

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
 Data File : BG044742.D
 Acq On : 12 Mar 2020 19:30
 Operator : CG/JU
 Sample : L1889-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 06:09:17 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	108332	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	442476	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	299862	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	594600	20.00	ng	0.00
76) Chrysene-d12	21.70	240	584121	20.00	ng	-0.01
87) Perylene-d12	24.91	264	683593	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	43114	6.20	ng	0.00
7) Phenol-d6	7.20	99	469322	46.42	ng	-0.01
23) Nitrobenzene-d5	9.21	82	640143	63.48	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	1151	0.29	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1367119	65.29	ng	0.00
79) Terphenyl-d14	20.04	244	1954663	62.59	ng	0.00

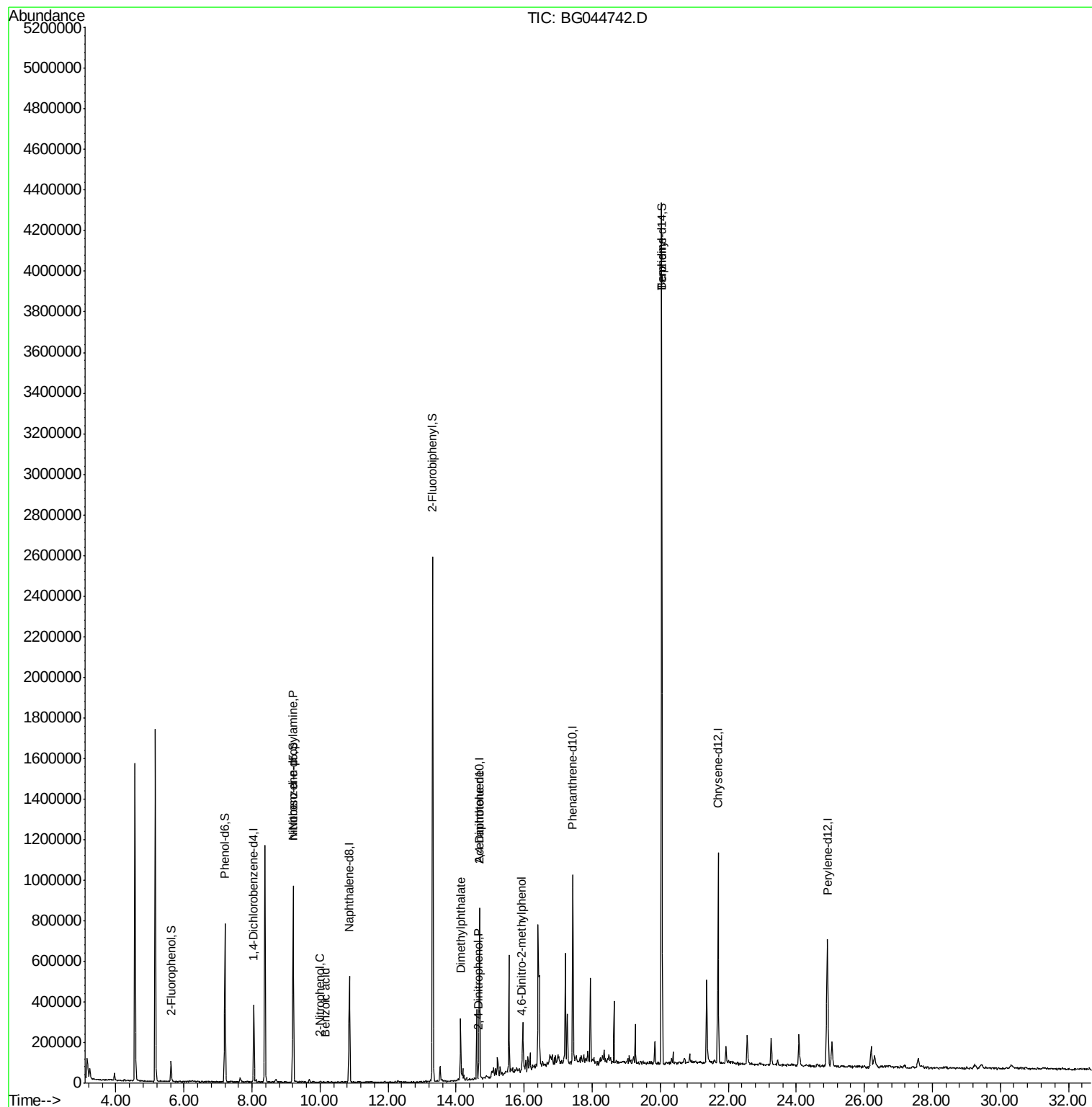
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	126	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.21	70	85494	11.975	ng	# 77
26) 2-Nitrophenol	10.00	139	62	5.530	ng	# 28
32) Benzoic acid	10.16	122	80	9.683	ng	# 1
50) Dimethylphthalate	14.13	163	192961	8.080	ng	99
54) 2,4-Dinitrophenol	14.65	184	74	8.349	ng	# 2
57) 2,4-Dinitrotoluene	14.69	165	39863	6.038	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.93	198	216	7.793	ng	# 1
77) Benzidine	20.04	184	40216	2.121	ng	# 94

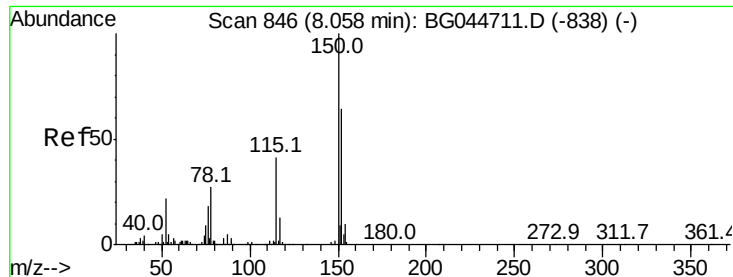
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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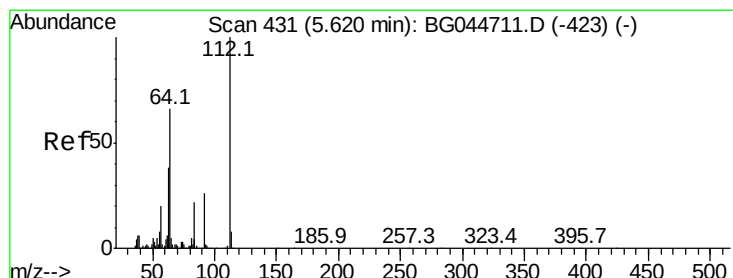
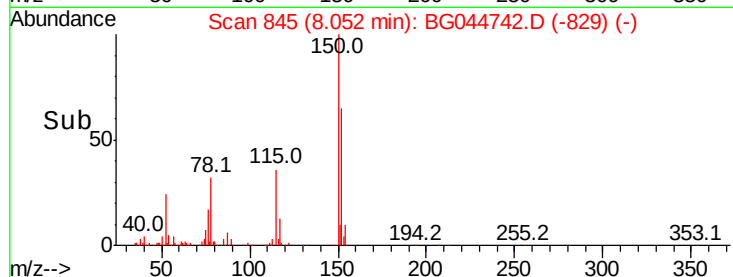
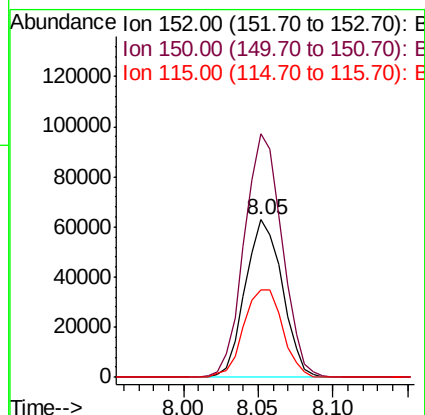
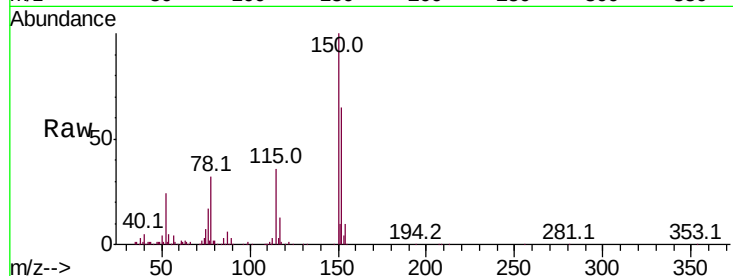


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044742.D
Acq: 12 Mar 2020 19:30

Instrument :
BNA_G
ClientSampleId :

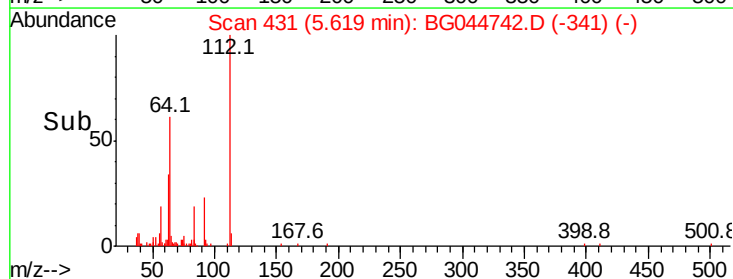
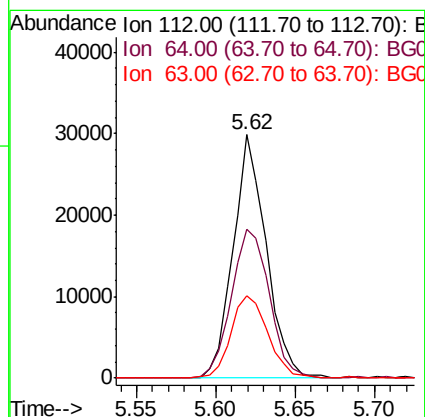
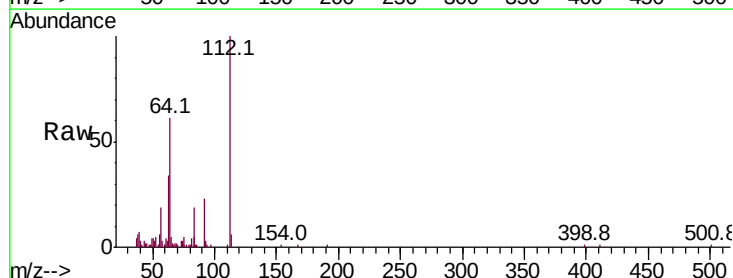
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	125.3	187.9
115	55.5	51.7	77.5

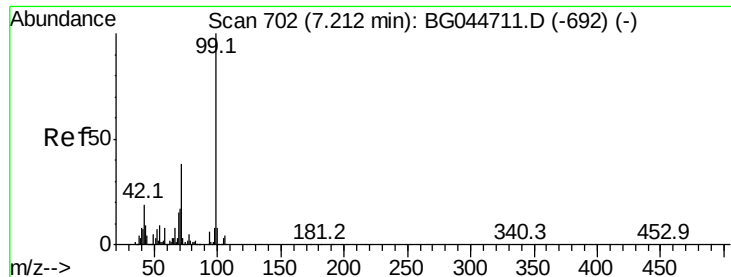


#5

2-Fluorophenol
Concen: 6.195 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.00 min
Lab File: BG044742.D
Acq: 12 Mar 2020 19:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	52.6	78.8
63	33.6	30.2	45.4





#7

Phenol-d6

Concen: 46.416 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044742.D

Acq: 12 Mar 2020 19:30

Instrument :

BNA_G

ClientSampleId :

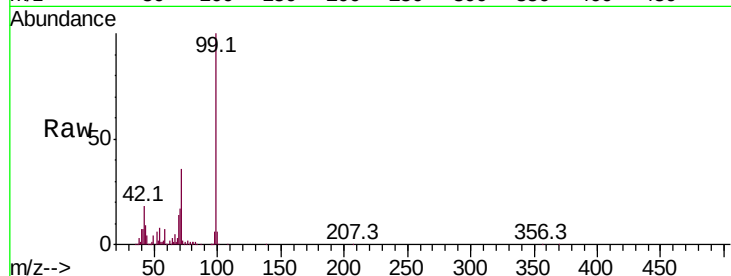
Tot Ion: 99 Resp: 469322

Ion Ratio Lower Upper

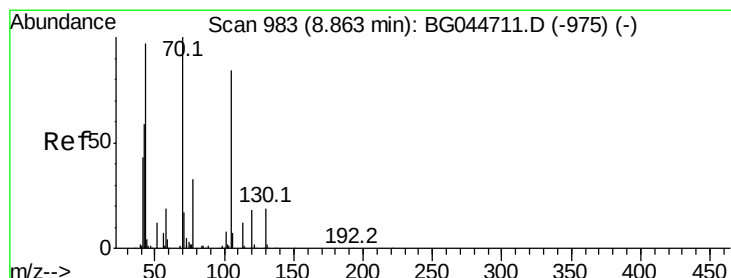
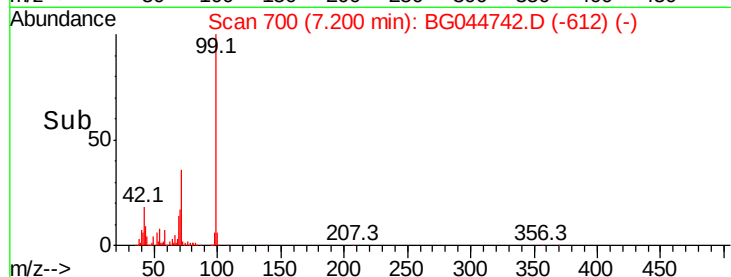
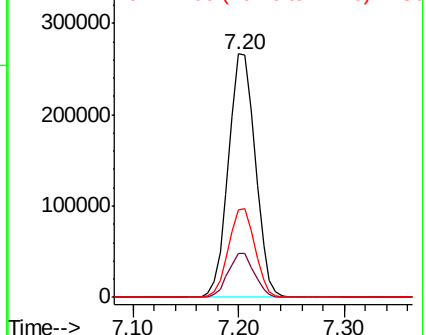
99 100

42 18.0 15.4 23.0

71 36.1 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: 11.975 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044742.D

Acq: 12 Mar 2020 19:30

Tgt Ion: 70 Resp: 85494

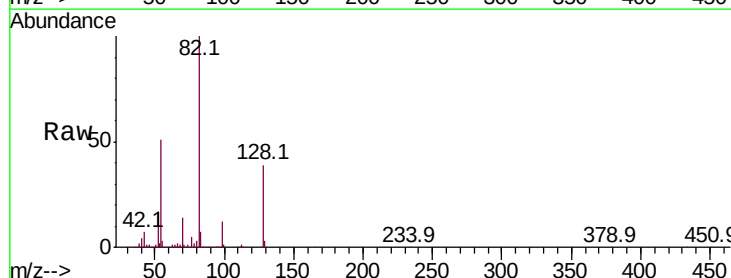
Ion Ratio Lower Upper

70 100

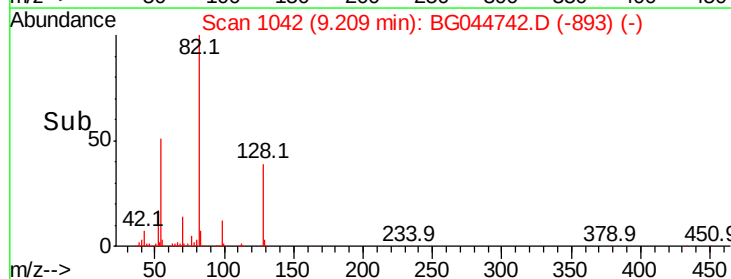
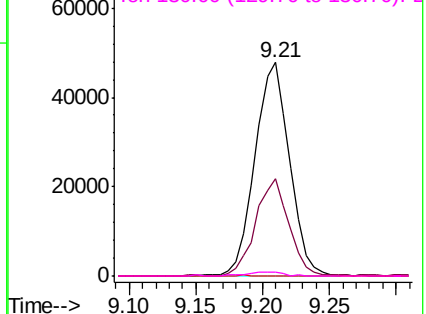
42 45.8 47.6 71.4#

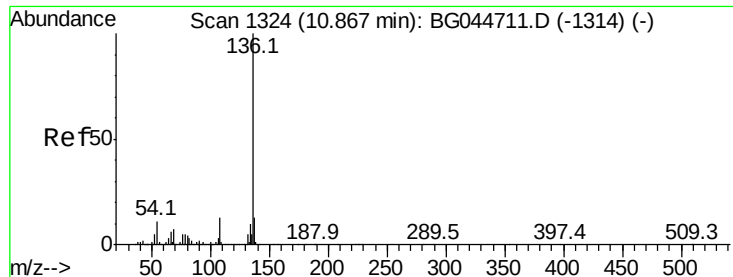
101 0.0 6.5 9.7#

130 1.9 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

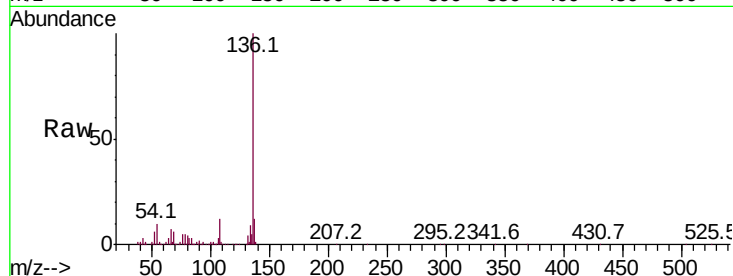




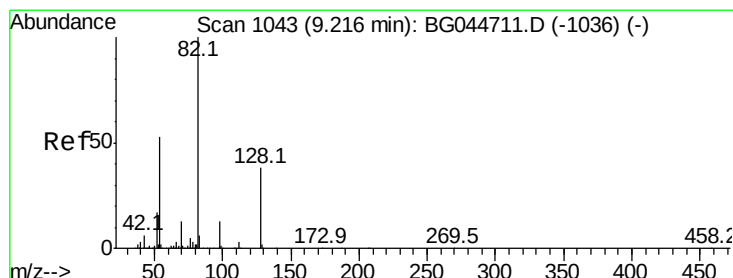
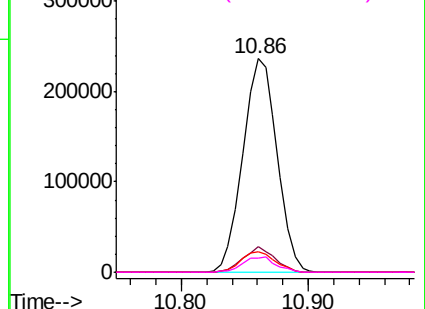
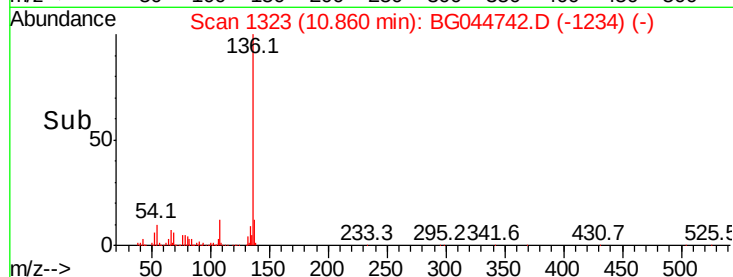
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044742.D
Acq: 12 Mar 2020 19:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	442476
Ion Ratio	Lower	Upper
136 100		
137 12.1	10.7	16.1
54 9.6	9.0	13.4
68 6.4	5.9	8.9

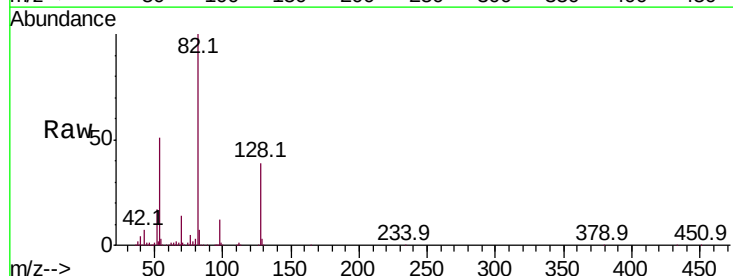


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

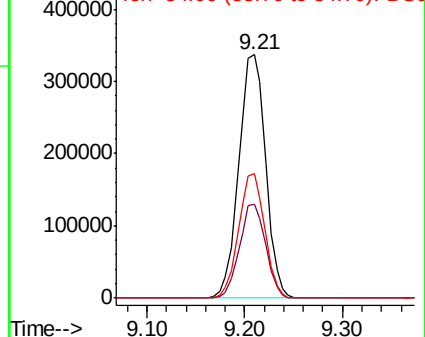
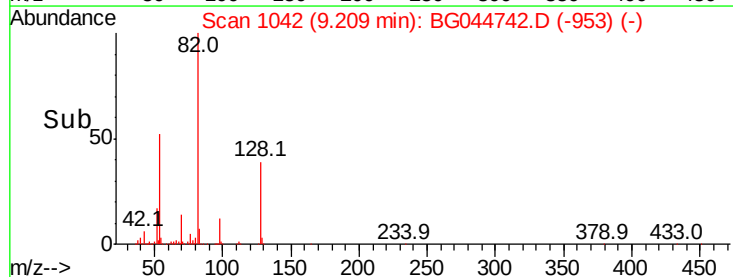


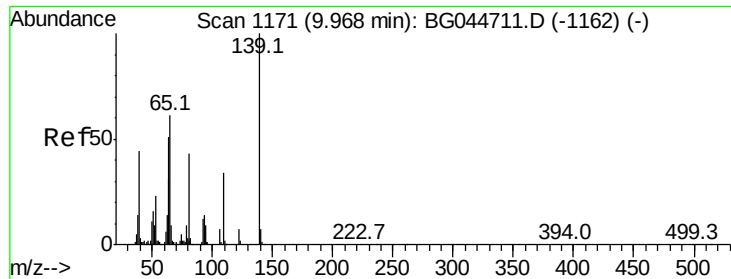
#23
Nitrobenzene-d5
Concen: 63.484 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044742.D
Acq: 12 Mar 2020 19:30

Tgt Ion: 82	Resp: 640143
Ion Ratio	Lower Upper
82 100	
128 38.8	30.2 45.2
54 51.4	41.8 62.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

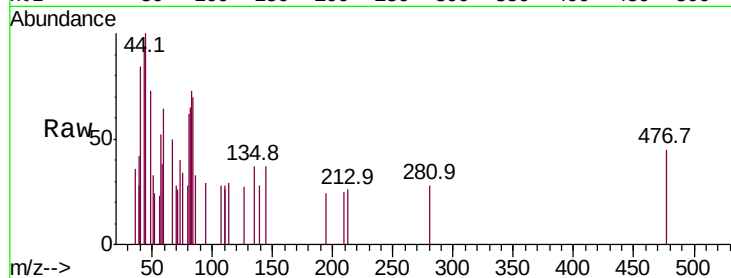




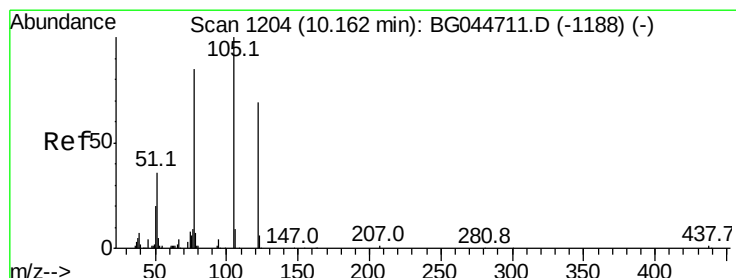
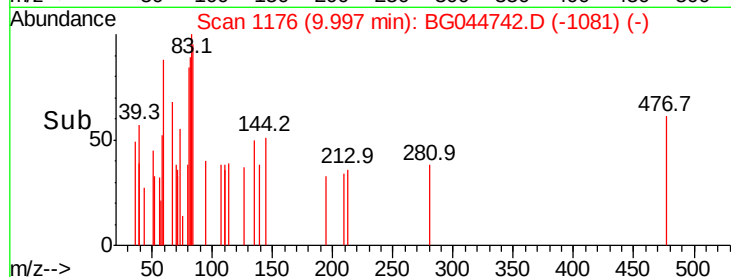
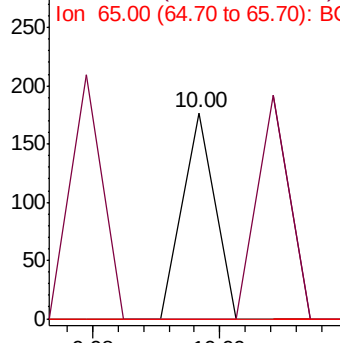
#26
2-Nitrophenol
Concen: 5.530 ng
RT: 10.00 min Scan# 1176
Delta R.T. 0.03 min
Lab File: BG044742.D
Acq: 12 Mar 2020 19:30

Instrument :
BNA_G
ClientSampled :

Tot Ion:139 Resp: 62
Ion Ratio Lower Upper
139 100
109 0.0 27.0 40.4#
65 0.0 48.6 73.0#

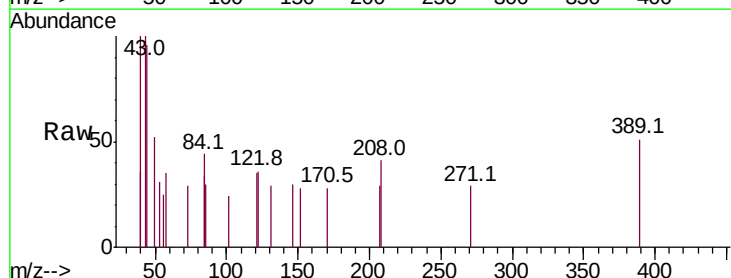


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

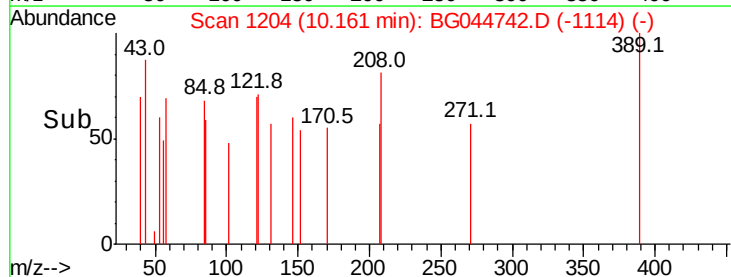
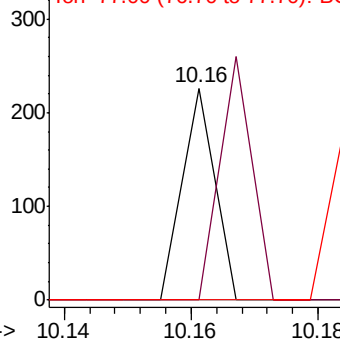


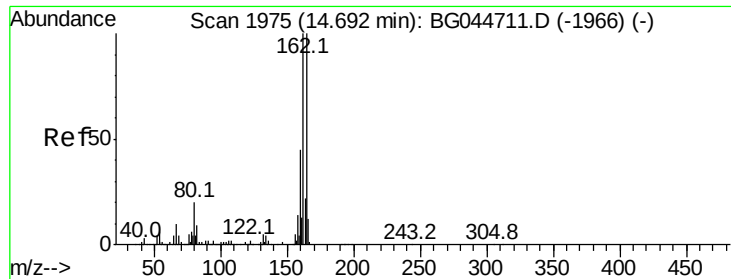
#32
Benzoic acid
Concen: 9.683 ng
RT: 10.16 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BG044742.D
Acq: 12 Mar 2020 19:30

Tgt Ion:122 Resp: 80
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

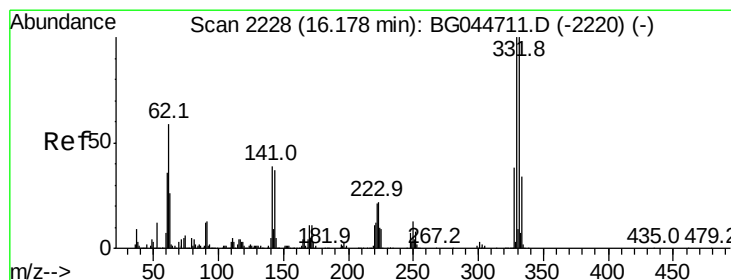
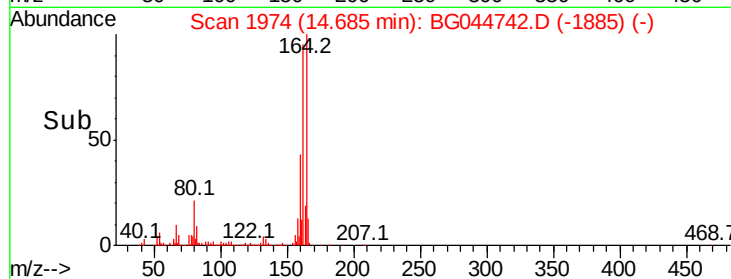
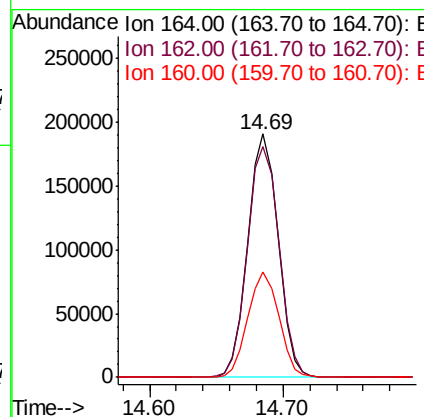
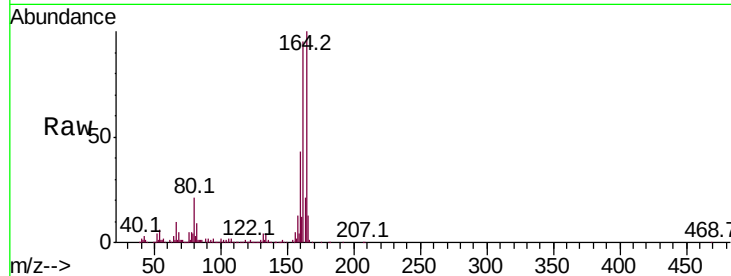




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BG044742.D
 Acq: 12 Mar 2020 19:30

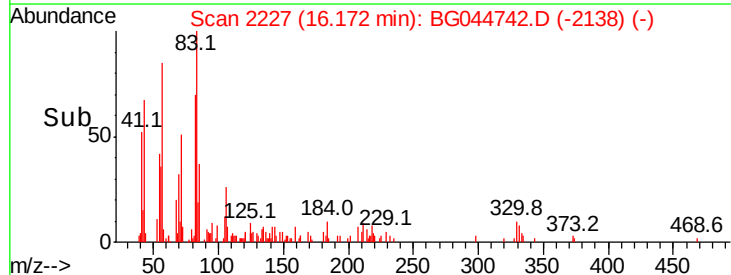
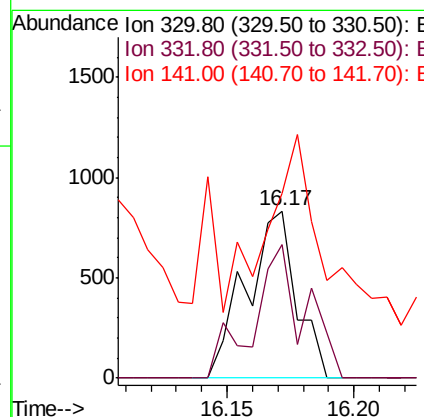
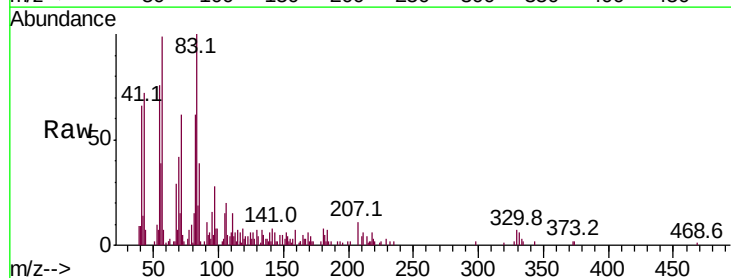
Instrument :
 BNA_G
 ClientSampleId :

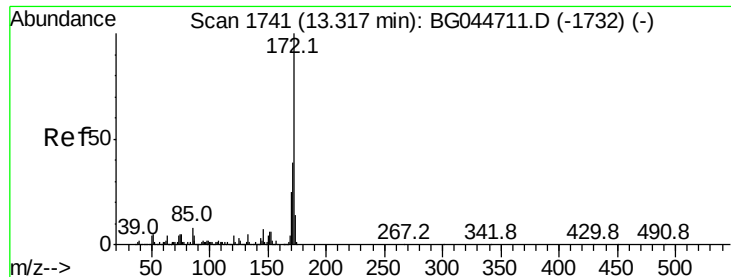
Tot Ion	Ratio	Lower	Upper
164	100		
162	94.8	80.2	120.4
160	43.2	36.2	54.2



#42
 2,4,6-Tribromophenol
 Concen: 0.293 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG044742.D
 Acq: 12 Mar 2020 19:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	80.9	77.5	116.3
141	109.4	31.7	47.5#





#45

2-Fluorobiphenyl

Concen: 65.289 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG044742.D

Acq: 12 Mar 2020 19:30

Instrument :

BNA_G

ClientSampleId :

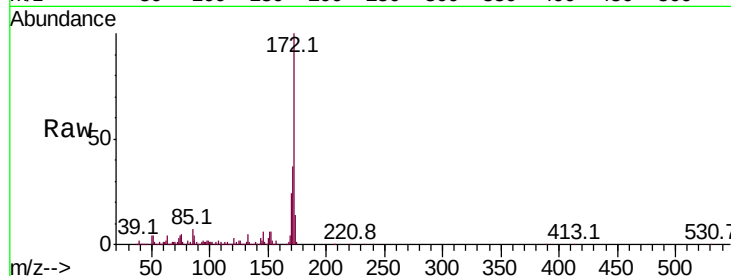
Tot Ion:172 Resp: 1367119

Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.8	46.2
170	23.9	20.0	30.0

172 100

171 37.0 30.8 46.2

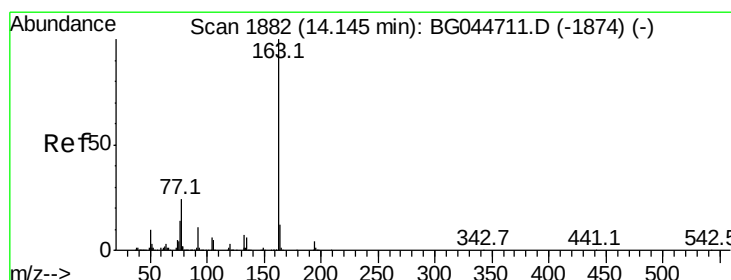
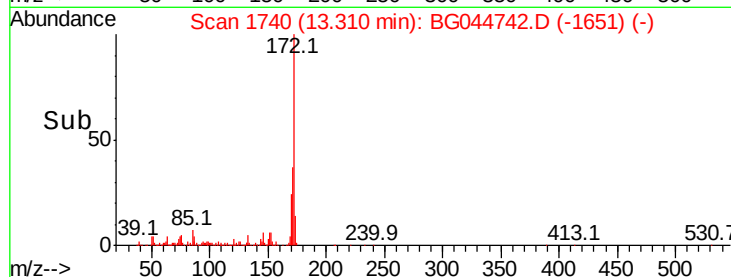
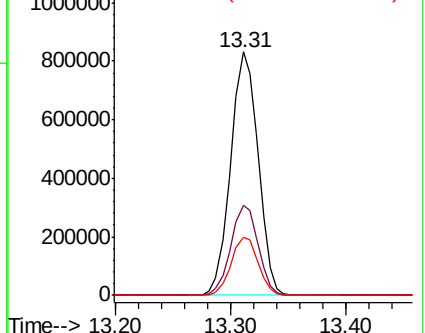
170 23.9 20.0 30.0



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: 8.080 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG044742.D

Acq: 12 Mar 2020 19:30

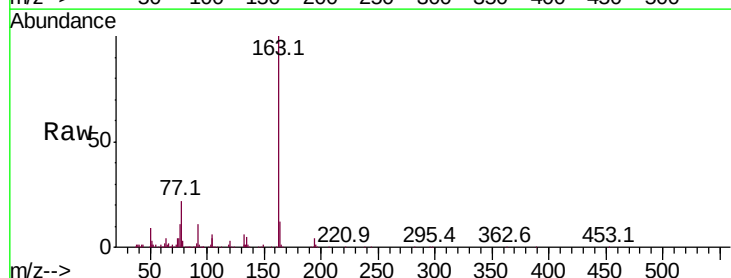
Tgt Ion:163 Resp: 192961

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.5	5.3
164	11.7	9.2	13.8

163 100

194 4.0 3.5 5.3

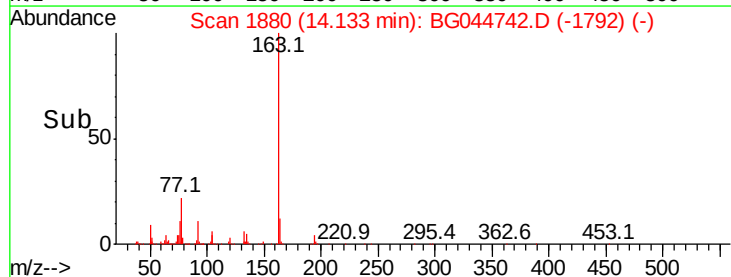
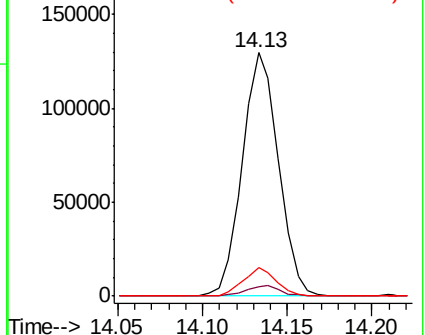
164 11.7 9.2 13.8

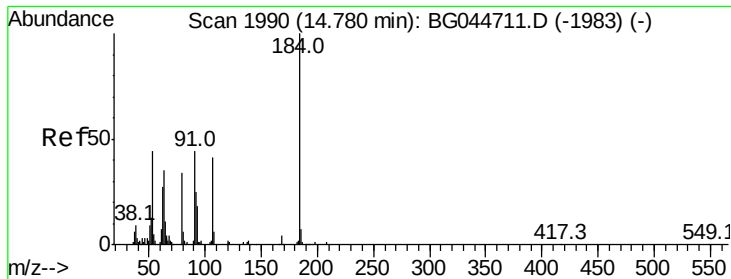


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

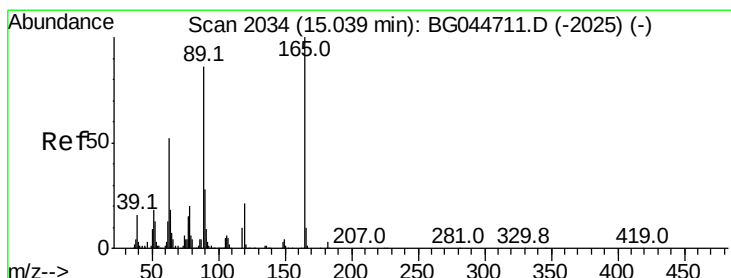
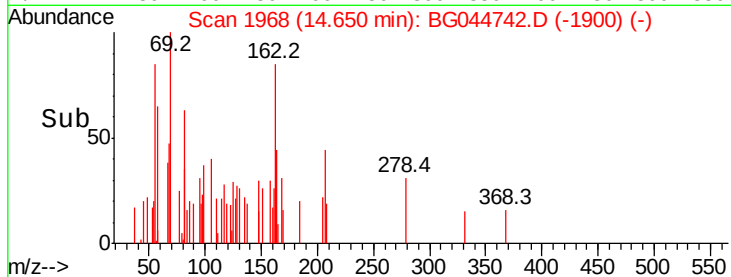
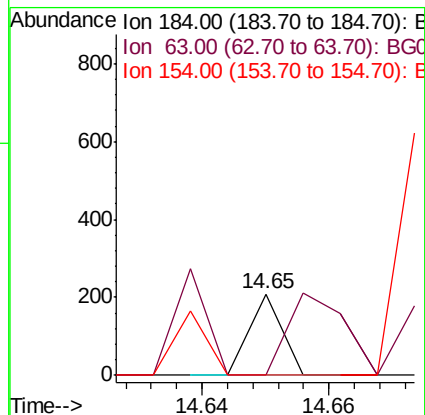
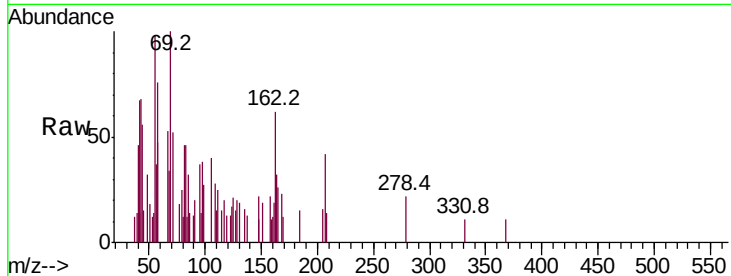




#54
 2,4-Dinitrophenol
 Concen: 8.349 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.13 min
 Lab File: BG044742.D
 Acq: 12 Mar 2020 19:30

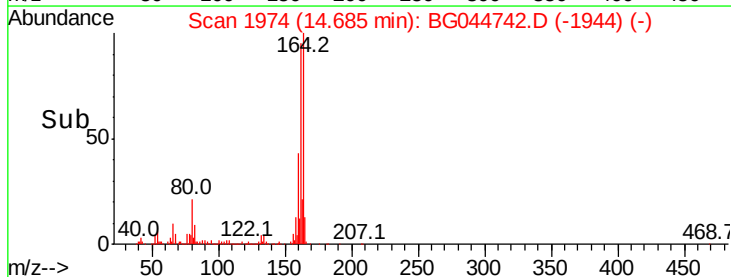
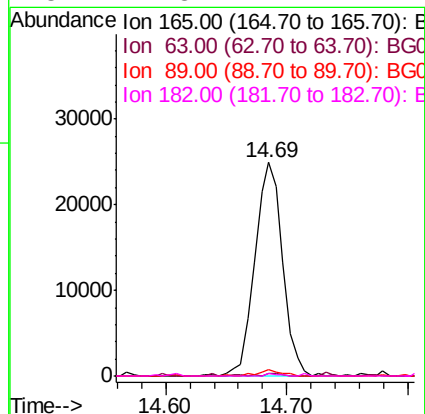
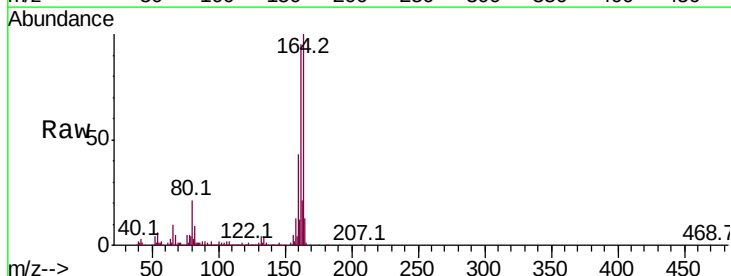
Instrument :
 BNA_G
 ClientSampleId :

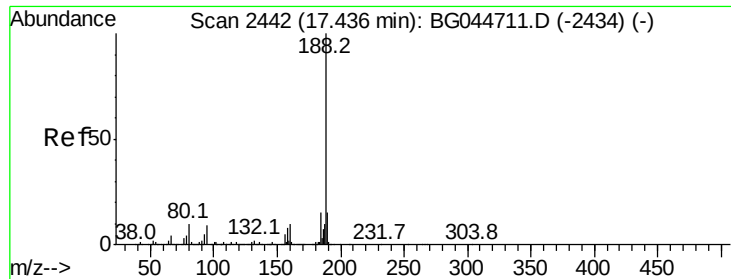
Tot Ion:184 Resp: 74
 Ion Ratio Lower Upper
 184 100
 63 0.0 49.0 73.6#
 154 0.0 94.5 141.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.038 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.35 min
 Lab File: BG044742.D
 Acq: 12 Mar 2020 19:30

Tgt Ion:165 Resp: 39863
 Ion Ratio Lower Upper
 165 100
 63 1.3 41.5 62.3#
 89 3.0 69.0 103.4#
 182 1.3 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: BG044742.D

Acq: 12 Mar 2020 19:30

Instrument :

BNA_G

ClientSampleId :

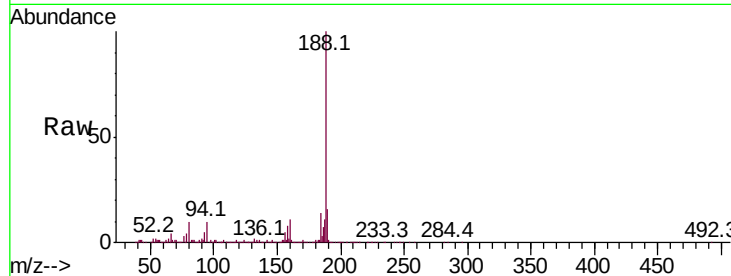
Tot Ion:188 Resp: 594600

Ion Ratio Lower Upper

188 100

94 9.7 7.0 10.6

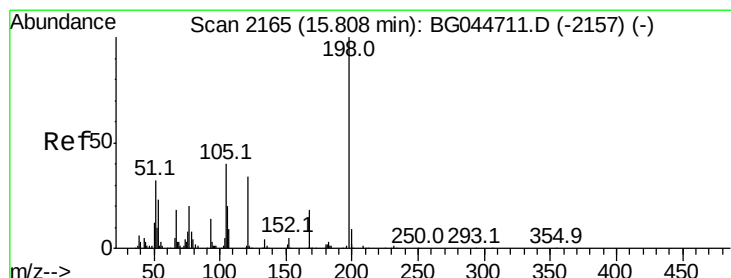
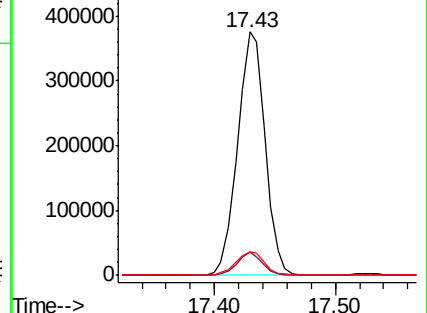
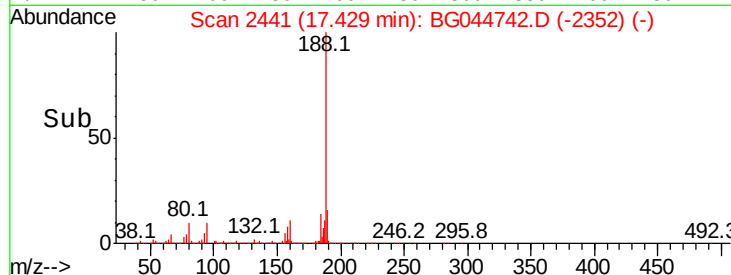
80 9.9 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.793 ng

RT: 15.93 min Scan# 2186

Delta R.T. 0.12 min

Lab File: BG044742.D

Acq: 12 Mar 2020 19:30

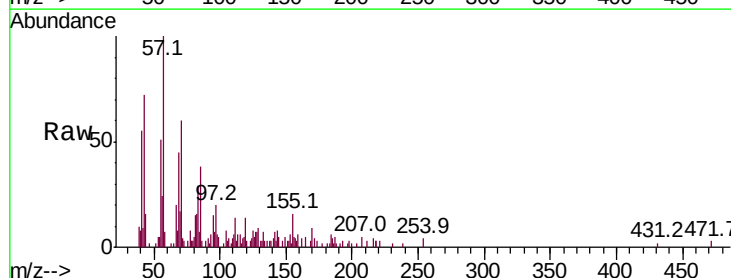
Tgt Ion:198 Resp: 216

Ion Ratio Lower Upper

198 100

51 76.9 20.1 60.1#

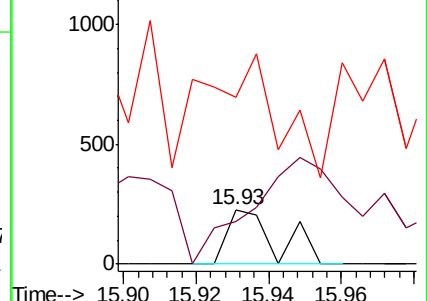
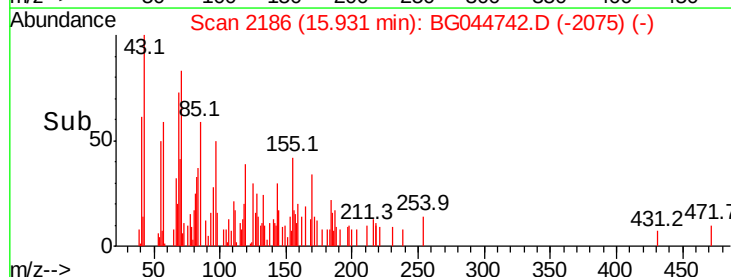
105 303.9 21.3 61.3#

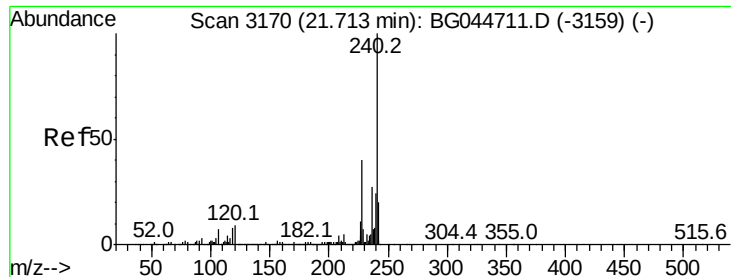


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

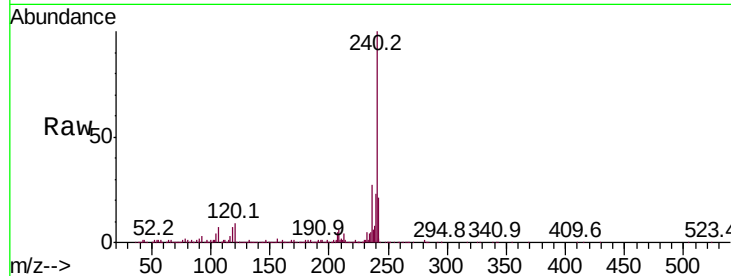




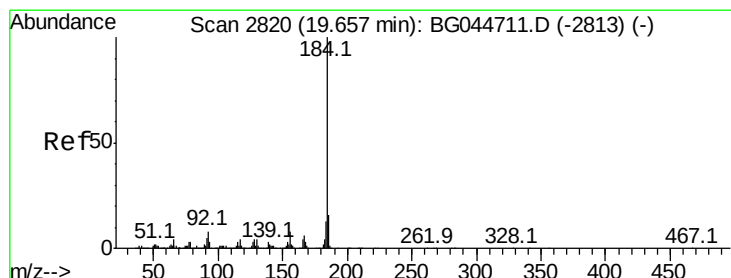
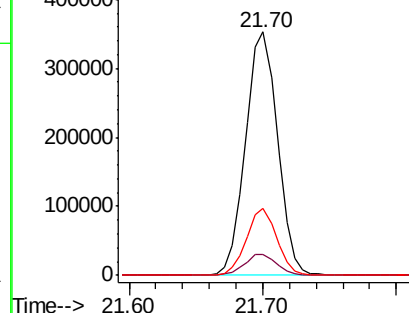
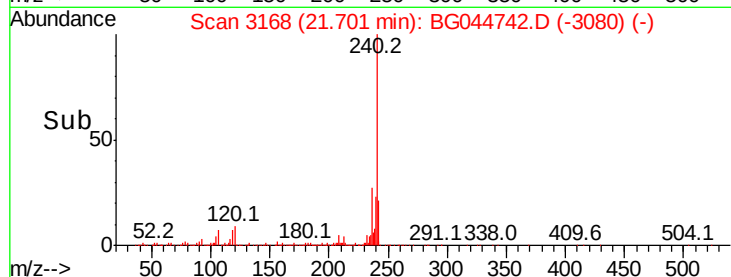
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BG044742.D
Acq: 12 Mar 2020 19:30

Instrument :
BNA_G
ClientSampled :

Tot Ion:240 Resp: 584121
Ion Ratio Lower Upper
240 100
120 8.7 6.9 10.3
236 27.3 21.9 32.9

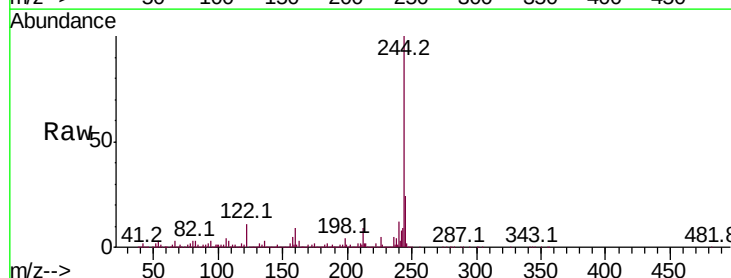


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

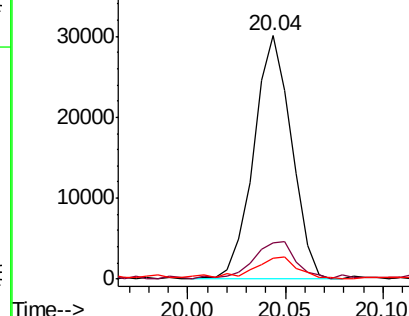
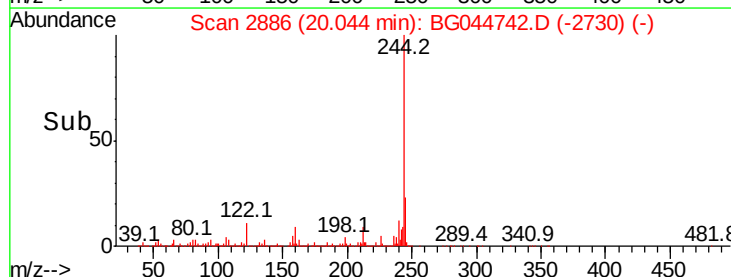


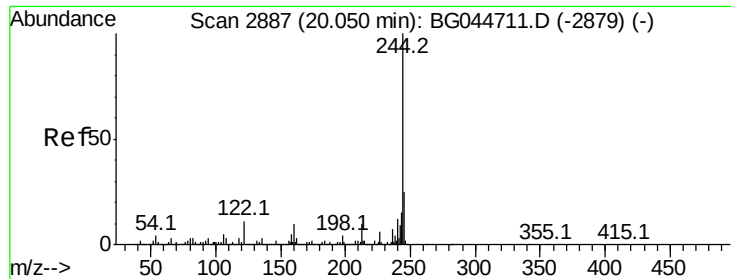
#77
Benzidine
Concen: 2.121 ng
RT: 20.04 min Scan# 2886
Delta R.T. 0.39 min
Lab File: BG044742.D
Acq: 12 Mar 2020 19:30

Tgt Ion:184 Resp: 40216
Ion Ratio Lower Upper
184 100
185 15.1 12.9 19.3
183 8.8 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: 62.595 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044742.D

Acq: 12 Mar 2020 19:30

Instrument :

BNA_G

ClientSampleId :

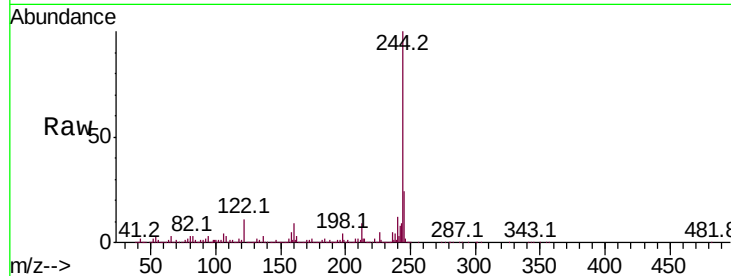
Tot Ion:244 Resp: 1954663

Ion Ratio Lower Upper

244 100

212 9.3 8.4 12.6

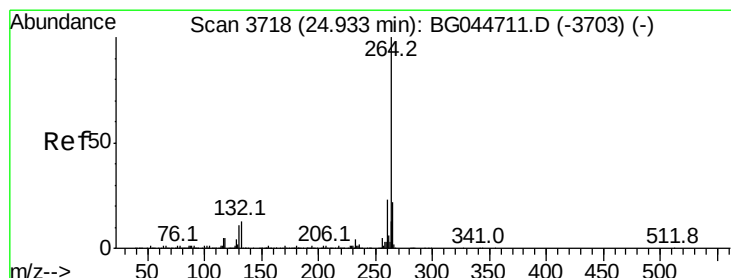
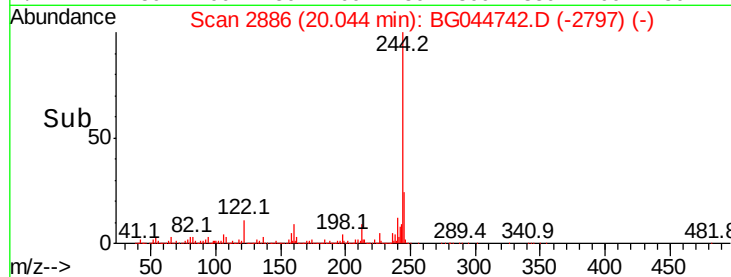
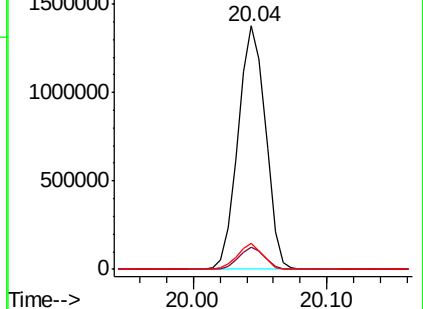
122 10.6 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3715

Delta R.T. -0.02 min

Lab File: BG044742.D

Acq: 12 Mar 2020 19:30

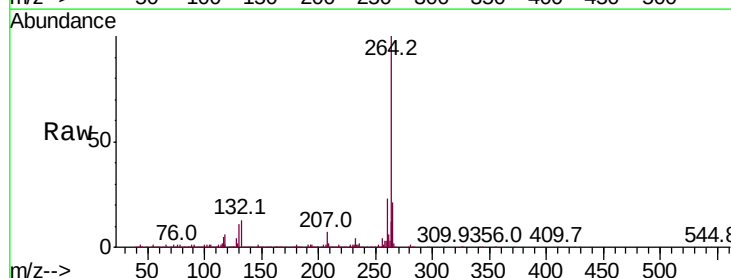
Tgt Ion:264 Resp: 683593

Ion Ratio Lower Upper

264 100

260 22.9 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

