

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031620\
 Data File : BG044823.D
 Acq On : 16 Mar 2020 21:36
 Operator : CG/JU
 Sample : L1859-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-7-DA

Quant Time: Mar 17 01:23:34 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	114486	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	472369	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	311992	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	650012	20.00	ng	0.00
76) Chrysene-d12	21.70	240	505784	20.00	ng	0.00
87) Perylene-d12	24.91	264	579906	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	699496	95.11	ng	0.00
7) Phenol-d6	7.20	99	1007963	94.33	ng	0.00
23) Nitrobenzene-d5	9.21	82	662921	61.58	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	407905	99.85	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1386098	63.62	ng	0.00
79) Terphenyl-d14	20.04	244	1697181	62.77	ng	0.00

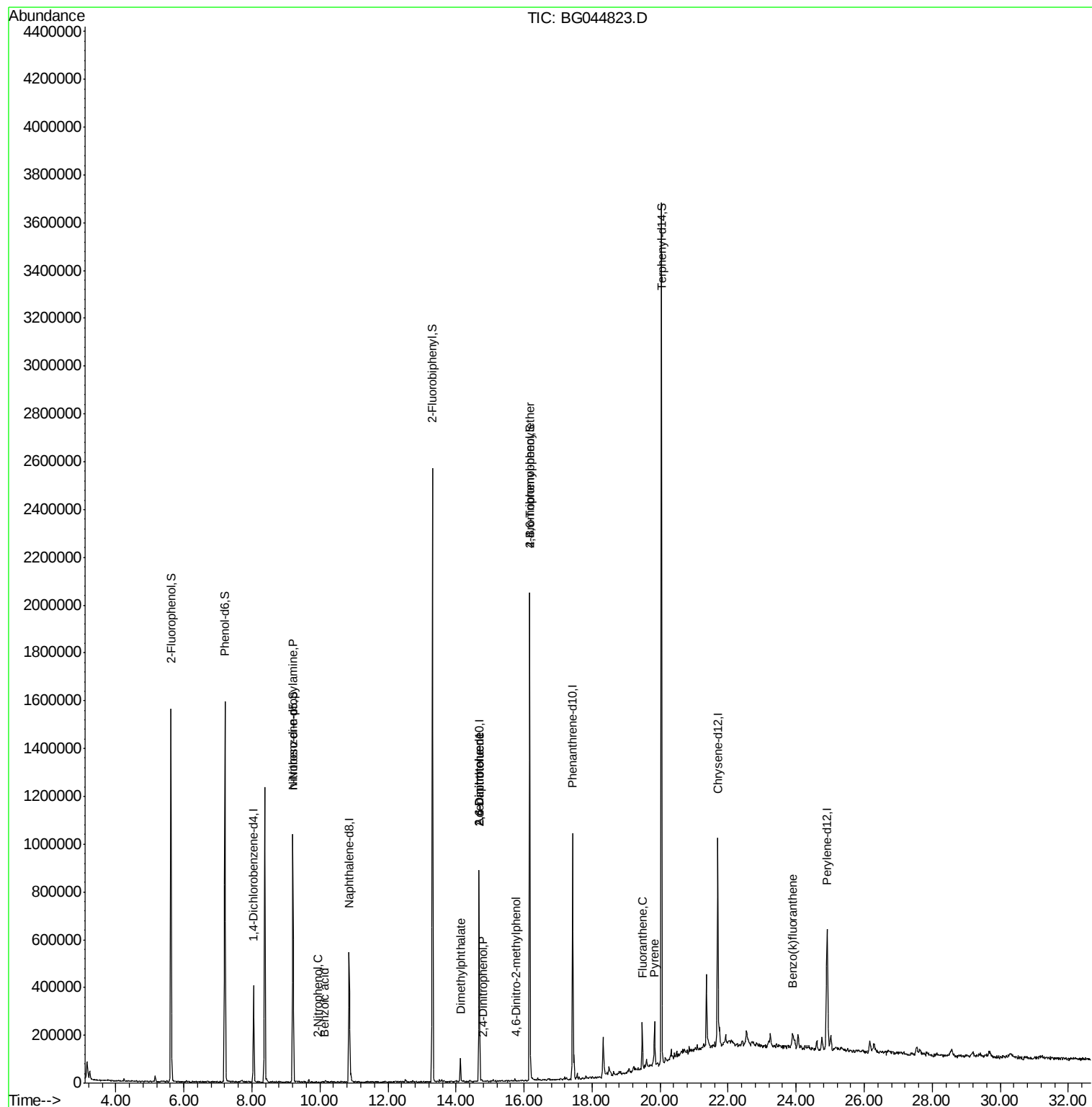
Target Compounds				Qvalue		
9) Benzaldehyde	7.21	77	2510	Below Cal	#	18
19) n-Nitroso-di-n-propylamine	9.21	70	88963	11.79 ng	#	73
26) 2-Nitrophenol	9.95	139	56	5.53 ng	#	28
32) Benzoic acid	10.12	122	91	9.68 ng	#	24
50) Dimethylphthalate	14.13	163	66513	2.68 ng	#	96
51) 2,6-Dinitrotoluene	14.68	165	40611	8.11 ng	#	23
54) 2,4-Dinitrophenol	14.79	184	82	8.35 ng	#	21
57) 2,4-Dinitrotoluene	14.68	165	40611	5.91 ng	#	23
65) 4,6-Dinitro-2-methylphenol	15.77	198	61	7.74 ng	#	33
67) 4-Bromophenyl-phenylether	16.17	248	29972	3.69 ng	#	1
75) Fluoranthene	19.48	202	114093	2.76 ng		98
78) Pyrene	19.83	202	113609	3.06 ng		98
89) Benzo(k)fluoranthene	23.90	252	75670	2.09 ng		97

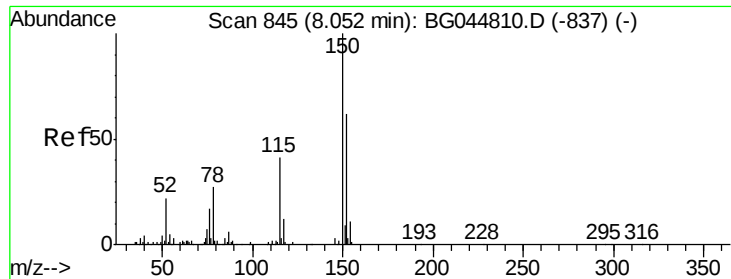
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 16 17:37:15 2020
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG044823.D

Acq: 16 Mar 2020 21:36

Instrument :

BNA_G

ClientSampleId :

TP-7-DA

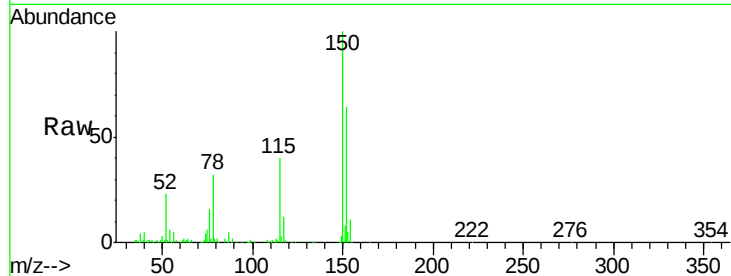
Tgt Ion:152 Resp: 114486

Ion Ratio Lower Upper

152 100

150 156.4 128.8 193.2

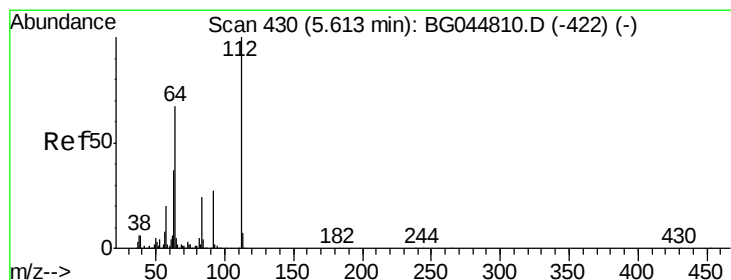
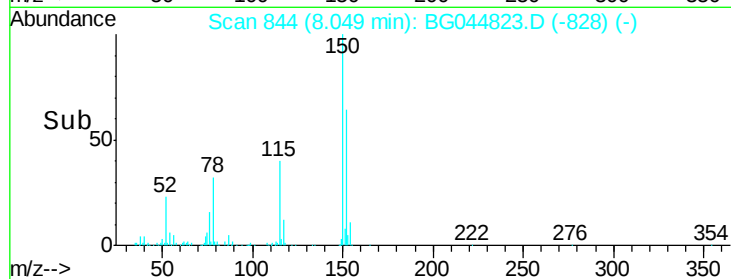
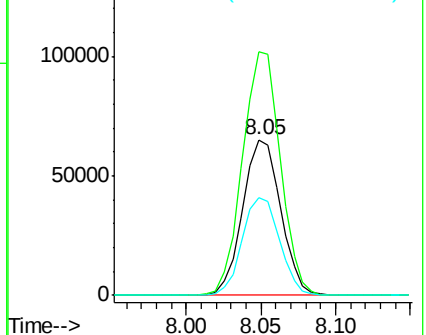
115 62.7 52.6 79.0



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: 95.11 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.01 min

Lab File: BG044823.D

Acq: 16 Mar 2020 21:36

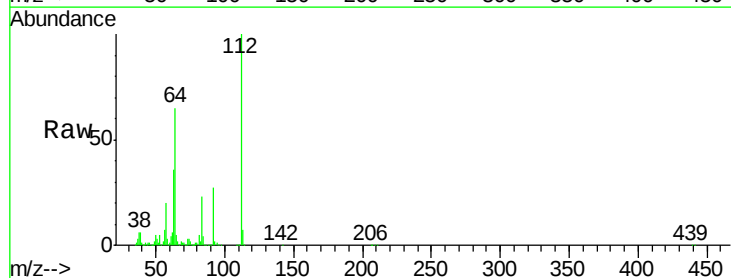
Tgt Ion:112 Resp: 699496

Ion Ratio Lower Upper

112 100

64 65.0 53.4 80.2

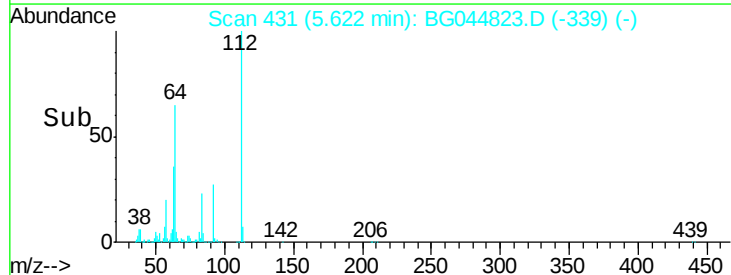
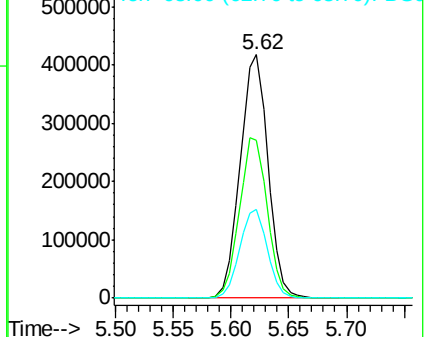
63 36.3 29.4 44.2

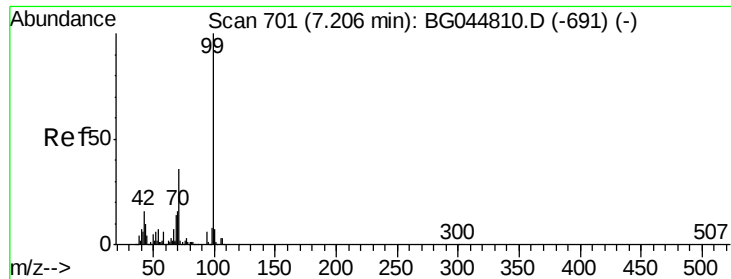


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 94.33 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044823.D

Acq: 16 Mar 2020 21:36

Instrument :

BNA_G

ClientSampleId :

TP-7-DA

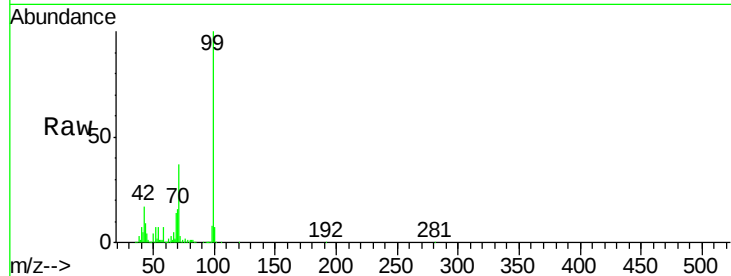
Tgt Ion: 99 Resp: 1007963

Ion Ratio Lower Upper

99 100

42 17.1 12.6 19.0

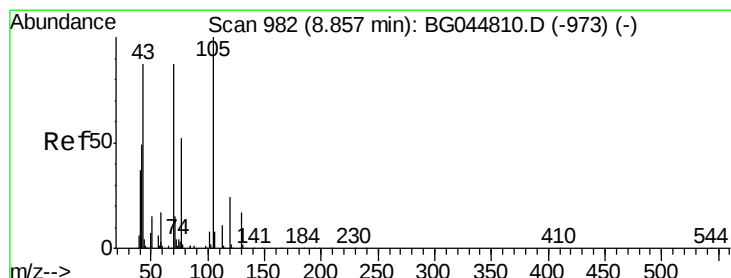
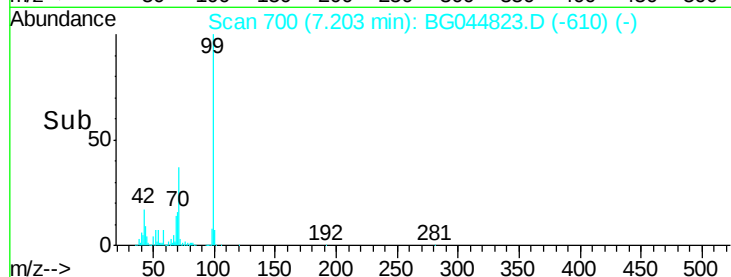
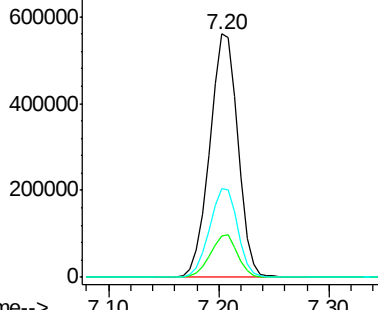
71 36.5 29.0 43.4



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: 11.79 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044823.D

Acq: 16 Mar 2020 21:36

Tgt Ion: 70 Resp: 88963

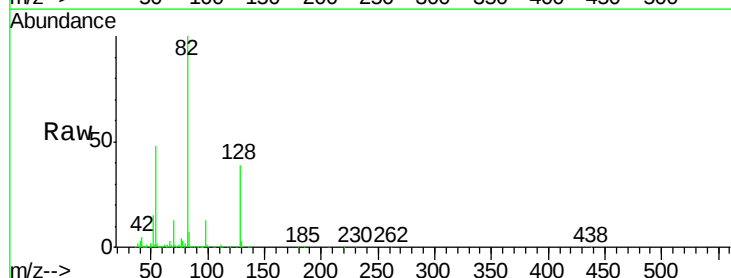
Ion Ratio Lower Upper

70 100

42 40.2 45.7 68.5#

101 0.0 7.4 11.2#

130 2.5 15.9 23.9#

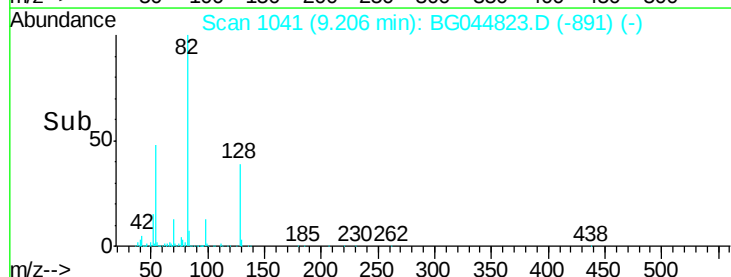
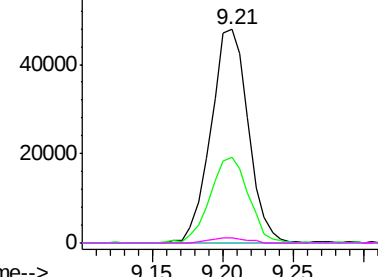


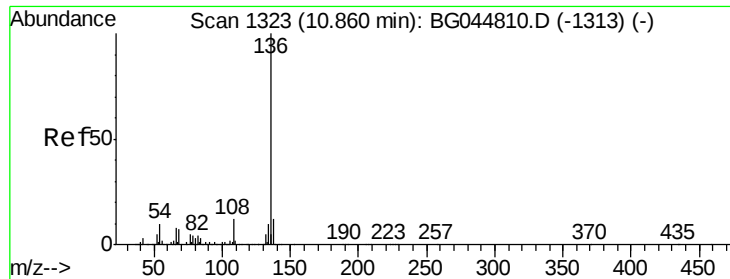
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

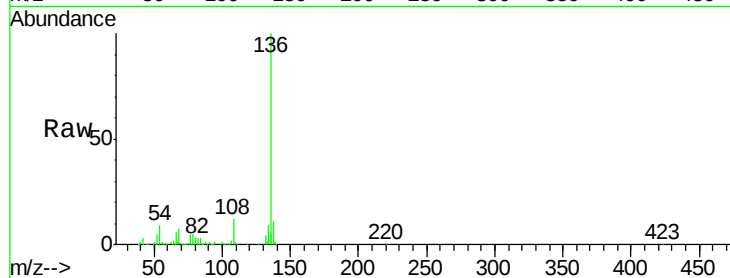




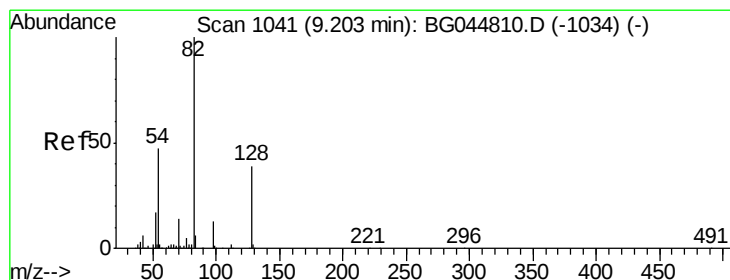
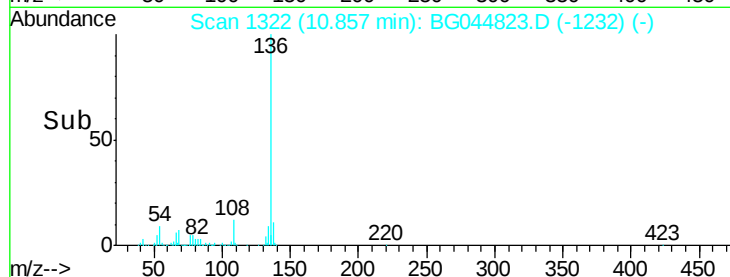
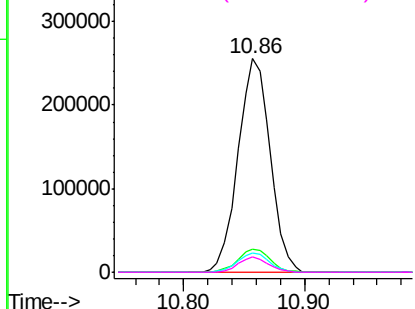
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG044823.D
Acq: 16 Mar 2020 21:36

Instrument :
BNA_G
ClientSampleId :
TP-7-DA

Tgt Ion:	136	Resp:	472369
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.8	14.6
54	8.9	7.9	11.9
68	7.2	5.4	8.0

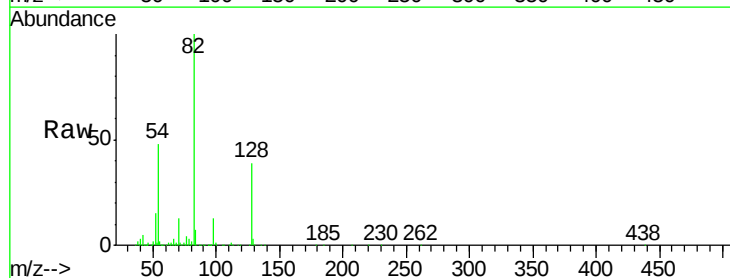


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

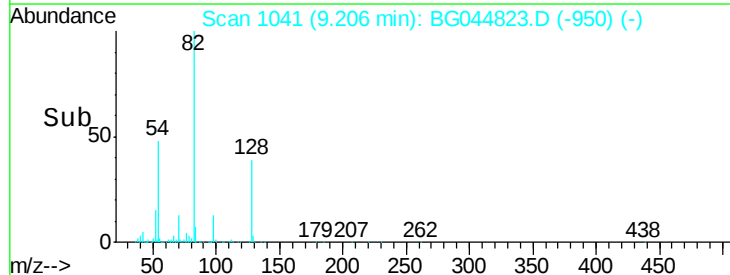
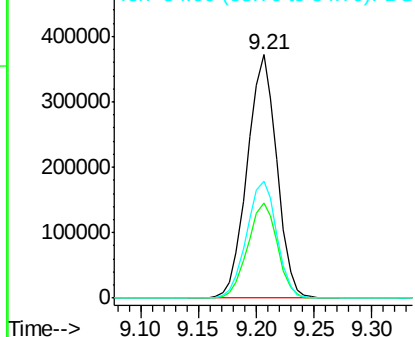


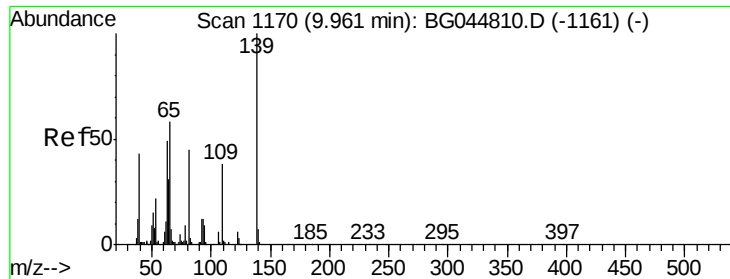
#23
Nitrobenzene-d5
Concen: 61.58 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG044823.D
Acq: 16 Mar 2020 21:36

Tgt Ion:	82	Resp:	662921
Ion	Ratio	Lower	Upper
82	100		
128	39.1	30.6	46.0
54	47.8	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

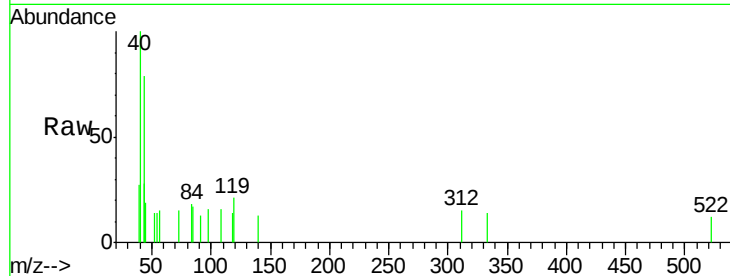




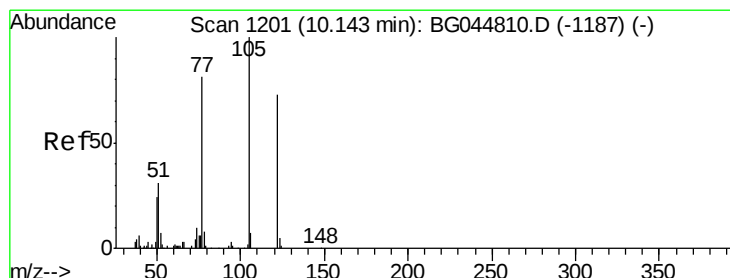
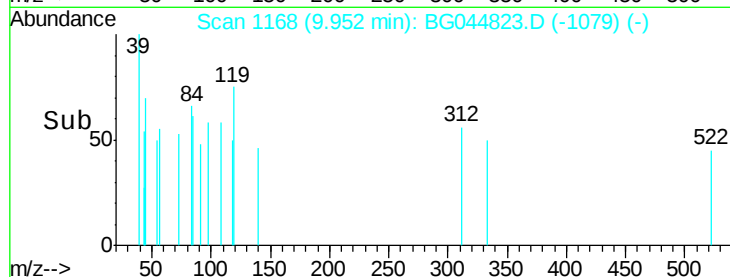
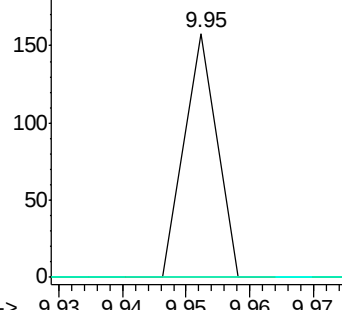
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.95 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BG044823.D
Acq: 16 Mar 2020 21:36

Instrument :
BNA_G
ClientSampleId :
TP-7-DA

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

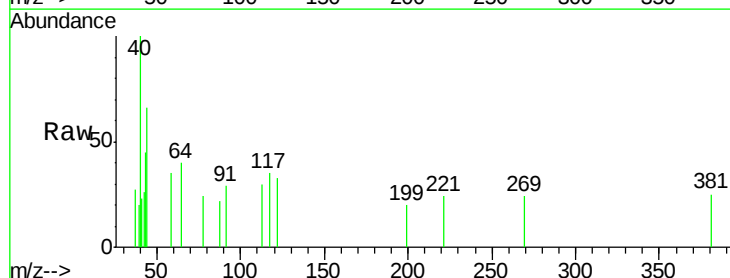


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

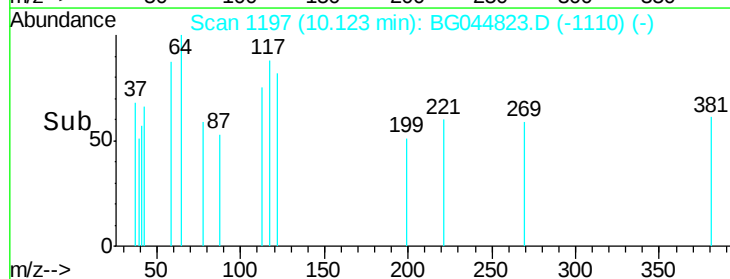
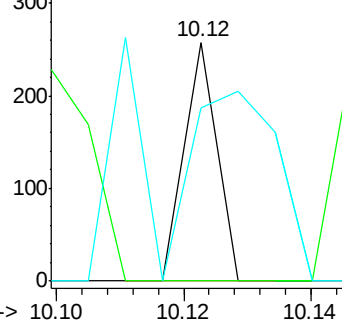


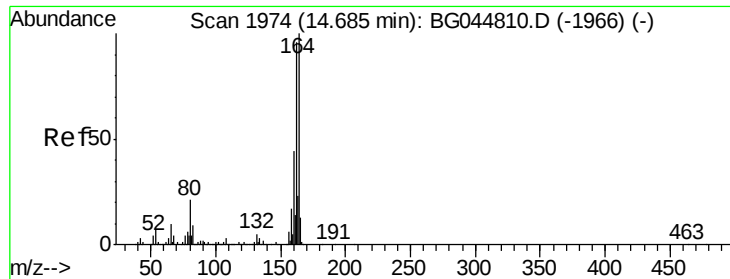
#32
Benzoic acid
Concen: 9.68 ng
RT: 10.12 min Scan# 1197
Delta R.T. -0.02 min
Lab File: BG044823.D
Acq: 16 Mar 2020 21:36

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	72.5	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# 1973

Delta R.T. -0.00 min

Lab File: BG044823.D

Acq: 16 Mar 2020 21:36

Instrument :

BNA_G

ClientSampleId :

TP-7-DA

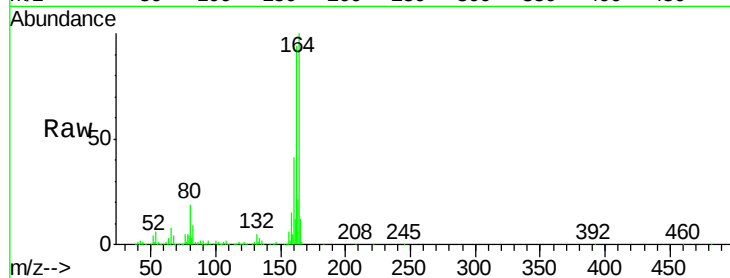
Tgt Ion:164 Resp: 311992

Ion Ratio Lower Upper

164 100

162 93.5 76.7 115.1

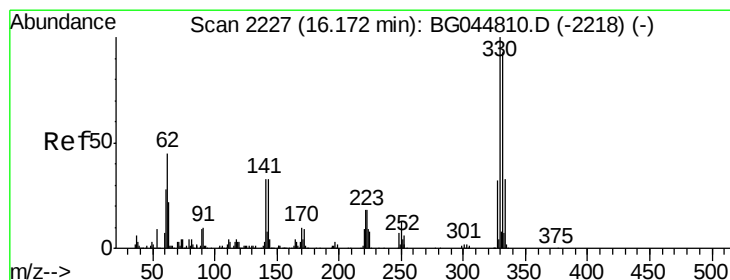
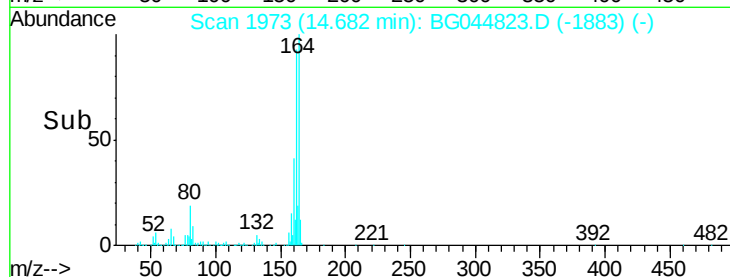
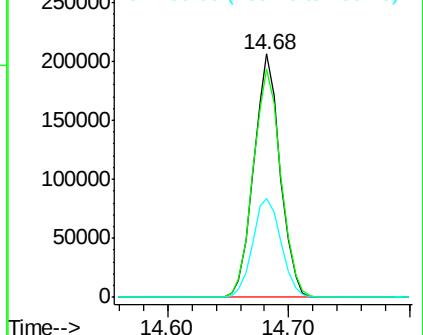
160 40.9 35.0 52.4



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: 99.85 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG044823.D

Acq: 16 Mar 2020 21:36

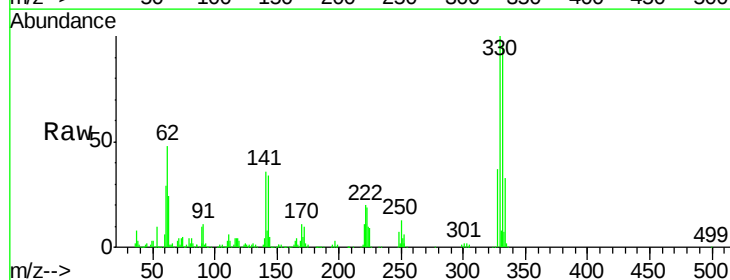
Tgt Ion:330 Resp: 407905

Ion Ratio Lower Upper

330 100

332 95.7 77.8 116.6

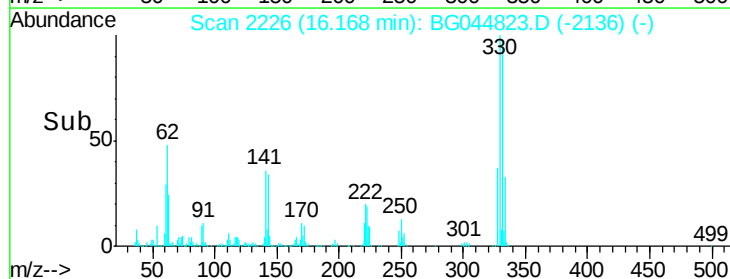
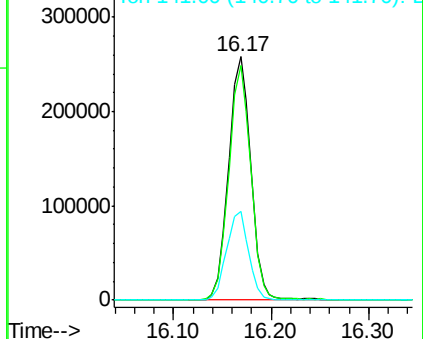
141 36.5 29.5 44.3

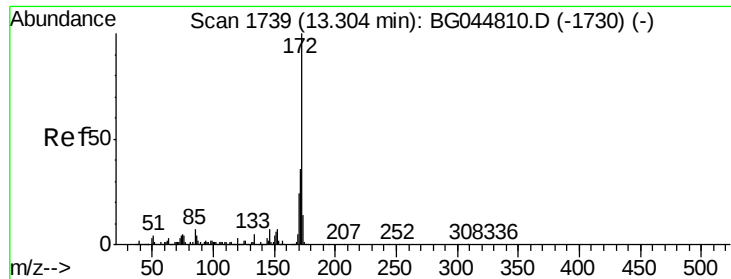


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

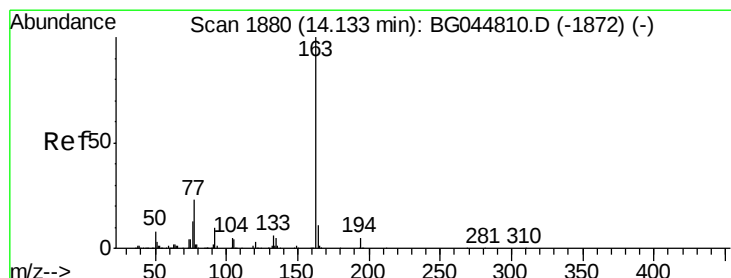
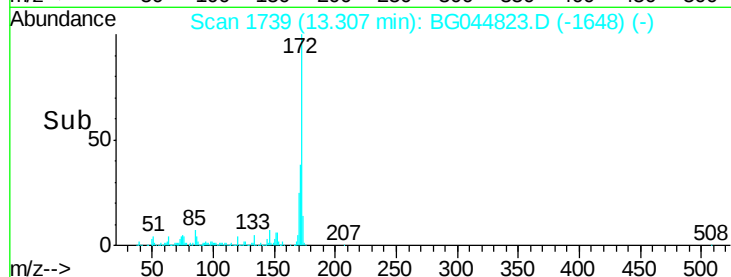
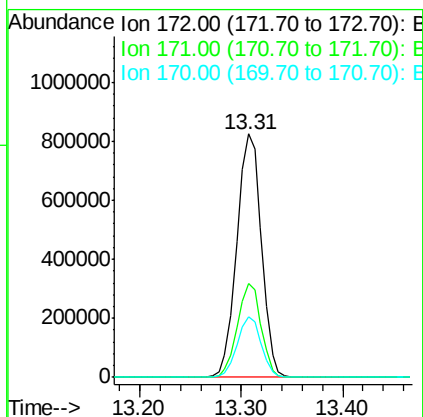
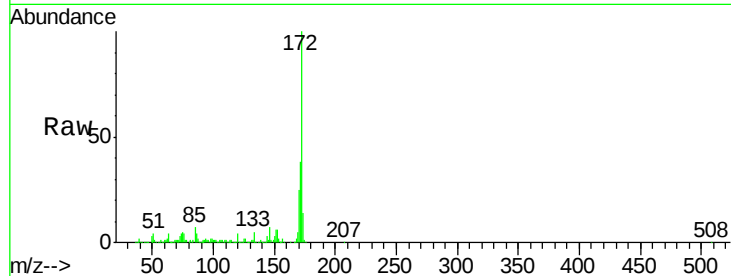




#45
2-Fluorobiphenyl
Concen: 63.62 ng
RT: 13.31 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044823.D
Acq: 16 Mar 2020 21:36

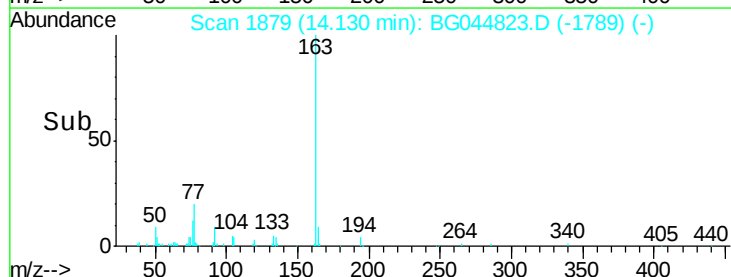
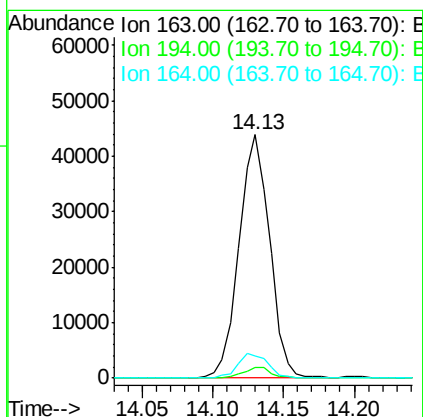
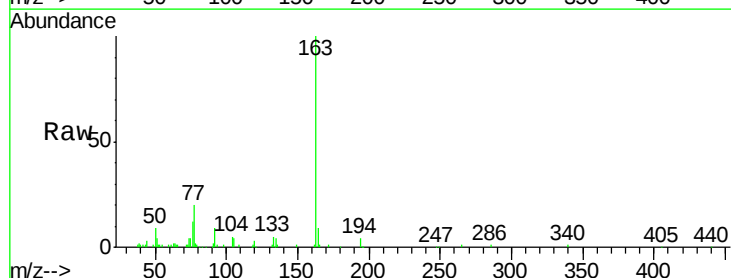
Instrument :
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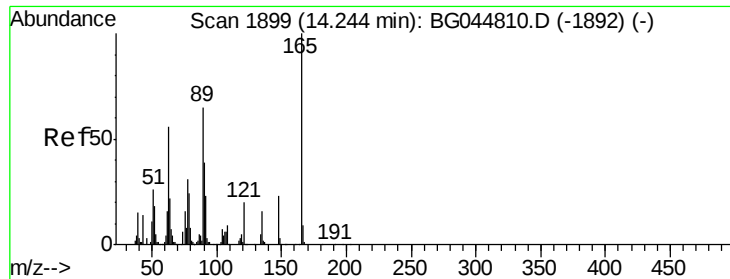
Tgt Ion:172 Resp: 1386098
Ion Ratio Lower Upper
172 100
171 38.3 28.7 43.1
170 24.7 19.0 28.6



#50
Dimethylphthalate
Concen: 2.68 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG044823.D
Acq: 16 Mar 2020 21:36

Tgt Ion:163 Resp: 66513
Ion Ratio Lower Upper
163 100
194 4.5 3.7 5.5
164 9.1 9.1 13.7#

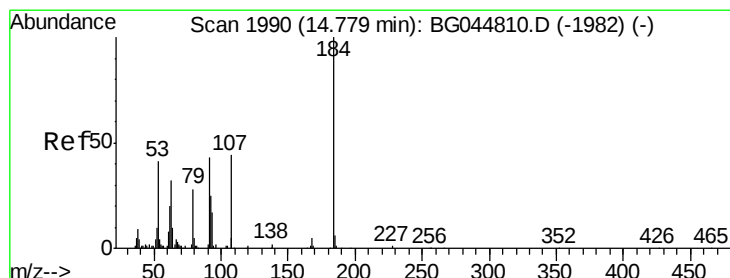
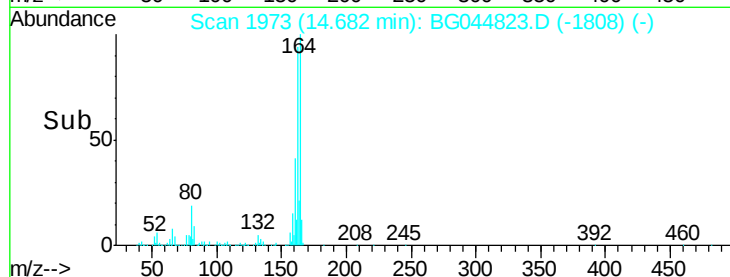
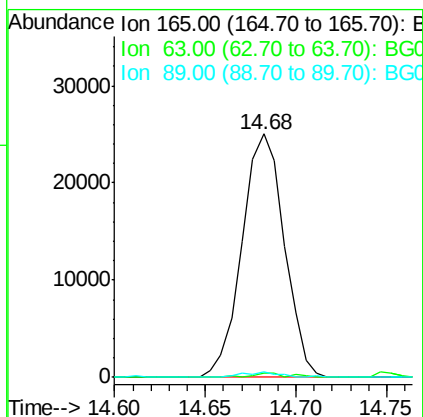
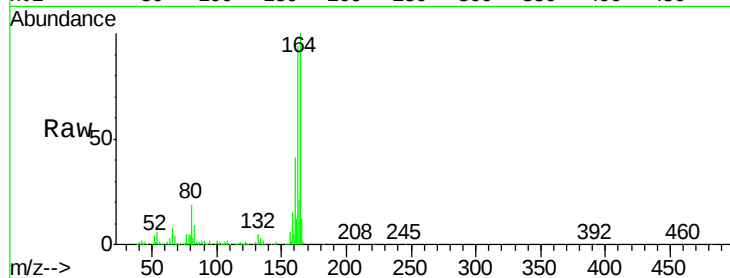




#51
 2,6-Dinitrotoluene
 Concen: 8.11 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.44 min
 Lab File: BG044823.D
 Acq: 16 Mar 2020 21:36

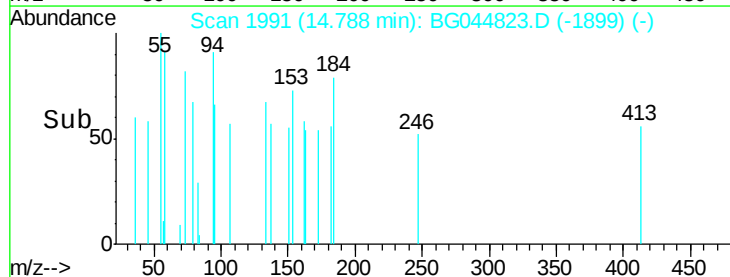
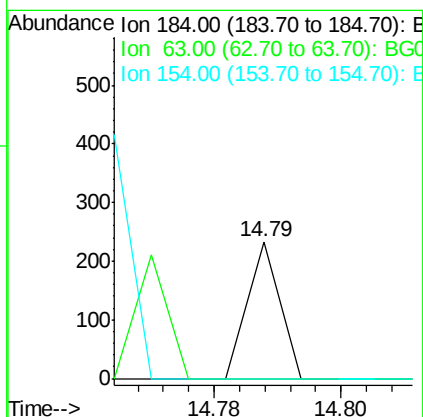
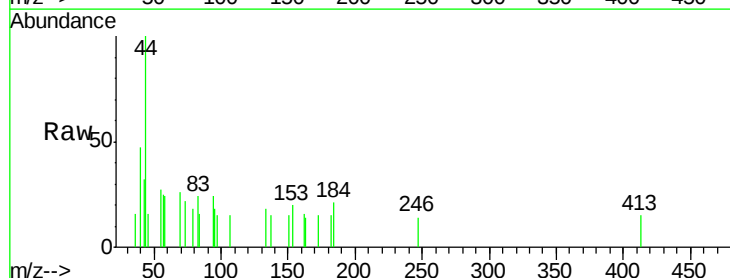
Instrument :
 BNA_G
 ClientSampleId :
 TP-7-DA

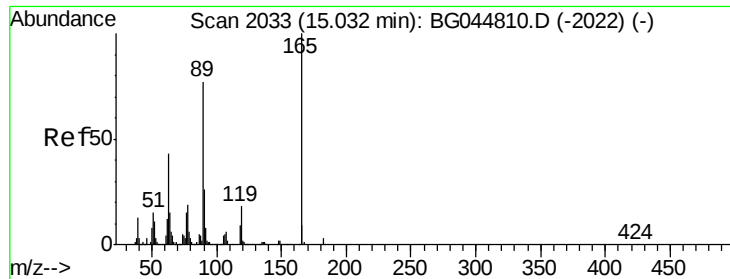
Tgt Ion:165 Resp: 40611
 Ion Ratio Lower Upper
 165 100
 63 1.9 45.8 68.8#
 89 2.2 51.8 77.6#



#54
 2,4-Dinitrophenol
 Concen: 8.35 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.01 min
 Lab File: BG044823.D
 Acq: 16 Mar 2020 21:36

Tgt Ion:184 Resp: 82
 Ion Ratio Lower Upper
 184 100
 63 0.0 45.5 68.3#
 154 0.0 49.1 73.7#

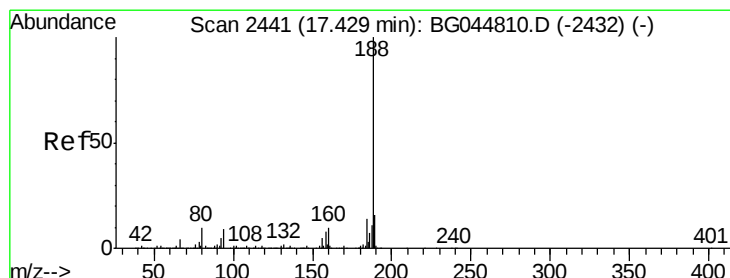
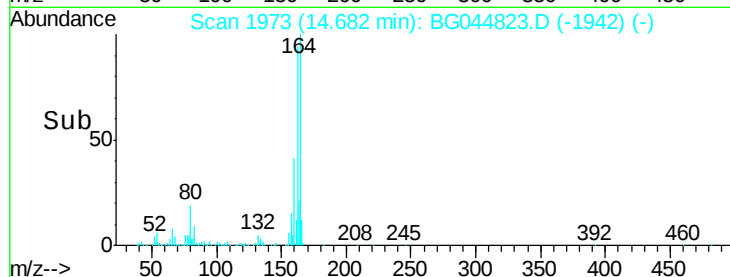
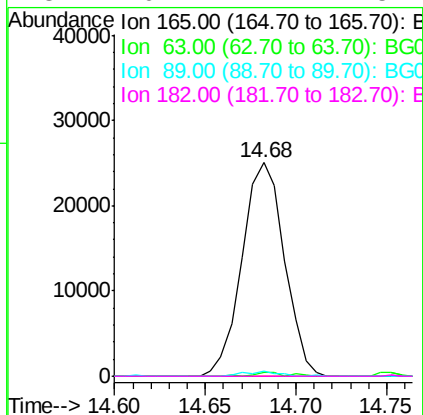
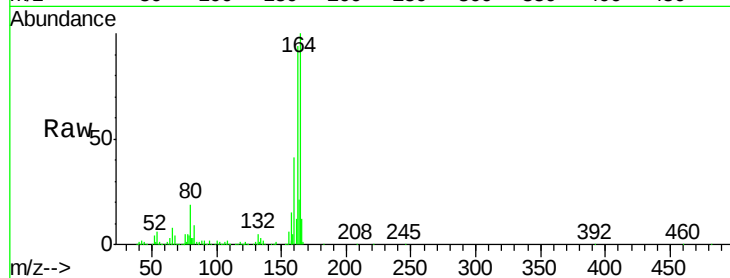




#57
 2,4-Dinitrotoluene
 Concen: 5.91 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.35 min
 Lab File: BG044823.D
 Acq: 16 Mar 2020 21:36

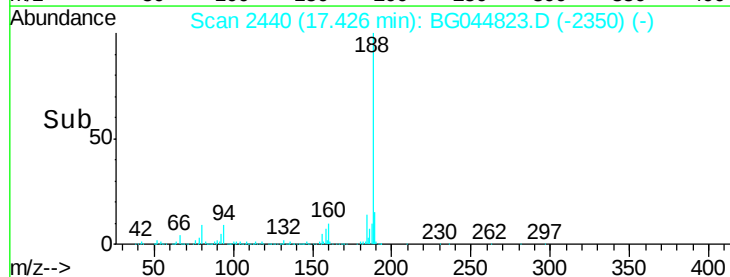
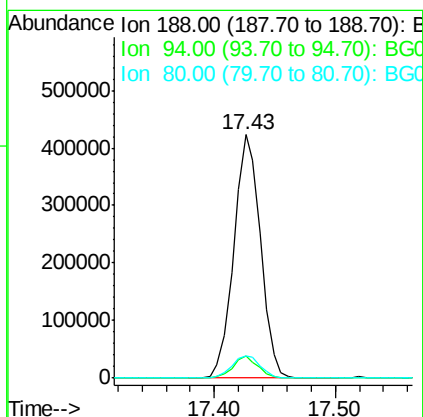
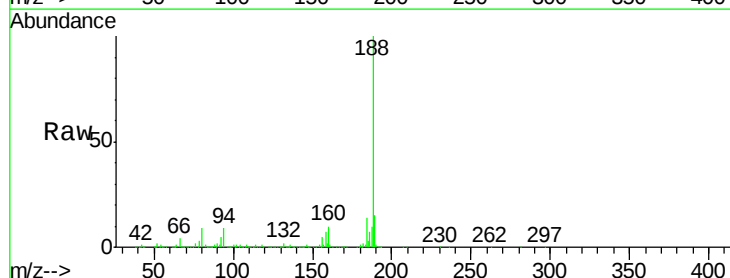
Instrument :
 BNA_G
 ClientSampleId :
 TP-7-DA

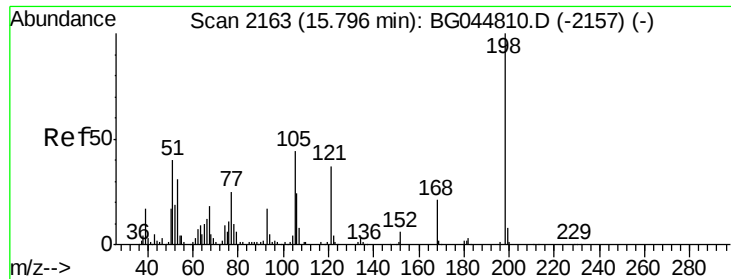
Tgt Ion:165 Resp: 40611
 Ion Ratio Lower Upper
 165 100
 63 1.9 34.6 52.0#
 89 2.2 61.3 91.9#
 182 0.7 2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.43 min Scan# 2440
 Delta R.T. -0.00 min
 Lab File: BG044823.D
 Acq: 16 Mar 2020 21:36

Tgt Ion:188 Resp: 650012
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.3 10.9
 80 9.3 8.0 12.0

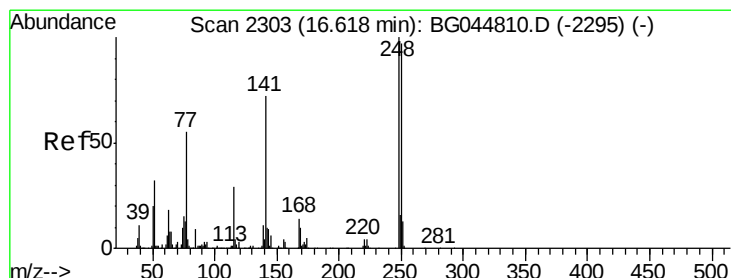
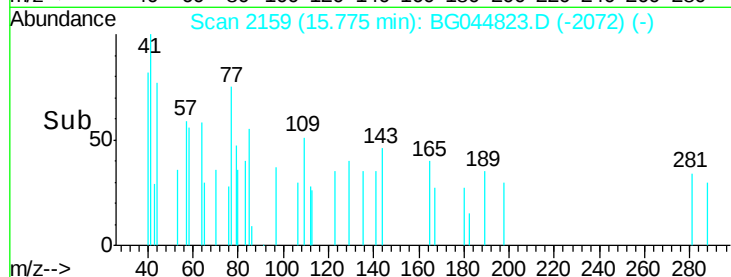
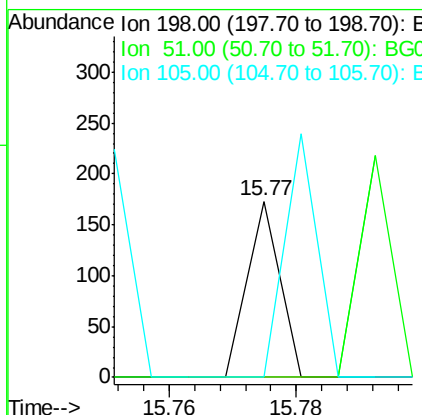
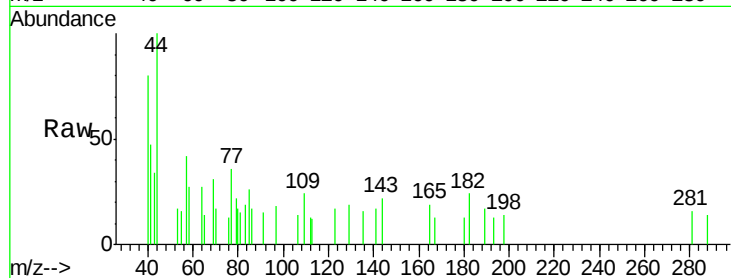




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.74 ng
 RT: 15.77 min Scan# 2159
 Delta R.T. -0.02 min
 Lab File: BG044823.D
 Acq: 16 Mar 2020 21:36

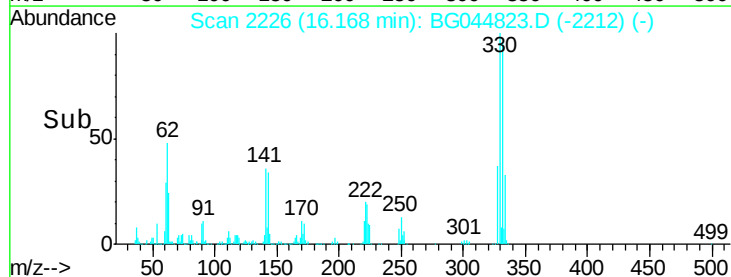
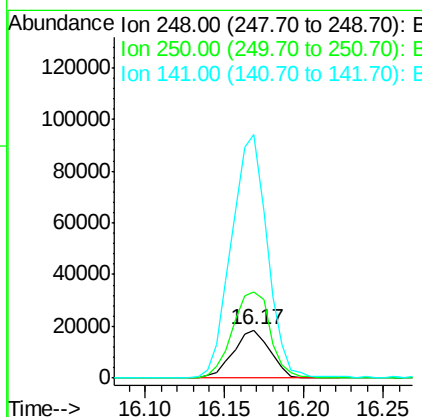
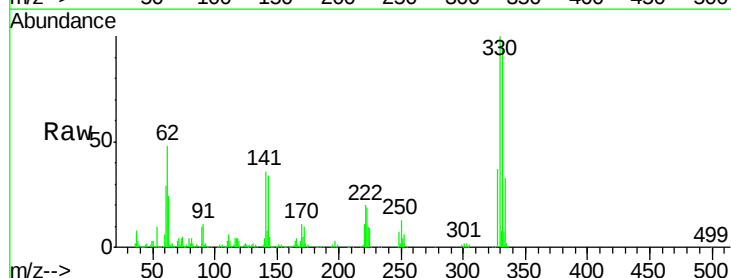
Instrument :
 BNA_G
 ClientSampleId :
 TP-7-DA

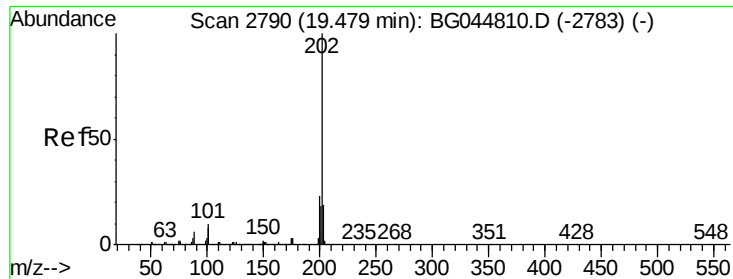
Tgt Ion:198 Resp: 61
 Ion Ratio Lower Upper
 198 100
 51 0.0 21.1 61.1#
 105 0.0 24.5 64.5#



#67
 4-Bromophenyl-phenylether
 Concen: 3.69 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.45 min
 Lab File: BG044823.D
 Acq: 16 Mar 2020 21:36

Tgt Ion:248 Resp: 29972
 Ion Ratio Lower Upper
 248 100
 250 179.7 77.9 116.9#
 141 508.2 57.5 86.3#





#75

Fluoranthene

Concen: 2.76 ng

RT: 19.48 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BG044823.D

Acq: 16 Mar 2020 21:36

Instrument :

BNA_G

ClientSampled :

TP-7-DA

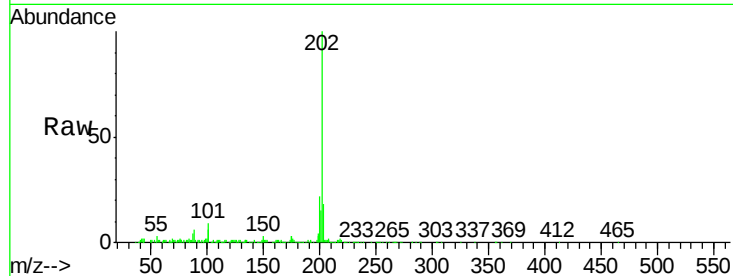
Tgt Ion:202 Resp: 114093

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.8

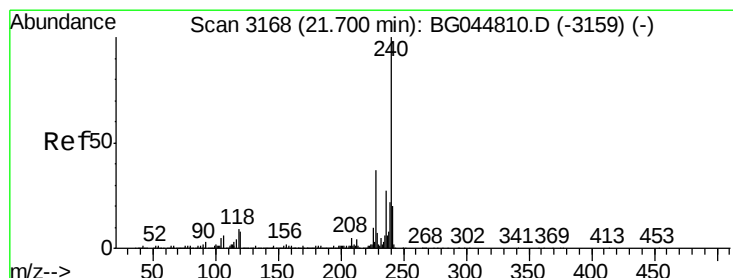
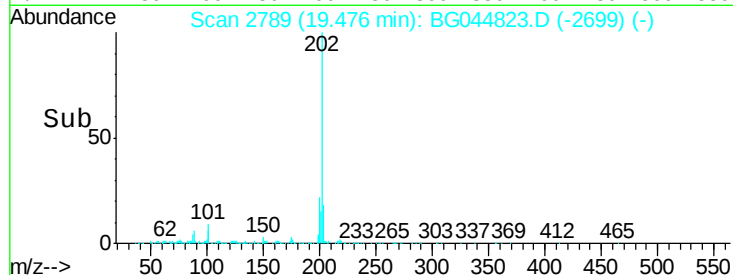
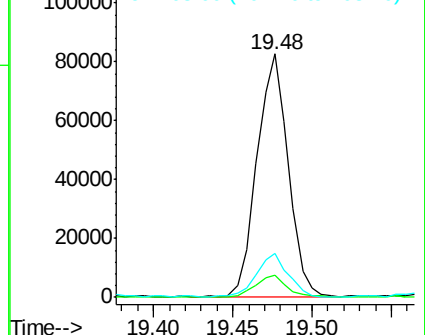
203 18.3 0.0 39.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG044823.D

Acq: 16 Mar 2020 21:36

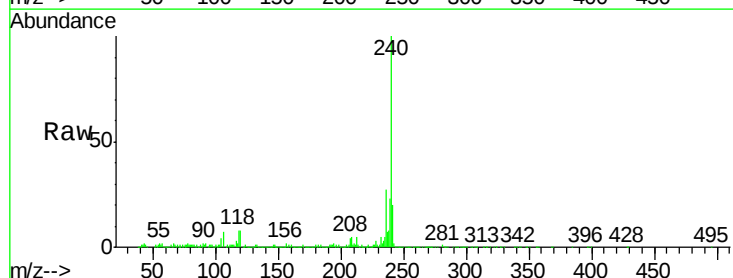
Tgt Ion:240 Resp: 505784

Ion Ratio Lower Upper

240 100

120 8.5 6.7 10.1

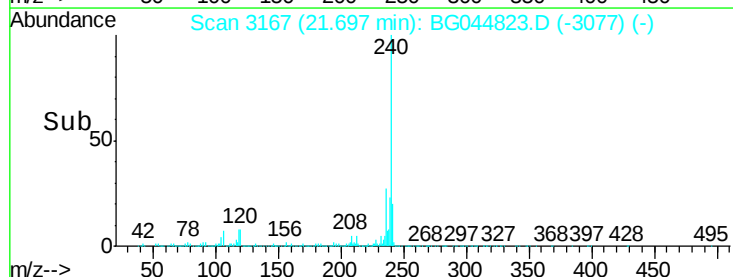
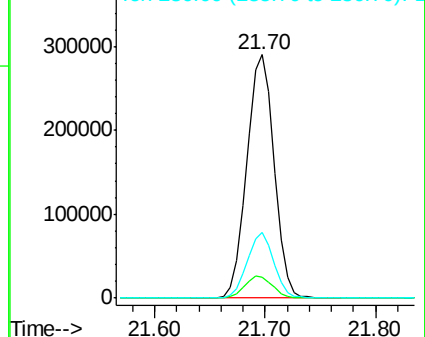
236 27.0 21.5 32.3

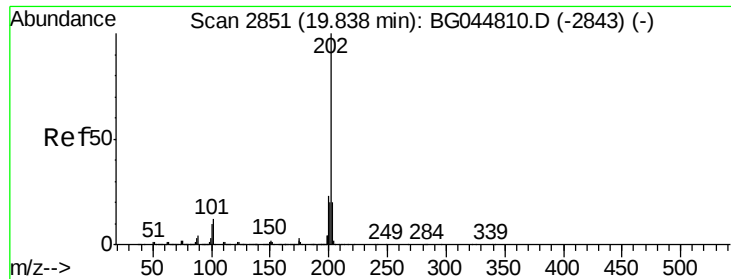


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 3.06 ng

RT: 19.83 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG044823.D

Acq: 16 Mar 2020 21:36

Instrument :

BNA_G

ClientSampleId :

TP-7-DA

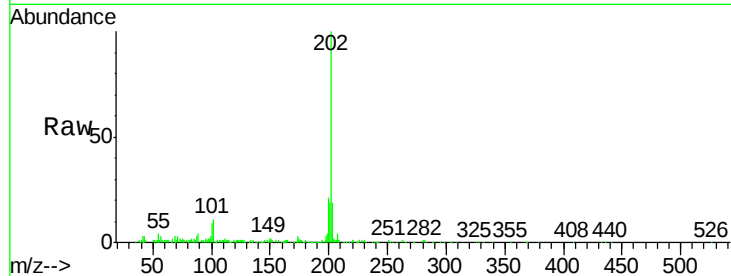
Tgt Ion:202 Resp: 113609

Ion Ratio Lower Upper

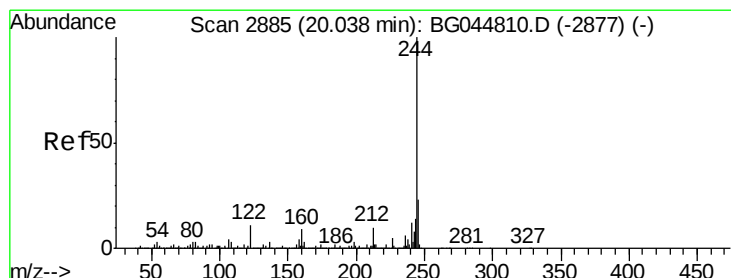
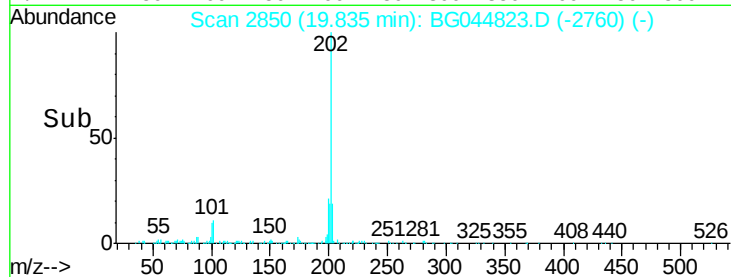
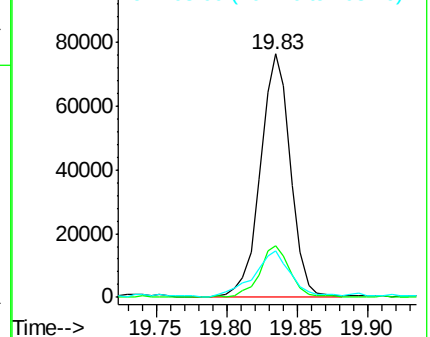
202 100

200 21.3 18.3 27.5

203 19.2 15.6 23.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 62.77 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG044823.D

Acq: 16 Mar 2020 21:36

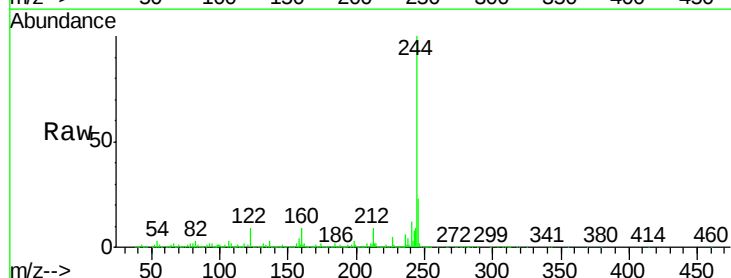
Tgt Ion:244 Resp: 1697181

Ion Ratio Lower Upper

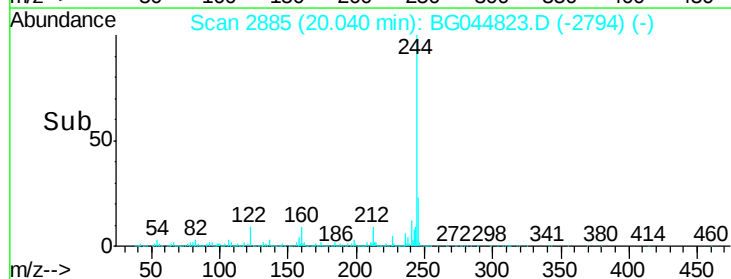
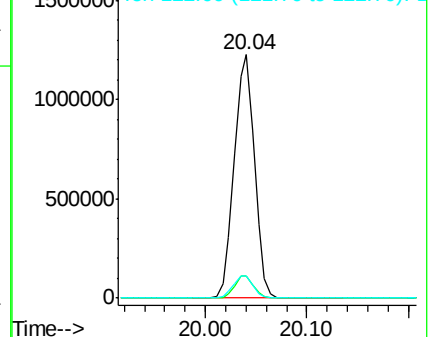
244 100

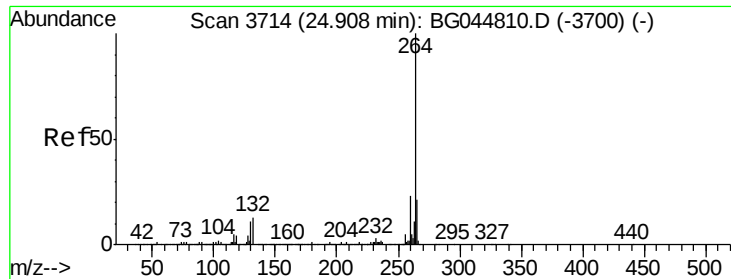
212 9.0 7.7 11.5

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

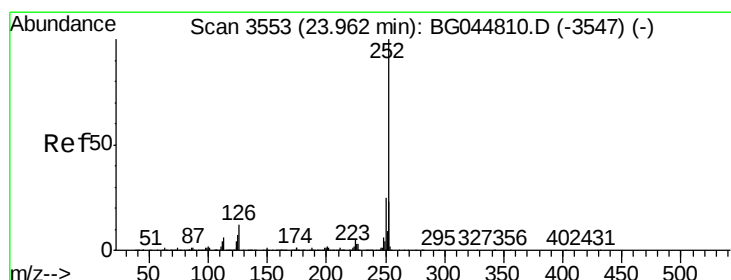
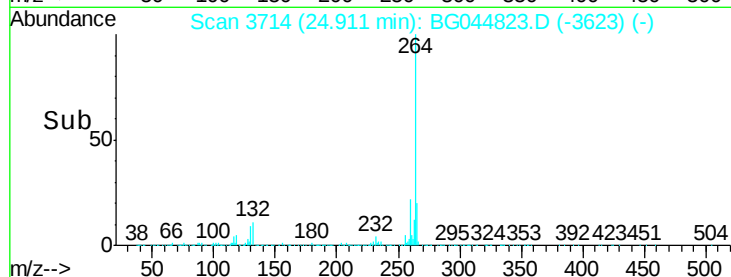
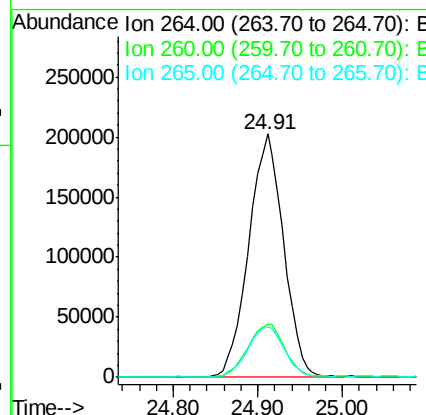
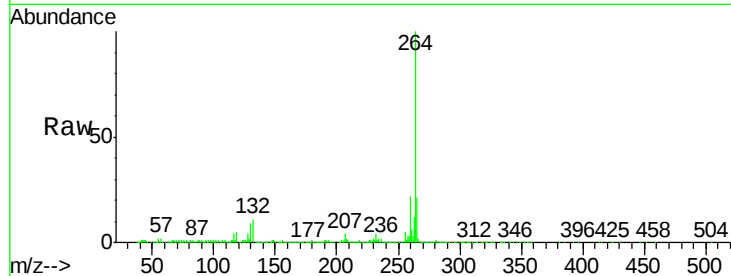




#87
Perylene-d12
Concen: 20.00 ng
RT: 24.91 min Scan# 3714
Delta R.T. 0.00 min
Lab File: BG044823.D
Acq: 16 Mar 2020 21:36

Instrument :
BNA_G
ClientSampleId :
TP-7-DA

Tgt Ion:264 Resp: 579906
Ion Ratio Lower Upper
264 100
260 21.8 18.1 27.1
265 20.6 17.1 25.7



#89
Benzo(k)fluoranthene
Concen: 2.09 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.06 min
Lab File: BG044823.D
Acq: 16 Mar 2020 21:36

Tgt Ion:252 Resp: 75670
Ion Ratio Lower Upper
252 100
253 24.5 18.5 27.7
125 9.2 6.2 9.2

