

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044837.D
 Acq On : 17 Mar 2020 17:52
 Operator : CG/JU
 Sample : PB127518BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:44:56 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	78452	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	306174	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	210228	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	535355	20.00	ng	0.00
76) Chrysene-d12	21.69	240	510374	20.00	ng	-0.01
87) Perylene-d12	24.90	264	567219	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	644634	127.91	ng	0.00
7) Phenol-d6	7.20	99	884515	120.80	ng	0.00
23) Nitrobenzene-d5	9.20	82	579173	83.01	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	423015	153.68	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1245148	84.82	ng	0.00
79) Terphenyl-d14	20.04	244	2321233	85.07	ng	0.00

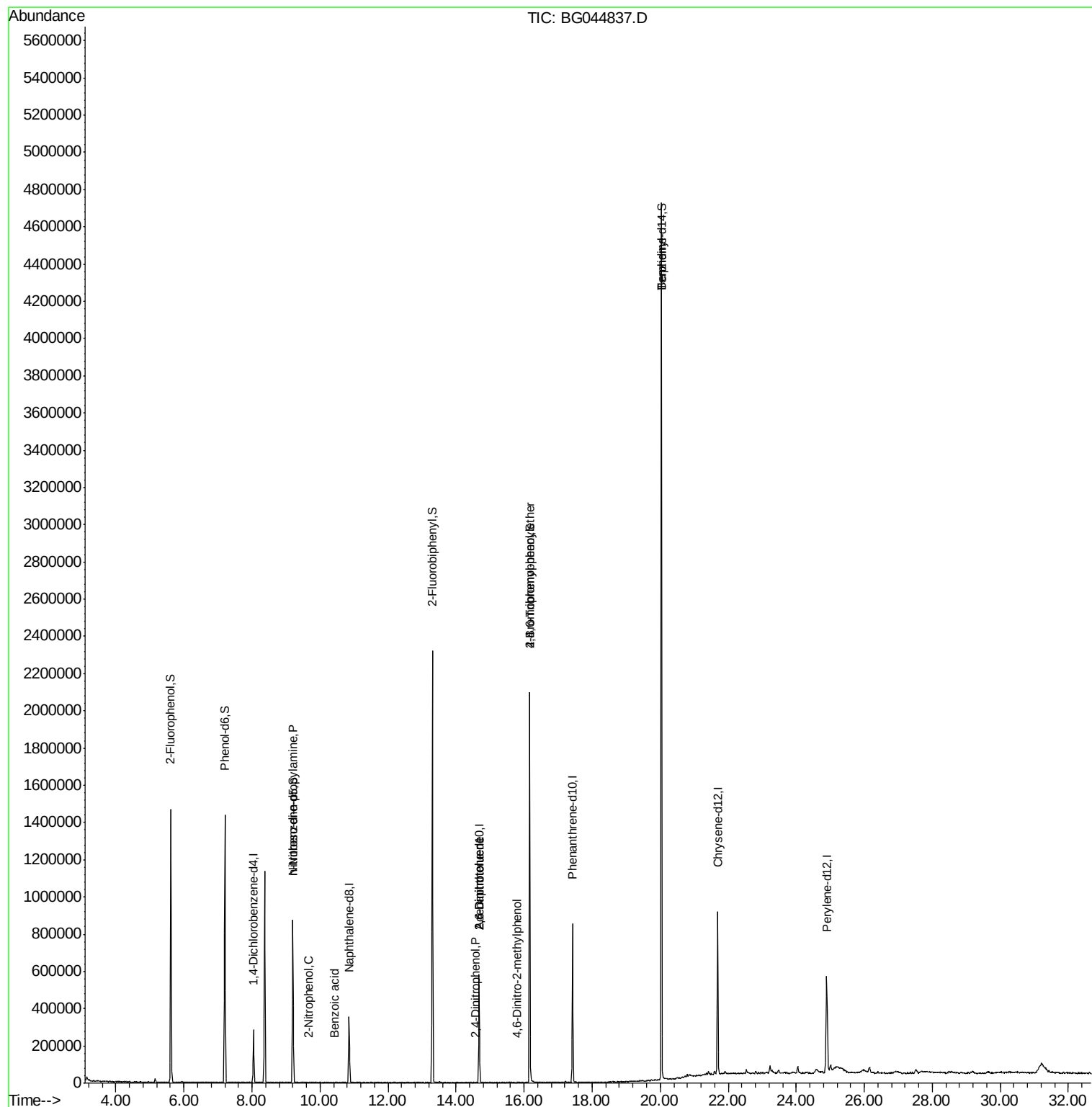
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1879	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.20	70	75694	14.640	ng	# 73
26) 2-Nitrophenol	9.68	139	74	5.541	ng	# 28
32) Benzoic acid	10.42	122	71	9.686	ng	# 1
51) 2,6-Dinitrotoluene	14.68	165	29346	8.695	ng	# 21
54) 2,4-Dinitrophenol	14.59	184	56	8.351	ng	# 25
57) 2,4-Dinitrotoluene	14.68	165	29346	6.340	ng	# 21
65) 4,6-Dinitro-2-methylphenol	15.81	198	53	7.746	ng	# 33
67) 4-Bromophenyl-phenylether	16.17	248	29222	4.366	ng	# 1
77) Benzidine	20.04	184	45801	2.764	ng	# 92

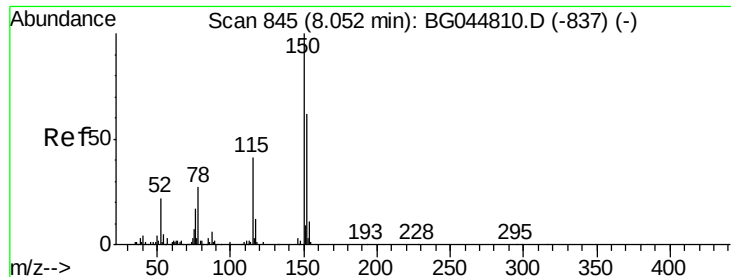
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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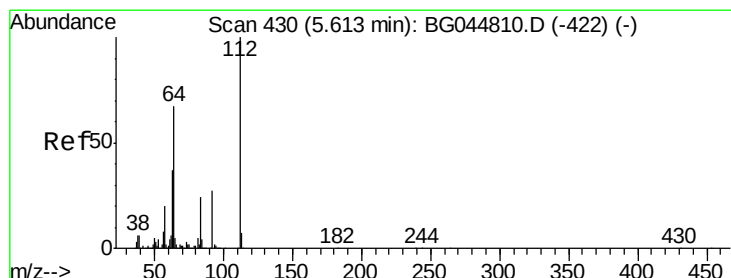
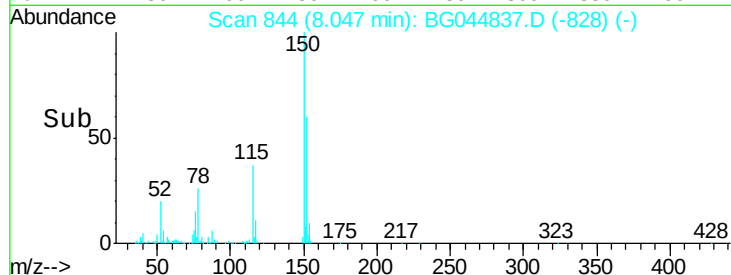
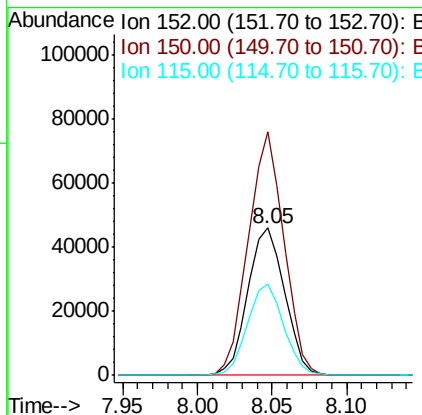
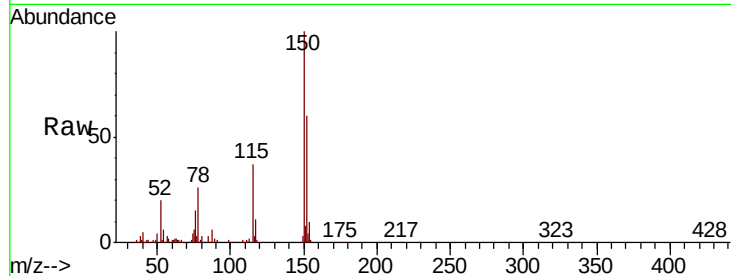


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

Instrument :
BNA_N
ClientSampleId :

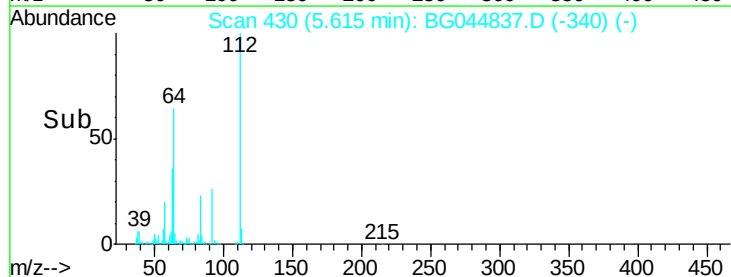
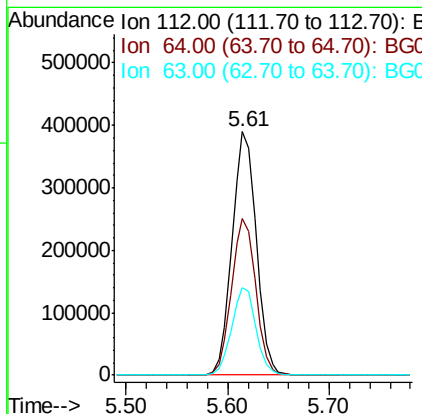
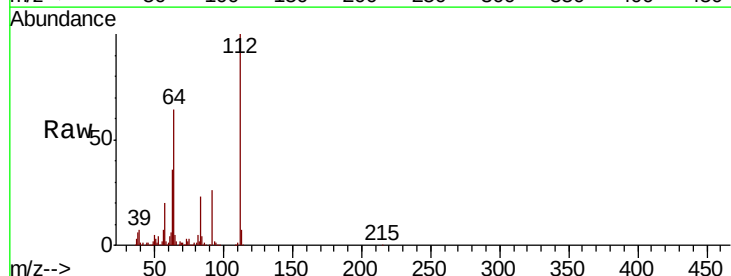
Tot Ion	Ratio	Lower	Upper
152	100		
150	165.5	128.8	193.2
115	62.0	52.6	79.0

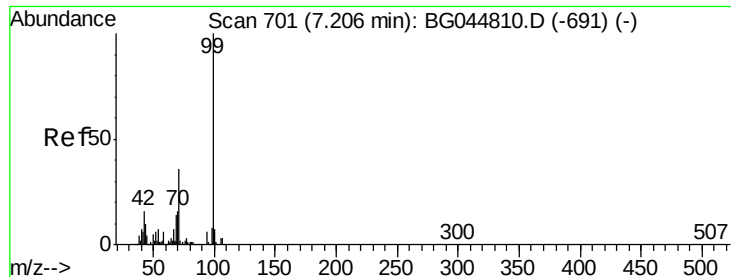


#5

2-Fluorophenol
Concen: 127.912 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	53.4	80.2
63	36.0	29.4	44.2





#7

Phenol-d6

Concen: 120.798 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044837.D

Acq: 17 Mar 2020 17:52

Instrument :

BNA_N

ClientSampleId :

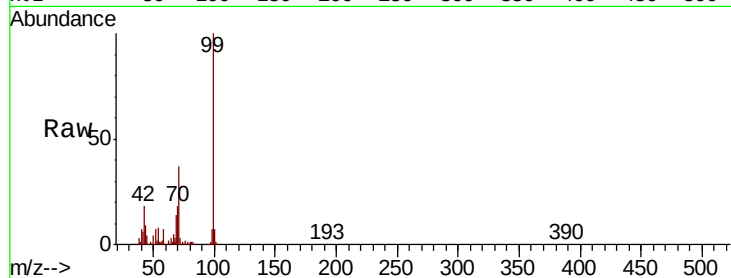
Tot Ion: 99 Resp: 884515

Ion Ratio Lower Upper

99 100

42 17.8 12.6 19.0

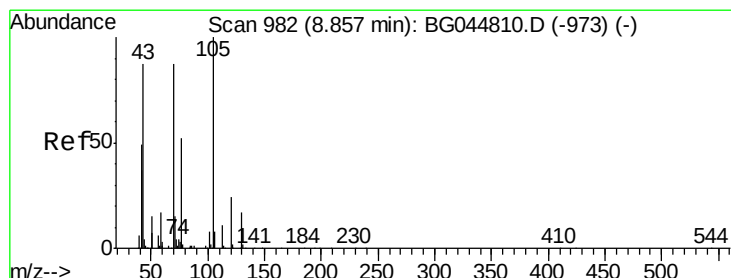
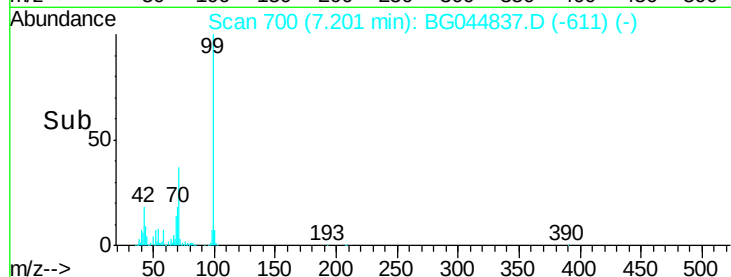
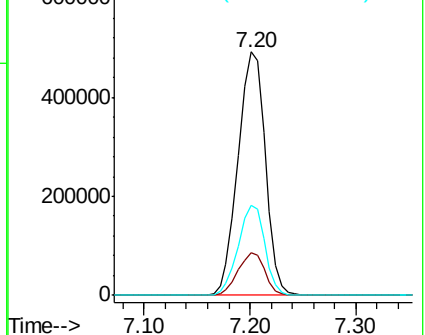
71 36.9 29.0 43.4



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: 14.640 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044837.D

Acq: 17 Mar 2020 17:52

Tgt Ion: 70 Resp: 75694

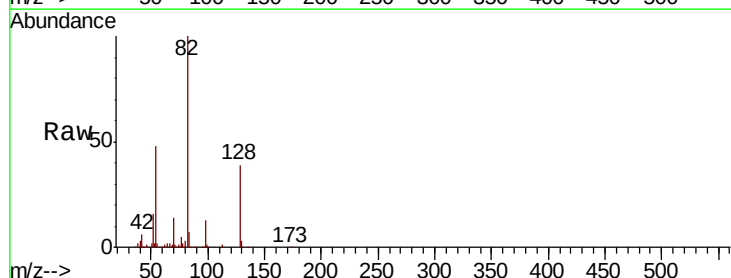
Ion Ratio Lower Upper

70 100

42 40.4 45.7 68.5#

101 0.0 7.4 11.2#

130 1.8 15.9 23.9#

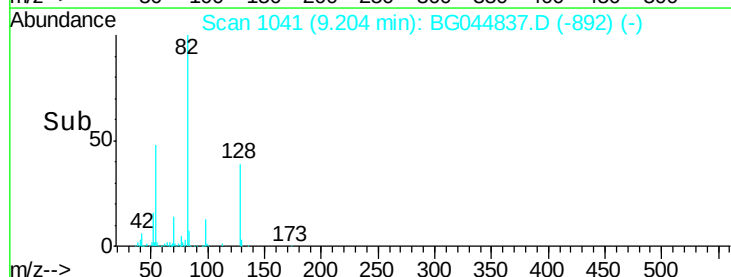
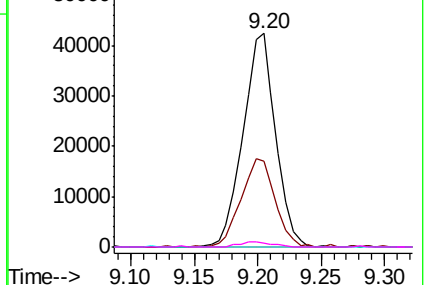


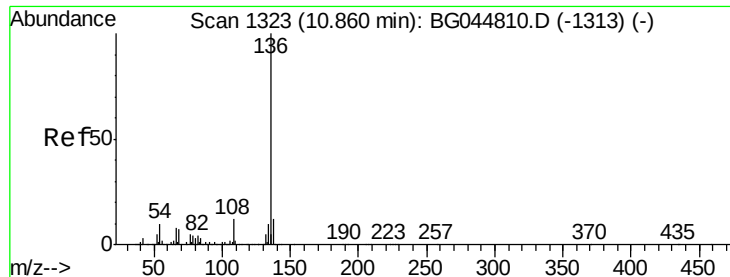
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

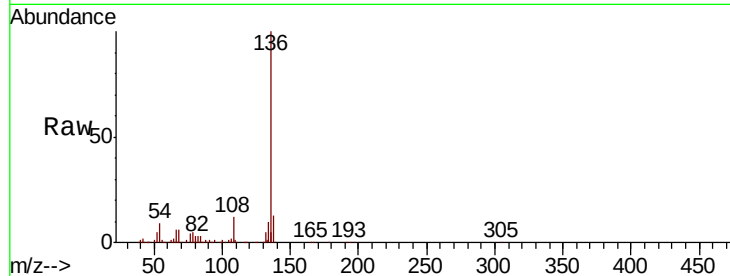




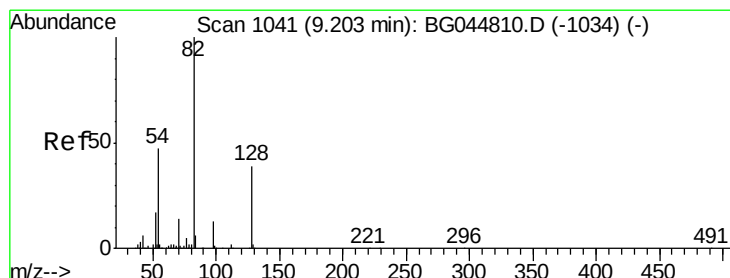
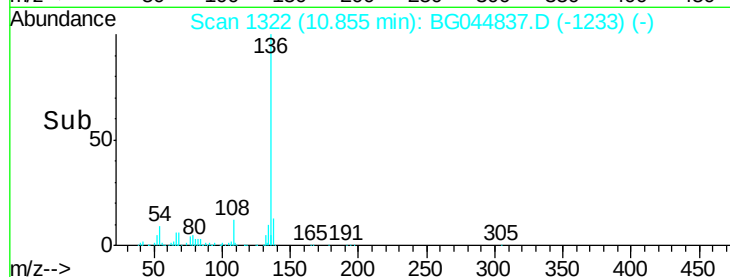
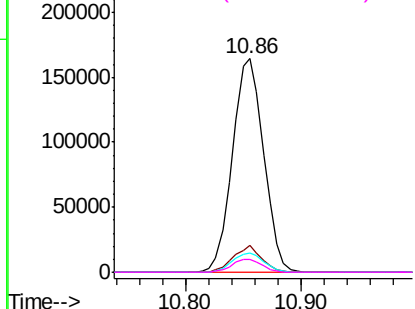
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	306174
Ion	Ratio	Lower Upper
136	100	
137	12.5	9.8 14.6
54	8.9	7.9 11.9
68	6.3	5.4 8.0

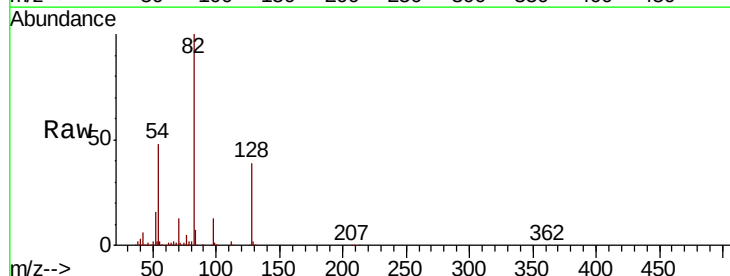


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

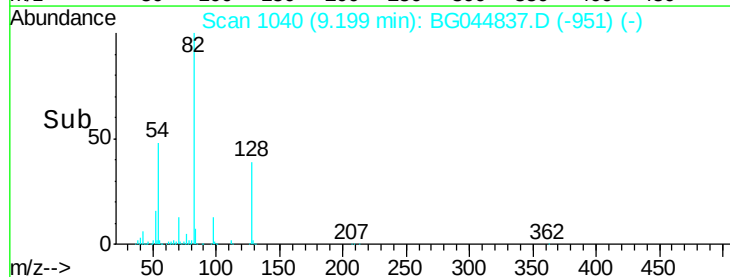
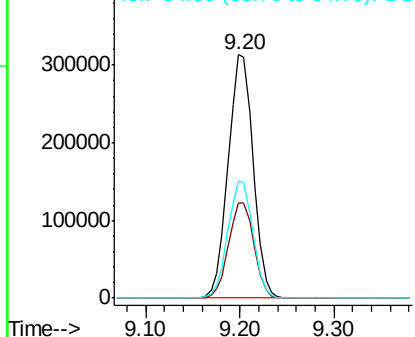


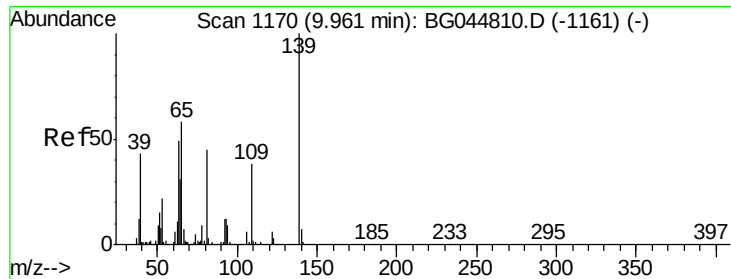
#23
Nitrobenzene-d5
Concen: 83.008 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

Tgt Ion: 82	Resp:	579173
Ion	Ratio	Lower Upper
82	100	
128	38.9	30.6 46.0
54	48.3	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

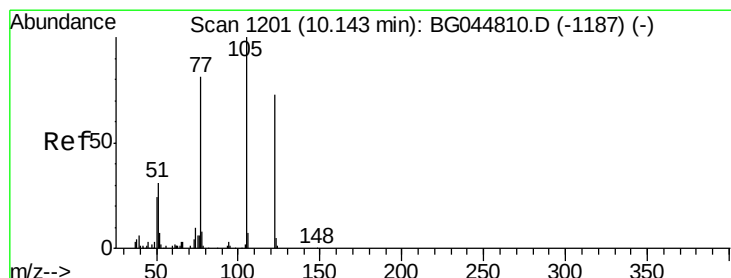
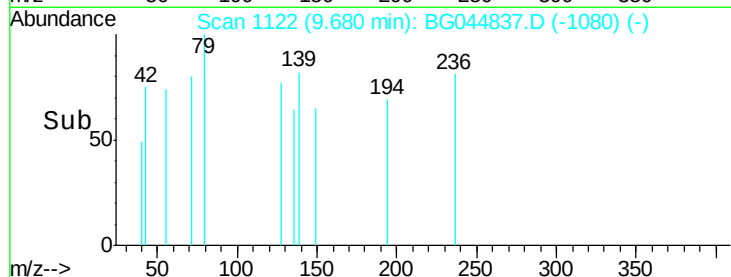
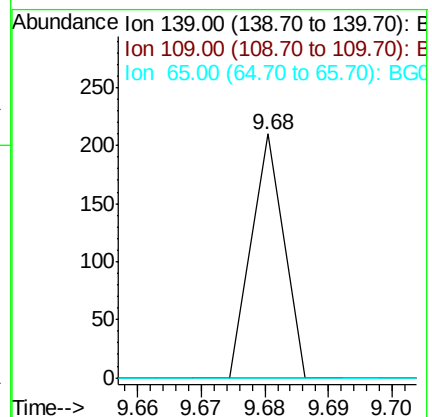
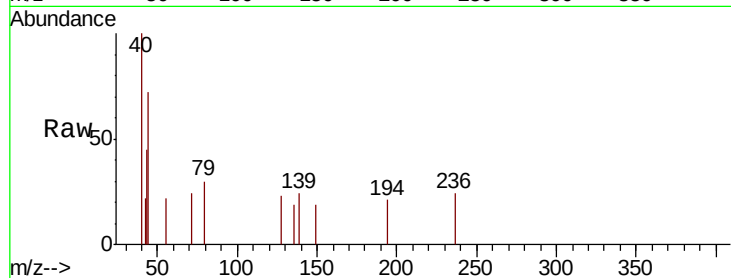




#26
2-Nitrophenol
Concen: 5.541 ng
RT: 9.68 min Scan# 1122
Delta R.T. -0.28 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

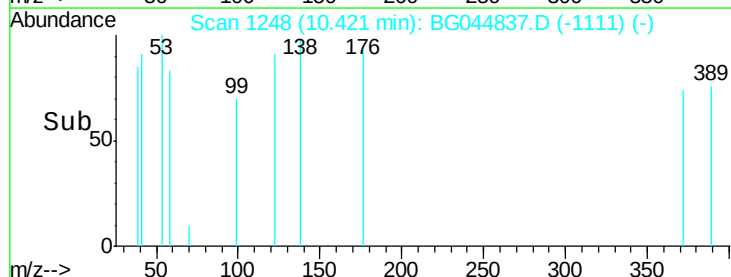
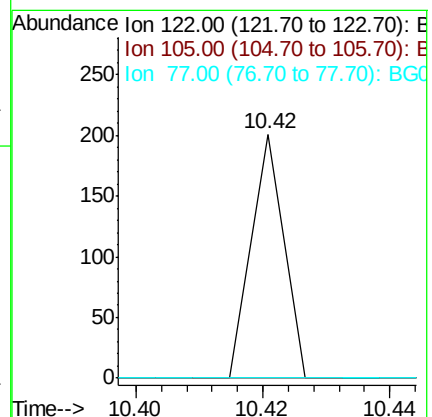
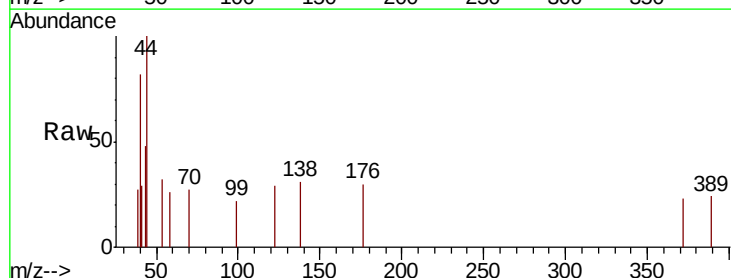
Instrument :
BNA_N
ClientSampled :

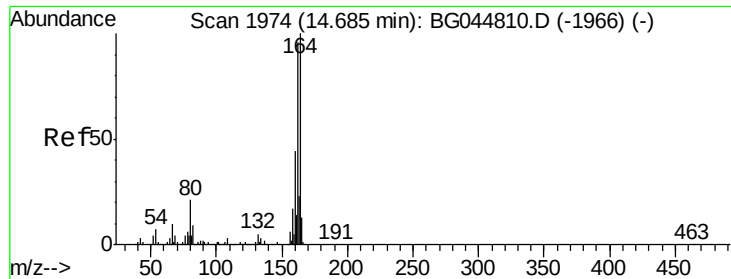
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.686 ng
RT: 10.42 min Scan# 1248
Delta R.T. 0.28 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

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# 1973

Delta R.T. -0.00 min

Lab File: BG044837.D

Acq: 17 Mar 2020 17:52

Instrument :

BNA_N

ClientSampleId :

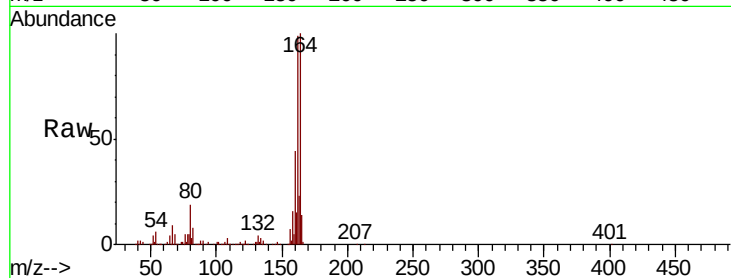
Tot Ion:164 Resp: 210228

Ion Ratio Lower Upper

164 100

162 98.6 76.7 115.1

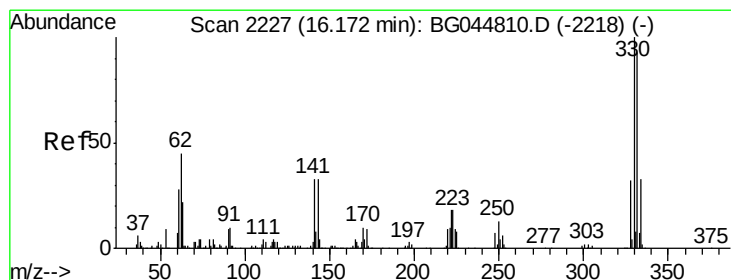
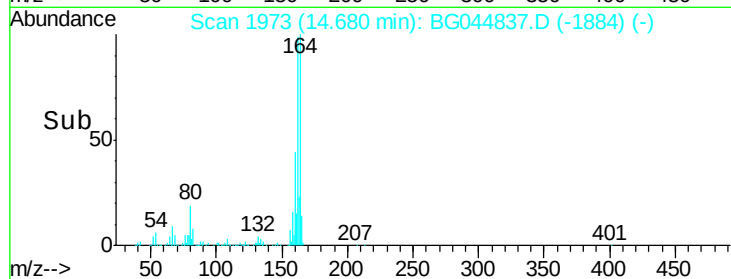
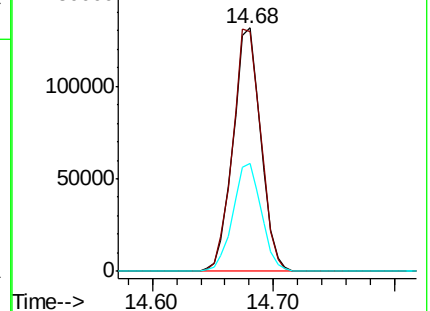
160 44.1 35.0 52.4



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: 153.678 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG044837.D

Acq: 17 Mar 2020 17:52

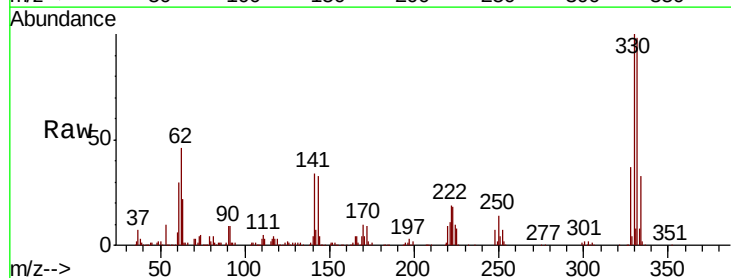
Tgt Ion:330 Resp: 423015

Ion Ratio Lower Upper

330 100

332 96.4 77.8 116.6

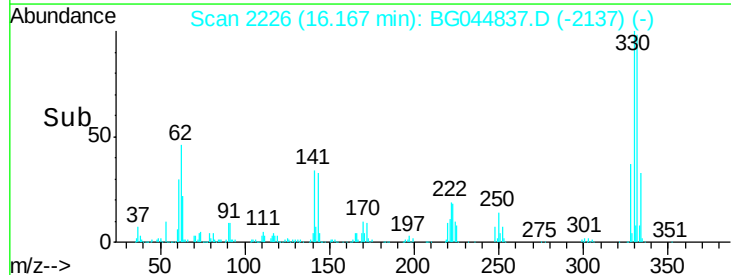
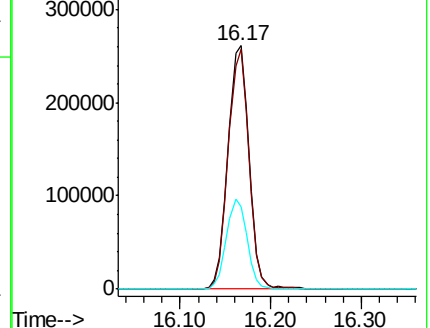
141 36.3 29.5 44.3

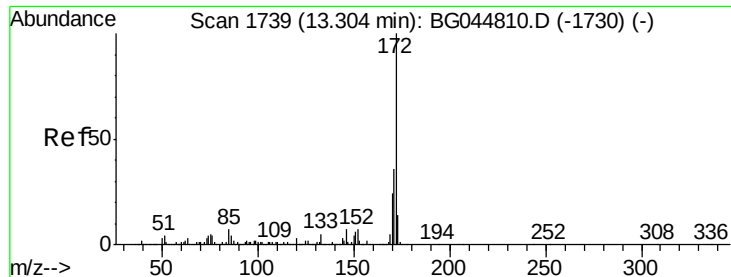


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

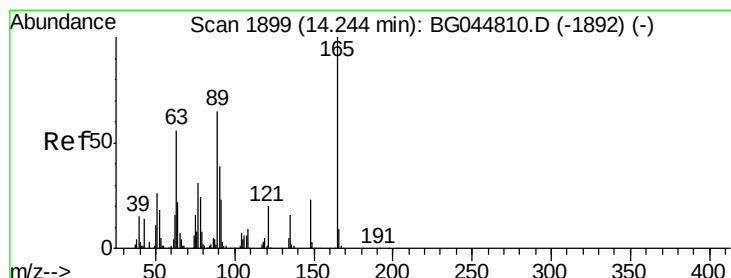
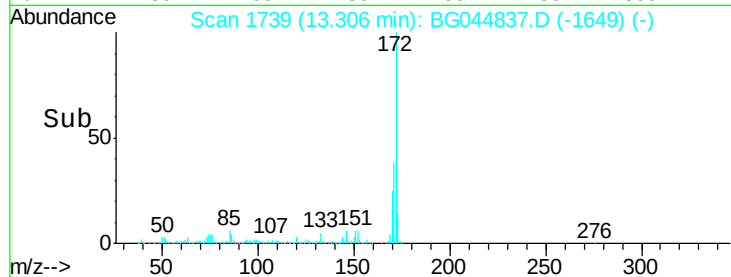
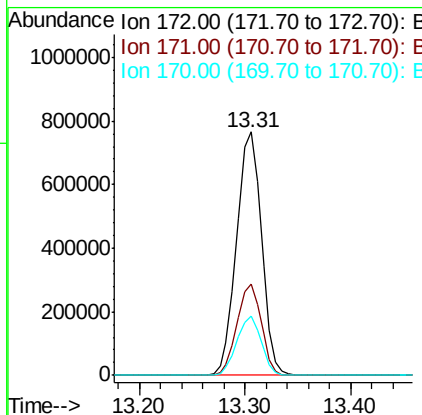
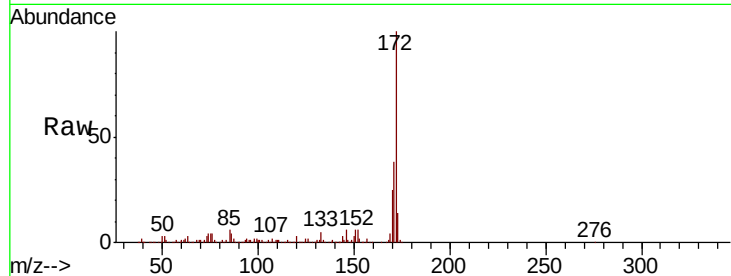




#45
2-Fluorobiphenyl
Concen: 84.817 ng
RT: 13.31 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

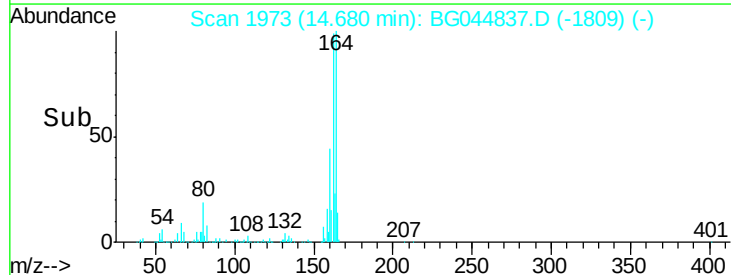
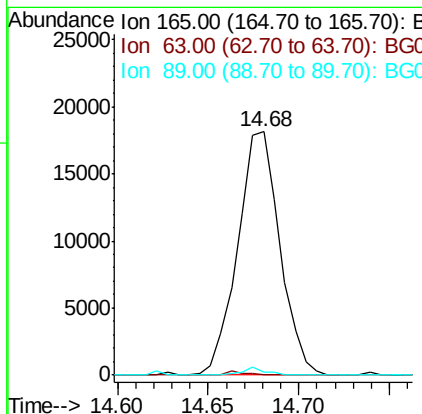
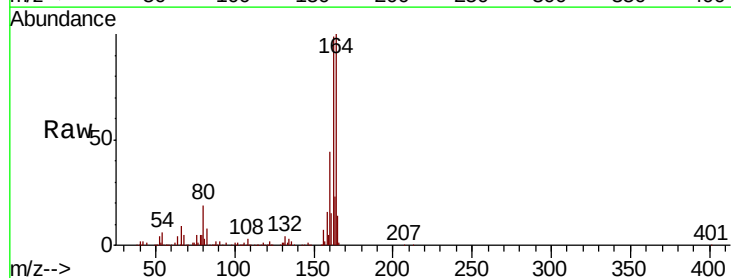
Instrument :
BNA_N
ClientSampled :

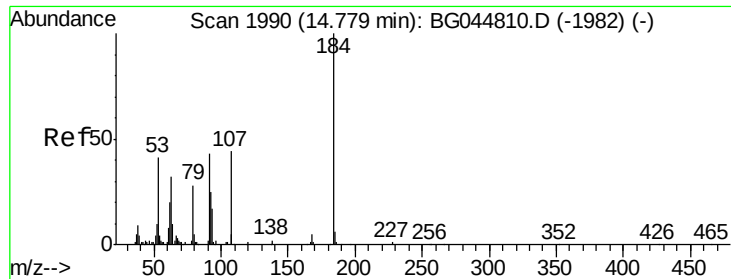
Tot Ion:172 Resp: 1245148
Ion Ratio Lower Upper
172 100
171 37.5 28.7 43.1
170 24.5 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.695 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.44 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

Tgt Ion:165 Resp: 29346
Ion Ratio Lower Upper
165 100
63 0.0 45.8 68.8#
89 1.4 51.8 77.6#

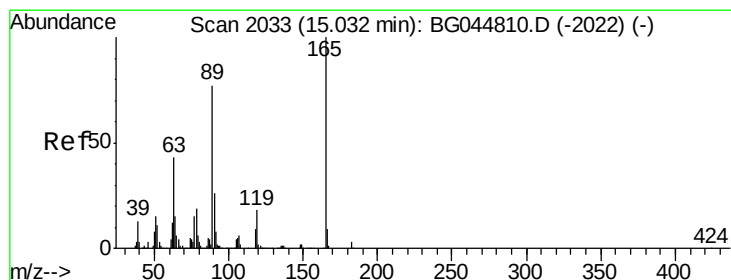
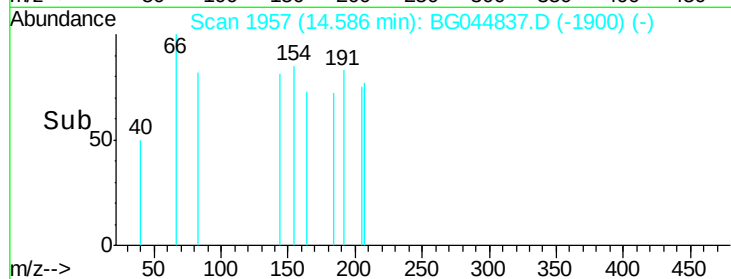
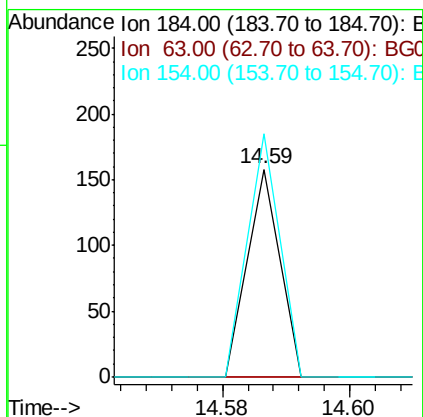
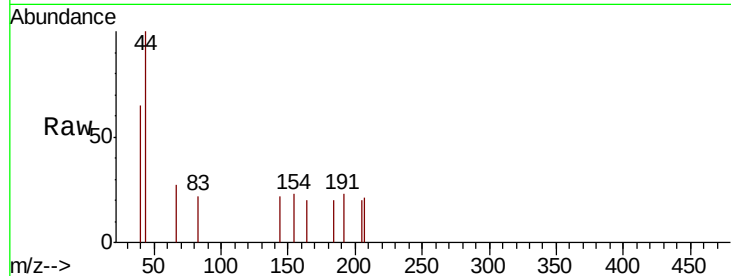




#54
2,4-Dinitrophenol
Concen: 8.351 ng
RT: 14.59 min Scan# 1957
Delta R.T. -0.19 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

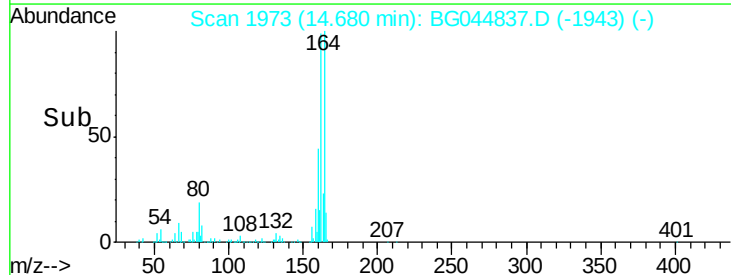
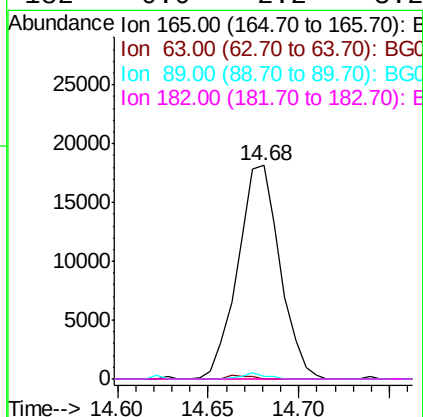
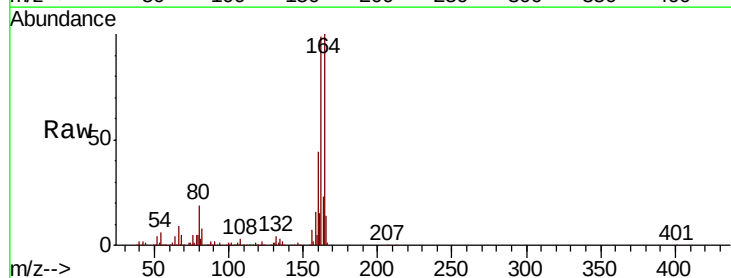
Instrument :
BNA_N
ClientSampleId :

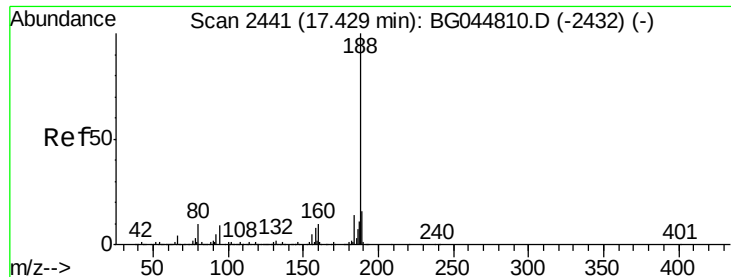
Tot Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 117.1 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 6.340 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.35 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

Tgt Ion:165 Resp: 29346
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 1.4 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: BG044837.D

Acq: 17 Mar 2020 17:52

Instrument :

BNA_N

ClientSampleId :

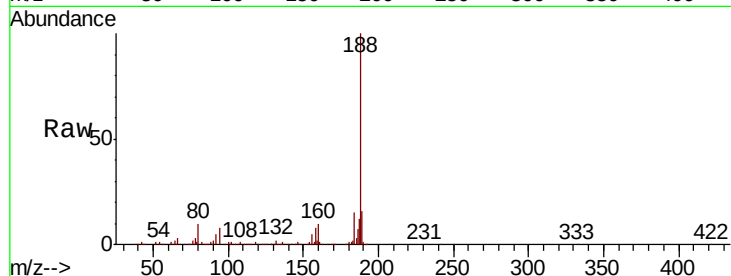
Tot Ion:188 Resp: 535355

Ion Ratio Lower Upper

188 100

94 7.8 7.3 10.9

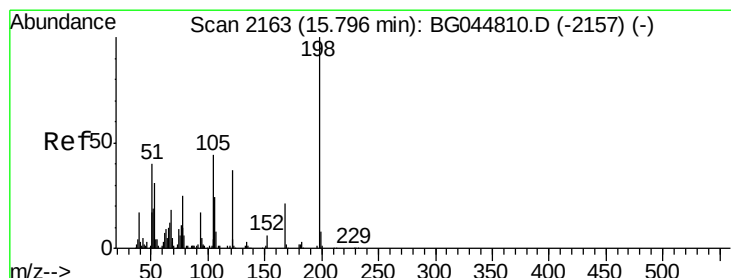
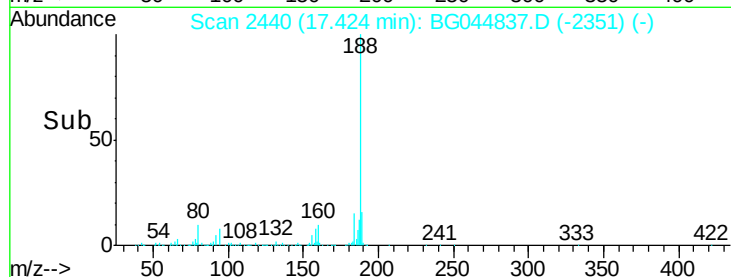
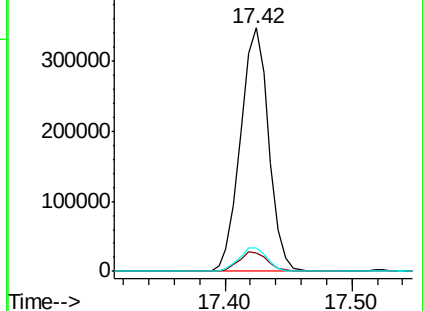
80 9.7 8.0 12.0



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: 7.746 ng

RT: 15.81 min Scan# 2165

Delta R.T. 0.01 min

Lab File: BG044837.D

Acq: 17 Mar 2020 17:52

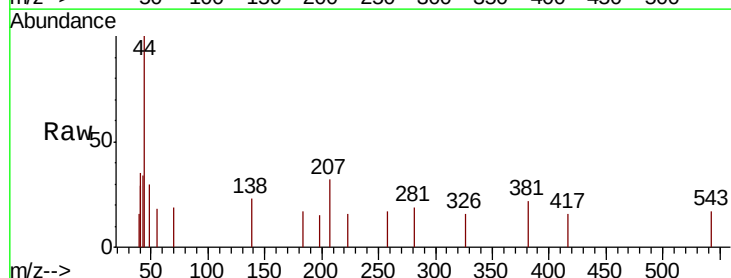
Tgt Ion:198 Resp: 53

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

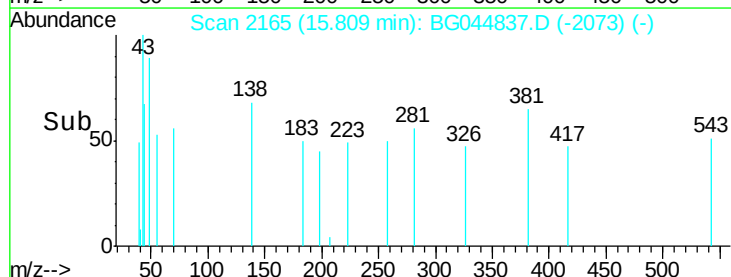
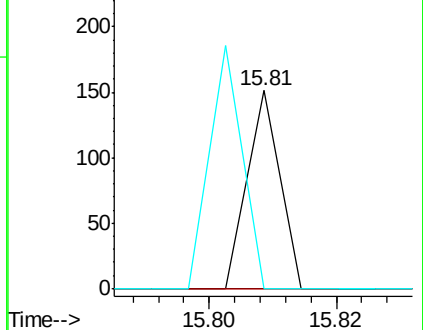
105 0.0 24.5 64.5#

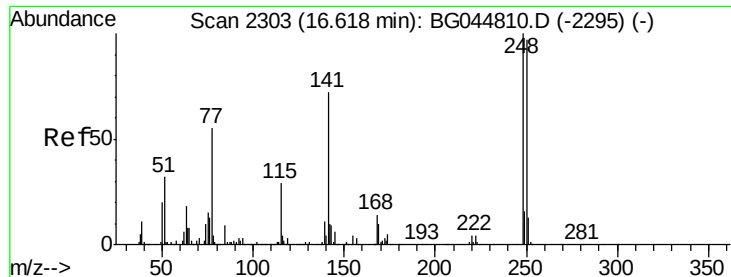


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

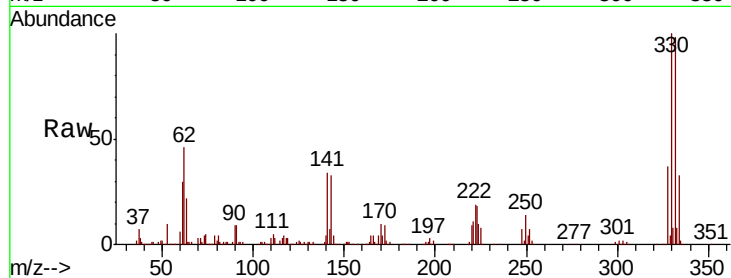




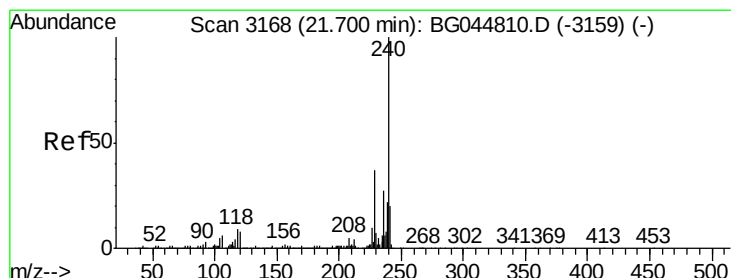
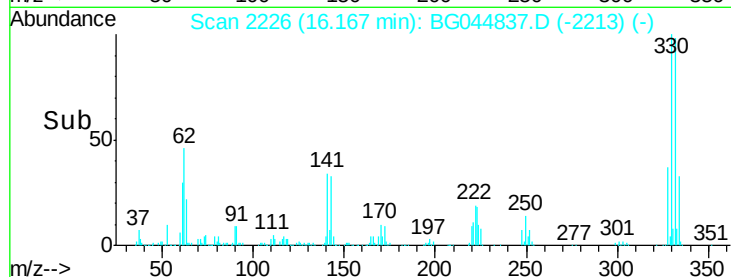
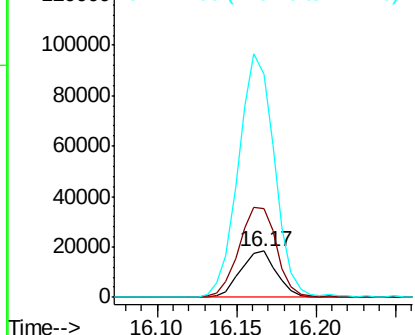
#67
4-Bromophenyl-phenylether
Concen: 4.366 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.45 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

Instrument :
BNA_N
ClientSampleId :

Tot Ion:248 Resp: 29222
Ion Ratio Lower Upper
248 100
250 192.6 77.9 116.9#
141 480.9 57.5 86.3#

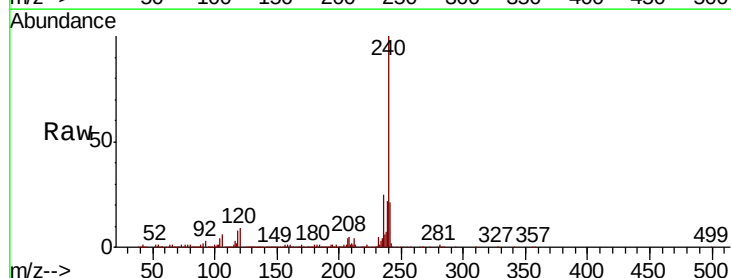


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

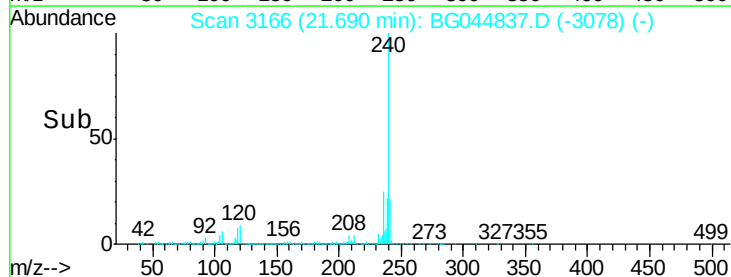
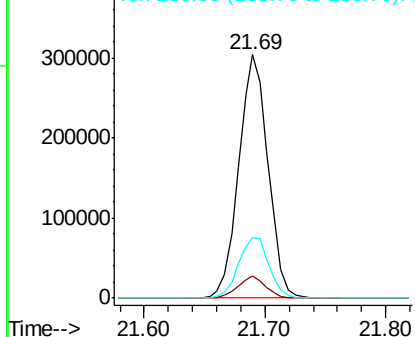


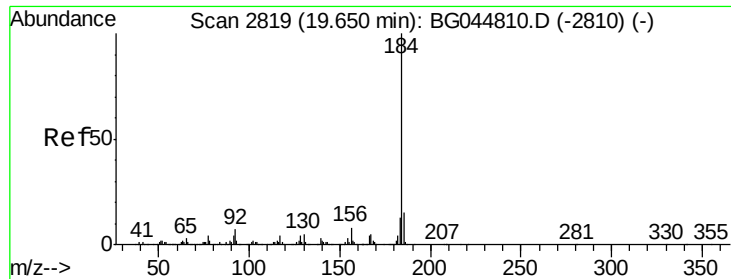
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

Tgt Ion:240 Resp: 510374
Ion Ratio Lower Upper
240 100
120 8.9 6.7 10.1
236 25.0 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: 2.764 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.39 min

Lab File: BG044837.D

Acq: 17 Mar 2020 17:52

Instrument :

BNA_N

ClientSampleId :

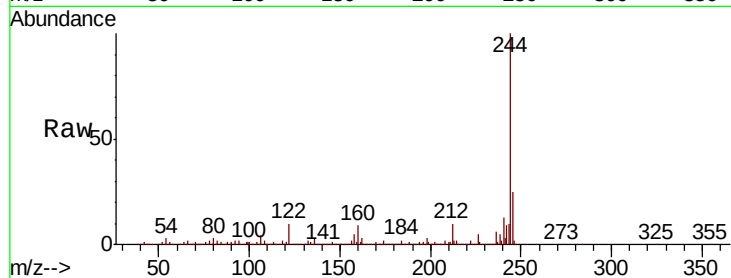
Tot Ion:184 Resp: 45801

Ion Ratio Lower Upper

184 100

185 16.0 12.2 18.4

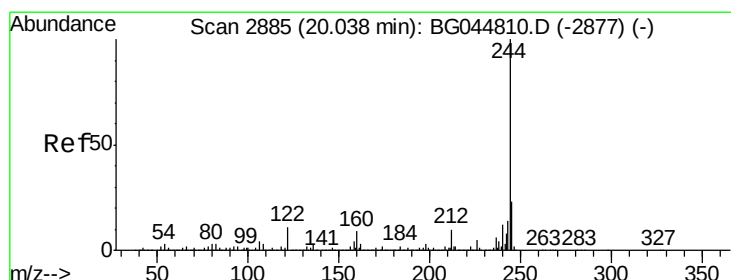
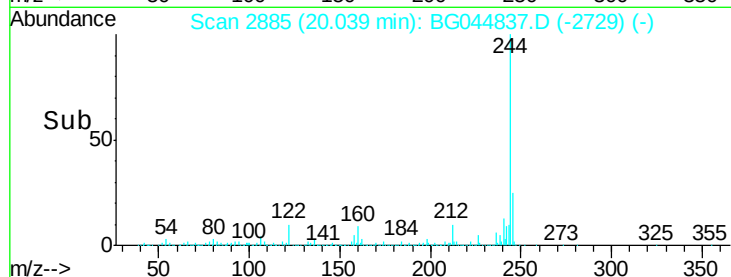
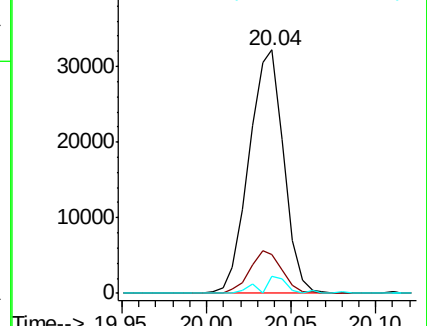
183 6.9 10.7 16.1#



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: 85.074 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG044837.D

Acq: 17 Mar 2020 17:52

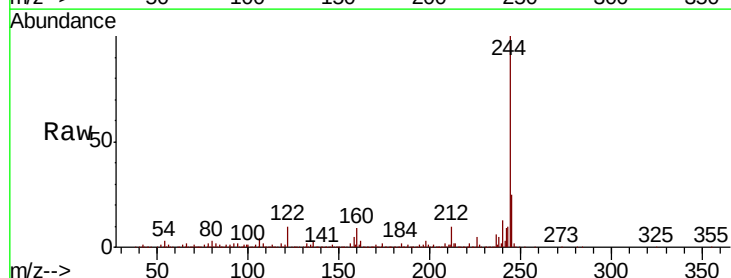
Tgt Ion:244 Resp: 2321233

Ion Ratio Lower Upper

244 100

212 10.0 7.7 11.5

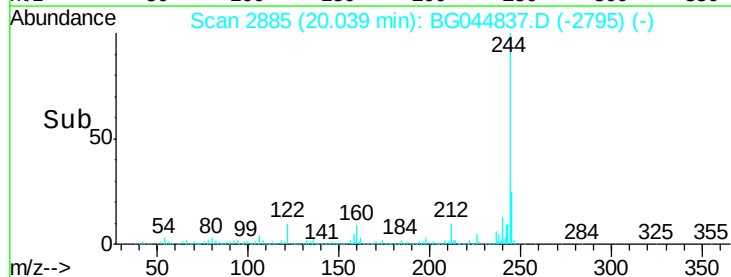
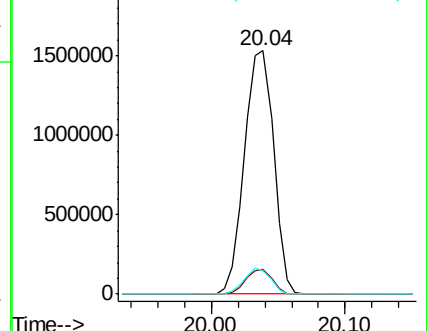
122 9.8 8.6 12.8

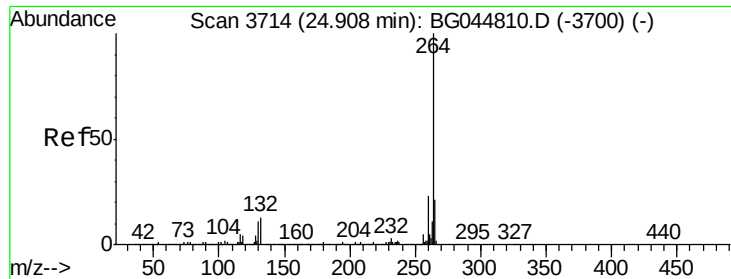


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

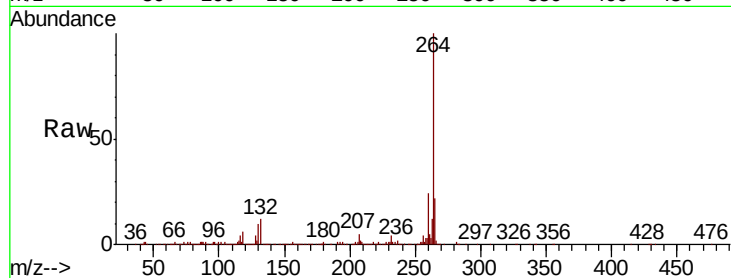




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG044837.D
Acq: 17 Mar 2020 17:52

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.1	27.1
265	22.3	17.1	25.7



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

