

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044838.D
 Acq On : 17 Mar 2020 18:31
 Operator : CG/JU
 Sample : PB127438BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:45:06 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

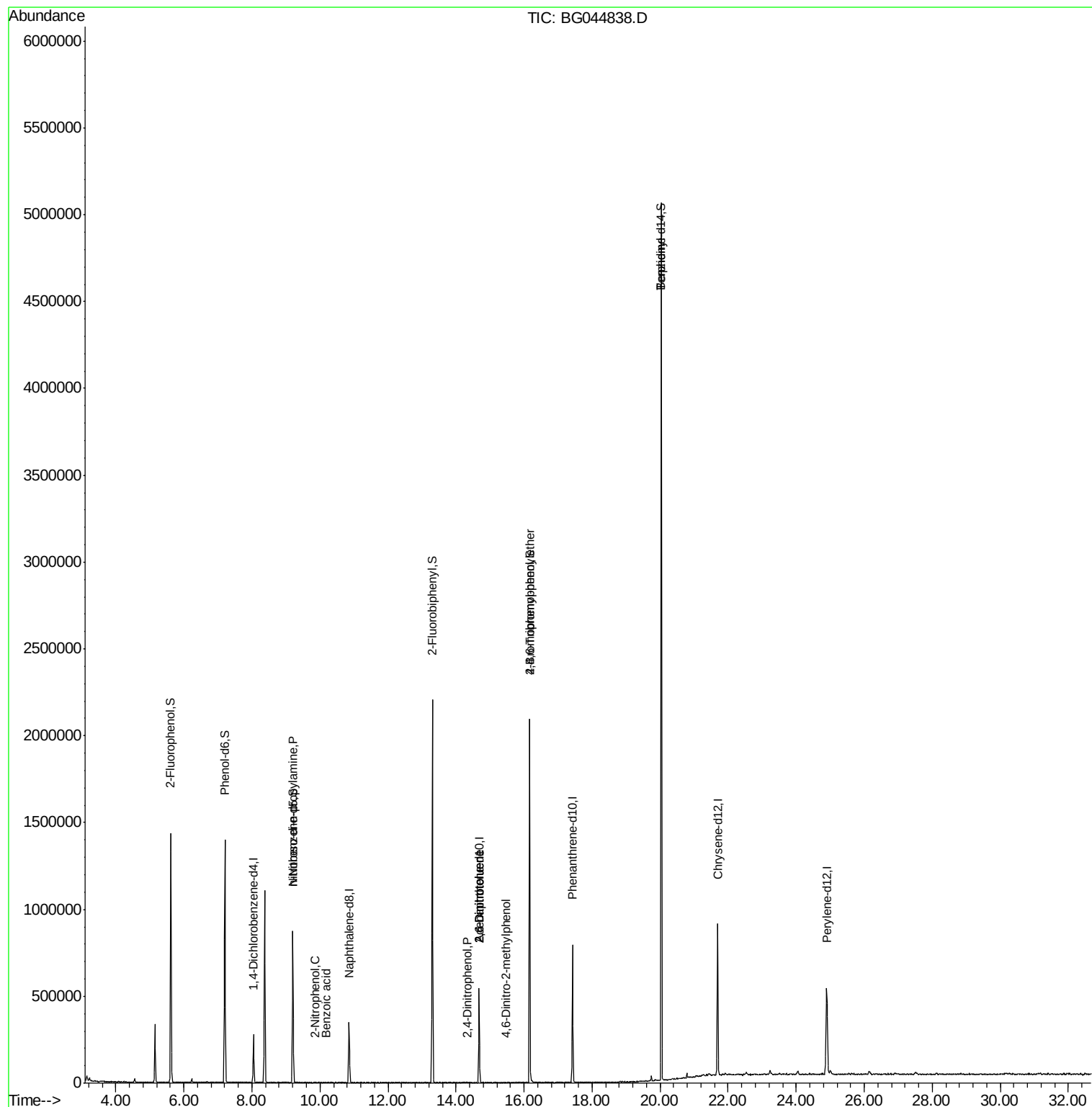
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	80400	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	297755	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	202327	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	508965	20.00	ng	0.00
76) Chrysene-d12	21.69	240	496948	20.00	ng	0.00
87) Perylene-d12	24.90	264	547076	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	624888	120.99	ng	0.00
7) Phenol-d6	7.20	99	861346	114.78	ng	0.00
23) Nitrobenzene-d5	9.20	82	561829	82.80	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	401598	151.59	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1186491	83.98	ng	0.00
79) Terphenyl-d14	20.03	244	2319592	87.31	ng	0.00
Target Compounds						
9) Benzaldehyde	7.14	77	53	Below Cal	Qvalue	# 13
19) n-Nitroso-di-n-propylamine	9.20	70	75132	14.179 ng	#	75
26) 2-Nitrophenol	9.85	139	75	5.542 ng	#	28
32) Benzoic acid	10.19	122	73	9.687 ng	#	1
51) 2,6-Dinitrotoluene	14.68	165	27583	8.492 ng	#	21
54) 2,4-Dinitrophenol	14.33	184	74	8.362 ng	#	21
57) 2,4-Dinitrotoluene	14.68	165	27583	6.192 ng	#	21
65) 4,6-Dinitro-2-methylphenol	15.46	198	61	7.750 ng	#	33
67) 4-Bromophenyl-phenylether	16.16	248	28044	4.408 ng	#	1
77) Benzidine	20.03	184	43904	2.721 ng	#	84

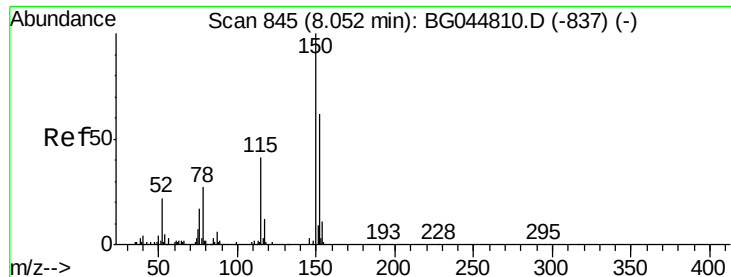
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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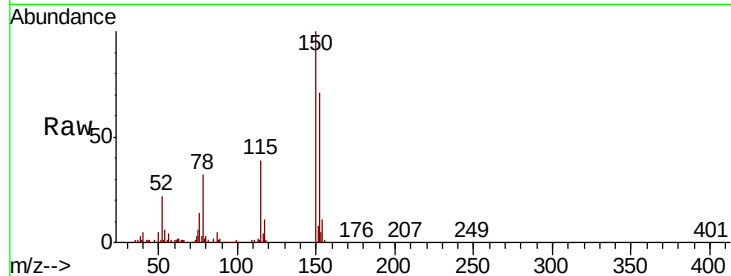


#1

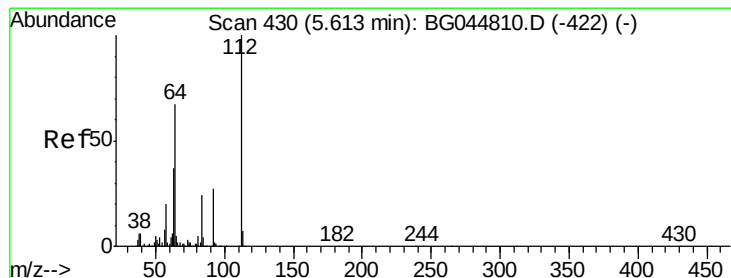
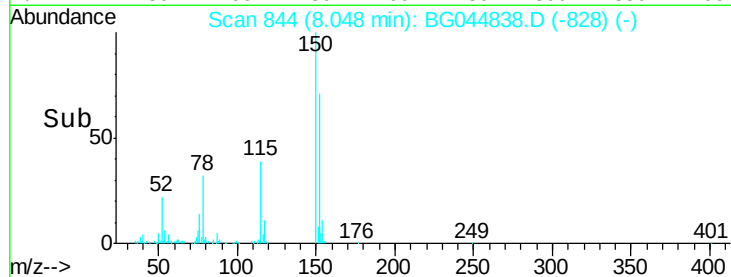
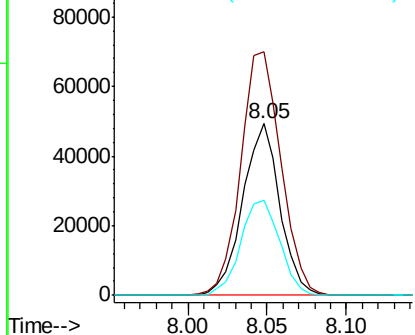
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG044838.D
Acq: 17 Mar 2020 18:31

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.7	128.8	193.2
115	55.4	52.6	79.0



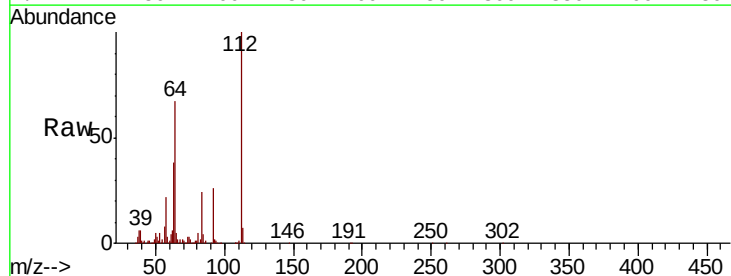
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



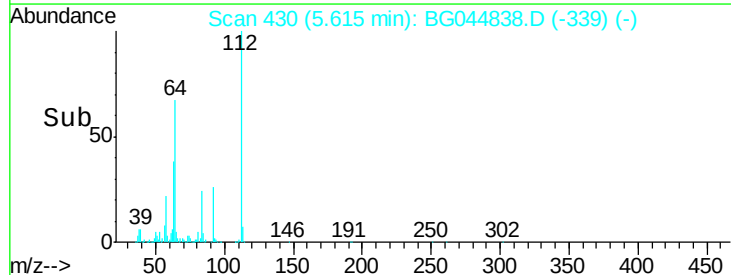
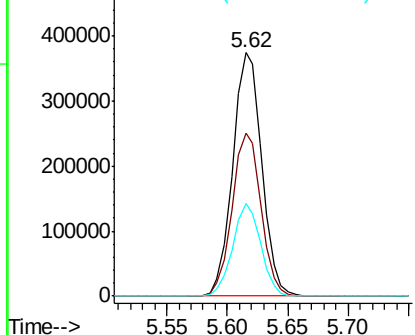
#5

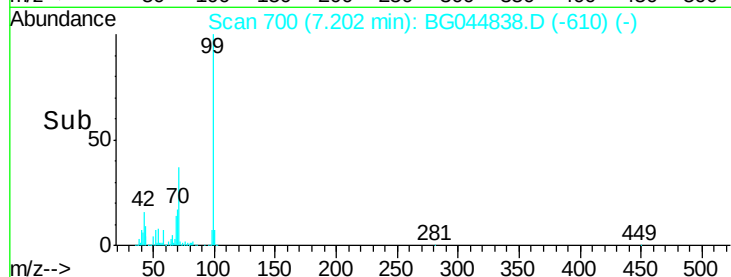
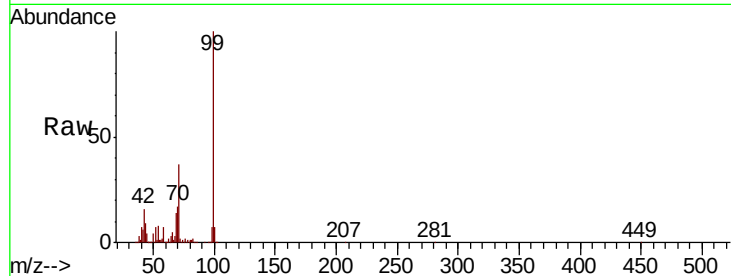
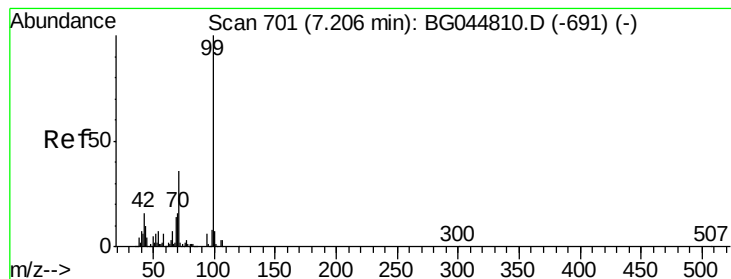
2-Fluorophenol
Concen: 120.990 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044838.D
Acq: 17 Mar 2020 18:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	53.4	80.2
63	38.2	29.4	44.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 114.784 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044838.D

Acq: 17 Mar 2020 18:31

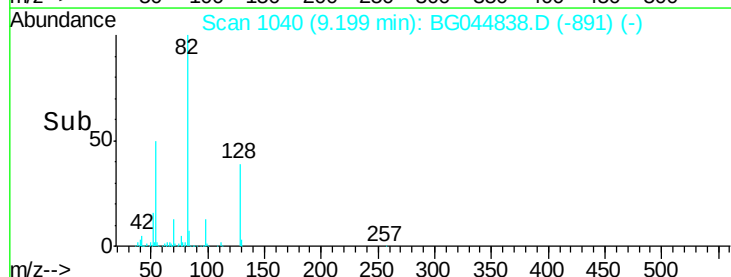
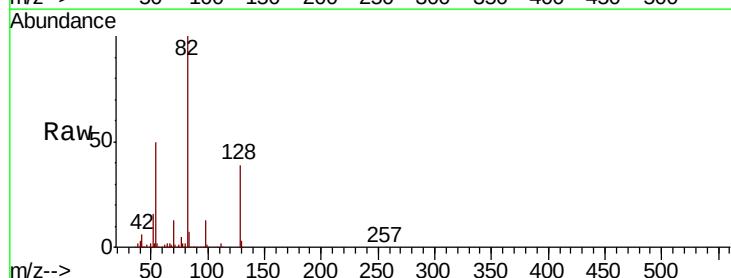
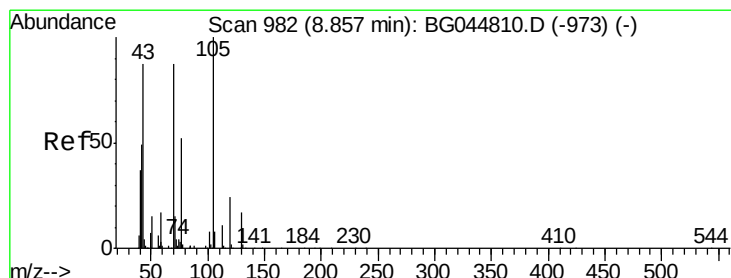
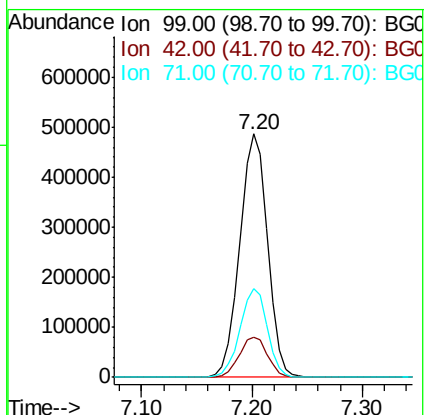
Tot Ion: 99 Resp: 861346

Ion Ratio Lower Upper

99 100

42 16.5 12.6 19.0

71 36.6 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.179 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044838.D

Acq: 17 Mar 2020 18:31

Tgt Ion: 70 Resp: 75132

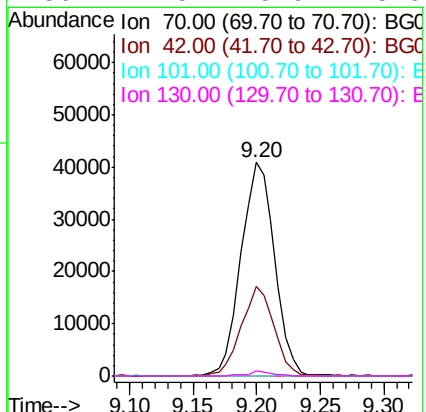
Ion Ratio Lower Upper

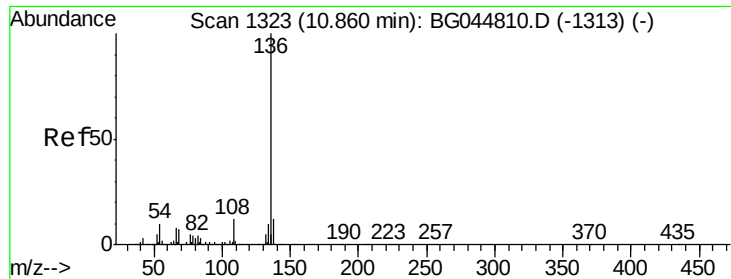
70 100

42 42.1 45.7 68.5#

101 0.0 7.4 11.2#

130 2.5 15.9 23.9#

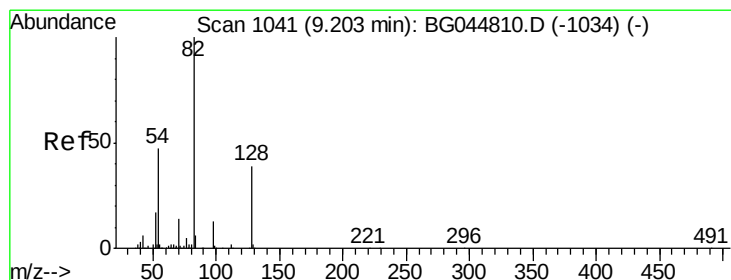
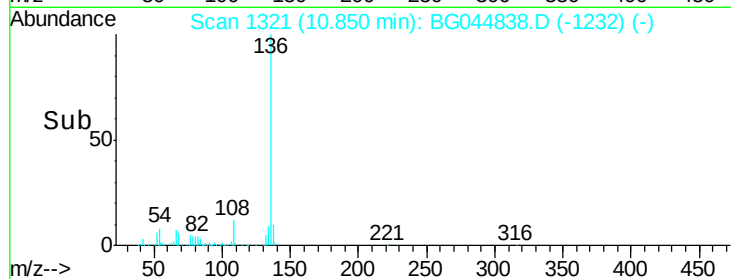
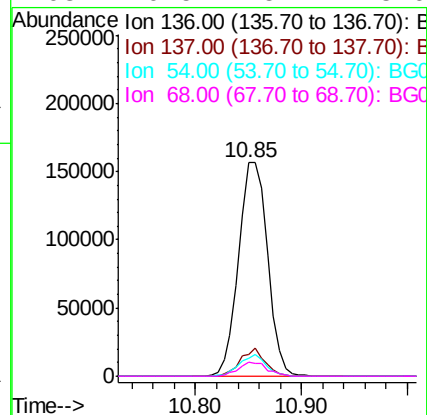
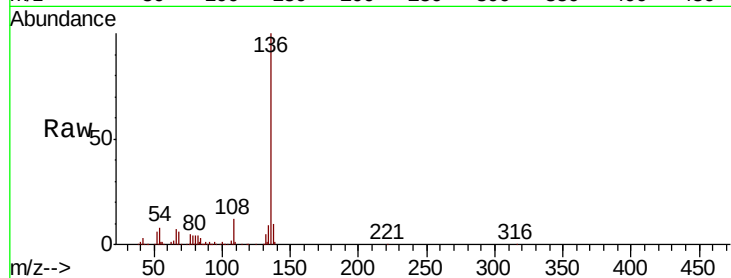




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044838.D
Acq: 17 Mar 2020 18:31

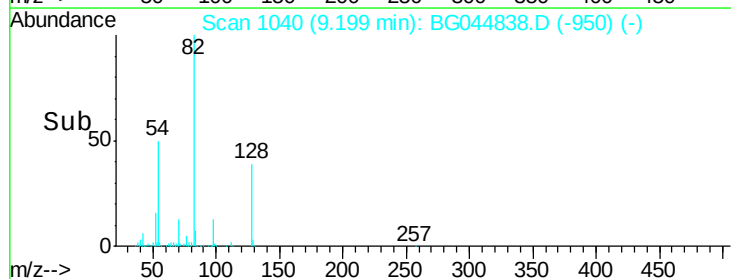
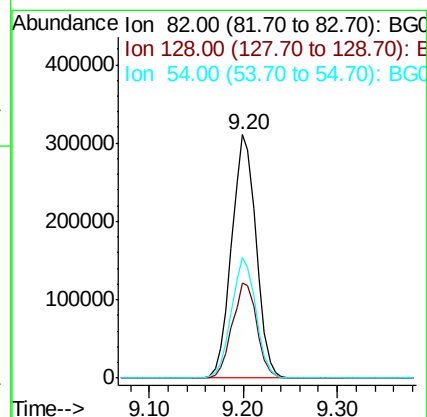
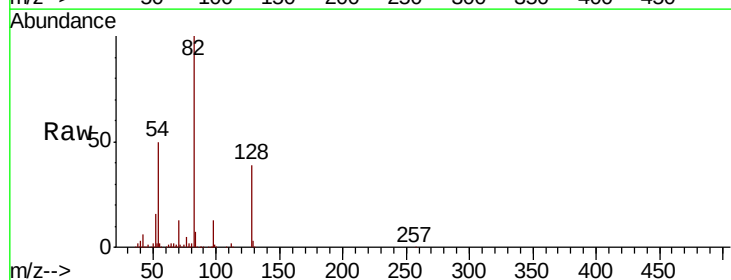
Instrument :
BNA_N
ClientSampleId :

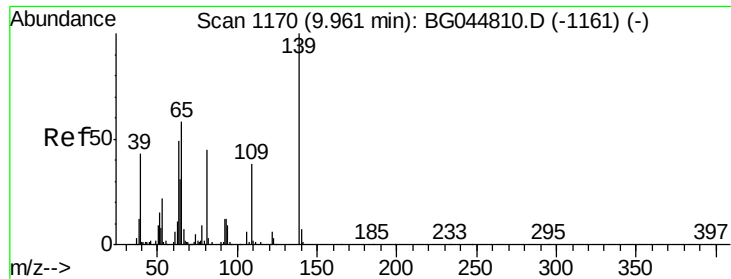
Tot Ion:136	Resp:	297755
Ion Ratio	Lower	Upper
136	100	
137	10.3	9.8 14.6
54	8.5	7.9 11.9
68	6.5	5.4 8.0



#23
Nitrobenzene-d5
Concen: 82.799 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044838.D
Acq: 17 Mar 2020 18:31

Tgt Ion: 82	Resp:	561829
Ion Ratio	Lower	Upper
82	100	
128	39.3	30.6 46.0
54	49.6	37.1 55.7

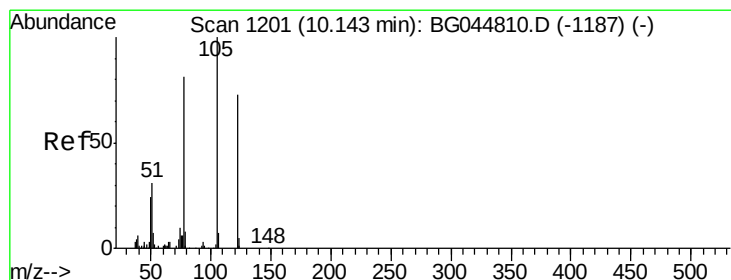
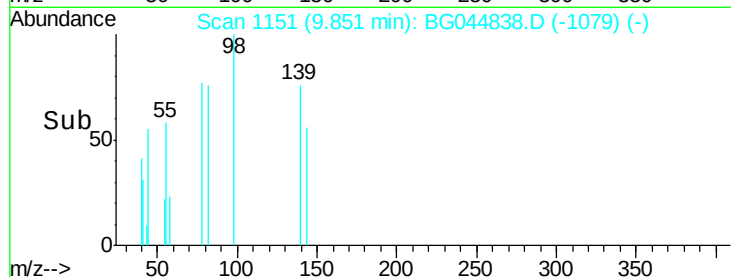
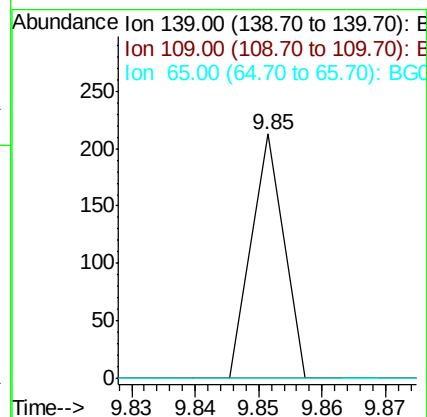
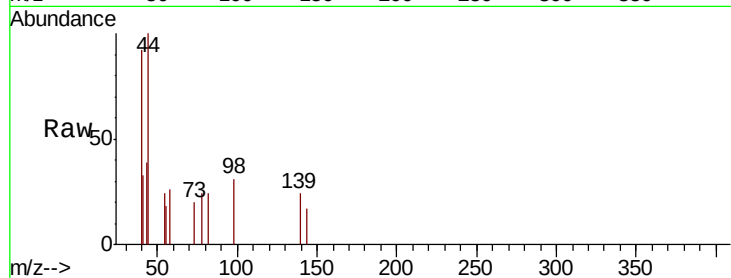




#26
2-Nitrophenol
Concen: 5.542 ng
RT: 9.85 min Scan# 1151
Delta R.T. -0.11 min
Lab File: BG044838.D
Acq: 17 Mar 2020 18:31

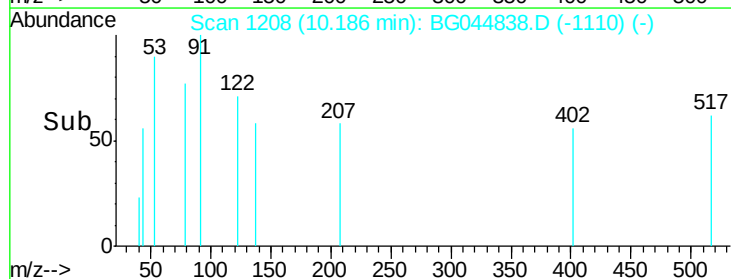
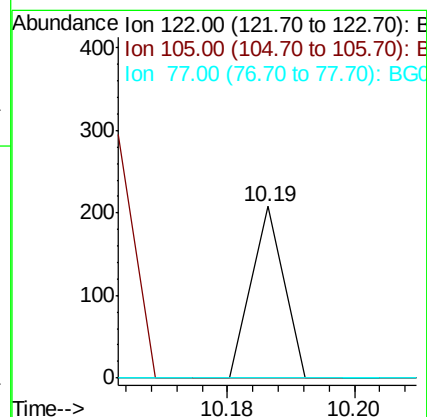
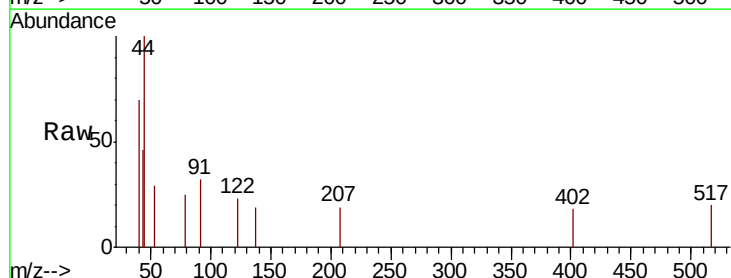
Instrument :
BNA_N
ClientSampled :

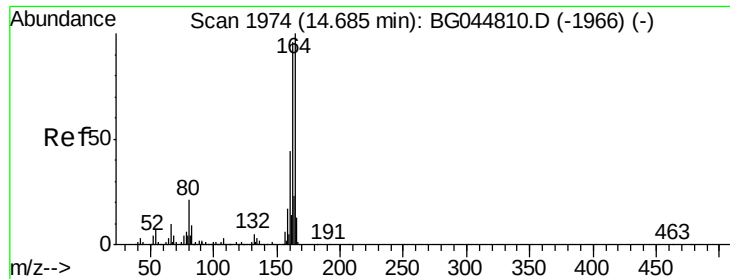
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.687 ng
RT: 10.19 min Scan# 1208
Delta R.T. 0.04 min
Lab File: BG044838.D
Acq: 17 Mar 2020 18:31

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044838.D

Acq: 17 Mar 2020 18:31

Instrument :

BNA_N

ClientSampleId :

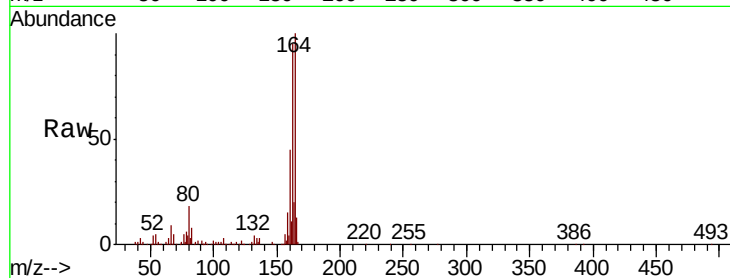
Tot Ion:164 Resp: 202327

Ion Ratio Lower Upper

164 100

162 94.7 76.7 115.1

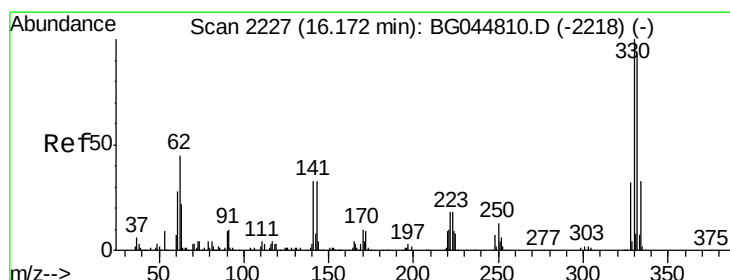
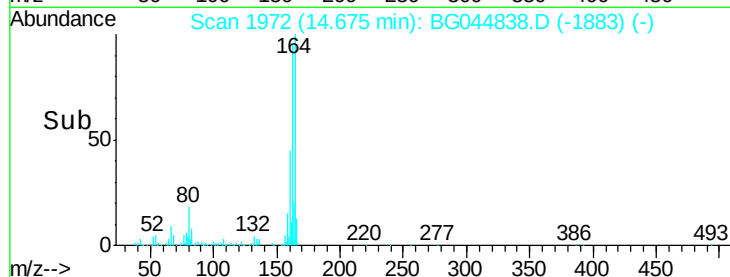
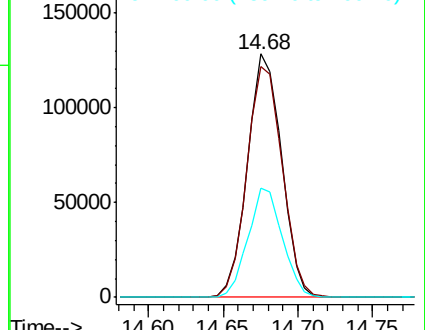
160 44.7 35.0 52.4



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: 151.594 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044838.D

Acq: 17 Mar 2020 18:31

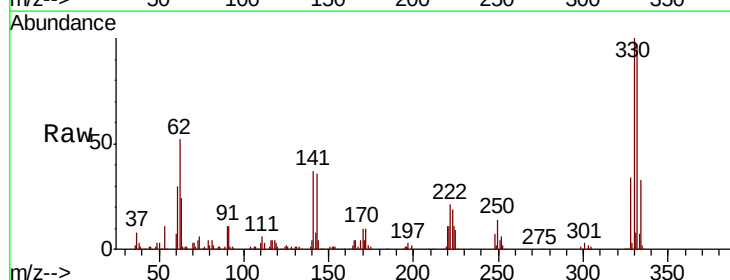
Tgt Ion:330 Resp: 401598

Ion Ratio Lower Upper

330 100

332 98.3 77.8 116.6

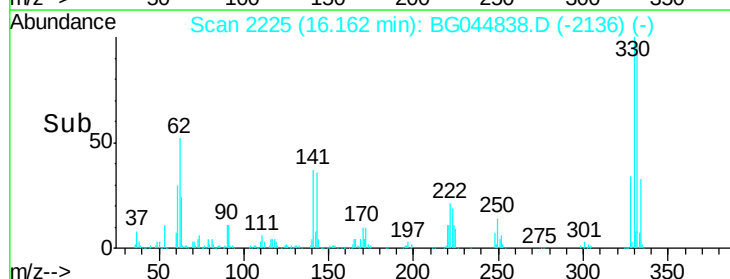
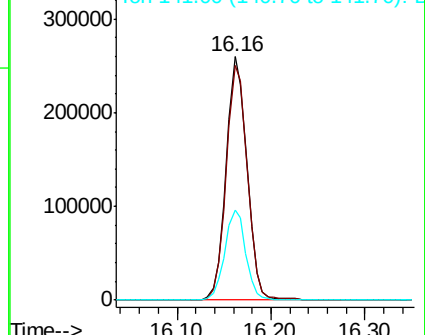
141 37.2 29.5 44.3

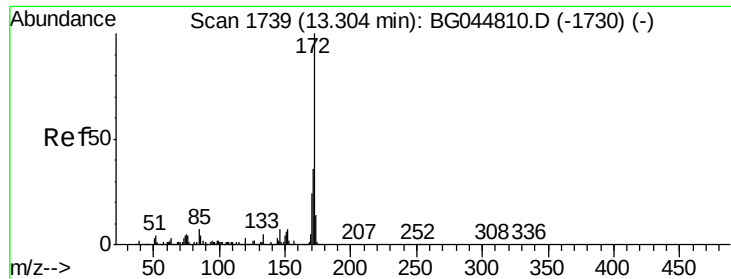


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

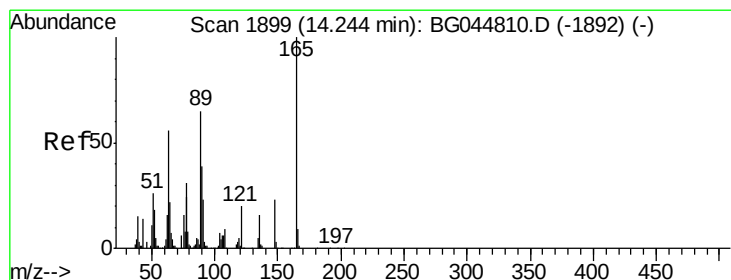
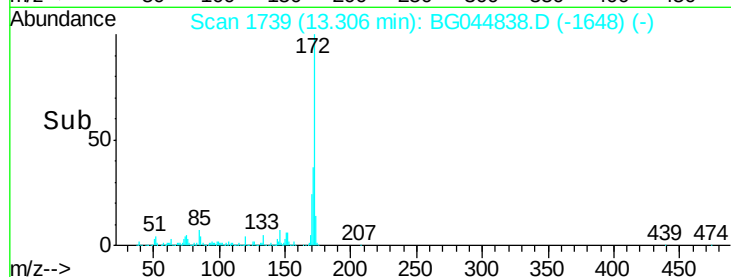
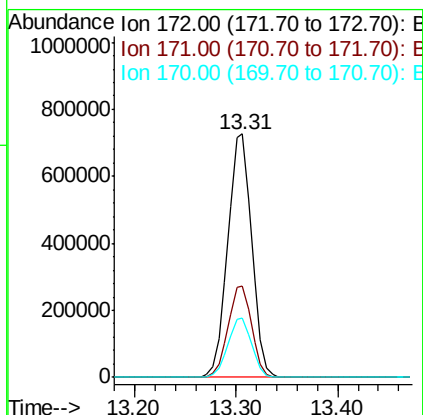
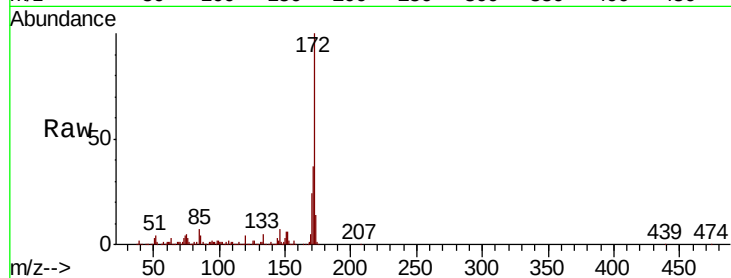




#45
2-Fluorobiphenyl
Concen: 83.978 ng
RT: 13.31 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044838.D
Acq: 17 Mar 2020 18:31

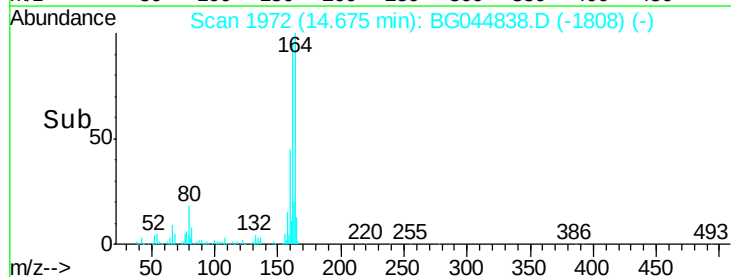
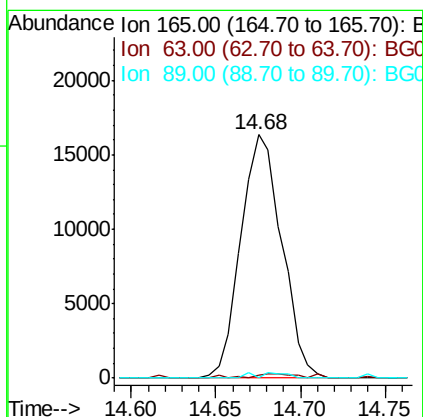
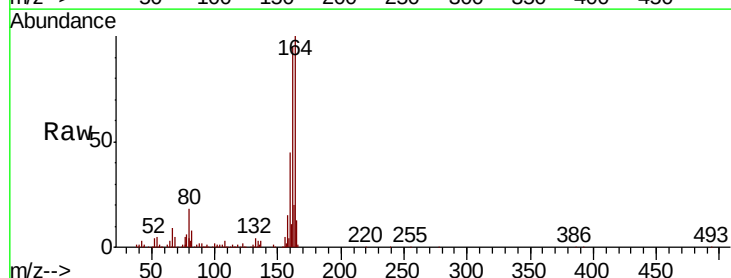
Instrument :
BNA_N
ClientSampleId :

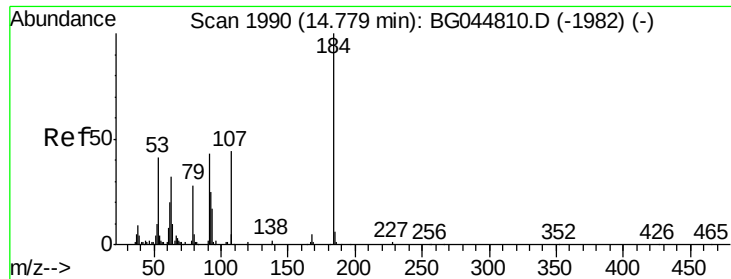
Tot Ion:172 Resp: 1186491
Ion Ratio Lower Upper
172 100
171 37.4 28.7 43.1
170 24.1 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.492 ng
RT: 14.68 min Scan# 1972
Delta R.T. 0.43 min
Lab File: BG044838.D
Acq: 17 Mar 2020 18:31

Tgt Ion:165 Resp: 27583
Ion Ratio Lower Upper
165 100
63 1.0 45.8 68.8#
89 0.0 51.8 77.6#

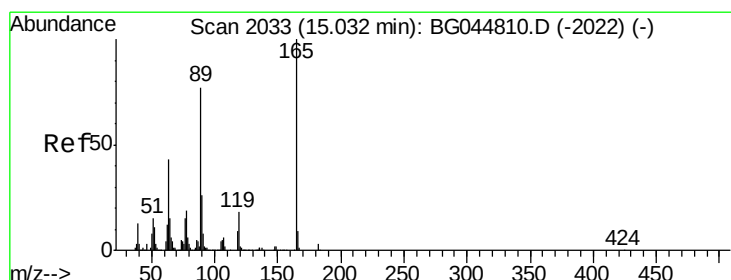
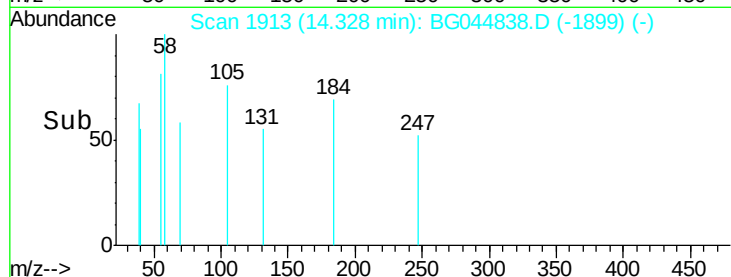
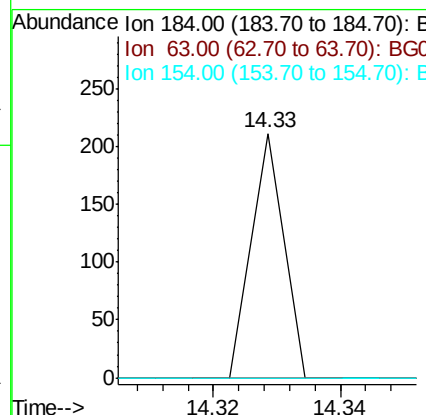
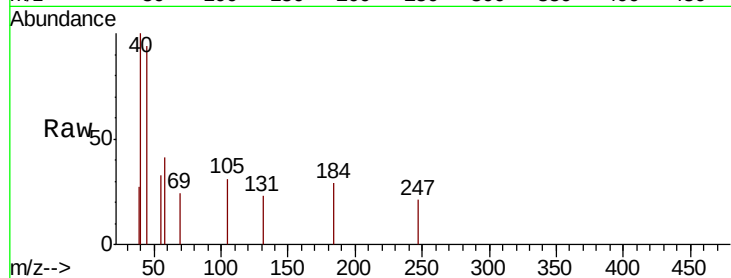




#54
2,4-Dinitrophenol
Concen: 8.362 ng
RT: 14.33 min Scan# 1913
Delta R.T. -0.45 min
Lab File: BG044838.D
Acq: 17 Mar 2020 18:31

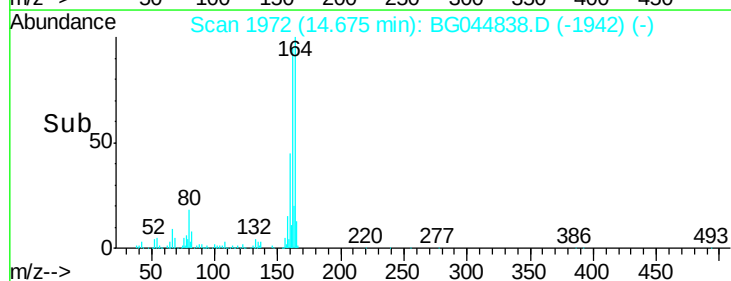
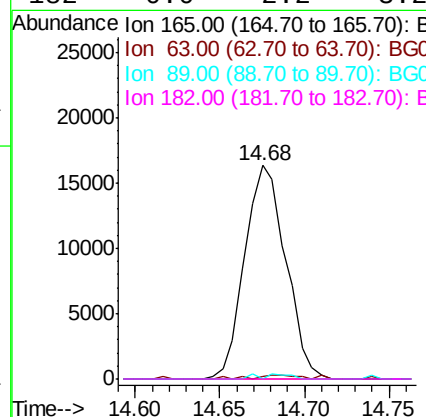
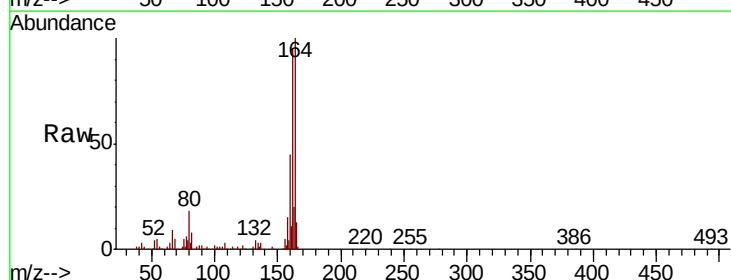
Instrument :
BNA_N
ClientSampled :

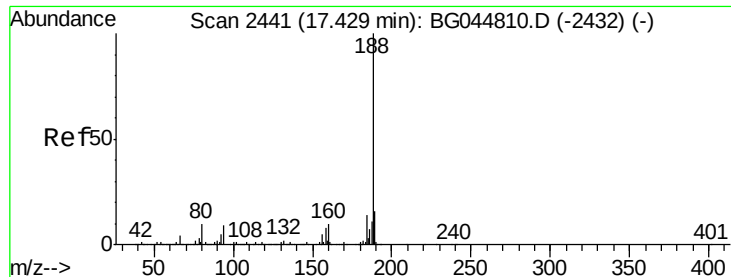
Tot Ion:184 Resp: 74
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 6.192 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044838.D
Acq: 17 Mar 2020 18:31

Tgt Ion:165 Resp: 27583
Ion Ratio Lower Upper
165 100
63 1.0 34.6 52.0#
89 0.0 61.3 91.9#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG044838.D

Acq: 17 Mar 2020 18:31

Instrument :

BNA_N

ClientSampleId :

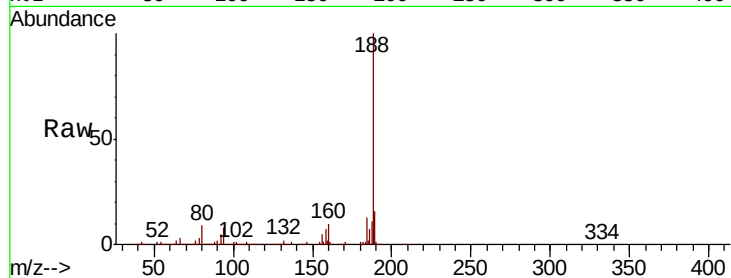
Tot Ion:188 Resp: 508965

Ion Ratio Lower Upper

188 100

94 7.7 7.3 10.9

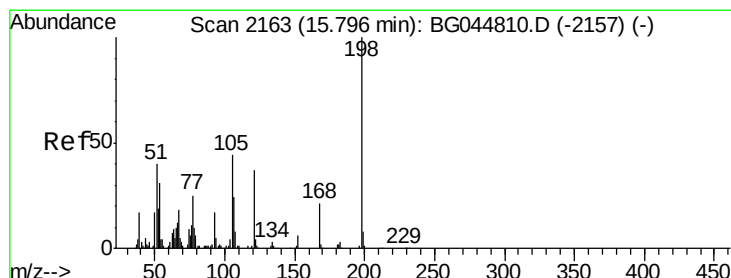
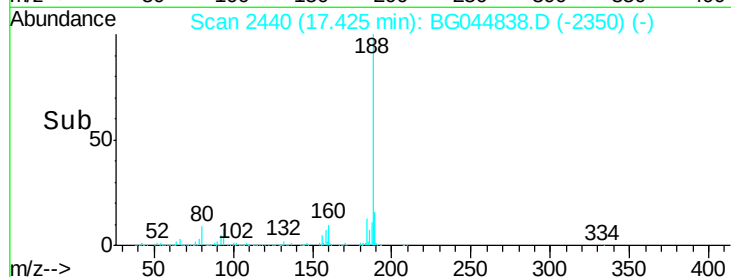
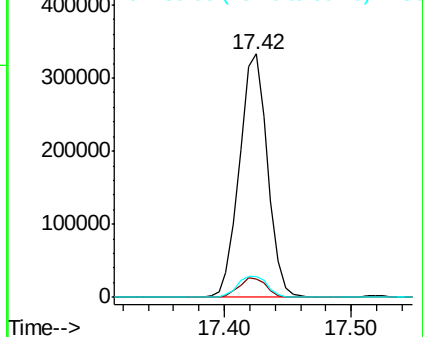
80 8.8 8.0 12.0



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: 7.750 ng

RT: 15.46 min Scan# 2106

Delta R.T. -0.33 min

Lab File: BG044838.D

Acq: 17 Mar 2020 18:31

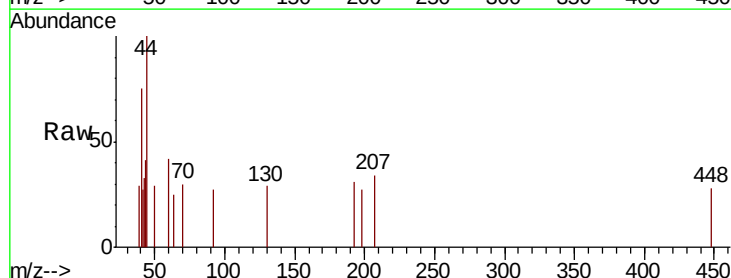
Tgt Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

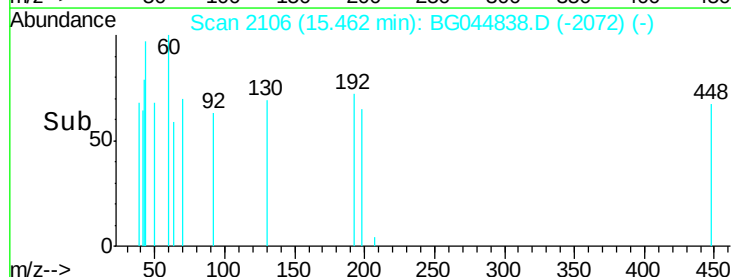
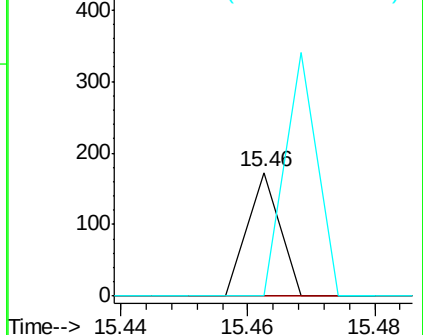
105 0.0 24.5 64.5#

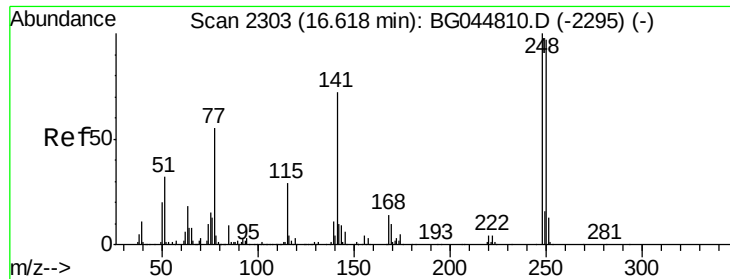


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

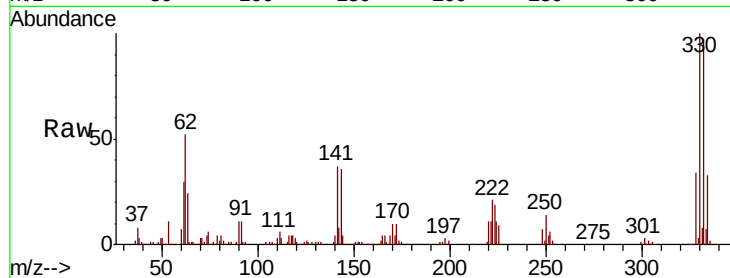




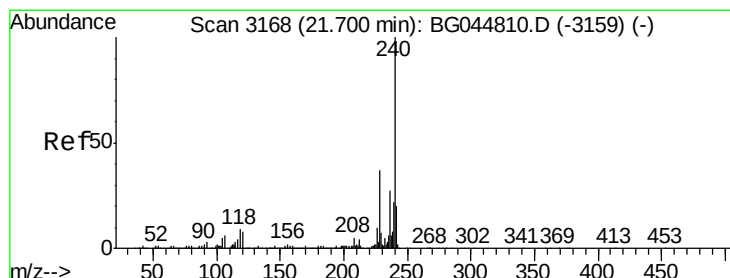
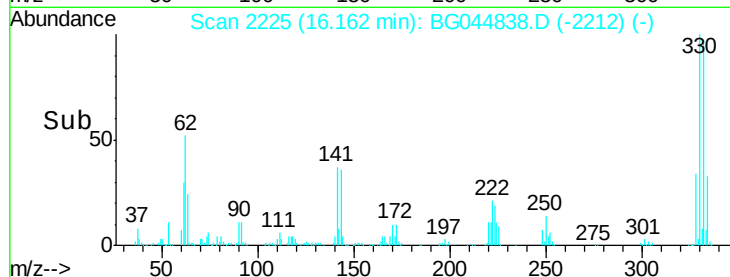
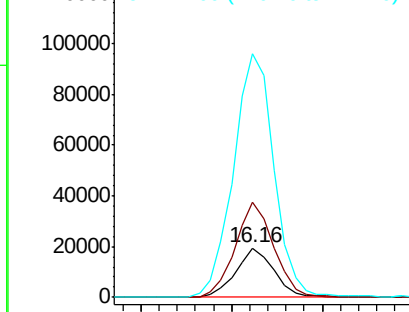
#67
 4-Bromophenyl-phenylether
 Concen: 4.408 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044838.D
 Acq: 17 Mar 2020 18:31

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:248 Resp: 28044
 Ion Ratio Lower Upper
 248 100
 250 192.9 77.9 116.9#
 141 496.6 57.5 86.3#

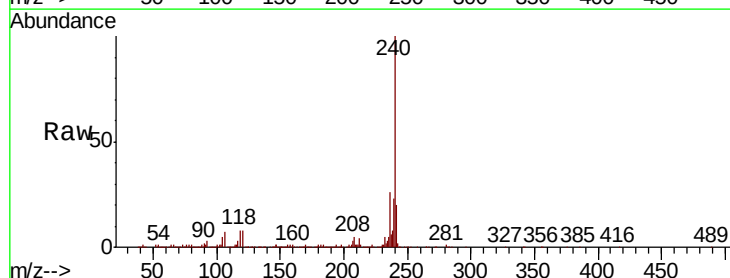


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

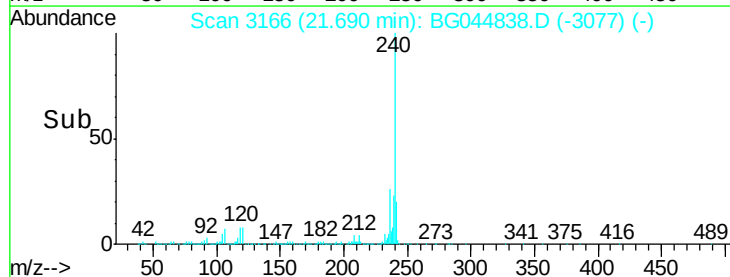
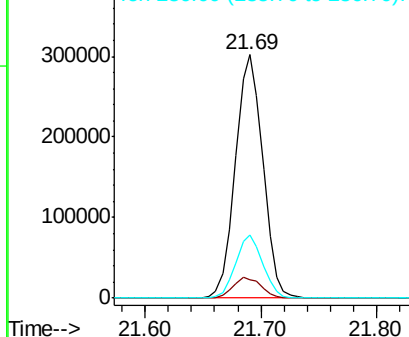


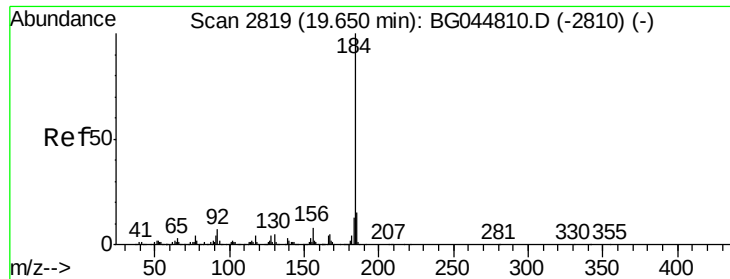
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG044838.D
 Acq: 17 Mar 2020 18:31

Tgt Ion:240 Resp: 496948
 Ion Ratio Lower Upper
 240 100
 120 7.5 6.7 10.1
 236 26.1 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: 2.721 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044838.D

Acq: 17 Mar 2020 18:31

Instrument :

BNA_N

ClientSampleId :

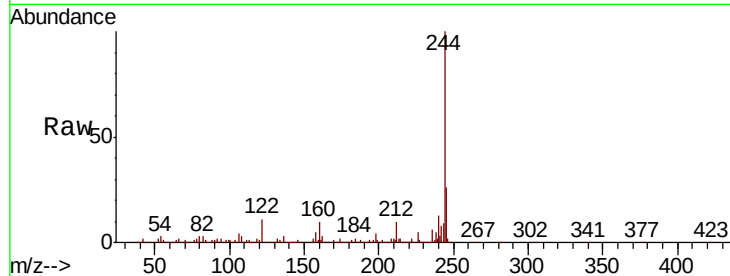
Tot Ion:184 Resp: 43904

Ion Ratio Lower Upper

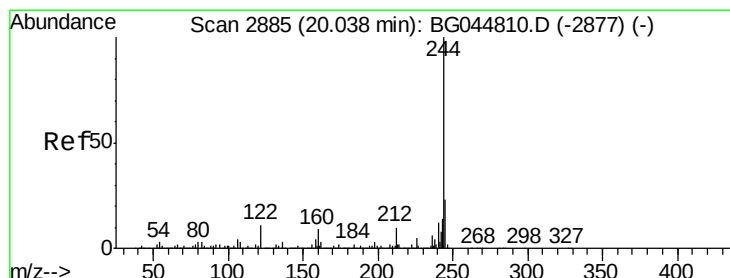
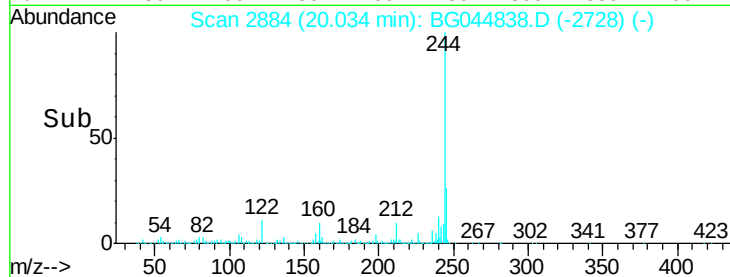
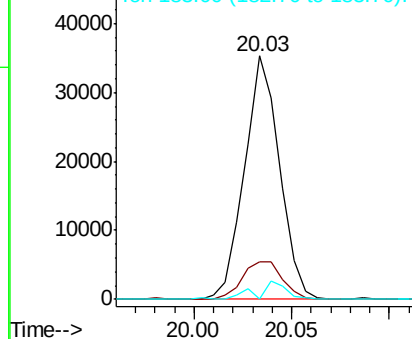
184 100

185 15.4 12.2 18.4

183 0.0 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: 87.311 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044838.D

Acq: 17 Mar 2020 18:31

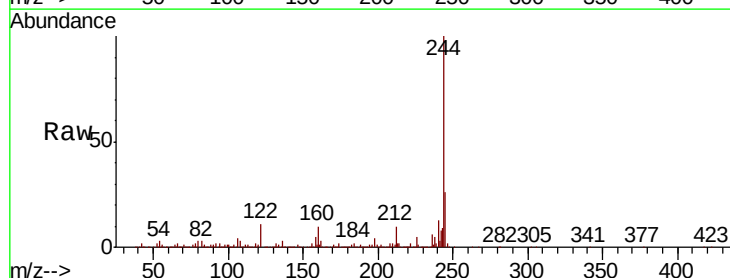
Tgt Ion:244 Resp: 2319592

Ion Ratio Lower Upper

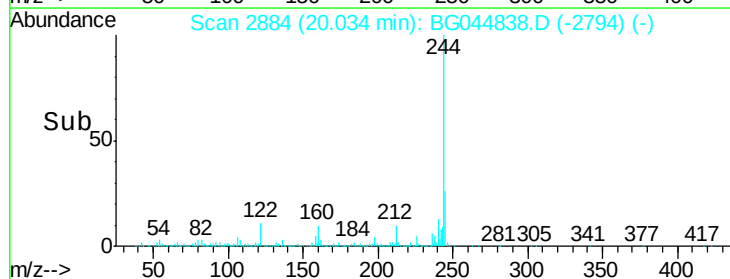
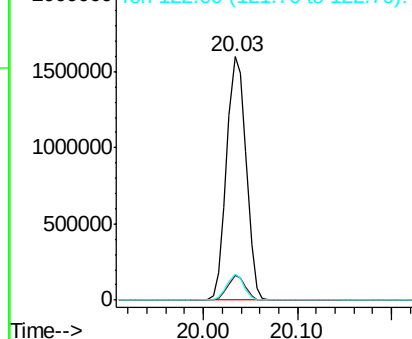
244 100

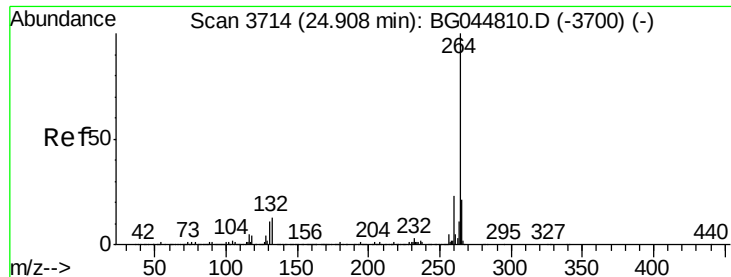
212 10.1 7.7 11.5

122 10.7 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: 24.90 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG044838.D
Acq: 17 Mar 2020 18:31

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.1	27.1
265	21.8	17.1	25.7

