

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031820\
 Data File : BG044897.D
 Acq On : 19 Mar 2020 14:18
 Operator : CG/JU
 Sample : L1873-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 19 14:57:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

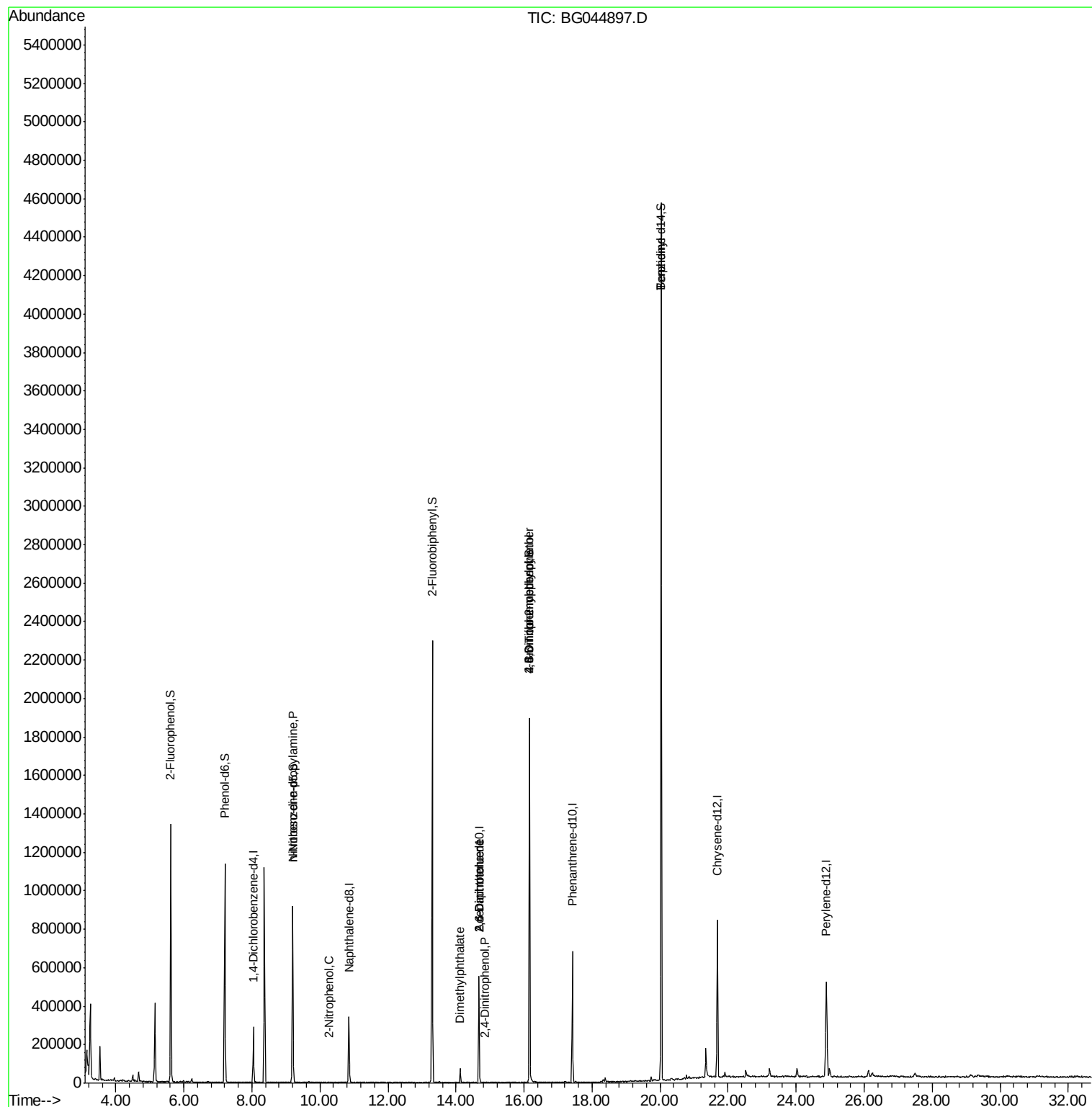
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	77872	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	296879	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	196685	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	452047	20.00	ng	0.00
76) Chrysene-d12	21.69	240	467863	20.00	ng	-0.01
87) Perylene-d12	24.89	264	538374	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	563612	112.67	ng	0.00
7) Phenol-d6	7.20	99	708404	97.47	ng	0.00
23) Nitrobenzene-d5	9.20	82	599952	88.68	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	378904	147.13	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1219289	88.77	ng	0.00
79) Terphenyl-d14	20.03	244	2184254	87.33	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	1678	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.20	70	80234	15.634 ng	#	78
26) 2-Nitrophenol	10.25	139	56	5.536 ng	#	28
50) Dimethylphthalate	14.12	163	50180	3.203 ng	#	98
51) 2,6-Dinitrotoluene	14.68	165	25206	7.983 ng	#	22
54) 2,4-Dinitrophenol	14.86	184	67	8.359 ng	#	21
57) 2,4-Dinitrotoluene	14.68	165	25206	5.820 ng	#	23
65) 4,6-Dinitro-2-methylphenol	16.15	198	1329	8.252 ng	#	47
67) 4-Bromophenyl-phenylether	16.16	248	26041	4.608 ng	#	1
77) Benzidine	20.03	184	43228	2.846 ng	#	90

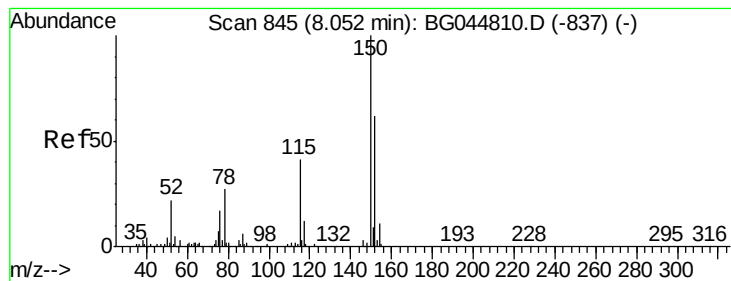
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031820\
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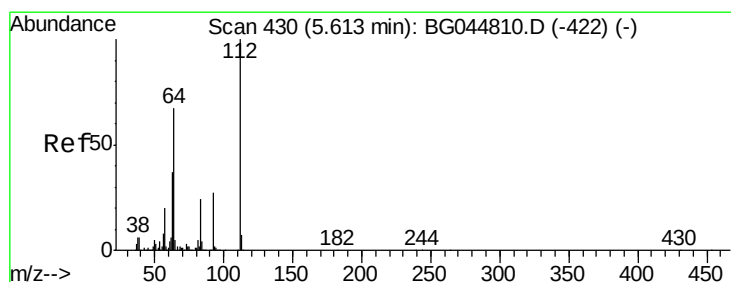
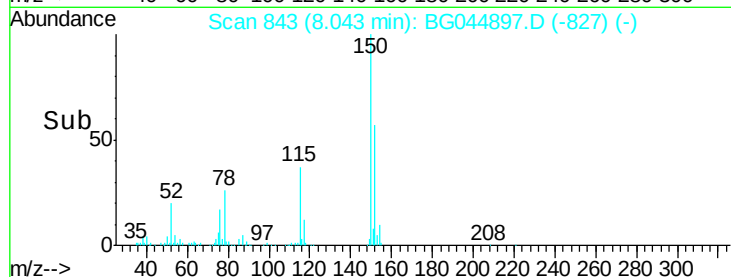
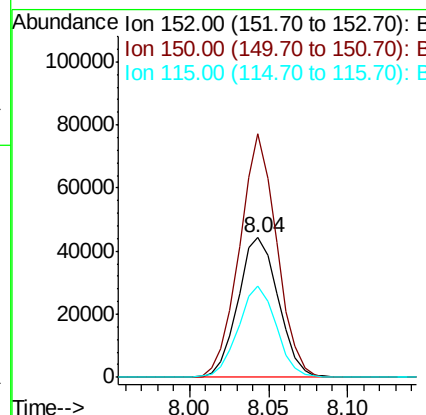
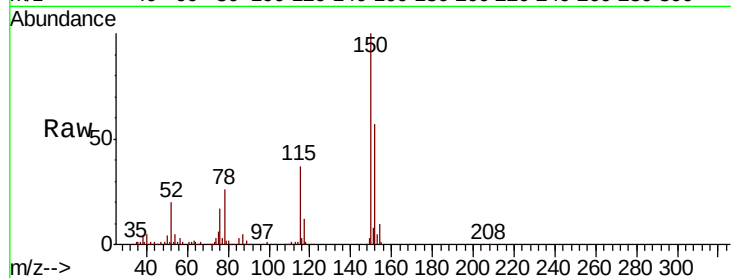


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044897.D
Acq: 19 Mar 2020 14:18

Instrument :
BNA_G
ClientSampled :

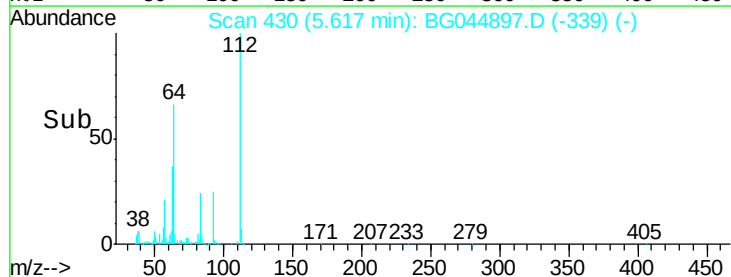
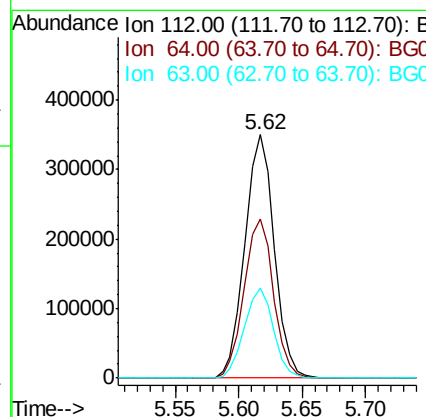
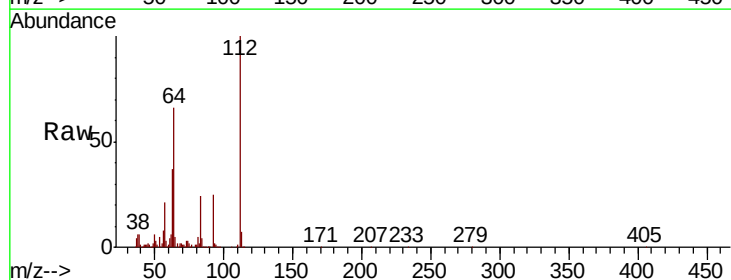
Tot Ion	152	Resp	77872
Ion Ratio	Lower	Upper	
152	100		
150	174.3	128.8	193.2
115	65.3	52.6	79.0

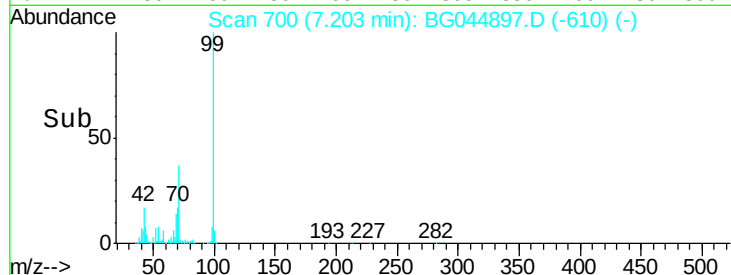
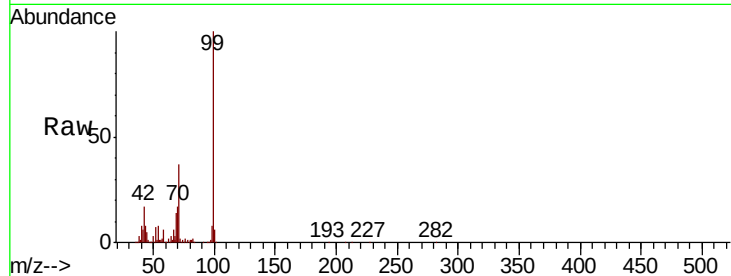
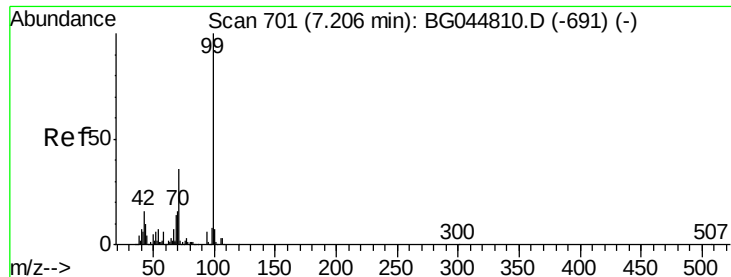


#5

2-Fluorophenol
Concen: 112.668 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044897.D
Acq: 19 Mar 2020 14:18

Tgt Ion	112	Resp	563612
Ion Ratio	Lower	Upper	
112	100		
64	65.6	53.4	80.2
63	36.8	29.4	44.2





#7

Phenol-d6

Concen: 97.467 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044897.D

Acq: 19 Mar 2020 14:18

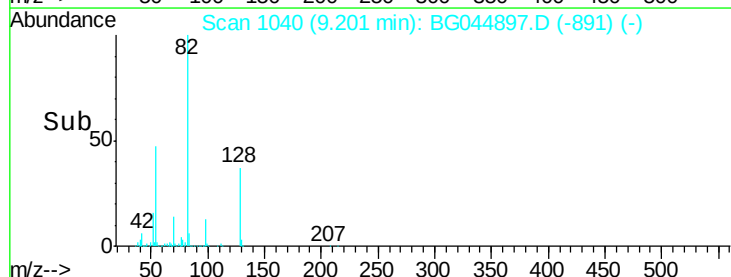
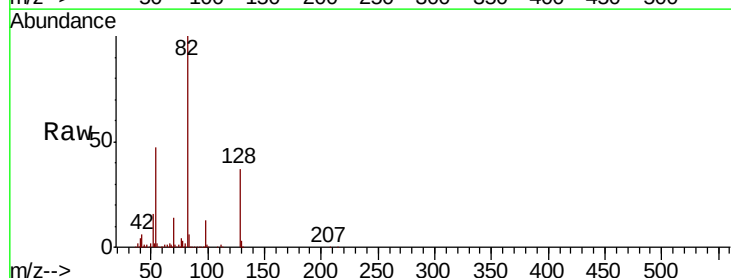
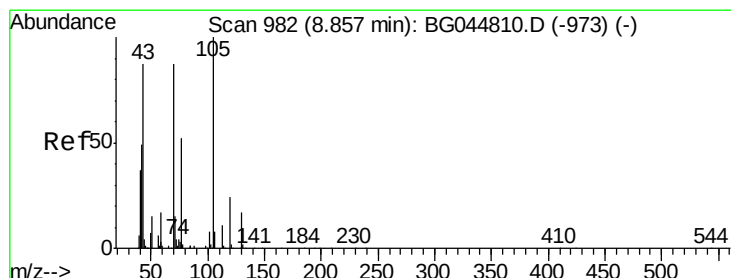
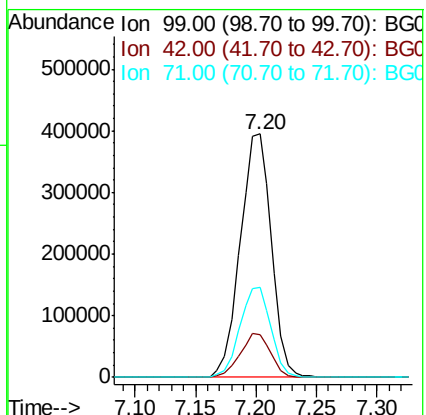
Tot Ion: 99 Resp: 708404

Ion Ratio Lower Upper

99 100

42 17.5 12.6 19.0

71 37.1 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.634 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044897.D

Acq: 19 Mar 2020 14:18

Tgt Ion: 70 Resp: 80234

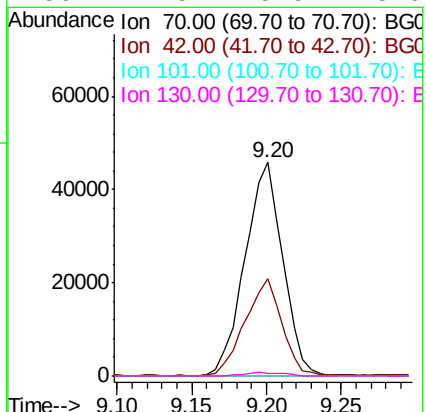
Ion Ratio Lower Upper

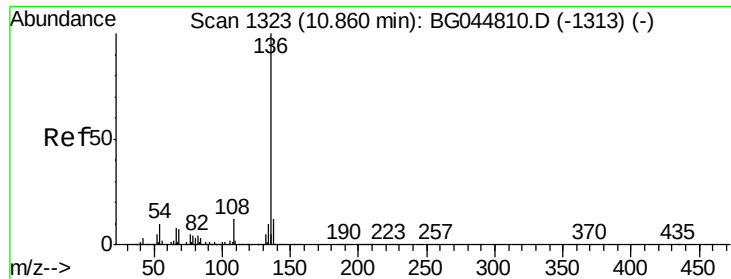
70 100

42 45.8 45.7 68.5

101 0.0 7.4 11.2#

130 1.5 15.9 23.9#

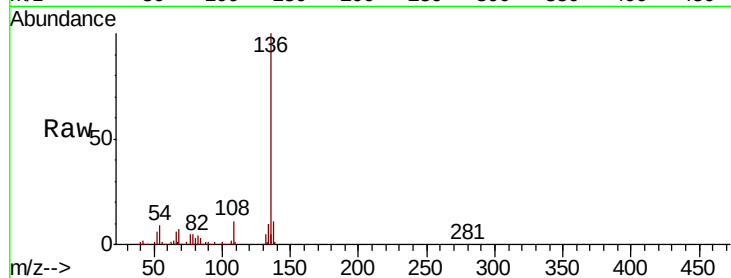




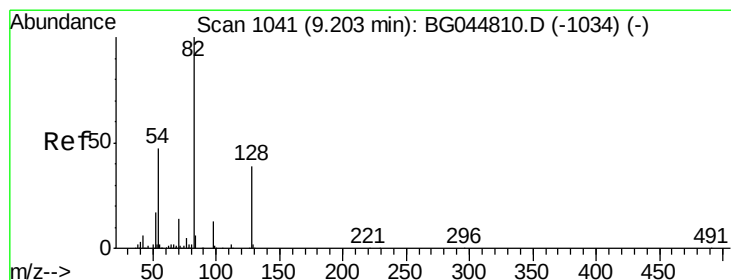
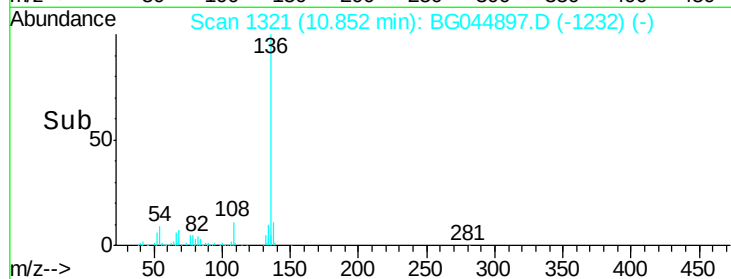
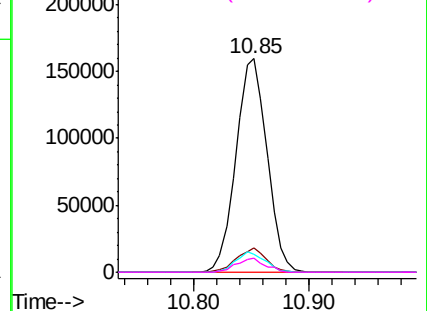
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044897.D
Acq: 19 Mar 2020 14:18

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	296879	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	9.8	14.6	
54 8.5	7.9	11.9	
68 6.7	5.4	8.0	

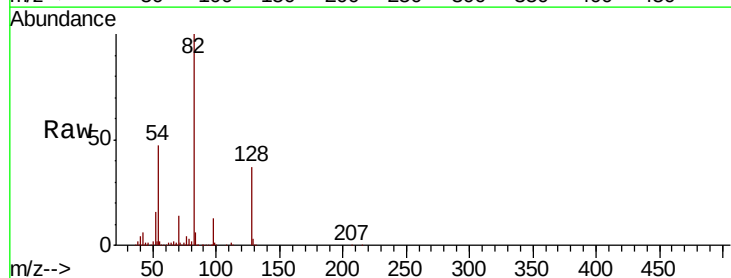


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

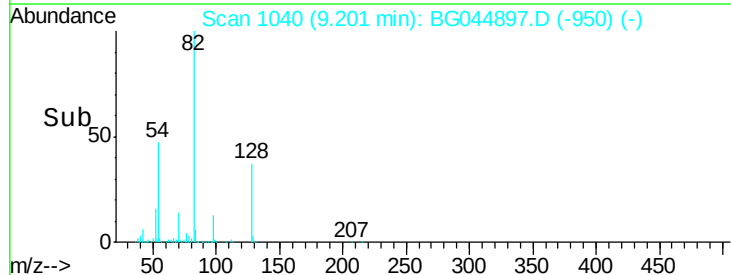
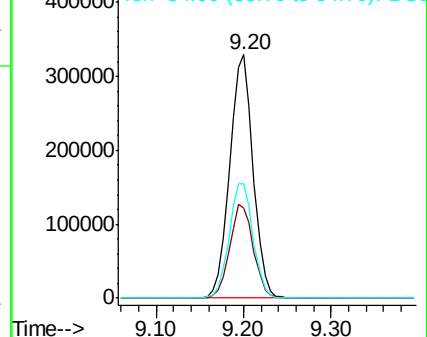


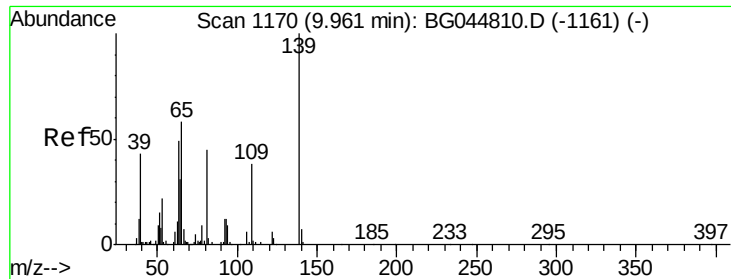
#23
Nitrobenzene-d5
Concen: 88.678 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044897.D
Acq: 19 Mar 2020 14:18

Tgt Ion: 82	Resp: 599952
Ion Ratio	Lower Upper
82 100	
128 37.0	30.6 46.0
54 47.1	37.1 55.7



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

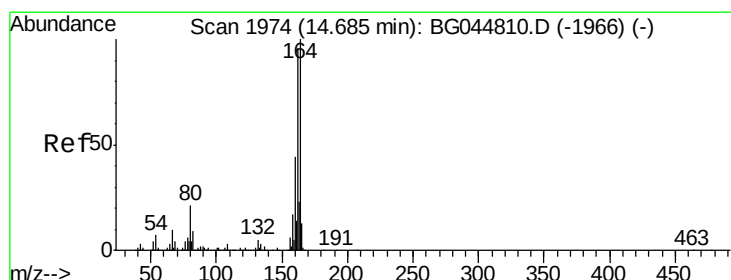
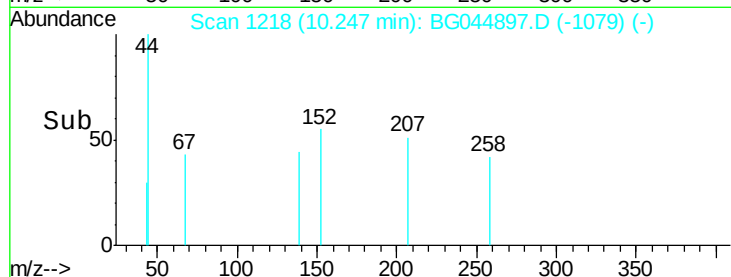
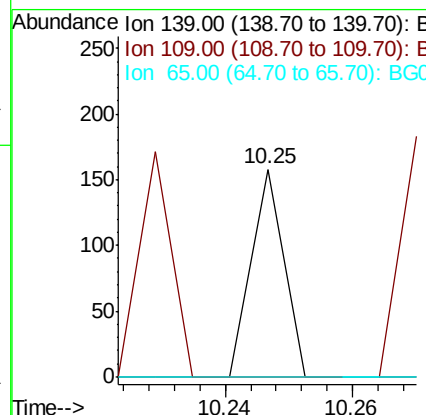
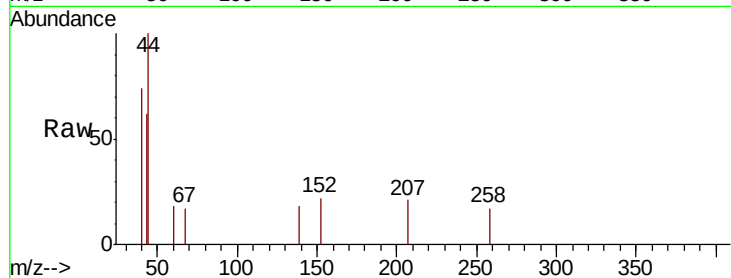




#26
2-Nitrophenol
Concen: 5.536 ng
RT: 10.25 min Scan# 1218
Delta R.T. 0.29 min
Lab File: BG044897.D
Acq: 19 Mar 2020 14:18

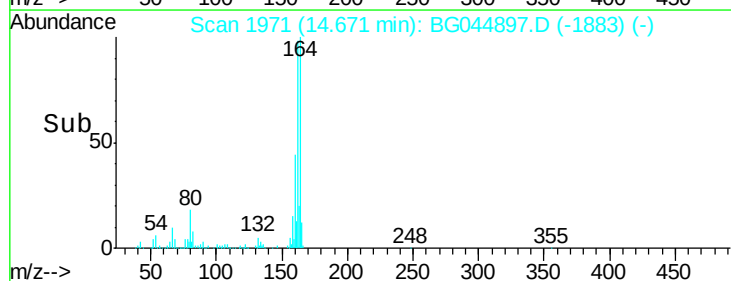
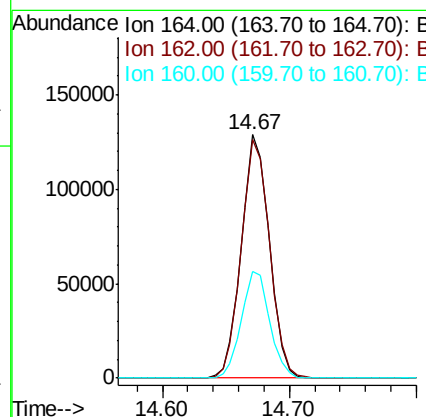
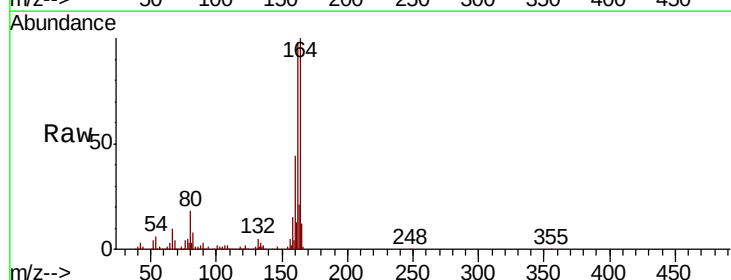
Instrument :
BNA_G
ClientSampleId :

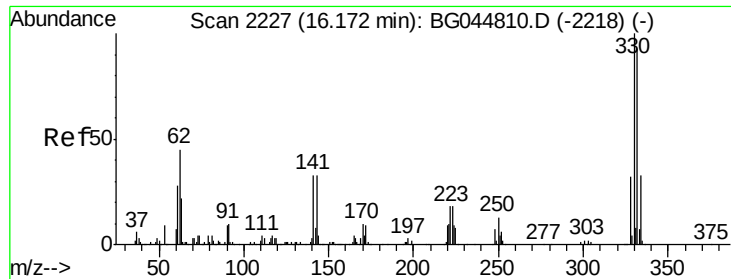
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.01 min
Lab File: BG044897.D
Acq: 19 Mar 2020 14:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.0	76.7	115.1
160	43.6	35.0	52.4





#42

2,4,6-Tribromophenol

Concen: 147.131 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG044897.D

Acq: 19 Mar 2020 14:18

Instrument :

BNA_G

ClientSampleId :

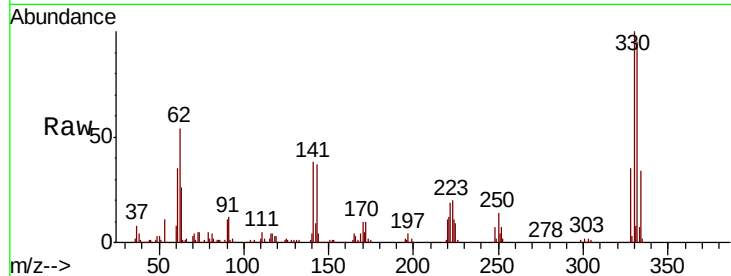
Tot Ion:330 Resp: 378904

Ion Ratio Lower Upper

330 100

332 97.1 77.8 116.6

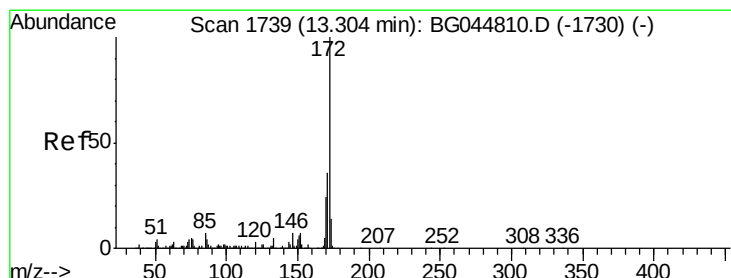
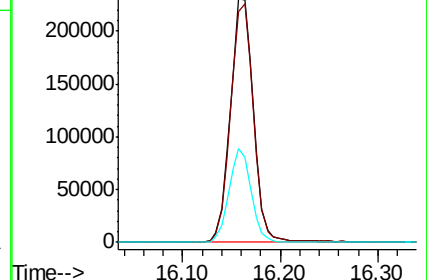
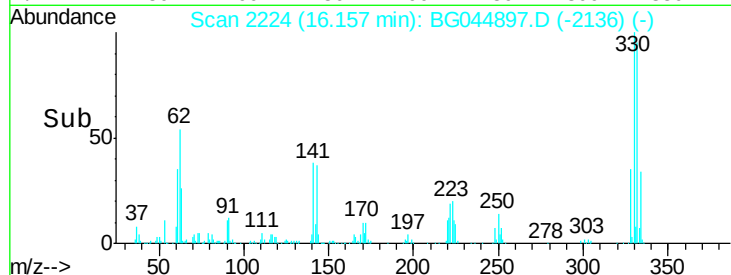
141 36.9 29.5 44.3



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: 88.775 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.00 min

Lab File: BG044897.D

Acq: 19 Mar 2020 14:18

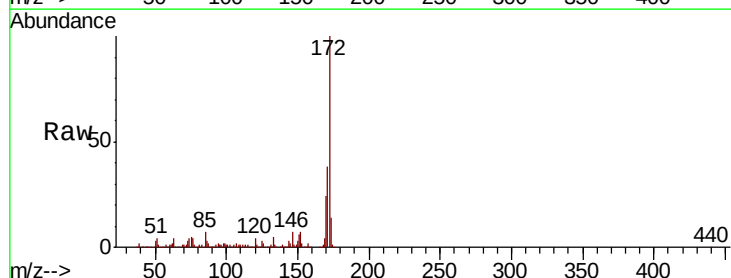
Tgt Ion:172 Resp: 1219289

Ion Ratio Lower Upper

172 100

171 38.5 28.7 43.1

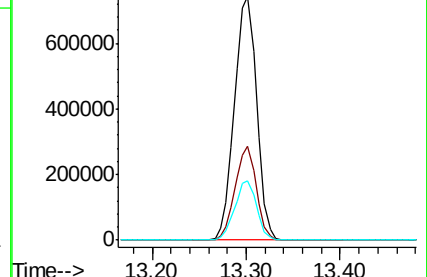
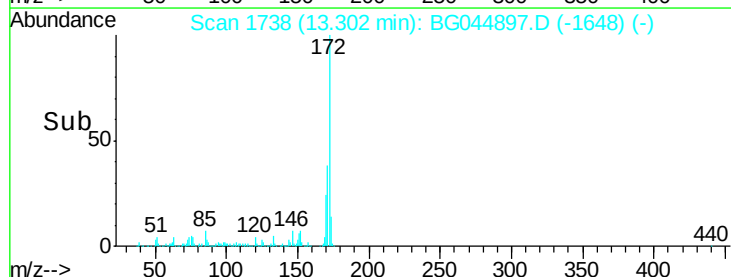
170 24.2 19.0 28.6

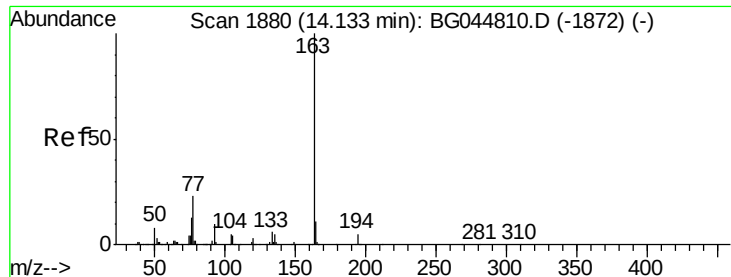


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.203 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG044897.D

Acq: 19 Mar 2020 14:18

Instrument :

BNA_G

ClientSampleId :

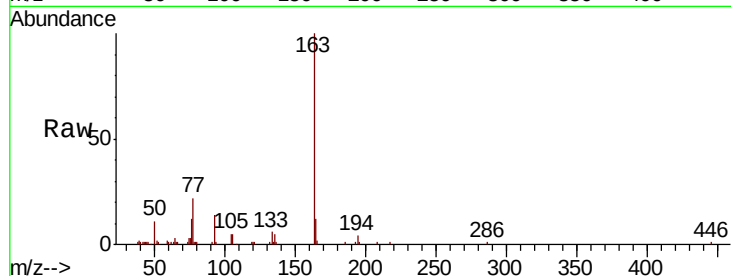
Tot Ion:163 Resp: 50180

Ion Ratio Lower Upper

163 100

194 4.0 3.7 5.5

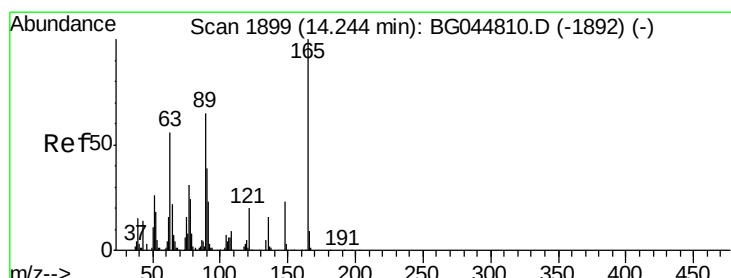
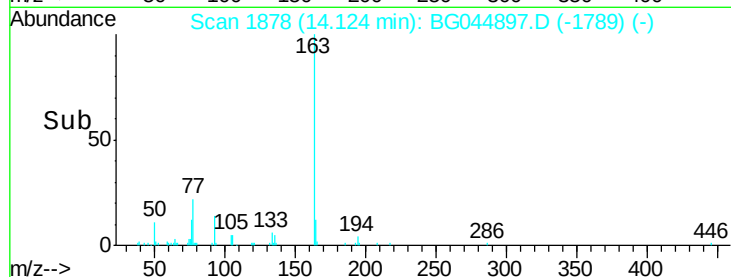
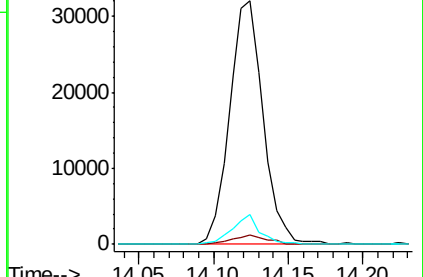
164 12.3 9.1 13.7



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: 7.983 ng

RT: 14.68 min Scan# 1972

Delta R.T. 0.43 min

Lab File: BG044897.D

Acq: 19 Mar 2020 14:18

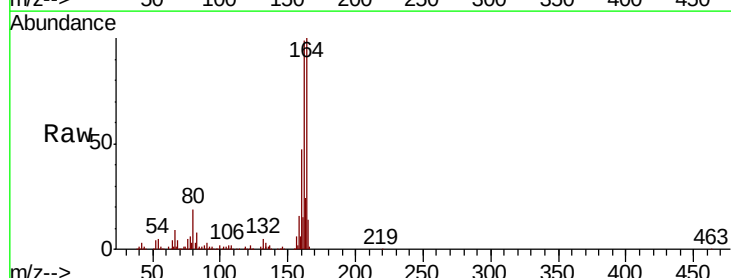
Tgt Ion:165 Resp: 25206

Ion Ratio Lower Upper

165 100

63 2.3 45.8 68.8#

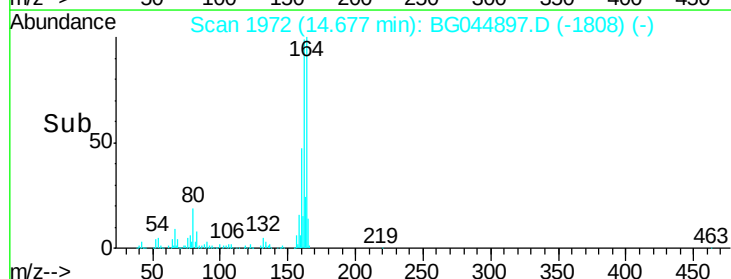
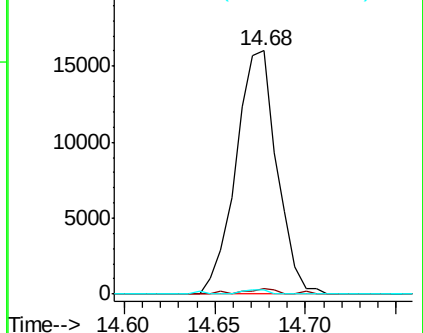
89 1.6 51.8 77.6#

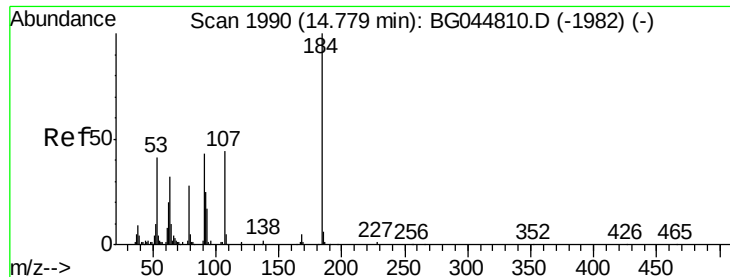


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

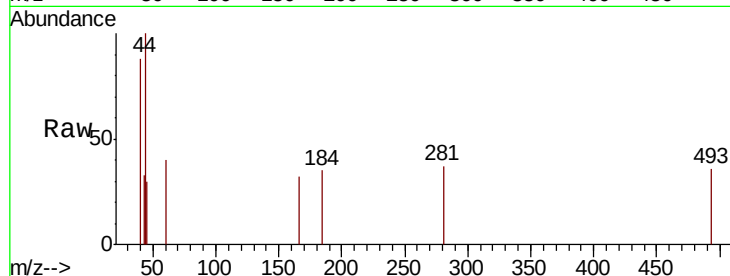




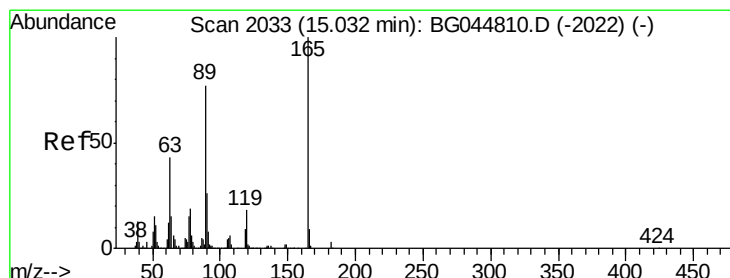
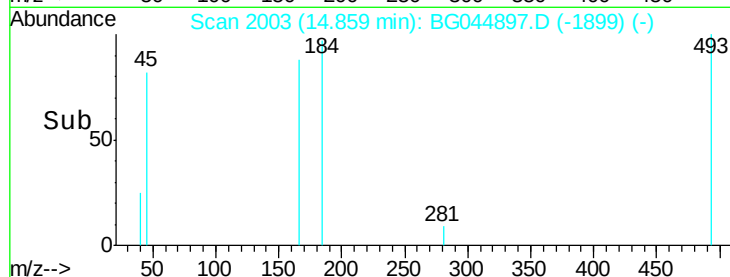
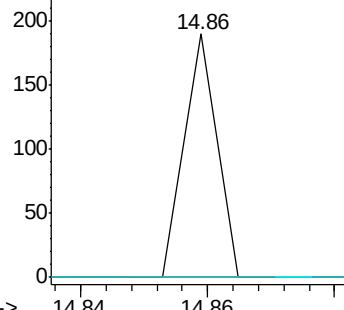
#54
2,4-Dinitrophenol
Concen: 8.359 ng
RT: 14.86 min Scan# 2003
Delta R.T. 0.08 min
Lab File: BG044897.D
Acq: 19 Mar 2020 14:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#

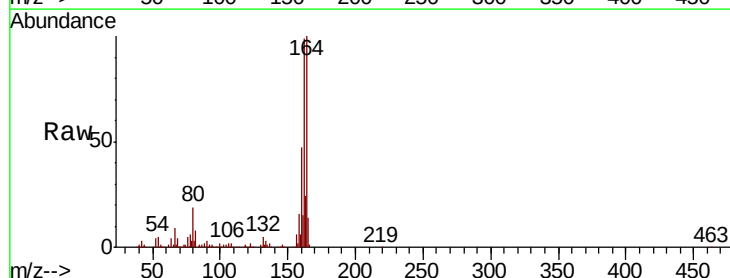


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

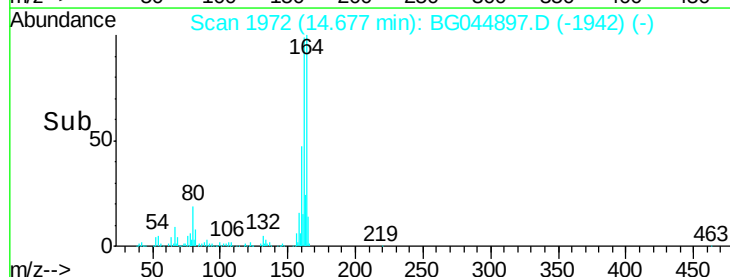
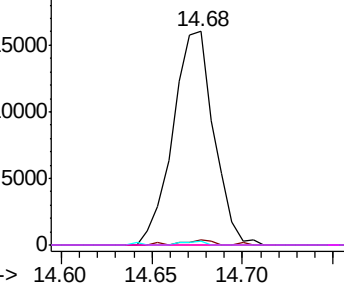


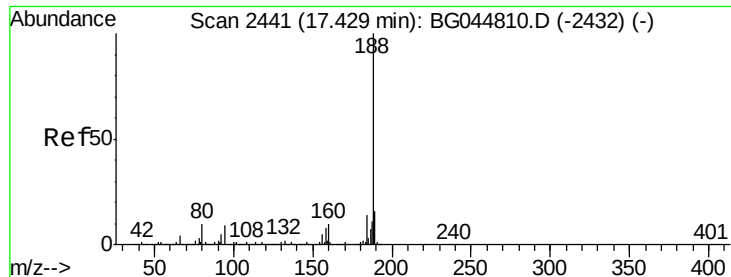
#57
2,4-Dinitrotoluene
Concen: 5.820 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.35 min
Lab File: BG044897.D
Acq: 19 Mar 2020 14:18

Tgt Ion:165 Resp: 25206
Ion Ratio Lower Upper
165 100
63 2.3 34.6 52.0#
89 1.6 61.3 91.9#
182 0.0 2.2 3.2#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044897.D

Acq: 19 Mar 2020 14:18

Instrument :

BNA_G

ClientSampleId :

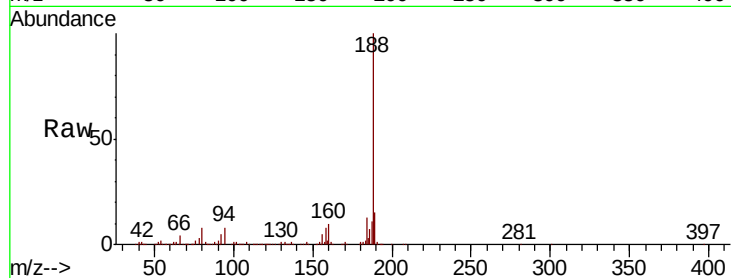
Tot Ion:188 Resp: 452047

Ion Ratio Lower Upper

188 100

94 7.5 7.3 10.9

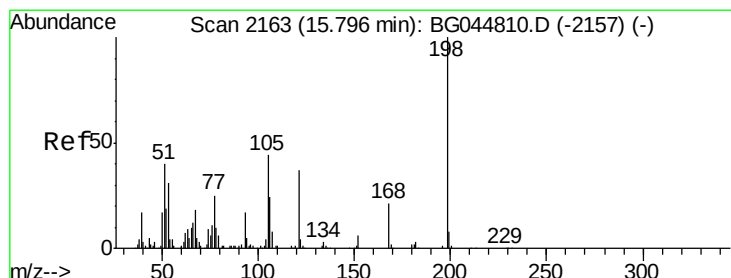
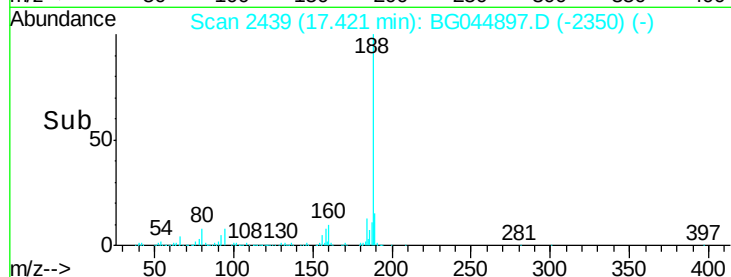
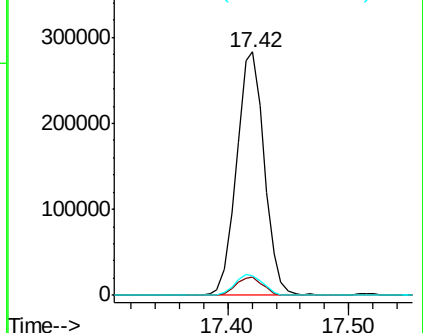
80 8.3 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.252 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.36 min

Lab File: BG044897.D

Acq: 19 Mar 2020 14:18

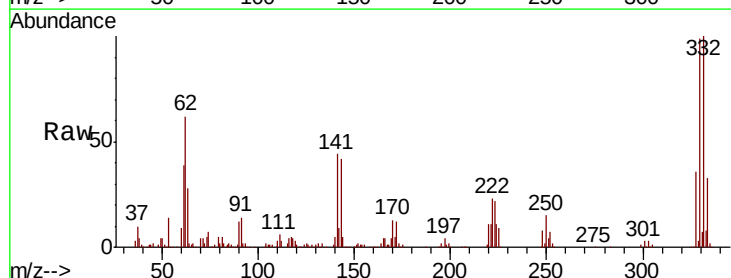
Tgt Ion:198 Resp: 1329

Ion Ratio Lower Upper

198 100

51 80.3 21.1 61.1#

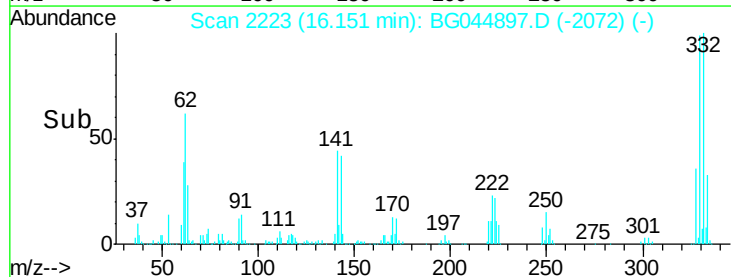
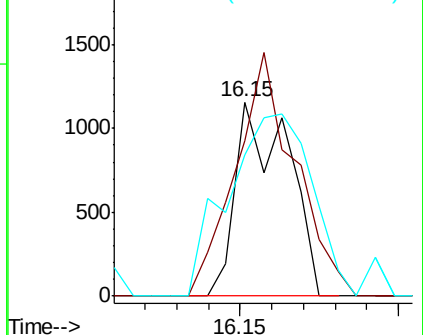
105 72.9 24.5 64.5#

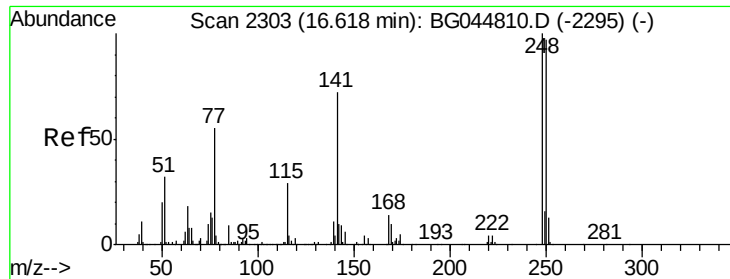


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

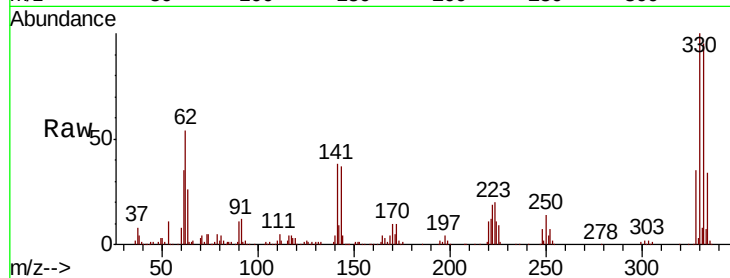




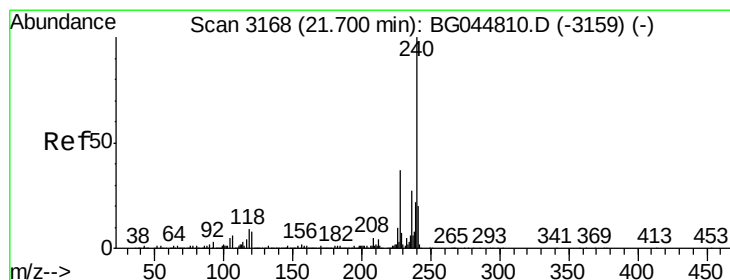
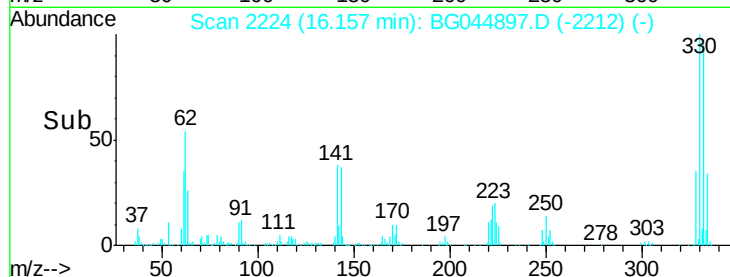
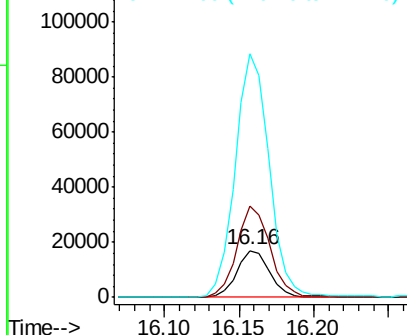
#67
4-Bromophenyl-phenylether
Concen: 4.608 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.46 min
Lab File: BG044897.D
Acq: 19 Mar 2020 14:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 26041
Ion Ratio Lower Upper
248 100
250 193.3 77.9 116.9#
141 517.7 57.5 86.3#

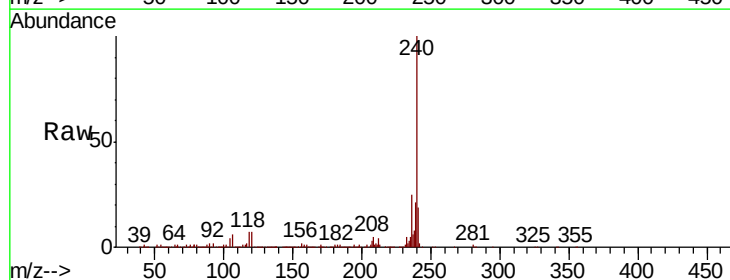


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

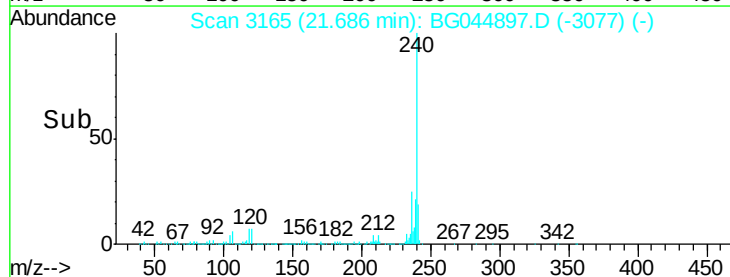
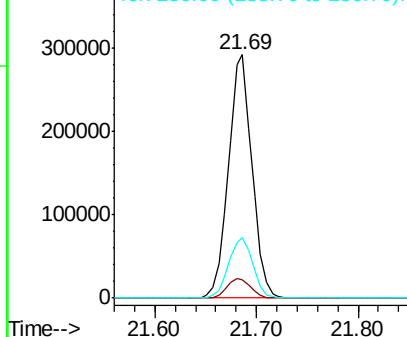


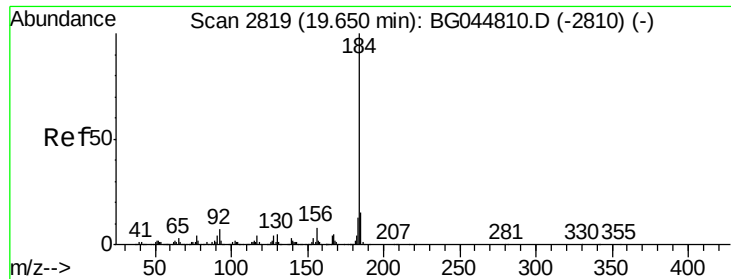
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG044897.D
Acq: 19 Mar 2020 14:18

Tgt Ion:240 Resp: 467863
Ion Ratio Lower Upper
240 100
120 7.4 6.7 10.1
236 25.1 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





#77

Benzidine

Concen: 2.846 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG044897.D

Acq: 19 Mar 2020 14:18

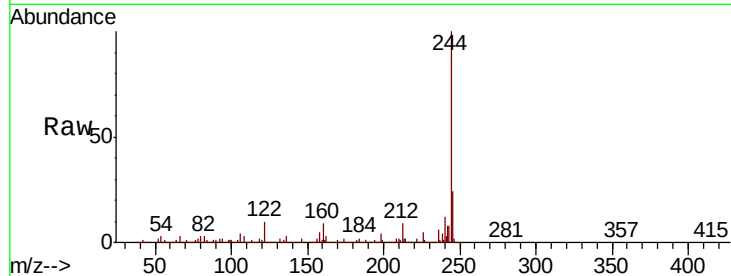
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 43228

Ion	Ratio	Lower	Upper
184	100		
185	18.1	12.2	18.4
183	7.7	10.7	16.1

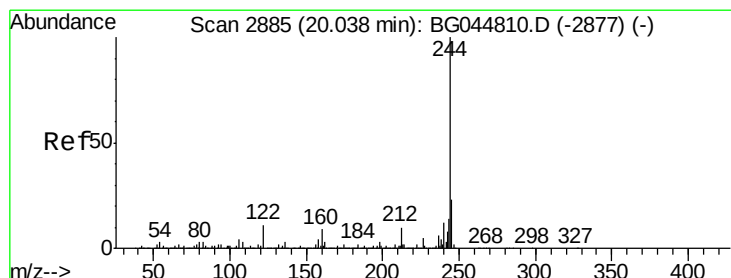
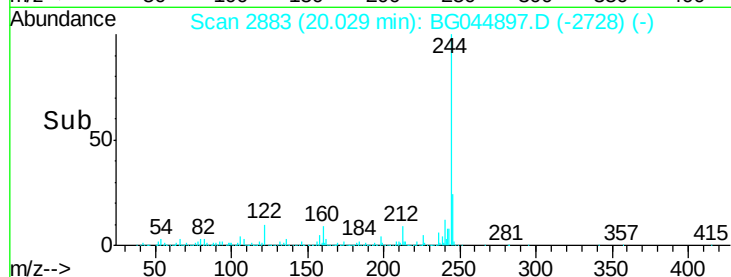
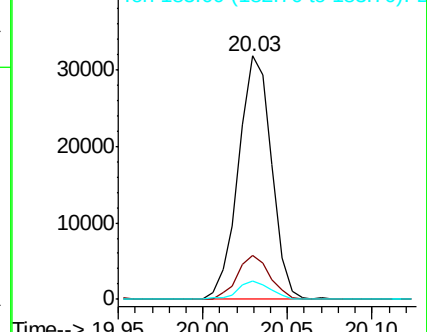


Abundance

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: 87.328 ng

RT: 20.03 min Scan# 2883

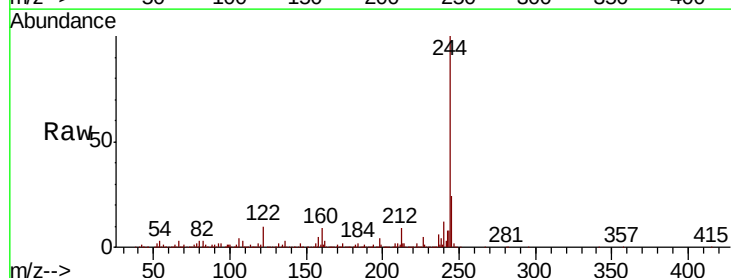
Delta R.T. -0.01 min

Lab File: BG044897.D

Acq: 19 Mar 2020 14:18

Tgt Ion:244 Resp: 2184254

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.7	11.5
122	9.7	8.6	12.8

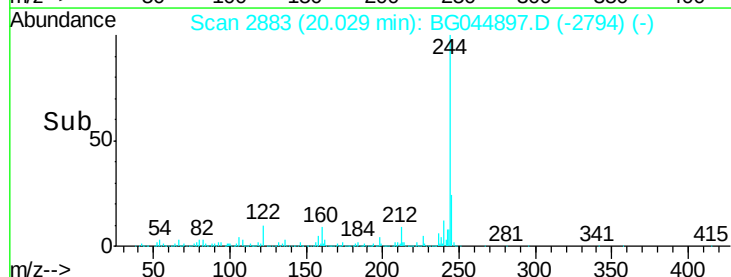
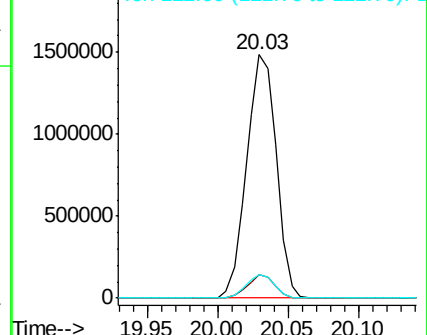


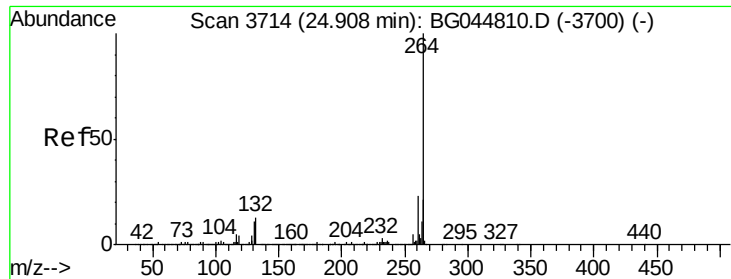
Abundance

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: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044897.D
Acq: 19 Mar 2020 14:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.1	27.1
265	22.1	17.1	25.7

