

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031820\
 Data File : BG044879.D
 Acq On : 19 Mar 2020 1:07
 Operator : CG/JU
 Sample : L1942-25
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5-DA

Quant Time: Mar 19 03:44:57 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	80683	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	306915	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	206360	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	491957	20.00	ng	0.00
76) Chrysene-d12	21.68	240	508364	20.00	ng	-0.02
87) Perylene-d12	24.89	264	533092	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	580141	111.93	ng	0.00
7) Phenol-d6	7.20	99	818025	108.63	ng	0.00
23) Nitrobenzene-d5	9.20	82	542293	77.53	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	358789	132.79	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1166660	80.96	ng	0.00
79) Terphenyl-d14	20.03	244	1986881	73.11	ng	0.00

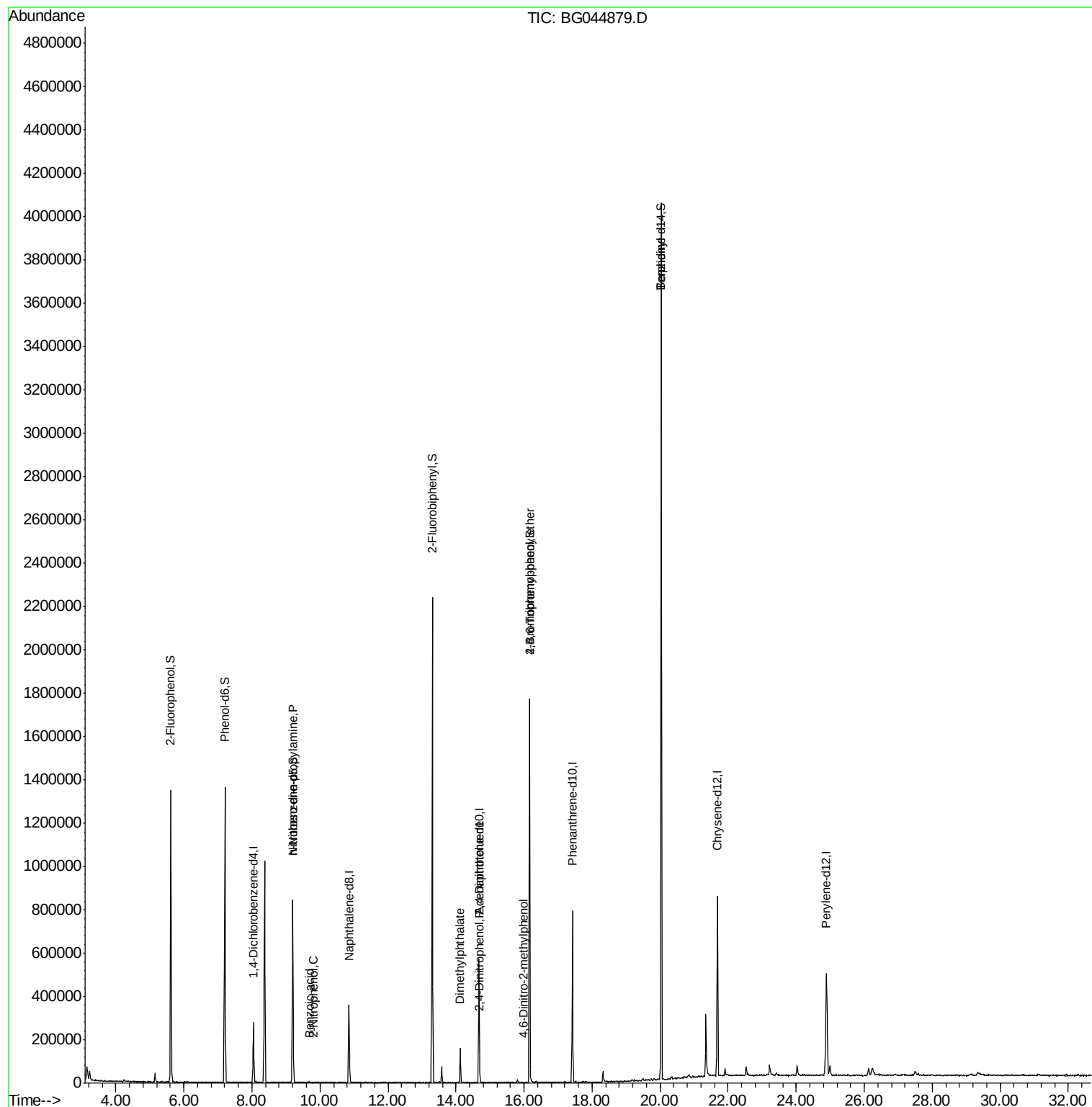
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1653	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	71915	13.52	ng	78
26) 2-Nitrophenol	9.80	139	54	5.53	ng	28
32) Benzoic acid	9.70	122	53	9.68	ng	1
50) Dimethylphthalate	14.12	163	108130	6.58	ng	97
54) 2,4-Dinitrophenol	14.70	184	56	8.35	ng	21
57) 2,4-Dinitrotoluene	14.68	165	27390	6.03	ng	23
65) 4,6-Dinitro-2-methylphenol	15.97	198	54	7.75	ng	33
67) 4-Bromophenyl-phenylether	16.16	248	25158	4.09	ng	1
77) Benzidine	20.03	184	38168	2.31	ng	90

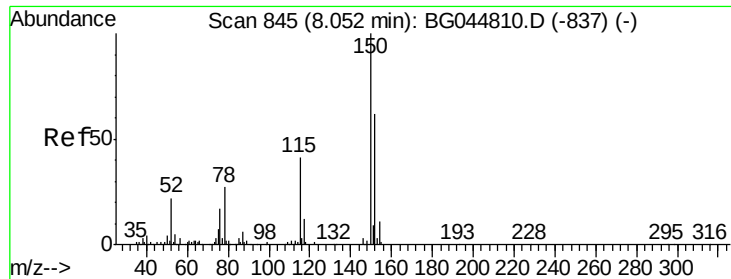
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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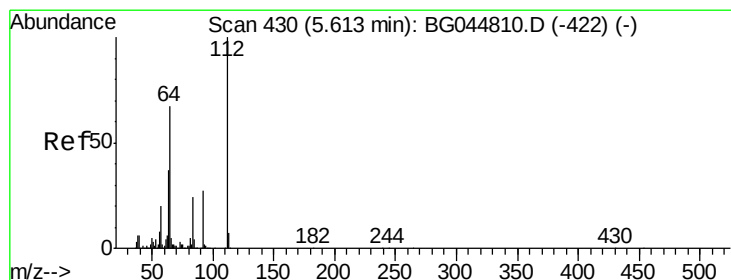
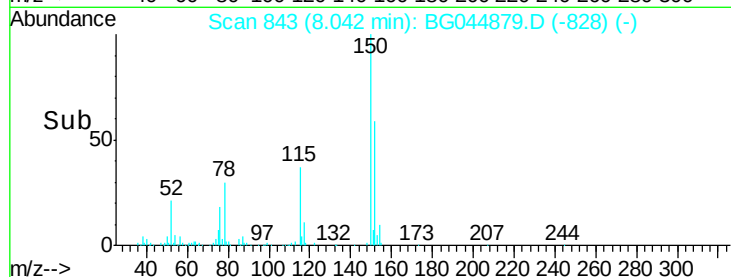
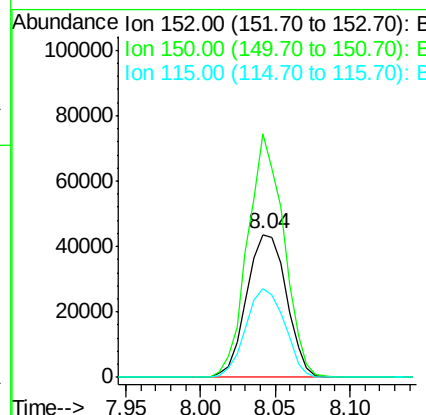
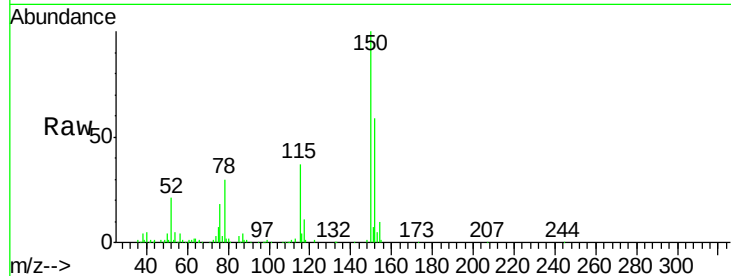


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044879.D
Acq: 19 Mar 2020 1:07

Instrument :
BNA_G
ClientSampleId :
TP-5-DA

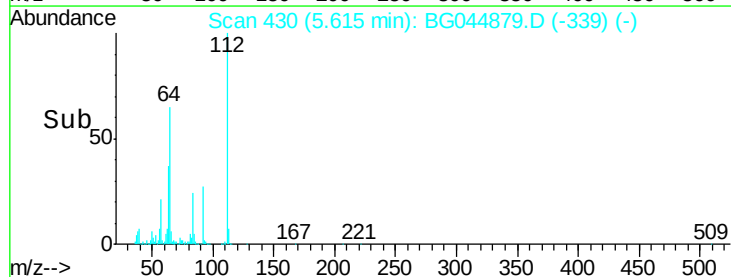
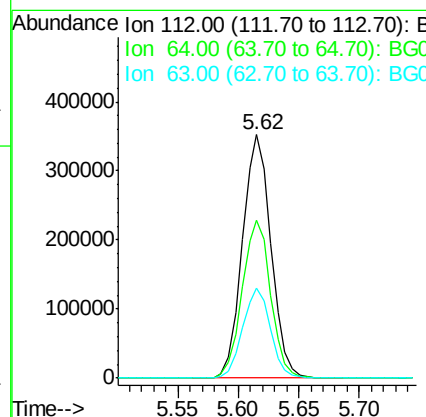
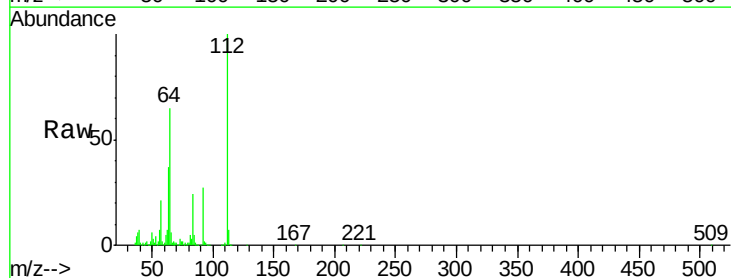
Tgt Ion	Ratio	Lower	Upper
152	100		
150	170.9	128.8	193.2
115	62.6	52.6	79.0

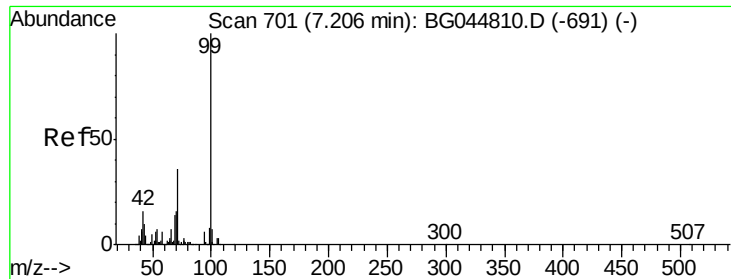


#5

2-Fluorophenol
Concen: 111.93 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044879.D
Acq: 19 Mar 2020 1:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	53.4	80.2
63	37.1	29.4	44.2





#7

Phenol-d6

Concen: 108.63 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044879.D

Acq: 19 Mar 2020 1:07

Instrument :

BNA_G

ClientSampleId :

TP-5-DA

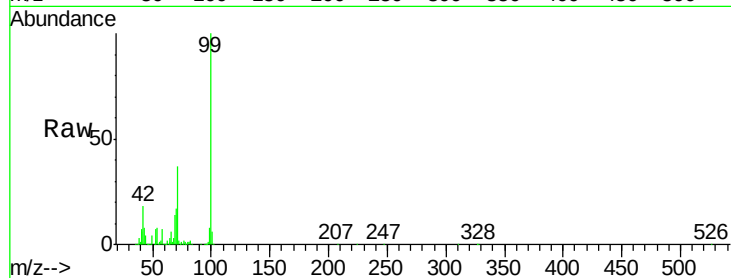
Tgt Ion: 99 Resp: 818025

Ion Ratio Lower Upper

99 100

42 17.6 12.6 19.0

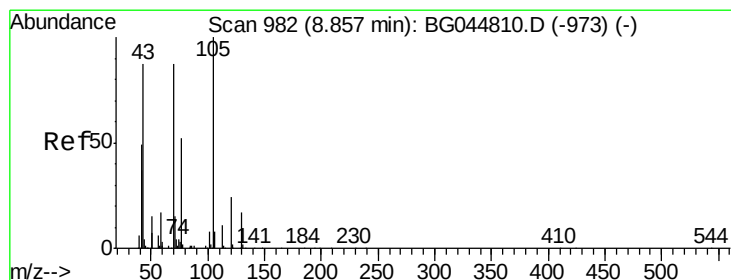
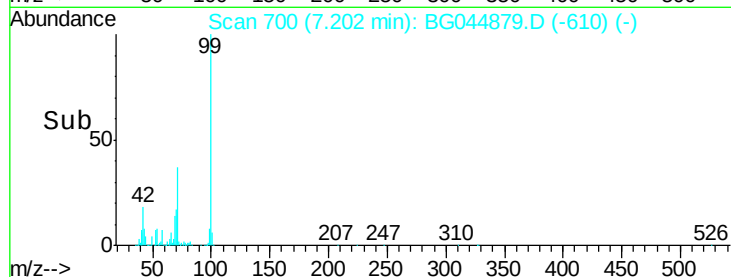
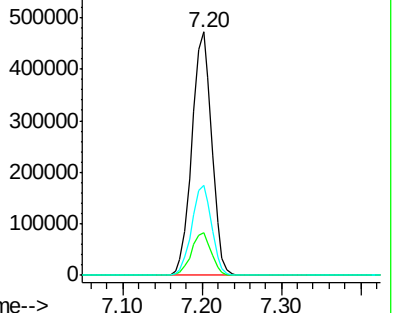
71 37.0 29.0 43.4



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: 13.52 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044879.D

Acq: 19 Mar 2020 1:07

Tgt Ion: 70 Resp: 71915

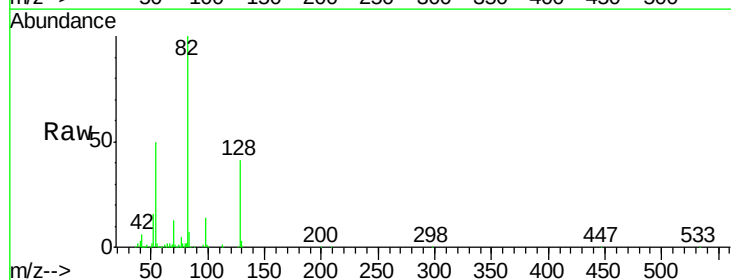
Ion Ratio Lower Upper

70 100

42 46.1 45.7 68.5

101 0.0 7.4 11.2#

130 2.1 15.9 23.9#

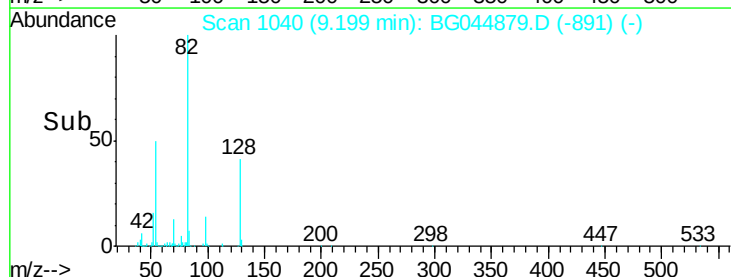
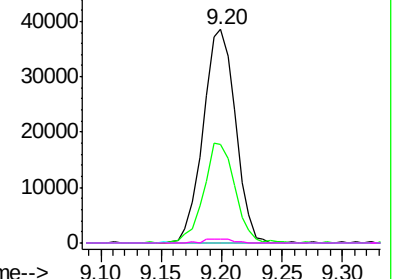


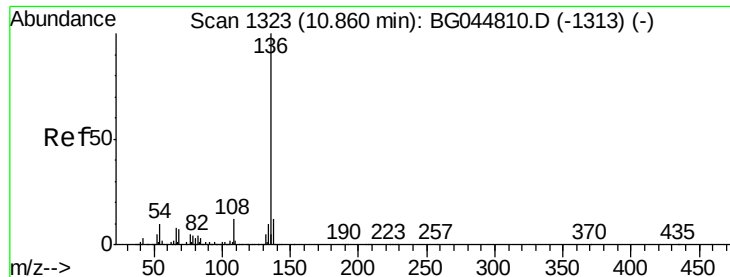
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

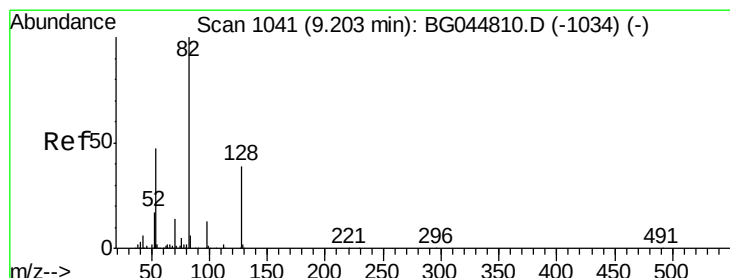
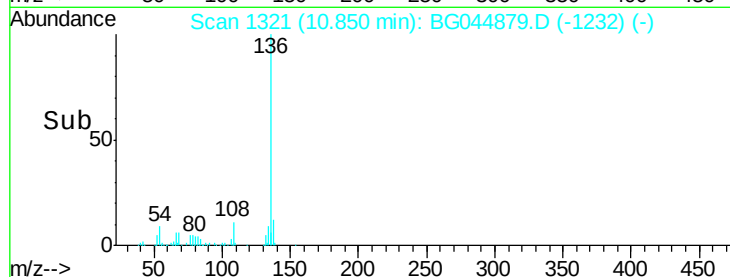
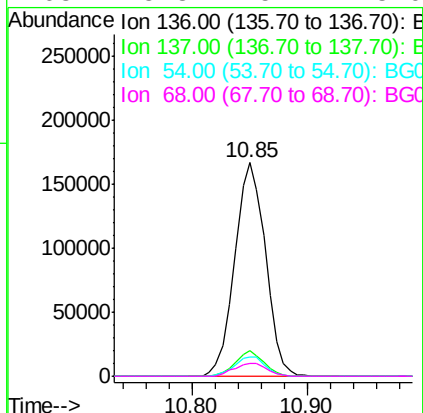
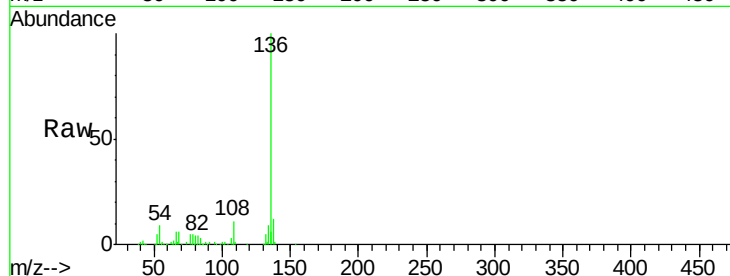




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044879.D
Acq: 19 Mar 2020 1:07

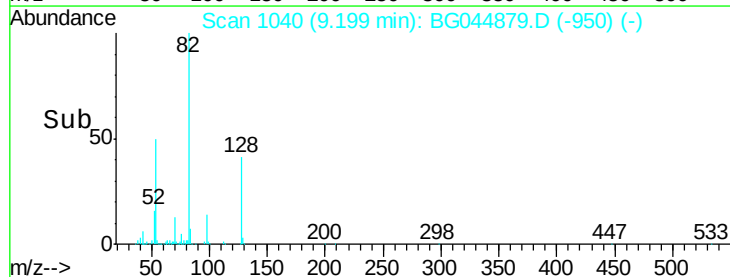
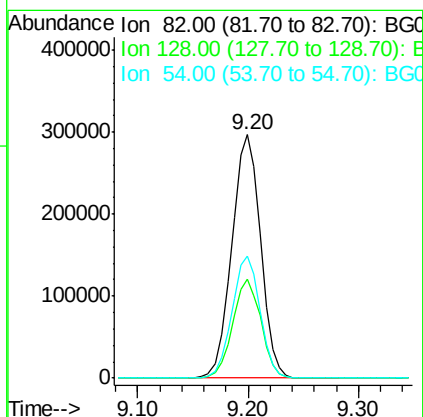
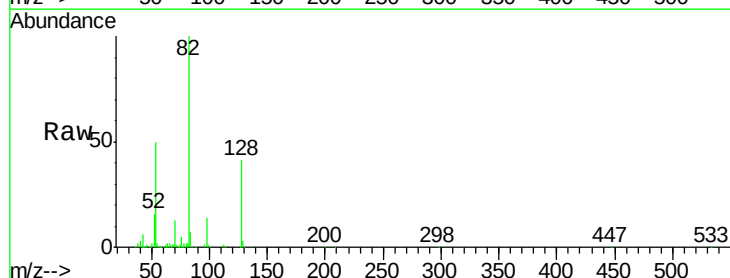
Instrument :
BNA_G
ClientSampleId :
TP-5-DA

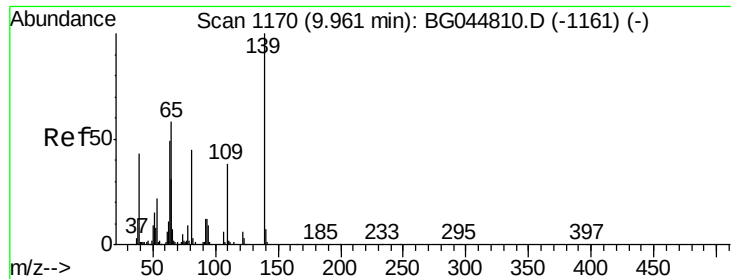
Tgt Ion:	136	Resp:	306915
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.6
54	9.1	7.9	11.9
68	5.8	5.4	8.0



#23
Nitrobenzene-d5
Concen: 77.53 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044879.D
Acq: 19 Mar 2020 1:07

Tgt Ion:	82	Resp:	542293
Ion	Ratio	Lower	Upper
82	100		
128	40.6	30.6	46.0
54	50.2	37.1	55.7

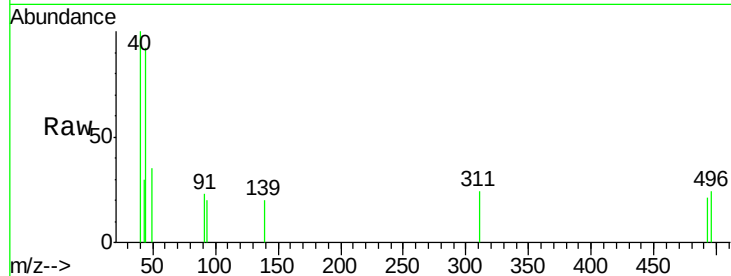




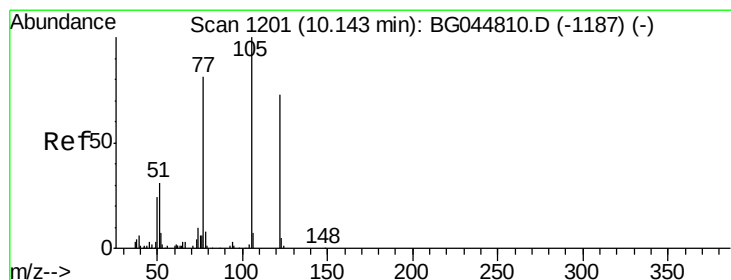
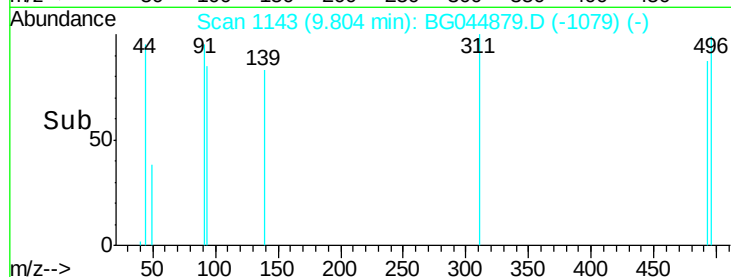
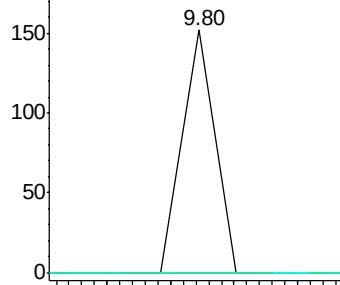
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.80 min Scan# 1143
Delta R.T. -0.16 min
Lab File: BG044879.D
Acq: 19 Mar 2020 1:07

Instrument :
BNA_G
ClientSampleId :
TP-5-DA

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

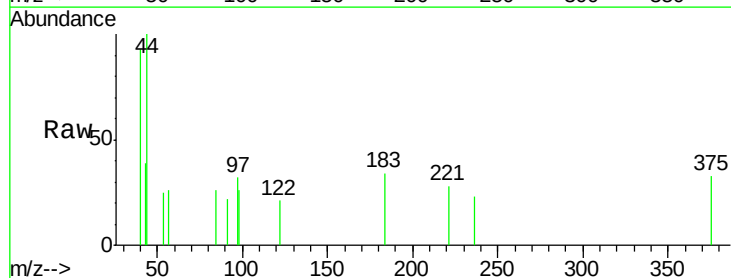


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

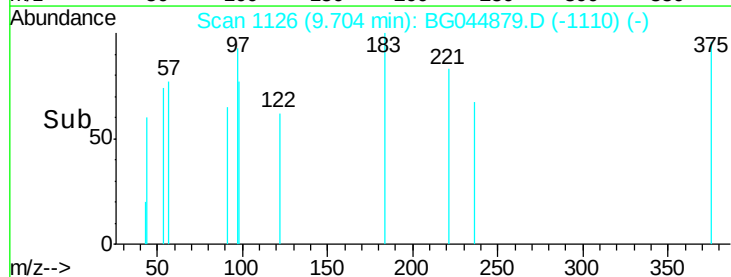
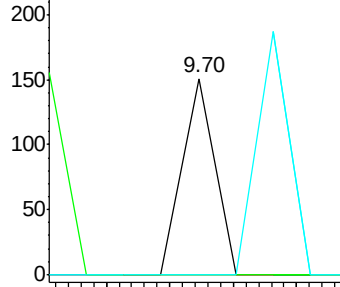


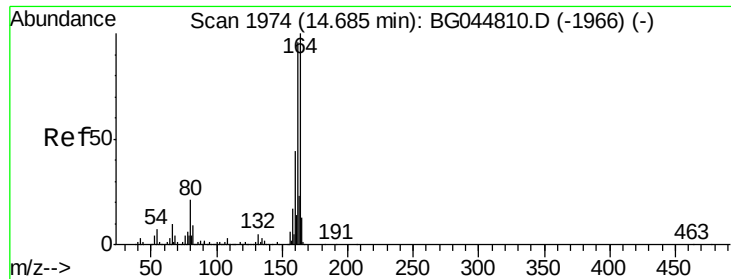
#32
Benzoic acid
Concen: 9.68 ng
RT: 9.70 min Scan# 1126
Delta R.T. -0.44 min
Lab File: BG044879.D
Acq: 19 Mar 2020 1:07

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: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044879.D

Acq: 19 Mar 2020 1:07

Instrument :

BNA_G

ClientSampleId :

TP-5-DA

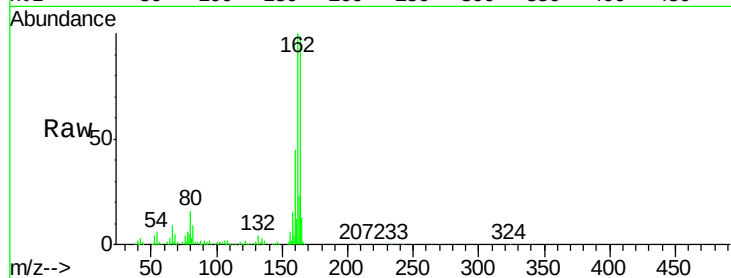
Tgt Ion:164 Resp: 206360

Ion Ratio Lower Upper

164 100

162 100.9 76.7 115.1

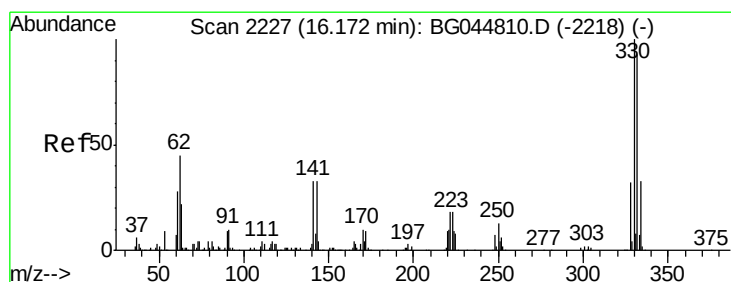
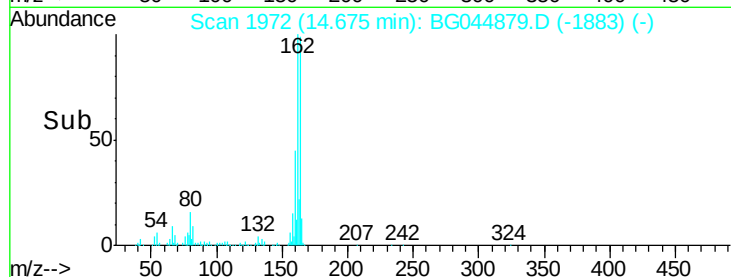
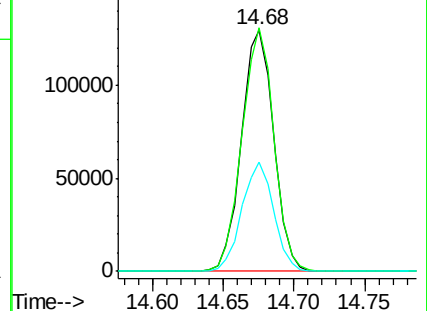
160 45.3 35.0 52.4



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: 132.79 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044879.D

Acq: 19 Mar 2020 1:07

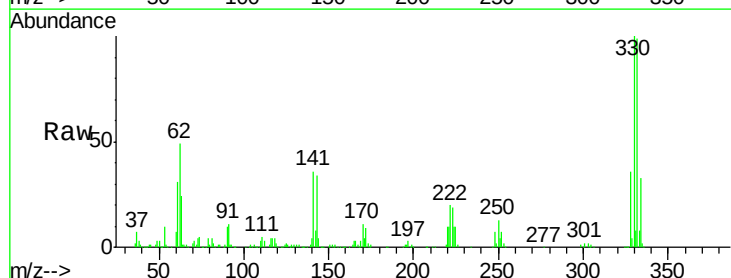
Tgt Ion:330 Resp: 358789

Ion Ratio Lower Upper

330 100

332 97.1 77.8 116.6

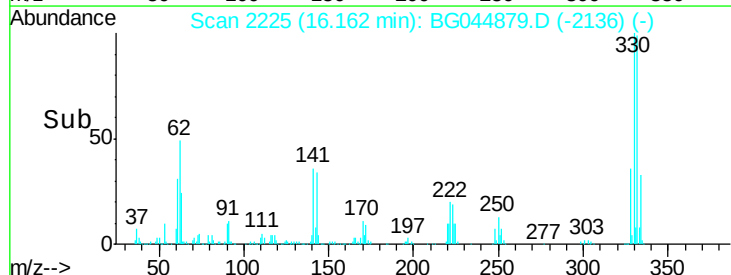
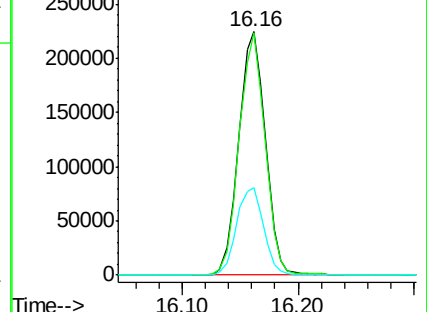
141 36.6 29.5 44.3

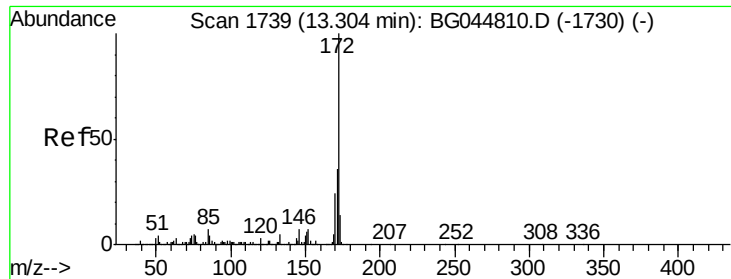


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

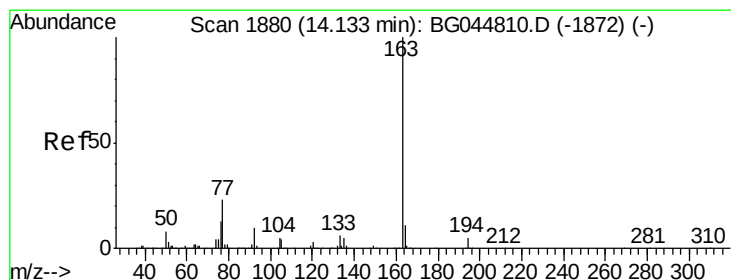
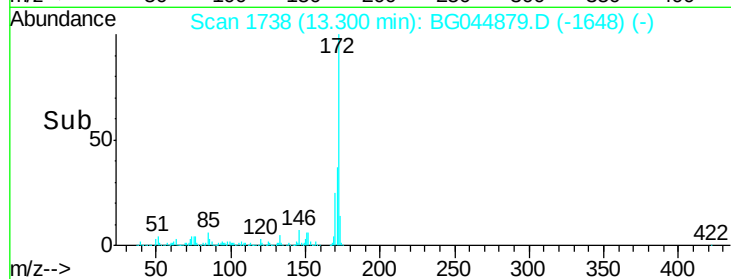
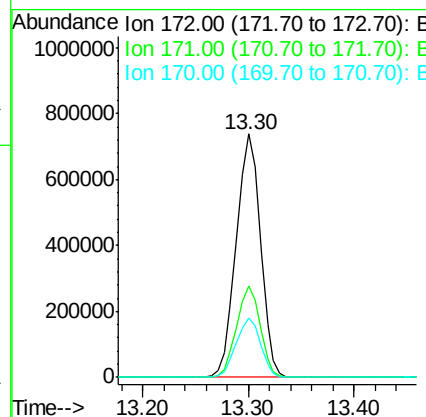
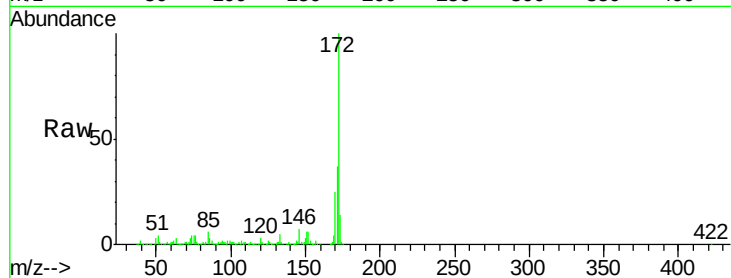




#45
 2-Fluorobiphenyl
 Concen: 80.96 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG044879.D
 Acq: 19 Mar 2020 1:07

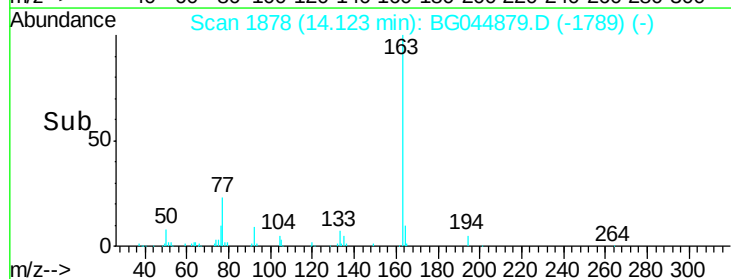
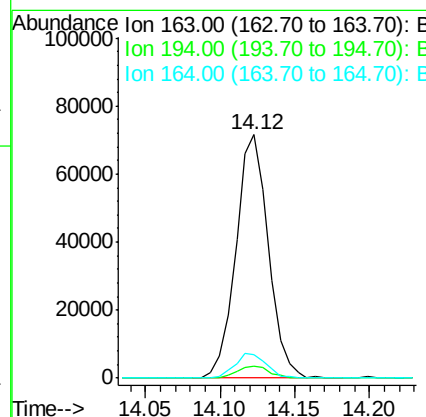
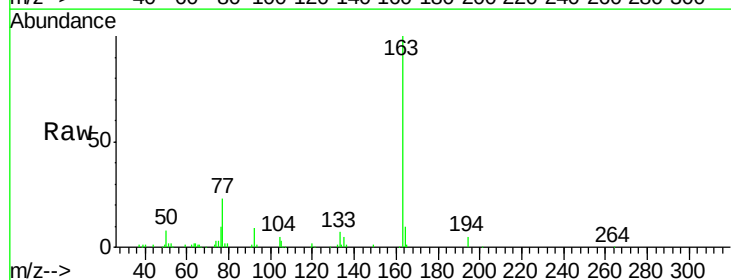
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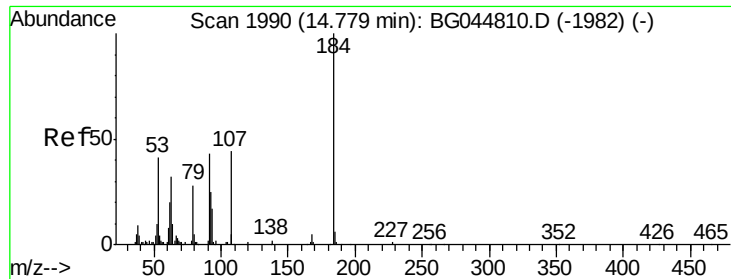
Tgt Ion:172 Resp: 1166660
 Ion Ratio Lower Upper
 172 100
 171 37.4 28.7 43.1
 170 24.5 19.0 28.6



#50
 Dimethylphthalate
 Concen: 6.58 ng
 RT: 14.12 min Scan# 1878
 Delta R.T. -0.01 min
 Lab File: BG044879.D
 Acq: 19 Mar 2020 1:07

Tgt Ion:163 Resp: 108130
 Ion Ratio Lower Upper
 163 100
 194 5.0 3.7 5.5
 164 9.9 9.1 13.7

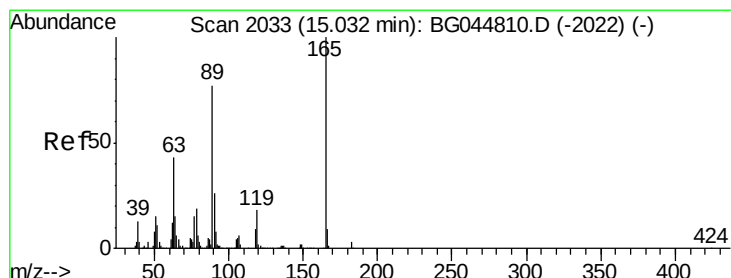
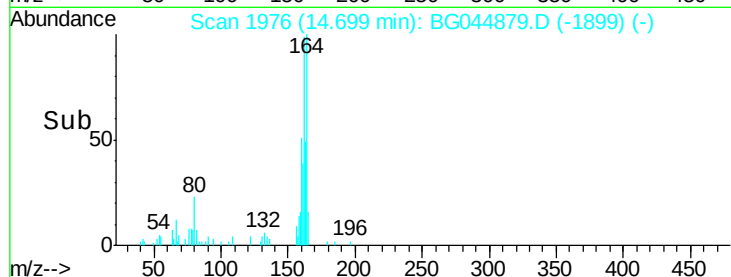
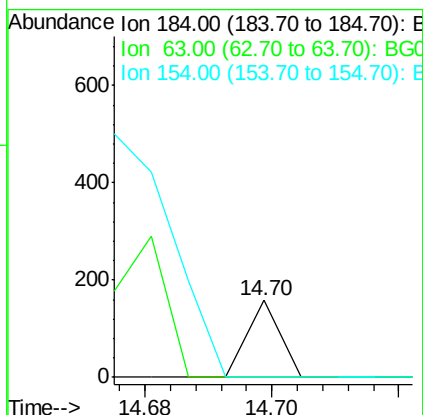
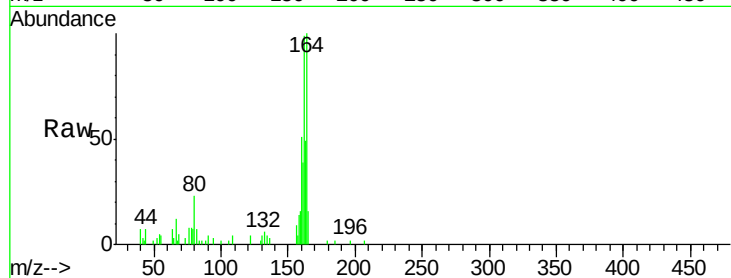




#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.08 min
Lab File: BG044879.D
Acq: 19 Mar 2020 1:07

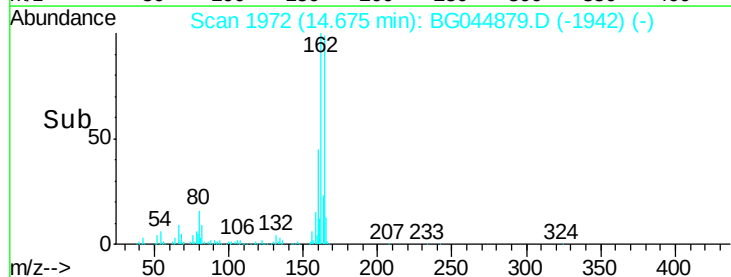
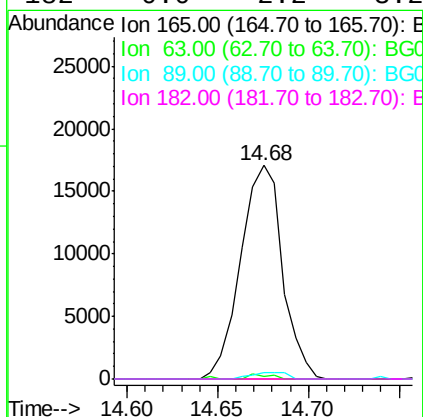
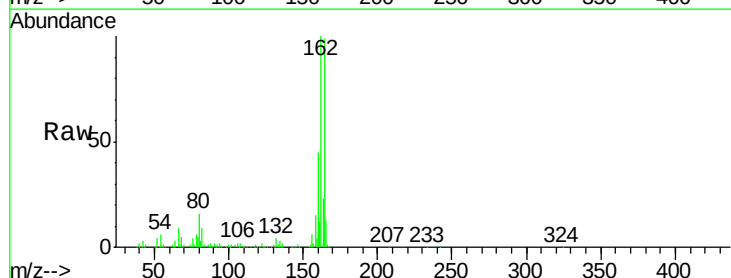
Instrument :
BNA_G
ClientSampleId :
TP-5-DA

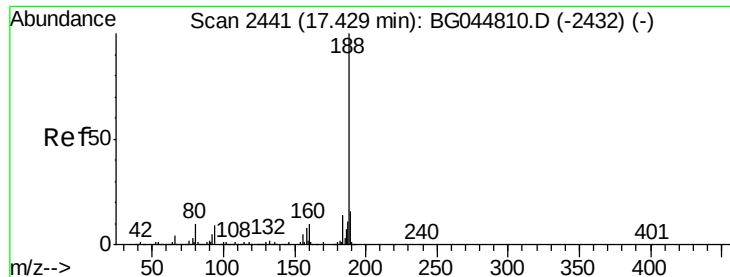
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 6.03 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044879.D
Acq: 19 Mar 2020 1:07

Tgt Ion:165 Resp: 27390
Ion Ratio Lower Upper
165 100
63 1.0 34.6 52.0#
89 3.0 61.3 91.9#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044879.D

Acq: 19 Mar 2020 1:07

Instrument :

BNA_G

ClientSampleId :

TP-5-DA

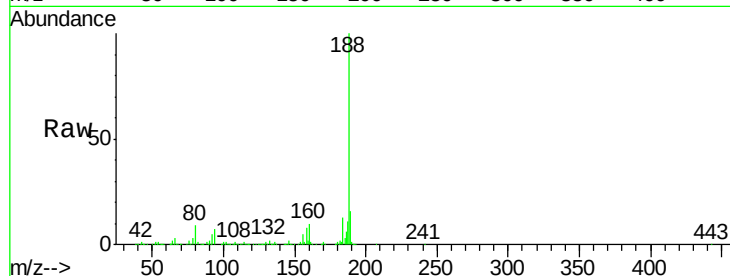
Tgt Ion:188 Resp: 491957

Ion Ratio Lower Upper

188 100

94 7.5 7.3 10.9

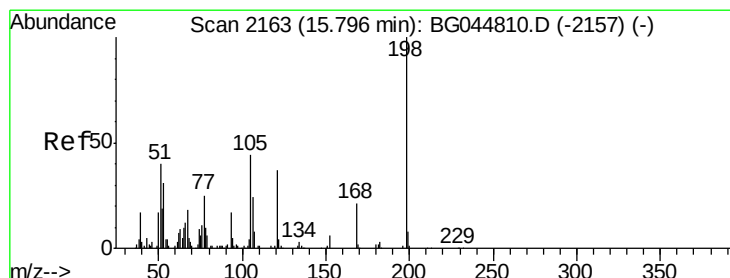
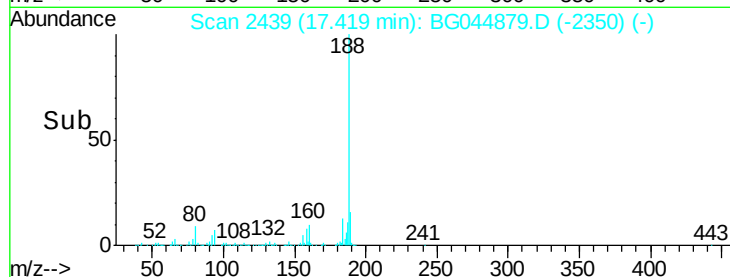
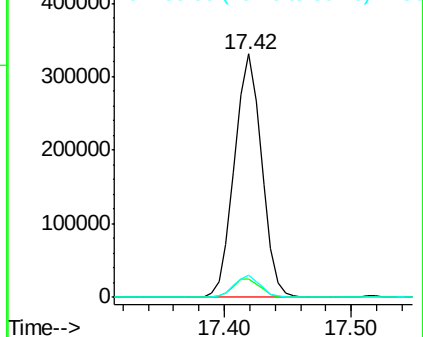
80 9.0 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 7.75 ng

RT: 15.97 min Scan# 2193

Delta R.T. 0.18 min

Lab File: BG044879.D

Acq: 19 Mar 2020 1:07

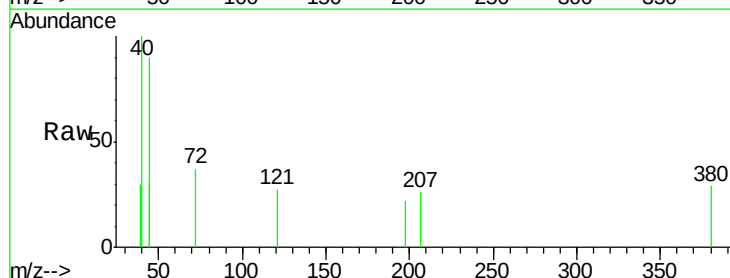
Tgt Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

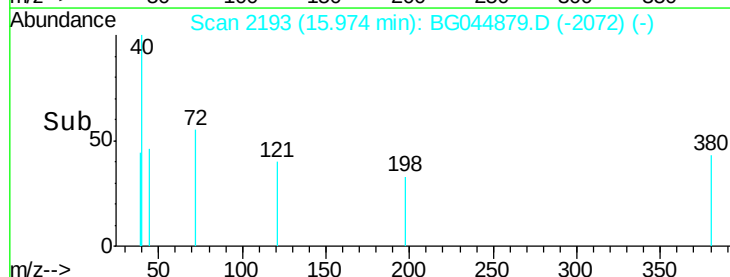
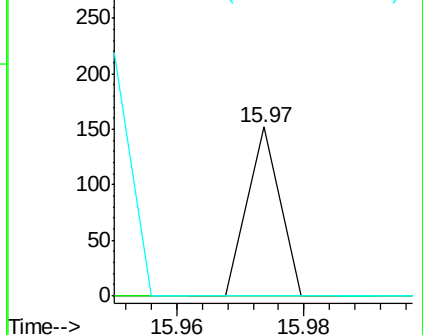
105 0.0 24.5 64.5#

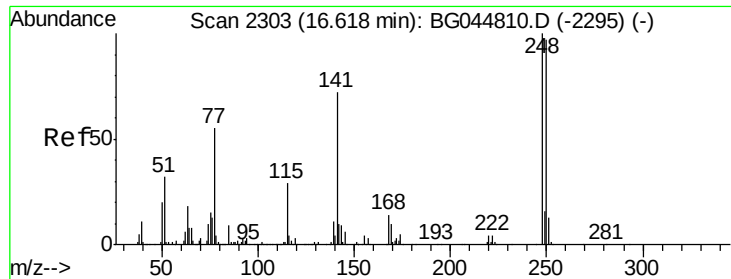


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

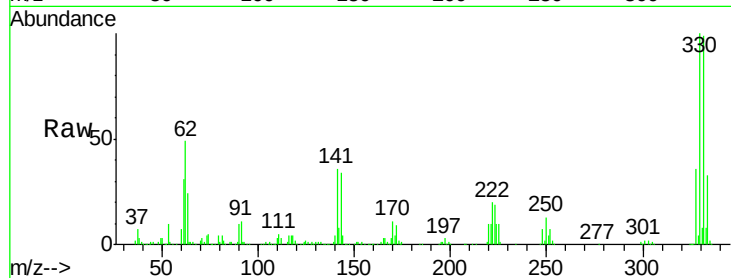




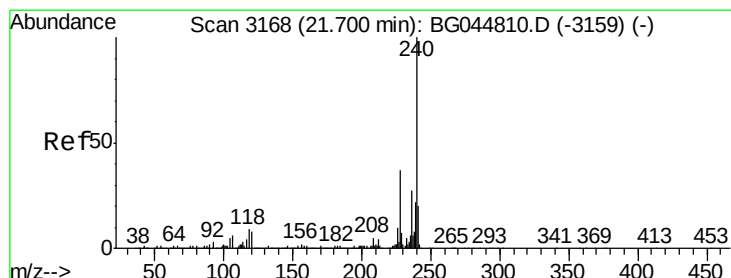
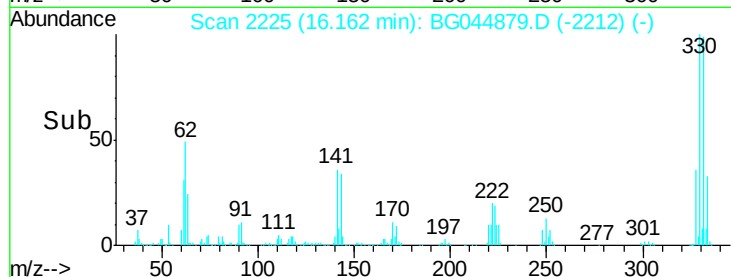
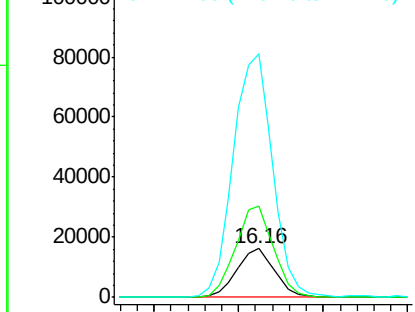
#67
4-Bromophenyl-phenylether
Concen: 4.09 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.46 min
Lab File: BG044879.D
Acq: 19 Mar 2020 1:07

Instrument :
BNA_G
ClientSampleId :
TP-5-DA

Tgt Ion:248 Resp: 25158
Ion Ratio Lower Upper
248 100
250 187.7 77.9 116.9#
141 502.5 57.5 86.3#

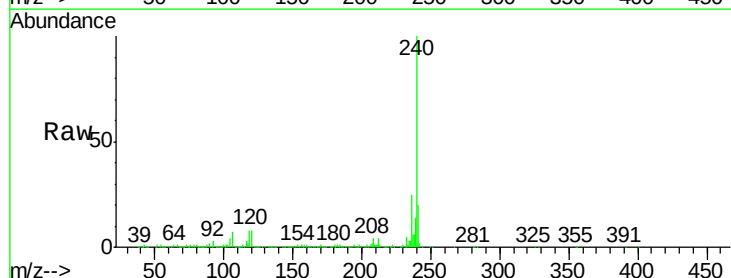


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

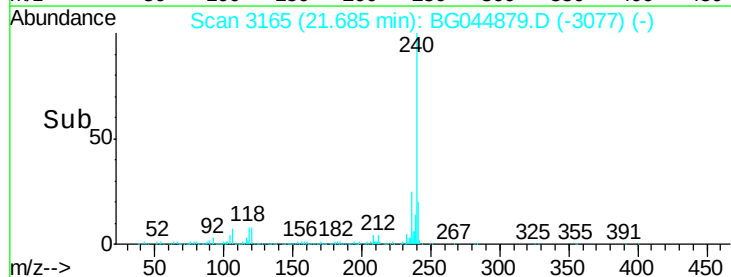
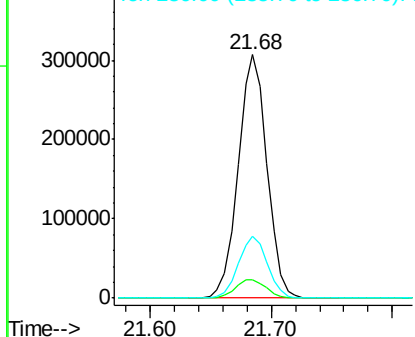


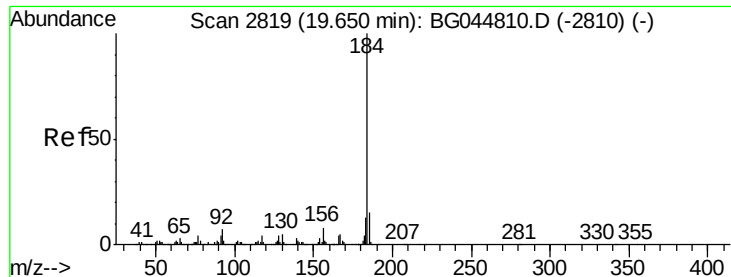
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044879.D
Acq: 19 Mar 2020 1:07

Tgt Ion:240 Resp: 508364
Ion Ratio Lower Upper
240 100
120 7.8 6.7 10.1
236 25.4 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: 2.31 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044879.D

Acq: 19 Mar 2020 1:07

Instrument :

BNA_G

ClientSampleId :

TP-5-DA

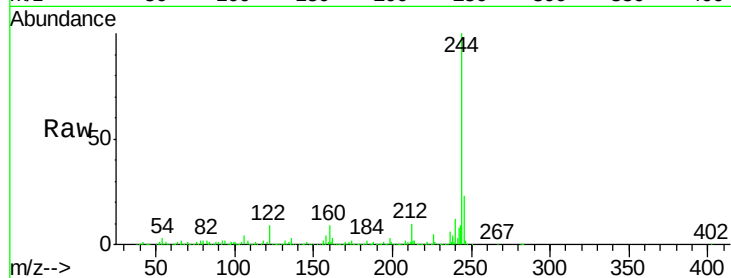
Tgt Ion:184 Resp: 38168

Ion Ratio Lower Upper

184 100

185 13.4 12.2 18.4

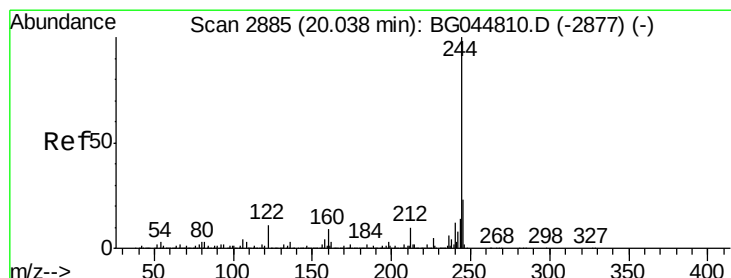
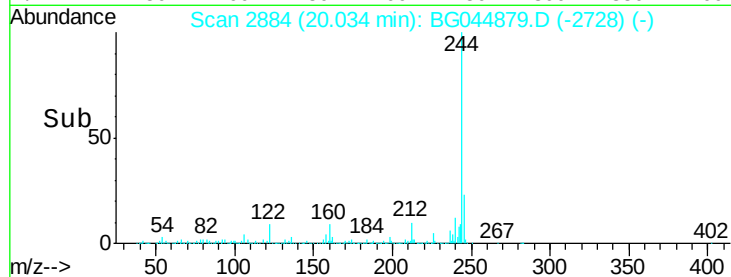
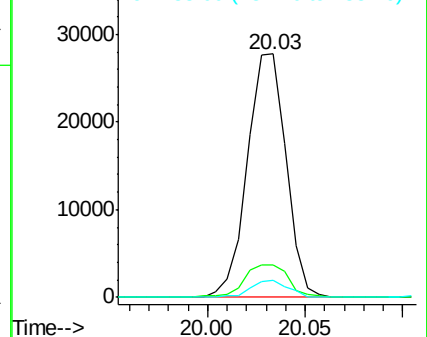
183 7.1 10.7 16.1#



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: 73.11 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044879.D

Acq: 19 Mar 2020 1:07

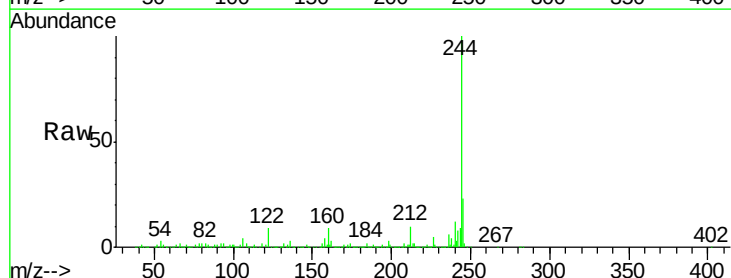
Tgt Ion:244 Resp: 1986881

Ion Ratio Lower Upper

244 100

212 9.6 7.7 11.5

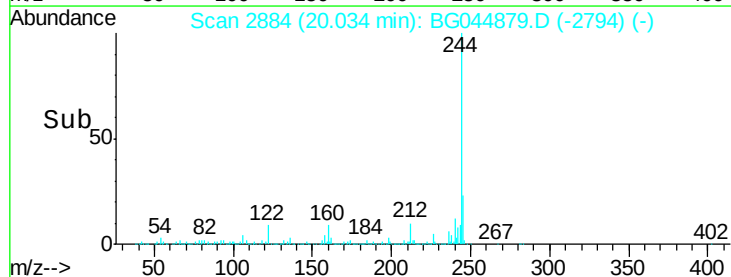
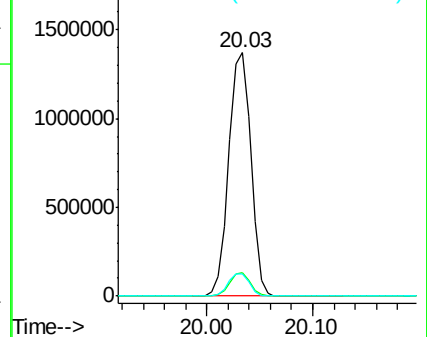
122 9.2 8.6 12.8

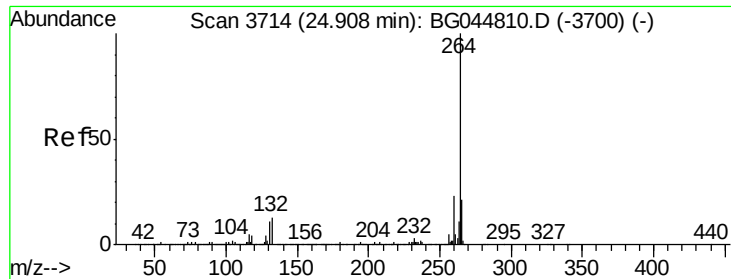


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

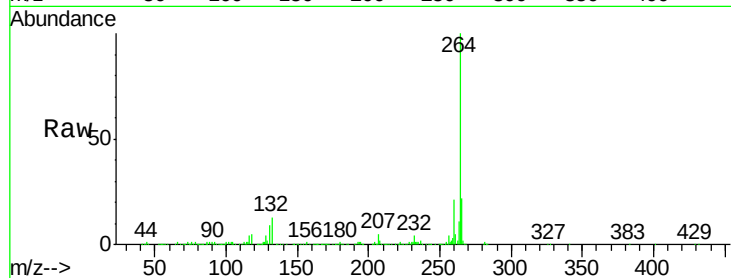




#87
Perylene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.02 min
Lab File: BG044879.D
Acq: 19 Mar 2020 1:07

Instrument :
BNA_G
ClientSampleId :
TP-5-DA

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.4	18.1	27.1
265	22.1	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

