

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031620\
 Data File : BG044813.D
 Acq On : 16 Mar 2020 15:00
 Operator : CG/JU
 Sample : PB127398BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 16 17:44:50 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	91788	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	365808	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	258362	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	633229	20.00	ng	0.00
76) Chrysene-d12	21.69	240	601648	20.00	ng	0.00
87) Perylene-d12	24.91	264	662110	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	768815	130.39	ng	0.00
7) Phenol-d6	7.21	99	1058330	123.54	ng	0.00
23) Nitrobenzene-d5	9.20	82	703750	84.42	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	478075	141.32	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1482076	82.15	ng	0.00
79) Terphenyl-d14	20.04	244	2630153	81.77	ng	0.00

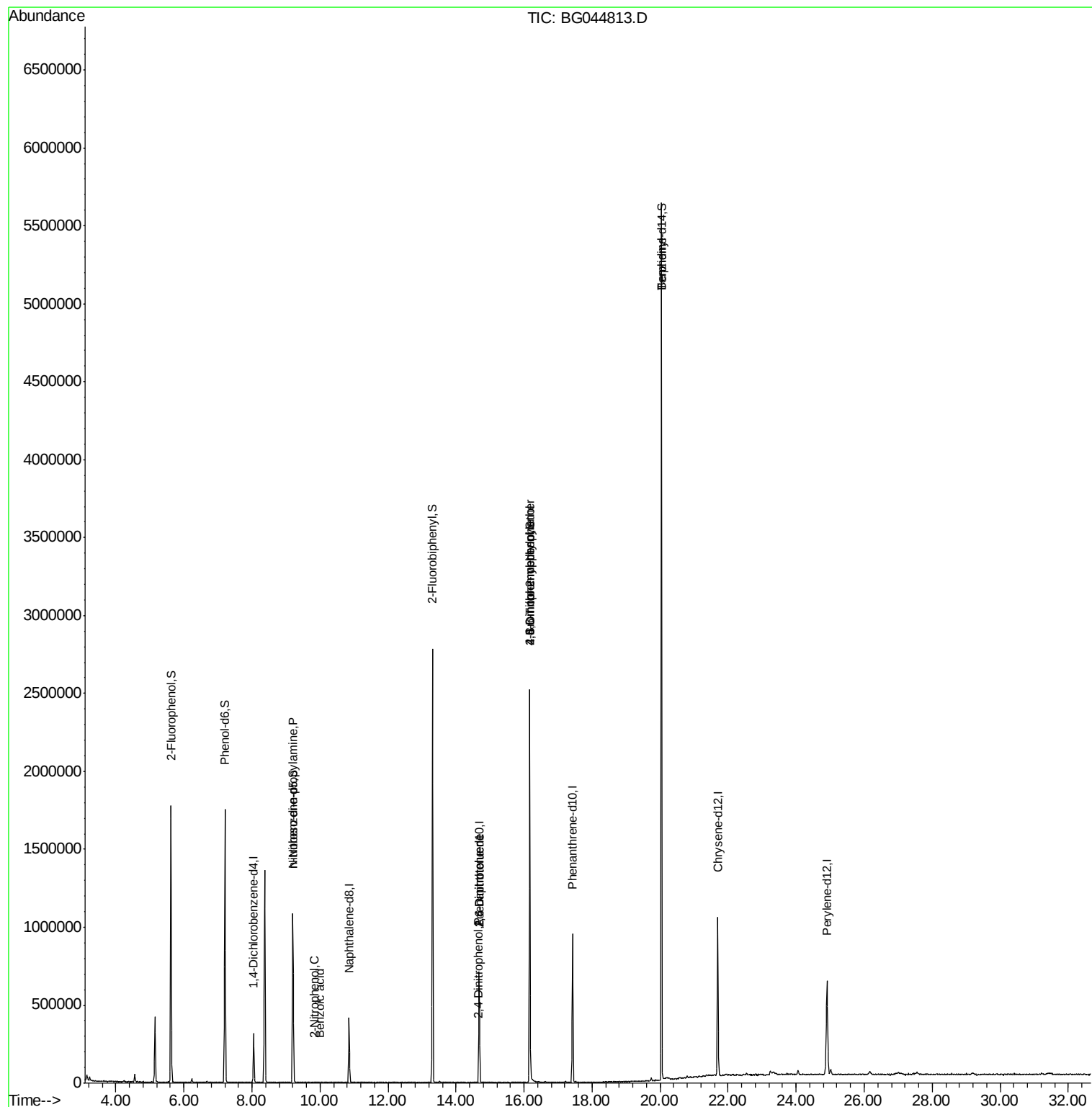
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	2054	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.20	70	95389	15.769	ng	# 72
26) 2-Nitrophenol	9.83	139	67	5.535	ng	# 28
32) Benzoic acid	9.98	122	61	9.682	ng	# 1
51) 2,6-Dinitrotoluene	14.68	165	34241	8.255	ng	# 22
54) 2,4-Dinitrophenol	14.66	184	60	8.348	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	34238	6.019	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.17	198	1781	8.230	ng	# 6
67) 4-Bromophenyl-phenylether	16.17	248	34256	4.327	ng	# 1
77) Benzidine	20.04	184	54286	2.779	ng	# 90

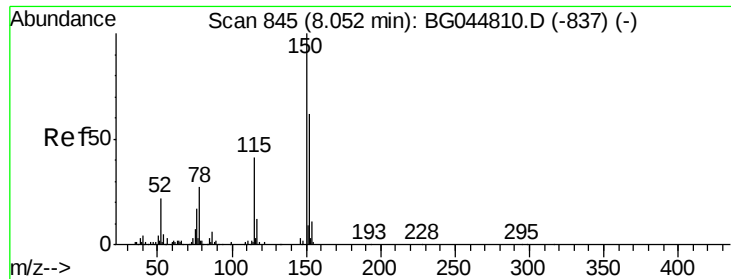
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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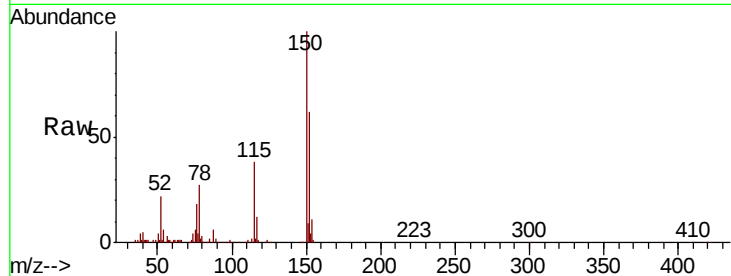


#1

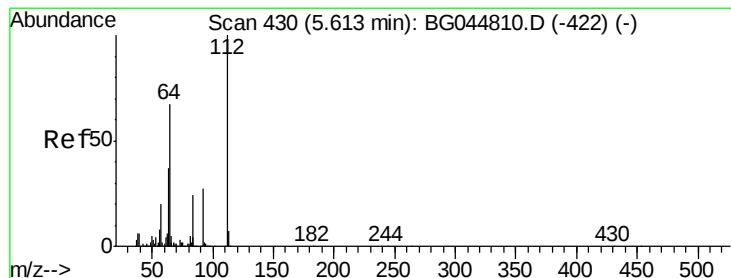
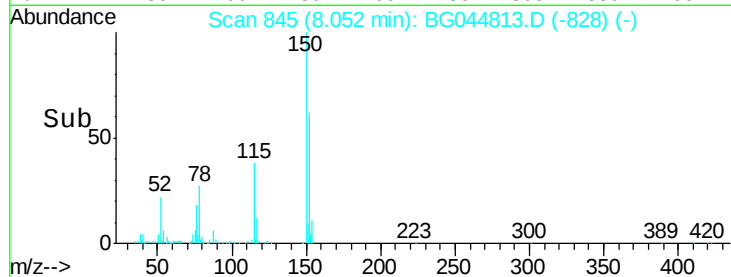
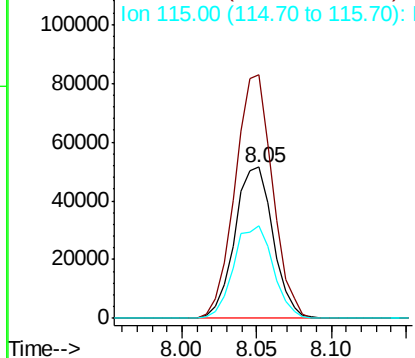
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG044813.D
Acq: 16 Mar 2020 15:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 91788
Ion Ratio Lower Upper
152 100
150 161.2 128.8 193.2
115 61.1 52.6 79.0



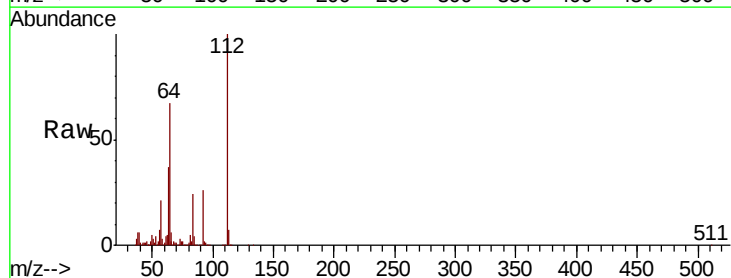
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



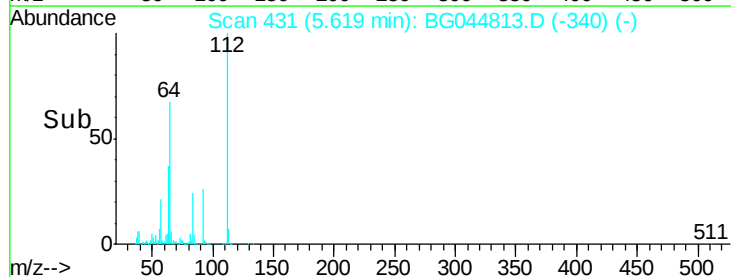
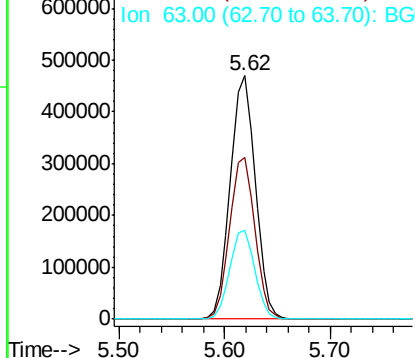
#5

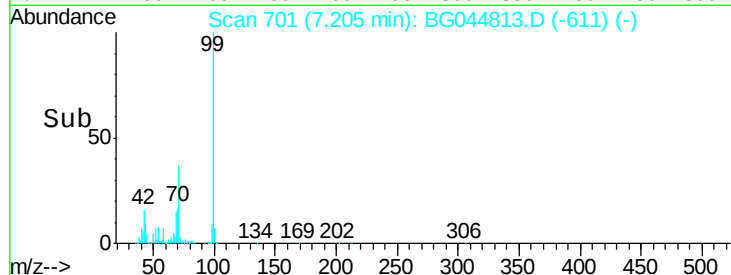
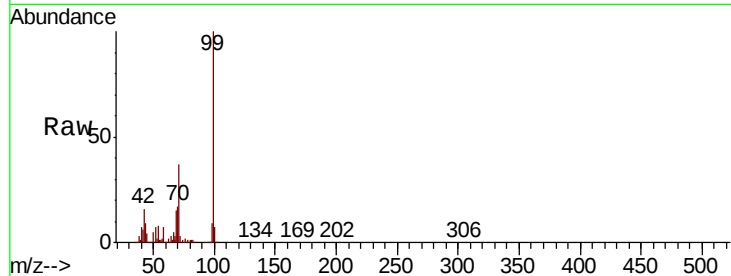
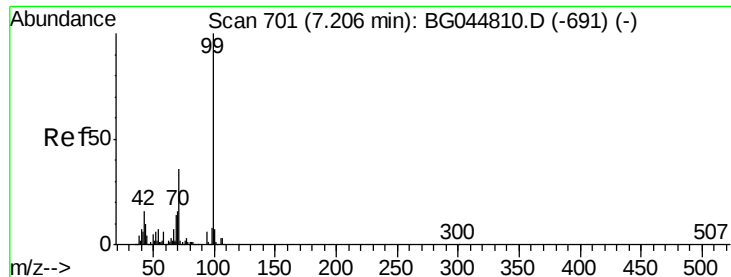
2-Fluorophenol
Concen: 130.388 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044813.D
Acq: 16 Mar 2020 15:00

Tgt Ion:112 Resp: 768815
Ion Ratio Lower Upper
112 100
64 66.5 53.4 80.2
63 36.7 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: 123.536 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG044813.D

Acq: 16 Mar 2020 15:00

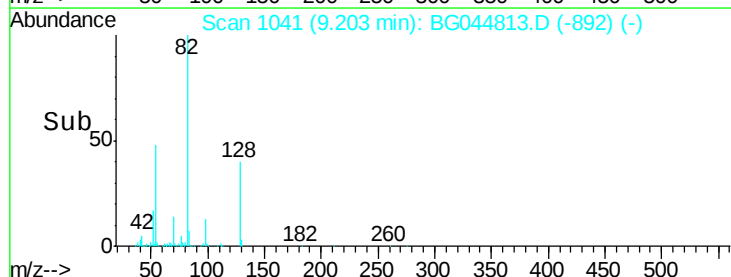
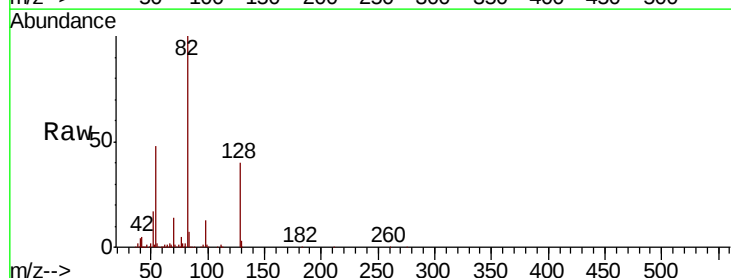
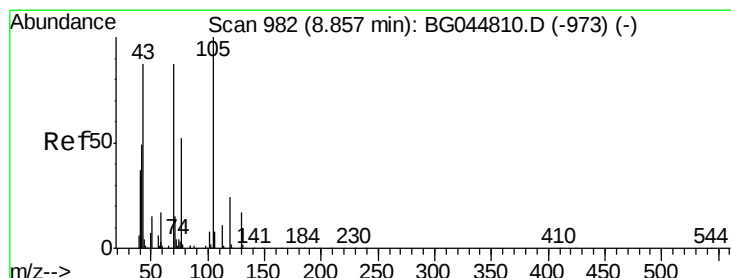
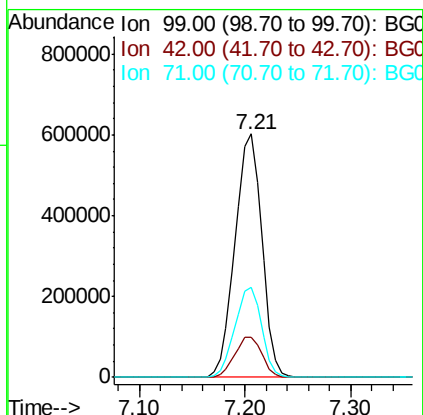
Tot Ion: 99 Resp: 1058330

Ion Ratio Lower Upper

99 100

42 16.2 12.6 19.0

71 37.1 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.769 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044813.D

Acq: 16 Mar 2020 15:00

Tgt Ion: 70 Resp: 95389

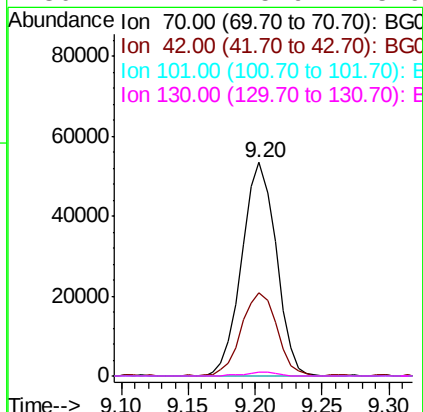
Ion Ratio Lower Upper

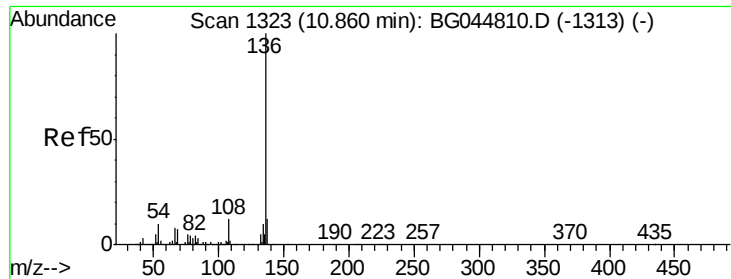
70 100

42 38.9 45.7 68.5#

101 0.0 7.4 11.2#

130 2.1 15.9 23.9#

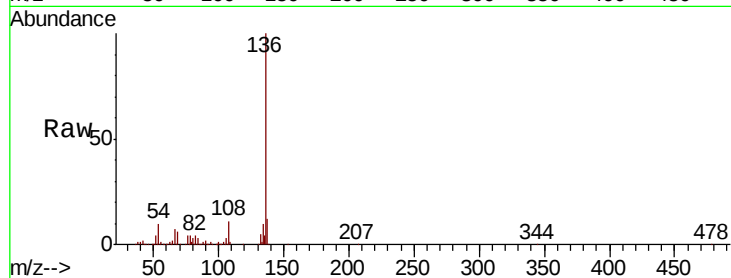




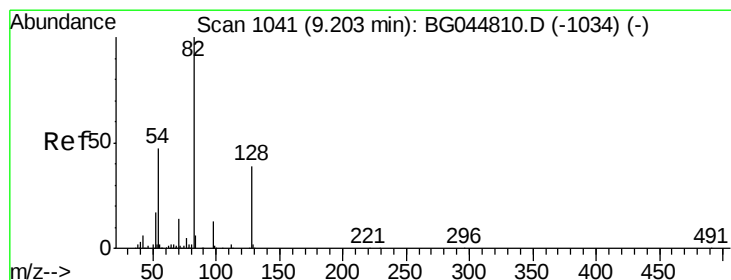
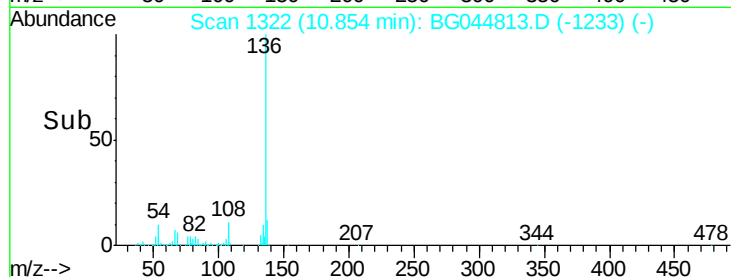
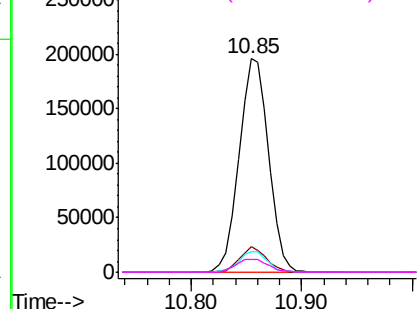
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG044813.D
Acq: 16 Mar 2020 15:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	365808
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.8 14.6
54	9.8	7.9 11.9
68	5.8	5.4 8.0

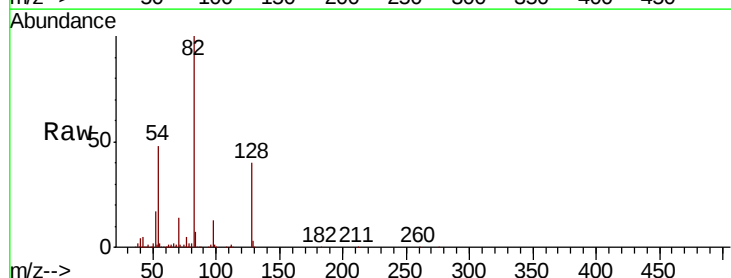


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

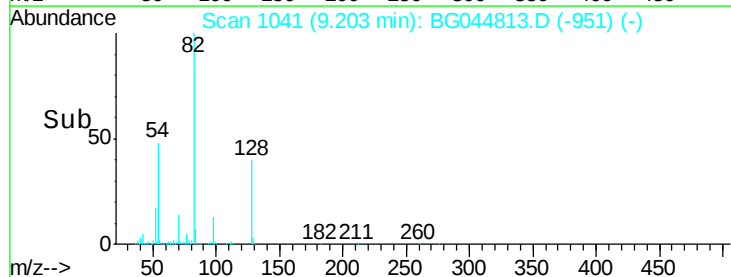
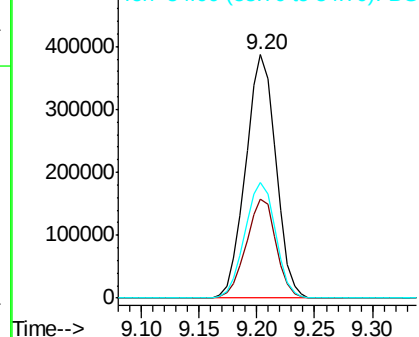


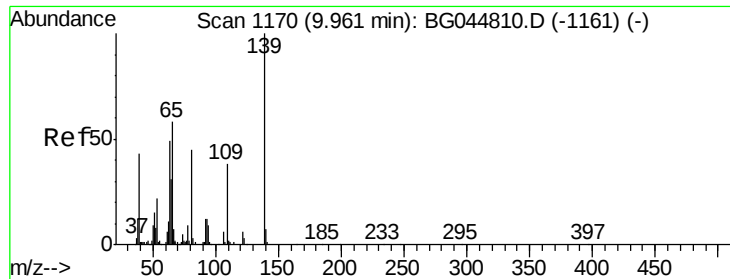
#23
Nitrobenzene-d5
Concen: 84.420 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG044813.D
Acq: 16 Mar 2020 15:00

Tgt Ion: 82	Resp:	703750
Ion Ratio	Lower	Upper
82	100	
128	40.5	30.6 46.0
54	47.7	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

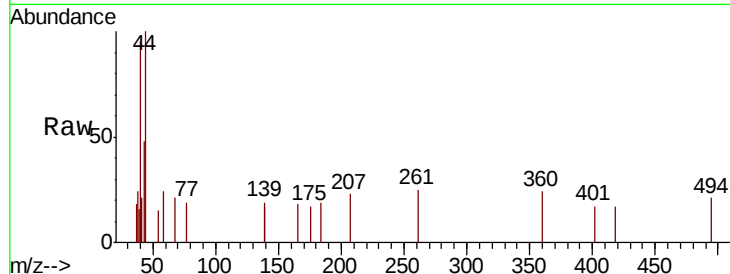




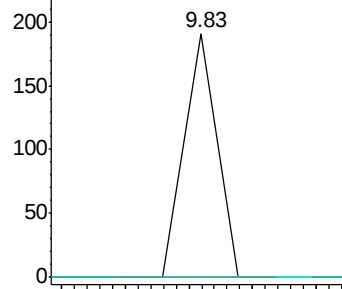
#26
2-Nitrophenol
Concen: 5.535 ng
RT: 9.83 min Scan# 1148
Delta R.T. -0.13 min
Lab File: BG044813.D
Acq: 16 Mar 2020 15:00

Instrument :
BNA_G
ClientSampleId :

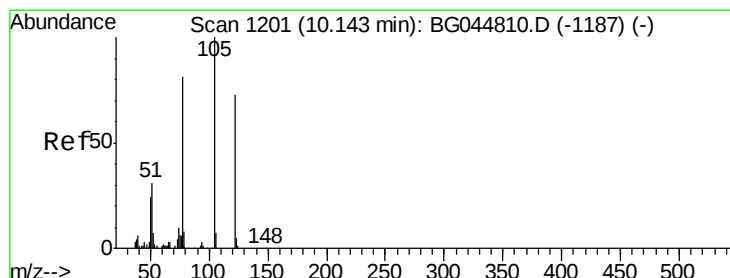
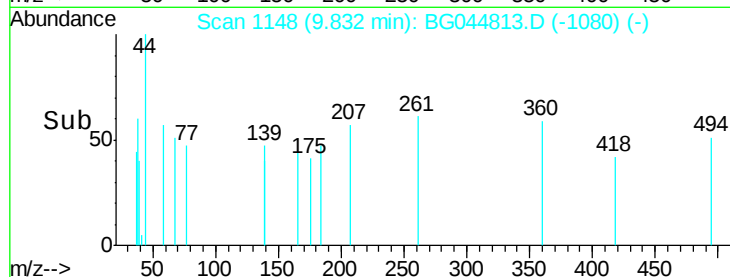
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



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

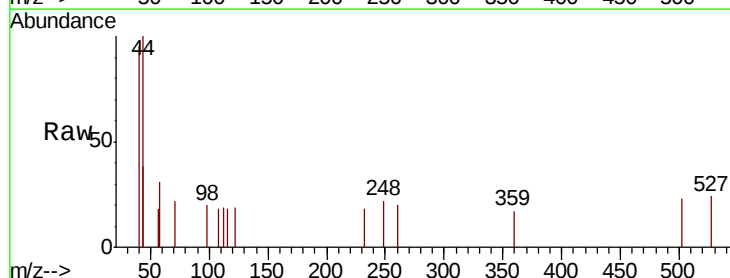


Time--> 9.81 9.82 9.83 9.84 9.85

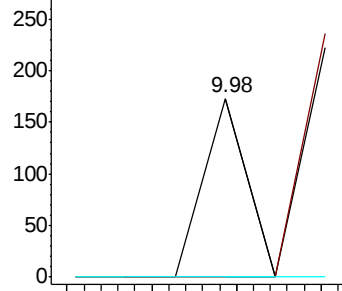


#32
Benzoic acid
Concen: 9.682 ng
RT: 9.98 min Scan# 1173
Delta R.T. -0.16 min
Lab File: BG044813.D
Acq: 16 Mar 2020 15:00

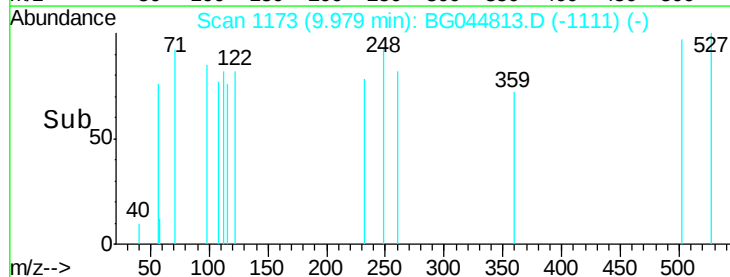
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#

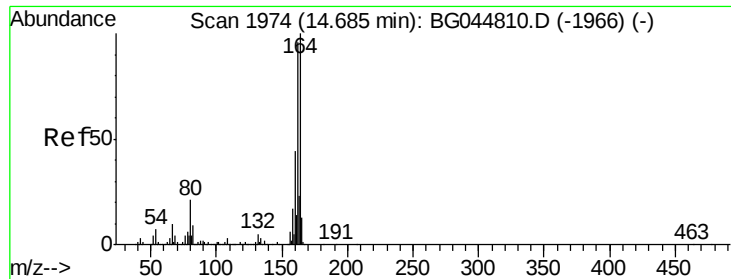


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC



Time--> 9.96 9.97 9.98 9.99





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044813.D

Acq: 16 Mar 2020 15:00

Instrument :

BNA_G

ClientSampleId :

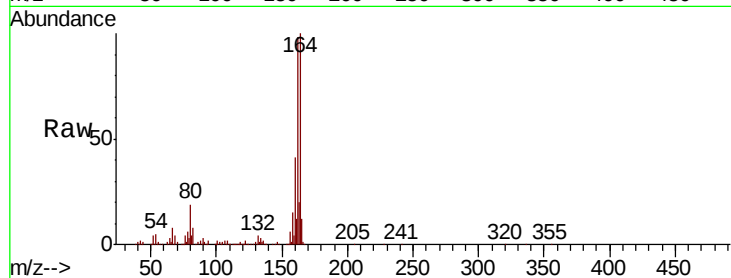
Tot Ion:164 Resp: 258362

Ion Ratio Lower Upper

164 100

162 98.2 76.7 115.1

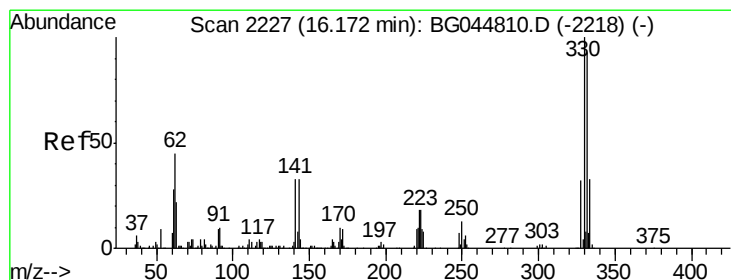
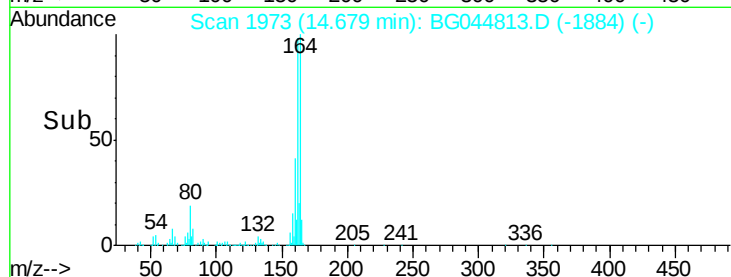
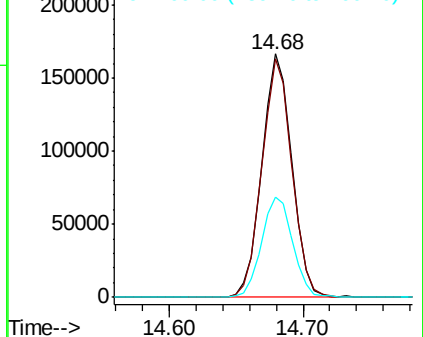
160 41.2 35.0 52.4



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: 141.323 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG044813.D

Acq: 16 Mar 2020 15:00

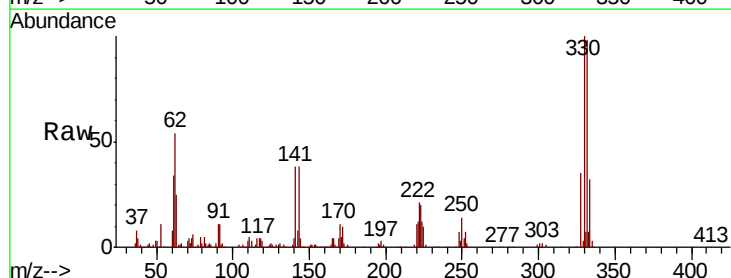
Tgt Ion:330 Resp: 478075

Ion Ratio Lower Upper

330 100

332 98.0 77.8 116.6

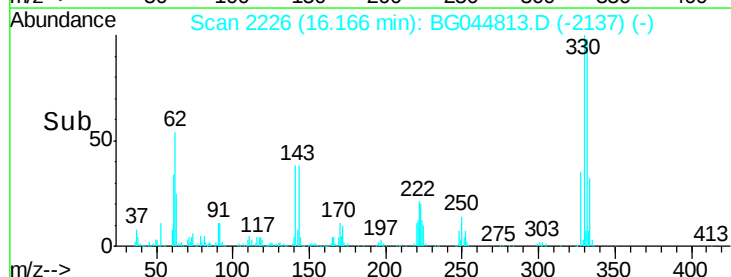
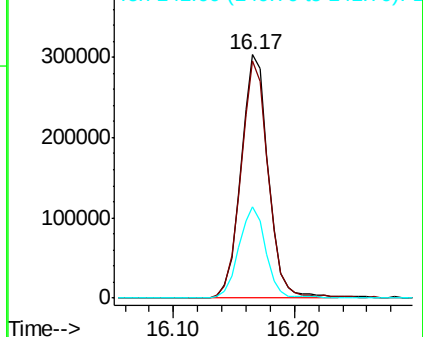
141 37.3 29.5 44.3

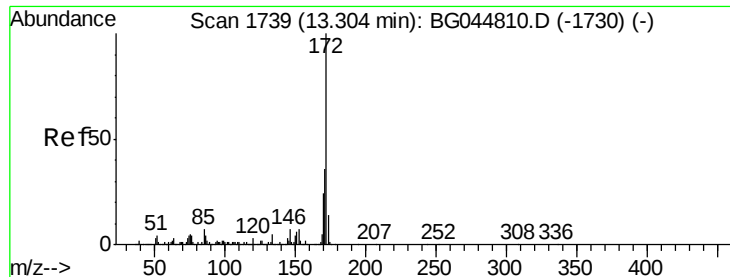


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

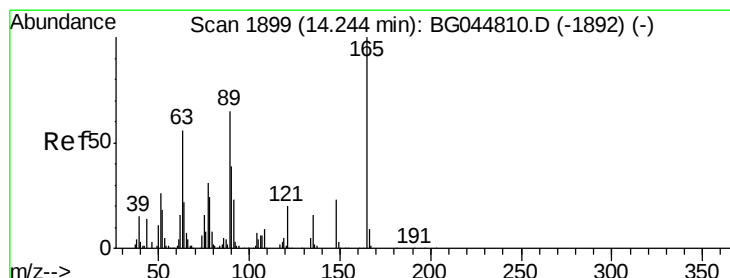
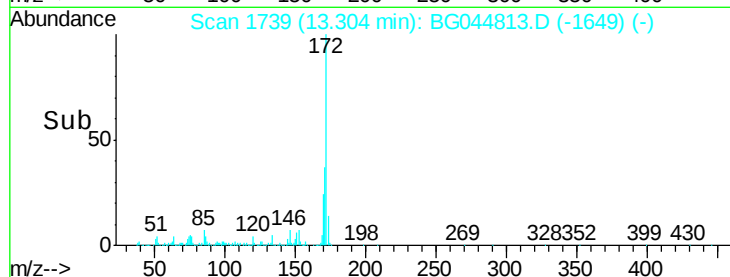
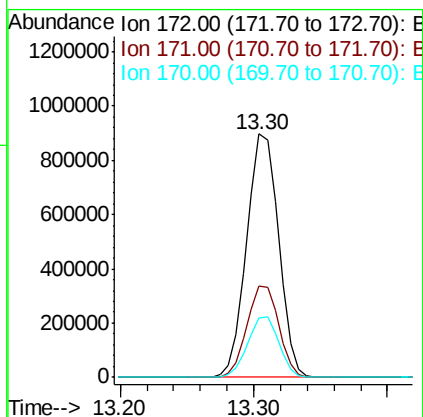
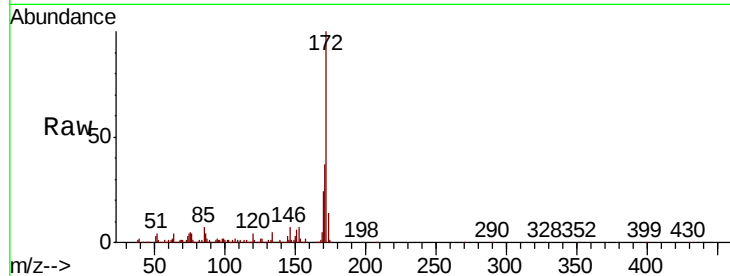




#45
2-Fluorobiphenyl
Concen: 82.148 ng
RT: 13.30 min Scan# 1739
Delta R.T. -0.00 min
Lab File: BG044813.D
Acq: 16 Mar 2020 15:00

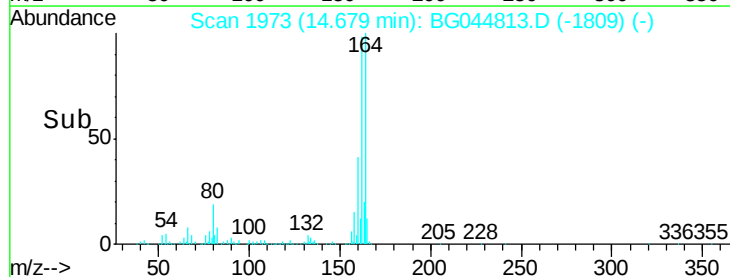
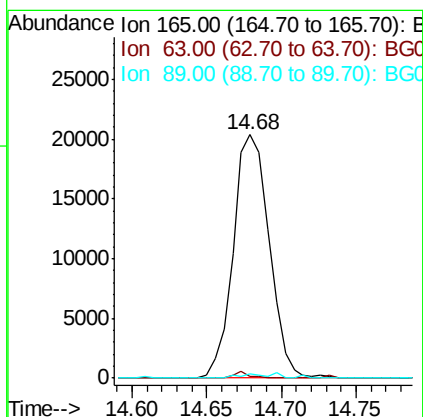
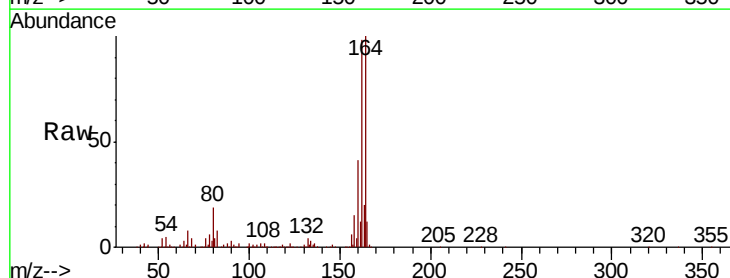
Instrument :
BNA_G
ClientSampleId :

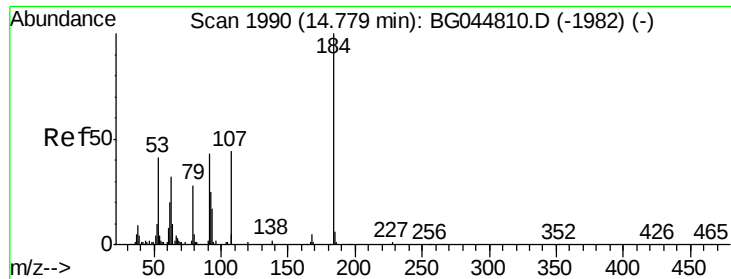
Tot Ion:172 Resp: 1482076
Ion Ratio Lower Upper
172 100
171 37.5 28.7 43.1
170 24.2 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.255 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.43 min
Lab File: BG044813.D
Acq: 16 Mar 2020 15:00

Tgt Ion:165 Resp: 34241
Ion Ratio Lower Upper
165 100
63 0.8 45.8 68.8#
89 1.6 51.8 77.6#





#54

2,4-Dinitrophenol

Concen: 8.348 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.12 min

Lab File: BG044813.D

Acq: 16 Mar 2020 15:00

Instrument :

BNA_G

ClientSampleId :

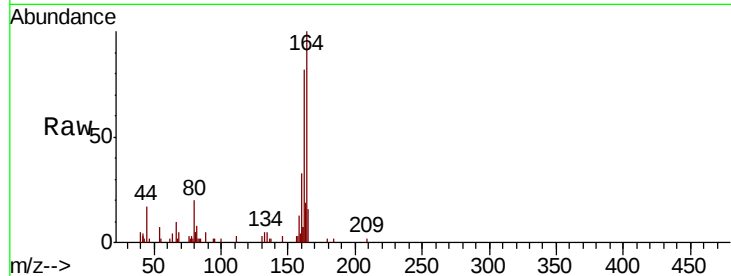
Tot Ion:184 Resp: 60

Ion Ratio Lower Upper

184 100

63 0.0 45.5 68.3#

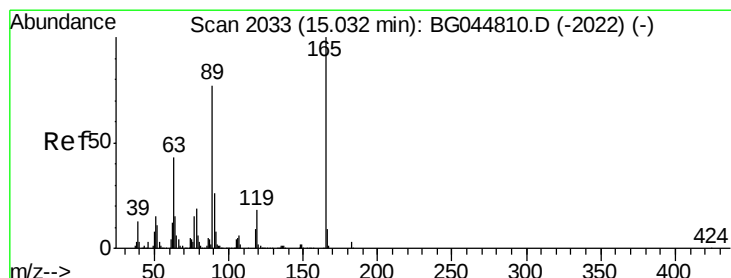
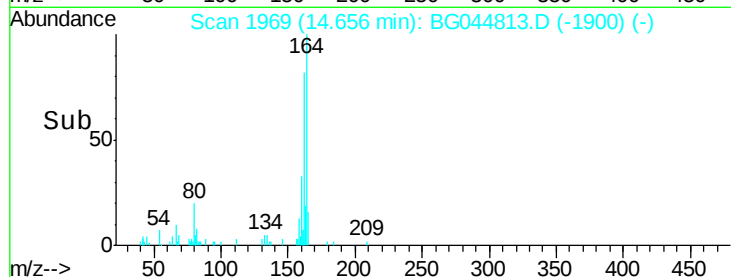
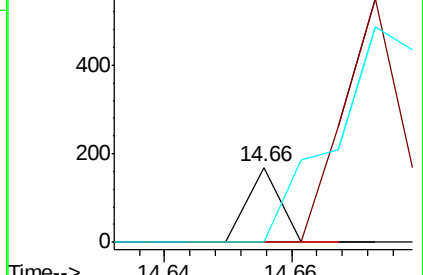
154 0.0 49.1 73.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 6.019 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.35 min

Lab File: BG044813.D

Acq: 16 Mar 2020 15:00

Tgt Ion:165 Resp: 34238

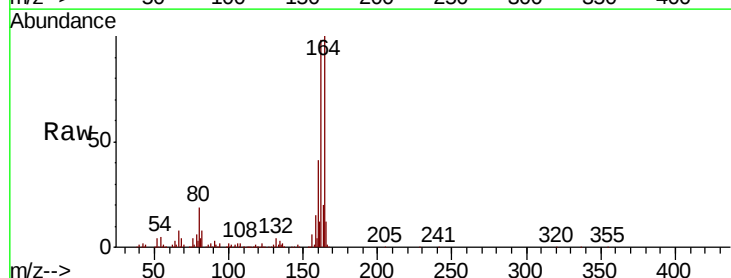
Ion Ratio Lower Upper

165 100

63 0.8 34.6 52.0#

89 1.6 61.3 91.9#

182 0.0 2.2 3.2#

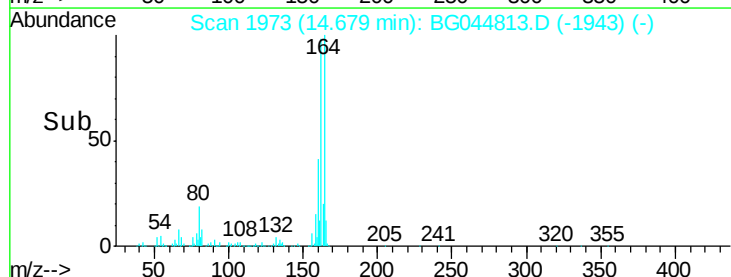
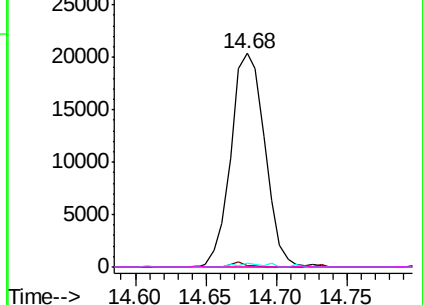


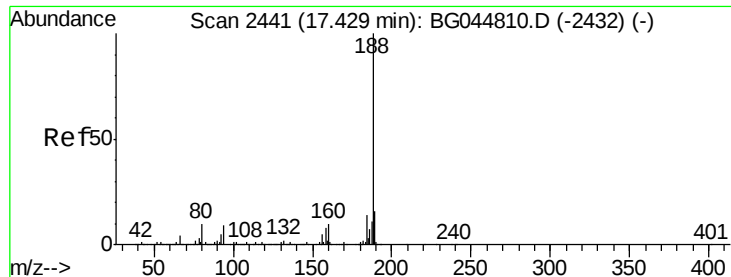
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG044813.D

Acq: 16 Mar 2020 15:00

Instrument :

BNA_G

ClientSampled :

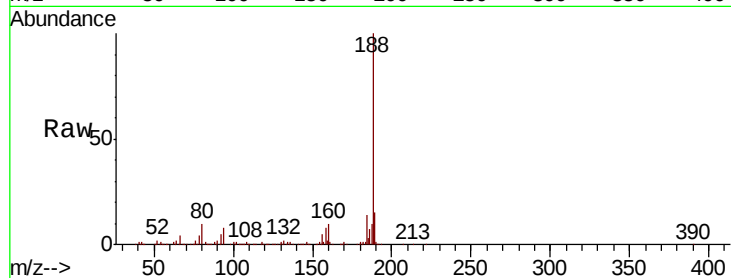
Tot Ion:188 Resp: 633229

Ion Ratio Lower Upper

188 100

94 8.3 7.3 10.9

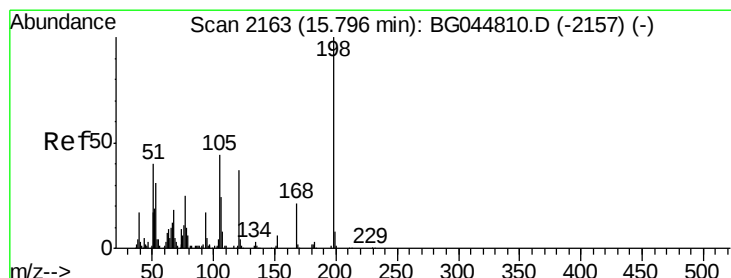
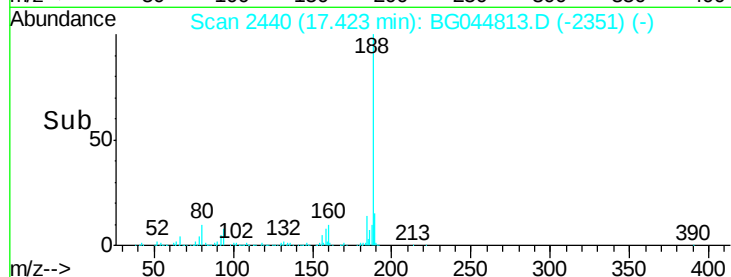
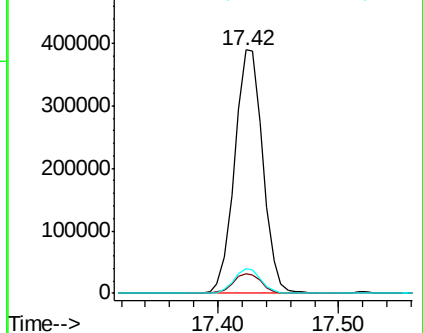
80 10.4 8.0 12.0



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: 8.230 ng

RT: 16.17 min Scan# 2227

Delta R.T. 0.38 min

Lab File: BG044813.D

Acq: 16 Mar 2020 15:00

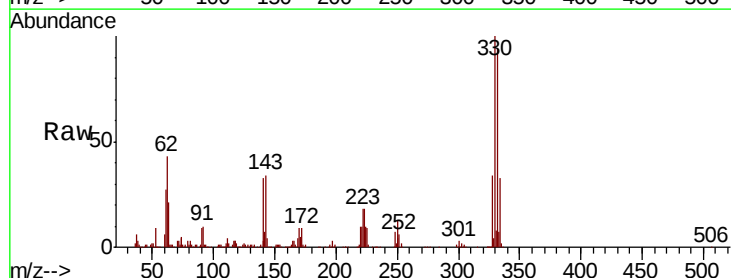
Tgt Ion:198 Resp: 1781

Ion Ratio Lower Upper

198 100

51 78.6 21.1 61.1#

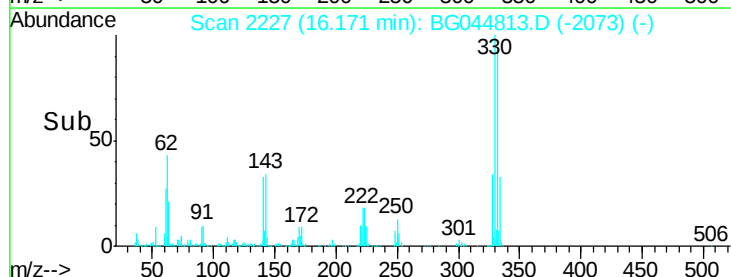
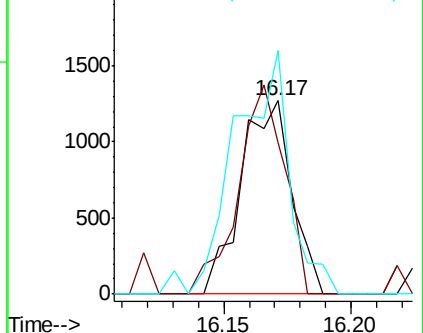
105 126.1 24.5 64.5#

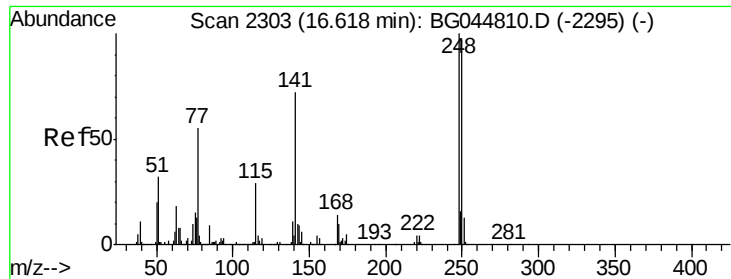


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

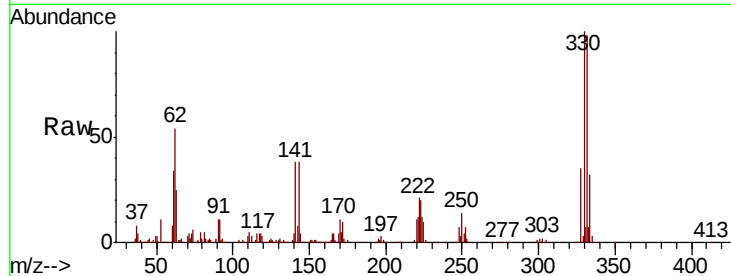




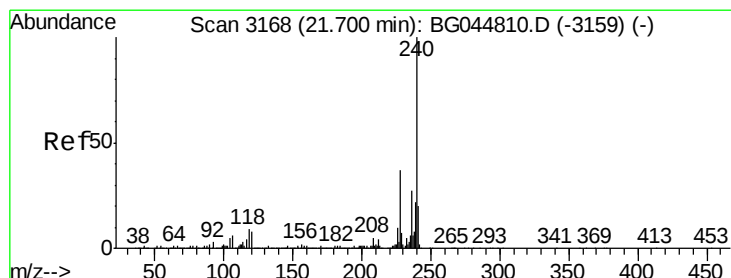
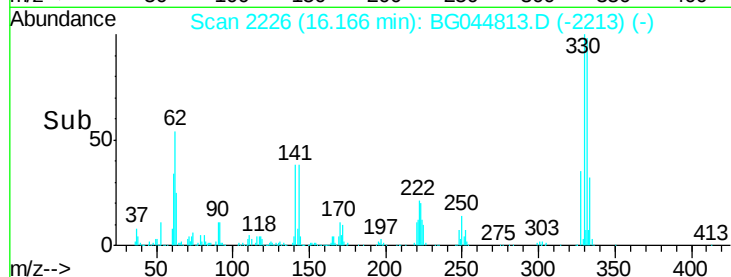
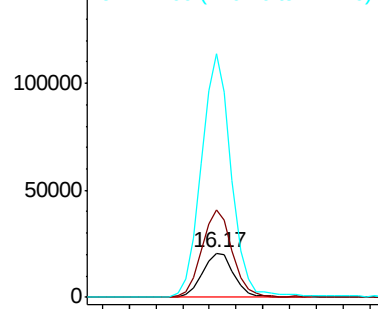
#67
4-Bromophenyl-phenylether
Concen: 4.327 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.45 min
Lab File: BG044813.D
Acq: 16 Mar 2020 15:00

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 34256
Ion Ratio Lower Upper
248 100
250 199.2 77.9 116.9#
141 552.0 57.5 86.3#

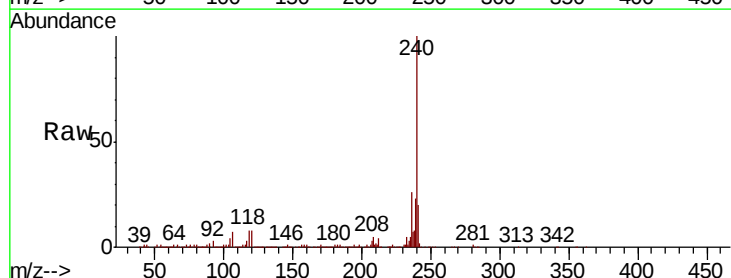


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

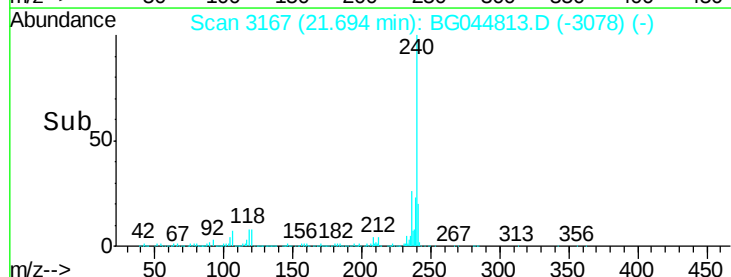
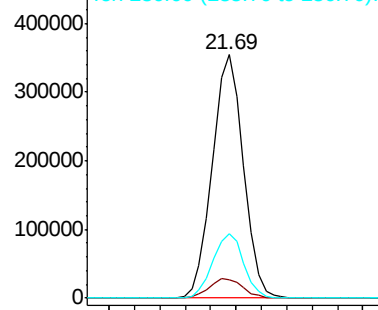


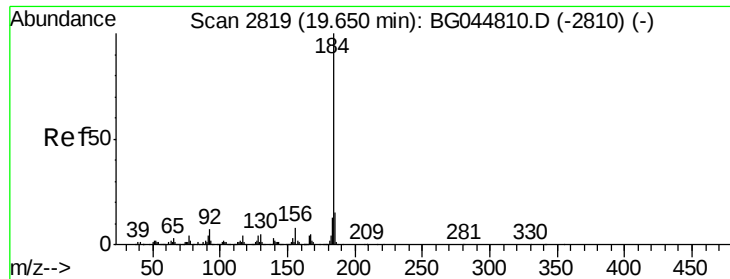
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG044813.D
Acq: 16 Mar 2020 15:00

Tgt Ion:240 Resp: 601648
Ion Ratio Lower Upper
240 100
120 7.6 6.7 10.1
236 26.3 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: 2.779 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.39 min

Lab File: BG044813.D

Acq: 16 Mar 2020 15:00

Instrument :

BNA_G

ClientSampleId :

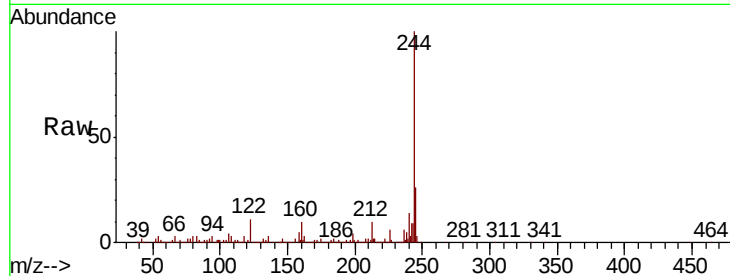
Tot Ion:184 Resp: 54286

Ion Ratio Lower Upper

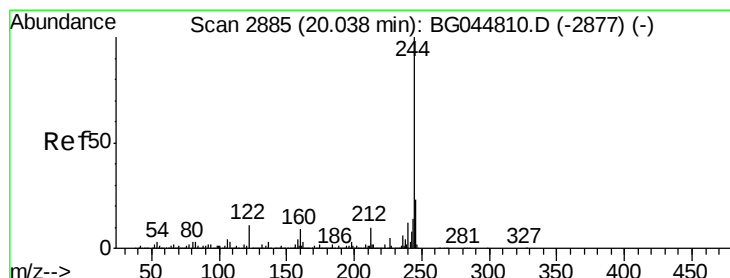
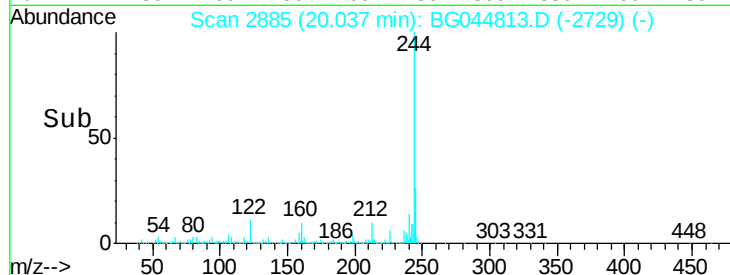
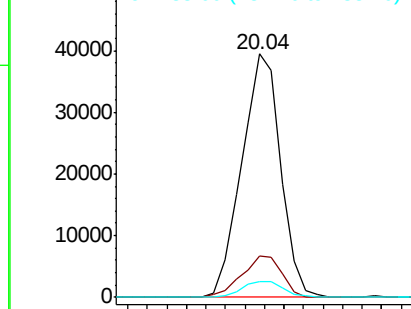
184 100

185 16.8 12.2 18.4

183 6.4 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: 81.773 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG044813.D

Acq: 16 Mar 2020 15:00

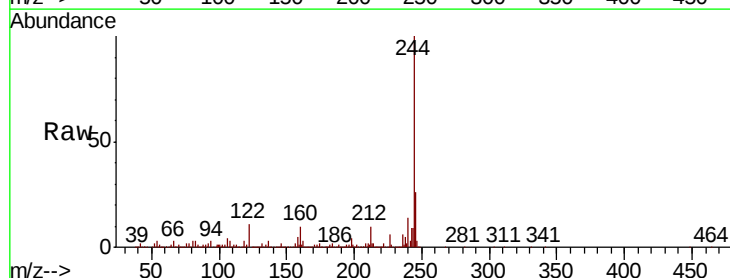
Tgt Ion:244 Resp: 2630153

Ion Ratio Lower Upper

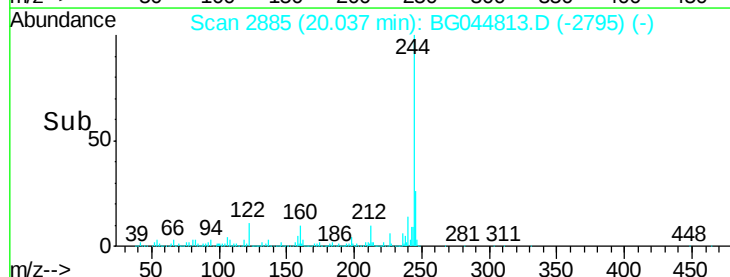
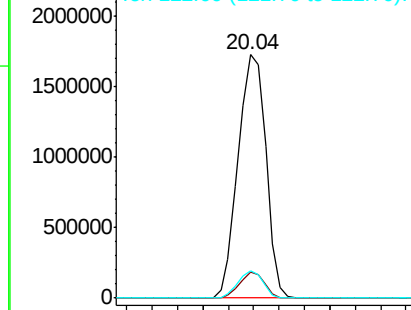
244 100

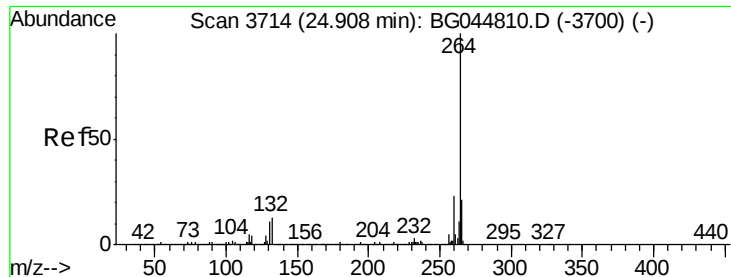
212 10.5 7.7 11.5

122 11.4 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: 24.91 min Scan# 3714
Delta R.T. -0.00 min
Lab File: BG044813.D
Acq: 16 Mar 2020 15:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.1	27.1
265	21.7	17.1	25.7

