

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042120\
 Data File : BG045112.D
 Acq On : 21 Apr 2020 15:18
 Operator : CG/JU
 Sample : L2340-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Apr 21 16:46:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 14:13:24 2020
 Response via : Initial Calibration

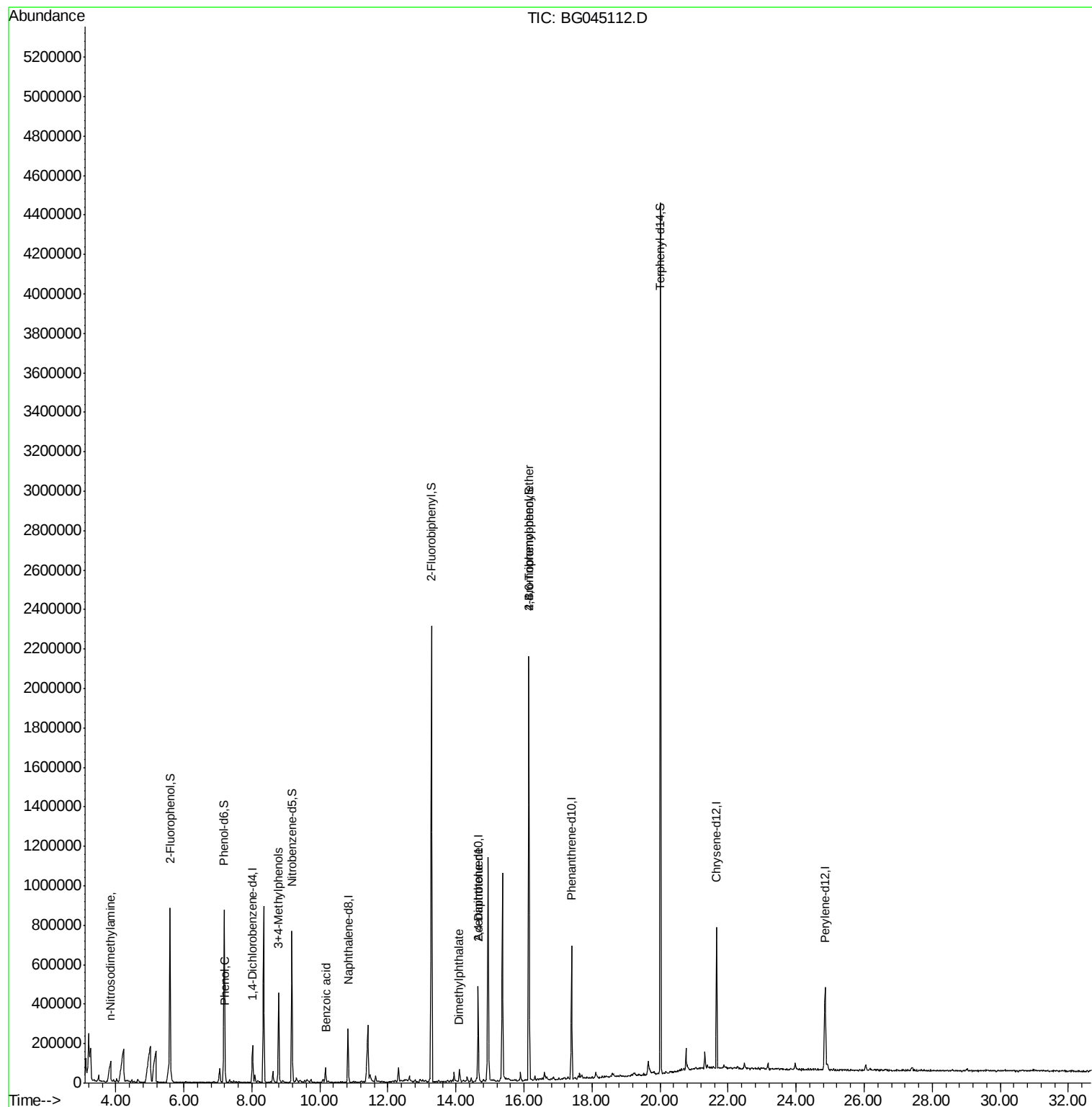
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	55252	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	237998	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	176797	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	428932	20.00	ng	0.00
76) Chrysene-d12	21.66	240	437486	20.00	ng	0.00
87) Perylene-d12	24.85	264	476138	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	398357	119.03	ng	0.00
7) Phenol-d6	7.19	99	583414	117.33	ng	0.00
23) Nitrobenzene-d5	9.18	82	522366	100.15	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	442083	161.86	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1235790	102.49	ng	0.00
79) Terphenyl-d14	20.01	244	2196155	109.41	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.83	42	8570	6.109	ng	# 1
9) Benzaldehyde	7.19	77	1744	Below Cal		# 4
10) Phenol	7.21	94	28628	5.754	ng	91
20) 3+4-Methylphenols	8.78	107	223344	41.564	ng	90
32) Benzoic acid	10.19	122	626	6.558	ng	# 35
50) Dimethylphthalate	14.10	163	38061	2.644	ng	99
57) 2,4-Dinitrotoluene	14.65	165	22720	4.828	ng	# 23
67) 4-Bromophenyl-phenylether	16.14	248	31319	5.660	ng	# 1
69) Atrazine	16.86	200	55	Below Cal		# 30
74) Di-n-butylphthalate	18.36	149	2736	Below Cal		# 73
75) Fluoranthene	19.66	202	270	Below Cal		62
77) Benzidine	19.63	184	14107	Below Cal		# 92

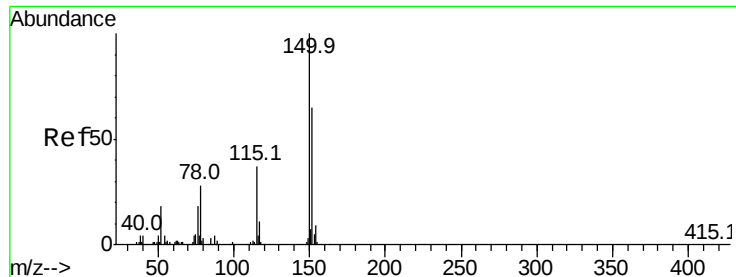
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042120\
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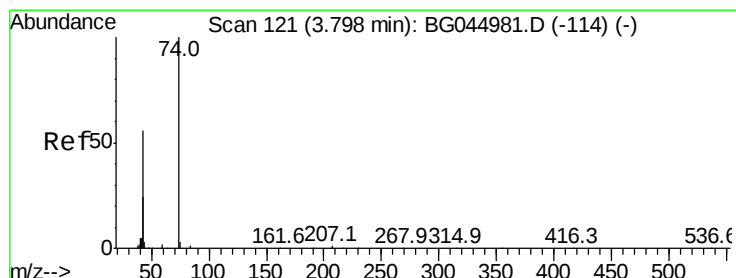
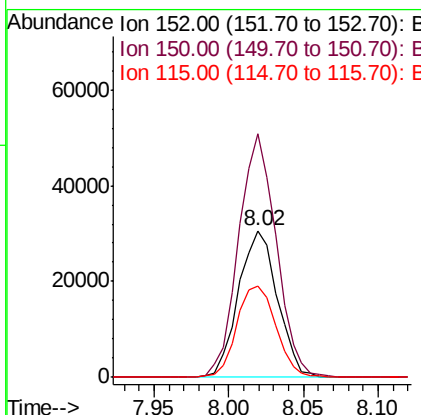
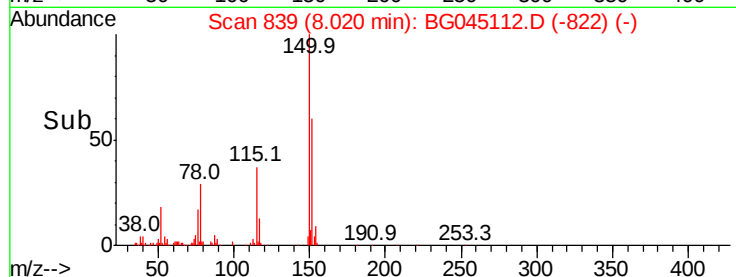
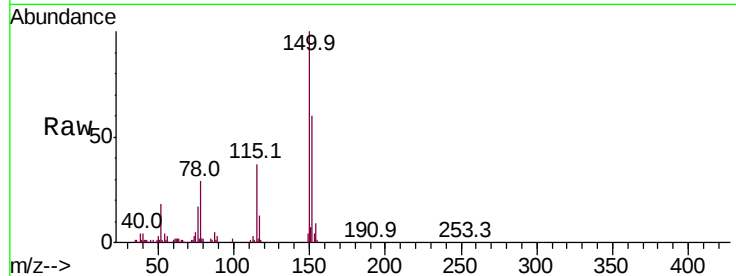




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BG045112.D
 Acq: 21 Apr 2020 15:18

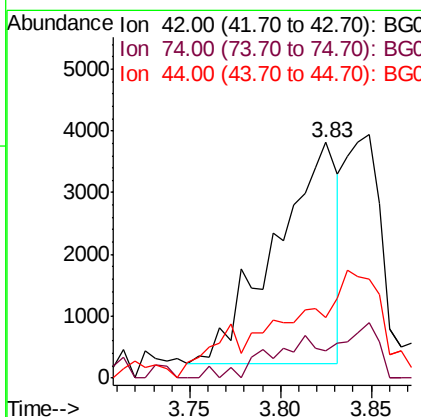
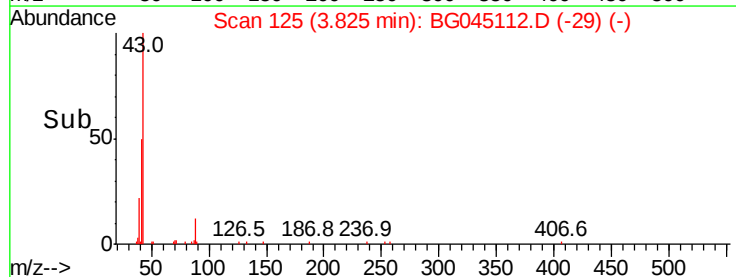
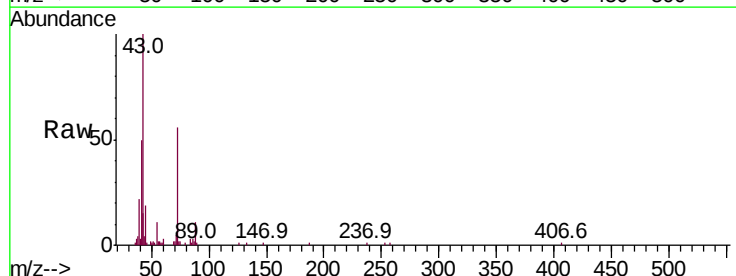
Instrument :
 BNA_G
 ClientSampleId :
 RECLAIM-SYSTEM-SEDIMENT-PIT

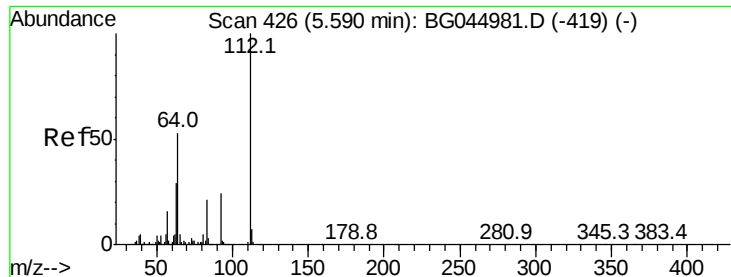
Tot Ion:	152	Resp:	55252
Ion	Ratio	Lower	Upper
152	100		
150	165.7	123.6	185.4
115	61.9	49.1	73.7



#4
 n-Nitrosodimethylamine
 Concen: 6.109 ng
 RT: 3.83 min Scan# 125
 Delta R.T. 0.03 min
 Lab File: BG045112.D
 Acq: 21 Apr 2020 15:18

Tgt Ion:	42	Resp:	8570
Ion	Ratio	Lower	Upper
42	100		
74	11.5	143.0	214.6#
44	25.5	4.6	6.8#





#5

2-Fluorophenol

Concen: 119.030 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

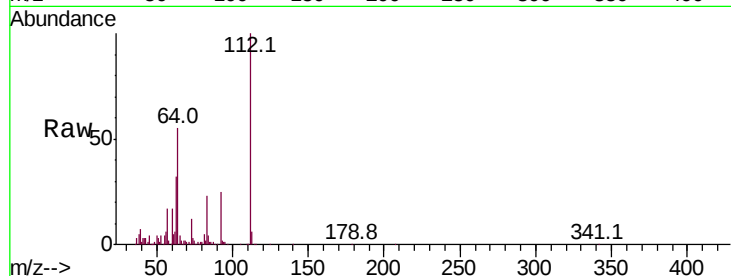
Tot Ion:112 Resp: 398357

Ion Ratio Lower Upper

112 100

64 54.9 42.4 63.6

63 32.1 23.1 34.7



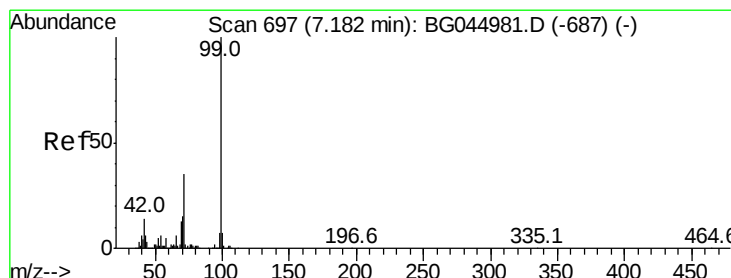
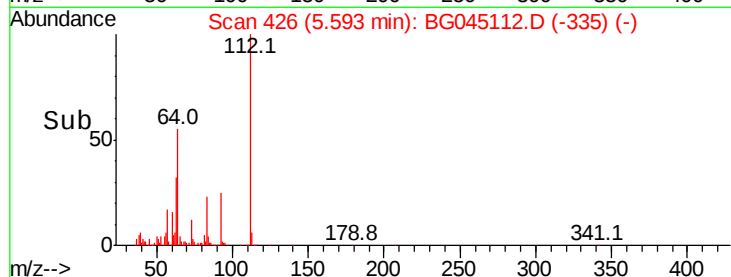
Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

5.59

Time-->



#7

Phenol-d6

Concen: 117.332 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

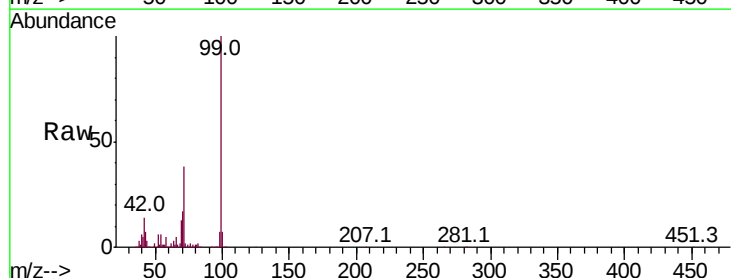
Tgt Ion: 99 Resp: 583414

Ion Ratio Lower Upper

99 100

42 14.2 11.3 16.9

71 38.1 28.3 42.5



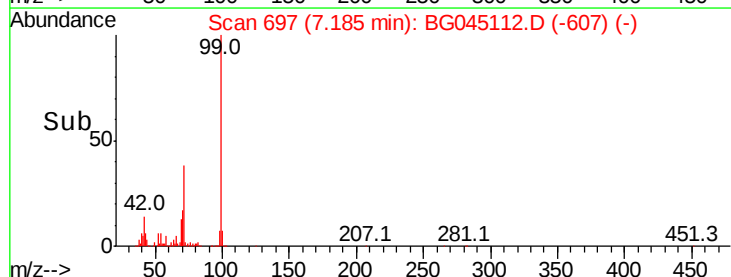
Abundance Ion 99.00 (98.70 to 99.70): BGC

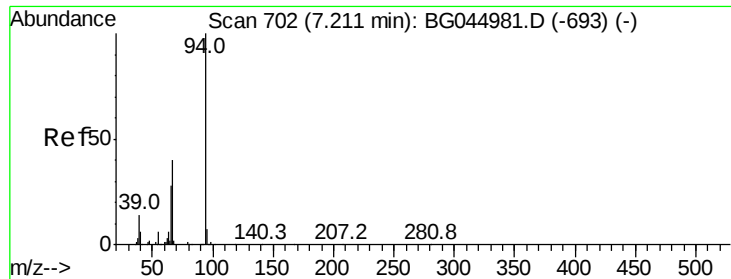
Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

7.19

Time-->

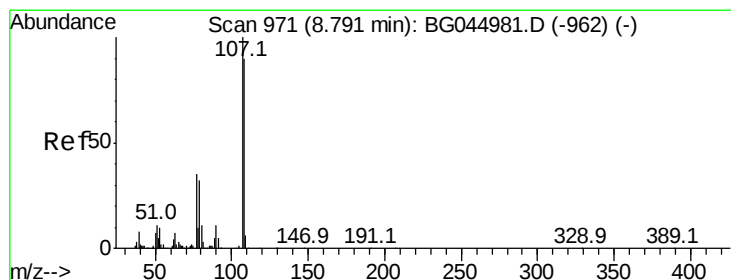
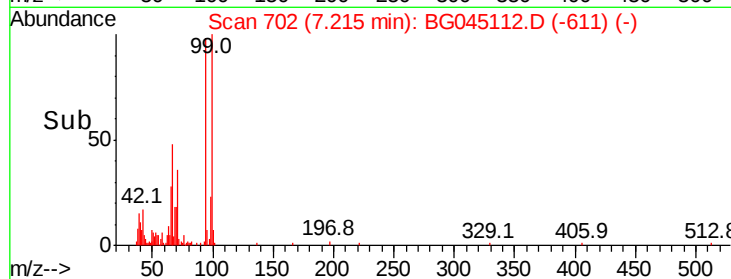
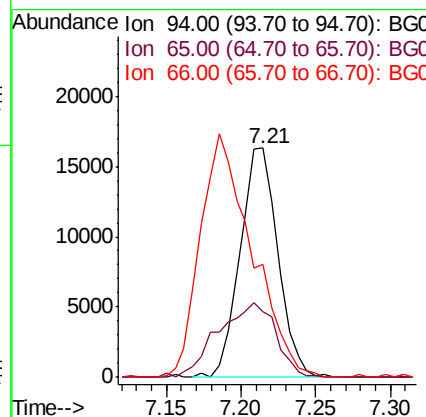
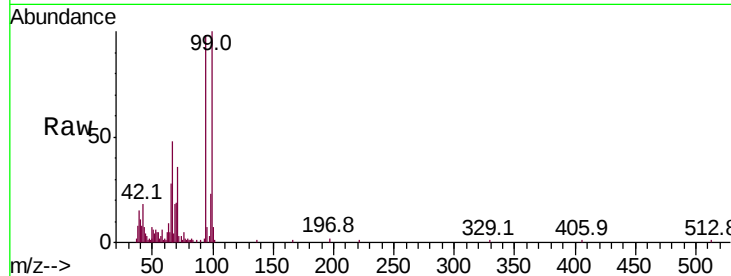




#10
Phenol
Concen: 5.754 ng
RT: 7.21 min Scan# 702
Delta R.T. 0.00 min
Lab File: BG045112.D
Acq: 21 Apr 2020 15:18

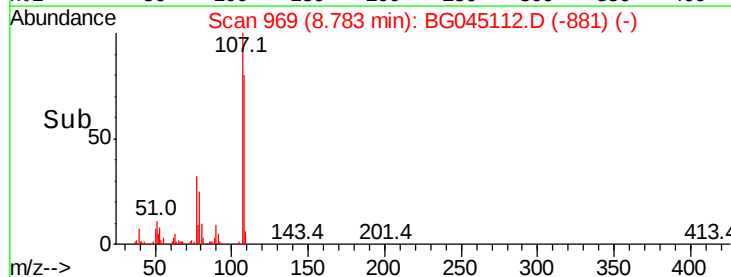
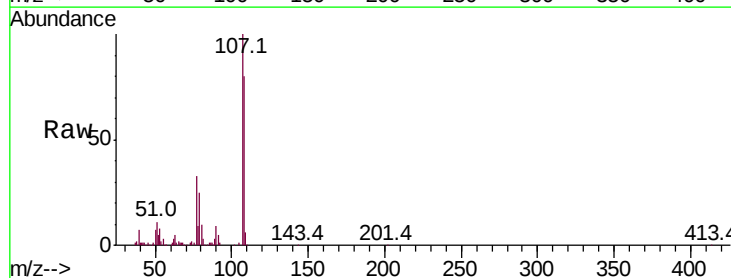
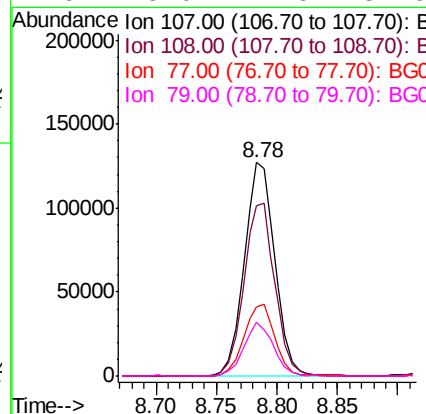
Instrument :
BNA_G
ClientSampleId :
RECLAIM-SYSTEM-SEDIMENT-PIT

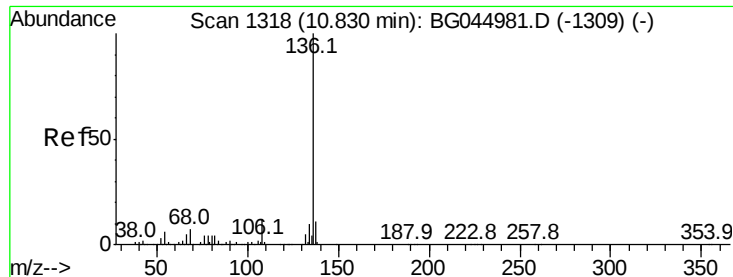
Tot Ion: 94 Resp: 28628
Ion Ratio Lower Upper
94 100
65 28.9 8.2 48.2
66 49.2 20.4 60.4



#20
3+4-Methylphenols
Concen: 41.564 ng
RT: 8.78 min Scan# 969
Delta R.T. -0.02 min
Lab File: BG045112.D
Acq: 21 Apr 2020 15:18

Tgt Ion:107 Resp: 223344
Ion Ratio Lower Upper
107 100
108 79.8 69.9 109.9
77 32.5 15.2 55.2
79 25.0 11.6 51.6

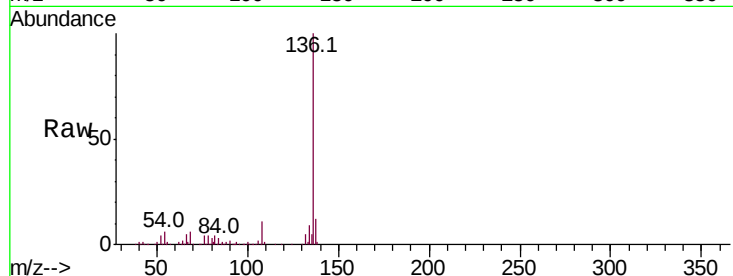




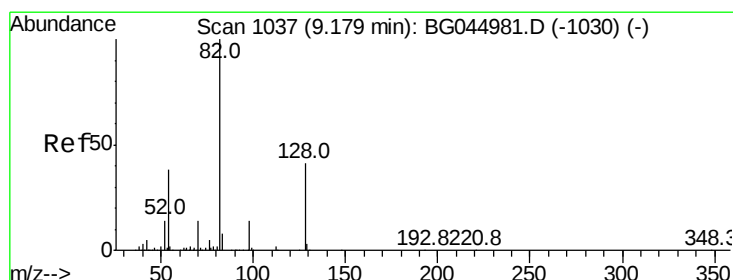
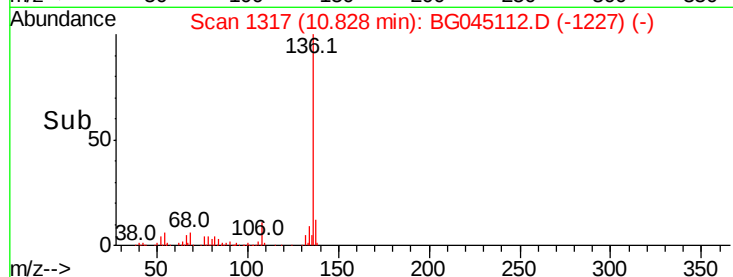
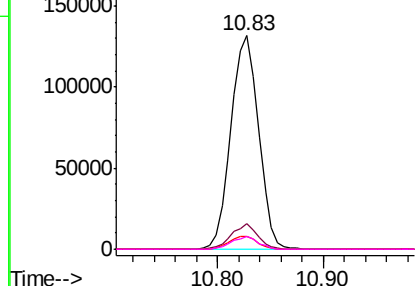
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG045112.D
Acq: 21 Apr 2020 15:18

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

Tot Ion:136	Resp:	237998	
Ion Ratio	Lower	Upper	
136 100			
137 11.7	8.6	13.0	
54 5.9	4.8	7.2	
68 5.8	5.2	7.8	

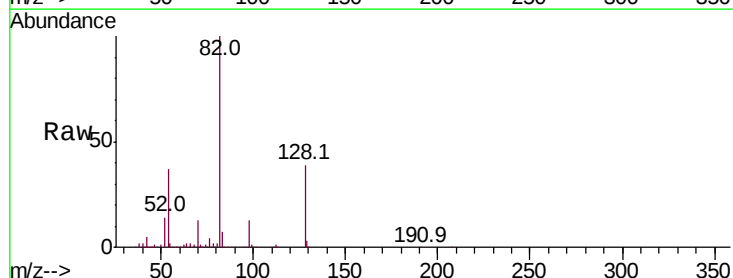


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

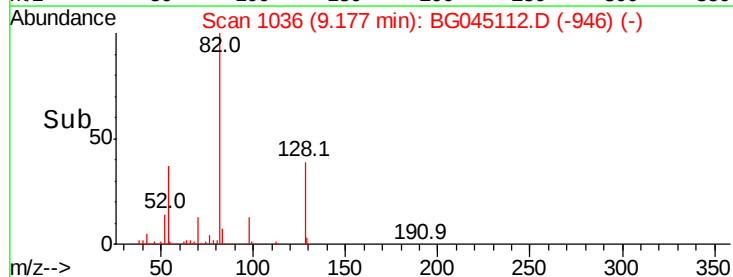
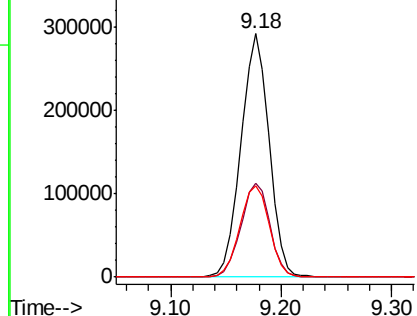


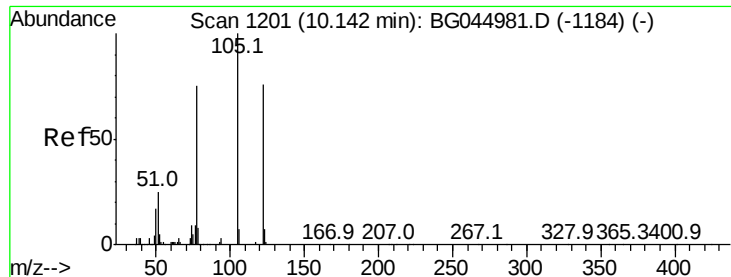
#23
Nitrobenzene-d5
Concen: 100.148 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG045112.D
Acq: 21 Apr 2020 15:18

Tgt Ion: 82	Resp: 522366
Ion Ratio	Lower Upper
82 100	
128 38.8	33.0 49.4
54 37.5	30.4 45.6



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

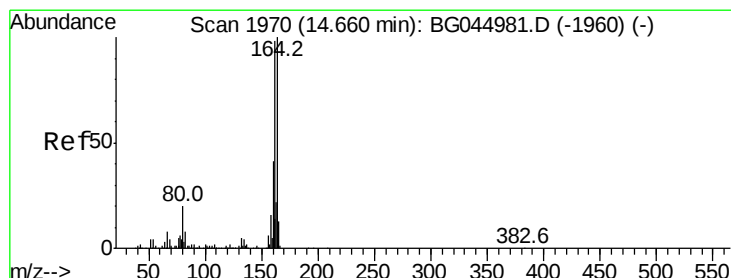
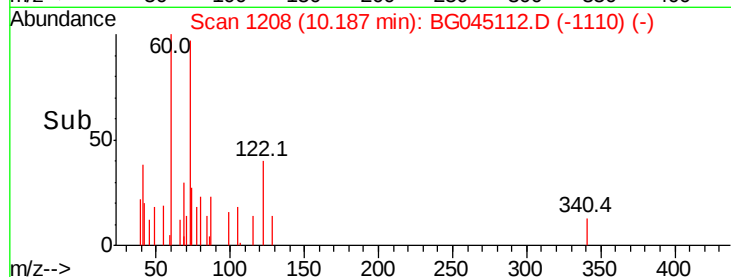
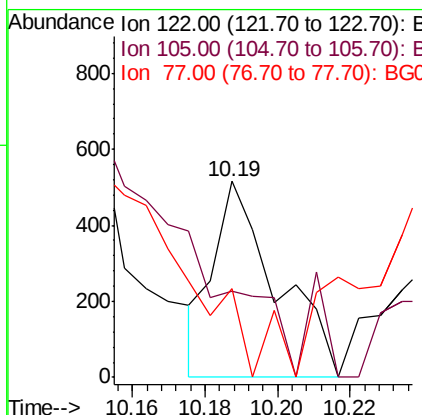
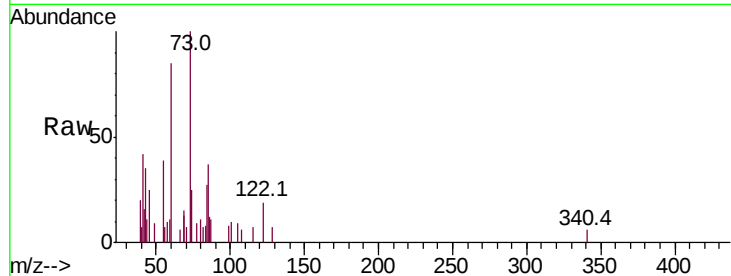




#32
Benzoic acid
Concen: 6.558 ng
RT: 10.19 min Scan# 1208
Delta R.T. 0.04 min
Lab File: BG045112.D
Acq: 21 Apr 2020 15:18

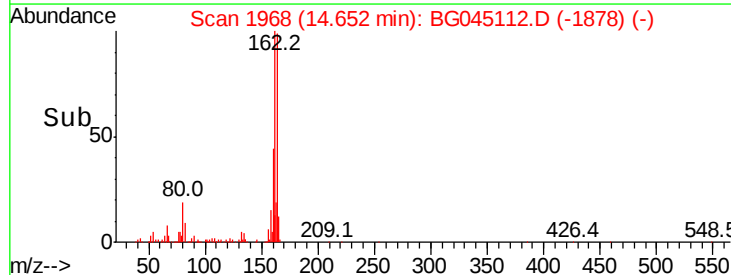
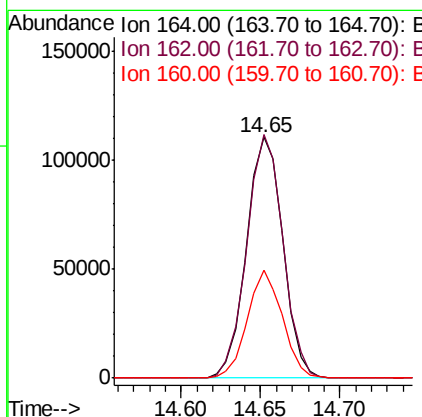
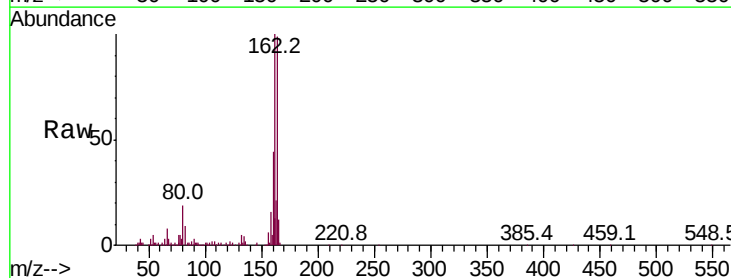
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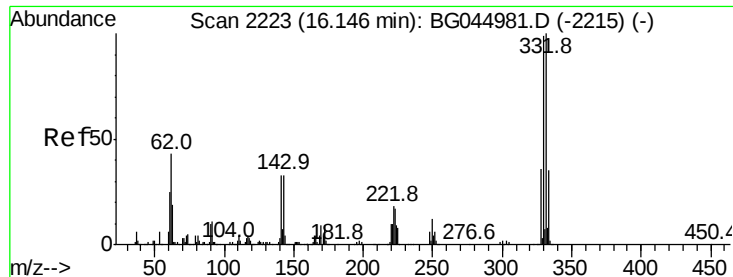
Tot Ion:122 Resp: 626
Ion Ratio Lower Upper
122 100
105 44.1 108.4 148.4#
77 45.2 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG045112.D
Acq: 21 Apr 2020 15:18

Tgt Ion:164 Resp: 176797
Ion Ratio Lower Upper
164 100
162 101.2 78.7 118.1
160 44.6 32.8 49.2





#42

2,4,6-Tribromophenol

Concen: 161.859 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

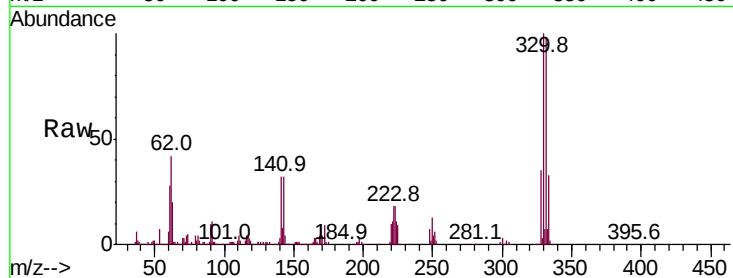
Tot Ion:330 Resp: 442083

Ion Ratio Lower Upper

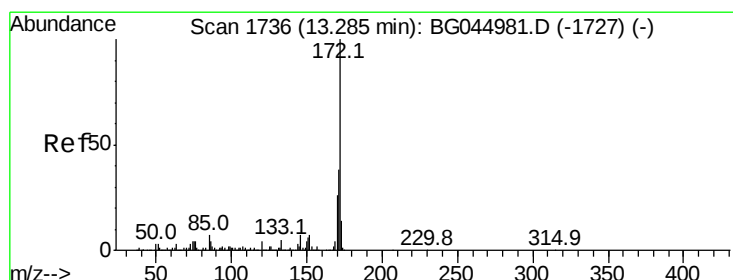
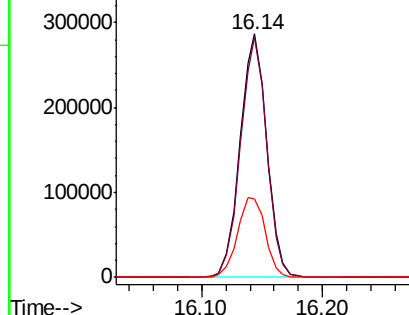
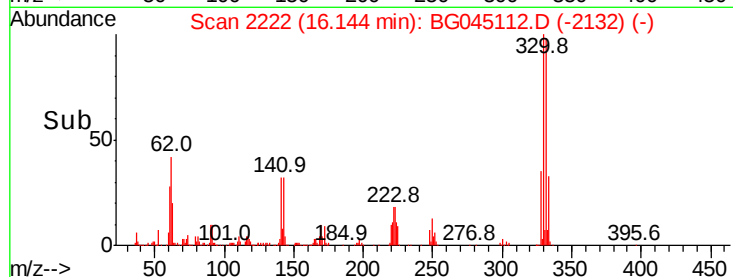
330 100

332 97.2 79.1 118.7

141 34.1 27.1 40.7



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: 102.494 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.00 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

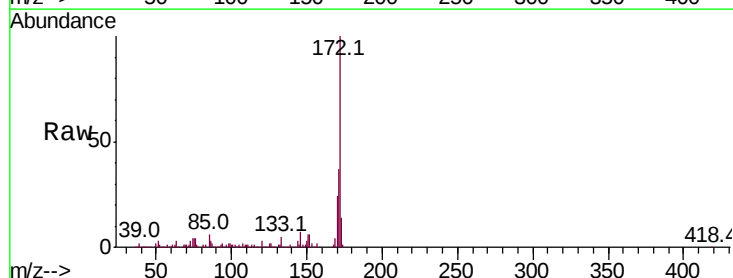
Tgt Ion:172 Resp: 1235790

Ion Ratio Lower Upper

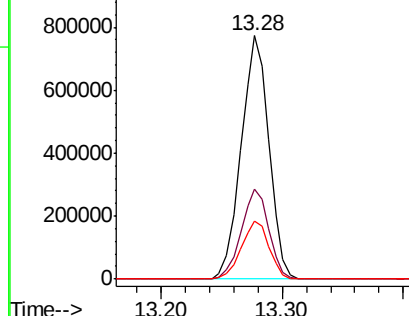
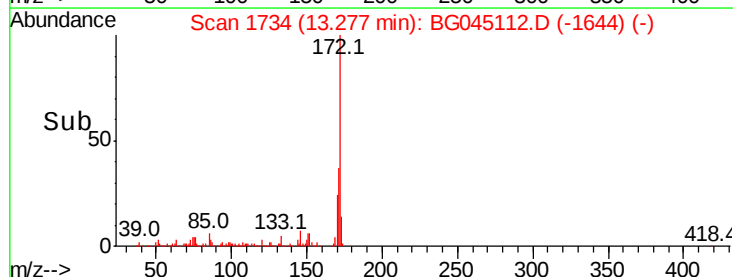
172 100

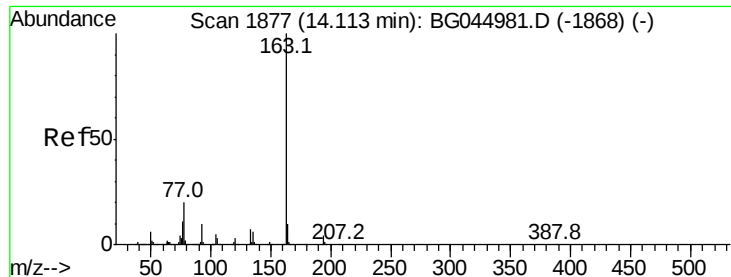
171 37.0 30.6 46.0

170 23.6 20.5 30.7



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: 2.644 ng

RT: 14.10 min Scan# 1874

Delta R.T. -0.01 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

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RECLAIM-SYSTEM-SEDIMENT-PIT

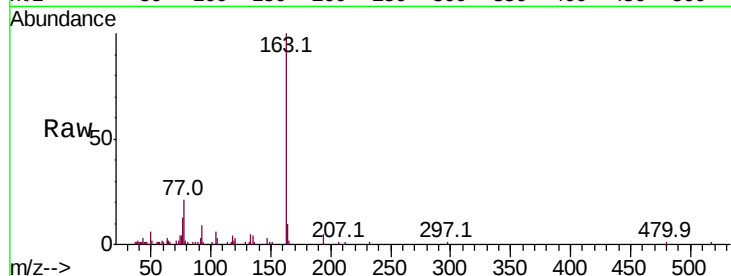
Tot Ion:163 Resp: 38061

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

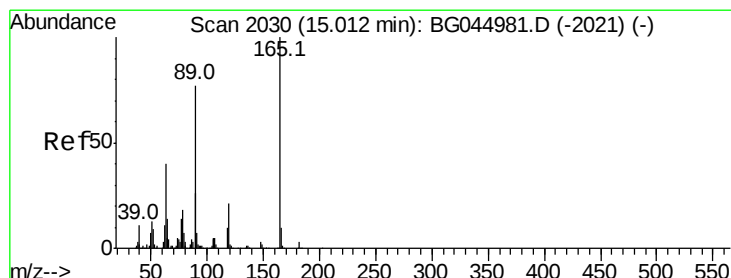
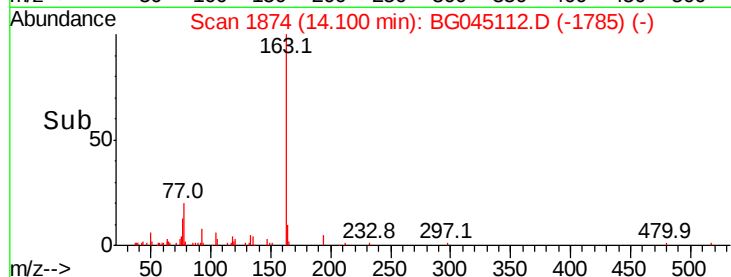
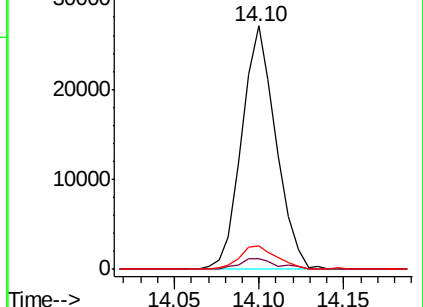
164 9.6 8.2 12.4



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: 4.828 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.36 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

Tgt Ion:165 Resp: 22720

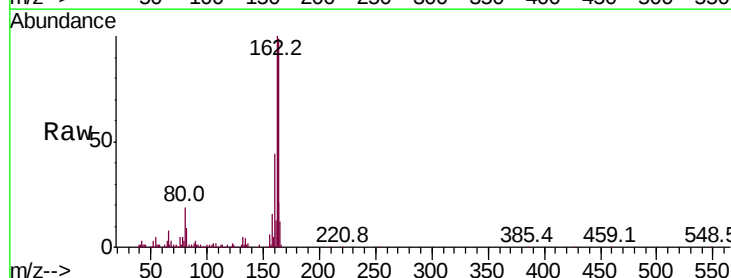
Ion Ratio Lower Upper

165 100

63 2.1 32.2 48.2#

89 2.2 61.7 92.5#

182 0.0 2.0 3.0#

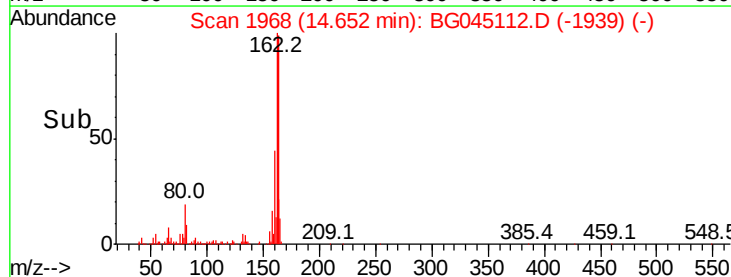
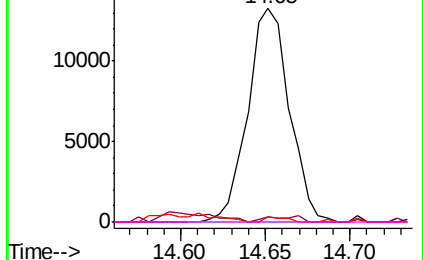


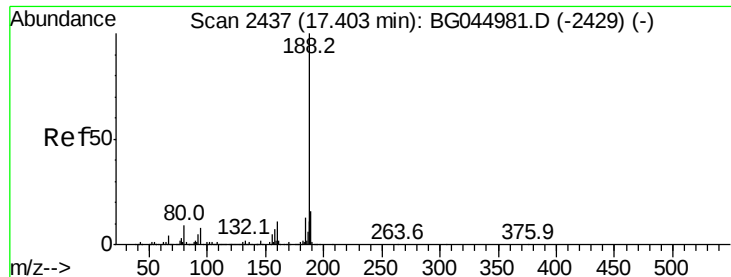
Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

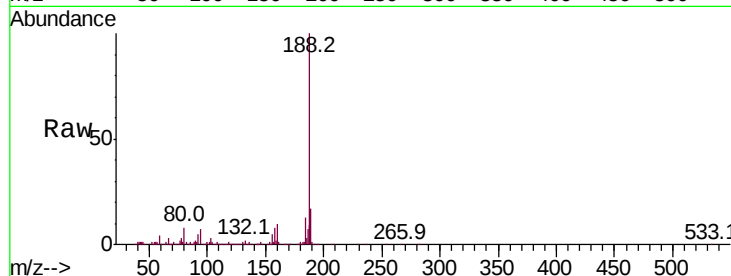
Tot Ion:188 Resp: 428932

Ion Ratio Lower Upper

188 100

94 6.8 6.2 9.4

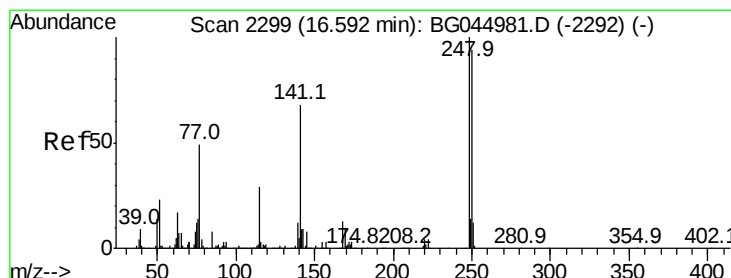
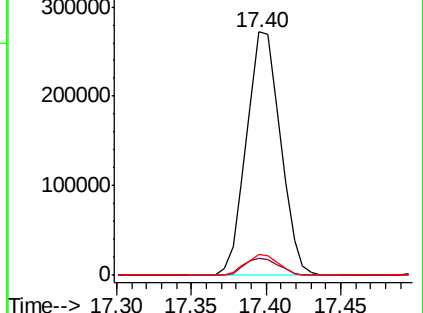
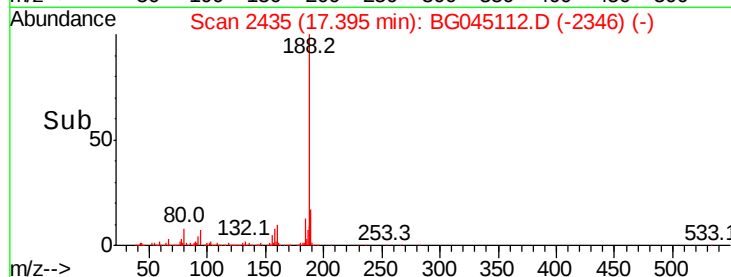
80 8.4 7.0 10.6



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



#67

4-Bromophenyl-phenylether

Concen: 5.660 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.44 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

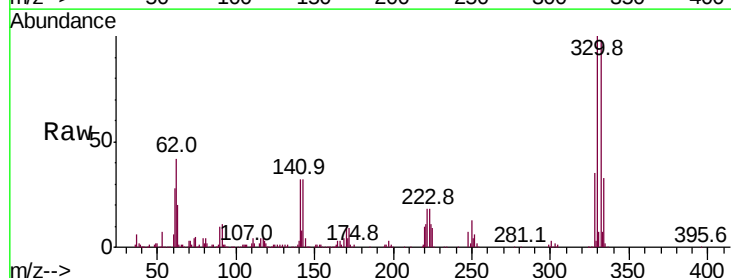
Tgt Ion:248 Resp: 31319

Ion Ratio Lower Upper

248 100

250 190.0 75.4 113.2#

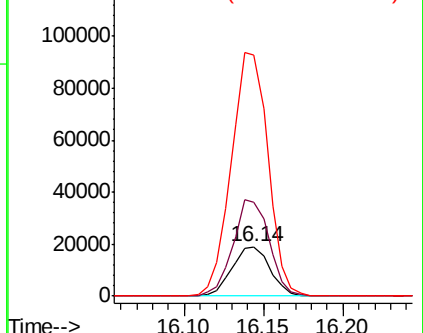
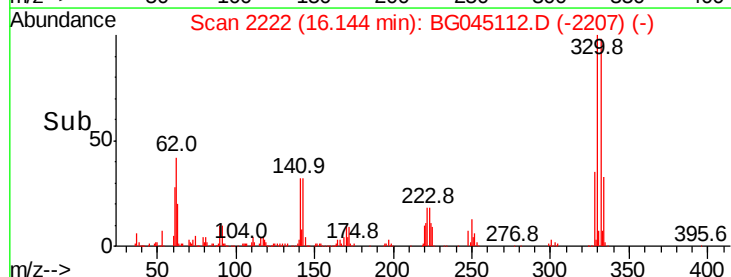
141 484.5 54.4 81.6#

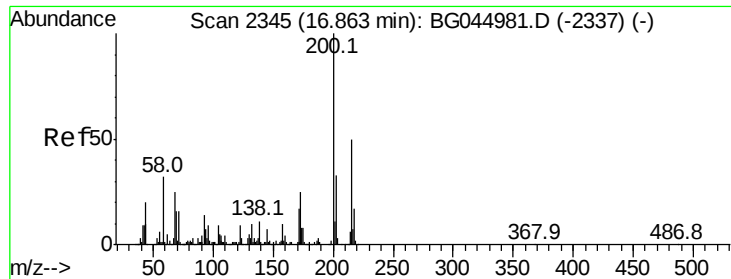


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.86 min Scan# 2344

Delta R.T. 0.00 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

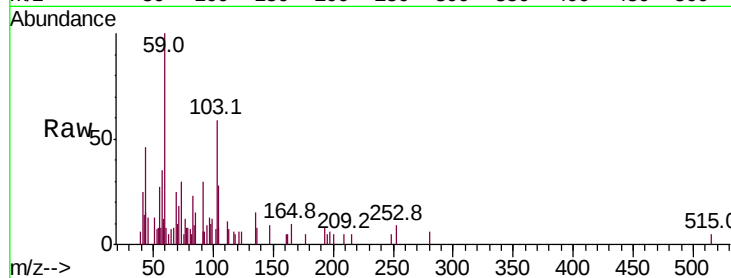
Tot Ion:200 Resp: 55

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

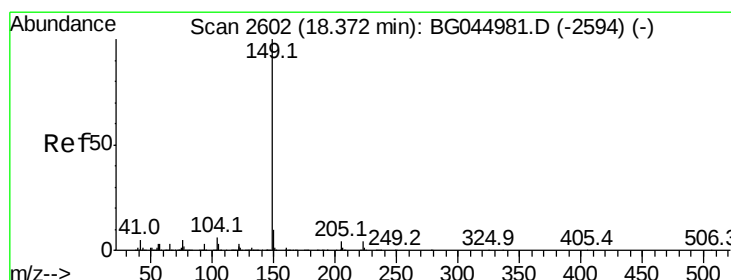
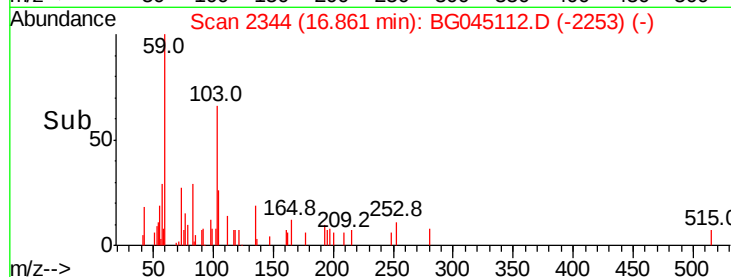
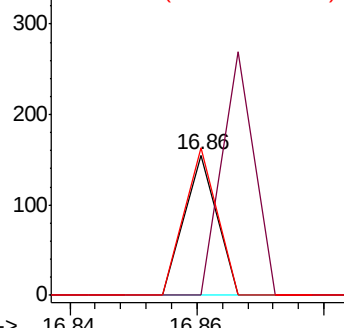
215 105.2 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2600

Delta R.T. -0.00 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

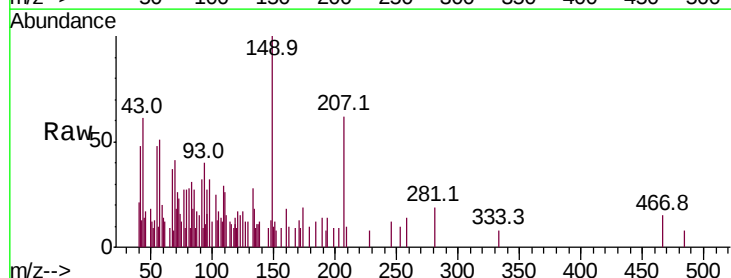
Tgt Ion:149 Resp: 2736

Ion Ratio Lower Upper

149 100

150 22.1 8.2 12.2#

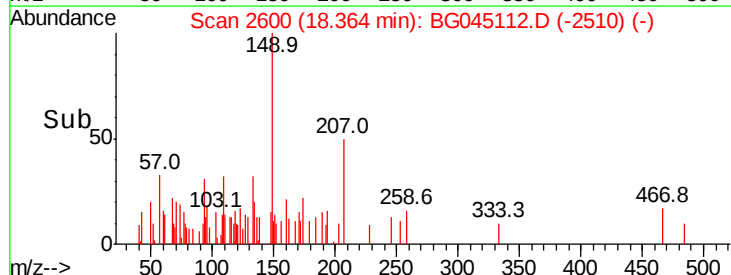
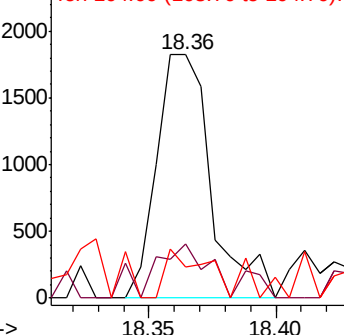
104 12.6 4.8 7.2#

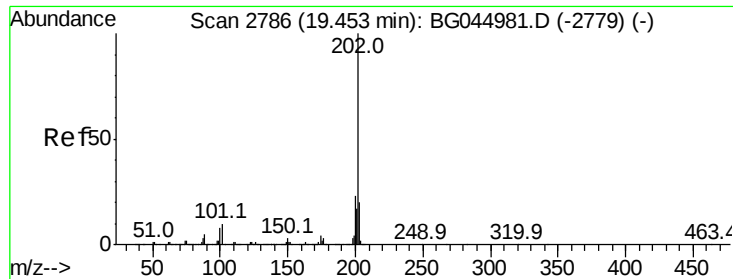


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.66 min Scan# 2821

Delta R.T. 0.21 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

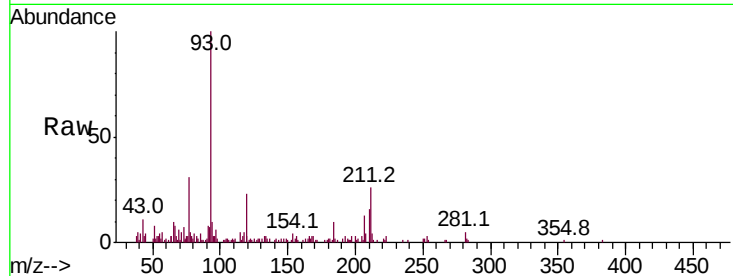
Tot Ion:202 Resp: 270

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

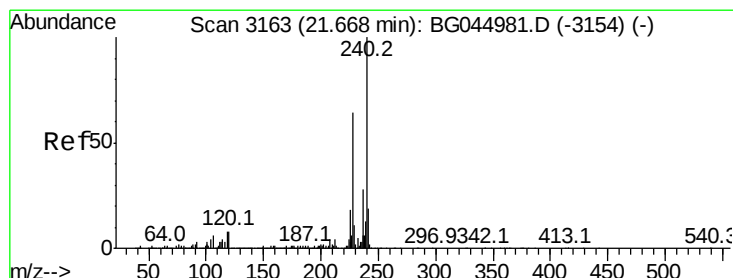
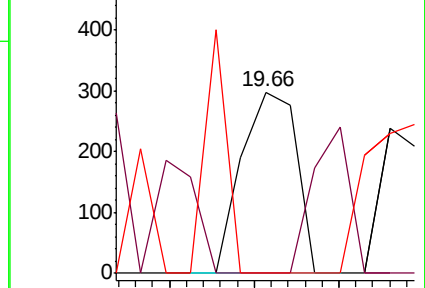
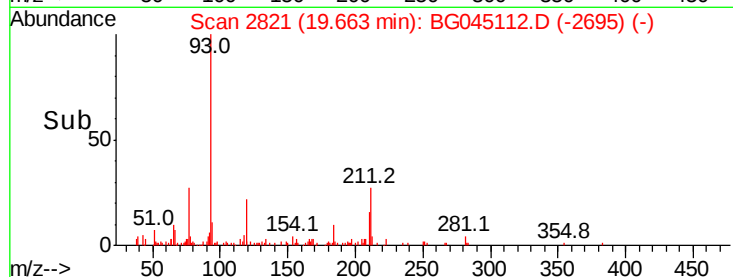
203 0.0 0.0 39.7



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: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

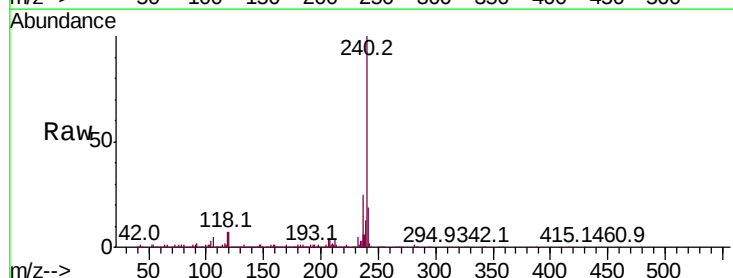
Tgt Ion:240 Resp: 437486

Ion Ratio Lower Upper

240 100

120 6.8 6.6 10.0

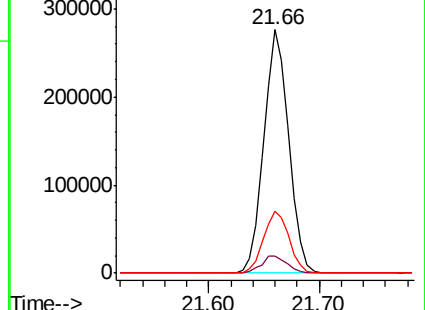
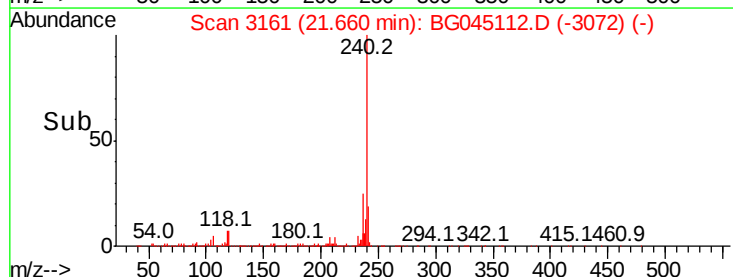
236 25.2 22.2 33.2

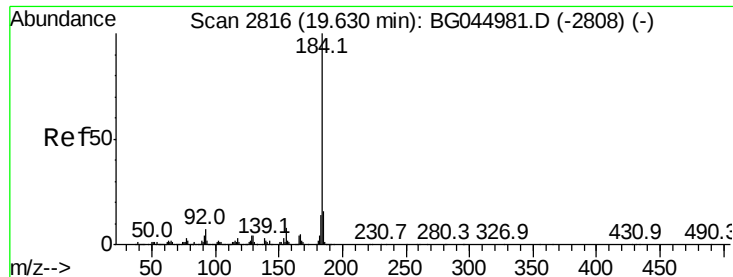


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 19.63 min Scan# 2816

Delta R.T. 0.01 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

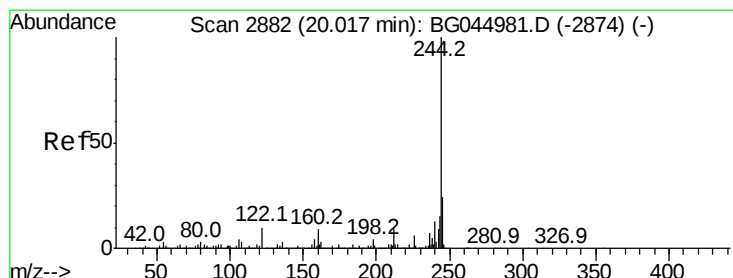
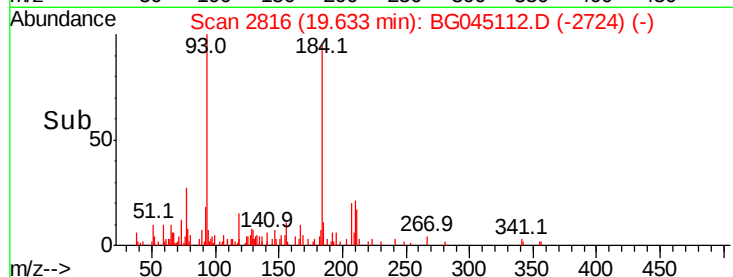
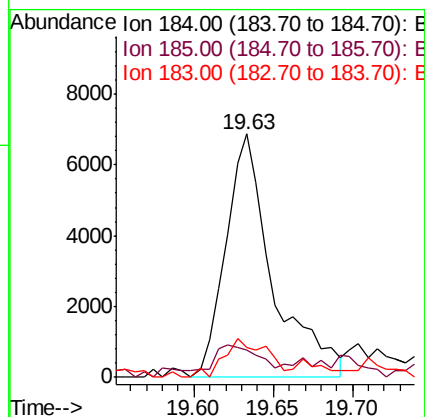
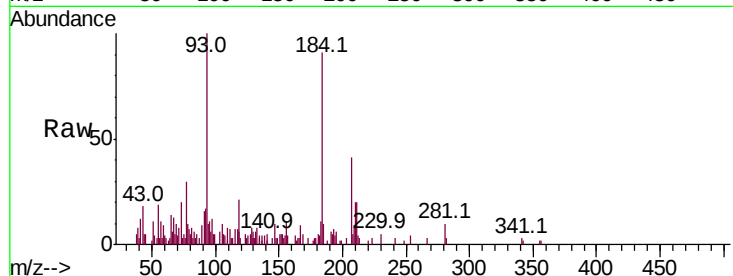
Tot Ion:184 Resp: 14107

Ion Ratio Lower Upper

184 100

185 11.4 12.6 19.0#

183 12.2 11.3 16.9



#79

Terphenyl-d14

Concen: 109.413 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

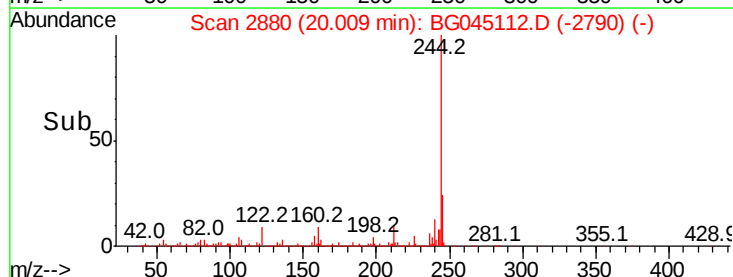
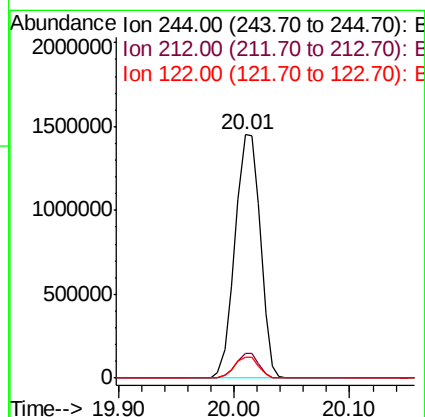
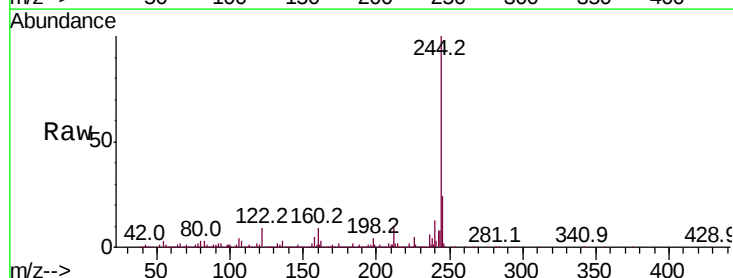
Tgt Ion:244 Resp: 2196155

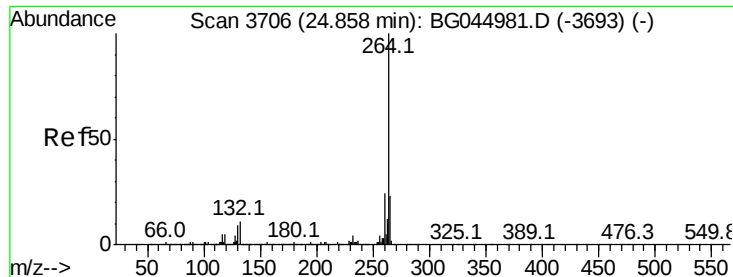
Ion Ratio Lower Upper

244 100

212 10.2 7.9 11.9

122 8.8 7.7 11.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.01 min

Lab File: BG045112.D

Acq: 21 Apr 2020 15:18

Instrument :

BNA_G

ClientSampleId :

RECLAIM-SYSTEM-SEDIMENT-PIT

Tot Ion:264 Resp: 476138

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.6 19.0 28.4

