

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031820\
 Data File : BG044883.D
 Acq On : 19 Mar 2020 3:45
 Operator : CG/JU
 Sample : L1920-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F-1

Quant Time: Mar 19 06:52:24 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	71182	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	275624	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	181917	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	437758	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	479770	20.00	ng	-0.02
87) Perylene-d12	24.89	264	515412	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	515763	112.79	ng	0.00
7) Phenol-d6	7.20	99	718354	108.13	ng	0.00
23) Nitrobenzene-d5	9.20	82	469762	74.79	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	311421	130.74	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	999294	78.66	ng	0.00
79) Terphenyl-d14	20.03	244	1756905	68.50	ng	0.00

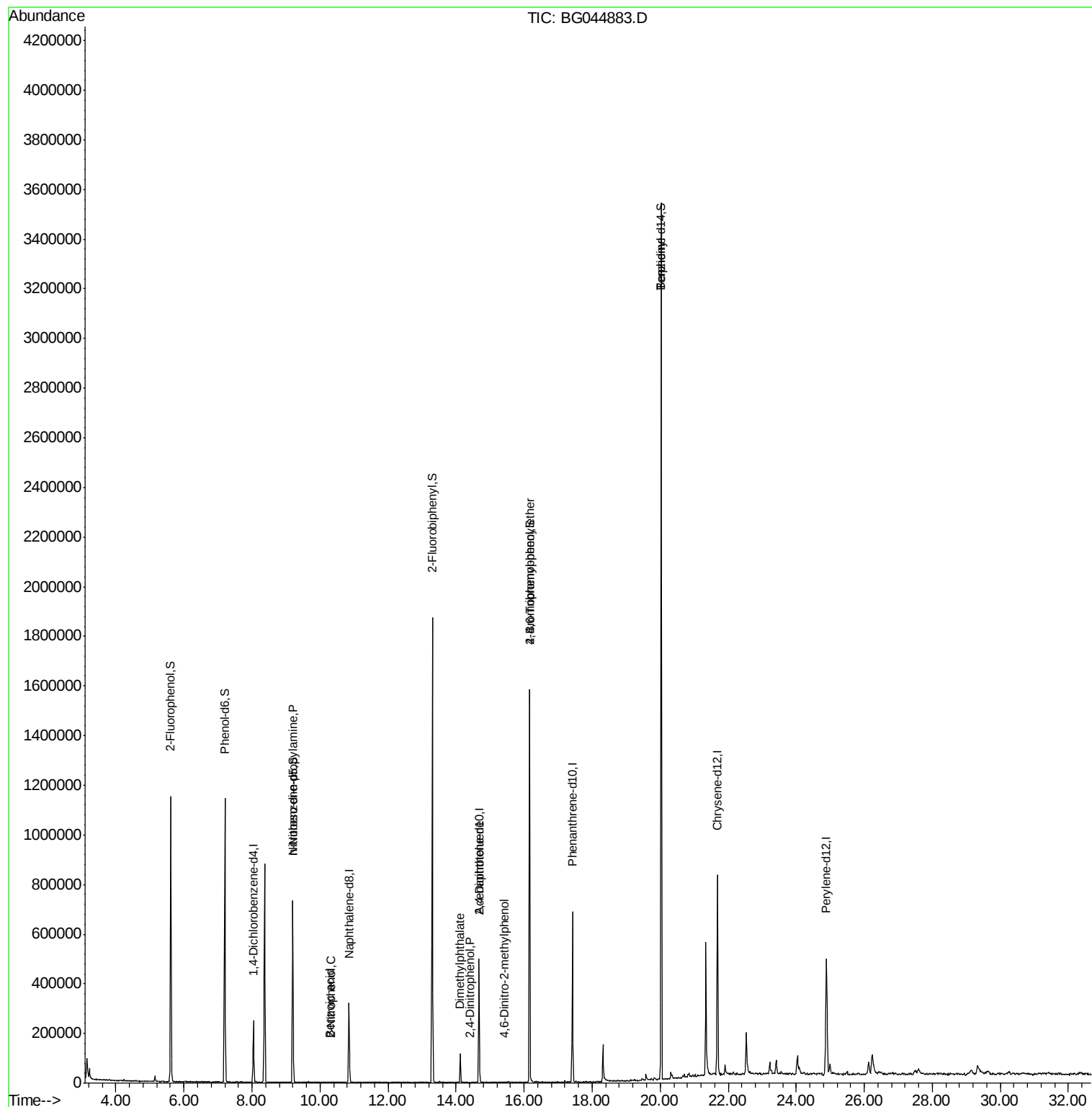
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	1497	Below Cal	#	17
19) n-Nitroso-di-n-propylamine	9.20	70	61880	13.19	ng	# 79
26) 2-Nitrophenol	10.33	139	65	5.54	ng	# 28
32) Benzoic acid	10.30	122	60	9.69	ng	# 1
50) Dimethylphthalate	14.12	163	80222	5.54	ng	98
54) 2,4-Dinitrophenol	14.39	184	96	8.38	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	23931	5.97	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.42	198	71	7.76	ng	# 33
67) 4-Bromophenyl-phenylether	16.16	248	21947	4.01	ng	# 1
77) Benzidine	20.03	184	32346	2.08	ng	# 88

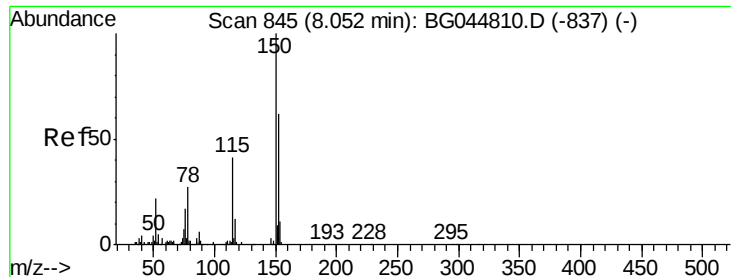
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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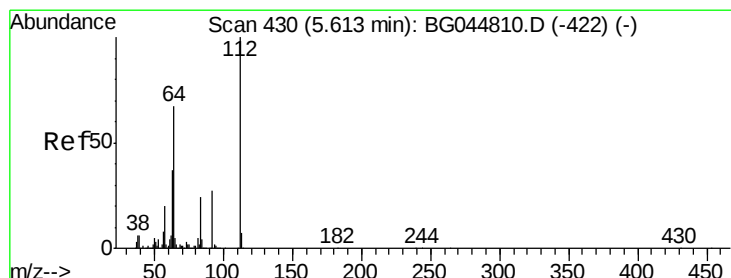
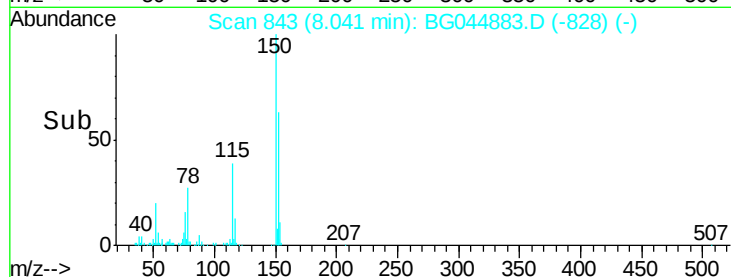
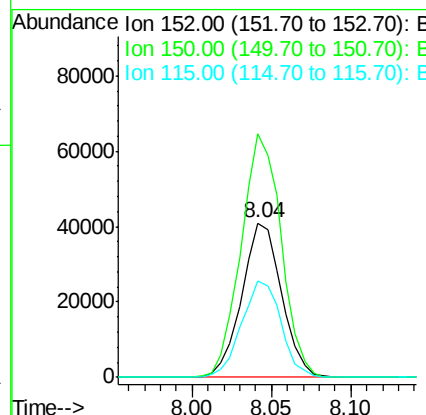
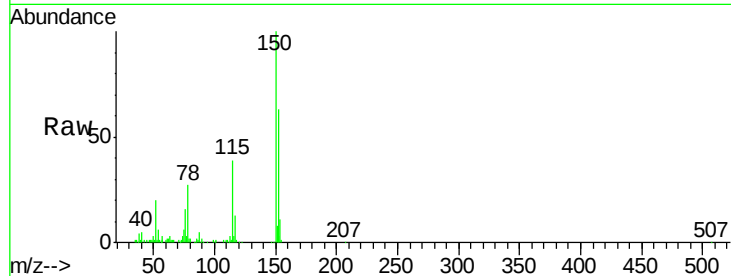


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

Instrument :
BNA_G
ClientSampleId :
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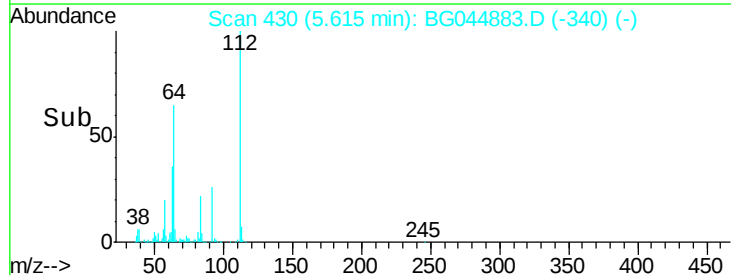
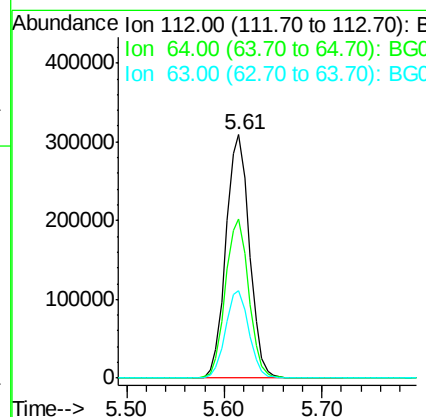
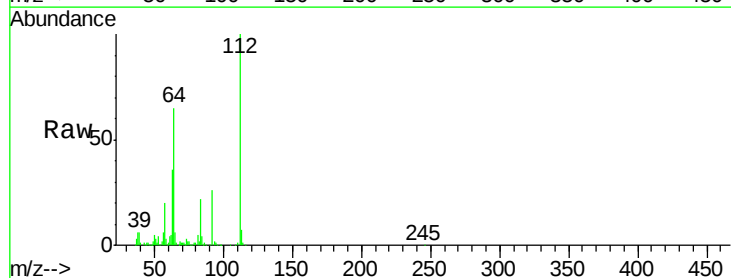
Tgt Ion:152 Resp: 71182
Ion Ratio Lower Upper
152 100
150 158.1 128.8 193.2
115 62.4 52.6 79.0

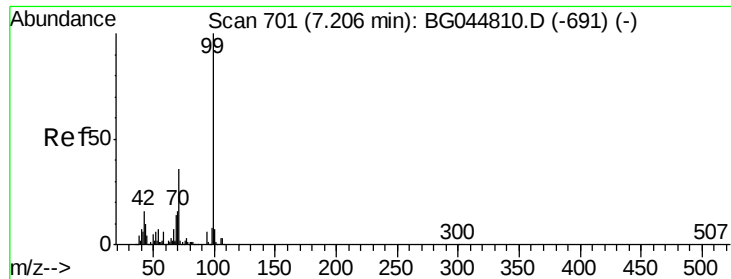


#5

2-Fluorophenol
Concen: 112.79 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

Tgt Ion:112 Resp: 515763
Ion Ratio Lower Upper
112 100
64 65.3 53.4 80.2
63 35.8 29.4 44.2





#7

Phenol-d6

Concen: 108.13 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044883.D

Acq: 19 Mar 2020 3:45

Instrument :

BNA_G

ClientSampleId :

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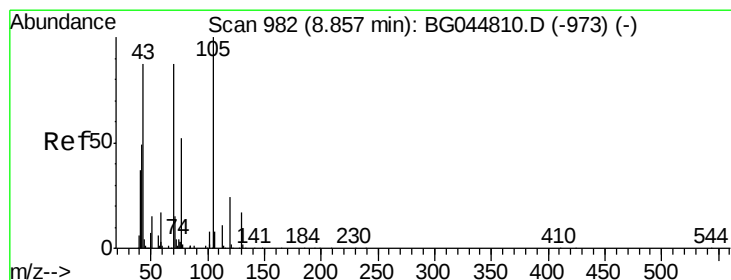
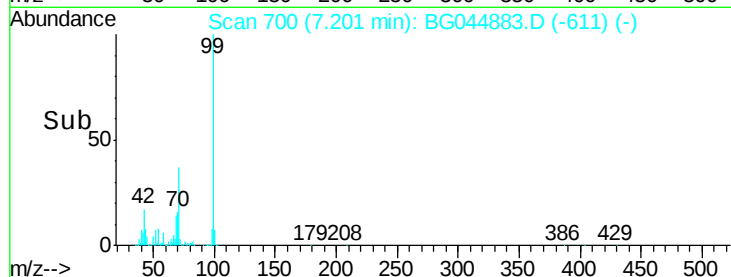
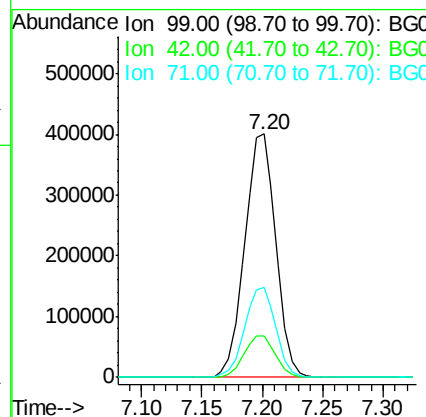
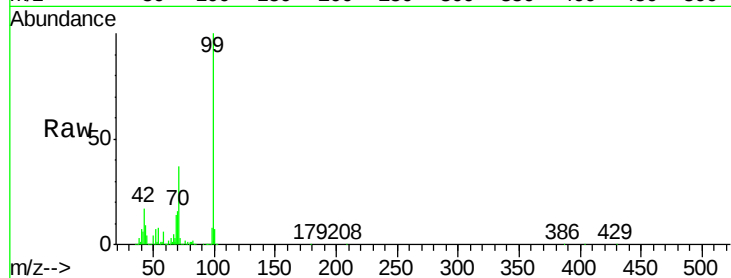
Tgt Ion: 99 Resp: 718354

Ion Ratio Lower Upper

99 100

42 16.8 12.6 19.0

71 36.9 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.19 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044883.D

Acq: 19 Mar 2020 3:45

Tgt Ion: 70 Resp: 61880

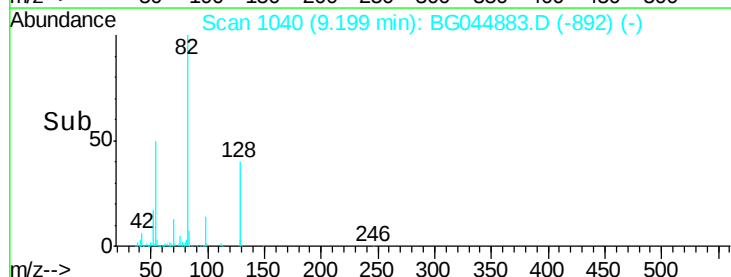
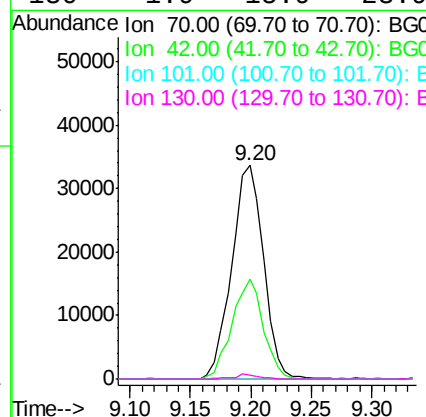
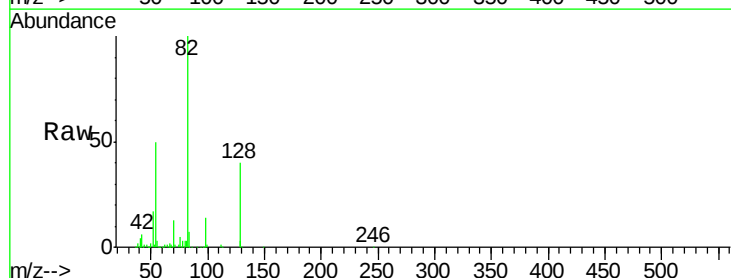
Ion Ratio Lower Upper

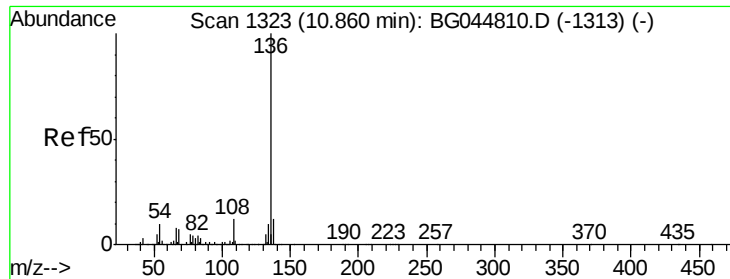
70 100

42 46.9 45.7 68.5

101 0.0 7.4 11.2#

130 1.9 15.9 23.9#

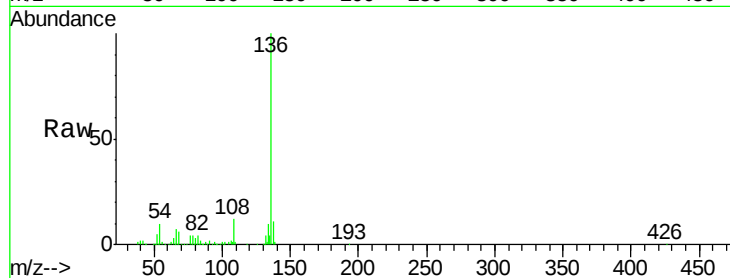




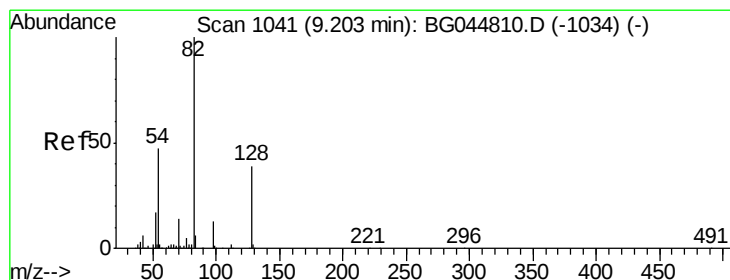
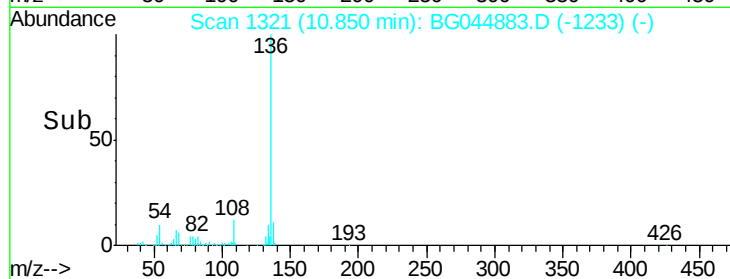
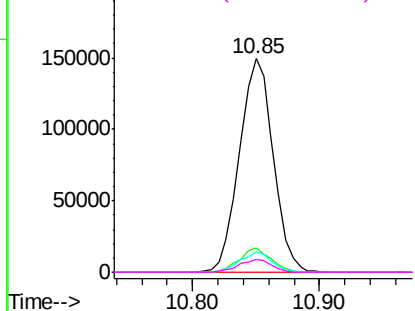
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:	136	Resp:	275624
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.8	14.6
54	9.6	7.9	11.9
68	6.1	5.4	8.0

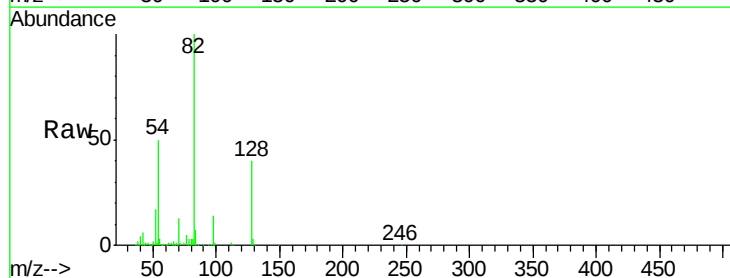


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

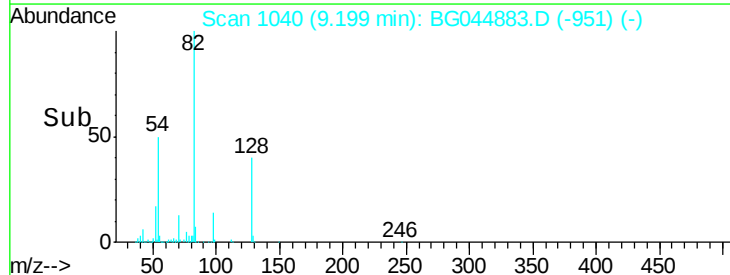
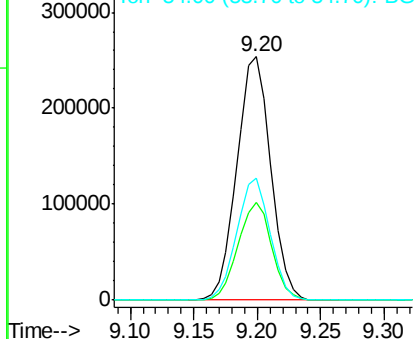


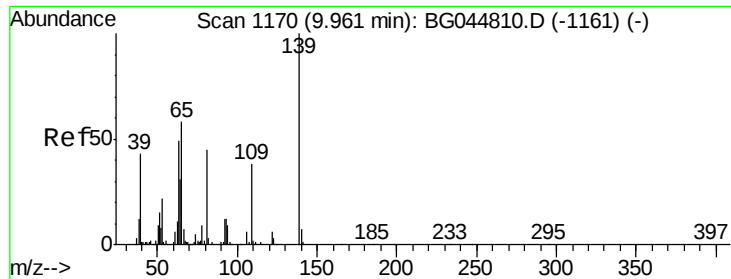
#23
Nitrobenzene-d5
Concen: 74.79 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

Tgt Ion:	82	Resp:	469762
Ion	Ratio	Lower	Upper
82	100		
128	40.3	30.6	46.0
54	49.9	37.1	55.7



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

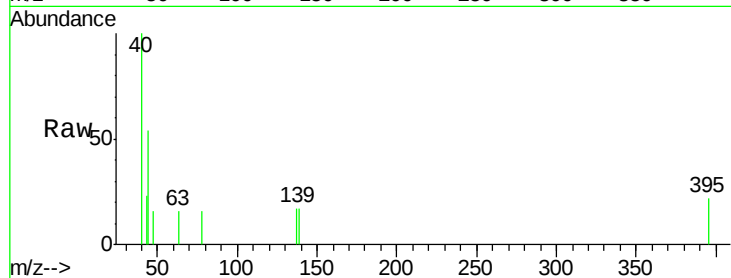




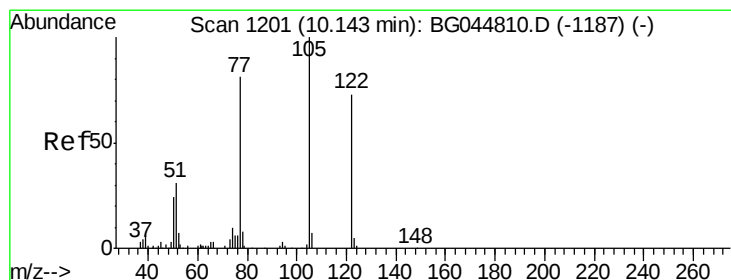
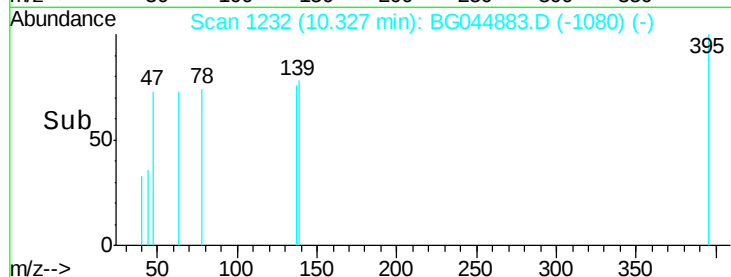
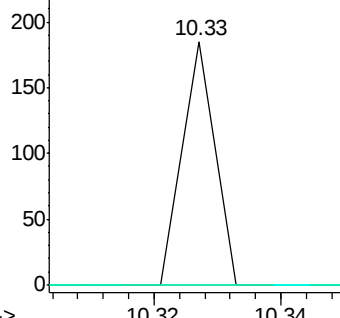
#26
2-Nitrophenol
Concen: 5.54 ng
RT: 10.33 min Scan# 1232
Delta R.T. 0.37 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

Instrument :
BNA_G
ClientSampleId :
F-1

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

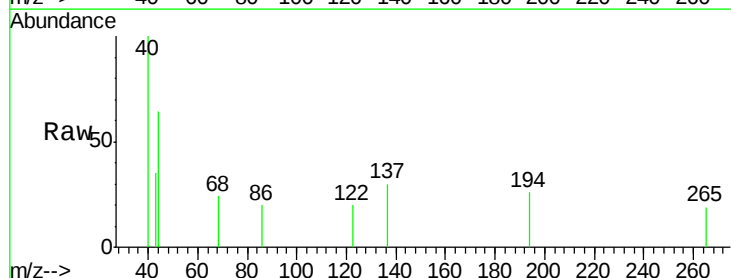


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

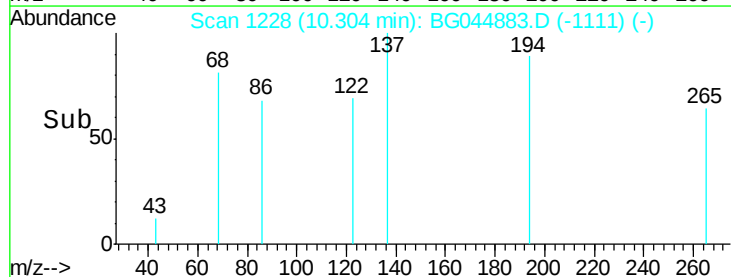
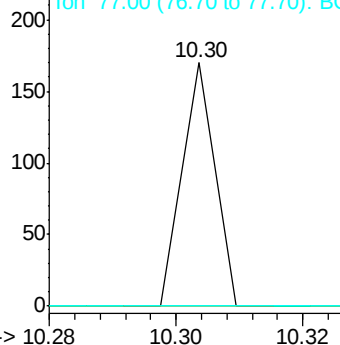


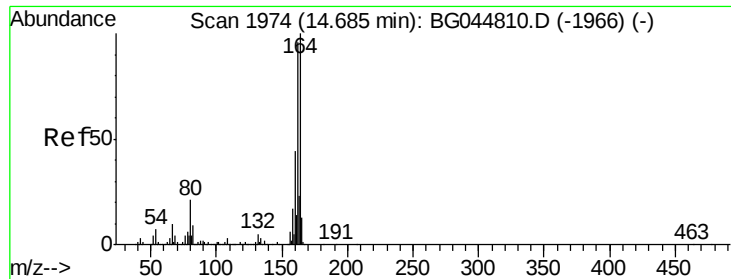
#32
Benzoic acid
Concen: 9.69 ng
RT: 10.30 min Scan# 1228
Delta R.T. 0.16 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

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





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044883.D

Acq: 19 Mar 2020 3:45

Instrument :

BNA_G

ClientSampleId :

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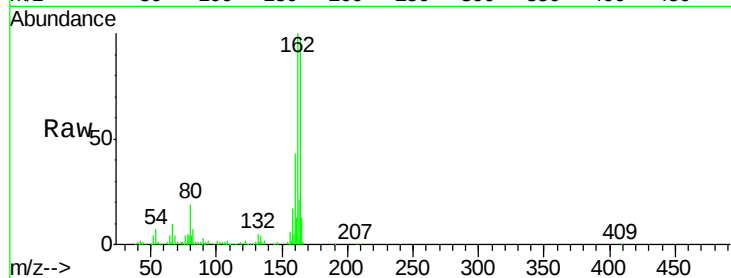
Tgt Ion:164 Resp: 181917

Ion Ratio Lower Upper

164 100

162 103.1 76.7 115.1

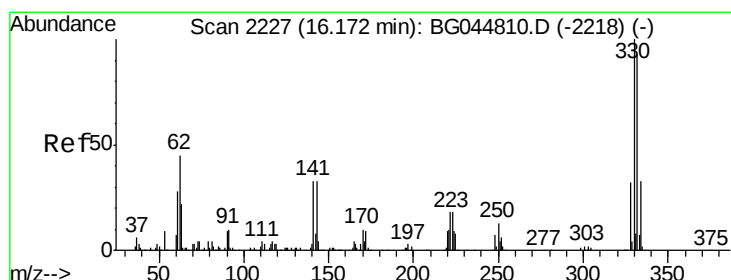
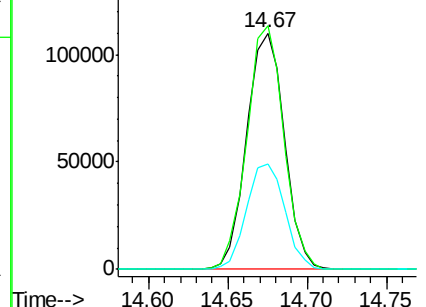
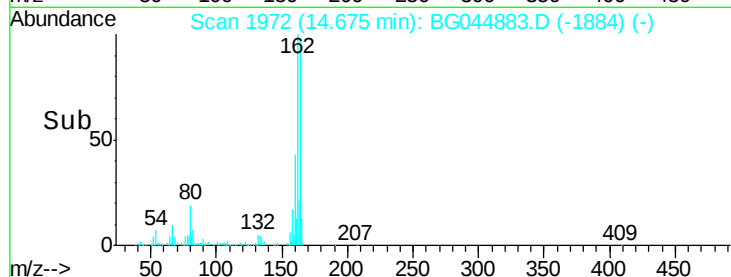
160 44.7 35.0 52.4



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: 130.74 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044883.D

Acq: 19 Mar 2020 3:45

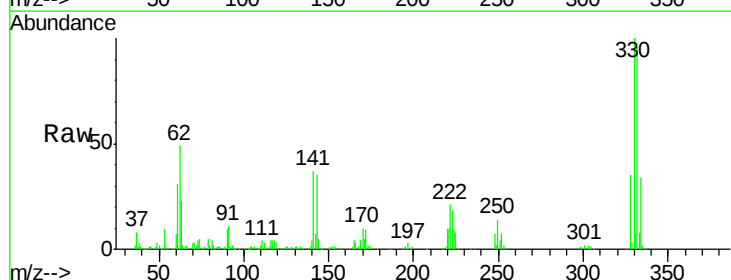
Tgt Ion:330 Resp: 311421

Ion Ratio Lower Upper

330 100

332 97.4 77.8 116.6

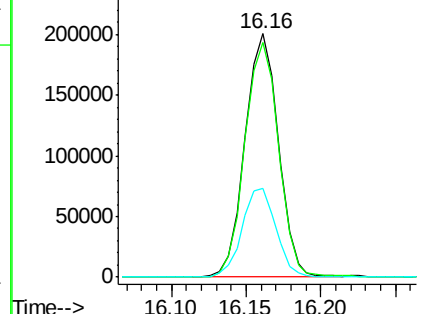
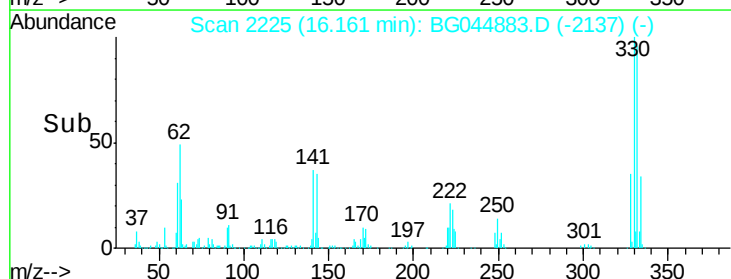
141 37.1 29.5 44.3

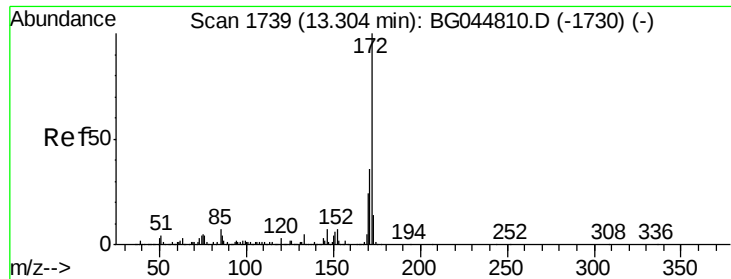


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 78.66 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.00 min

Lab File: BG044883.D

Acq: 19 Mar 2020 3:45

Instrument :

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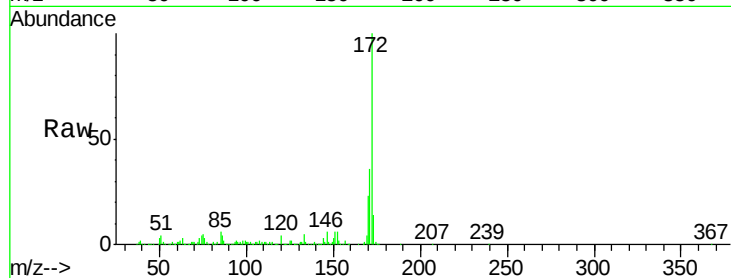
Tgt Ion:172 Resp: 999294

Ion Ratio Lower Upper

172 100

171 36.4 28.7 43.1

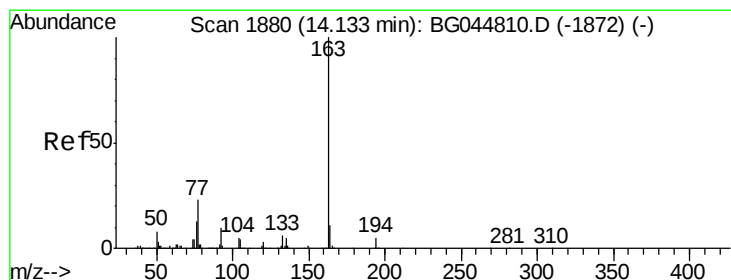
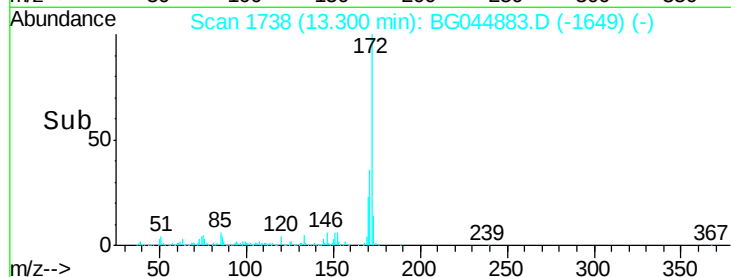
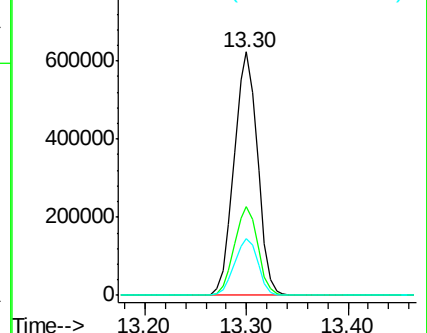
170 23.2 19.0 28.6



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: 5.54 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG044883.D

Acq: 19 Mar 2020 3:45

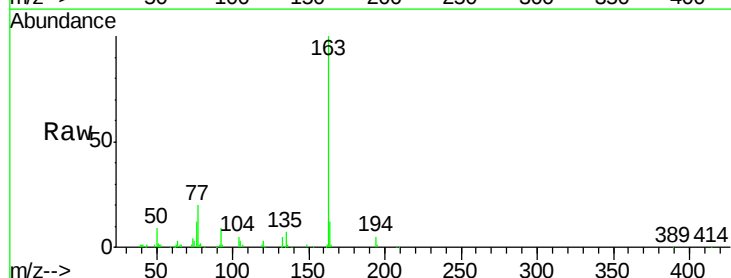
Tgt Ion:163 Resp: 80222

Ion Ratio Lower Upper

163 100

194 4.8 3.7 5.5

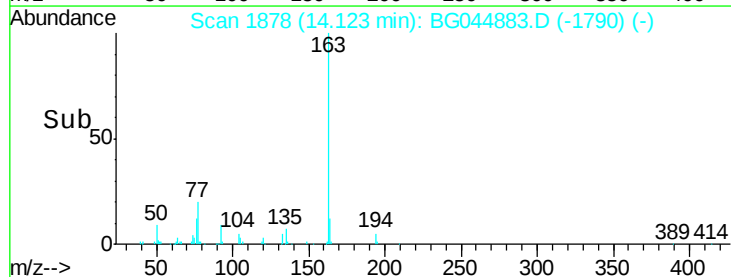
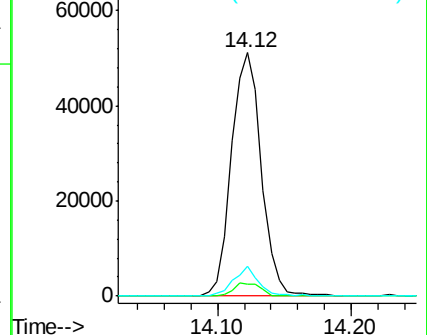
164 12.3 9.1 13.7

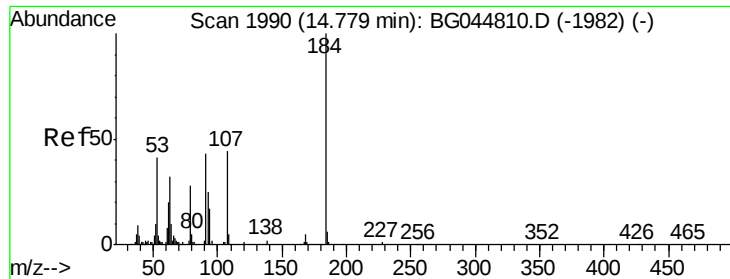


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

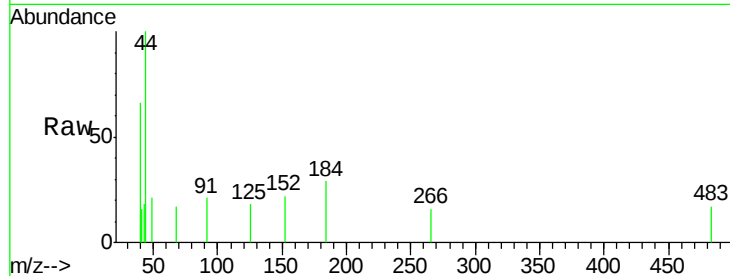




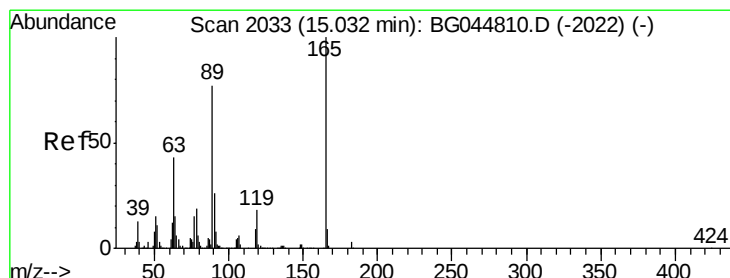
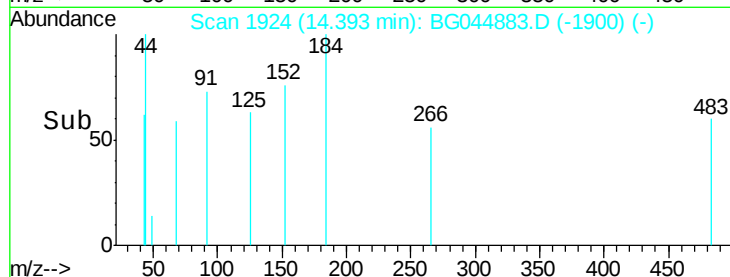
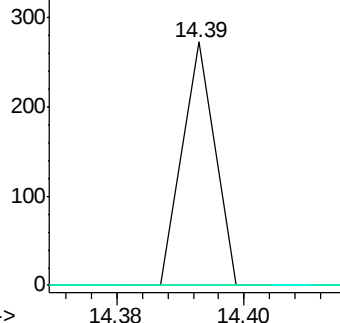
#54
2,4-Dinitrophenol
Concen: 8.38 ng
RT: 14.39 min Scan# 1924
Delta R.T. -0.39 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:184 Resp: 96
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#

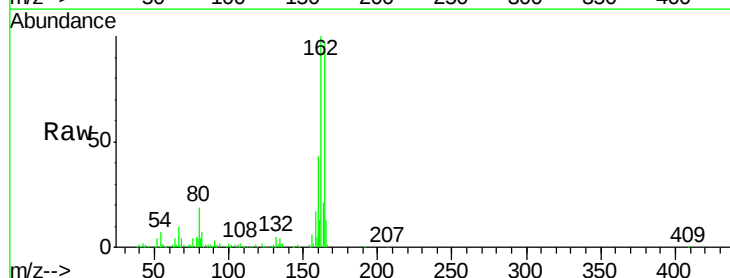


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

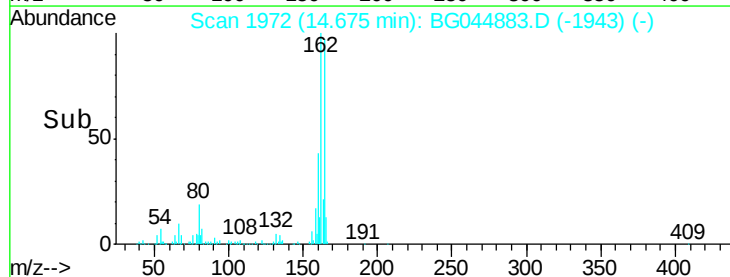
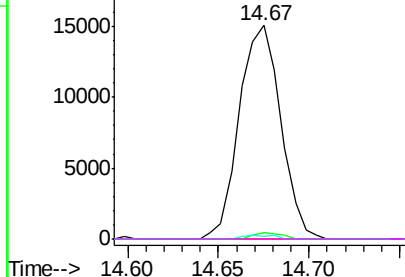


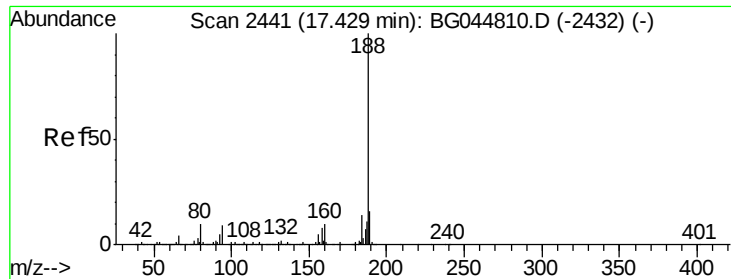
#57
2,4-Dinitrotoluene
Concen: 5.97 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

Tgt Ion:165 Resp: 23931
Ion Ratio Lower Upper
165 100
63 3.3 34.6 52.0#
89 1.2 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): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044883.D

Acq: 19 Mar 2020 3:45

Instrument :

BNA_G

ClientSampleId :

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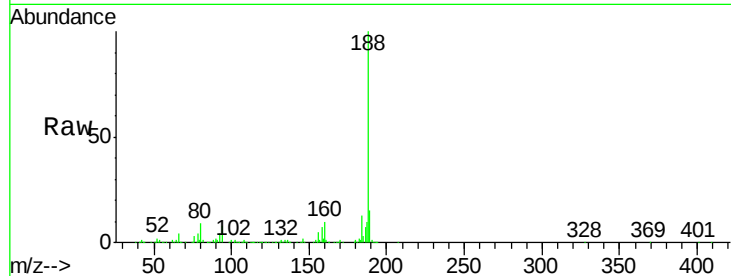
Tgt Ion:188 Resp: 437758

Ion Ratio Lower Upper

188 100

94 7.8 7.3 10.9

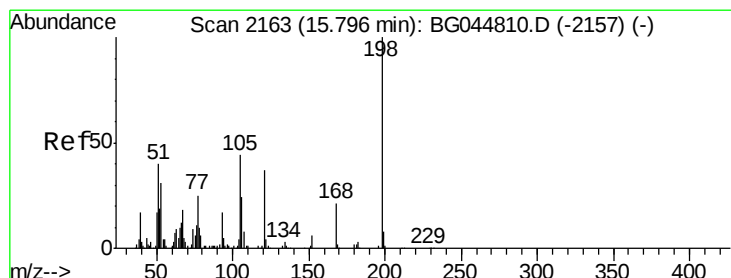
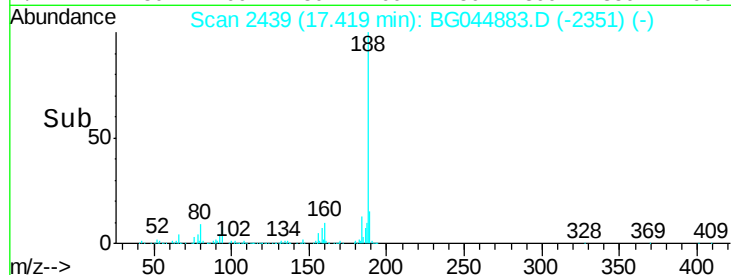
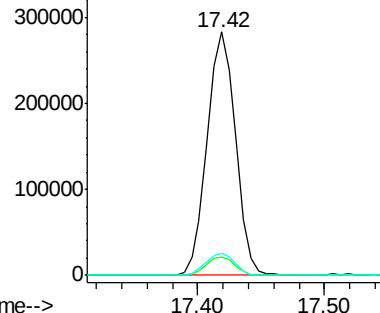
80 9.3 8.0 12.0



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: 7.76 ng

RT: 15.42 min Scan# 2098

Delta R.T. -0.38 min

Lab File: BG044883.D

Acq: 19 Mar 2020 3:45

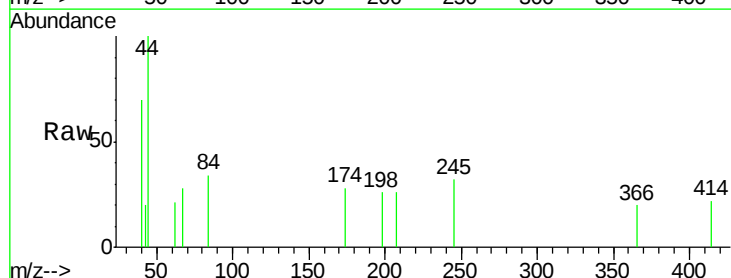
Tgt Ion:198 Resp: 71

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

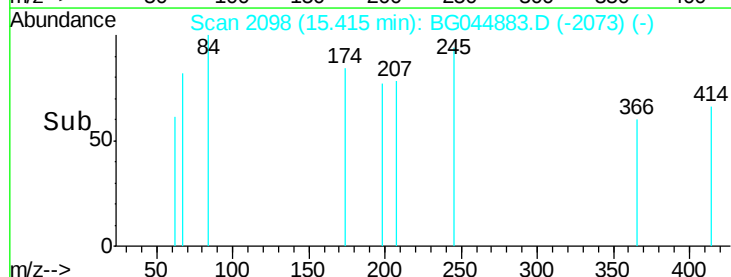
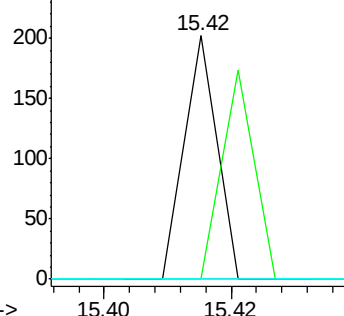
105 0.0 24.5 64.5#

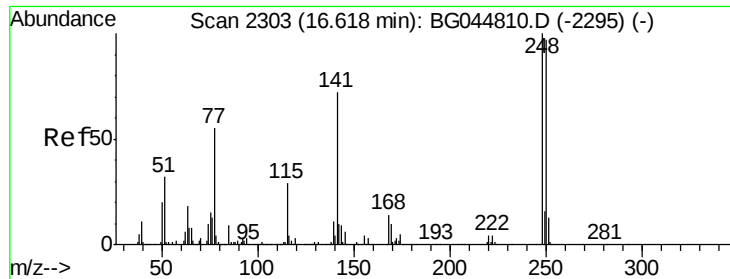


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

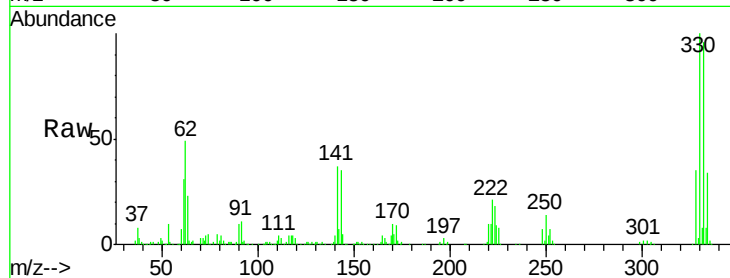




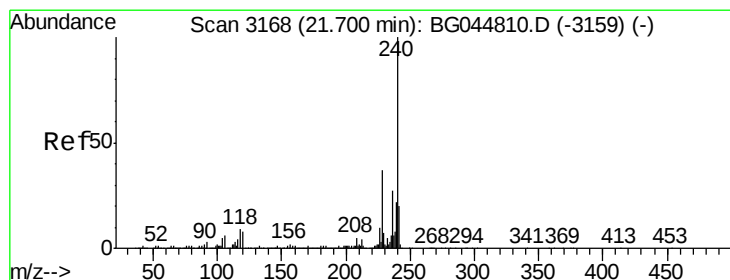
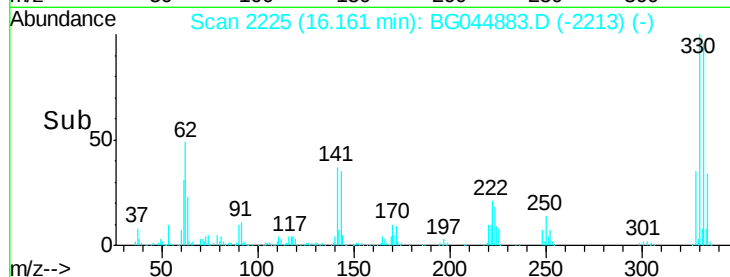
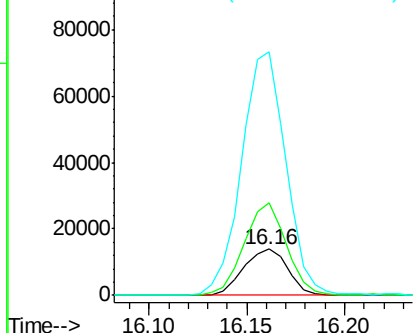
#67
4-Bromophenyl-phenylether
Concen: 4.01 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.46 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:248 Resp: 21947
Ion Ratio Lower Upper
248 100
250 201.6 77.9 116.9#
141 530.7 57.5 86.3#

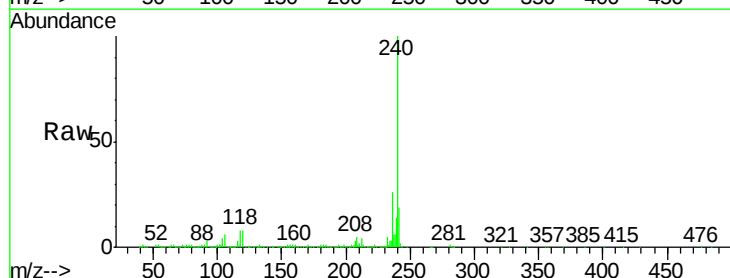


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

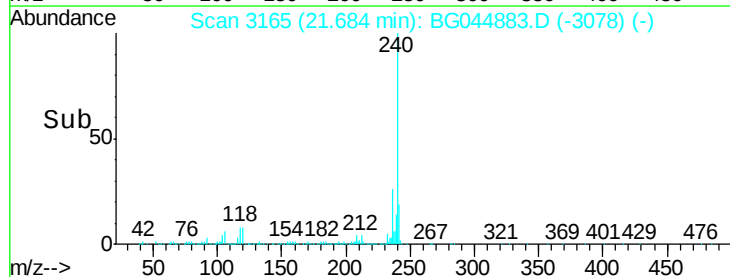
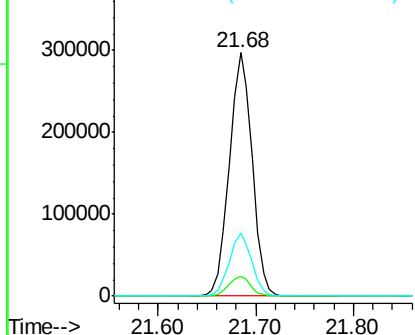


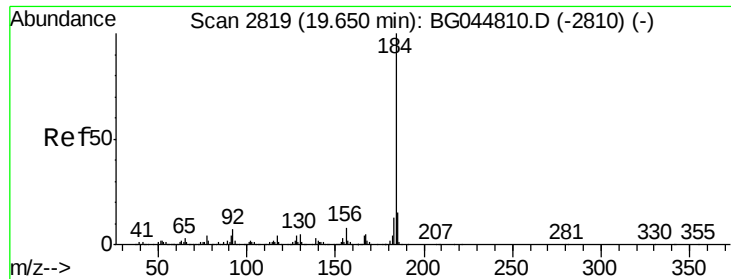
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

Tgt Ion:240 Resp: 479770
Ion Ratio Lower Upper
240 100
120 8.3 6.7 10.1
236 25.9 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

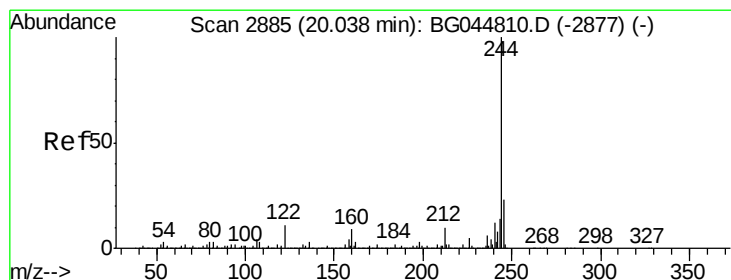
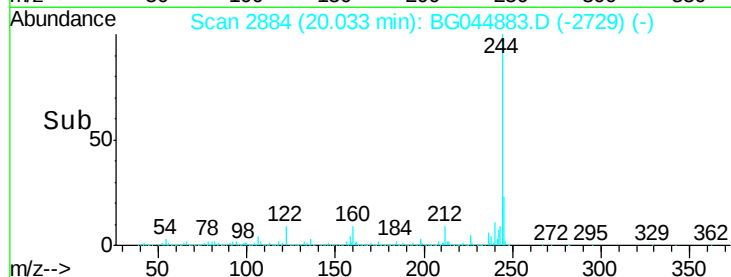
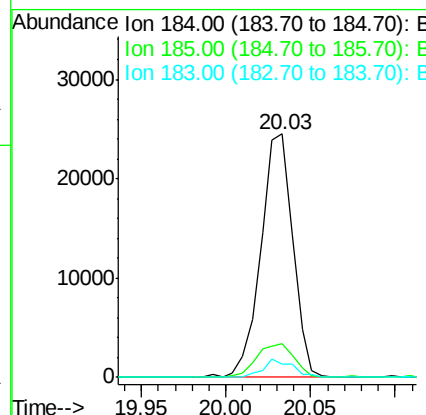
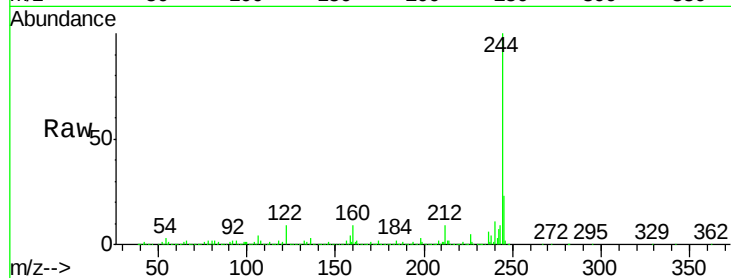




#77
Benzidine
Concen: 2.08 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.38 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

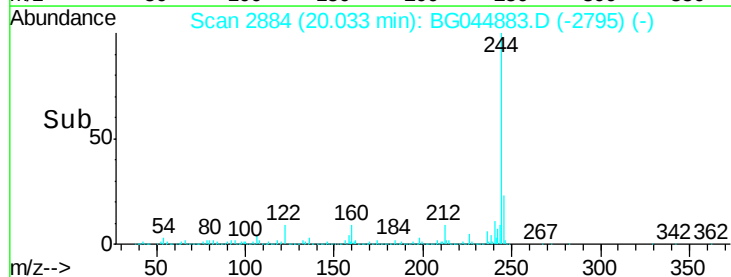
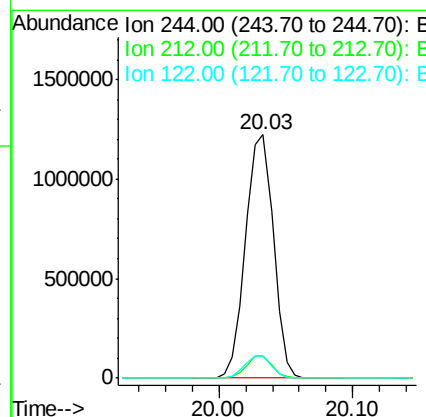
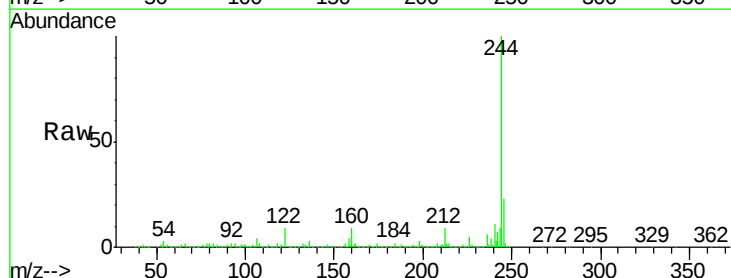
Instrument :
BNA_G
ClientSampleId :
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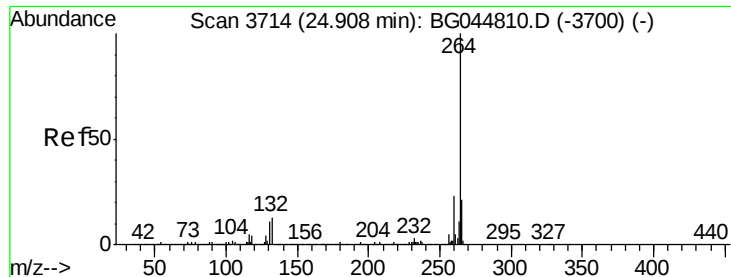
Tgt Ion:184 Resp: 32346
Ion Ratio Lower Upper
184 100
185 13.6 12.2 18.4
183 5.3 10.7 16.1#



#79
Terphenyl-d14
Concen: 68.50 ng
RT: 20.03 min Scan# 2884
Delta R.T. -0.00 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

Tgt Ion:244 Resp: 1756905
Ion Ratio Lower Upper
244 100
212 8.9 7.7 11.5
122 8.9 8.6 12.8

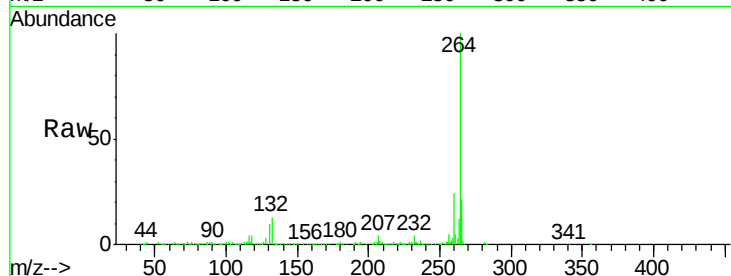




#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044883.D
Acq: 19 Mar 2020 3:45

Instrument :
BNA_G
ClientSampleId :
F-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.1	27.1
265	21.1	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

