

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012020\
 Data File : BG044126.D
 Acq On : 21 Jan 2020 10:11
 Operator : JU
 Sample : L1154-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B4-15-20

Quant Time: Jan 21 10:48:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	78712	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	333315	20.00	ng	-0.03
39) Acenaphthene-d10	14.56	164	232243	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	497777	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	421442	20.00	ng	-0.03
87) Perylene-d12	24.66	264	473087	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	723500	168.77	ng	-0.03
7) Phenol-d6	7.10	99	1032486	172.30	ng	-0.02
23) Nitrobenzene-d5	9.08	82	597960	95.97	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	404777	166.55	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1351966	105.47	ng	-0.03
79) Terphenyl-d14	19.92	244	1908804	121.41	ng	-0.03

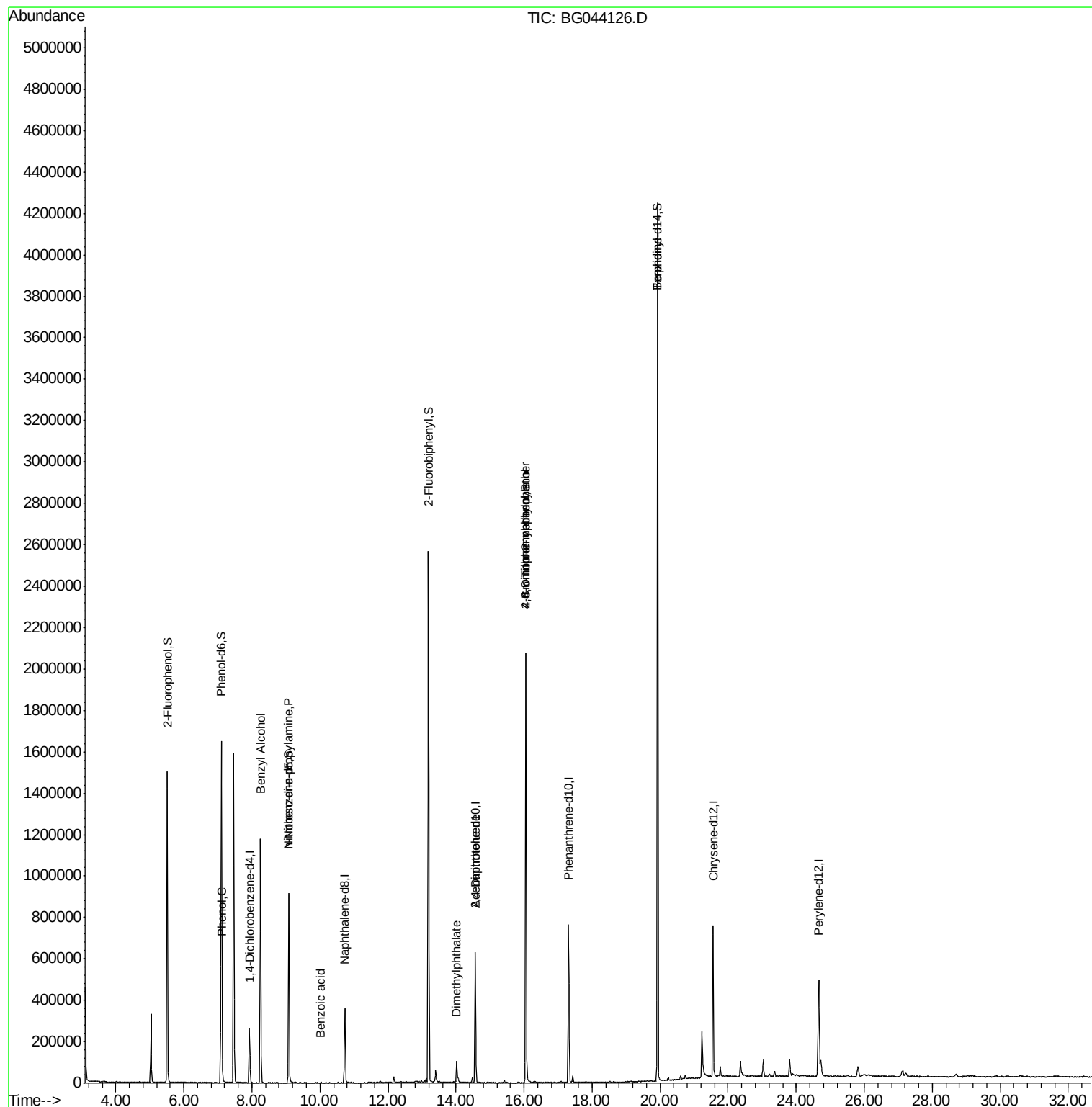
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.13	94	33498	5.43	ng	90
15) Benzyl Alcohol	8.25	79	9547	2.02	ng	# 50
19) n-Nitroso-di-n-propylamine	9.08	70	78206	17.53	ng	# 77
32) Benzoic acid	10.02	122	56	6.28	ng	# 1
50) Dimethylphthalate	14.02	163	83438	5.06	ng	# 97
57) 2,4-Dinitrotoluene	14.56	165	31037	6.12	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	1316	4.86	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	29671	5.30	ng	# 1
77) Benzidine	19.92	184	33579	3.17	ng	# 93

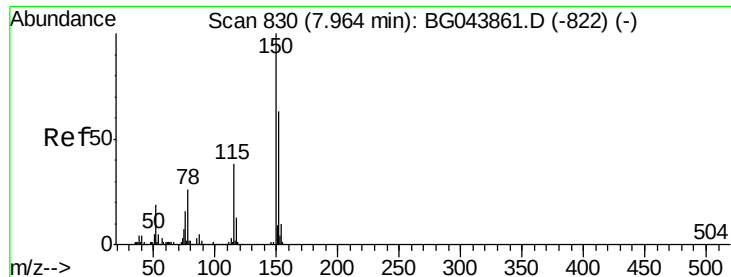
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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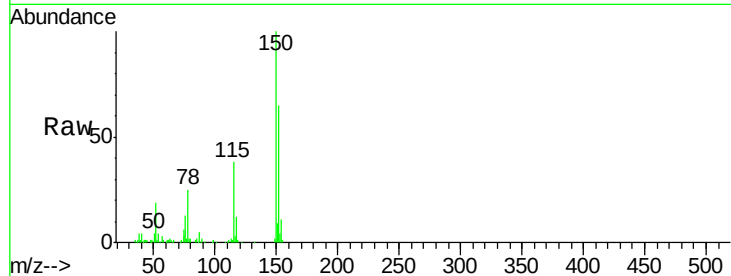


#1

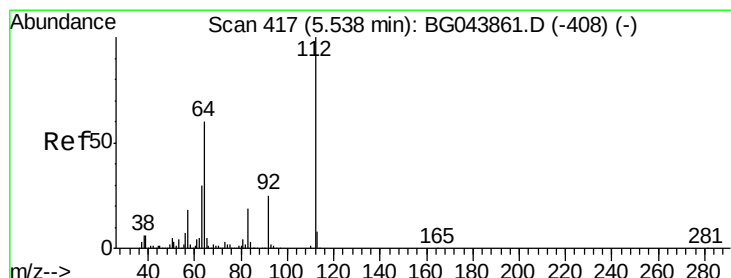
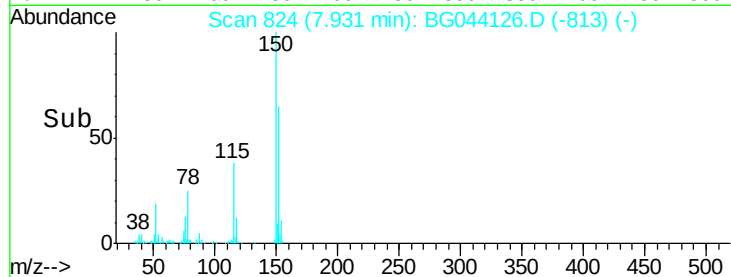
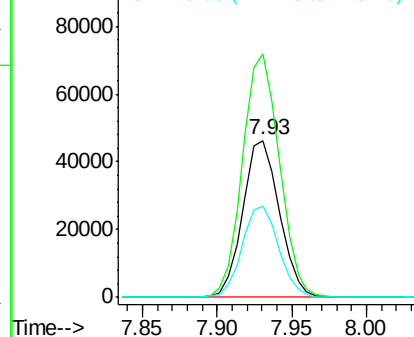
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044126.D
Acq: 21 Jan 2020 10:11

Instrument :
BNA_G
ClientSampleId :
B4-15-20

Tgt Ion:152 Resp: 78712
Ion Ratio Lower Upper
152 100
150 154.9 127.0 190.4
115 58.5 47.8 71.8



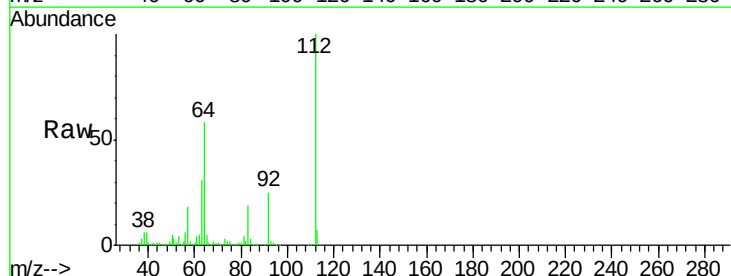
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



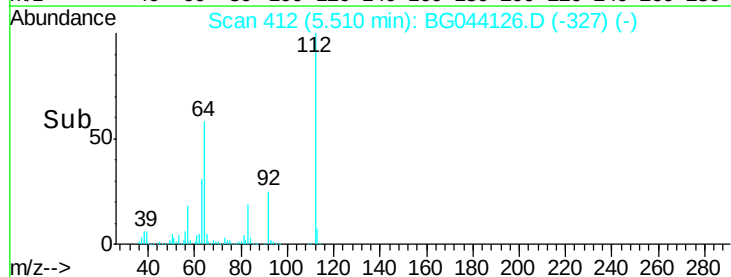
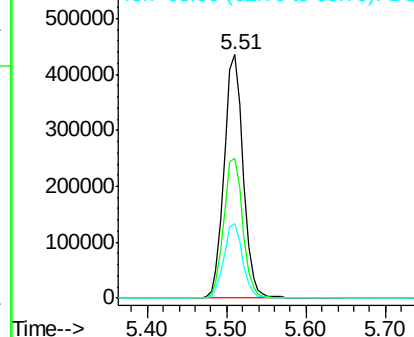
#5

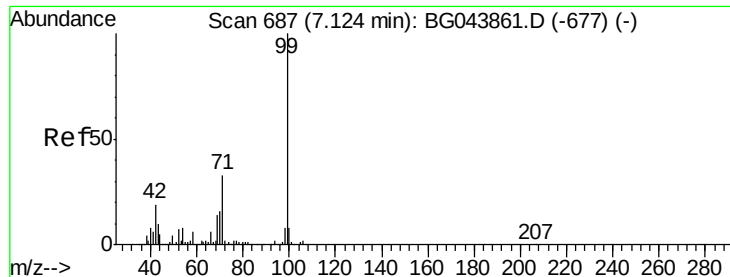
2-Fluorophenol
Concen: 168.77 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044126.D
Acq: 21 Jan 2020 10:11

Tgt Ion:112 Resp: 723500
Ion Ratio Lower Upper
112 100
64 57.7 47.8 71.6
63 30.5 24.3 36.5



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





#7

Phenol-d6

Concen: 172.30 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044126.D

Acq: 21 Jan 2020 10:11

Instrument :

BNA_G

ClientSampleId :

B4-15-20

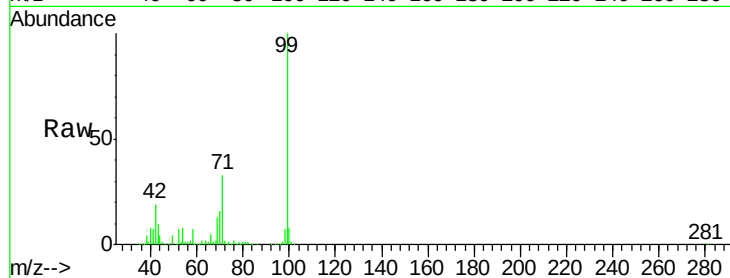
Tgt Ion: 99 Resp: 1032486

Ion Ratio Lower Upper

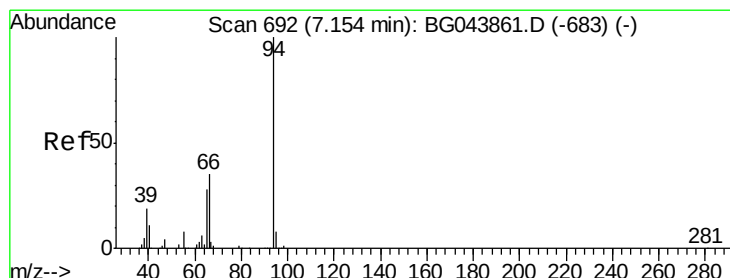
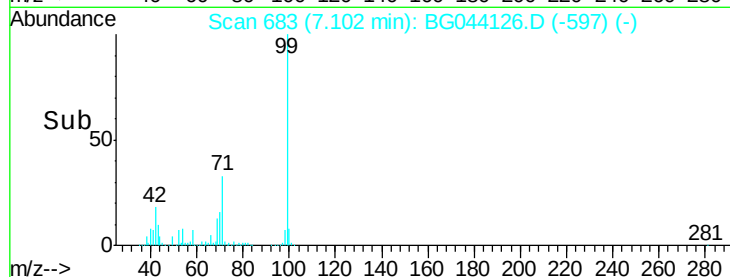
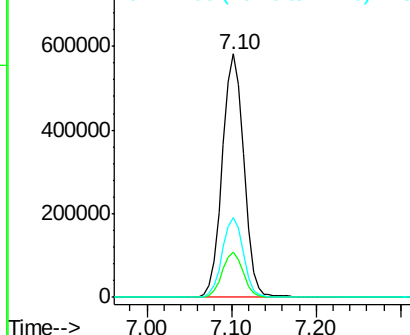
99 100

42 18.5 14.9 22.3

71 32.9 26.4 39.6



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



#10

Phenol

Concen: 5.43 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044126.D

Acq: 21 Jan 2020 10:11

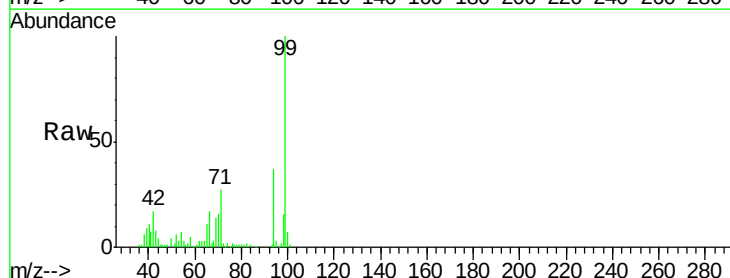
Tgt Ion: 94 Resp: 33498

Ion Ratio Lower Upper

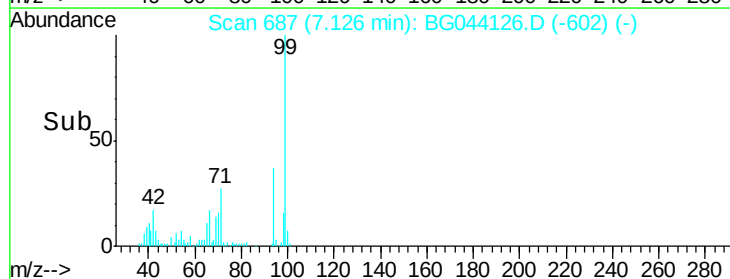
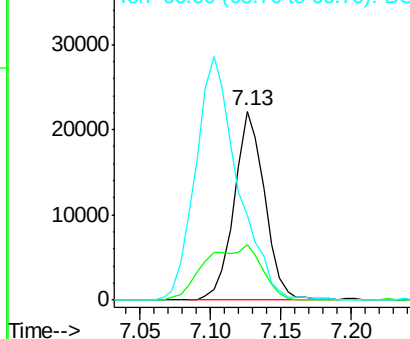
94 100

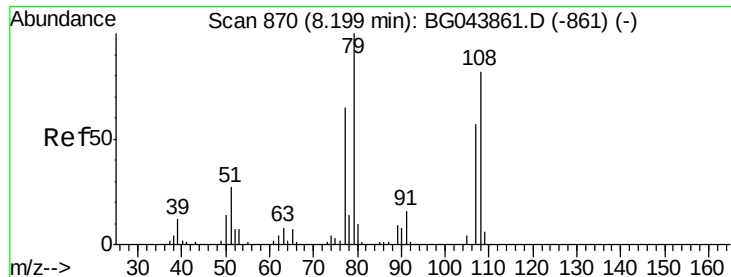
65 29.0 8.1 48.1

66 45.1 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 8.25 min Scan# 879

Delta R.T. 0.05 min

Lab File: BG044126.D

Acq: 21 Jan 2020 10:11

Instrument :

BNA_G

ClientSampleId :

B4-15-20

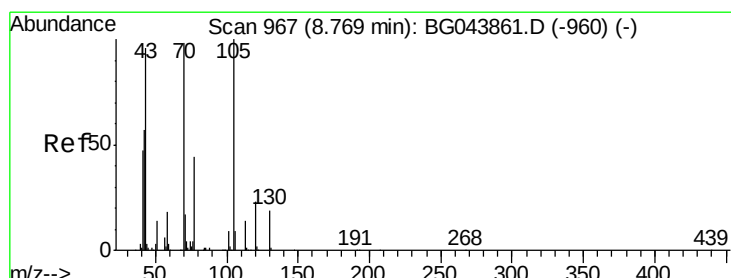
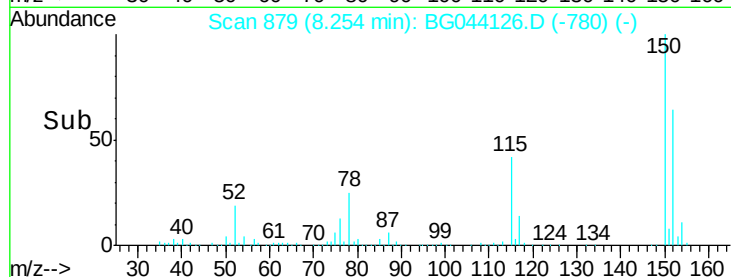
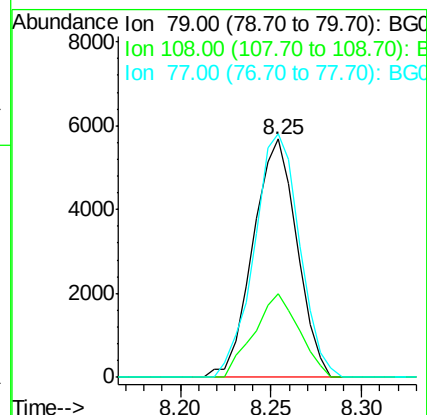
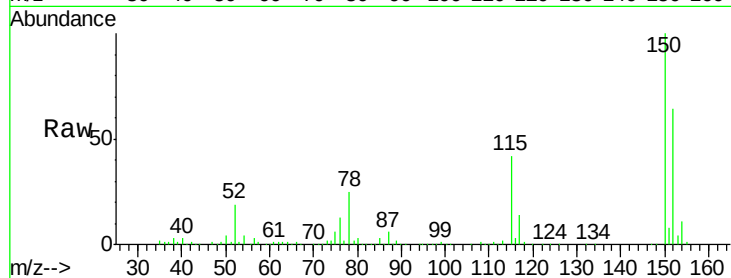
Tgt Ion: 79 Resp: 9547

Ion Ratio Lower Upper

79 100

108 35.1 65.6 98.4#

77 102.2 52.0 78.0#



#19

n-Nitroso-di-n-propylamine

Concen: 17.53 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.31 min

Lab File: BG044126.D

Acq: 21 Jan 2020 10:11

Tgt Ion: 70 Resp: 78206

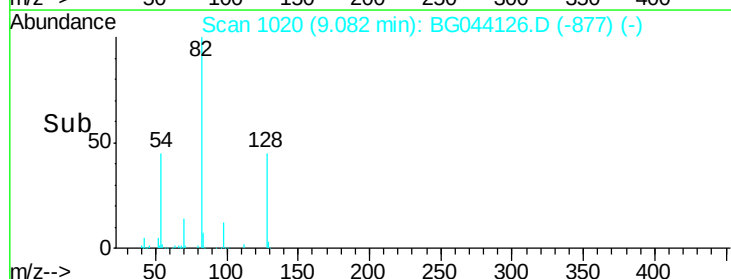
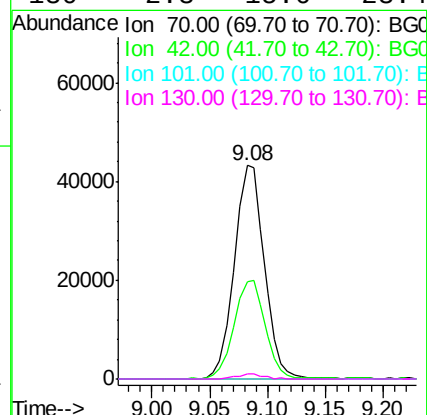
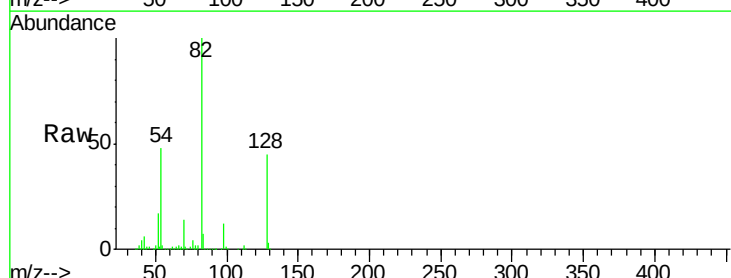
Ion Ratio Lower Upper

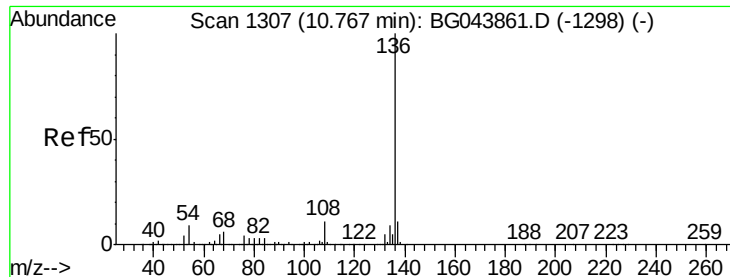
70 100

42 45.3 47.0 70.4#

101 0.0 7.2 10.8#

130 2.3 15.6 23.4#

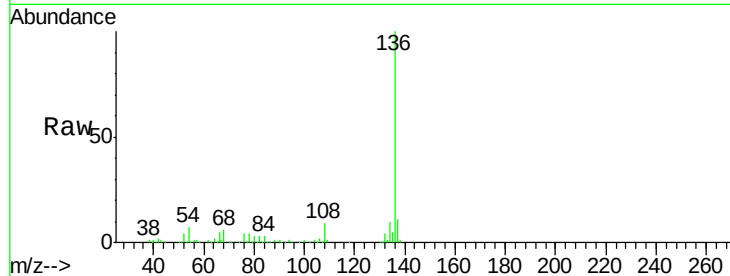




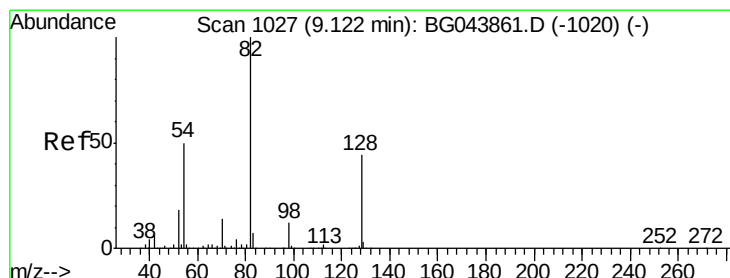
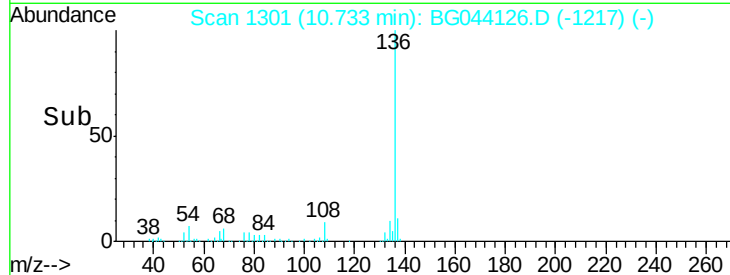
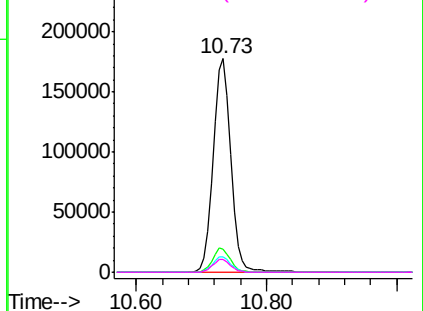
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044126.D
Acq: 21 Jan 2020 10:11

Instrument :
BNA_G
ClientSampleId :
B4-15-20

Tgt Ion:	136	Resp:	333315
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.2	7.0	10.4
68	5.9	4.9	7.3

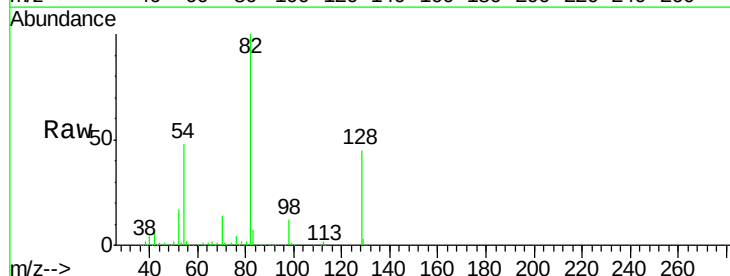


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

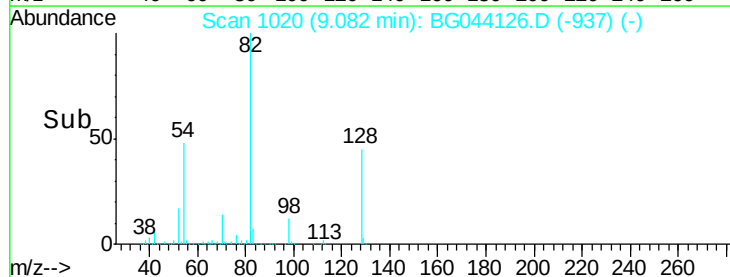
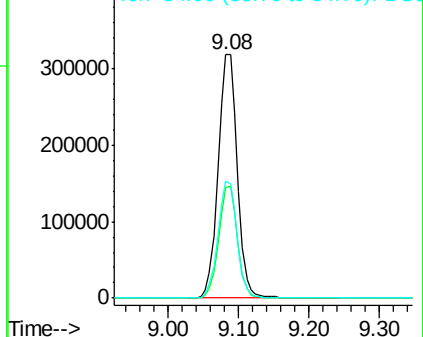


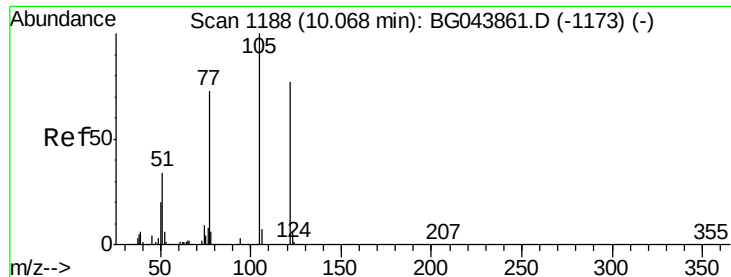
#23
Nitrobenzene-d5
Concen: 95.97 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BG044126.D
Acq: 21 Jan 2020 10:11

Tgt Ion:	82	Resp:	597960
Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.1	52.7
54	48.1	40.1	60.1



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

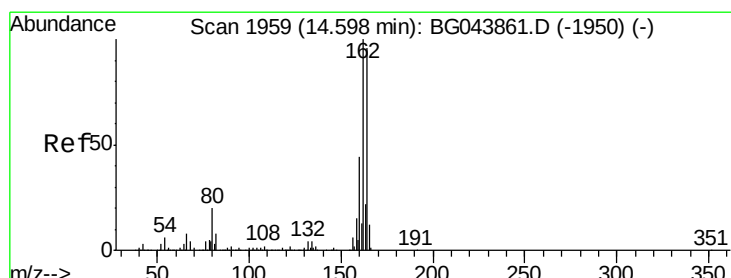
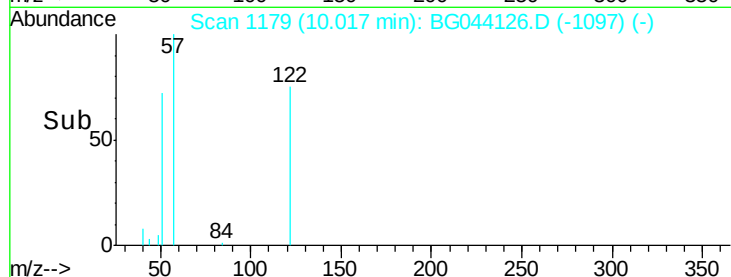
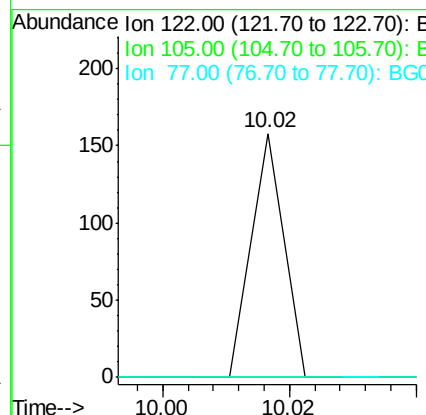
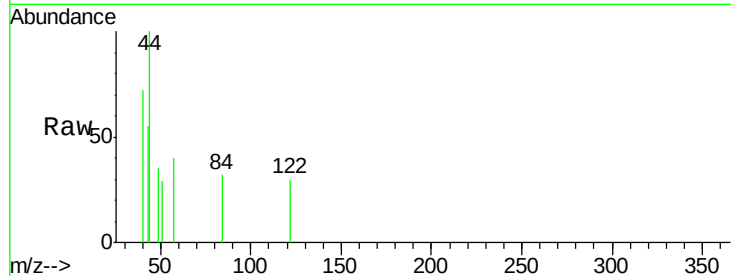




#32
Benzoic acid
Concen: 6.28 ng
RT: 10.02 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BG044126.D
Acq: 21 Jan 2020 10:11

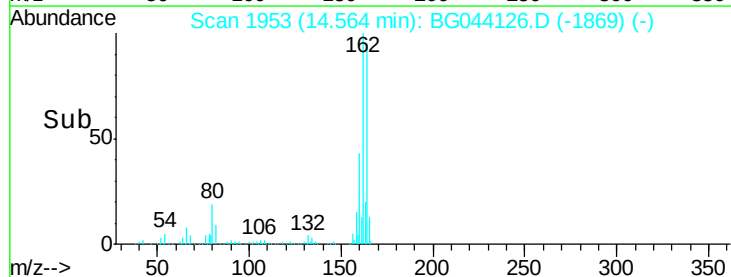
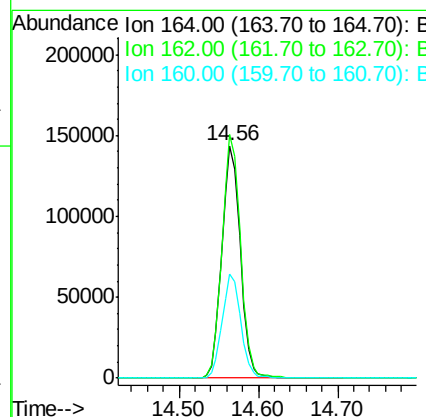
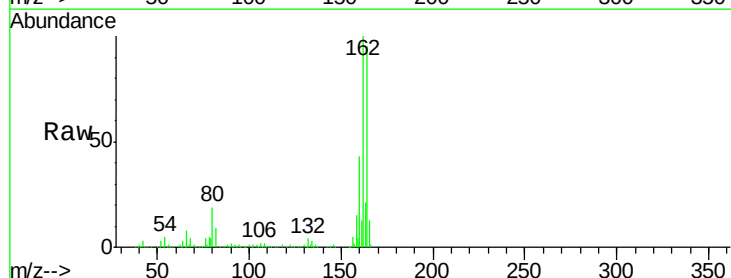
Instrument :
BNA_G
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B4-15-20

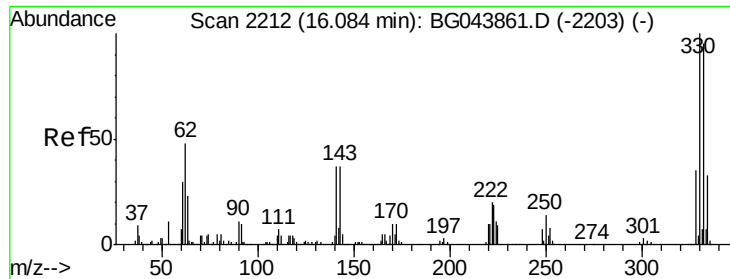
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.4	146.4#
77	0.0	74.6	114.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.03 min
Lab File: BG044126.D
Acq: 21 Jan 2020 10:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.0	124.4
160	44.9	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 166.55 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044126.D

Acq: 21 Jan 2020 10:11

Instrument :

BNA_G

ClientSampleId :

B4-15-20

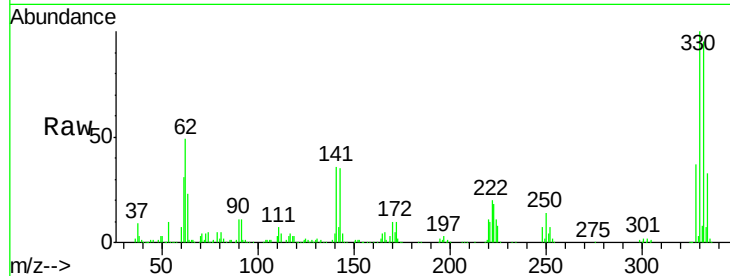
Tgt Ion:330 Resp: 404777

Ion Ratio Lower Upper

330 100

332 95.8 77.2 115.8

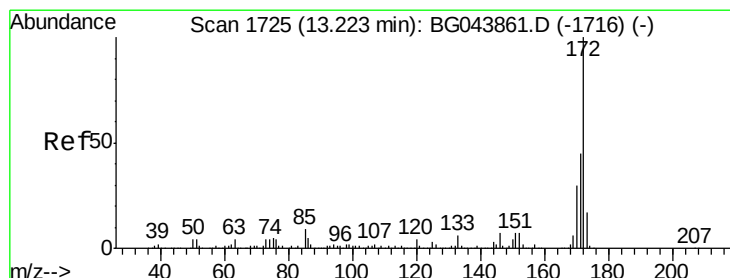
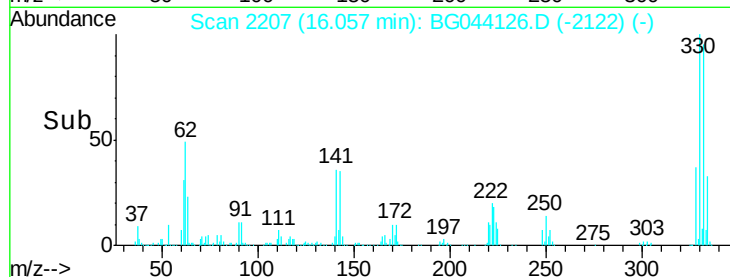
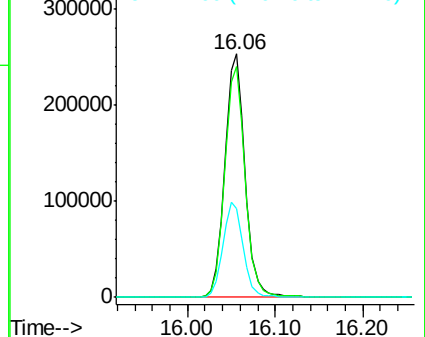
141 39.5 33.1 49.7



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: 105.47 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.03 min

Lab File: BG044126.D

Acq: 21 Jan 2020 10:11

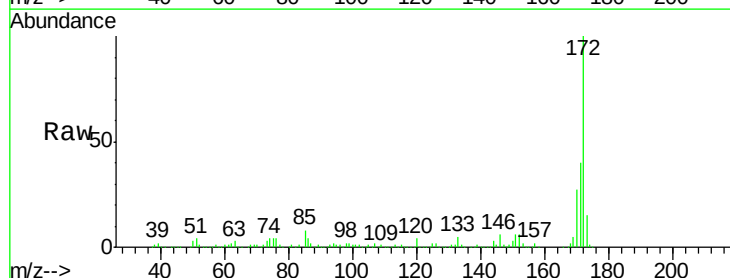
Tgt Ion:172 Resp: 1351966

Ion Ratio Lower Upper

172 100

171 39.9 35.8 53.8

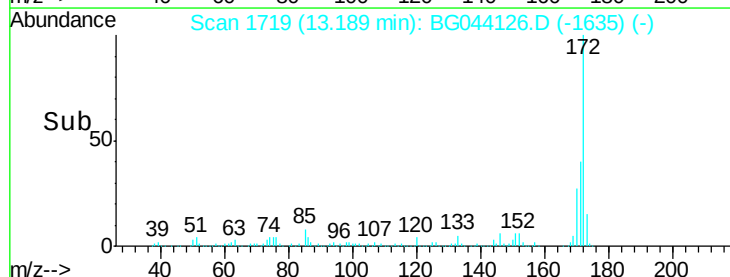
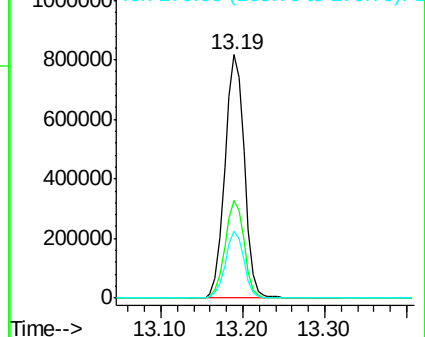
170 27.3 24.2 36.4

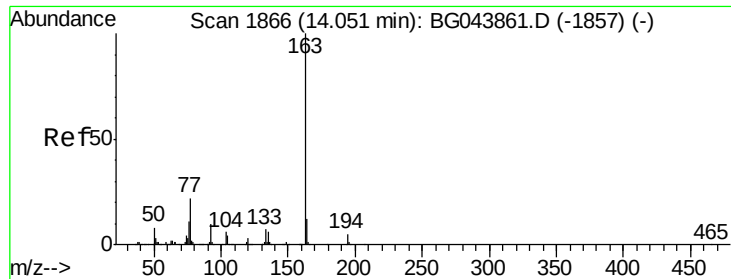


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.06 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.03 min

Lab File: BG044126.D

Acq: 21 Jan 2020 10:11

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B4-15-20

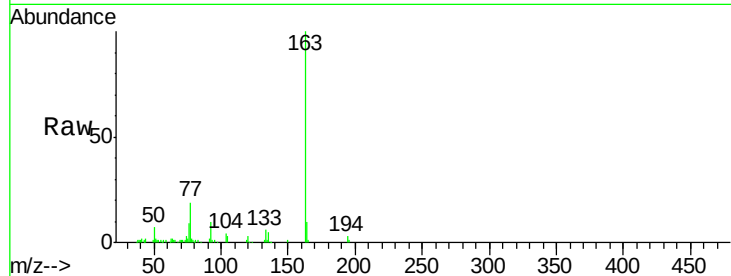
Tgt Ion:163 Resp: 83438

Ion Ratio Lower Upper

163 100

194 3.3 3.7 5.5#

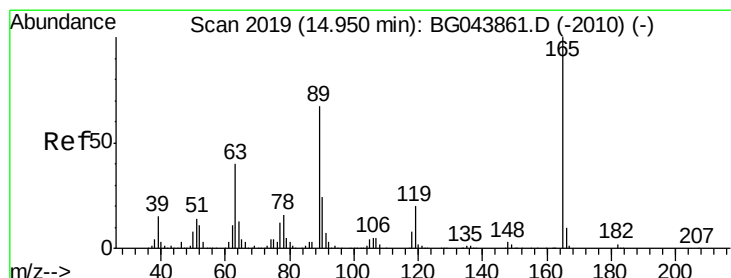
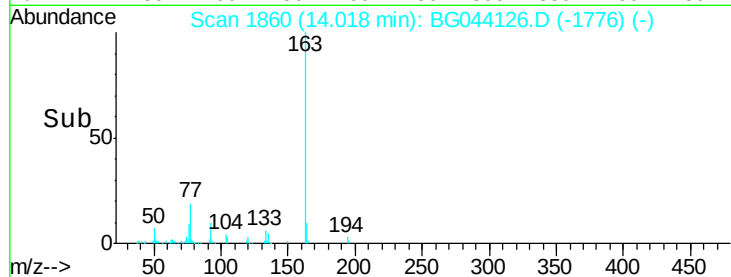
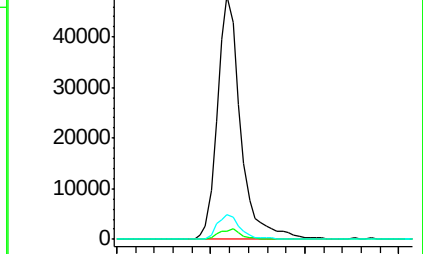
164 10.3 9.3 13.9



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



#57

2,4-Dinitrotoluene

Concen: 6.12 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044126.D

Acq: 21 Jan 2020 10:11

Tgt Ion:165 Resp: 31037

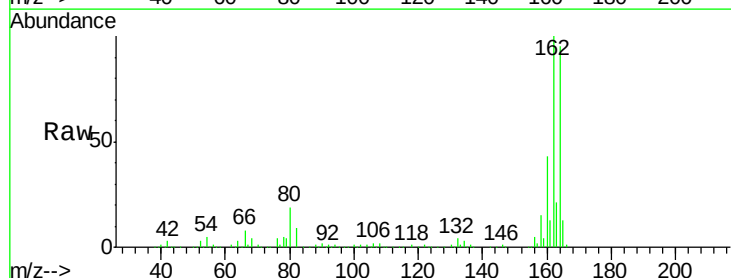
Ion Ratio Lower Upper

165 100

63 1.4 31.9 47.9#

89 1.8 53.8 80.6#

182 0.0 2.0 3.0#

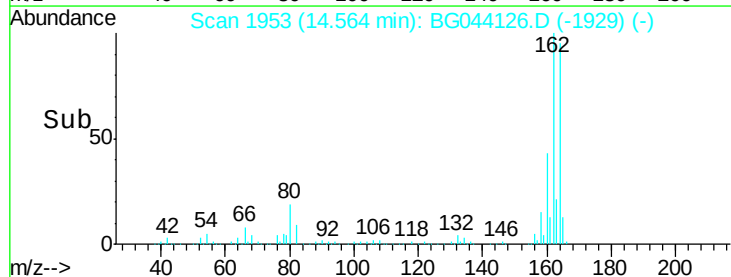
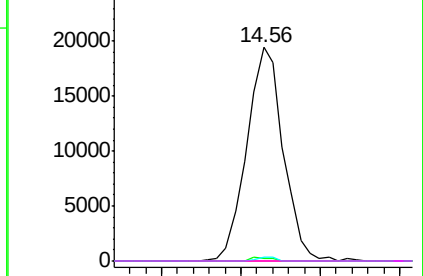


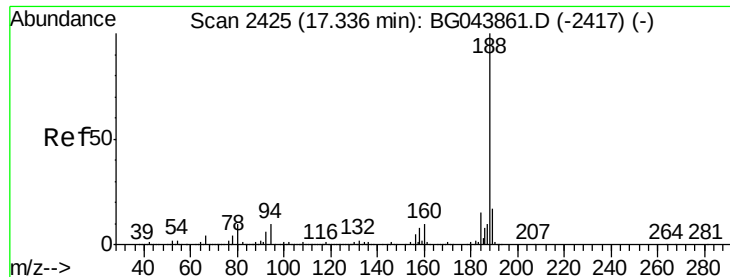
Abundance Ion 165.00 (164.70 to 165.70): E

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

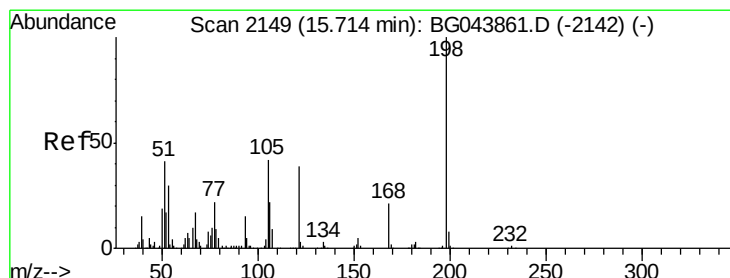
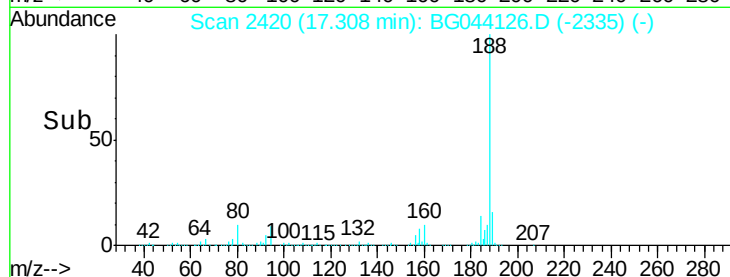
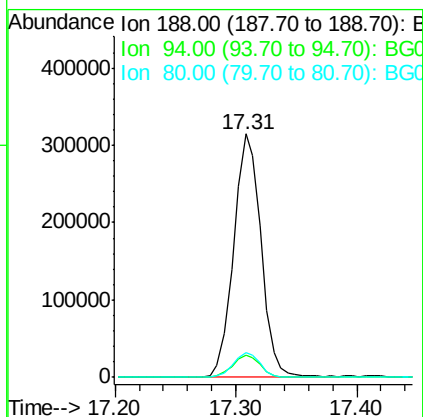
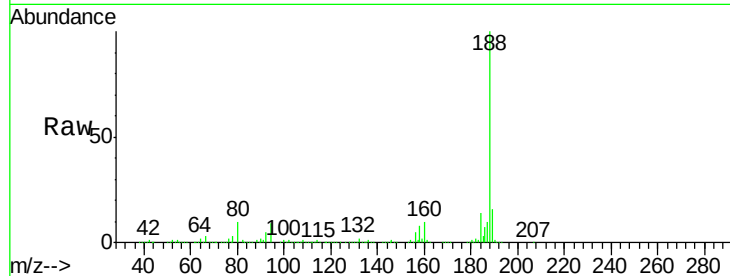




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.31 min Scan# 2420
Delta R.T. -0.03 min
Lab File: BG044126.D
Acq: 21 Jan 2020 10:11

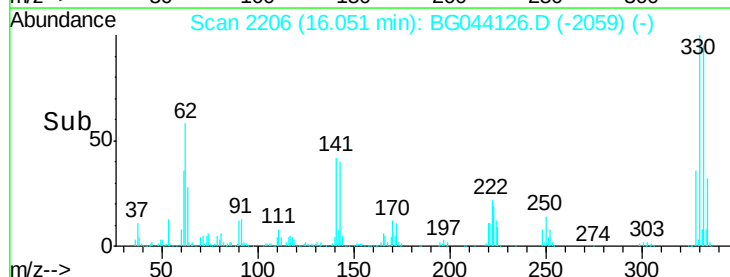
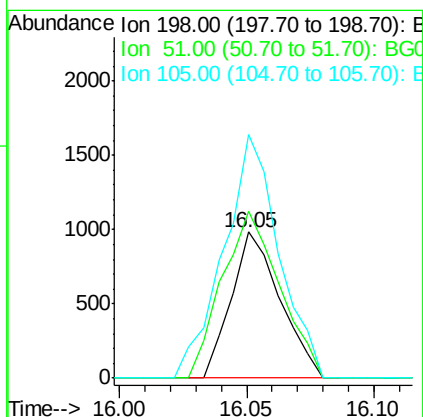
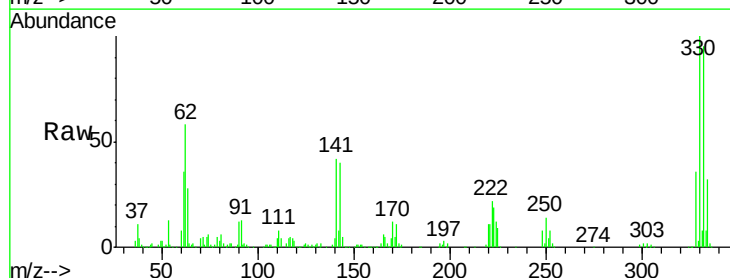
Instrument :
BNA_G
ClientSampleId :
B4-15-20

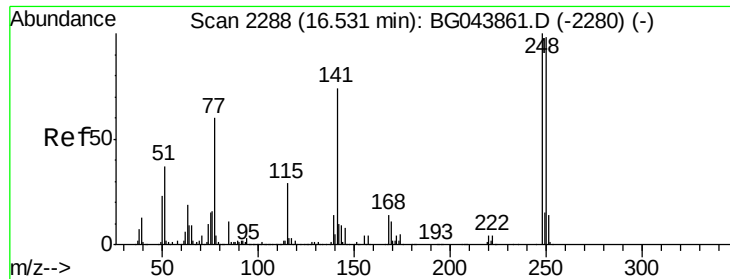
Tgt Ion:188 Resp: 497777
Ion Ratio Lower Upper
188 100
94 9.1 7.9 11.9
80 10.1 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.86 ng
RT: 16.05 min Scan# 2206
Delta R.T. 0.34 min
Lab File: BG044126.D
Acq: 21 Jan 2020 10:11

Tgt Ion:198 Resp: 1316
Ion Ratio Lower Upper
198 100
51 114.3 22.5 62.5#
105 166.6 22.3 62.3#

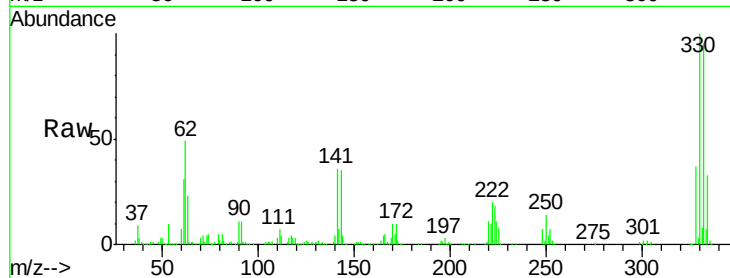




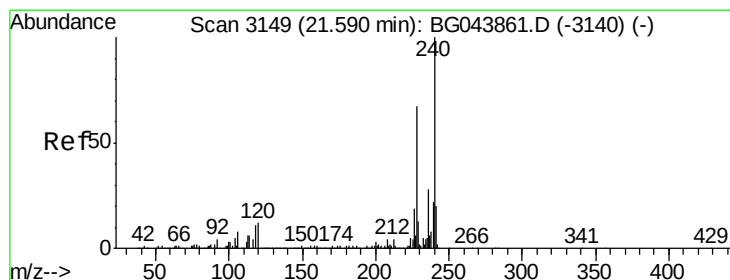
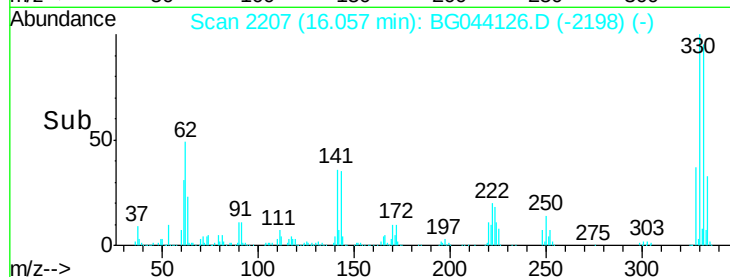
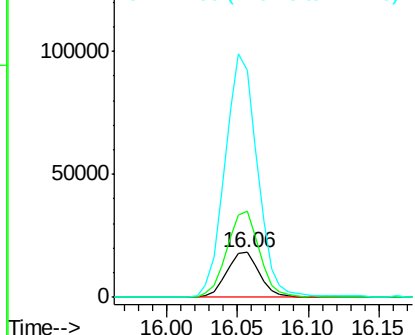
#67
 4-Bromophenyl-phenylether
 Concen: 5.30 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.47 min
 Lab File: BG044126.D
 Acq: 21 Jan 2020 10:11

Instrument :
 BNA_G
 ClientSampleId :
 B4-15-20

Tgt Ion:248 Resp: 29671
 Ion Ratio Lower Upper
 248 100
 250 190.8 78.2 117.2#
 141 504.5 59.3 88.9#

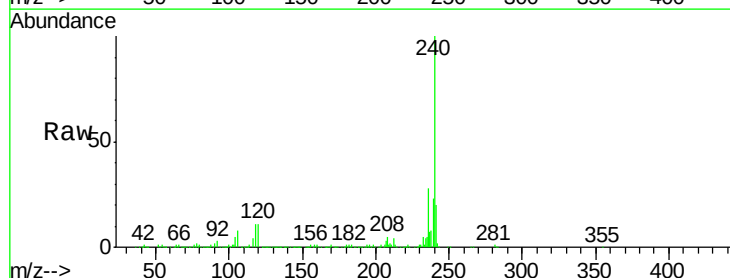


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

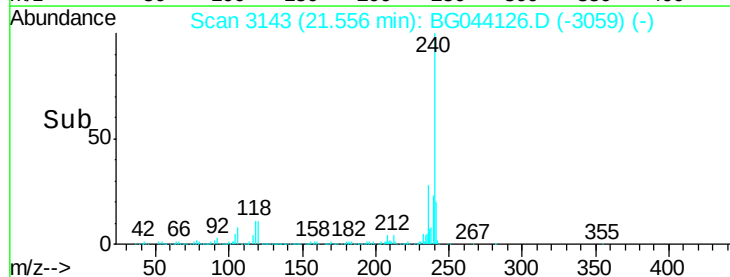
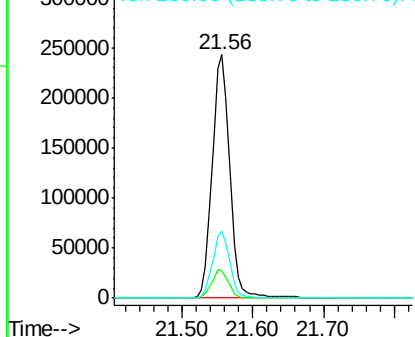


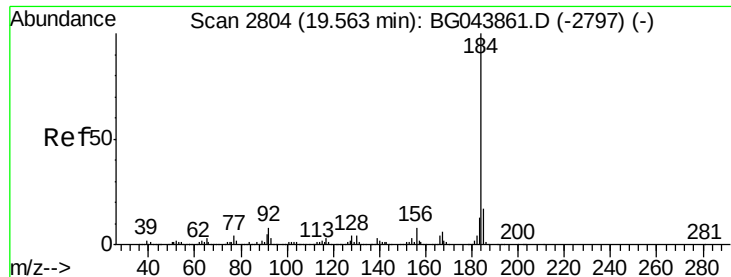
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.56 min Scan# 3143
 Delta R.T. -0.03 min
 Lab File: BG044126.D
 Acq: 21 Jan 2020 10:11

Tgt Ion:240 Resp: 421442
 Ion Ratio Lower Upper
 240 100
 120 11.3 9.6 14.4
 236 27.7 22.2 33.2



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: 3.17 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044126.D

Acq: 21 Jan 2020 10:11

Instrument :

BNA_G

ClientSampleId :

B4-15-20

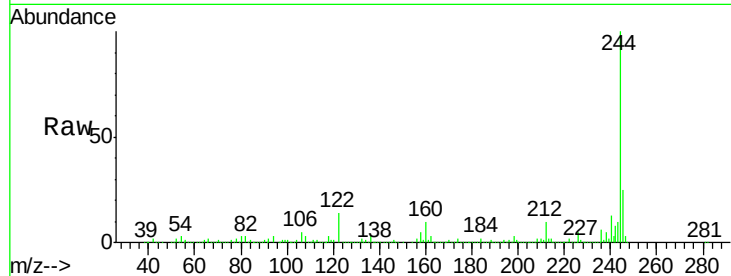
Tgt Ion:184 Resp: 33579

Ion Ratio Lower Upper

184 100

185 16.6 13.4 20.0

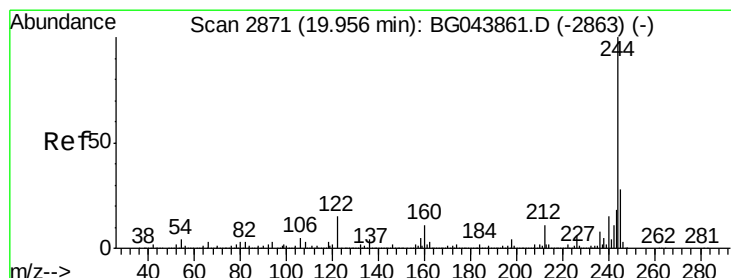
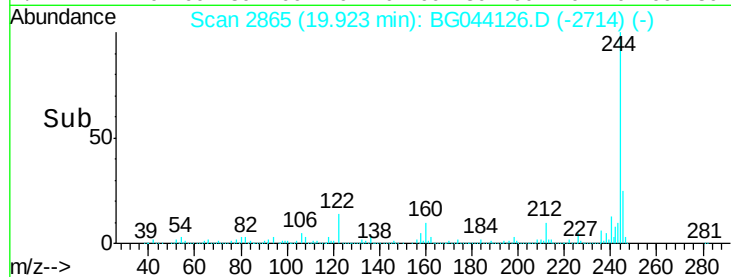
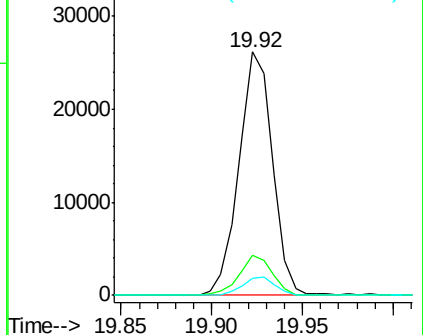
183 7.1 10.6 15.8#



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: 121.41 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044126.D

Acq: 21 Jan 2020 10:11

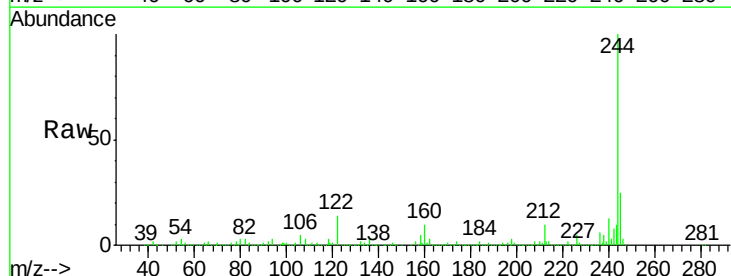
Tgt Ion:244 Resp: 1908804

Ion Ratio Lower Upper

244 100

212 9.6 8.6 13.0

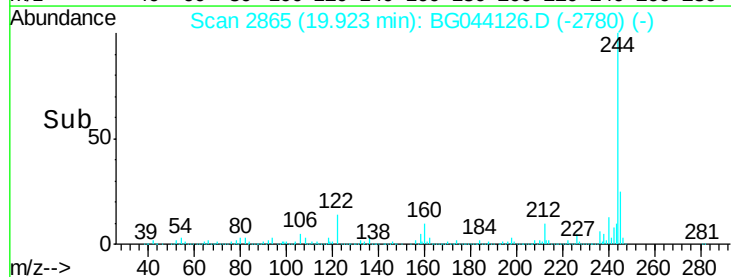
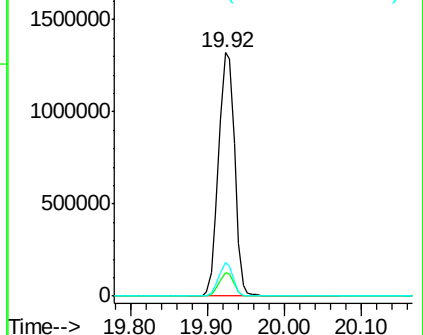
122 13.7 11.9 17.9

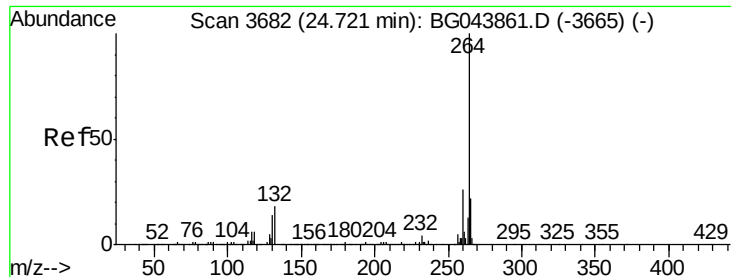


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.66 min Scan# 3672
Delta R.T. -0.06 min
Lab File: BG044126.D
Acq: 21 Jan 2020 10:11

Instrument :
BNA_G
ClientSampleId :
B4-15-20

Tgt Ion:	264	Resp:	473087
Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.4	30.6
265	22.2	17.4	26.2

