

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040720\
 Data File : BG044963.D
 Acq On : 7 Apr 2020 20:20
 Operator : CG/JU
 Sample : L2161-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RECLAIM-SYSTEM-SEDIMENT-PIT

Quant Time: Apr 08 02:24:17 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 23 07:18:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	86611	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	326619	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	217784	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	503756	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	511108	20.00	ng	-0.02
87) Perylene-d12	24.90	264	554627	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	549252	98.72	ng	0.00
7) Phenol-d6	7.20	99	728817	90.16	ng	0.00
23) Nitrobenzene-d5	9.19	82	585109	78.61	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	493184	172.95	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1331552	87.56	ng	0.00
79) Terphenyl-d14	20.03	244	2180374	79.80	ng	0.00

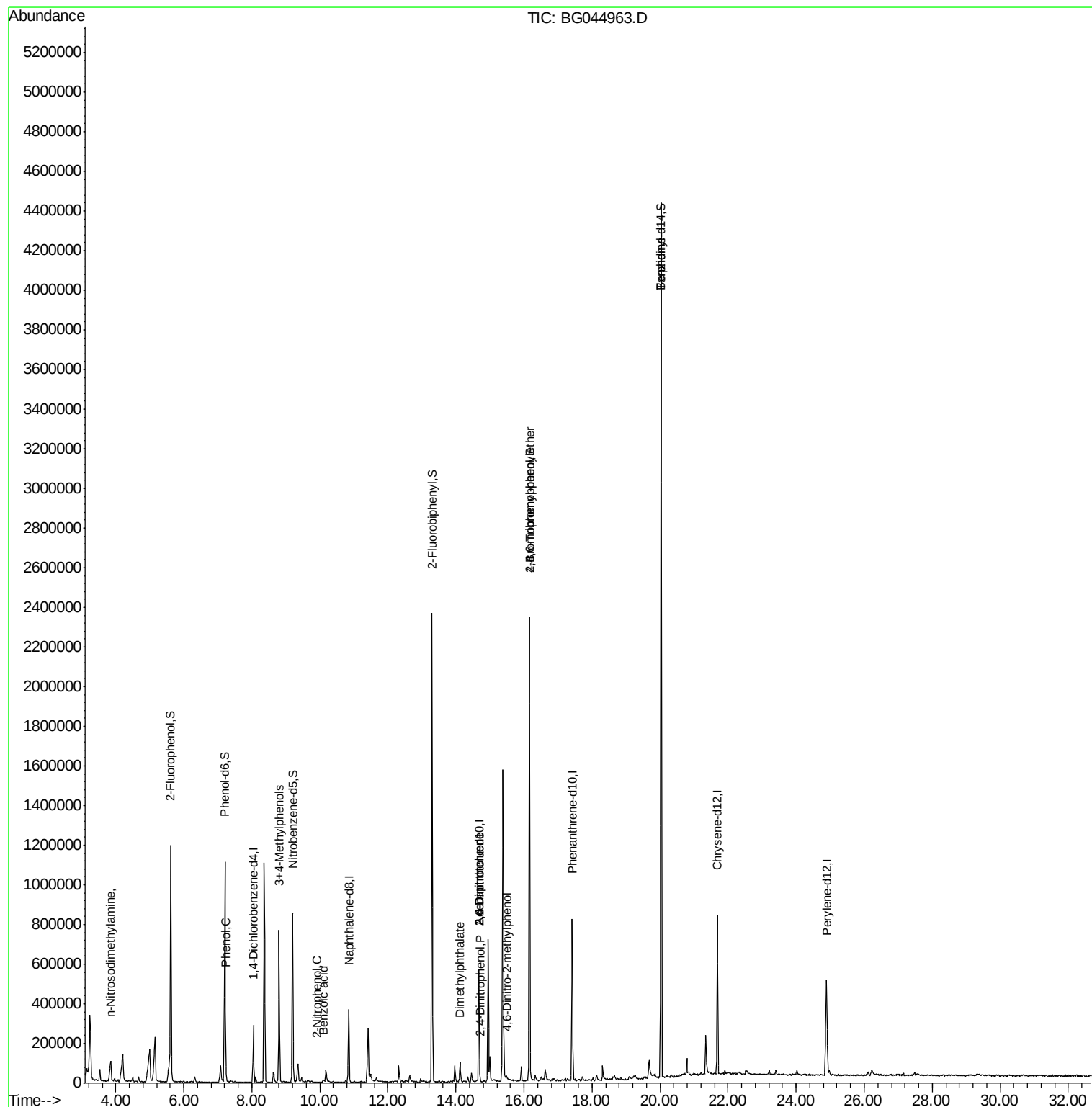
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.86	42	12035	4.00	ng	# 1
9) Benzaldehyde	7.20	77	2116	Below Cal		# 6
10) Phenol	7.23	94	59959	7.49	ng	91
20) 3+4-Methylphenols	8.80	107	367986	49.24	ng	90
26) 2-Nitrophenol	9.92	139	75	5.54	ng	# 28
32) Benzoic acid	10.10	122	6378	11.05	ng	88
50) Dimethylphthalate	14.12	163	64331	3.71	ng	# 98
51) 2,6-Dinitrotoluene	14.68	165	29228	8.36	ng	# 23
54) 2,4-Dinitrophenol	14.73	184	88	8.37	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	29228	6.10	ng	# 24
65) 4,6-Dinitro-2-methylphenol	15.48	198	79	7.76	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	32379	5.14	ng	# 1
77) Benzidine	20.03	184	41679	2.51	ng	# 90

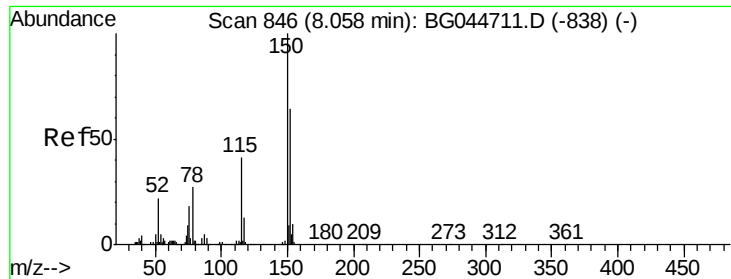
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG044963.D

Acq: 7 Apr 2020 20:20

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

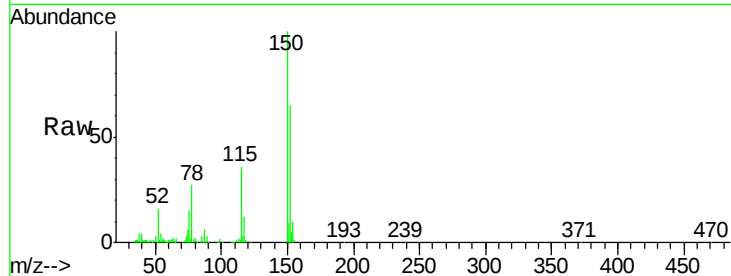
Tgt Ion:152 Resp: 86611

Ion Ratio Lower Upper

152 100

150 153.5 128.8 193.2

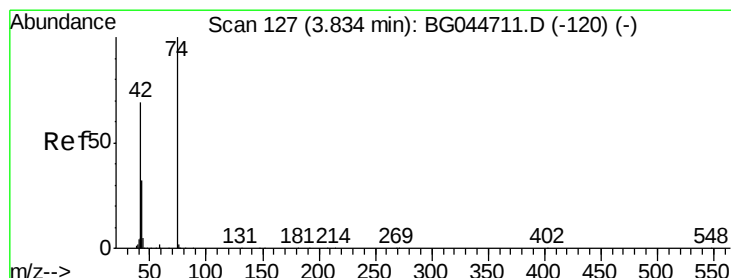
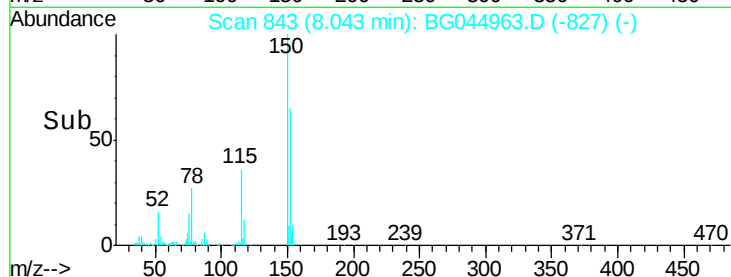
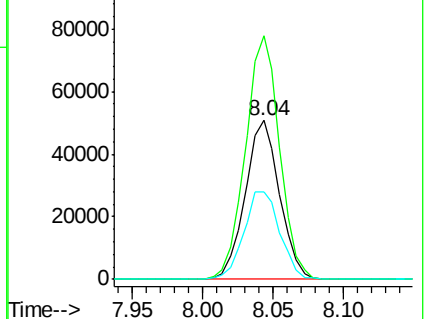
115 55.0 52.6 79.0



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



#4

n-Nitrosodimethylamine

Concen: 4.00 ng

RT: 3.86 min Scan# 131

Delta R.T. 0.03 min

Lab File: BG044963.D

Acq: 7 Apr 2020 20:20

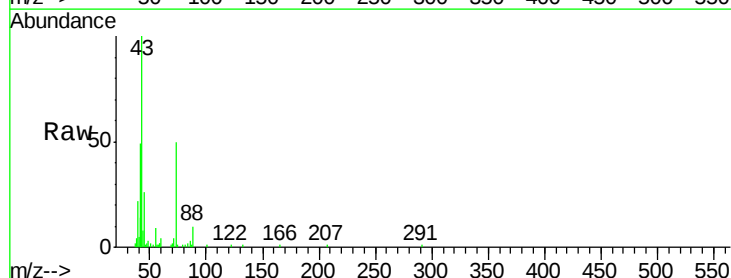
Tgt Ion: 42 Resp: 12035

Ion Ratio Lower Upper

42 100

74 8.7 109.1 163.7#

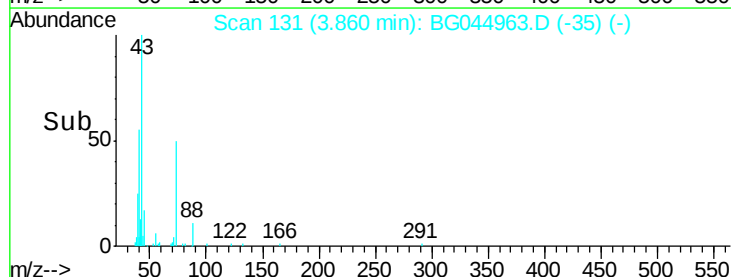
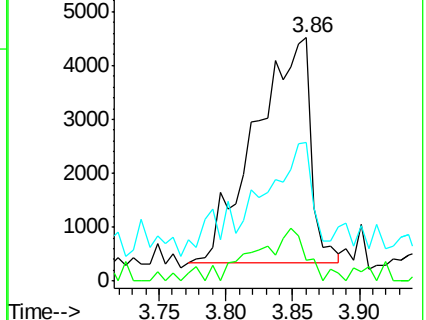
44 57.1 5.4 8.2#

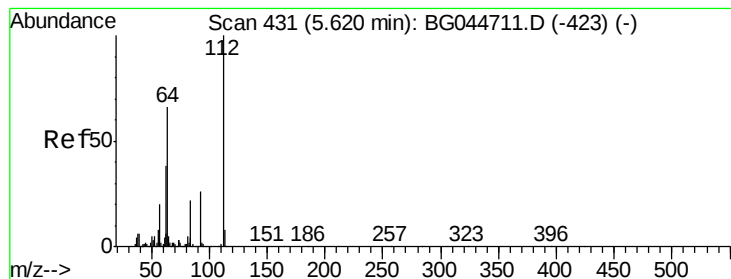


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 98.72 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044963.D

Acq: 7 Apr 2020 20:20

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

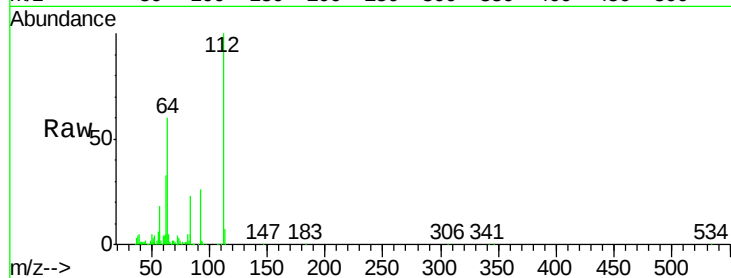
Tgt Ion: 112 Resp: 549252

Ion Ratio Lower Upper

112 100

64 59.8 53.4 80.2

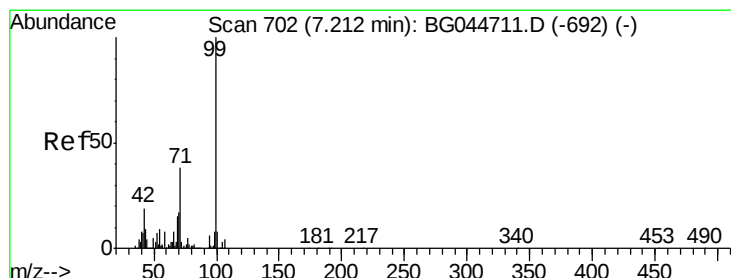
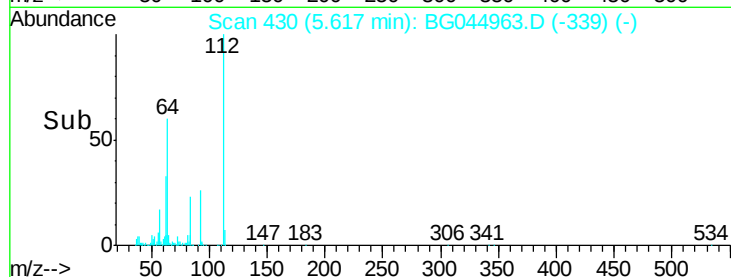
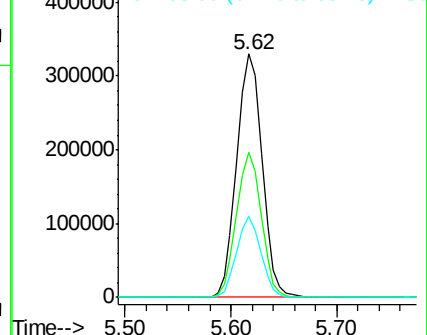
63 33.1 29.4 44.2



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: 90.16 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044963.D

Acq: 7 Apr 2020 20:20

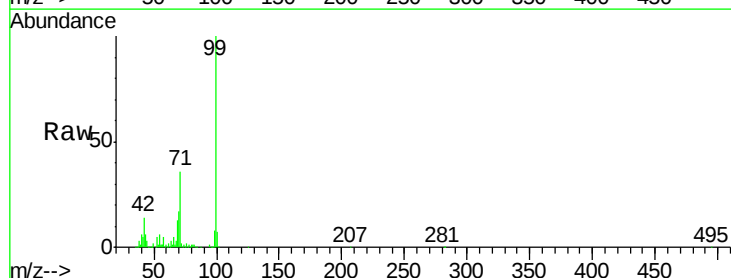
Tgt Ion: 99 Resp: 728817

Ion Ratio Lower Upper

99 100

42 14.2 12.6 19.0

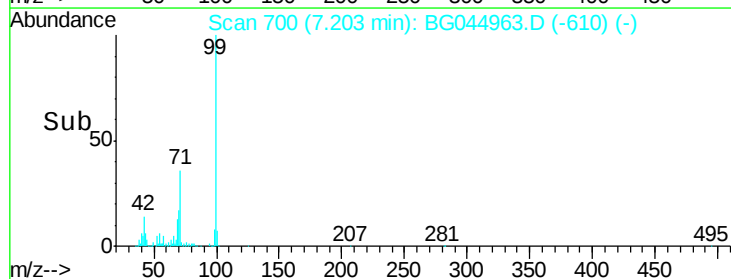
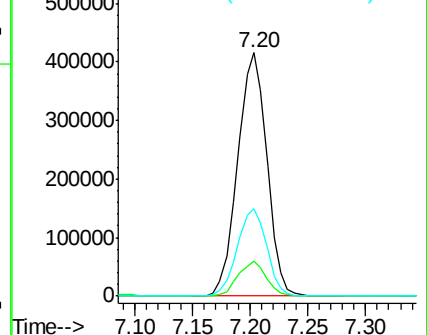
71 35.8 29.0 43.4

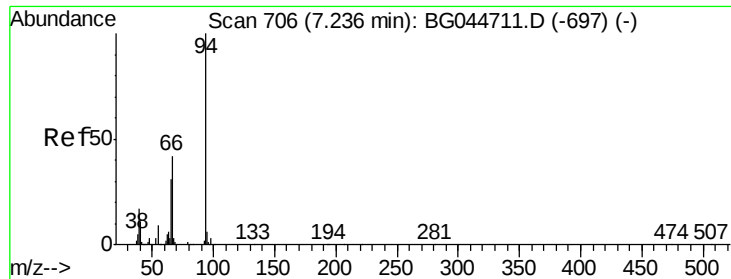


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 7.49 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.00 min

Lab File: BG044963.D

Acq: 7 Apr 2020 20:20

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

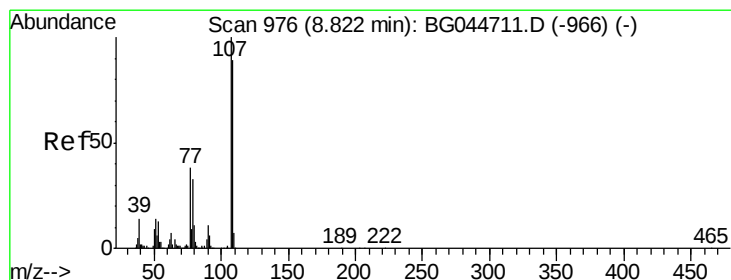
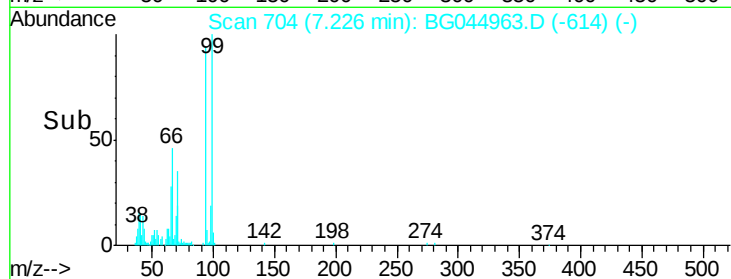
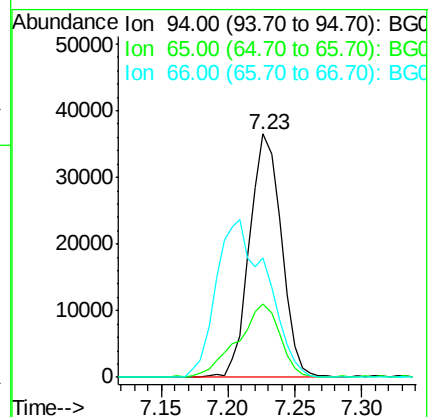
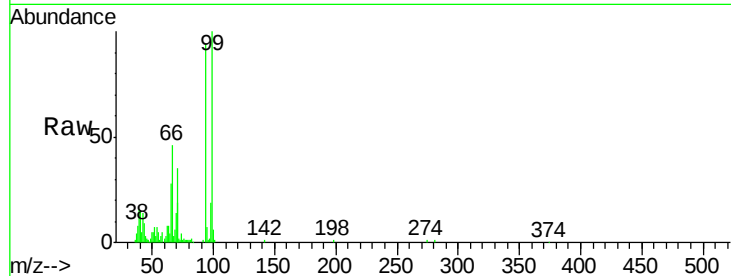
Tgt Ion: 94 Resp: 59959

Ion Ratio Lower Upper

94 100

65 30.1 11.0 51.0

66 49.1 20.1 60.1



#20

3+4-Methylphenols

Concen: 49.24 ng

RT: 8.80 min Scan# 972

Delta R.T. -0.01 min

Lab File: BG044963.D

Acq: 7 Apr 2020 20:20

Tgt Ion: 107 Resp: 367986

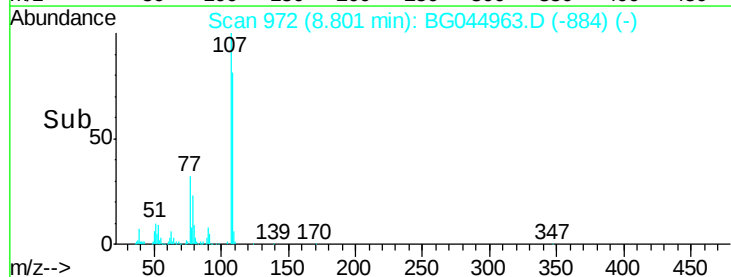
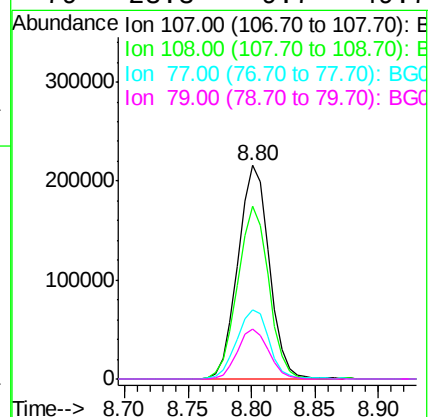
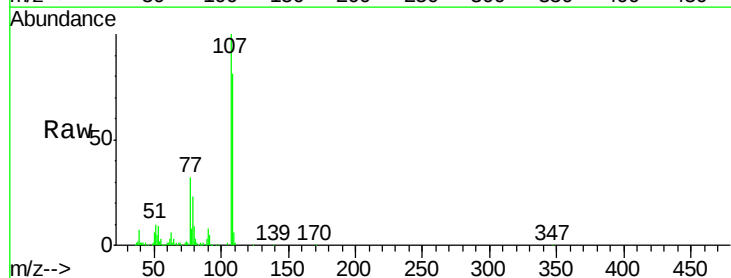
Ion Ratio Lower Upper

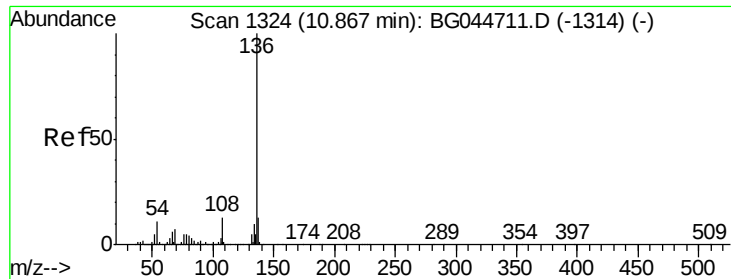
107 100

108 81.2 71.3 111.3

77 32.4 16.9 56.9

79 23.3 9.7 49.7

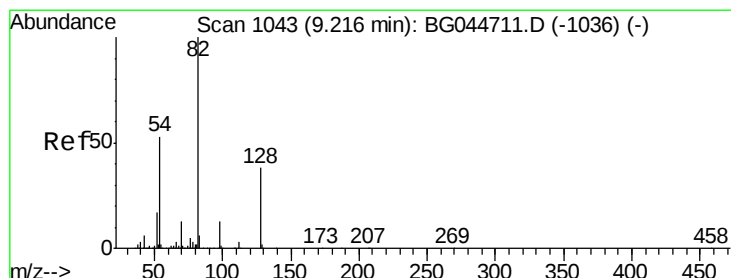
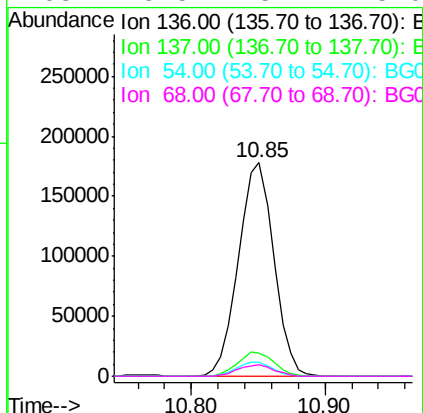
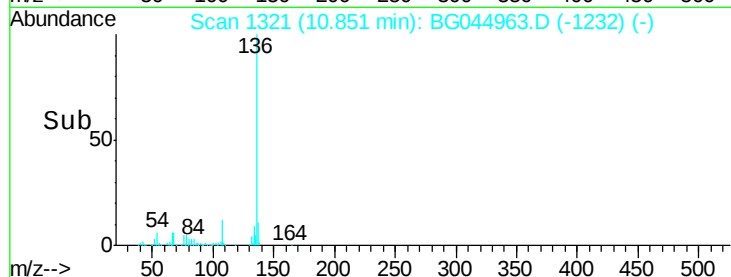
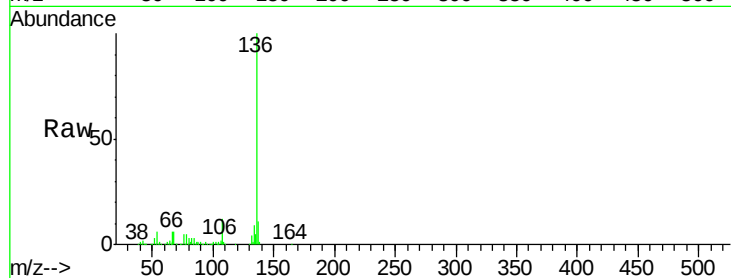




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044963.D
Acq: 7 Apr 2020 20:20

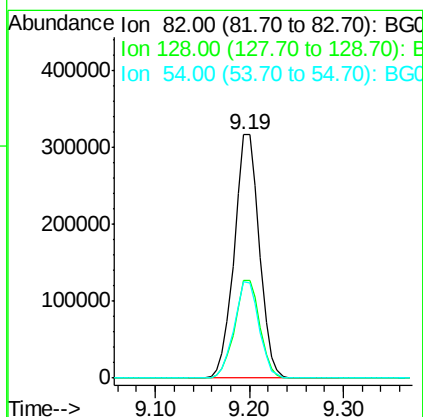
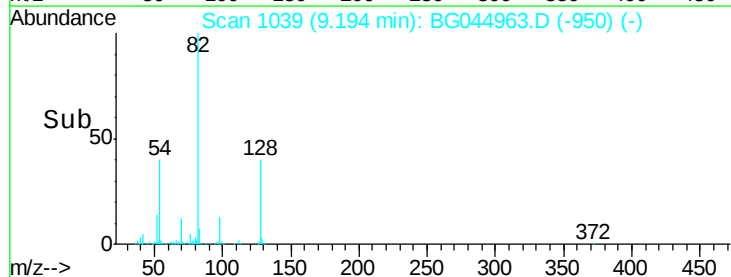
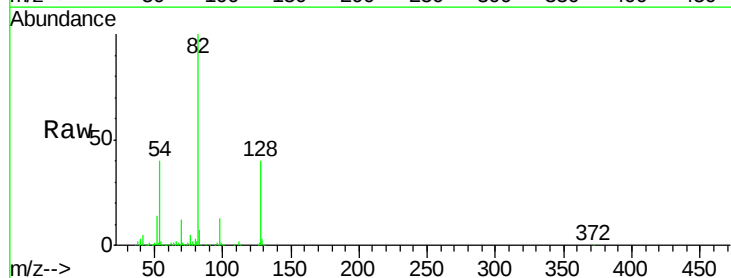
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RECLAIM-SYSTEM-SEDIMENT-PIT

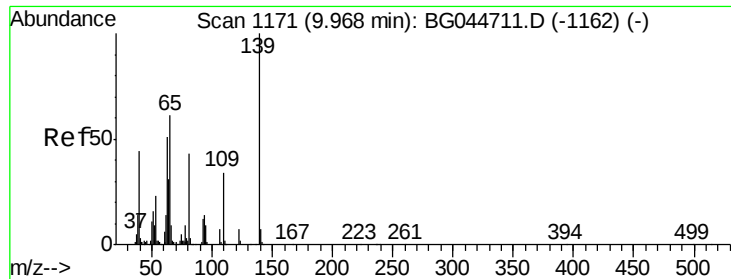
Tgt Ion:	136	Resp:	326619
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	6.5	7.9	11.9#
68	5.5	5.4	8.0



#23
Nitrobenzene-d5
Concen: 78.61 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BG044963.D
Acq: 7 Apr 2020 20:20

Tgt Ion:	82	Resp:	585109
Ion	Ratio	Lower	Upper
82	100		
128	40.0	30.6	46.0
54	39.6	37.1	55.7

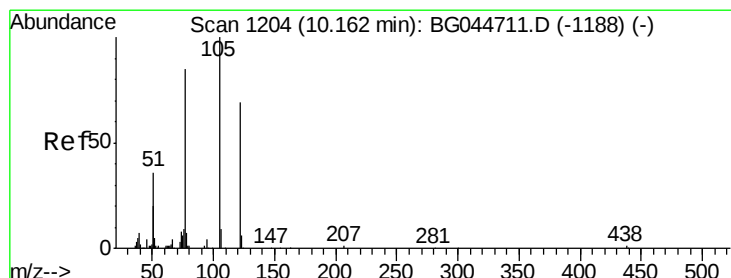
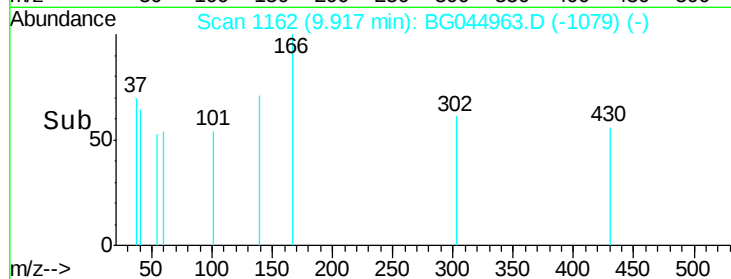
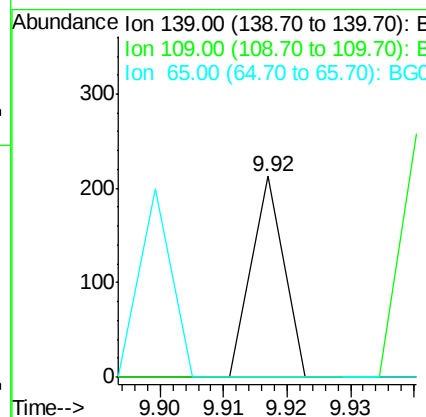
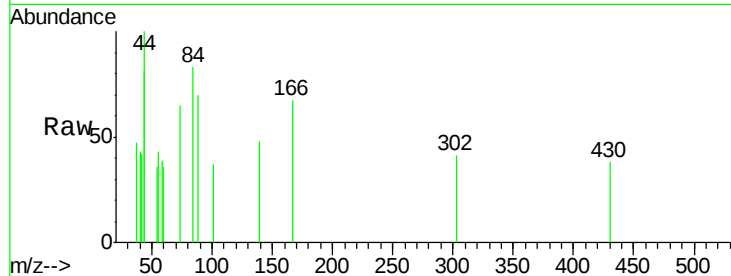




#26
2-Nitrophenol
Concen: 5.54 ng
RT: 9.92 min Scan# 1162
Delta R.T. -0.04 min
Lab File: BG044963.D
Acq: 7 Apr 2020 20:20

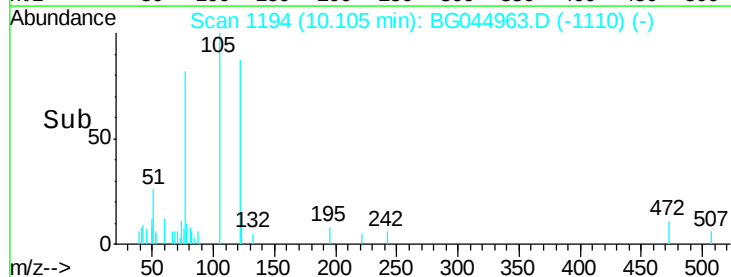
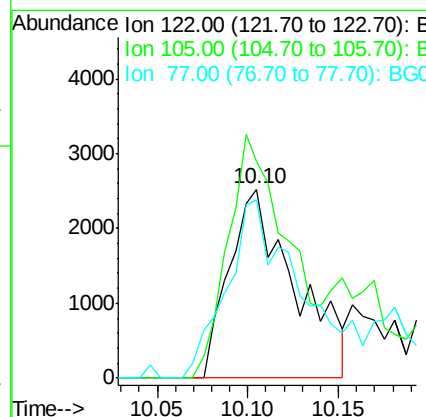
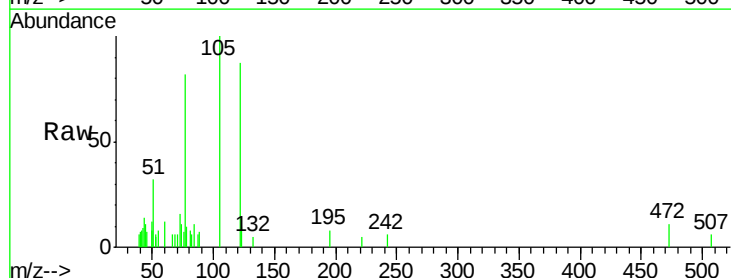
Instrument :
BNA_G
ClientSampleId :
RECLAIM-SYSTEM-SEDIMENT-PIT

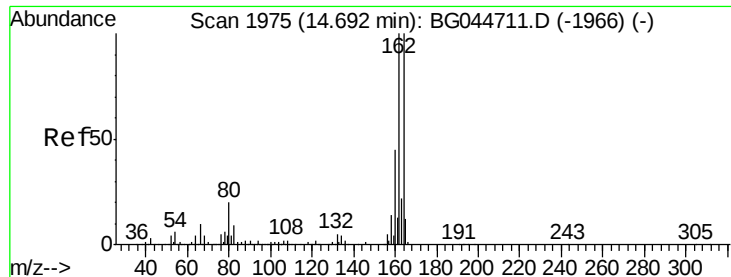
Tgt Ion:139 Resp: 75
Ion Ratio Lower Upper
139 100
109 0.0 30.2 45.4#
65 0.0 46.3 69.5#



#32
Benzoic acid
Concen: 11.05 ng
RT: 10.10 min Scan# 1194
Delta R.T. -0.04 min
Lab File: BG044963.D
Acq: 7 Apr 2020 20:20

Tgt Ion:122 Resp: 6378
Ion Ratio Lower Upper
122 100
105 115.0 109.1 149.1
77 94.2 85.3 125.3





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044963.D

Acq: 7 Apr 2020 20:20

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

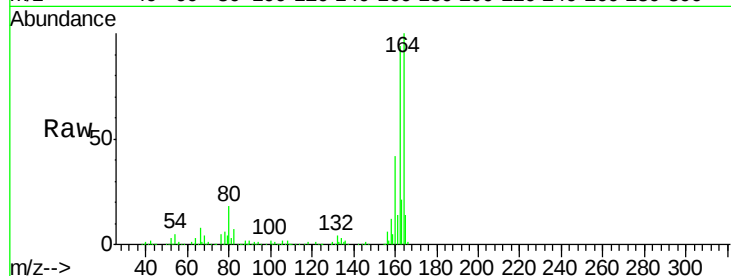
Tgt Ion:164 Resp: 217784

Ion Ratio Lower Upper

164 100

162 94.0 76.7 115.1

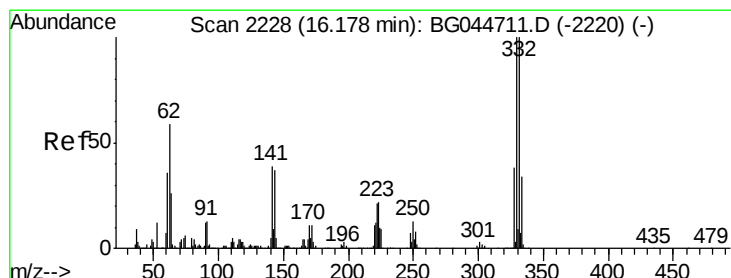
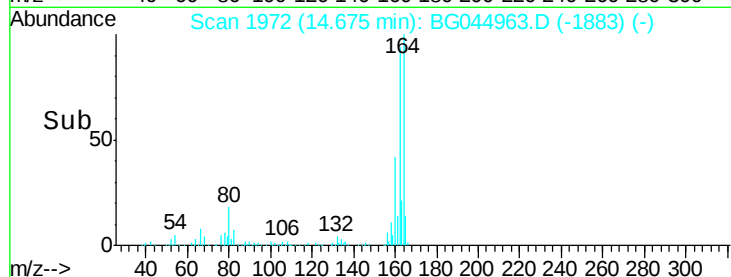
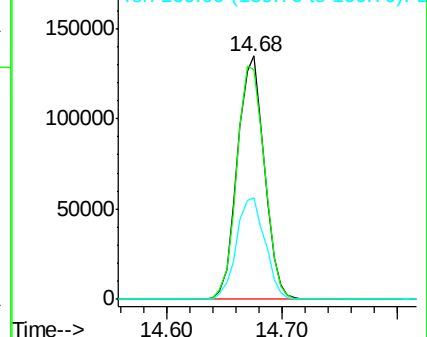
160 41.7 35.0 52.4



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: 172.95 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044963.D

Acq: 7 Apr 2020 20:20

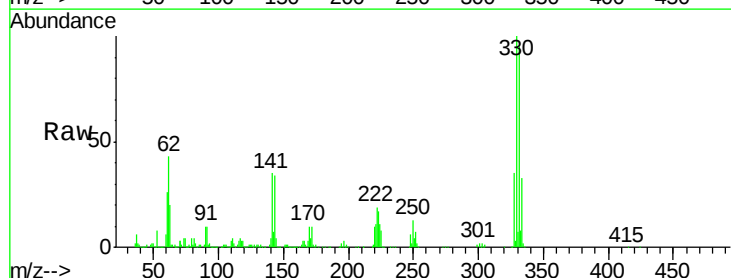
Tgt Ion:330 Resp: 493184

Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

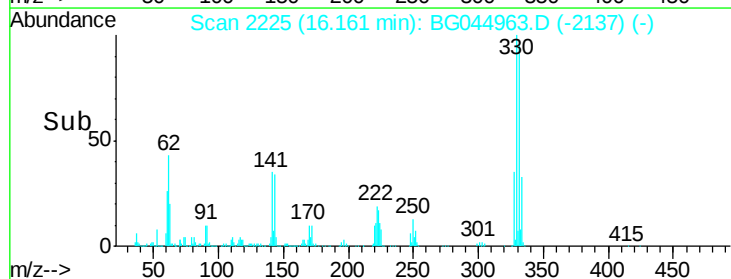
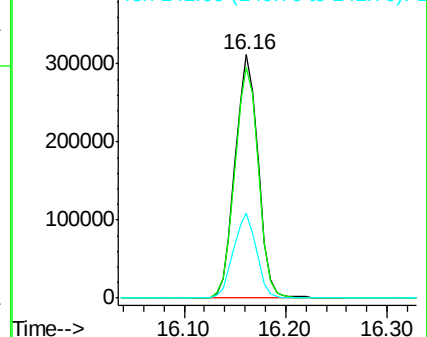
141 34.7 29.5 44.3

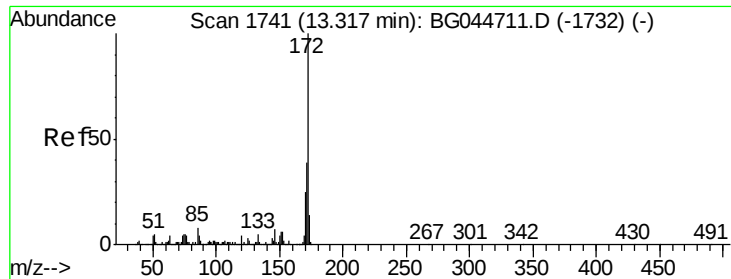


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 87.56 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.00 min

Lab File: BG044963.D

Acq: 7 Apr 2020 20:20

Instrument :

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RECLAIM-SYSTEM-SEDIMENT-PIT

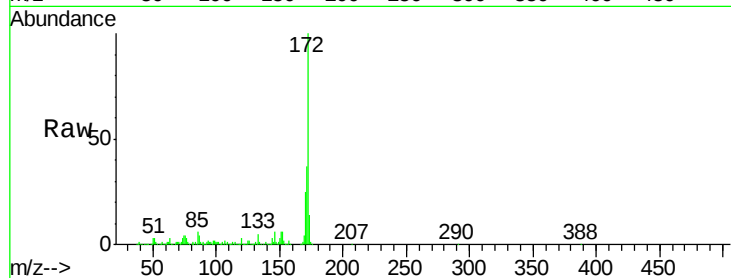
Tgt Ion:172 Resp: 1331552

Ion Ratio Lower Upper

172 100

171 37.2 28.7 43.1

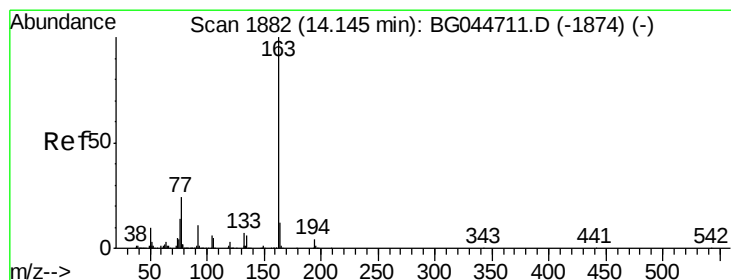
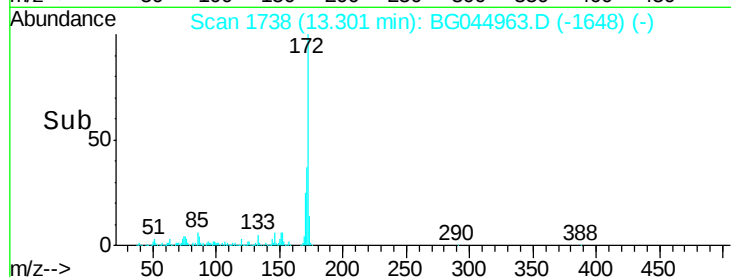
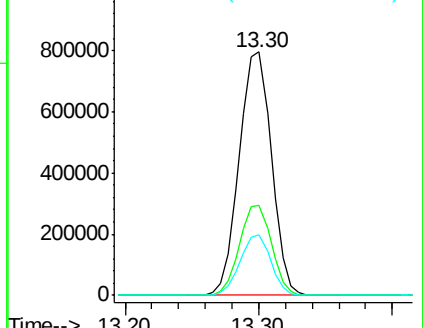
170 24.7 19.0 28.6



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: 3.71 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.02 min

Lab File: BG044963.D

Acq: 7 Apr 2020 20:20

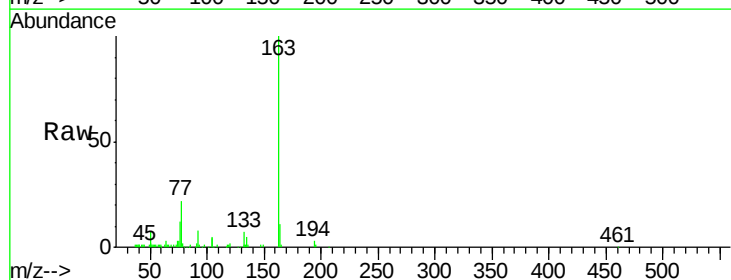
Tgt Ion:163 Resp: 64331

Ion Ratio Lower Upper

163 100

194 3.3 3.7 5.5#

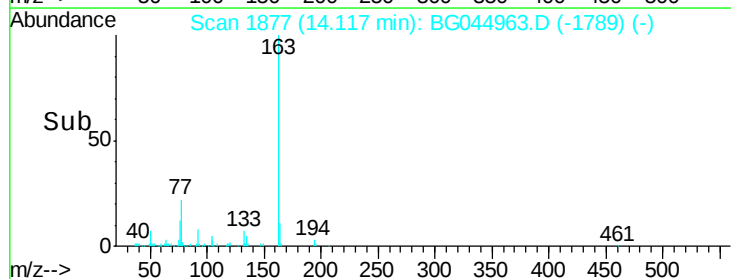
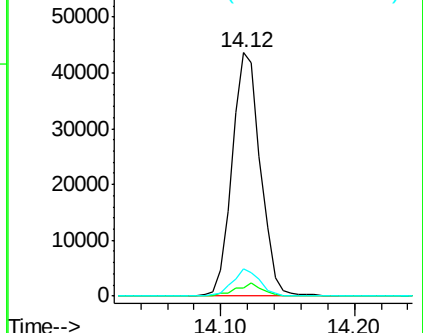
164 11.0 9.1 13.7

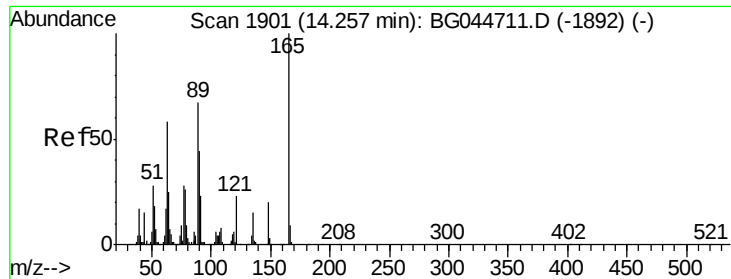


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

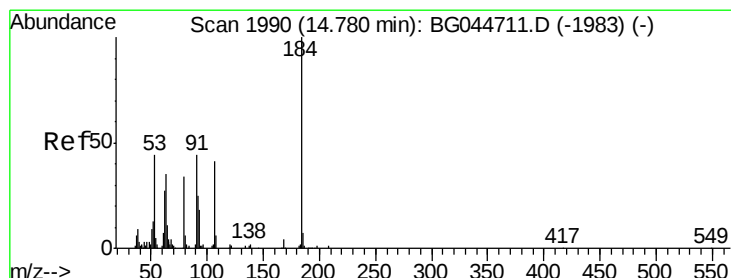
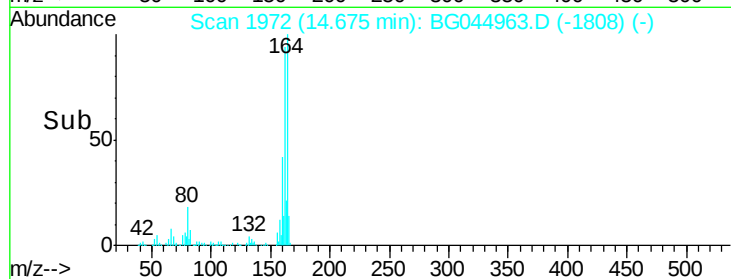
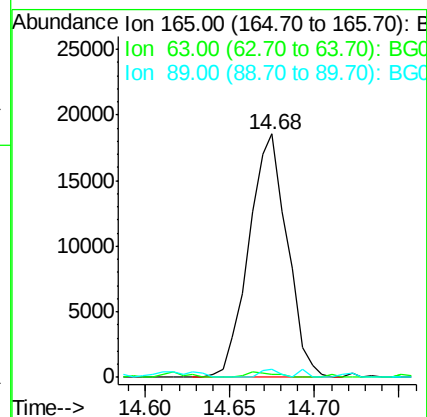
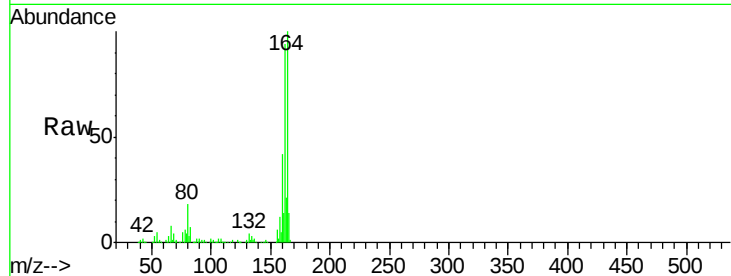




#51
2,6-Dinitrotoluene
Concen: 8.36 ng
RT: 14.68 min Scan# 1972
Delta R.T. 0.43 min
Lab File: BG044963.D
Acq: 7 Apr 2020 20:20

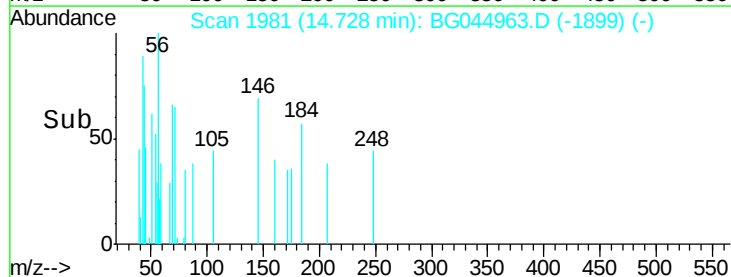
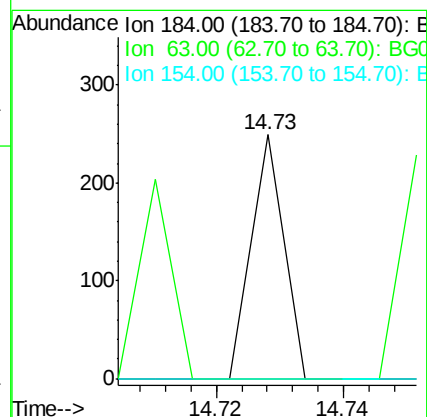
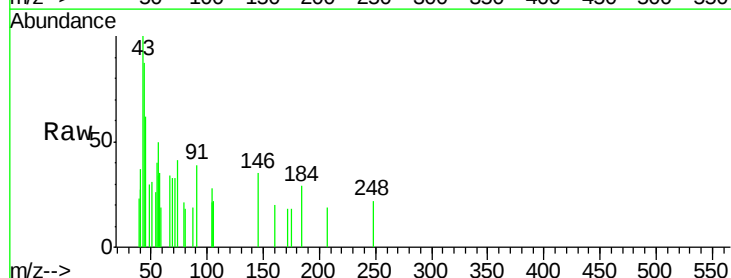
Instrument :
BNA_G
ClientSampleId :
RECLAIM-SYSTEM-SEDIMENT-PIT

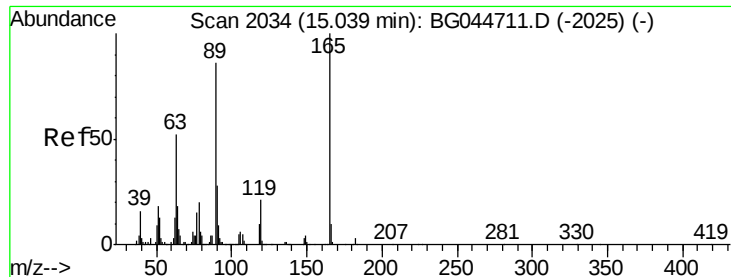
Tgt Ion:165 Resp: 29228
Ion Ratio Lower Upper
165 100
63 1.2 45.8 68.8#
89 3.5 51.8 77.6#



#54
2,4-Dinitrophenol
Concen: 8.37 ng
RT: 14.73 min Scan# 1981
Delta R.T. -0.05 min
Lab File: BG044963.D
Acq: 7 Apr 2020 20:20

Tgt Ion:184 Resp: 88
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: 6.10 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG044963.D

Acq: 7 Apr 2020 20:20

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

Tgt Ion:165 Resp: 29228

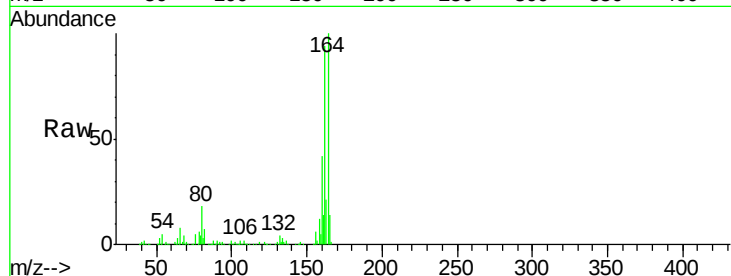
Ion Ratio Lower Upper

165 100

63 1.2 34.6 52.0#

89 3.5 61.3 91.9#

182 0.0 2.2 3.2#

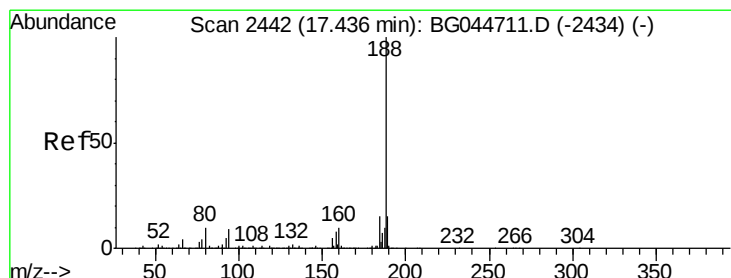
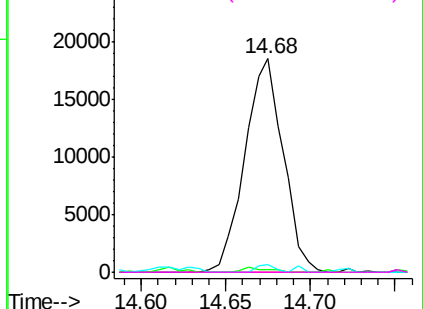
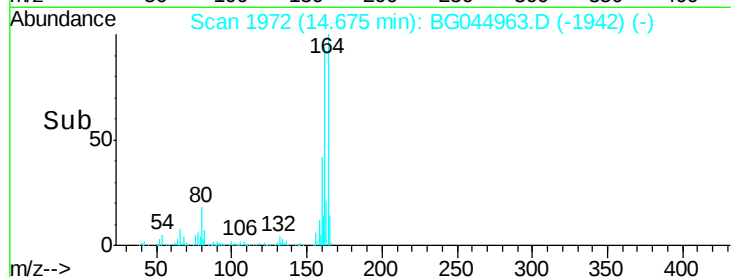


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG044963.D

Acq: 7 Apr 2020 20:20

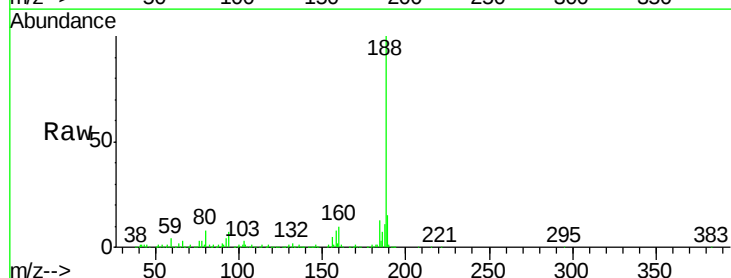
Tgt Ion:188 Resp: 503756

Ion Ratio Lower Upper

188 100

94 7.0 7.3 10.9#

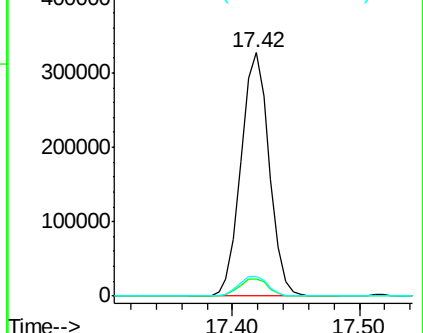
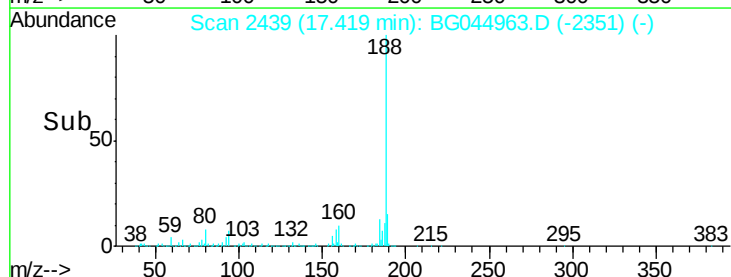
80 8.3 8.0 12.0

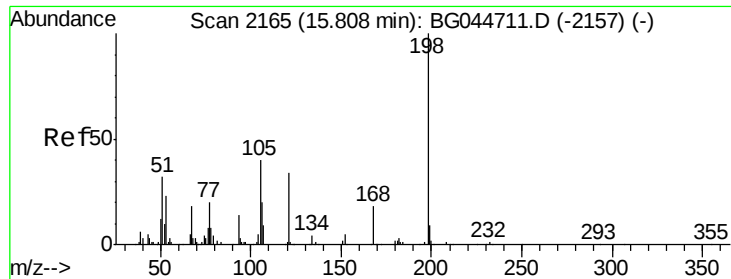


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

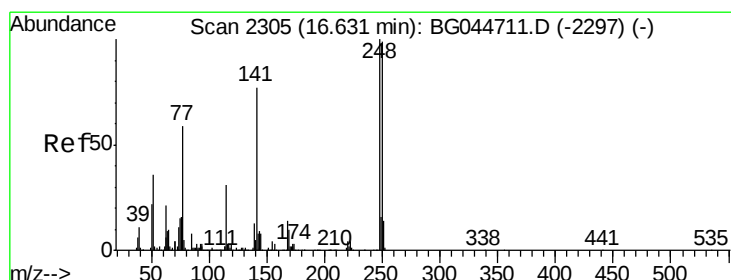
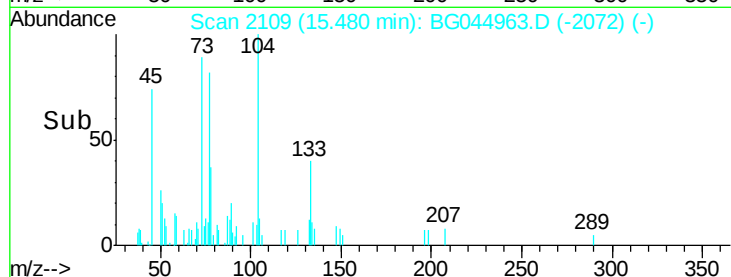
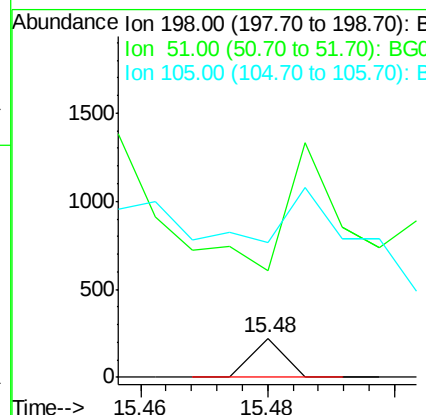
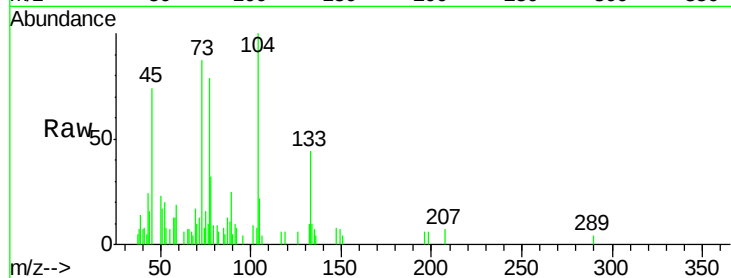




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.76 ng
 RT: 15.48 min Scan# 2109
 Delta R.T. -0.32 min
 Lab File: BG044963.D
 Acq: 7 Apr 2020 20:20

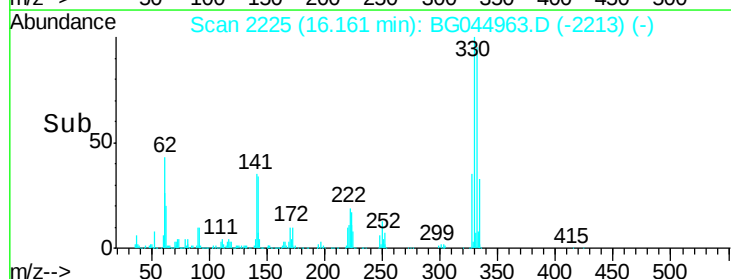
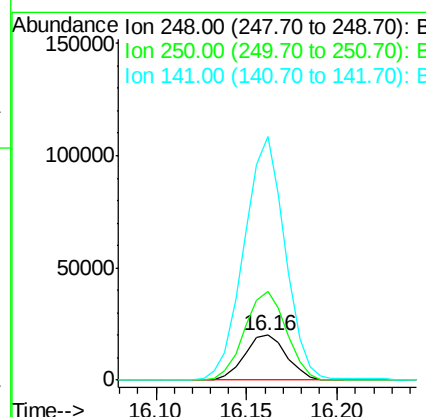
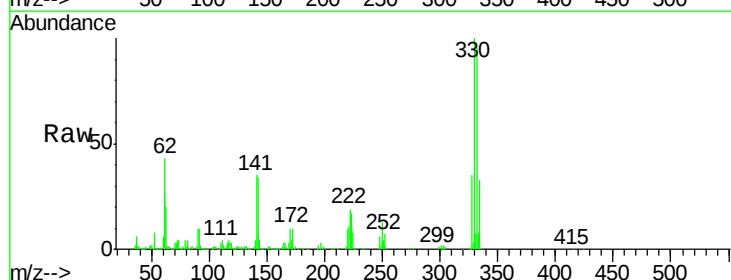
Instrument :
 BNA_G
 ClientSampleId :
 RECLAIM-SYSTEM-SEDIMENT-PIT

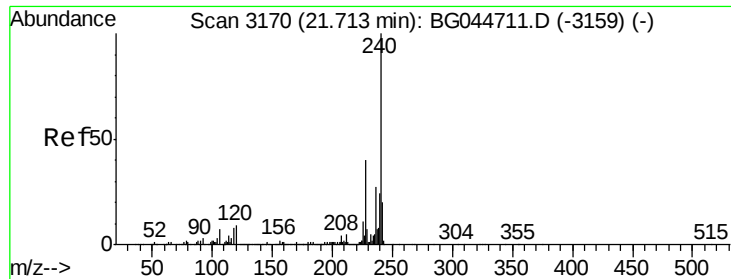
Tgt Ion:198 Resp: 79
 Ion Ratio Lower Upper
 198 100
 51 269.6 21.1 61.1#
 105 341.5 24.5 64.5#



#67
 4-Bromophenyl-phenylether
 Concen: 5.14 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044963.D
 Acq: 7 Apr 2020 20:20

Tgt Ion:248 Resp: 32379
 Ion Ratio Lower Upper
 248 100
 250 198.6 77.9 116.9#
 141 541.1 57.5 86.3#

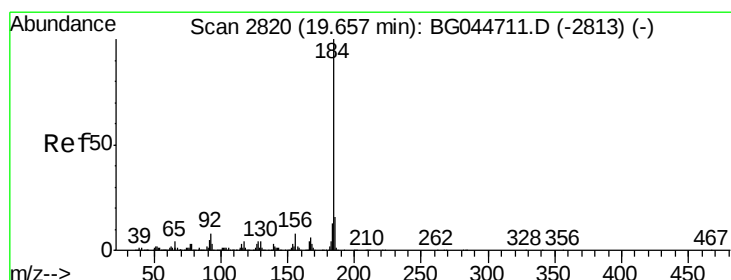
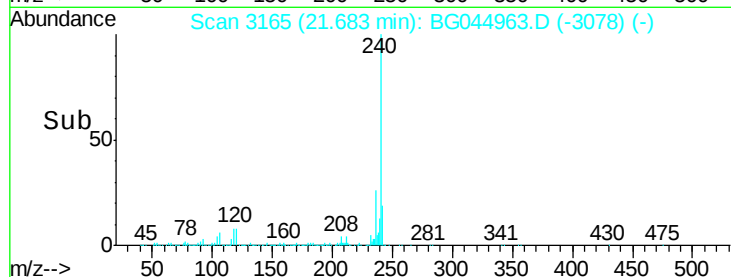
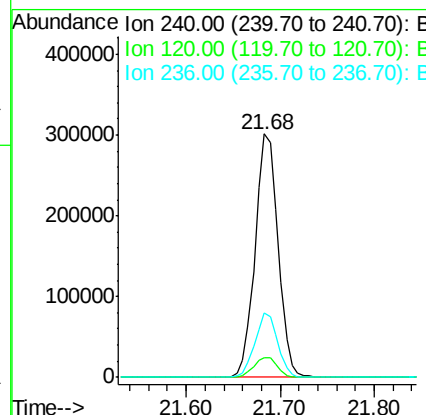
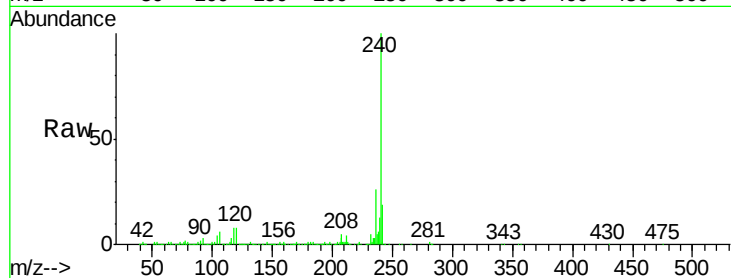




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044963.D
Acq: 7 Apr 2020 20:20

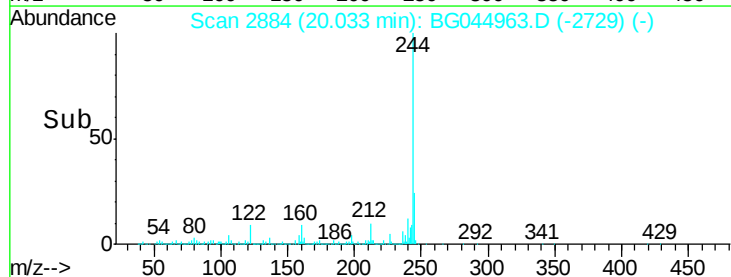
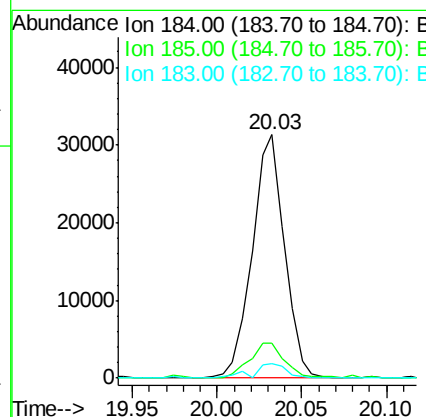
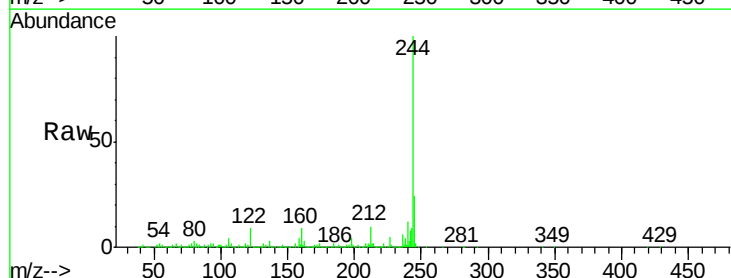
Instrument :
BNA_G
ClientSampleId :
RECLAIM-SYSTEM-SEDIMENT-PIT

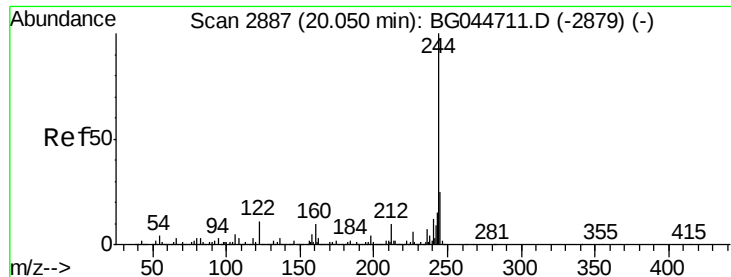
Tgt Ion:240 Resp: 511108
Ion Ratio Lower Upper
240 100
120 8.3 6.7 10.1
236 26.2 21.5 32.3



#77
Benzidine
Concen: 2.51 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.38 min
Lab File: BG044963.D
Acq: 7 Apr 2020 20:20

Tgt Ion:184 Resp: 41679
Ion Ratio Lower Upper
184 100
185 14.3 12.2 18.4
183 5.8 10.7 16.1#





#79

Terphenyl-d14

Concen: 79.80 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044963.D

Acq: 7 Apr 2020 20:20

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

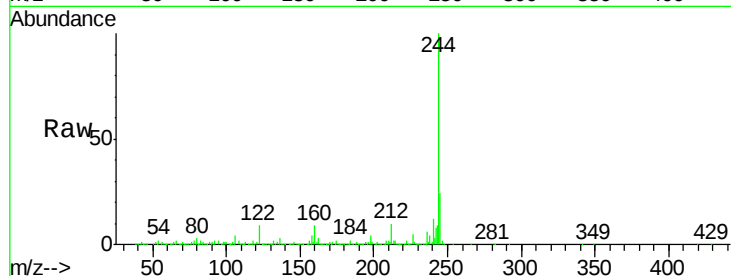
Tgt Ion:244 Resp: 2180374

Ion Ratio Lower Upper

244 100

212 9.7 7.7 11.5

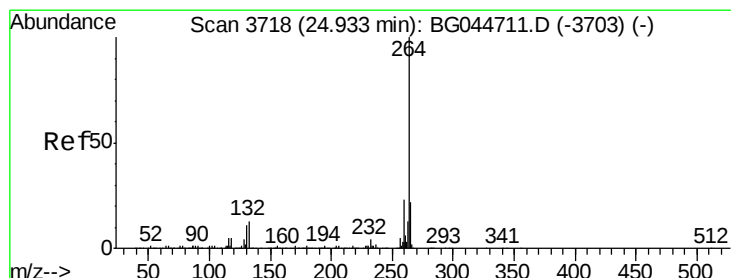
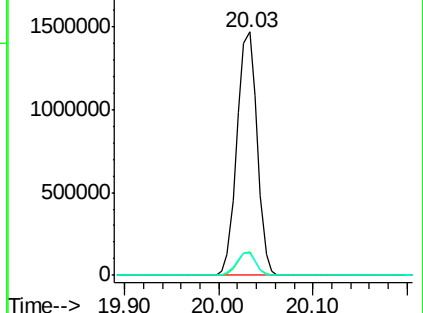
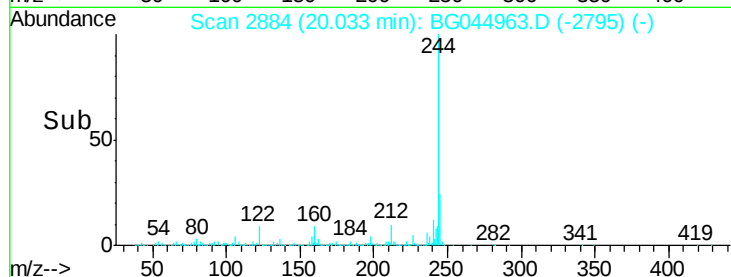
122 9.2 8.6 12.8



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: 24.90 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG044963.D

Acq: 7 Apr 2020 20:20

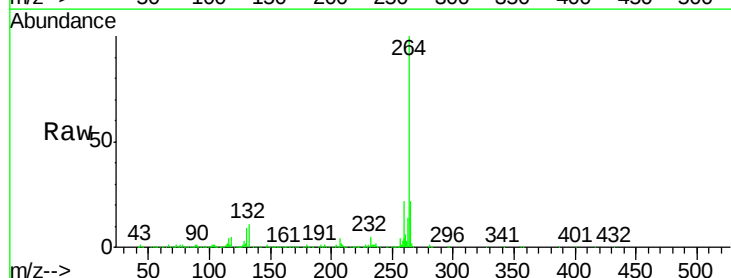
Tgt Ion:264 Resp: 554627

Ion Ratio Lower Upper

264 100

260 22.4 18.1 27.1

265 22.4 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

