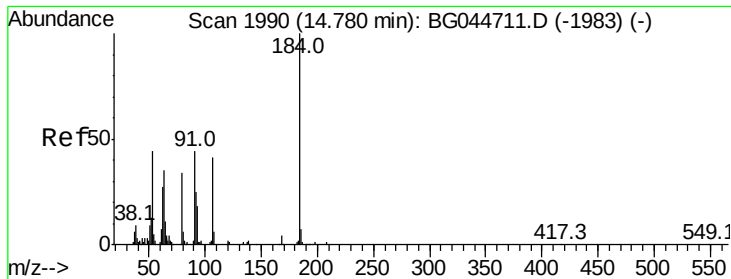
Tot Ion:172 Resp: 1351161
Ion Ratio Lower Upper
172 100
171 36.2 30.8 46.2
170 24.3 20.0 30.0



#50
Dimethylphthalate
Concen: 8.029 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BG044743.D
Acq: 12 Mar 2020 20:09

Tgt Ion:163 Resp: 215176
Ion Ratio Lower Upper
163 100
194 4.7 3.5 5.3
164 10.4 9.2 13.8

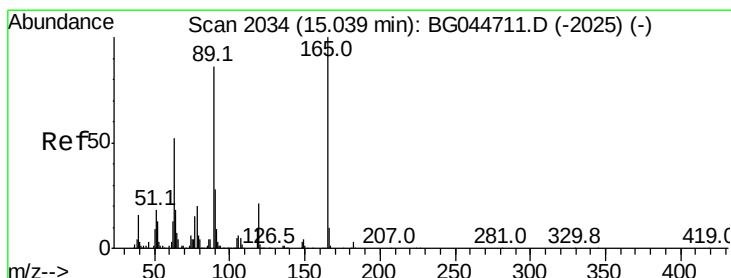
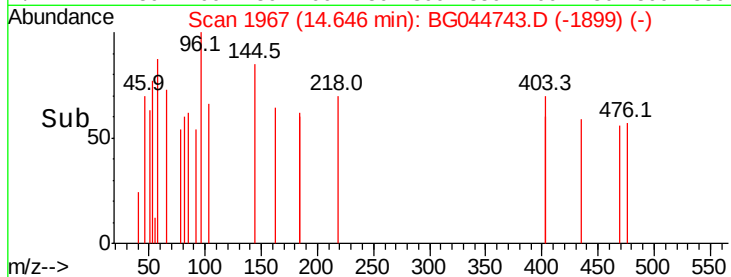
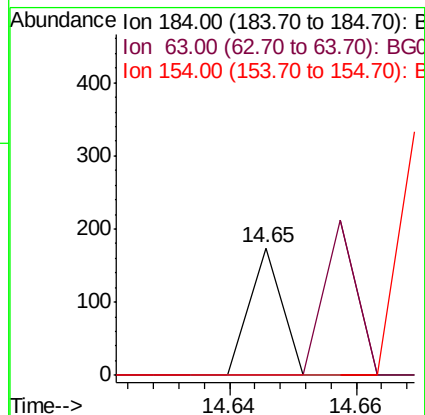
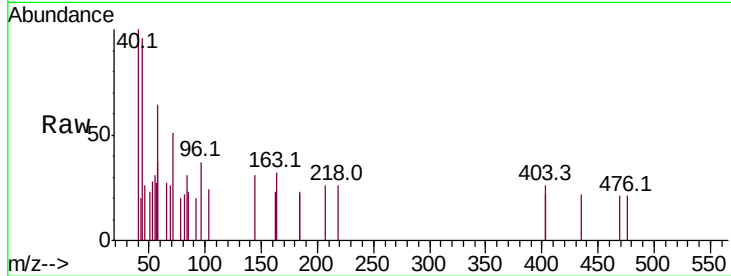




#54
2,4-Dinitrophenol
Concen: 8.342 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.13 min
Lab File: BG044743.D
Acq: 12 Mar 2020 20:09

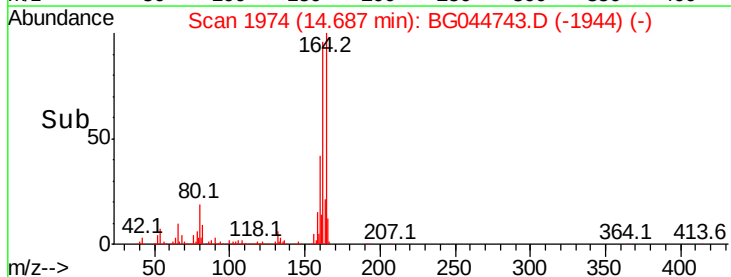
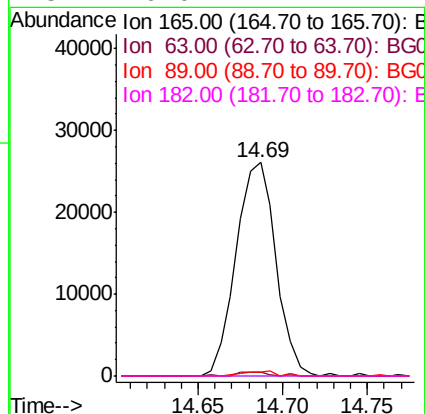
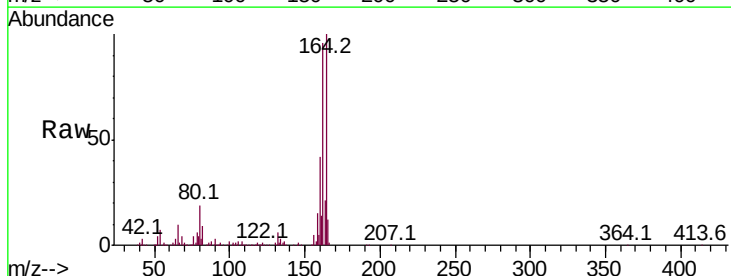
Instrument :
BNA_G
ClientSampleId :

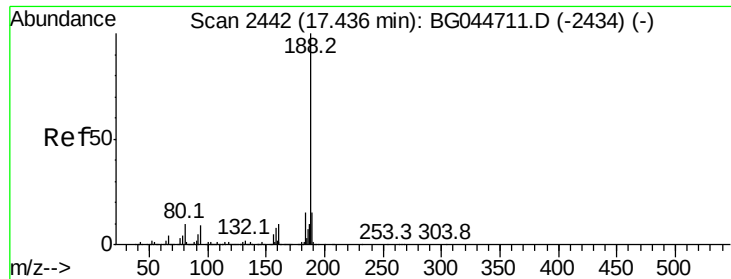
Tot Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 0.0 49.0 73.6#
154 0.0 94.5 141.7#



#57
2,4-Dinitrotoluene
Concen: 5.781 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044743.D
Acq: 12 Mar 2020 20:09

Tgt Ion:165 Resp: 42829
Ion Ratio Lower Upper
165 100
63 1.8 41.5 62.3#
89 2.0 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: BG044743.D

Acq: 12 Mar 2020 20:09

Instrument :

BNA_G

ClientSampleId :

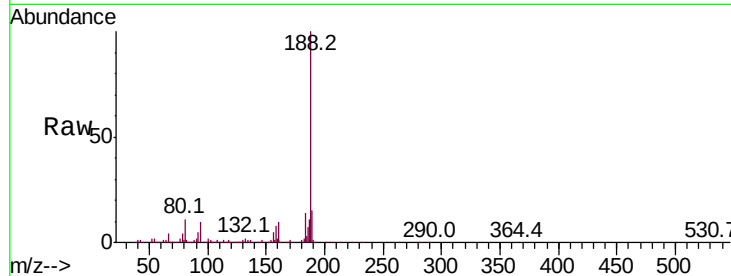
Tot Ion:188 Resp: 713479

Ion Ratio Lower Upper

188 100

94 9.5 7.0 10.6

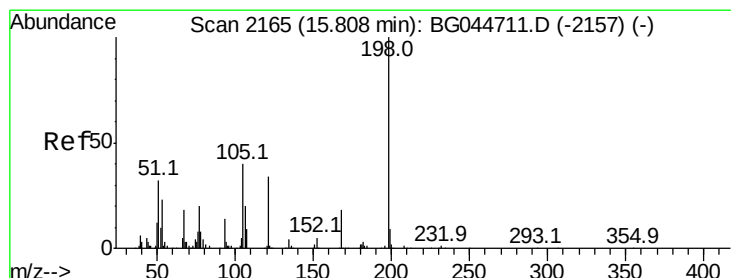
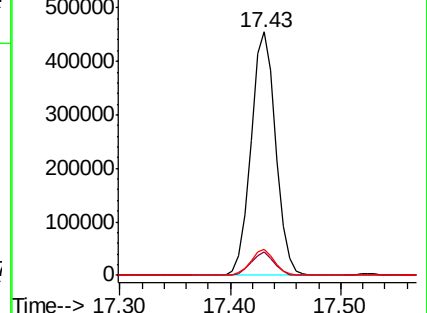
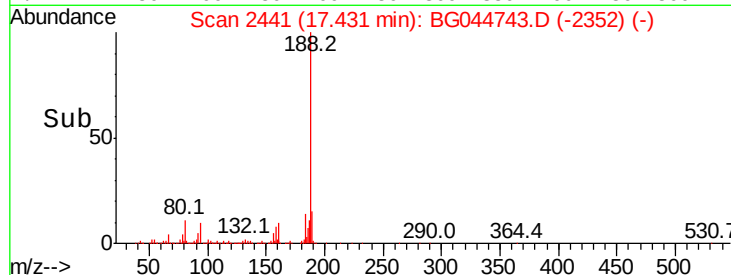
80 10.7 8.4 12.6



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: 7.757 ng

RT: 15.78 min Scan# 2160

Delta R.T. -0.03 min

Lab File: BG044743.D

Acq: 12 Mar 2020 20:09

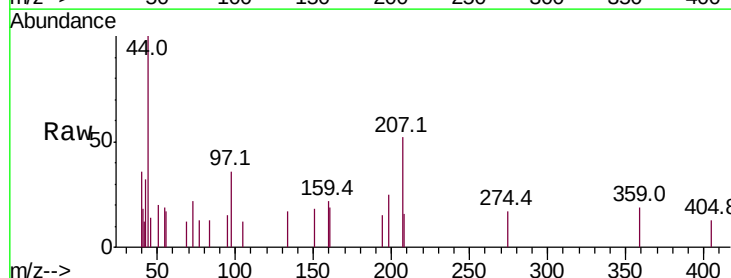
Tgt Ion:198 Resp: 117

Ion Ratio Lower Upper

198 100

51 80.4 20.1 60.1#

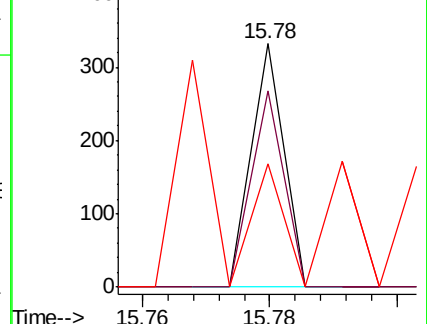
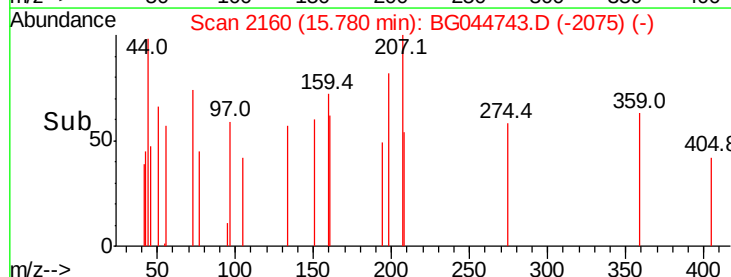
105 50.9 21.3 61.3

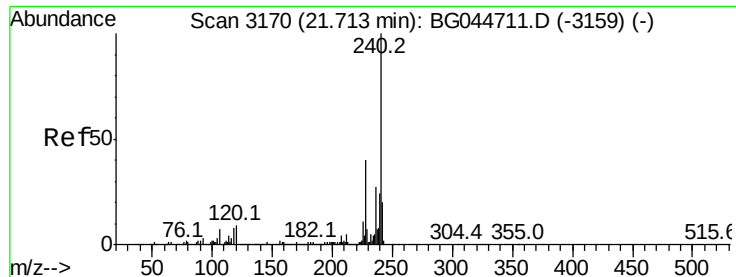


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG044743.D

Acq: 12 Mar 2020 20:09

Instrument :

BNA_G

ClientSampleId :

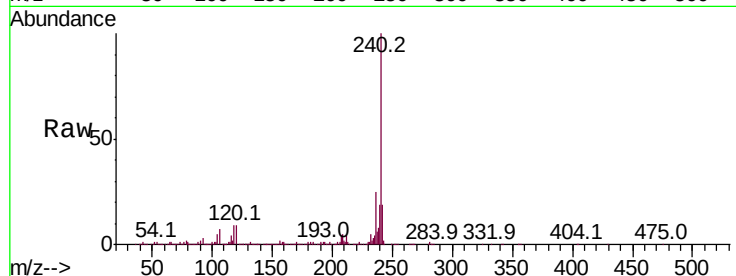
Tot Ion:240 Resp: 630805

Ion Ratio Lower Upper

240 100

120 9.3 6.9 10.3

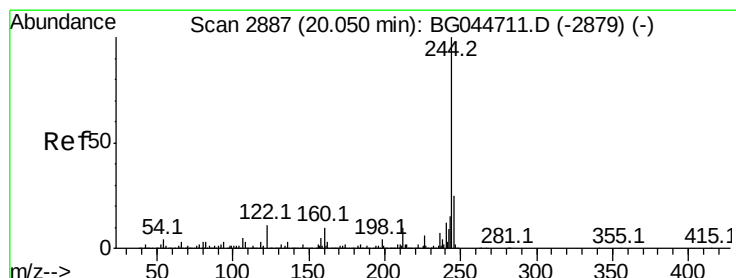
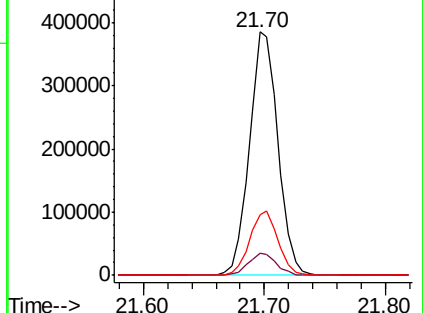
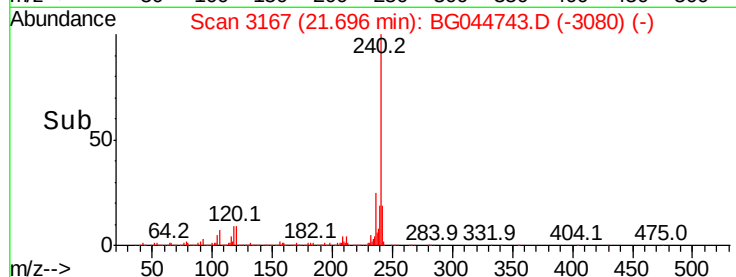
236 24.6 21.9 32.9



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: 59.984 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044743.D

Acq: 12 Mar 2020 20:09

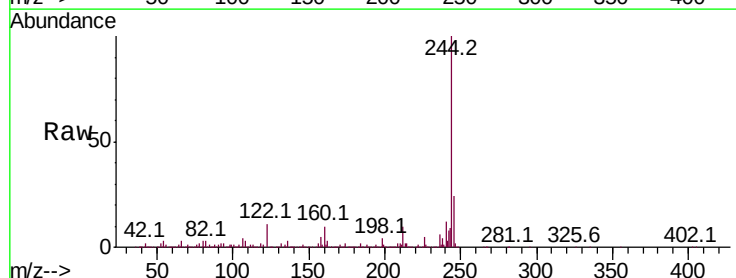
Tgt Ion:244 Resp: 2022848

Ion Ratio Lower Upper

244 100

212 9.7 8.4 12.6

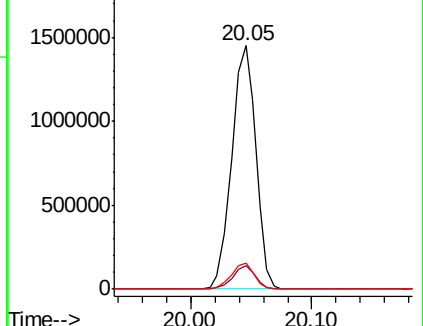
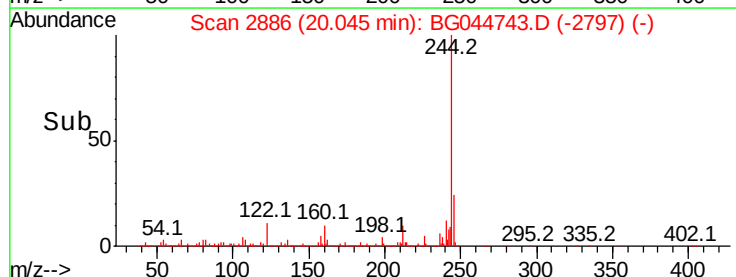
122 10.7 8.7 13.1

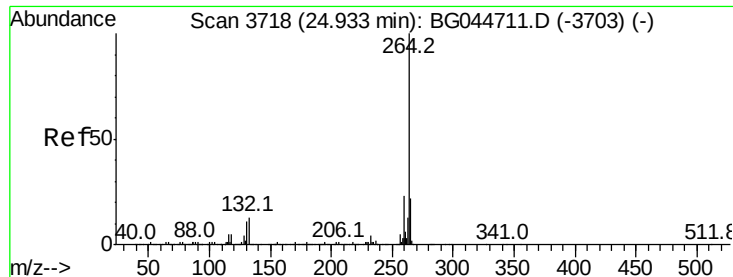


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

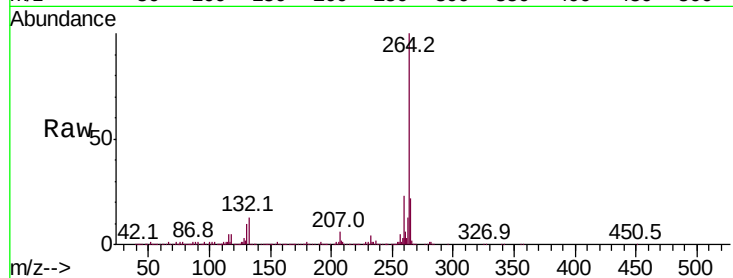




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3715
Delta R.T. -0.02 min
Lab File: BG044743.D
Acq: 12 Mar 2020 20:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	717828
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	21.5	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

