

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030920\
 Data File : BG044702.D
 Acq On : 9 Mar 2020 14:20
 Operator : CG/JU
 Sample : PB127140BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 18:51:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 05 17:42:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	90504	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	377679	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	259112	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	603104	20.00	ng	0.00
76) Chrysene-d12	21.71	240	657181	20.00	ng	0.00
87) Perylene-d12	24.93	264	665914	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	757039	125.62	ng	0.00
7) Phenol-d6	7.21	99	1059982	116.37	ng	0.00
23) Nitrobenzene-d5	9.22	82	647383	78.04	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	377772	106.14	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	1425596	76.64	ng	0.00
79) Terphenyl-d14	20.05	244	2485362	67.51	ng	0.00

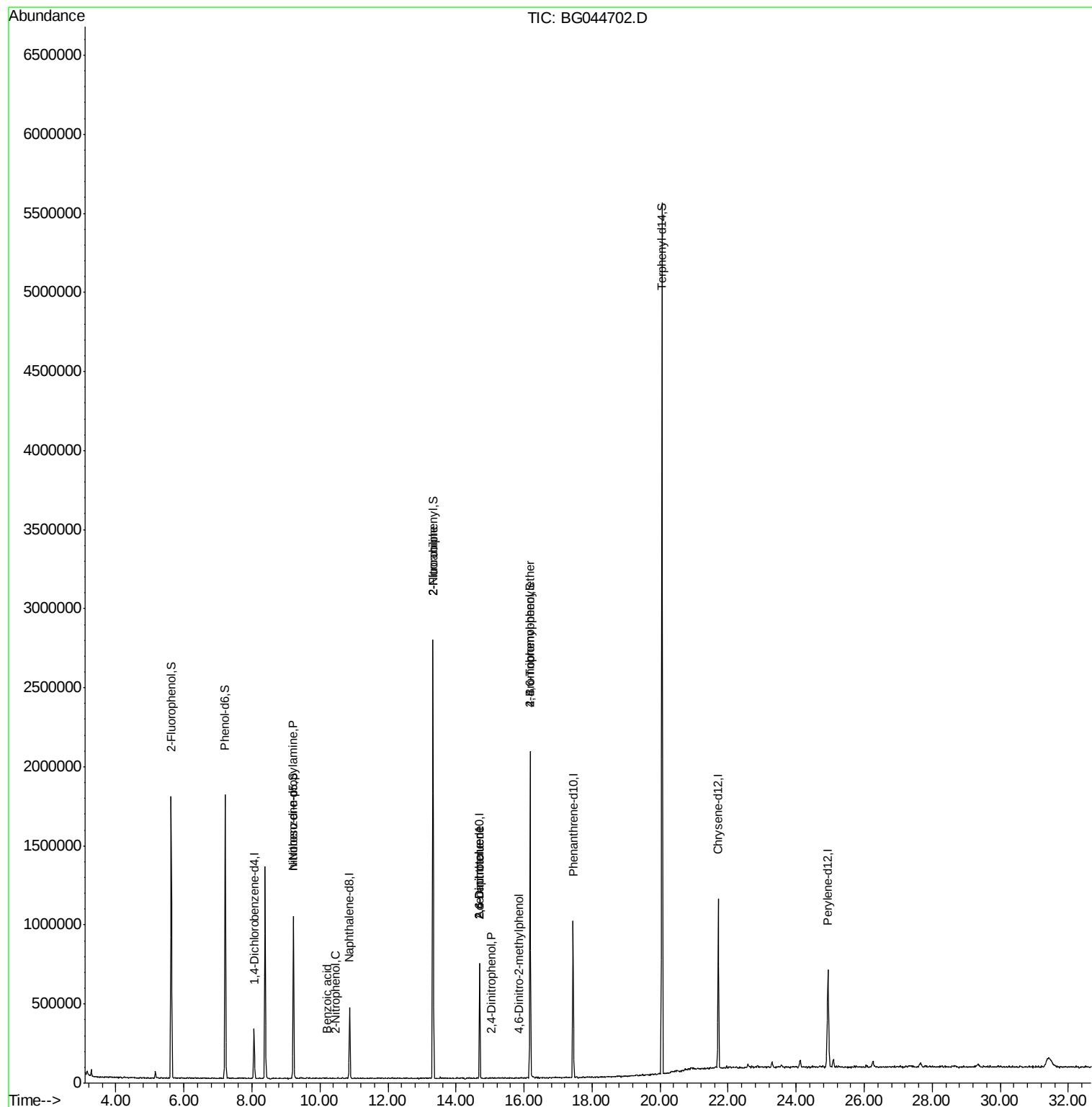
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.22	77	2428	Below Cal		# 7
19) n-Nitroso-di-n-propylamine	9.22	70	84859	12.470	ng	# 73
26) 2-Nitrophenol	10.44	139	59	5.988	ng	# 26
32) Benzoic acid	10.21	122	54	7.738	ng	# 47
48) 2-Nitroaniline	13.32	65	3164	6.279	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	33988	8.781	ng	# 17
54) 2,4-Dinitrophenol	15.03	184	121	7.138	ng	# 11
57) 2,4-Dinitrotoluene	14.69	165	33988	11.446	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.86	198	67	7.935	ng	# 11
67) 4-Bromophenyl-phenylether	16.18	248	26702	3.511	ng	# 1

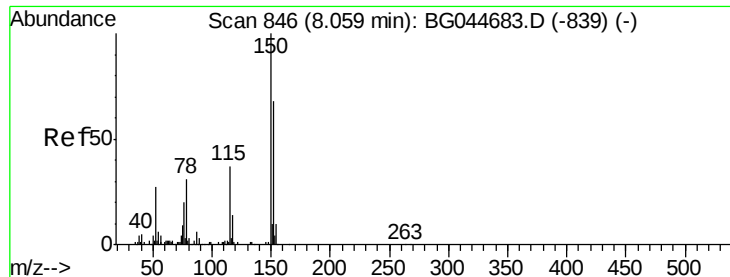
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_G
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Quant Time: Mar 09 18:51:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030520.M
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QLast Update : Thu Mar 05 17:42:35 2020
Response via : Initial Calibration



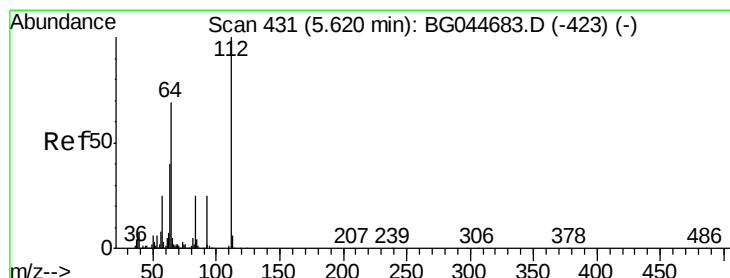
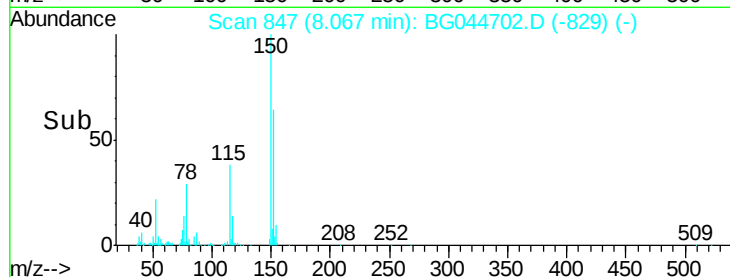
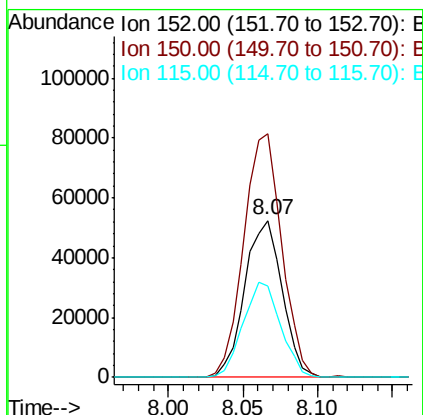
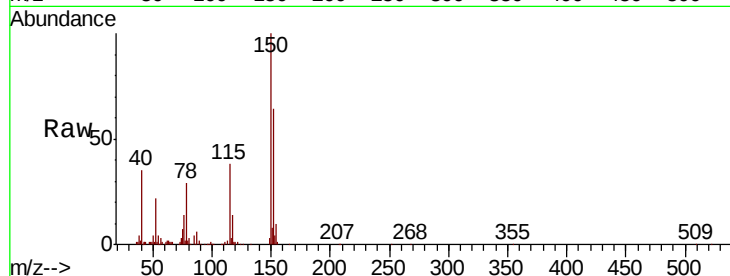


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 847
 Delta R.T. 0.01 min
 Lab File: BG044702.D
 Acq: 9 Mar 2020 14:20

Instrument :
 BNA_G
 ClientSampleId :

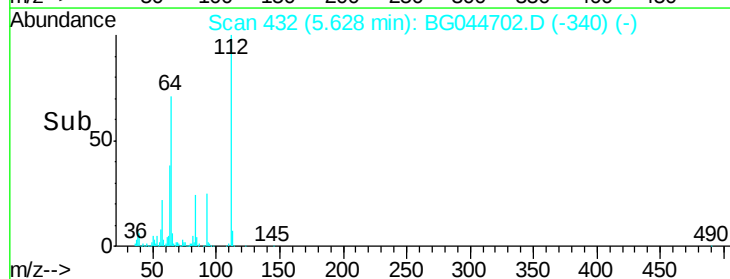
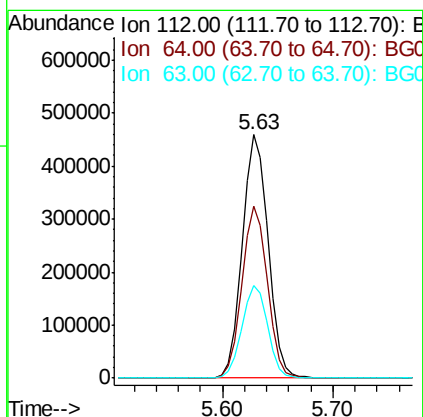
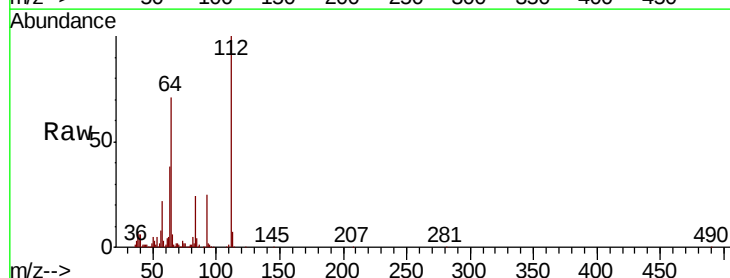
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	118.6	177.8
115	58.4	43.6	65.4

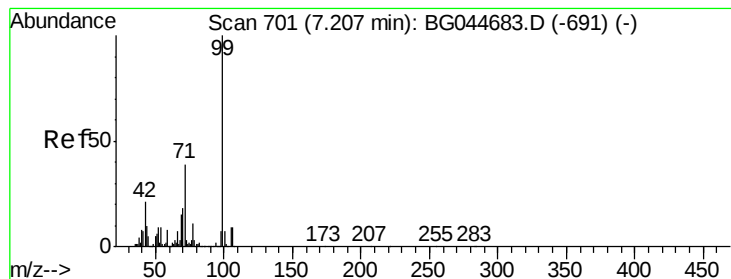


#5

2-Fluorophenol
 Concen: 125.624 ng
 RT: 5.63 min Scan# 432
 Delta R.T. 0.01 min
 Lab File: BG044702.D
 Acq: 9 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	55.4	83.0
63	37.8	32.1	48.1





#7

Phenol-d6

Concen: 116.367 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG044702.D

Acq: 9 Mar 2020 14:20

Instrument :

BNA_G

ClientSampleId :

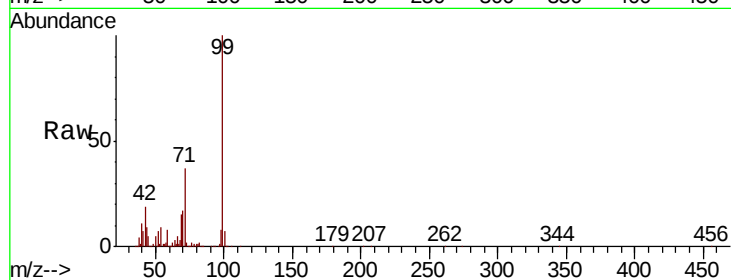
Tot Ion: 99 Resp: 1059982

Ion Ratio Lower Upper

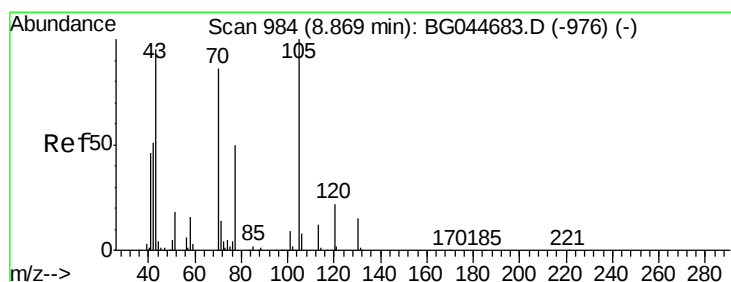
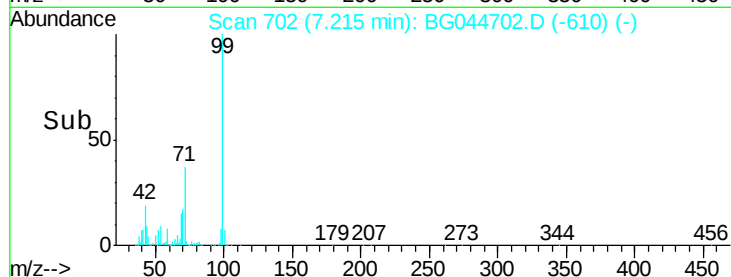
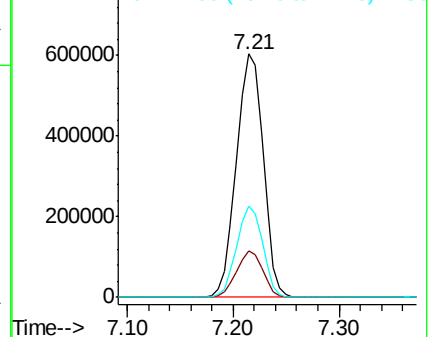
99 100

42 19.3 16.5 24.7

71 37.4 30.9 46.3



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: 12.470 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.35 min

Lab File: BG044702.D

Acq: 9 Mar 2020 14:20

Tgt Ion: 70 Resp: 84859

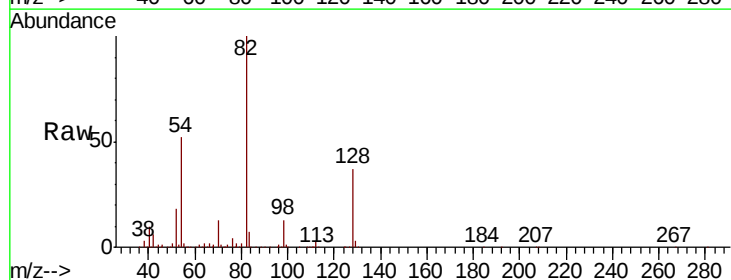
Ion Ratio Lower Upper

70 100

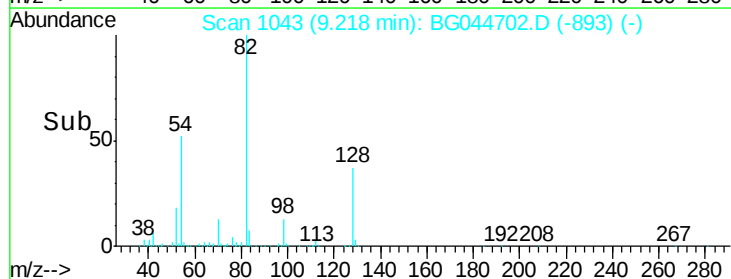
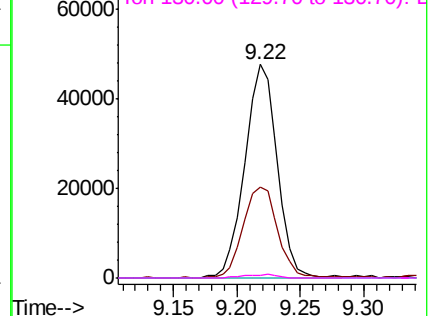
42 42.8 48.9 73.3#

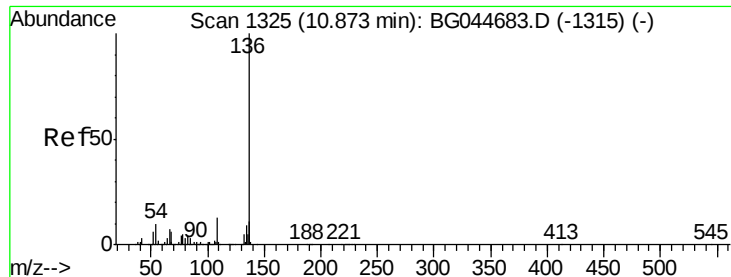
101 0.0 8.0 12.0#

130 1.4 14.1 21.1#



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

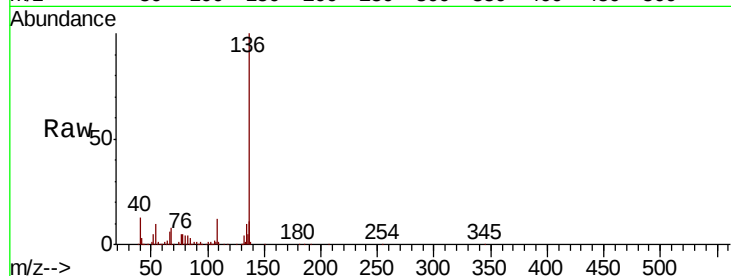




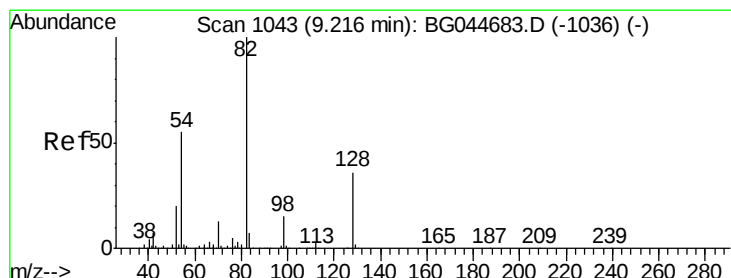
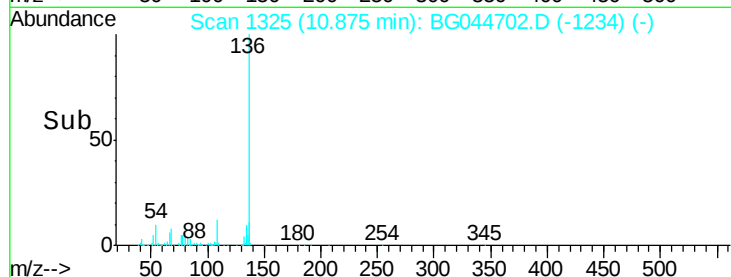
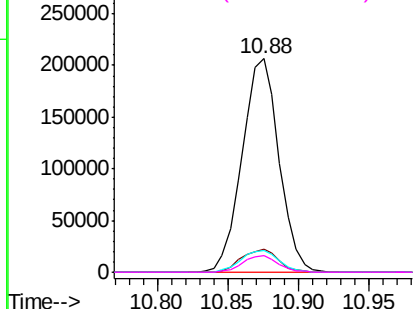
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BG044702.D
Acq: 9 Mar 2020 14:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	377679
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.6	12.8
54 10.0	8.2	12.4
68 7.5	5.3	7.9

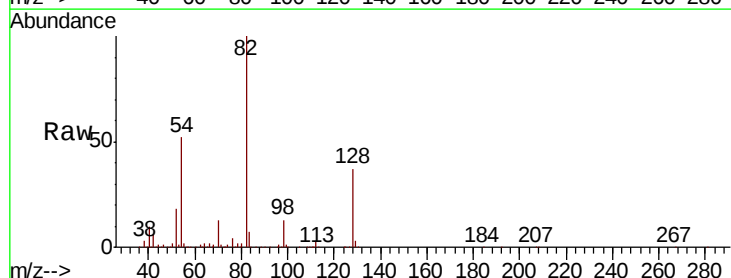


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

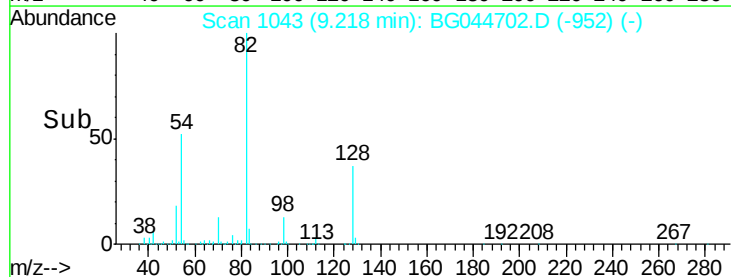
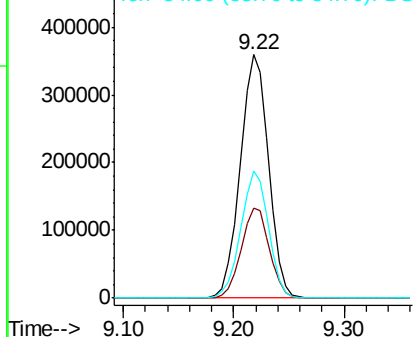


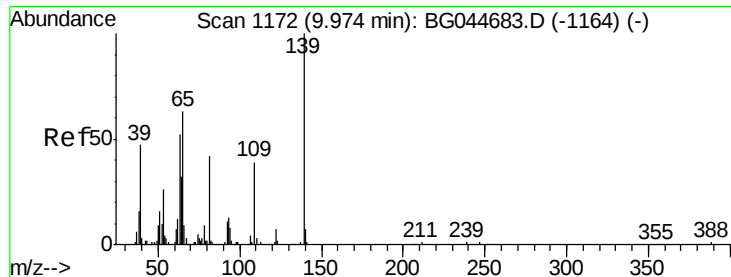
#23
Nitrobenzene-d5
Concen: 78.045 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BG044702.D
Acq: 9 Mar 2020 14:20

Tgt	Ion: 82	Resp:	647383
Ion	Ratio	Lower	Upper
82	100		
128	36.7	28.5	42.7
54	52.1	43.6	65.4



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

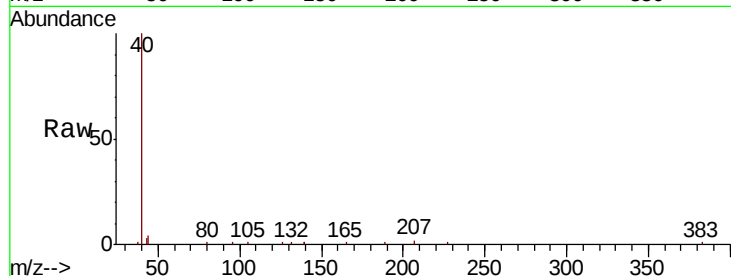




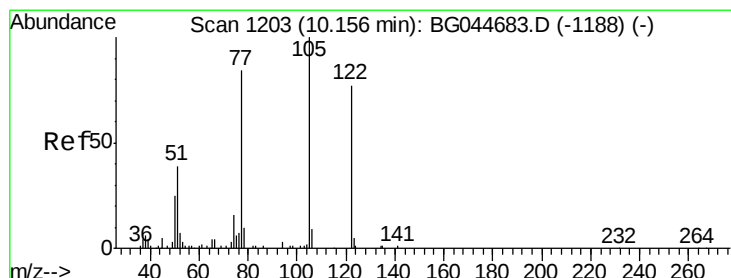
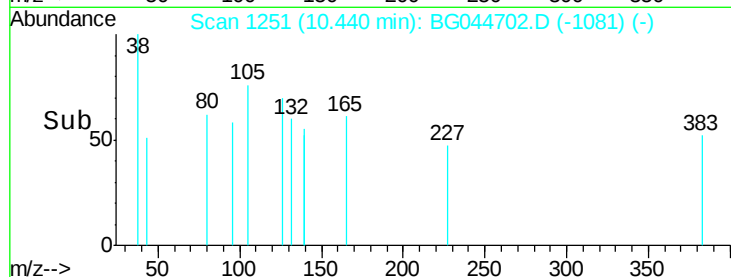
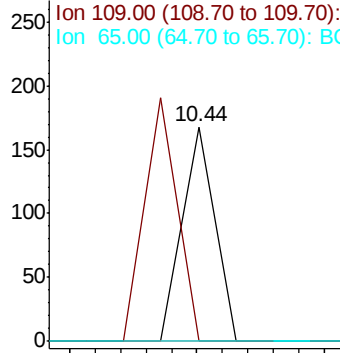
#26
2-Nitrophenol
Concen: 5.988 ng
RT: 10.44 min Scan# 1251
Delta R.T. 0.47 min
Lab File: BG044702.D
Acq: 9 Mar 2020 14:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	31.1	46.7#
65	0.0	50.2	75.4#

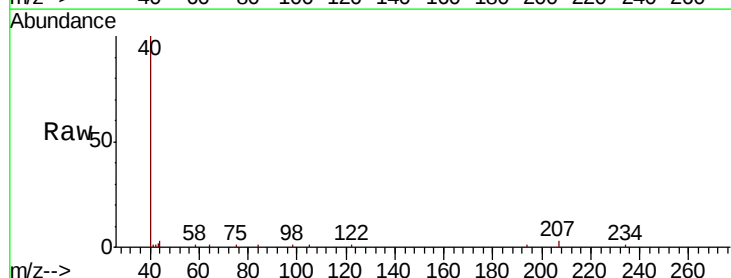


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

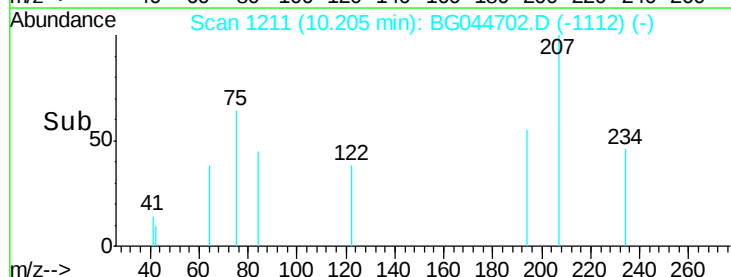
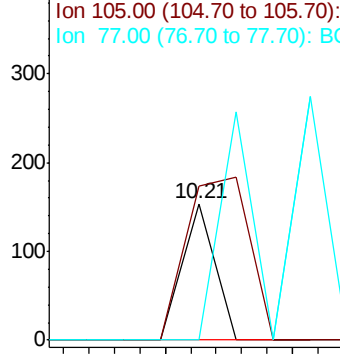


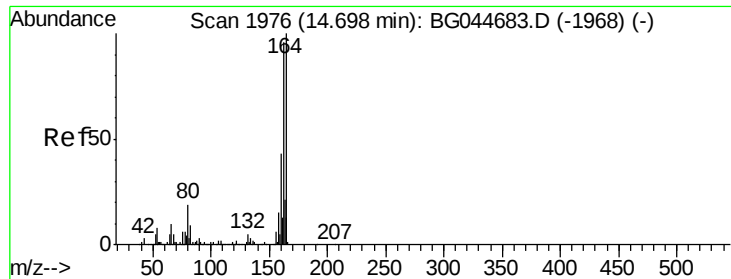
#32
Benzoic acid
Concen: 7.738 ng
RT: 10.21 min Scan# 1211
Delta R.T. 0.05 min
Lab File: BG044702.D
Acq: 9 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
122	100		
105	113.0	105.1	145.1
77	0.0	87.7	127.7#



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# 1975

Delta R.T. -0.00 min

Lab File: BG044702.D

Acq: 9 Mar 2020 14:20

Instrument :

BNA_G

ClientSampleId :

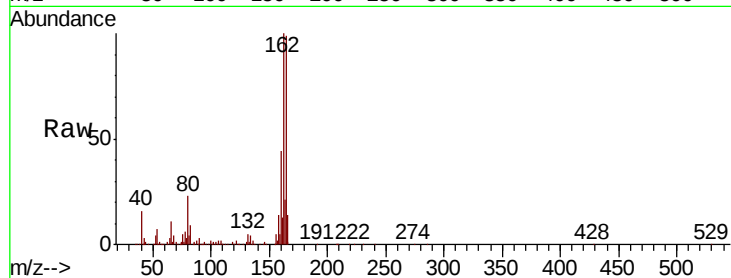
Tot Ion:164 Resp: 259112

Ion Ratio Lower Upper

164 100

162 101.0 76.5 114.7

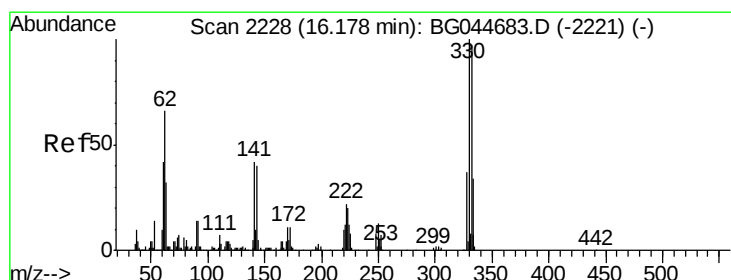
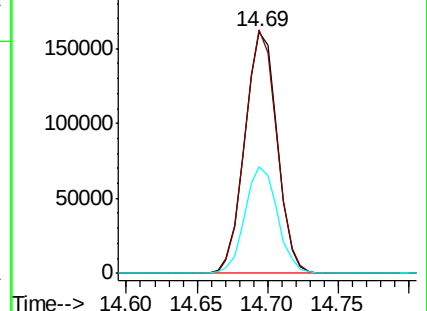
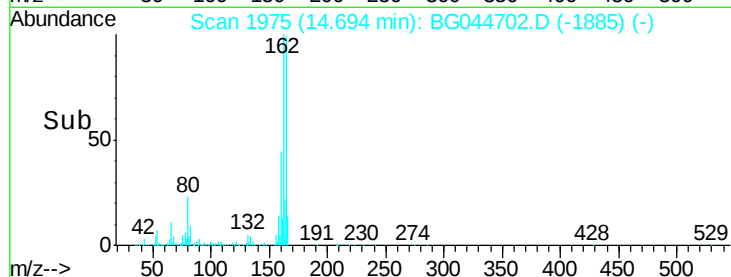
160 44.1 34.8 52.2



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: 106.136 ng

RT: 16.18 min Scan# 2228

Delta R.T. 0.00 min

Lab File: BG044702.D

Acq: 9 Mar 2020 14:20

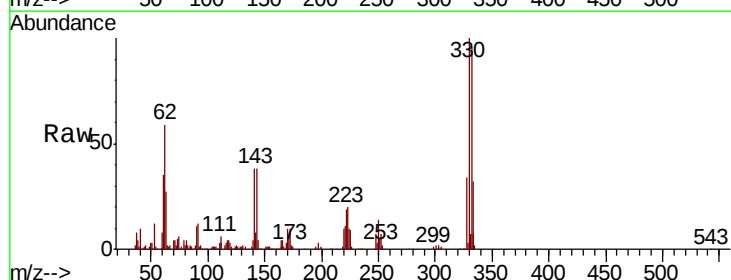
Tgt Ion:330 Resp: 377772

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

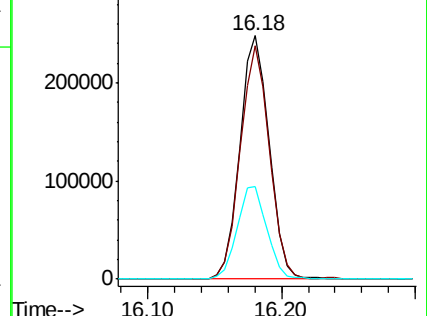
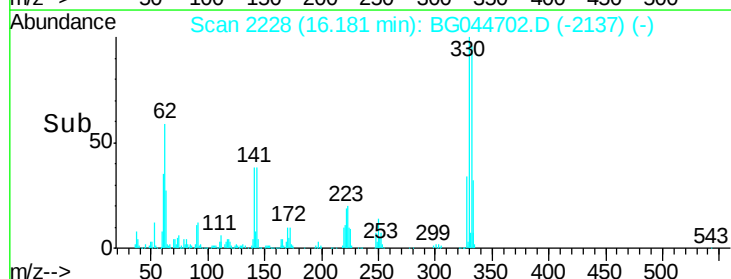
141 38.8 32.4 48.6

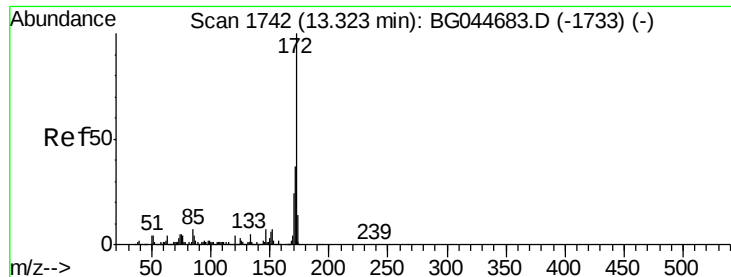


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

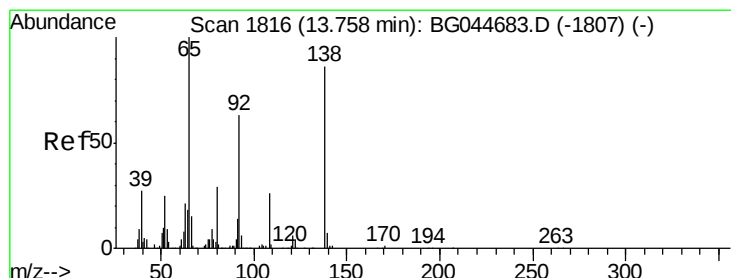
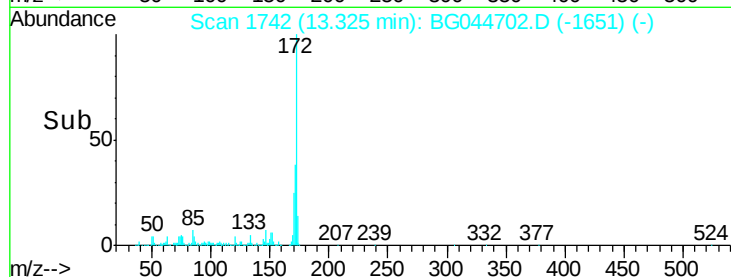
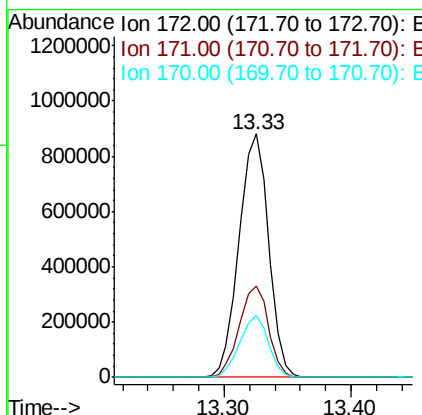
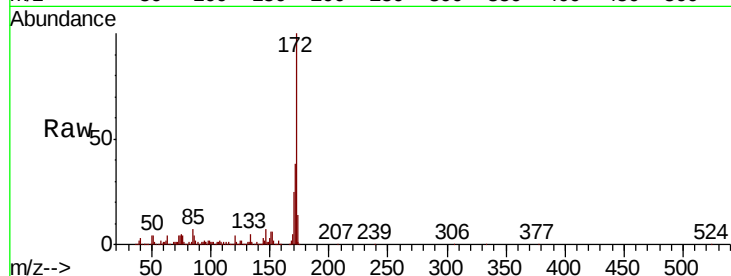




#45
2-Fluorobiphenyl
Concen: 76.642 ng
RT: 13.33 min Scan# 1742
Delta R.T. 0.00 min
Lab File: BG044702.D
Acq: 9 Mar 2020 14:20

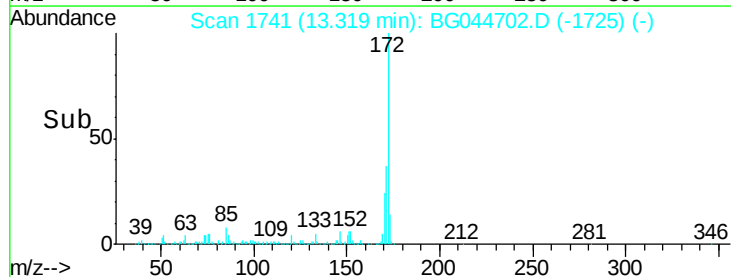
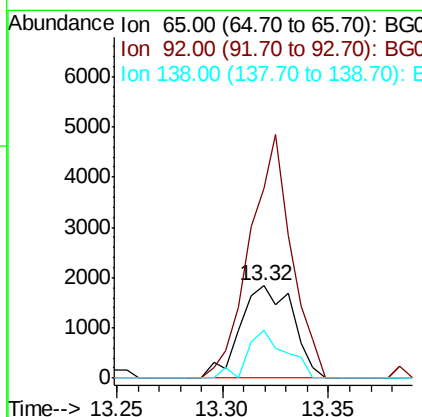
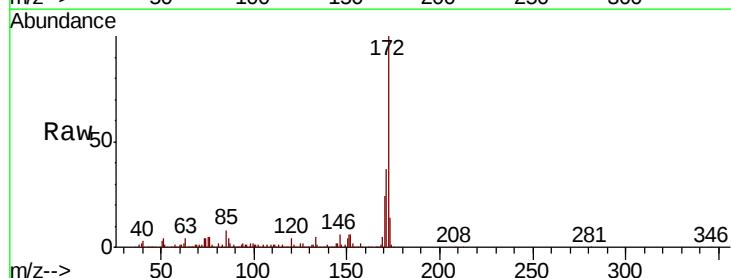
Instrument :
BNA_G
ClientSampleId :

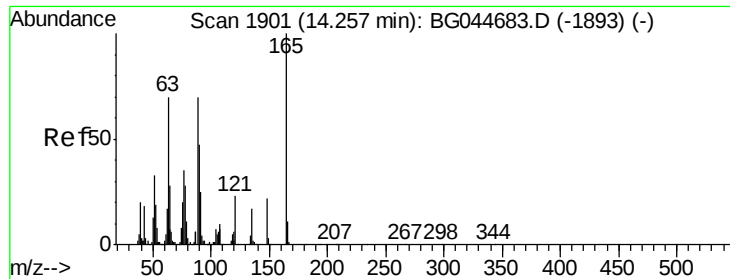
Tot Ion:172 Resp: 1425596
Ion Ratio Lower Upper
172 100
171 37.6 29.8 44.8
170 25.4 19.3 28.9



#48
2-Nitroaniline
Concen: 6.279 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.44 min
Lab File: BG044702.D
Acq: 9 Mar 2020 14:20

Tgt Ion: 65 Resp: 3164
Ion Ratio Lower Upper
65 100
92 206.7 50.6 75.8#
138 51.8 68.8 103.2#

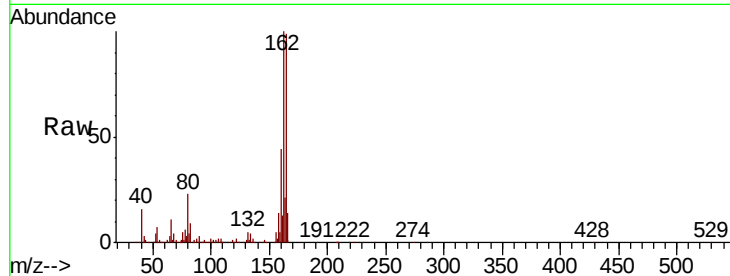




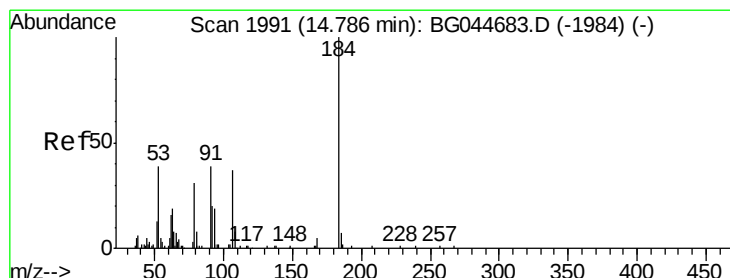
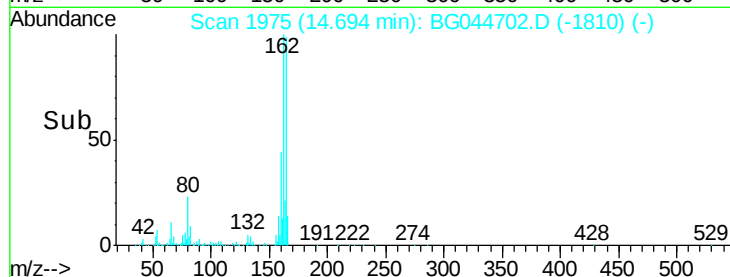
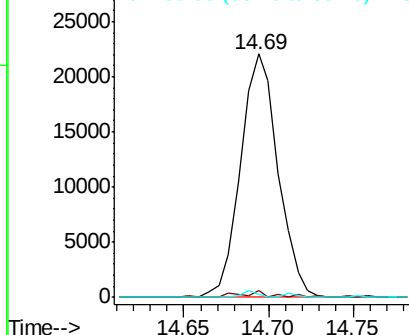
#51
2,6-Dinitrotoluene
Concen: 8.781 ng
RT: 14.69 min Scan# 1975
Delta R.T. 0.44 min
Lab File: BG044702.D
Acq: 9 Mar 2020 14:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 33988
Ion Ratio Lower Upper
165 100
63 2.8 57.4 86.0#
89 1.1 56.2 84.2#

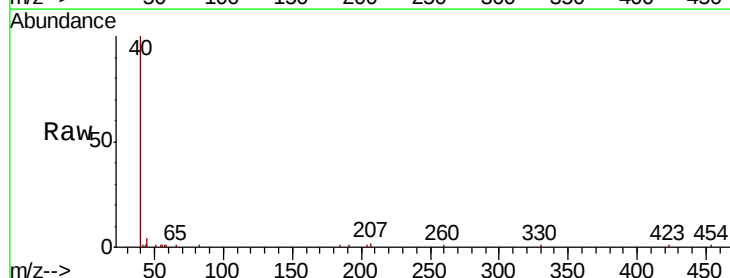


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

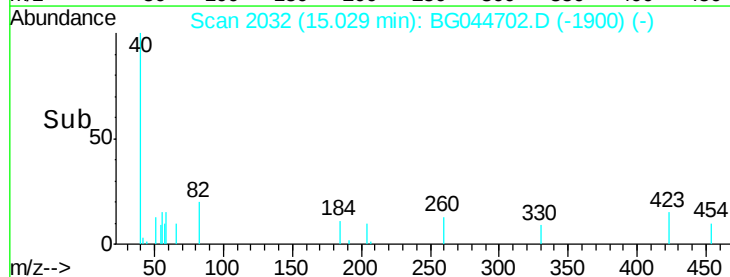
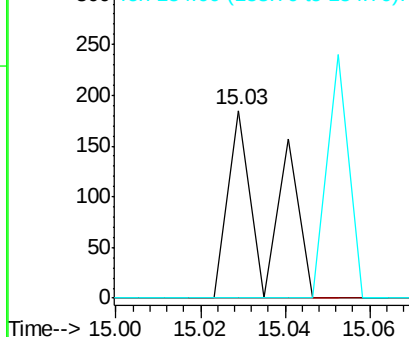


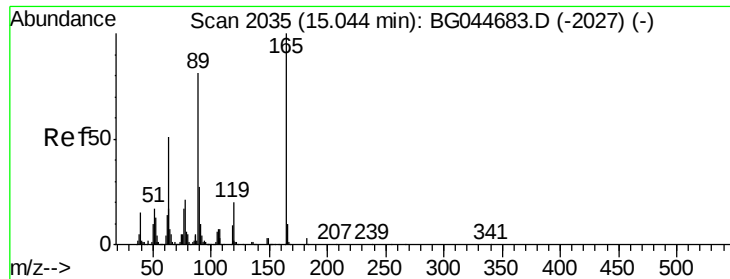
#54
2,4-Dinitrophenol
Concen: 7.138 ng
RT: 15.03 min Scan# 2032
Delta R.T. 0.24 min
Lab File: BG044702.D
Acq: 9 Mar 2020 14:20

Tgt Ion:184 Resp: 121
Ion Ratio Lower Upper
184 100
63 0.0 42.4 63.6#
154 0.0 75.0 112.4#



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

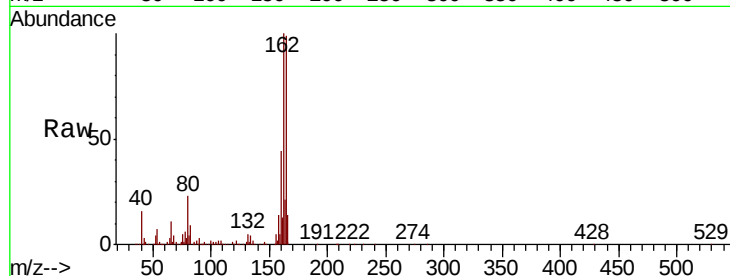




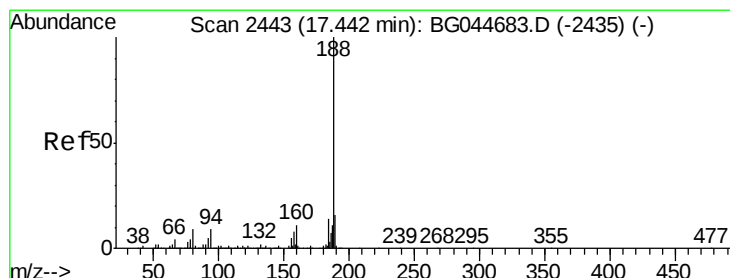
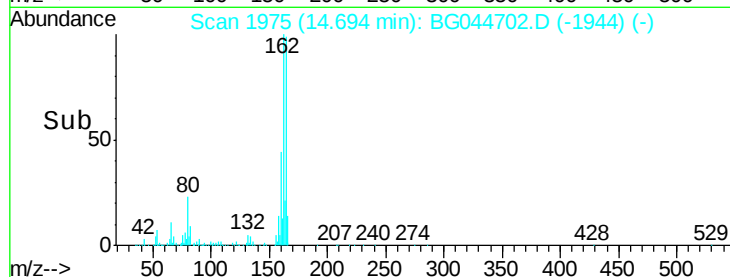
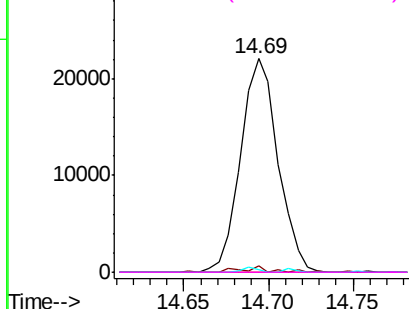
#57
 2,4-Dinitrotoluene
 Concen: 11.446 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.35 min
 Lab File: BG044702.D
 Acq: 9 Mar 2020 14:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 33988
 Ion Ratio Lower Upper
 165 100
 63 2.8 40.6 61.0#
 89 1.1 65.0 97.6#
 182 0.0 2.4 3.6#

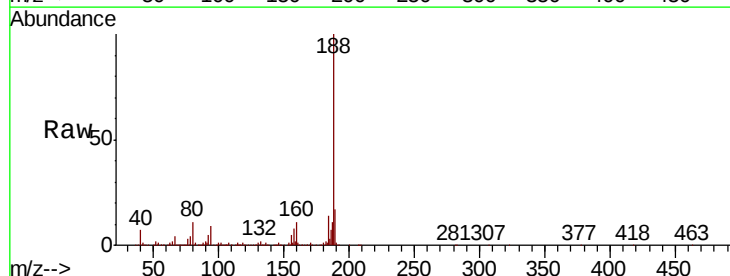


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

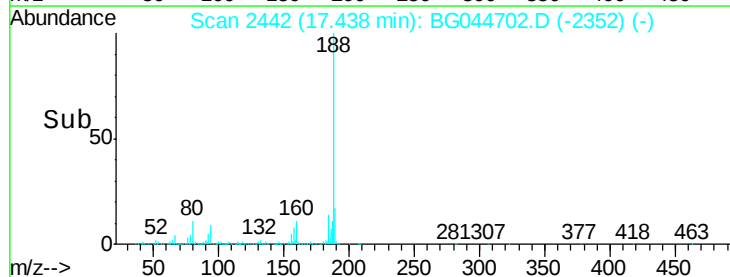
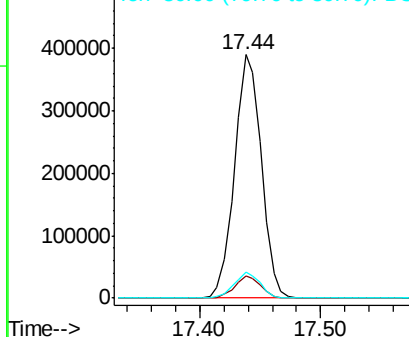


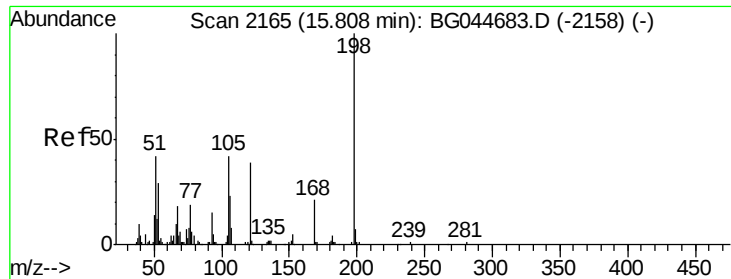
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BG044702.D
 Acq: 9 Mar 2020 14:20

Tgt Ion:188 Resp: 603104
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.4 11.0
 80 10.6 7.3 10.9



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: 7.935 ng

RT: 15.86 min Scan# 2173

Delta R.T. 0.05 min

Lab File: BG044702.D

Acq: 9 Mar 2020 14:20

Instrument :

BNA_G

ClientSampleId :

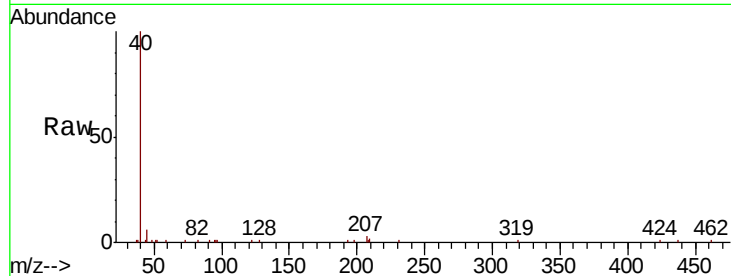
Tot Ion:198 Resp: 67

Ion Ratio Lower Upper

198 100

51 120.4 27.1 67.1#

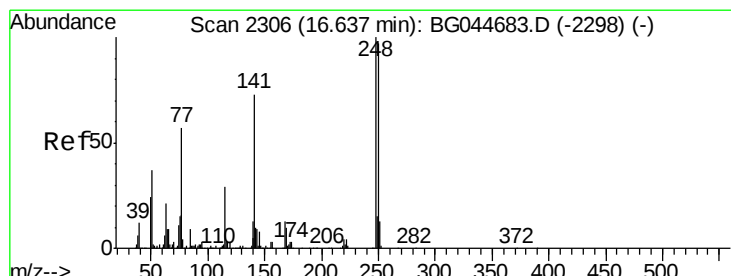
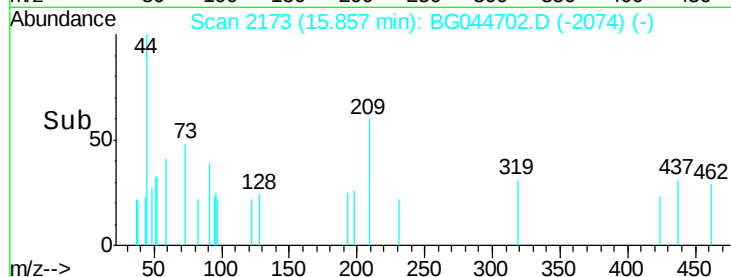
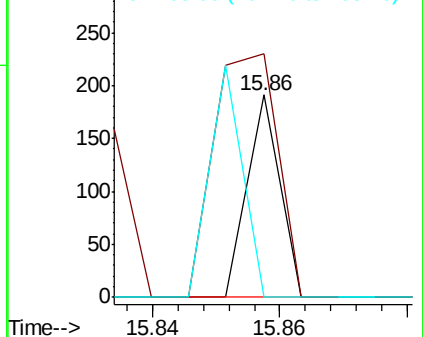
105 0.0 23.6 63.6#



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



#67

4-Bromophenyl-phenylether

Concen: 3.511 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.46 min

Lab File: BG044702.D

Acq: 9 Mar 2020 14:20

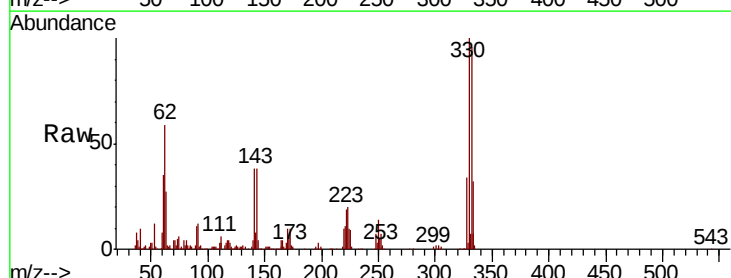
Tgt Ion:248 Resp: 26702

Ion Ratio Lower Upper

248 100

250 194.3 77.4 116.2#

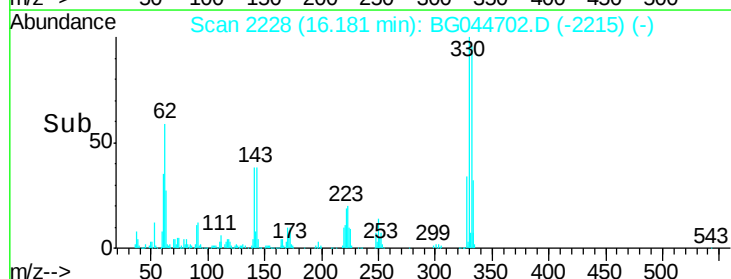
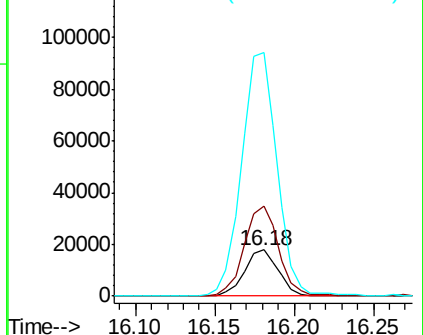
141 524.2 58.1 87.1#

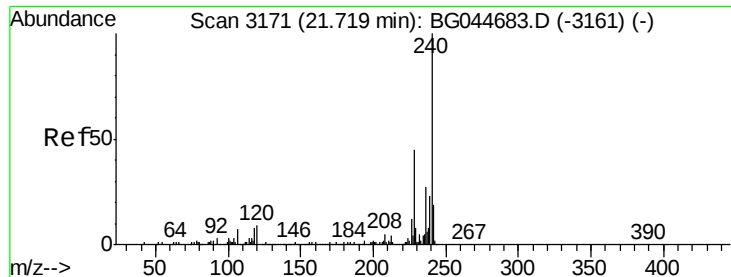


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.71 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BG044702.D

Acq: 9 Mar 2020 14:20

Instrument :

BNA_G

ClientSampled :

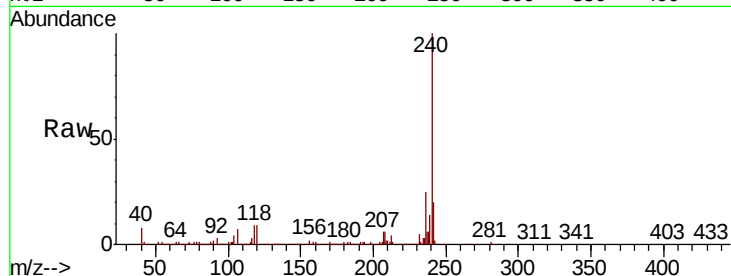
Tot Ion:240 Resp: 657181

Ion Ratio Lower Upper

240 100

120 9.3 7.0 10.6

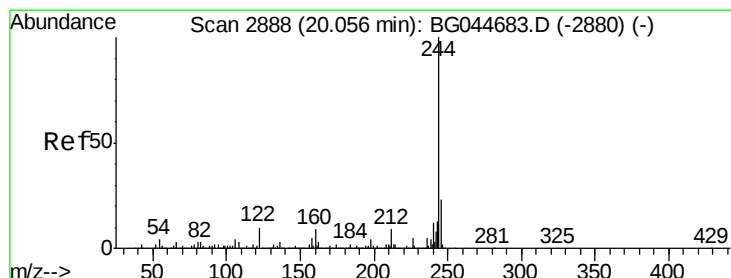
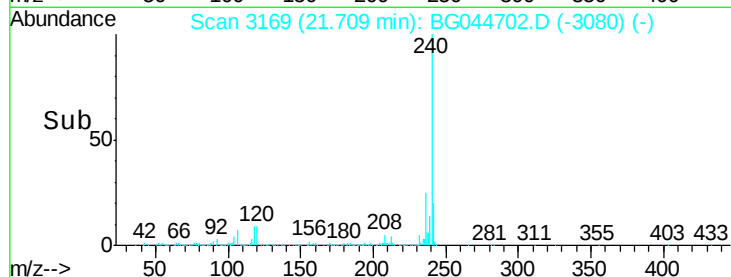
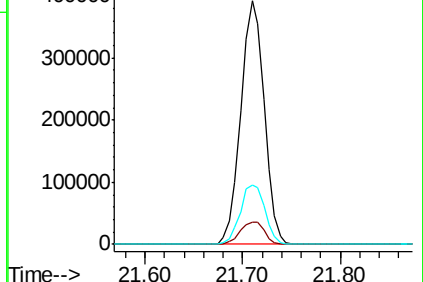
236 24.5 21.5 32.3



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: 67.507 ng

RT: 20.05 min Scan# 2887

Delta R.T. -0.00 min

Lab File: BG044702.D

Acq: 9 Mar 2020 14:20

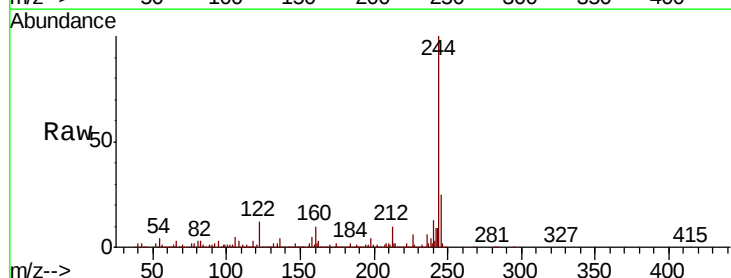
Tgt Ion:244 Resp: 2485362

Ion Ratio Lower Upper

244 100

212 10.3 7.5 11.3

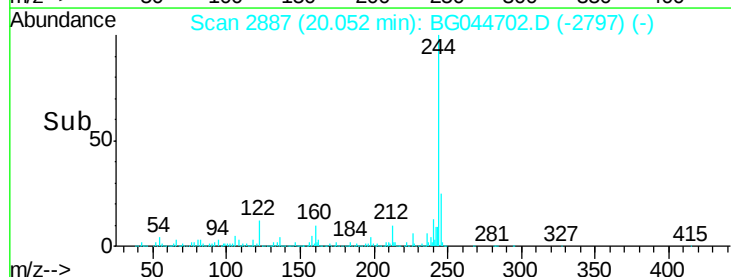
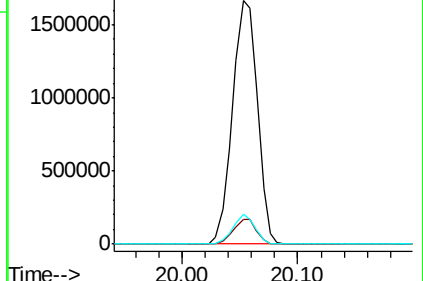
122 12.2 7.7 11.5#

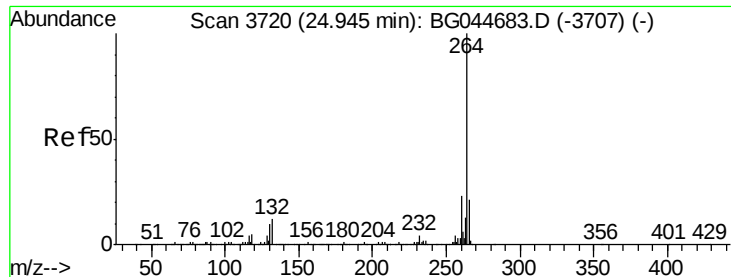


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

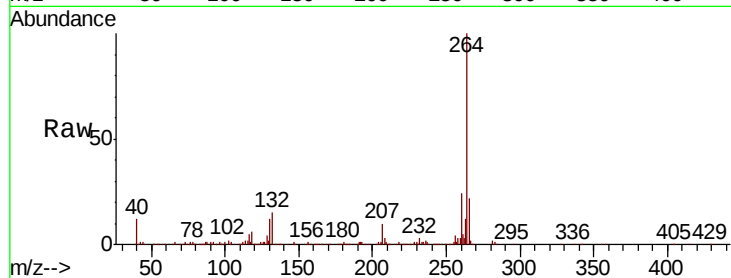




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.01 min
Lab File: BG044702.D
Acq: 9 Mar 2020 14:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.4	27.6
265	22.5	16.9	25.3



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

