

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041520\
 Data File : BG044997.D
 Acq On : 16 Apr 2020 00:55
 Operator : CG/JU
 Sample : L2259-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHASSIS-BUS-WASH

Quant Time: Apr 16 05:04:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 17:57:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	68692	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	292659	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	223491	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	519329	20.00	ng	0.00
76) Chrysene-d12	21.67	240	496932	20.00	ng	0.00
87) Perylene-d12	24.85	264	543689	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	531362	127.71	ng	0.00
7) Phenol-d6	7.19	99	783776	126.79	ng	0.00
23) Nitrobenzene-d5	9.18	82	596815	93.05	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	553111	160.20	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1454176	95.41	ng	0.00
79) Terphenyl-d14	20.02	244	2382450	104.50	ng	0.00

Target Compounds

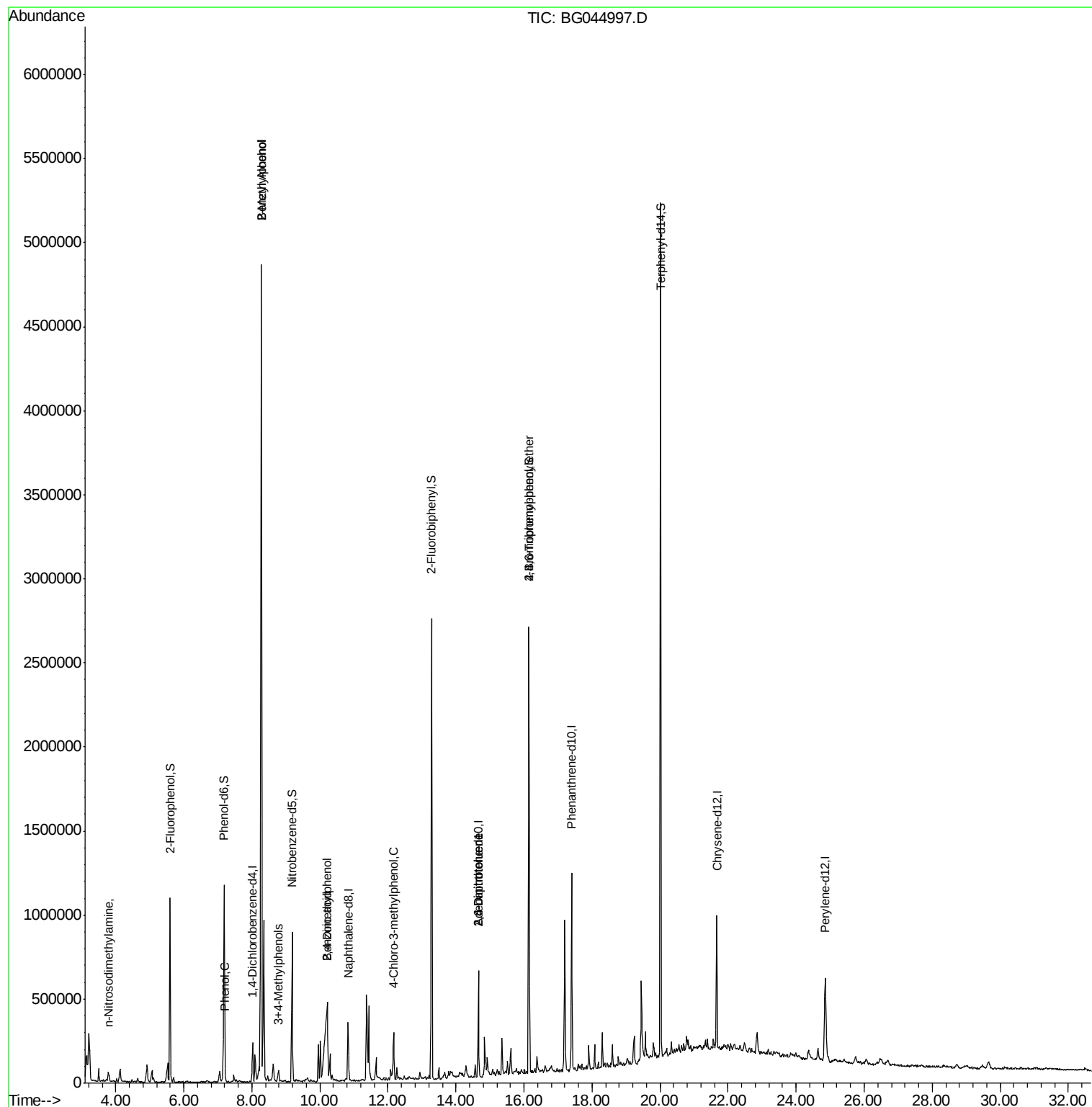
						Qvalue
4) n-Nitrosodimethylamine	3.78	42	6926	3.971	ng	# 1
10) Phenol	7.21	94	26847	4.340	ng	# 93
15) Benzyl Alcohol	8.28	79	2236539	431.517	ng	# 93
17) 2-Methylphenol	8.28	107	1205715	252.619	ng	# 25
20) 3+4-Methylphenols	8.79	107	28621	4.284	ng	# 87
27) 2,4-Dimethylphenol	10.20	122	475094	105.730	ng	# 2
32) Benzoic acid	10.20	122	475094	119.874	ng	# 97
36) 4-Chloro-3-methylphenol	12.17	107	67087	11.007	ng	# 22
51) 2,6-Dinitrotoluene	14.66	165	30673	7.536	ng	# 26
57) 2,4-Dinitrotoluene	14.66	165	30673	5.157	ng	# 23
67) 4-Bromophenyl-phenylether	16.14	248	38520	5.749	ng	# 1
69) Atrazine	17.05	200	813	Below	Cal	# 87
74) Di-n-butylphthalate	18.36	149	3754	Below	Cal	# 90
75) Fluoranthene	19.45	202	1472	Below	Cal	# 1
77) Benzidine	20.02	184	49167	Below	Cal	# 92

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 840

Delta R.T. 0.00 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

Instrument :

BNA_G

ClientSampleId :

CHASSIS-BUS-WASH

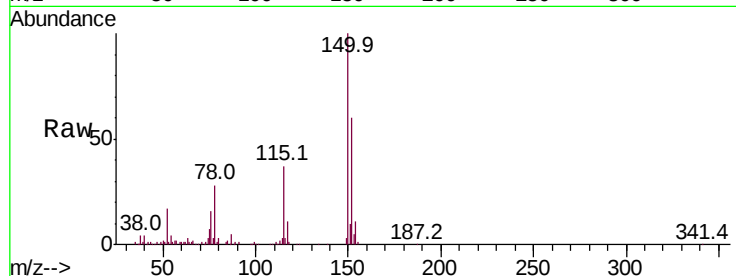
Tot Ion:152 Resp: 68692

Ion Ratio Lower Upper

152 100

150 165.7 123.6 185.4

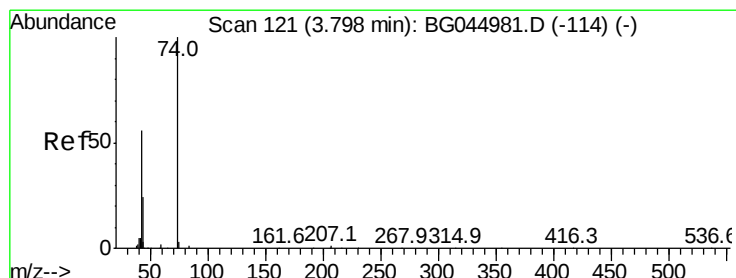
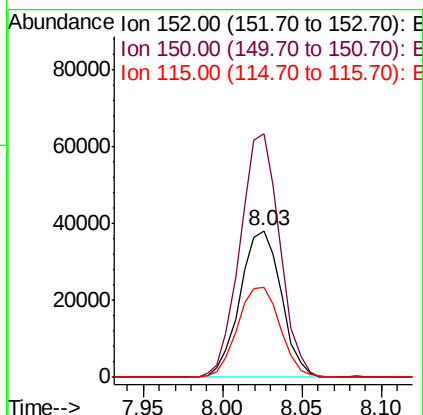
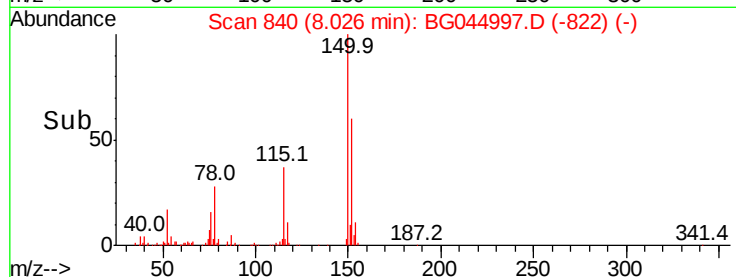
115 61.4 49.1 73.7



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: 3.971 ng

RT: 3.78 min Scan# 118

Delta R.T. -0.01 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

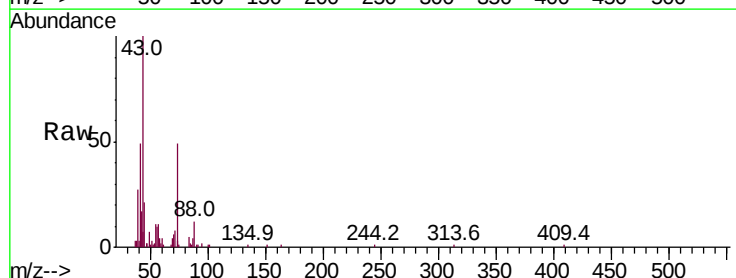
Tgt Ion: 42 Resp: 6926

Ion Ratio Lower Upper

42 100

74 16.3 143.0 214.6#

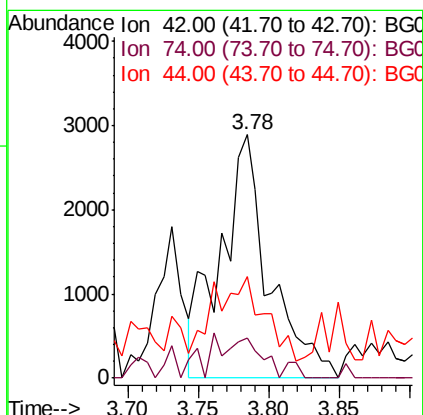
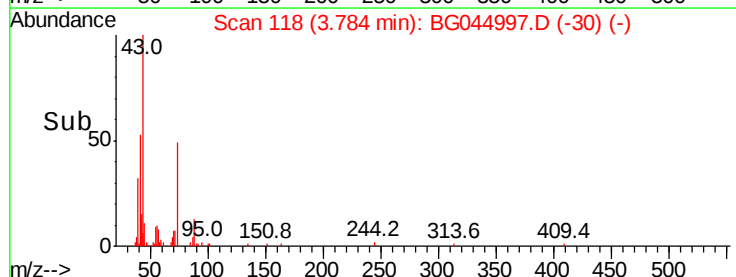
44 41.5 4.6 6.8#

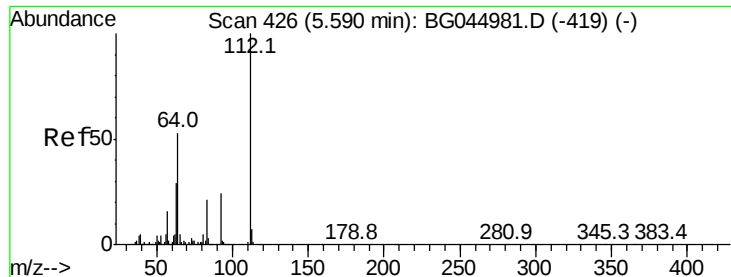


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 127.708 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

Instrument :

BNA_G

ClientSampleId :

CHASSIS-BUS-WASH

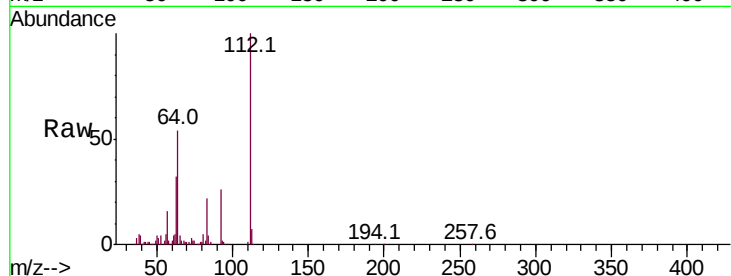
Tot Ion:112 Resp: 531362

Ion Ratio Lower Upper

112 100

64 54.5 42.4 63.6

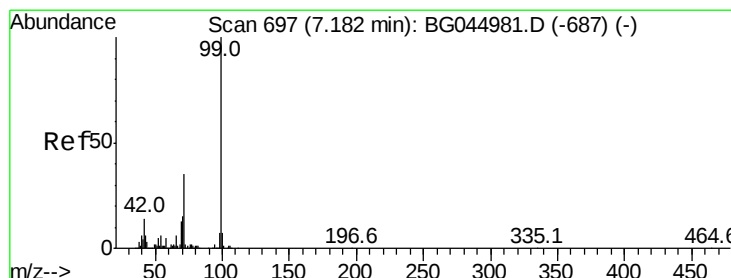
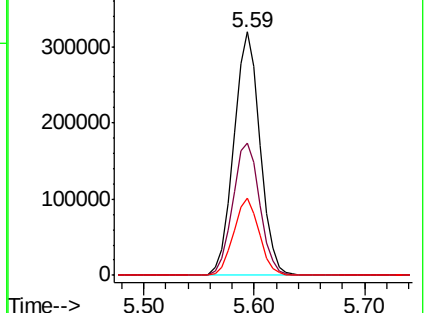
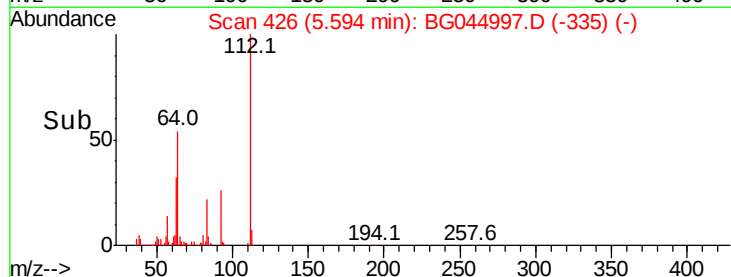
63 31.9 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 126.786 ng

RT: 7.19 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

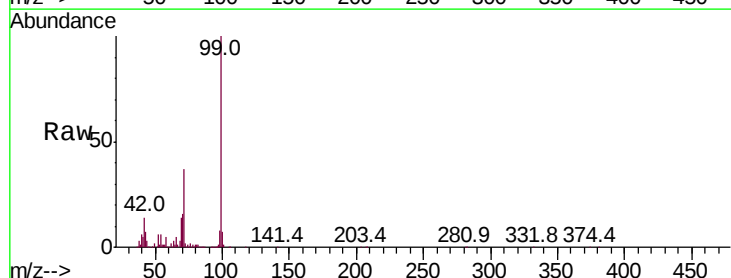
Tgt Ion: 99 Resp: 783776

Ion Ratio Lower Upper

99 100

42 14.3 11.3 16.9

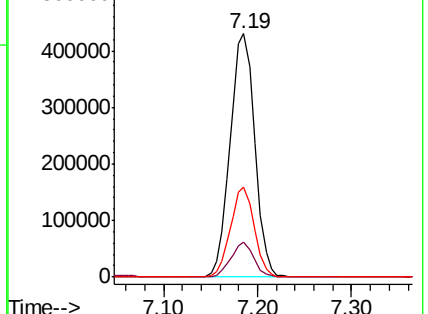
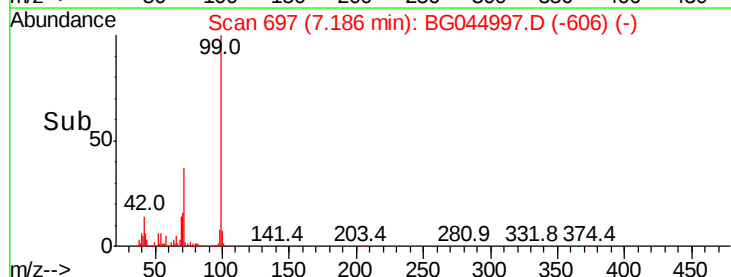
71 36.8 28.3 42.5

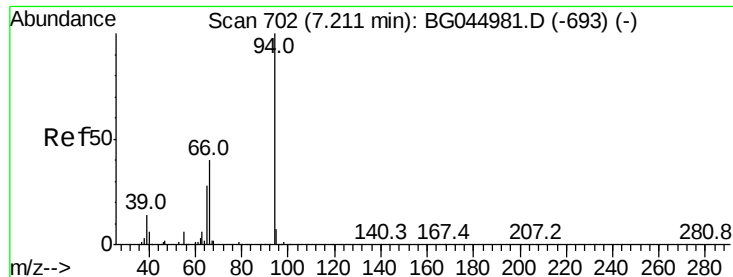


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.340 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

Instrument :

BNA_G

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CHASSIS-BUS-WASH

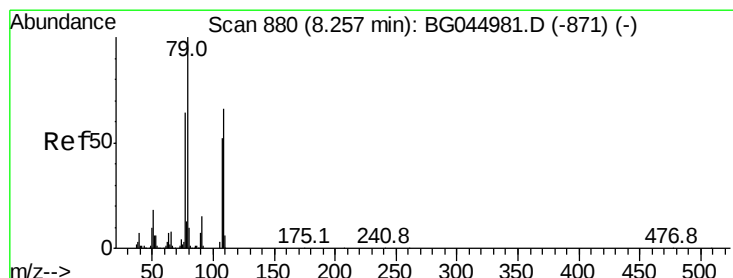
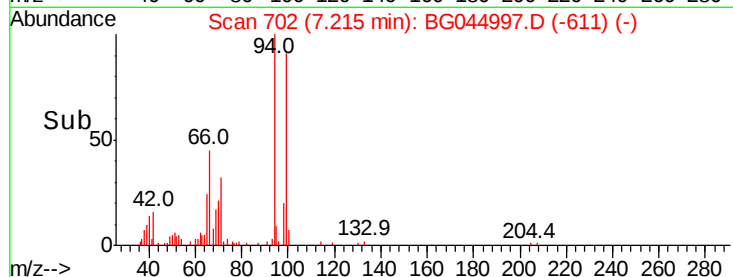
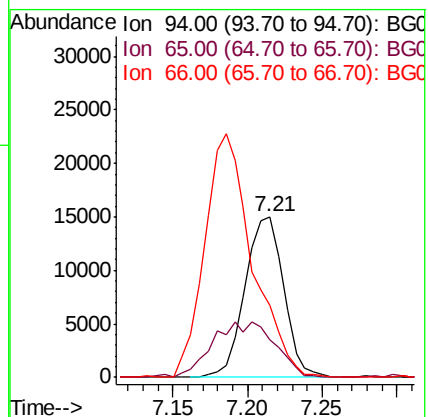
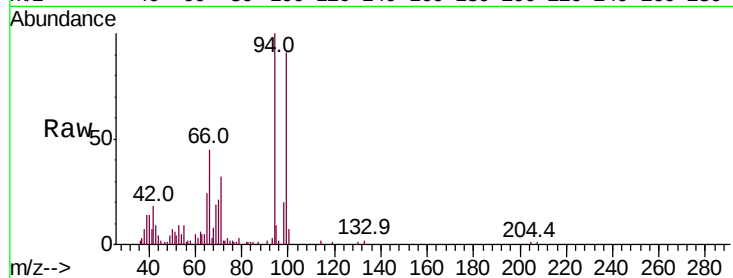
Tot Ion: 94 Resp: 26847

Ion Ratio Lower Upper

94 100

65 23.7 8.2 48.2

66 44.6 20.4 60.4



#15

Benzyl Alcohol

Concen: 431.517 ng

RT: 8.28 min Scan# 883

Delta R.T. 0.02 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

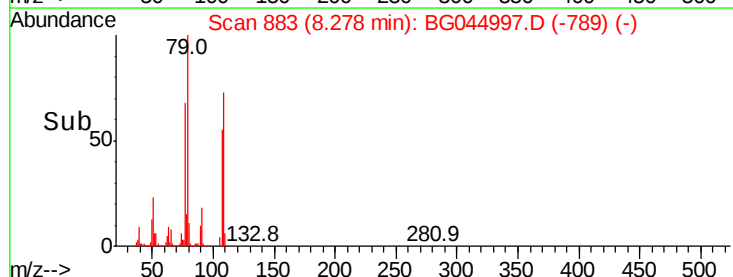
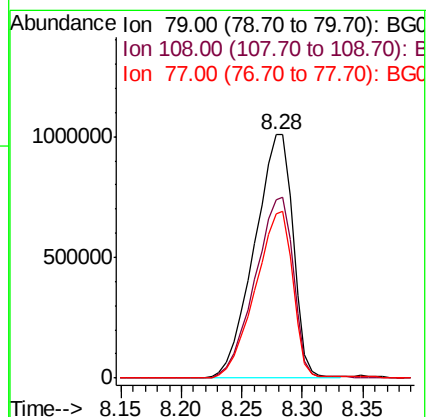
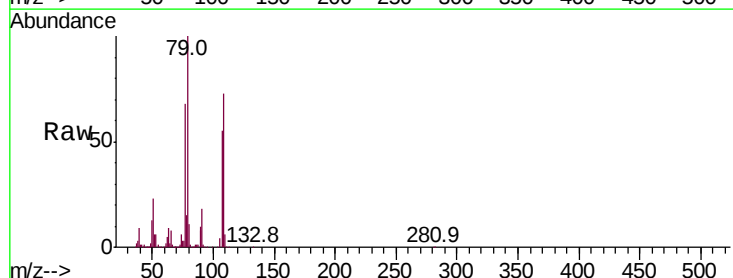
Tgt Ion: 79 Resp: 2236539

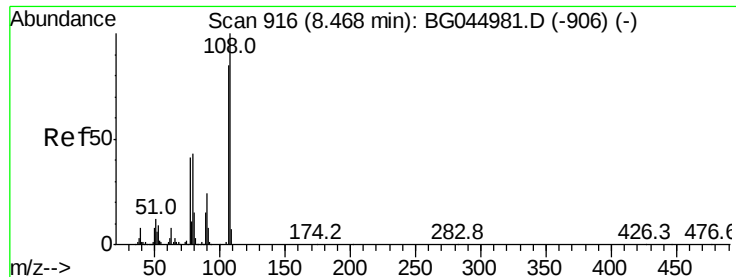
Ion Ratio Lower Upper

79 100

108 73.3 52.7 79.1

77 67.6 51.3 76.9





#17

2-Methylphenol

Concen: 252.619 ng

RT: 8.28 min Scan# 884

Delta R.T. -0.18 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

Instrument :

BNA_G

ClientSampleId :

CHASSIS-BUS-WASH

Tot Ion:107 Resp: 1205715

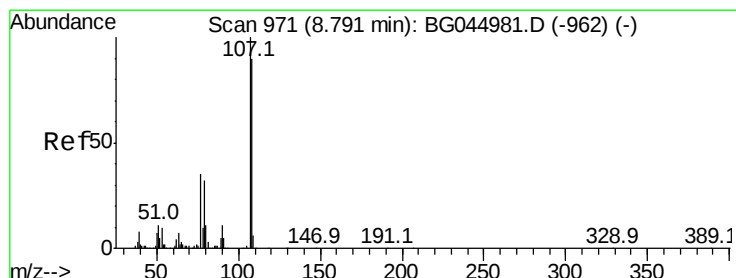
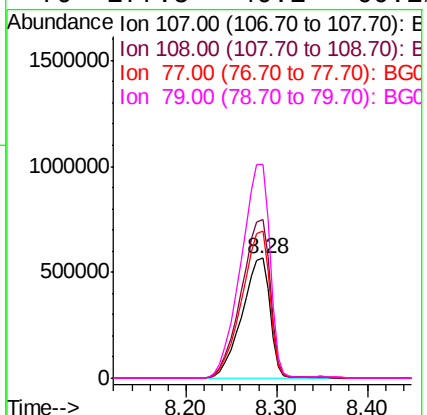
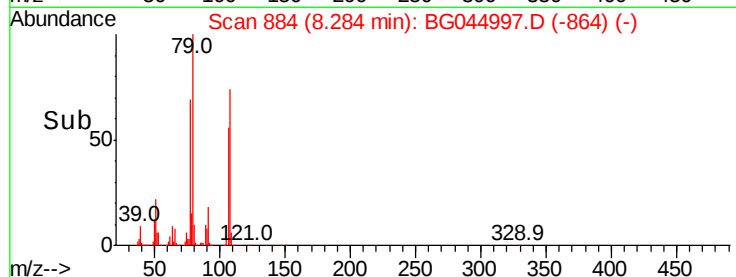
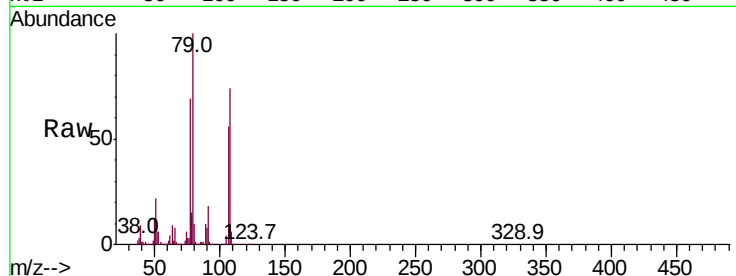
Ion Ratio Lower Upper

107 100

108 131.6 93.8 140.6

77 122.1 38.5 57.7#

79 177.5 40.1 60.1#



#20

3+4-Methylphenols

Concen: 4.284 ng

RT: 8.79 min Scan# 970

Delta R.T. -0.00 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

Tgt Ion:107 Resp: 28621

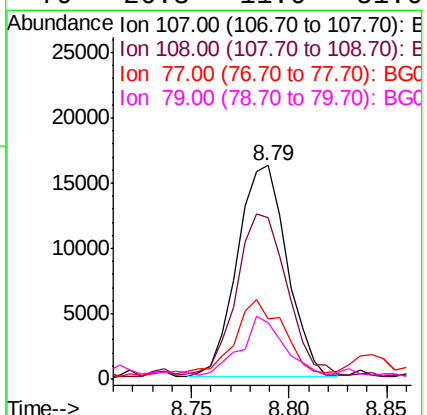
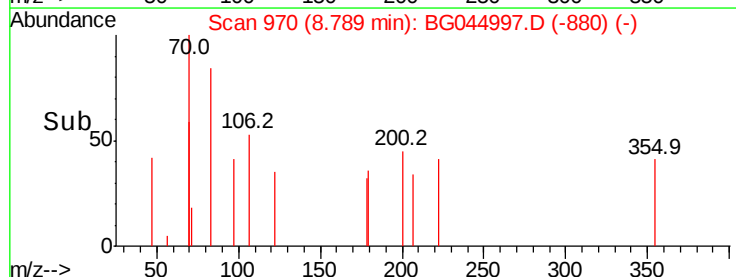
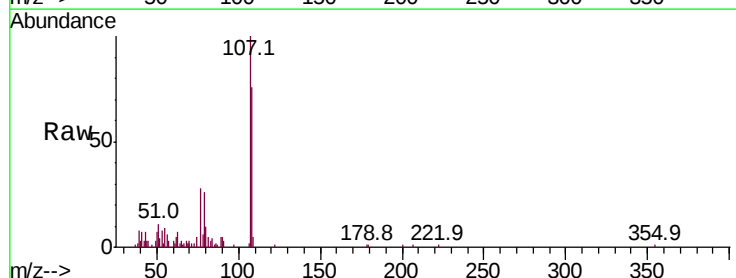
Ion Ratio Lower Upper

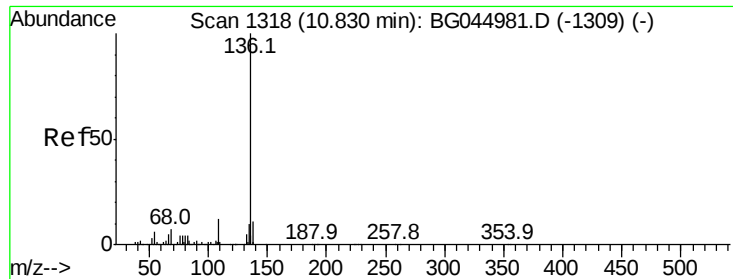
107 100

108 75.6 69.9 109.9

77 28.4 15.2 55.2

79 26.3 11.6 51.6

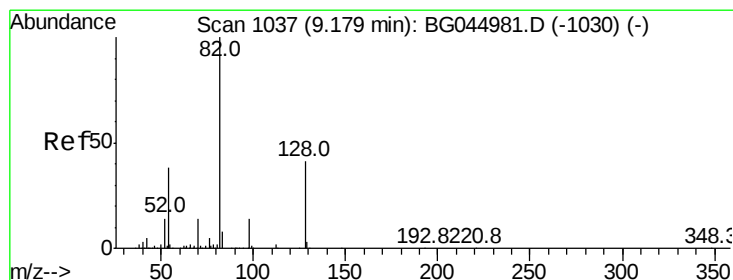
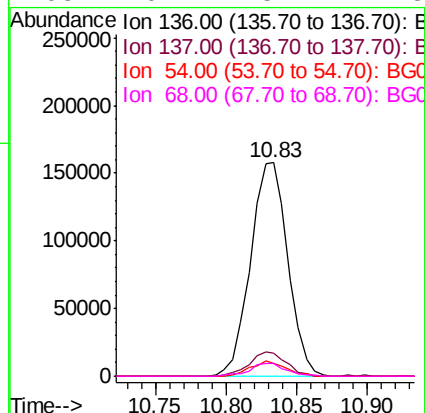
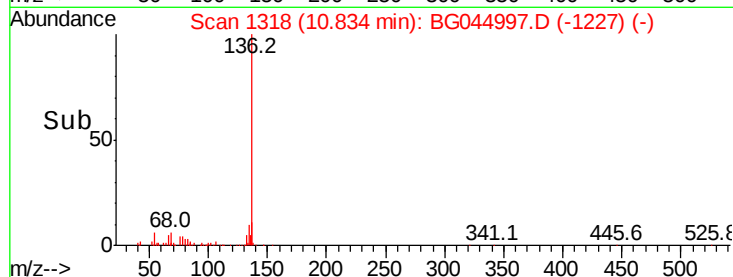
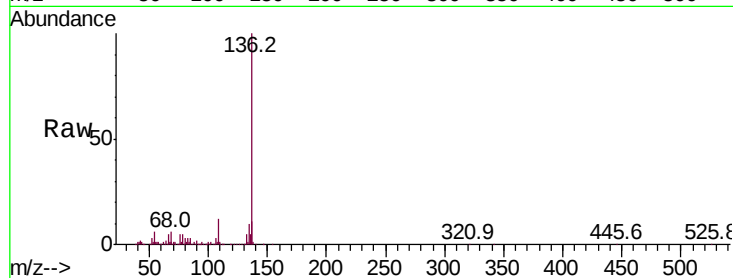




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG044997.D
Acq: 16 Apr 2020 00:55

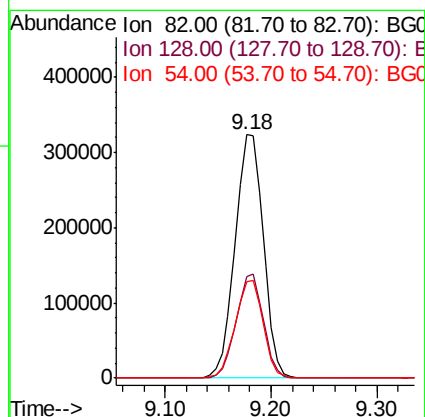
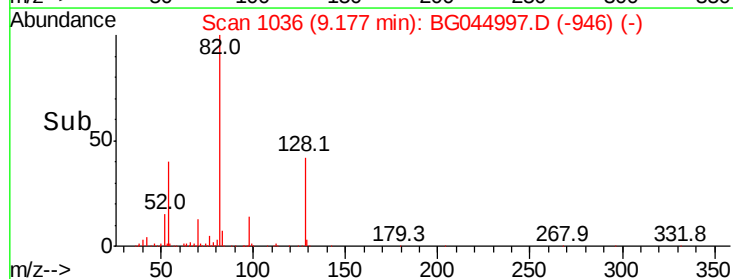
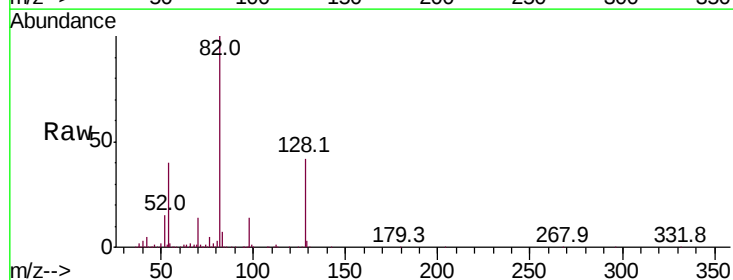
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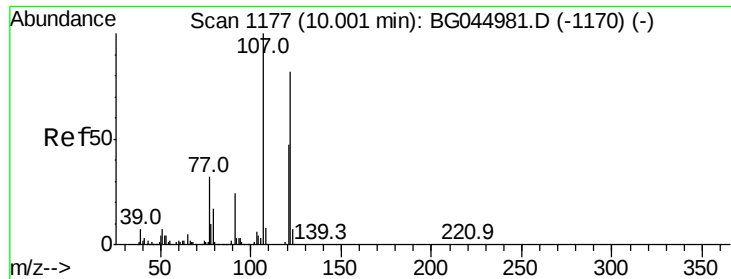
Tot Ion:136	Resp:	292659
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.6	13.0
54 6.3	4.8	7.2
68 6.1	5.2	7.8



#23
Nitrobenzene-d5
Concen: 93.050 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG044997.D
Acq: 16 Apr 2020 00:55

Tgt	Ion: 82	Resp:	596815
Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.0	49.4
54	39.5	30.4	45.6

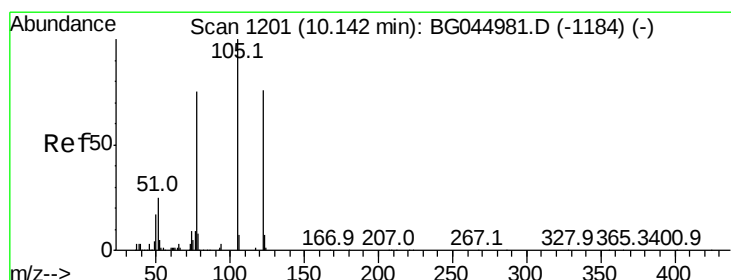
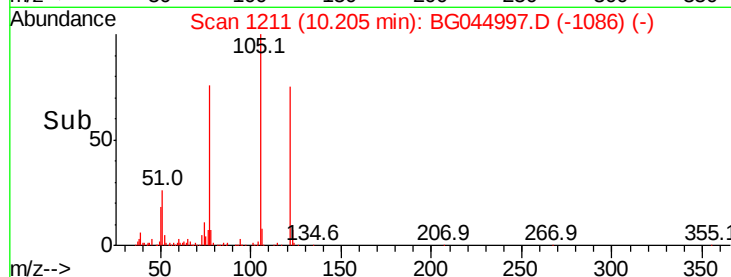
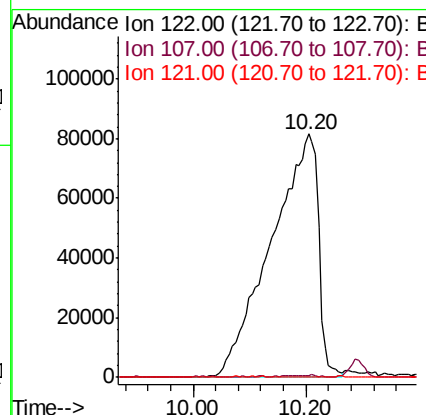
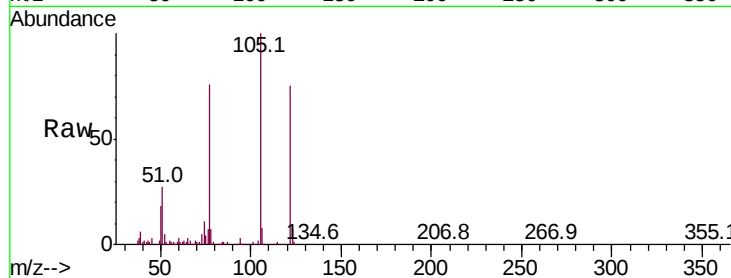




#27
2,4-Dimethylphenol
Concen: 105.730 ng
RT: 10.20 min Scan# 1211
Delta R.T. 0.20 min
Lab File: BG044997.D
Acq: 16 Apr 2020 00:55

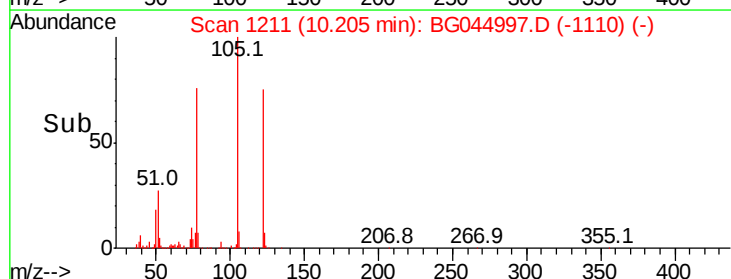
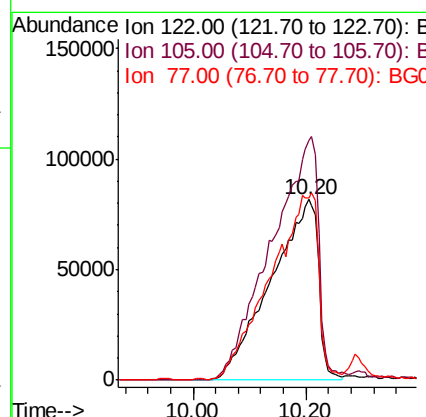
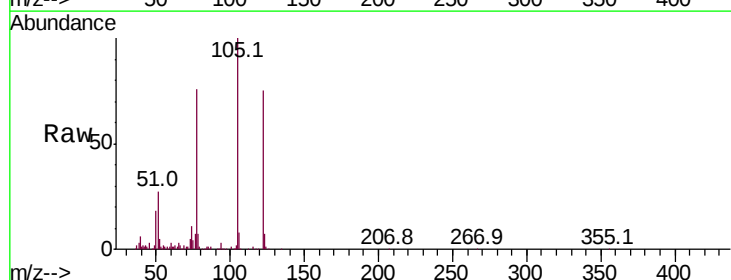
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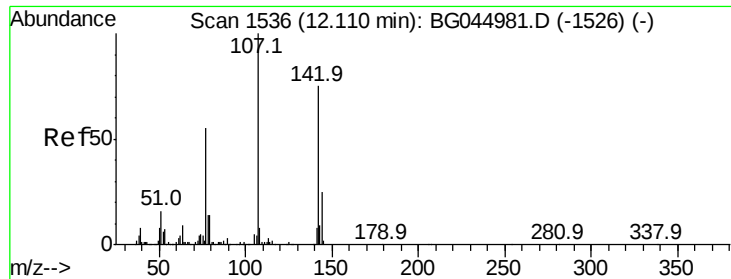
Tot Ion:122 Resp: 475094
Ion Ratio Lower Upper
122 100
107 0.6 96.8 145.2#
121 0.0 45.6 68.4#



#32
Benzoic acid
Concen: 119.874 ng
RT: 10.20 min Scan# 1211
Delta R.T. 0.06 min
Lab File: BG044997.D
Acq: 16 Apr 2020 00:55

Tgt Ion:122 Resp: 475094
Ion Ratio Lower Upper
122 100
105 132.7 108.4 148.4
77 101.2 78.8 118.8

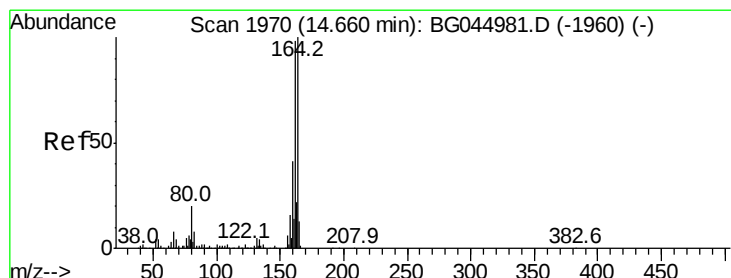
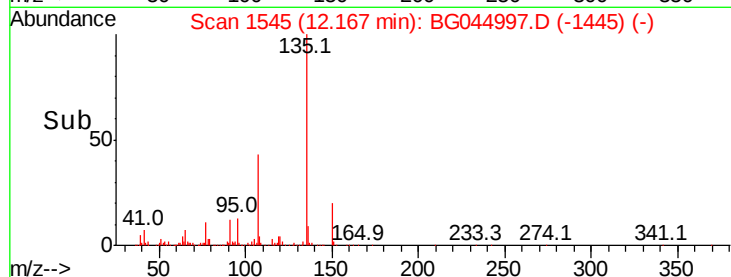
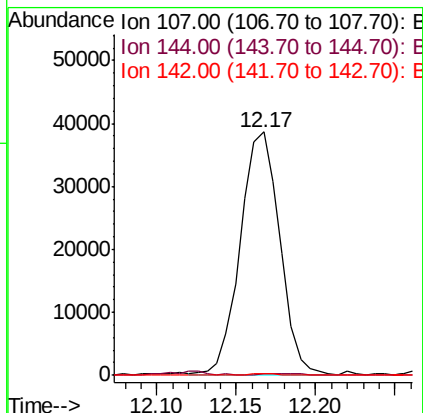
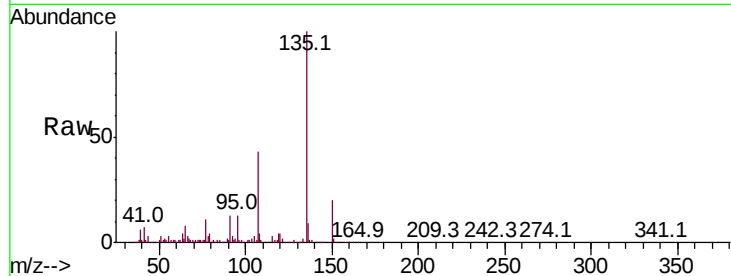




#36
 4-Chloro-3-methylphenol
 Concen: 11.007 ng
 RT: 12.17 min Scan# 1545
 Delta R.T. 0.06 min
 Lab File: BG044997.D
 Acq: 16 Apr 2020 00:55

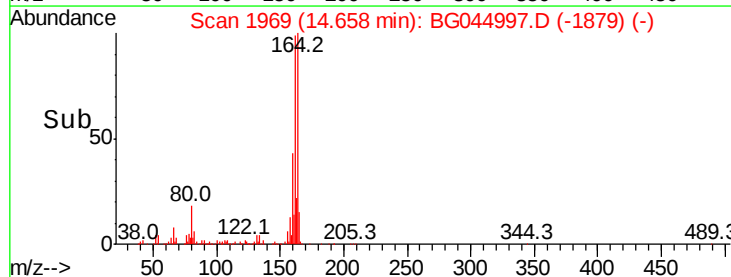
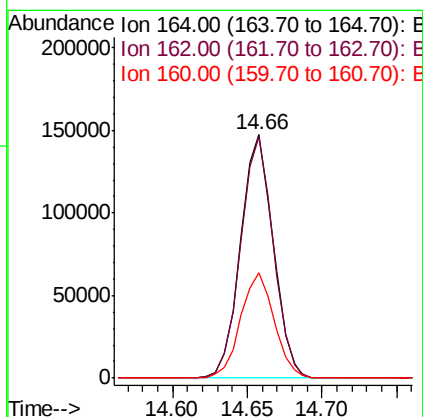
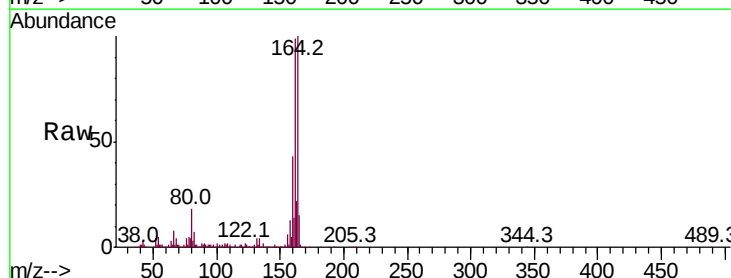
Instrument :
 BNA_G
 ClientSampleId :
 CHASSIS-BUS-WASH

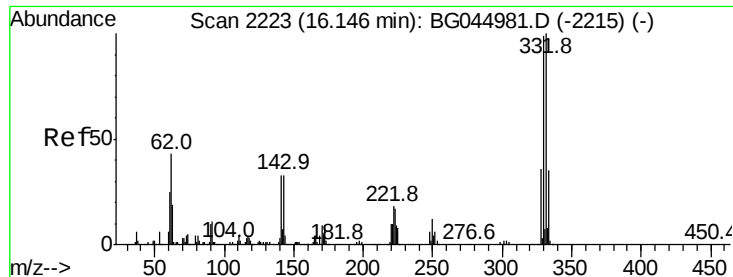
Tot Ion:107 Resp: 67087
 Ion Ratio Lower Upper
 107 100
 144 0.6 19.8 29.6#
 142 0.5 59.7 89.5#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: BG044997.D
 Acq: 16 Apr 2020 00:55

Tgt Ion:164 Resp: 223491
 Ion Ratio Lower Upper
 164 100
 162 98.9 78.7 118.1
 160 43.3 32.8 49.2

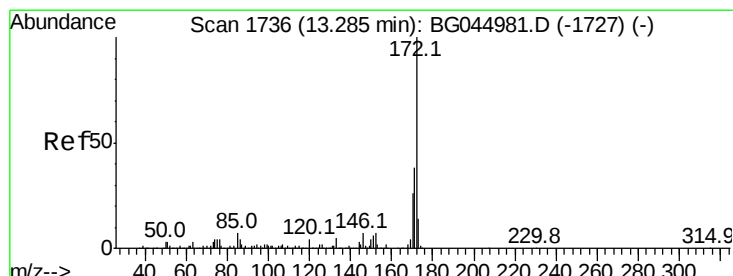
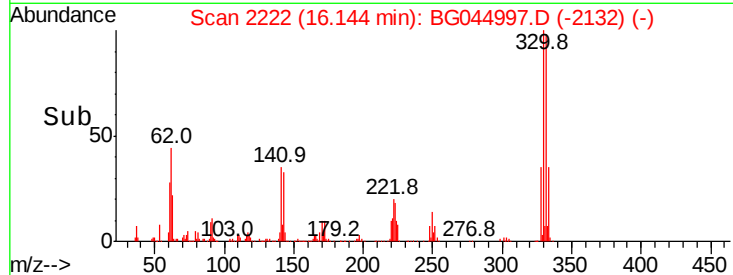
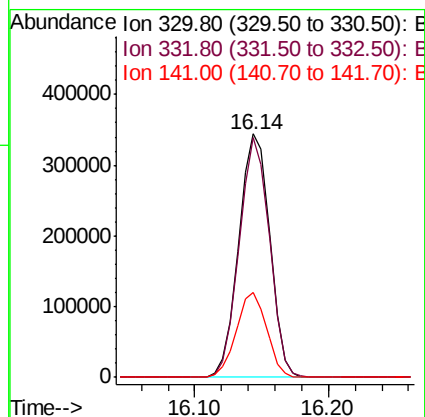
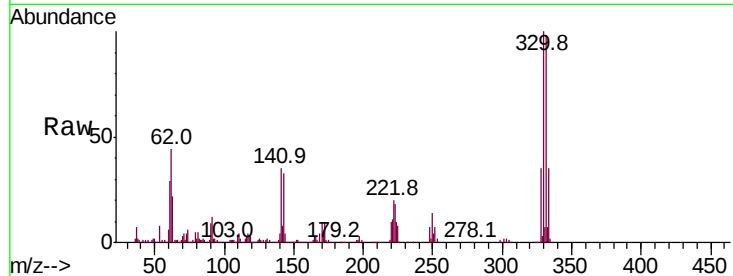




#42
 2,4,6-Tribromophenol
 Concen: 160.199 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG044997.D
 Acq: 16 Apr 2020 00:55

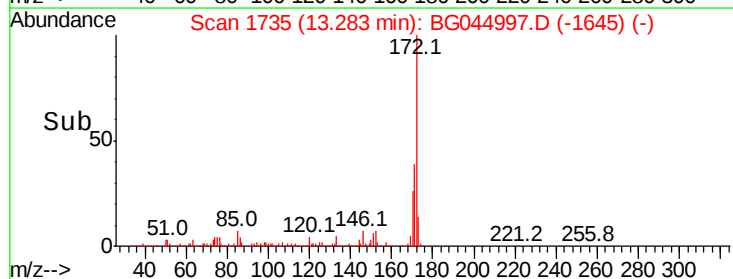
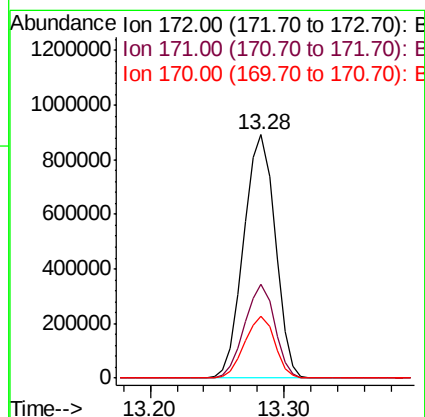
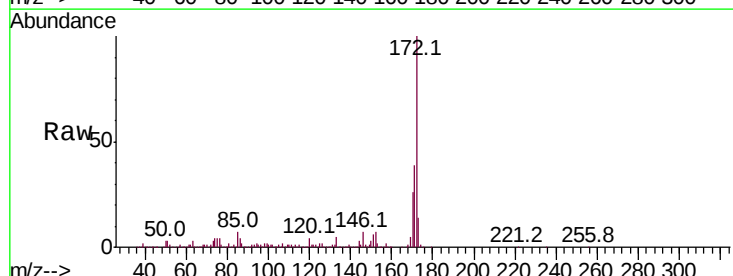
Instrument :
 BNA_G
 ClientSampleId :
 CHASSIS-BUS-WASH

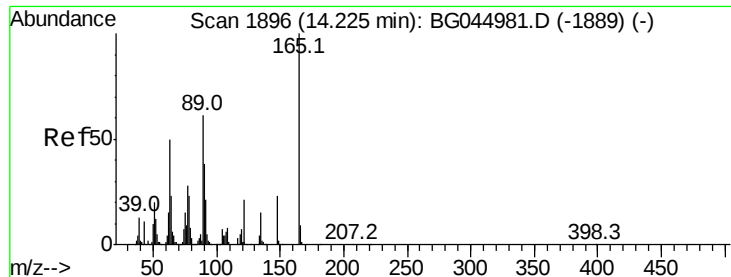
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	79.1	118.7
141	34.3	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 95.408 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG044997.D
 Acq: 16 Apr 2020 00:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.6	46.0
170	25.7	20.5	30.7





#51

2,6-Dinitrotoluene

Concen: 7.536 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.43 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

Instrument :

BNA_G

ClientSampleId :

CHASSIS-BUS-WASH

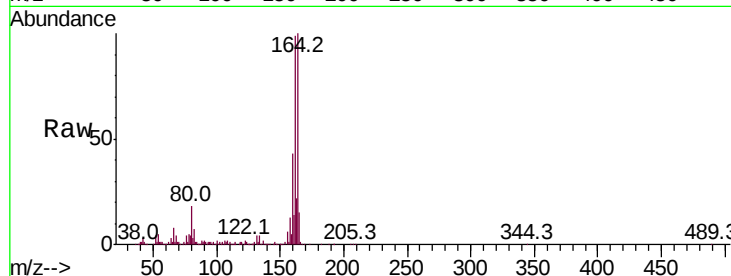
Tot Ion:165 Resp: 30673

Ion Ratio Lower Upper

165 100

63 0.0 40.4 60.6#

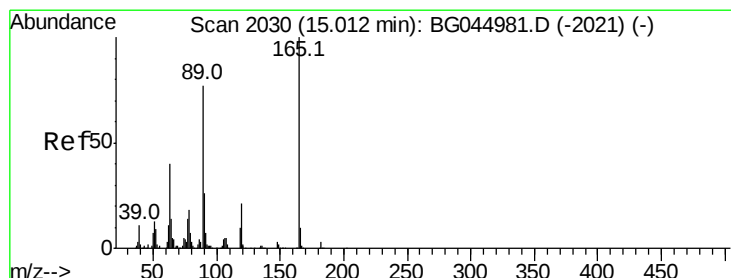
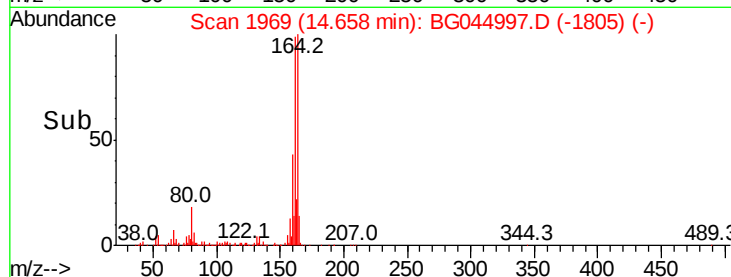
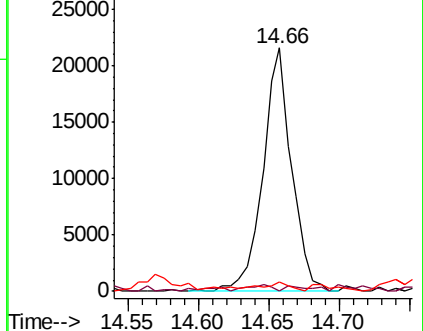
89 3.6 49.1 73.7#



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



#57

2,4-Dinitrotoluene

Concen: 5.157 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.35 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

Tgt Ion:165 Resp: 30673

Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 3.6 61.7 92.5#

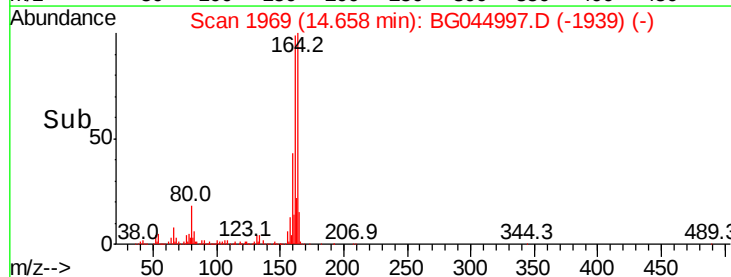
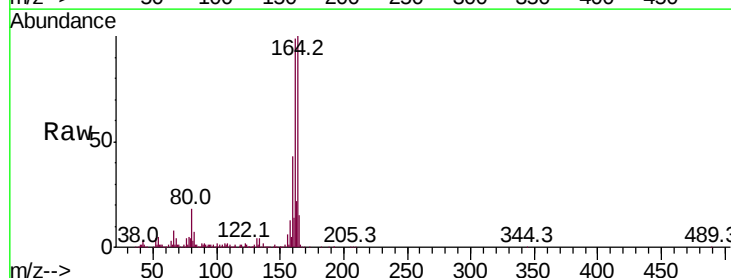
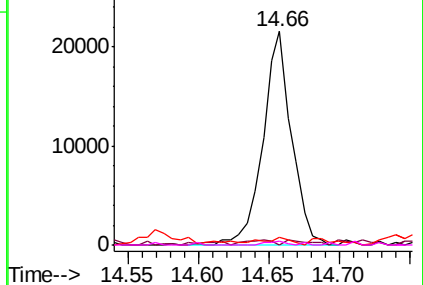
182 2.0 2.0 3.0

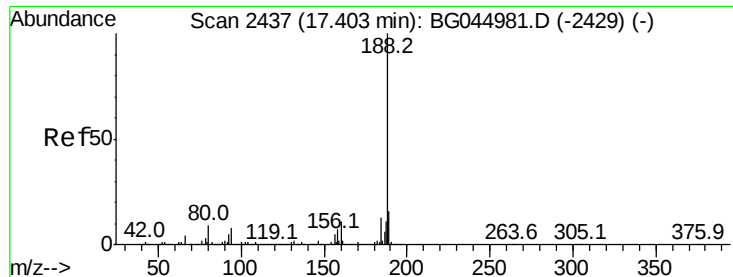
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2436

Delta R.T. -0.00 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

Instrument :

BNA_G

ClientSampleId :

CHASSIS-BUS-WASH

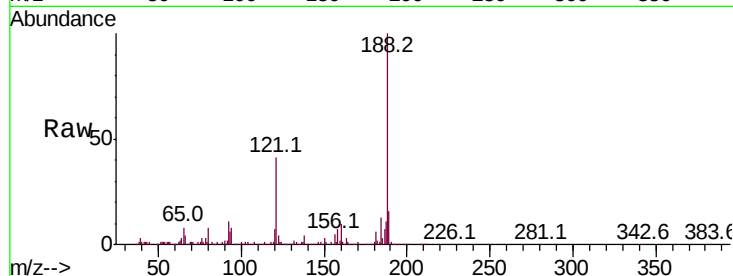
Tot Ion:188 Resp: 519329

Ion Ratio Lower Upper

188 100

94 7.6 6.2 9.4

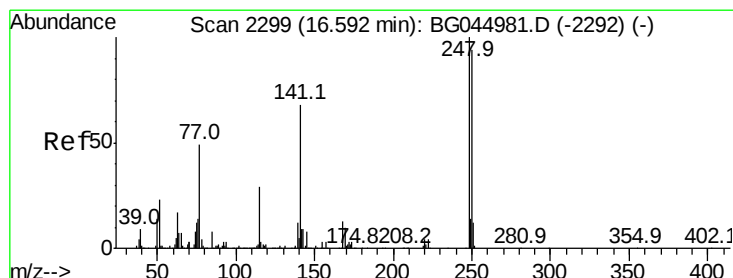
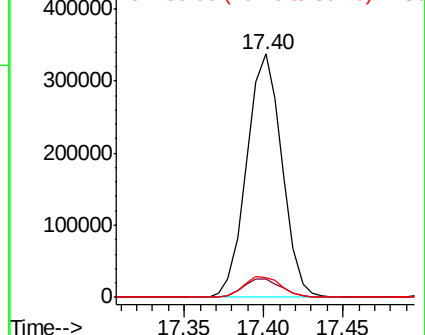
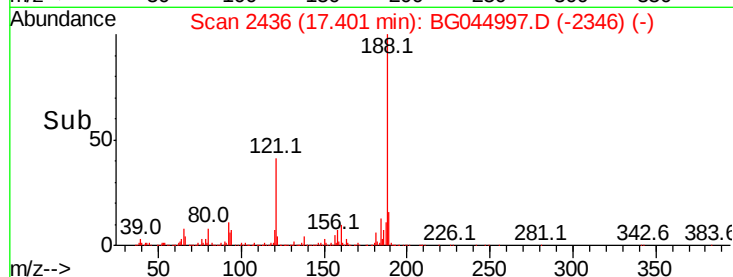
80 8.0 7.0 10.6



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: 5.749 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

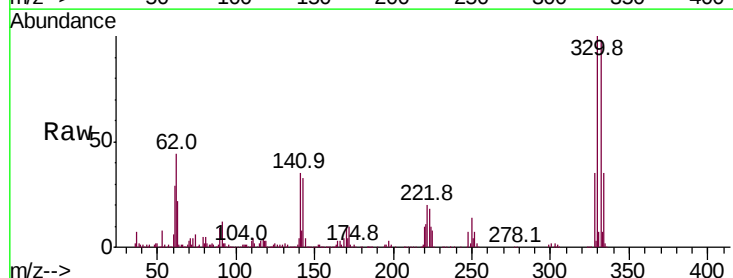
Tgt Ion:248 Resp: 38520

Ion Ratio Lower Upper

248 100

250 187.7 75.4 113.2#

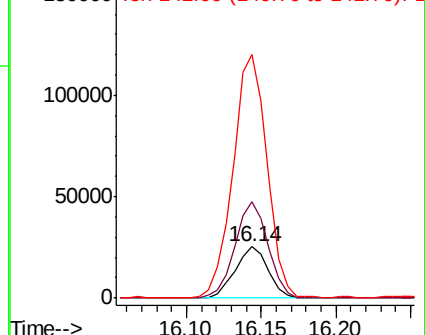
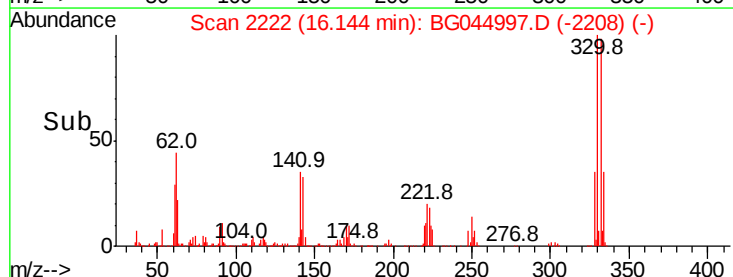
141 473.7 54.4 81.6#

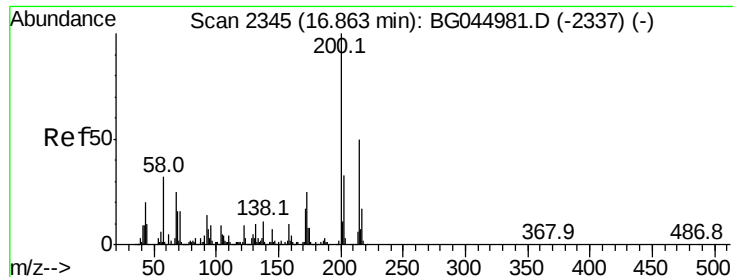


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 17.05 min Scan# 2377

Delta R.T. 0.19 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

Instrument :

BNA_G

ClientSampleId :

CHASSIS-BUS-WASH

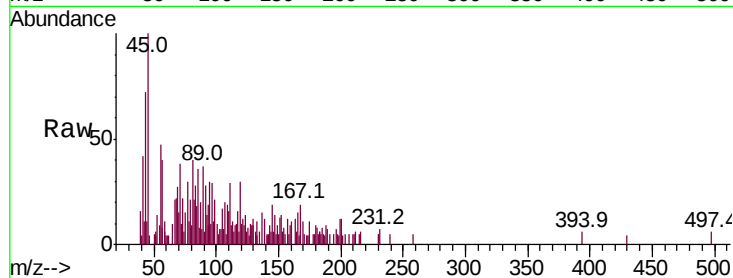
Tot Ion:200 Resp: 813

Ion Ratio Lower Upper

200 100

173 32.5 4.5 44.5

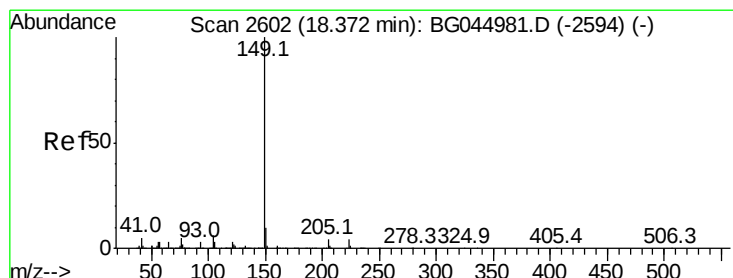
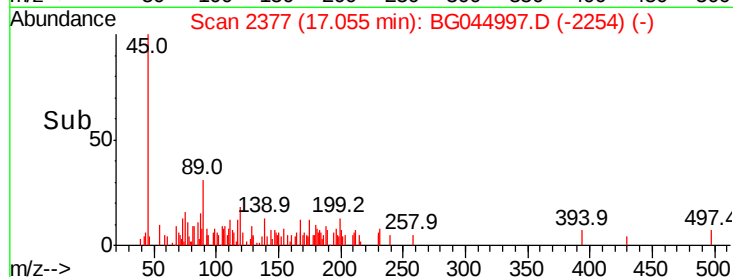
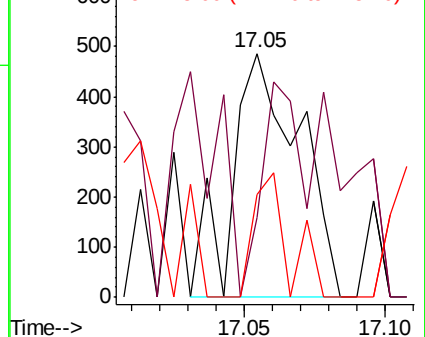
215 42.0 30.0 70.0



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. -0.01 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

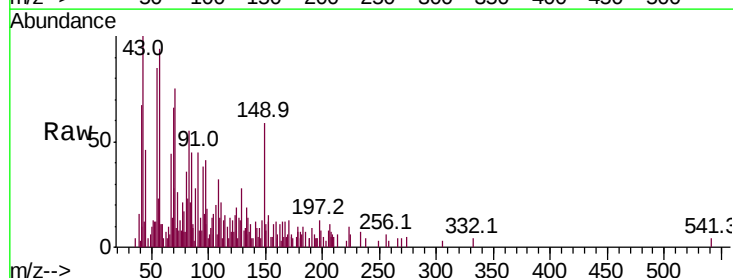
Tgt Ion:149 Resp: 3754

Ion Ratio Lower Upper

149 100

150 13.7 8.2 12.2#

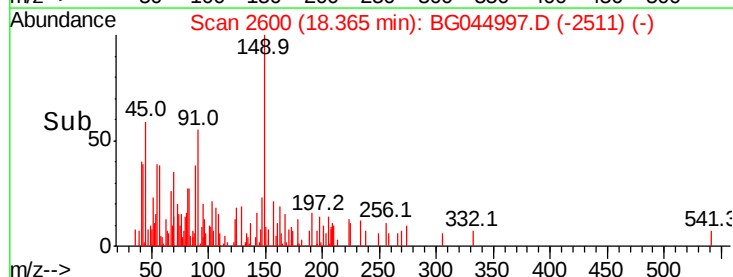
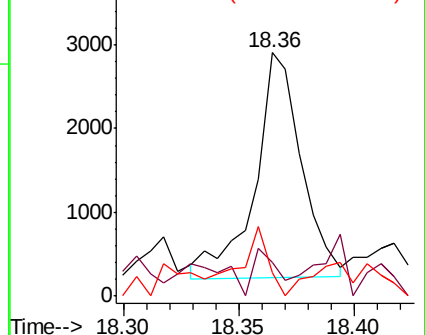
104 9.4 4.8 7.2#

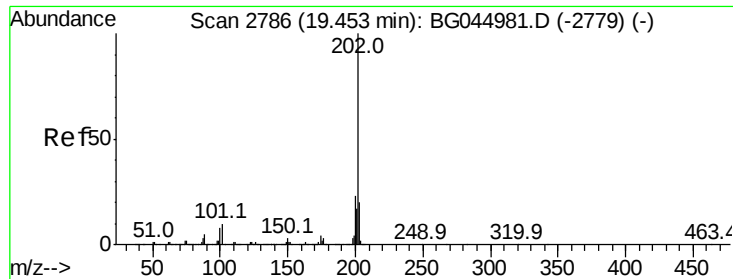


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

Instrument :

BNA_G

ClientSampleId :

CHASSIS-BUS-WASH

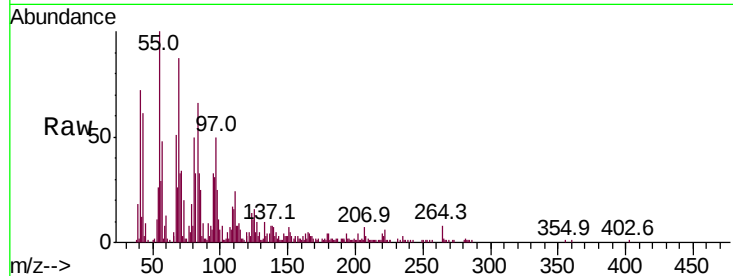
Tot Ion:202 Resp: 1472

Ion Ratio Lower Upper

202 100

101 222.8 0.0 29.6#

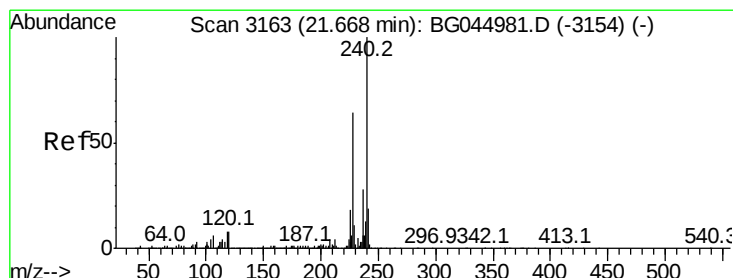
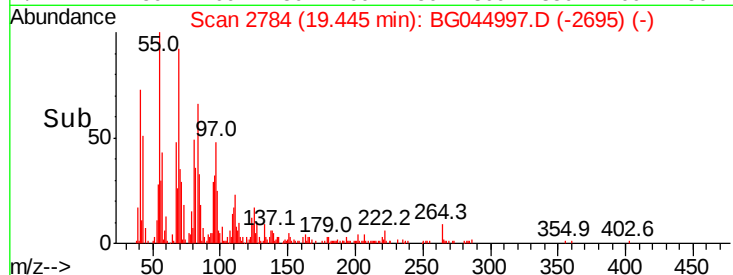
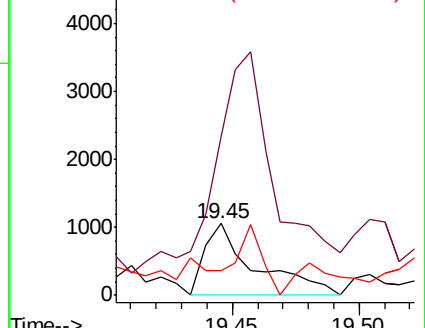
203 35.3 0.0 39.7



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: 21.67 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

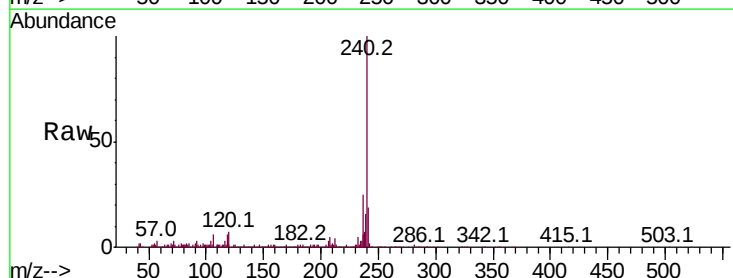
Tgt Ion:240 Resp: 496932

Ion Ratio Lower Upper

240 100

120 6.8 6.6 10.0

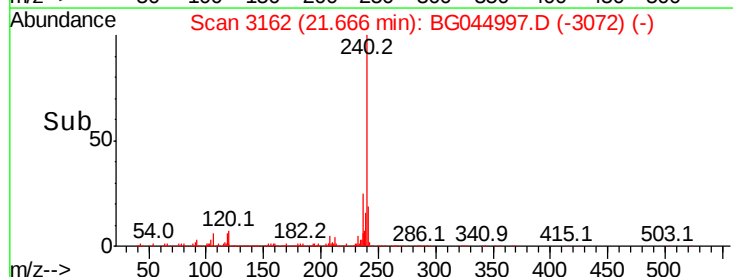
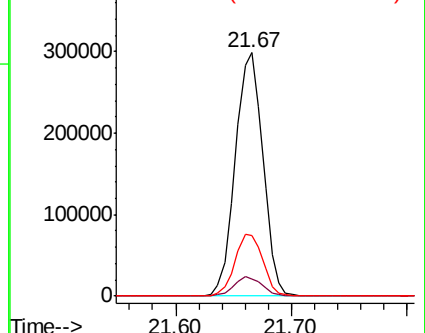
236 25.0 22.2 33.2

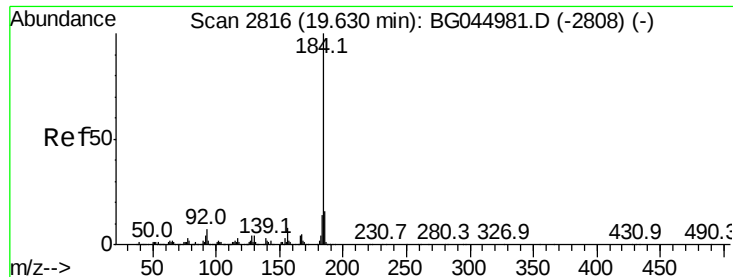


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 20.02 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

Instrument :

BNA_G

ClientSampleId :

CHASSIS-BUS-WASH

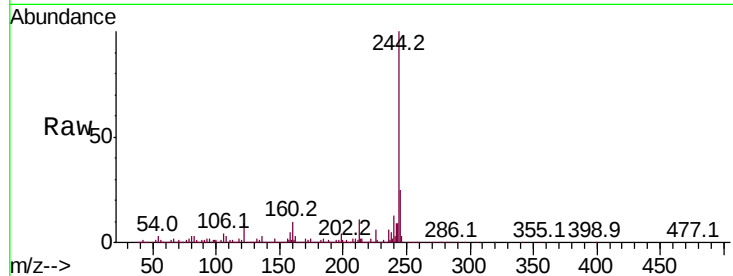
Tot Ion:184 Resp: 49167

Ion Ratio Lower Upper

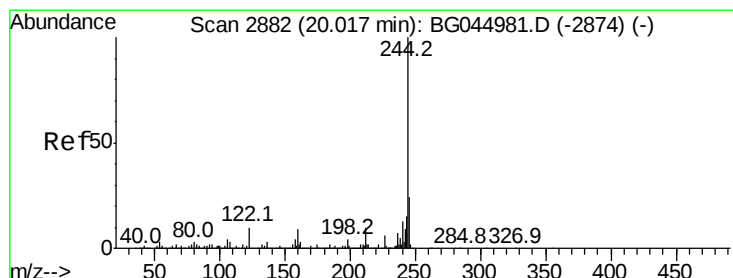
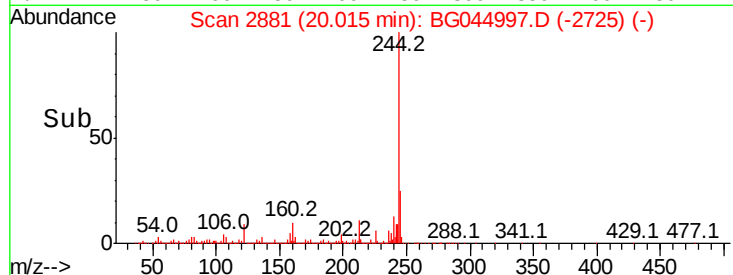
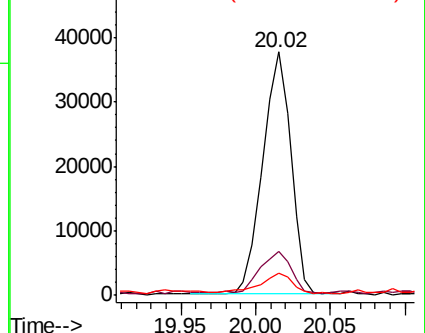
184 100

185 17.9 12.6 19.0

183 9.2 11.3 16.9#



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: 104.495 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG044997.D

Acq: 16 Apr 2020 00:55

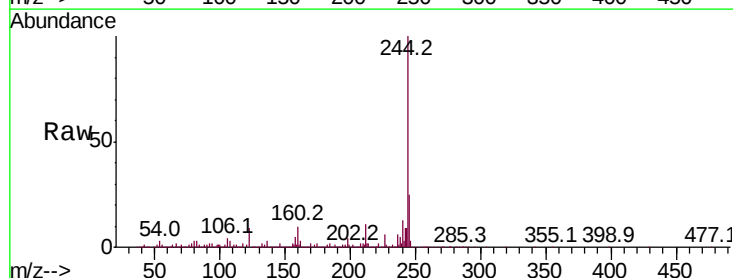
Tgt Ion:244 Resp: 2382450

Ion Ratio Lower Upper

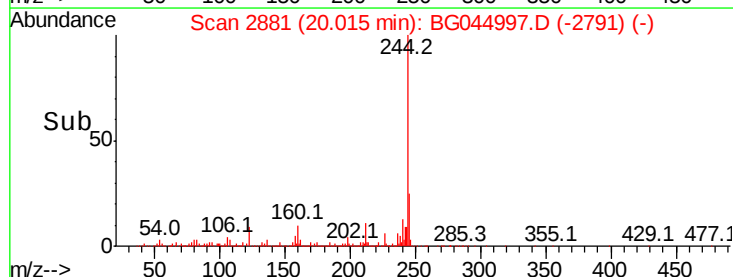
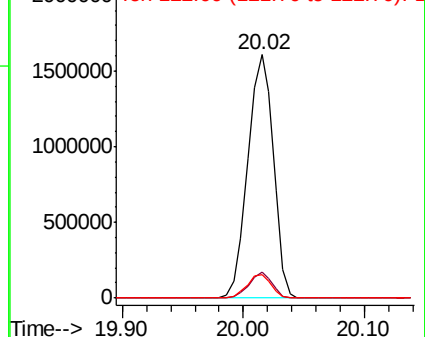
244 100

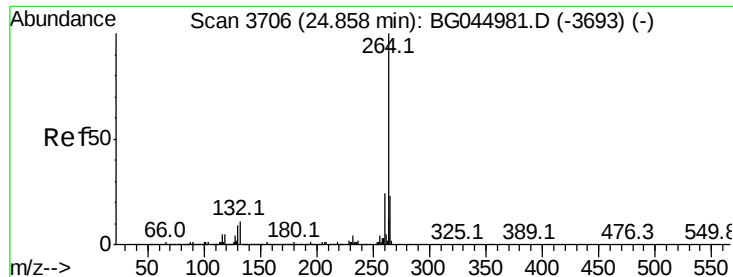
212 10.9 7.9 11.9

122 9.5 7.7 11.5



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
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG044997.D
Acq: 16 Apr 2020 00:55

Instrument :
BNA_G
ClientSampleId :
CHASSIS-BUS-WASH

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	19.0	28.4

