

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072816\
 Data File : BG023319.D
 Acq On : 28 Jul 2016 23:06
 Operator : UM/SJ
 Sample : H4175-02RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EFF-WWRE

Quant Time: Jul 29 01:10:06 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:30:33 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	214025	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	913735	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	648156	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	1123653	20.00	ng	0.00
75) Chrysene-d12	21.91	240	1104096	20.00	ng	0.02
86) Perylene-d12	25.30	264	1152951	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	35785	2.85	ng	0.00
7) Phenol-d6	7.34	99	140076	7.28	ng	0.05
23) Nitrobenzene-d5	9.32	82	1247509	66.77	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	15199	2.27	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2375777	68.60	ng	0.00
78) Terphenyl-d14	20.20	244	2249571	66.23	ng	0.02

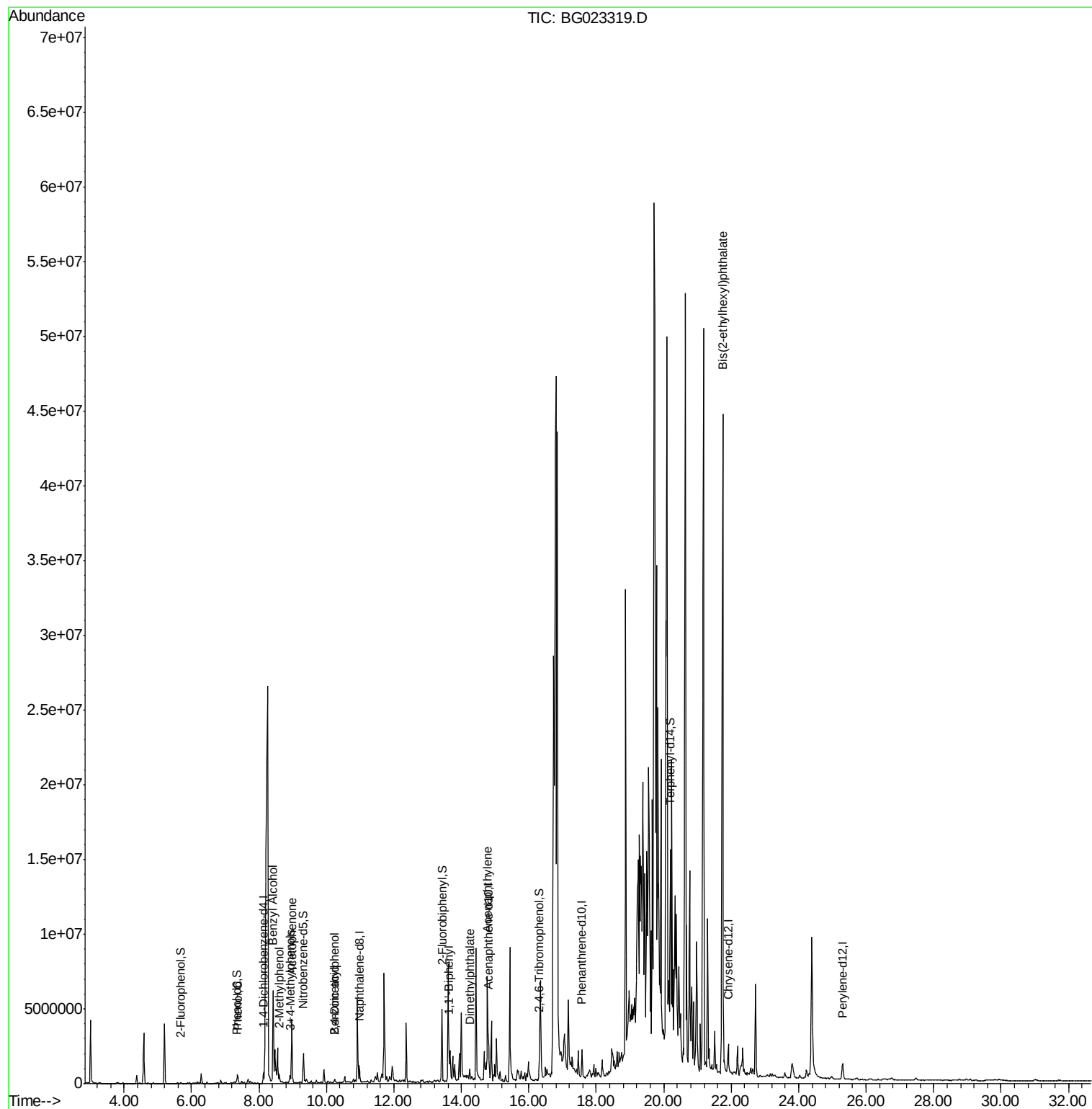
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.37	94	352617	17.36	ng	82
15) Benzyl Alcohol	8.42	79	2203852	170.13	ng	# 88
17) 2-Methylphenol	8.59	107	171860	12.38	ng	# 88
20) 3+4-Methylphenols	8.92	107	268098	14.20	ng	82
22) Acetophenone	8.98	105	2242745	94.01	ng	# 93
27) 2,4-Dimethylphenol	10.25	122	106860	7.74	ng	# 1
32) Benzoic acid	10.25	122	106860	16.01	ng	# 83
45) 1,1'-Biphenyl	13.63	154	305471	6.76	ng	99
48) Acenaphthylene	14.77	152	737634	13.30	ng	# 47
49) Dimethylphthalate	14.25	163	431255	9.02	ng	99
83) Bis(2-ethylhexyl)phthalate	21.75	149	91836	2.38	ng	# 1

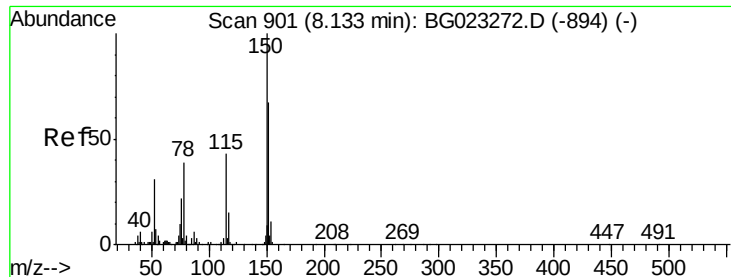
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 902

Delta R.T. -0.00 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

Instrument :

BNA_G

ClientSampleId :

EFF-WWRE

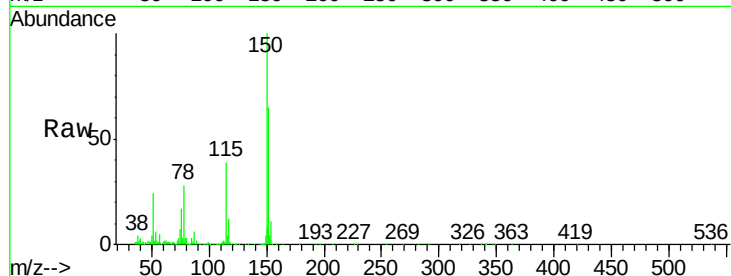
Tgt Ion:152 Resp: 214025

Ion Ratio Lower Upper

152 100

150 154.6 144.7 217.1

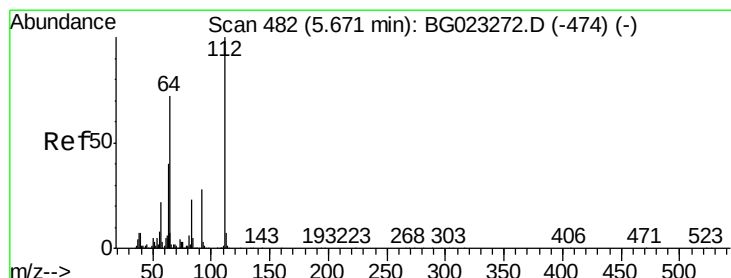
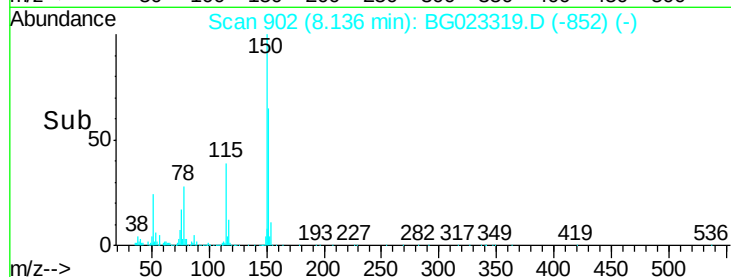
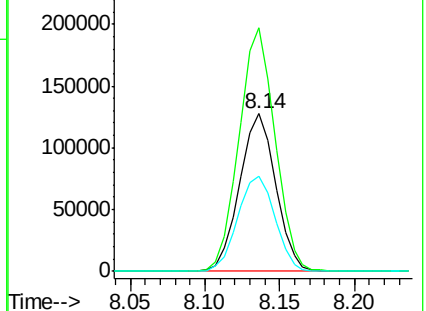
115 60.3 64.0 96.0#



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: 2.85 ng

RT: 5.68 min Scan# 484

Delta R.T. 0.01 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

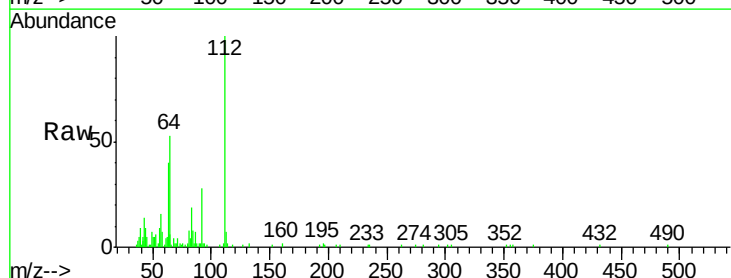
Tgt Ion:112 Resp: 35785

Ion Ratio Lower Upper

112 100

64 52.8 59.0 88.4#

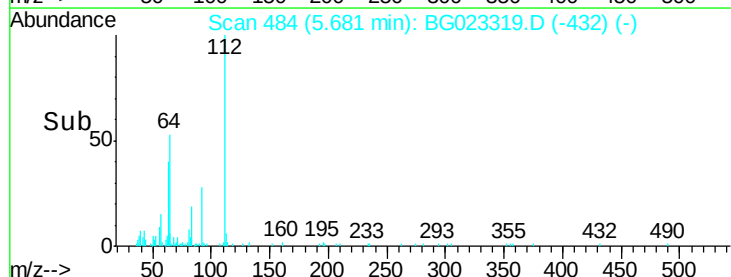
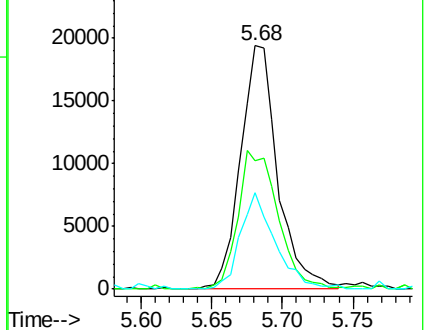
63 39.5 37.8 56.8

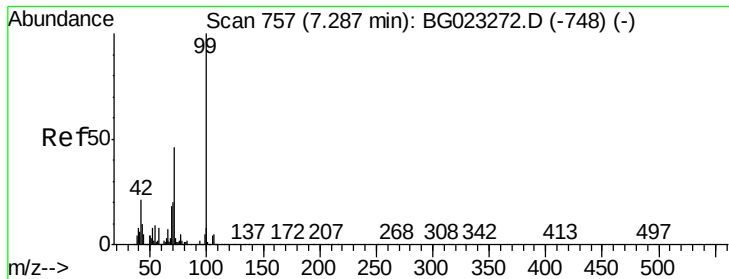


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 7.28 ng

RT: 7.34 min Scan# 766

Delta R.T. 0.05 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

Instrument :

BNA_G

ClientSampleId :

EFF-WWRE

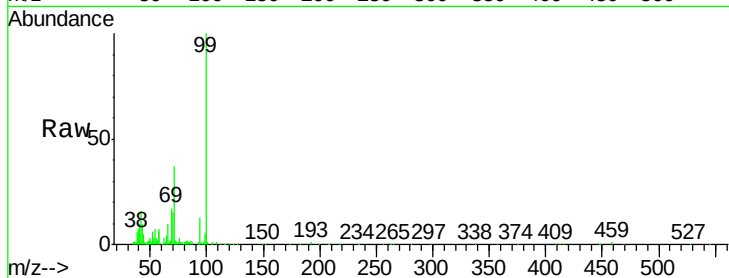
Tgt Ion: 99 Resp: 140076

Ion Ratio Lower Upper

99 100

42 15.6 17.8 26.6#

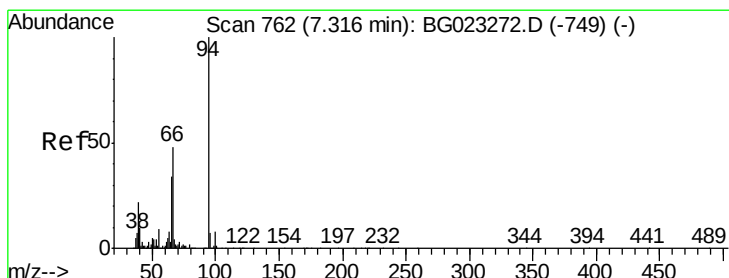
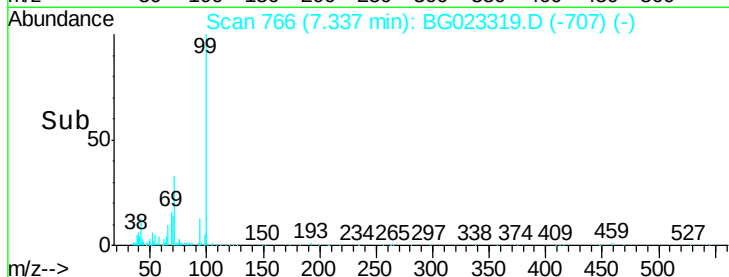
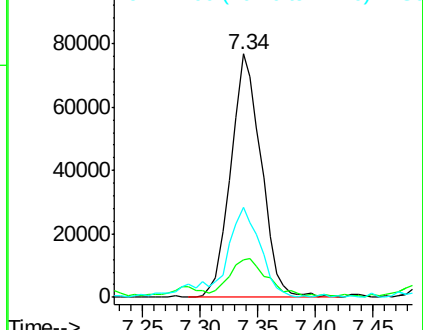
71 36.8 41.5 62.3#



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: 17.36 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.05 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

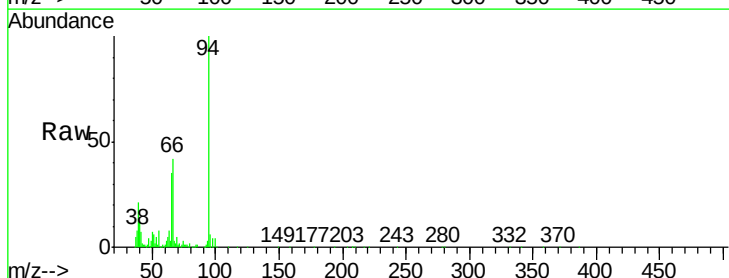
Tgt Ion: 94 Resp: 352617

Ion Ratio Lower Upper

94 100

65 34.5 18.1 58.1

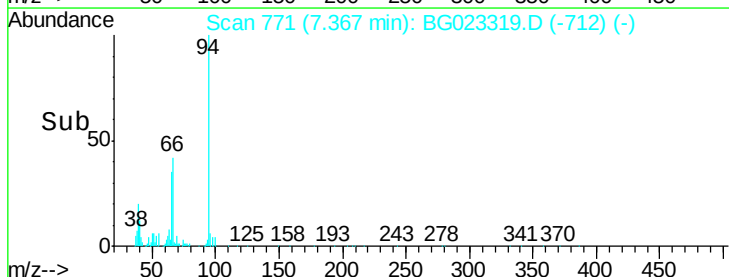
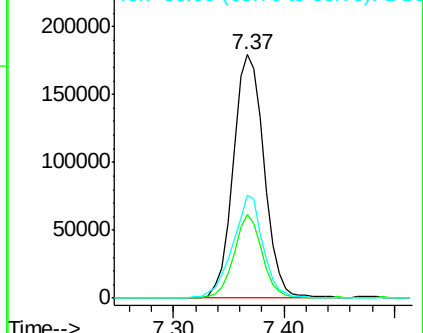
66 42.5 42.1 82.1

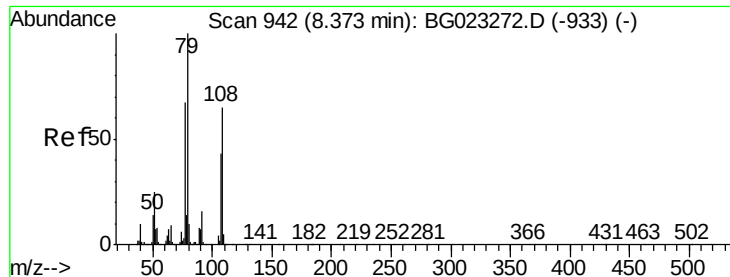


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 170.13 ng

RT: 8.42 min Scan# 950

Delta R.T. 0.04 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

Instrument :

BNA_G

ClientSampleId :

EFF-WWRE

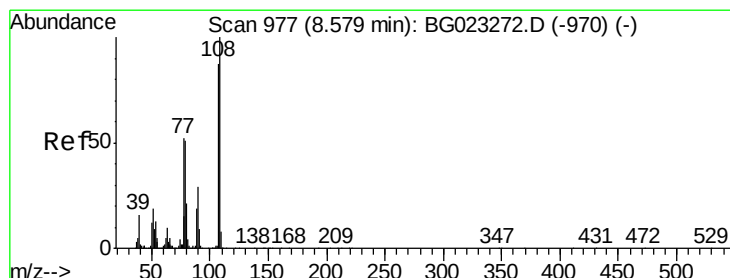
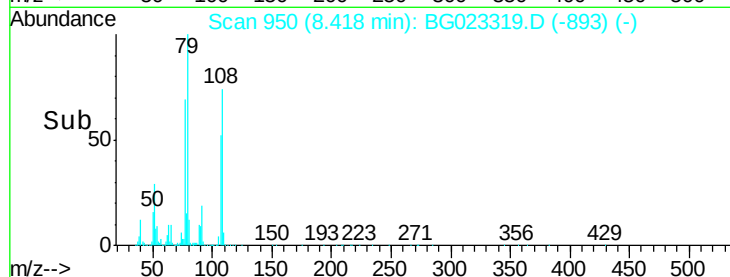
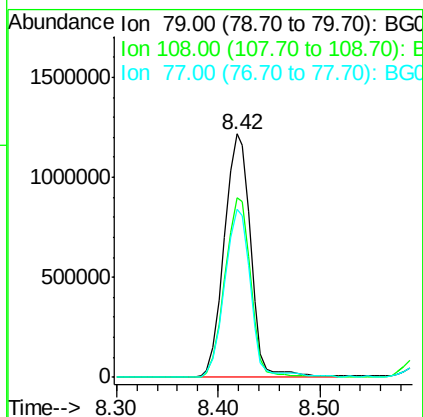
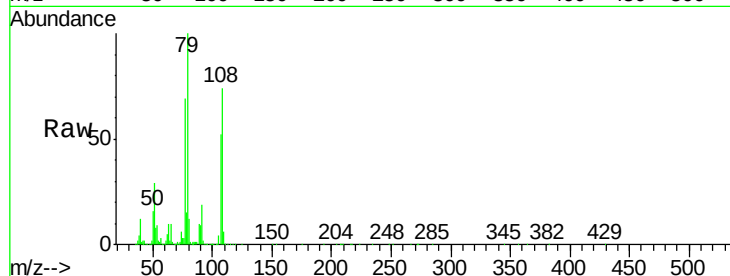
Tgt Ion: 79 Resp: 2203852

Ion Ratio Lower Upper

79 100

108 73.6 46.5 69.7#

77 68.8 52.3 78.5



#17

2-Methylphenol

Concen: 12.38 ng

RT: 8.59 min Scan# 980

Delta R.T. 0.01 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

Tgt Ion: 107 Resp: 171860

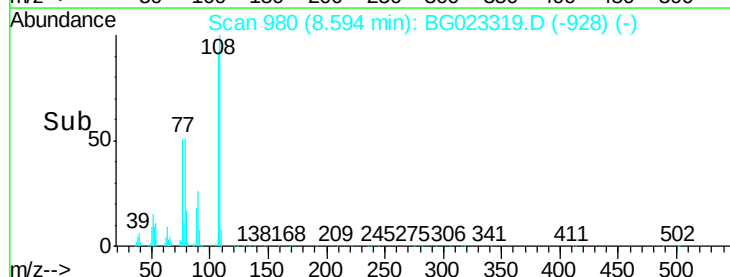
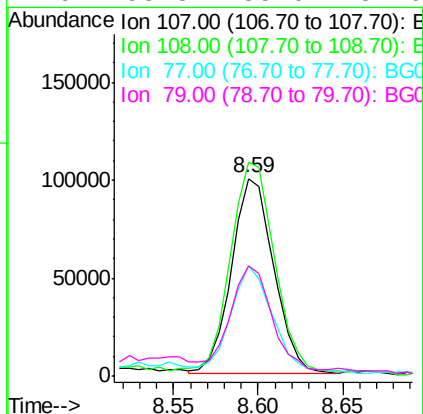
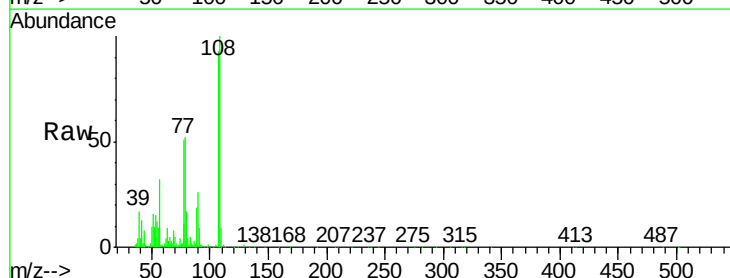
Ion Ratio Lower Upper

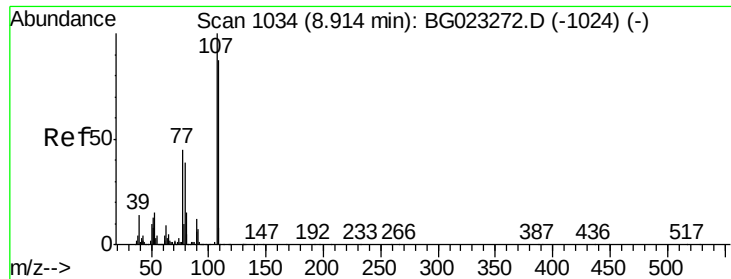
107 100

108 108.0 92.0 138.0

77 55.6 55.8 83.6#

79 55.8 55.0 82.6

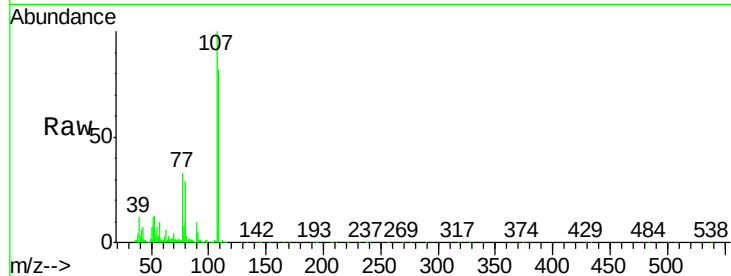




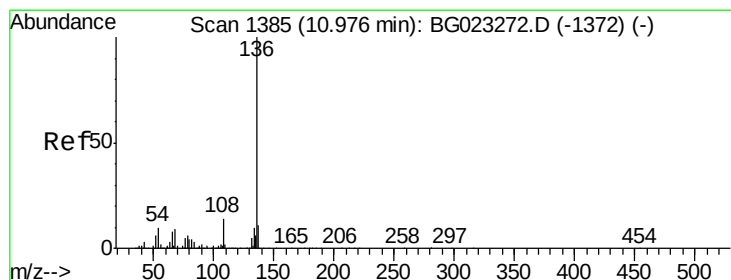
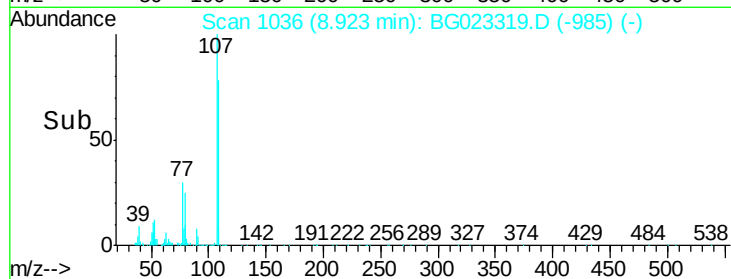
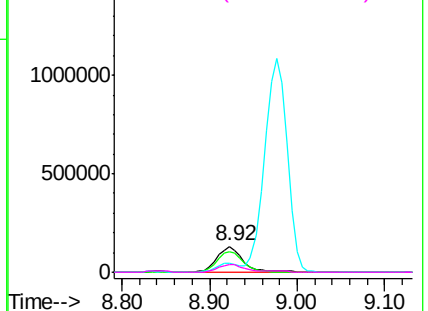
#20
3+4-Methylphenols
Concen: 14.20 ng
RT: 8.92 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG023319.D
Acq: 28 Jul 2016 23:06

Instrument :
BNA_G
ClientSampleId :
EFF-WWRE

Tgt Ion:	107	Resp:	268098
Ion	Ratio	Lower	Upper
107	100		
108	82.0	72.5	112.5
77	32.7	30.1	70.1
79	29.4	24.2	64.2

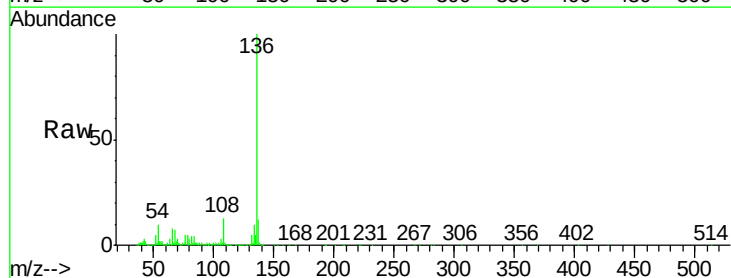


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

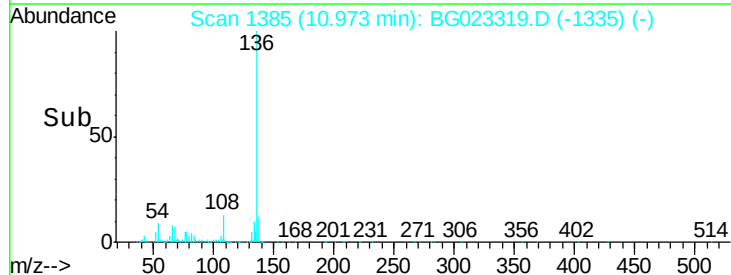
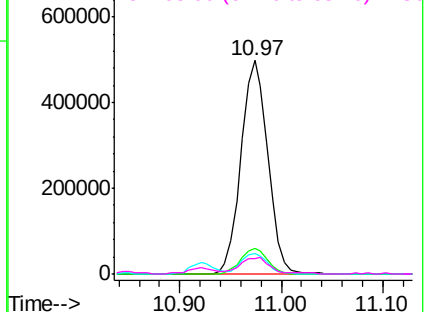


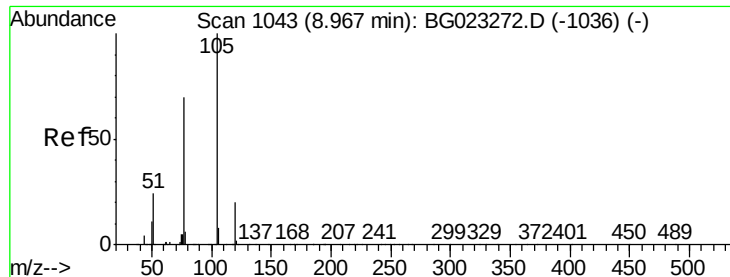
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.97 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BG023319.D
Acq: 28 Jul 2016 23:06

Tgt Ion:	136	Resp:	913735
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.6	14.4
54	9.6	7.3	10.9
68	7.5	5.3	7.9



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





#22

Acetophenone

Concen: 94.01 ng

RT: 8.98 min Scan# 1045

Delta R.T. 0.01 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

Instrument :

BNA_G

ClientSampleId :

EFF-WWRE

Tgt Ion:105 Resp: 2242745

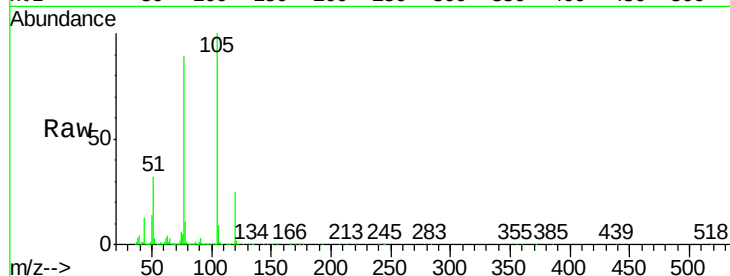
Ion Ratio Lower Upper

105 100

71 0.2 2.6 3.8#

51 32.0 27.1 40.7

120 25.1 15.1 22.7#

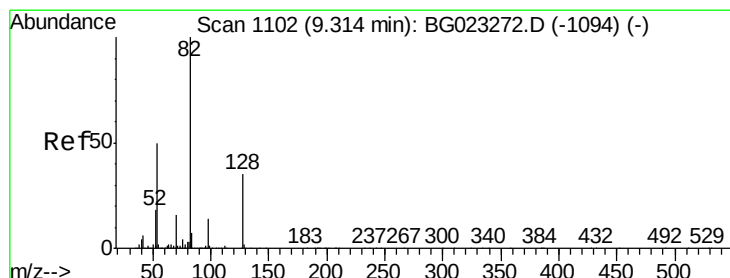
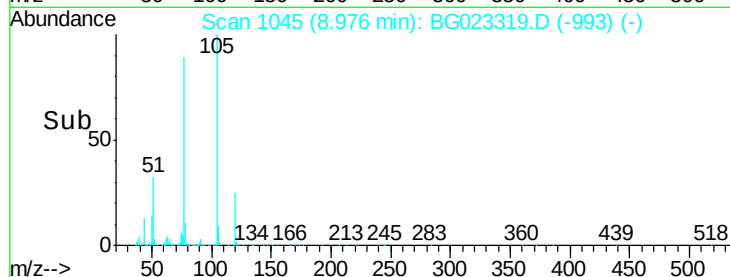
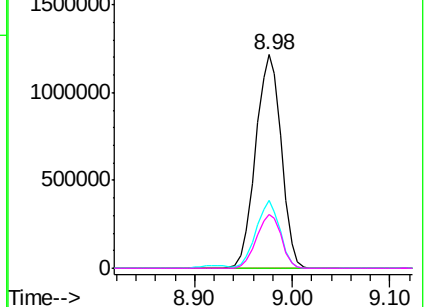


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 66.77 ng

RT: 9.32 min Scan# 1103

Delta R.T. 0.01 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

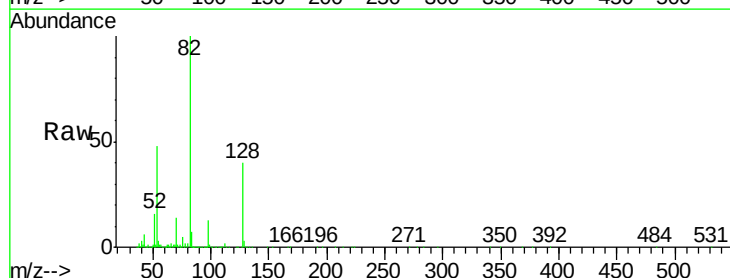
Tgt Ion: 82 Resp: 1247509

Ion Ratio Lower Upper

82 100

128 40.0 24.4 36.6#

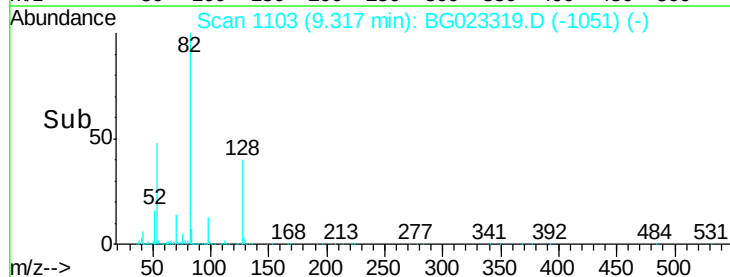
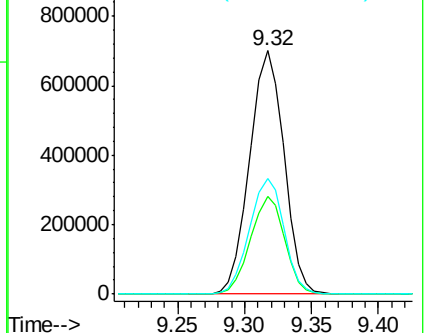
54 47.5 41.4 62.0

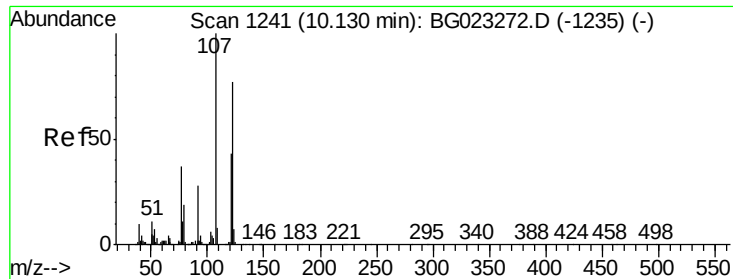


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

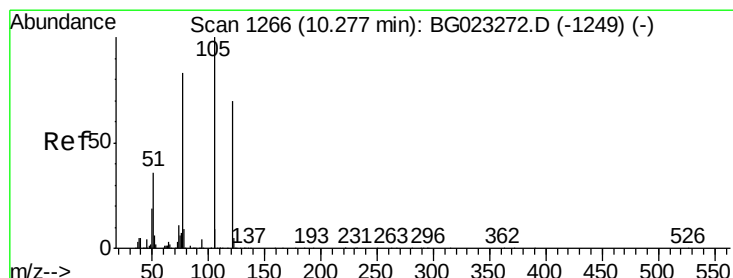
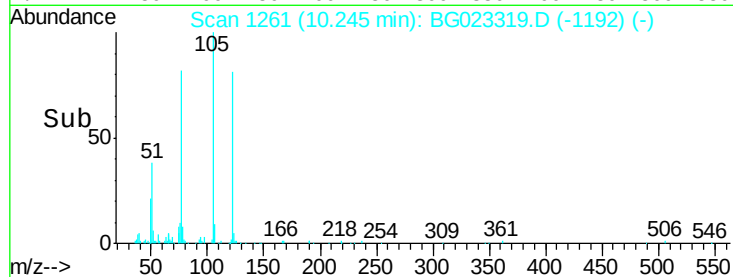
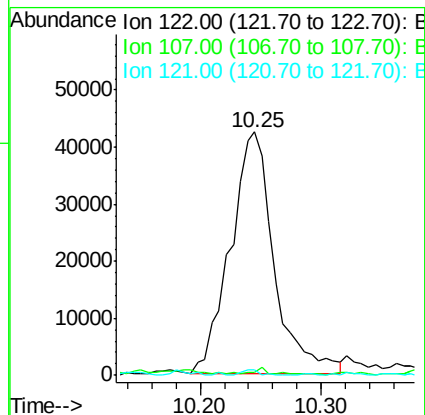
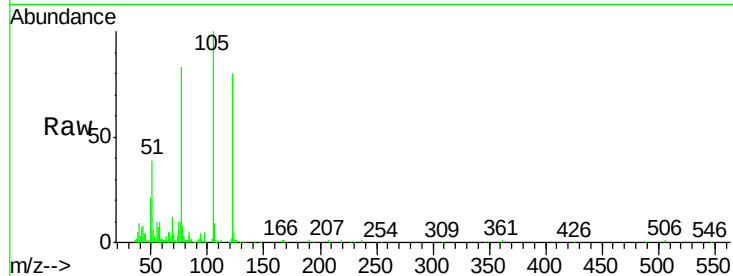




#27
2,4-Dimethylphenol
Concen: 7.74 ng
RT: 10.25 min Scan# 1261
Delta R.T. 0.11 min
Lab File: BG023319.D
Acq: 28 Jul 2016 23:06

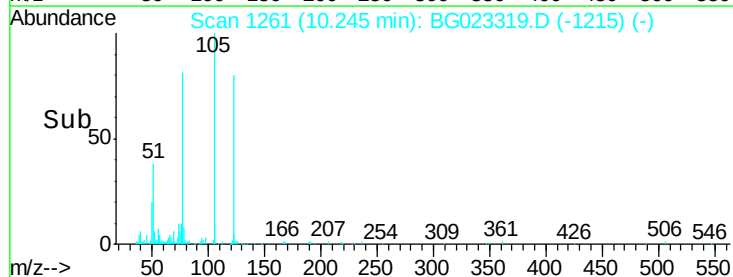
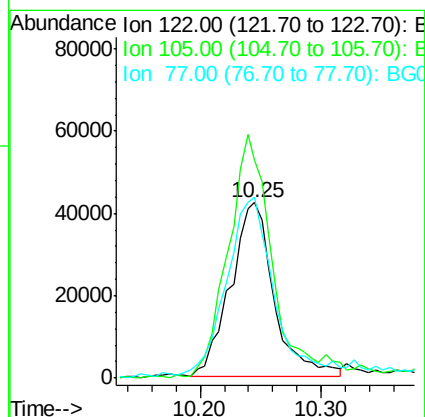
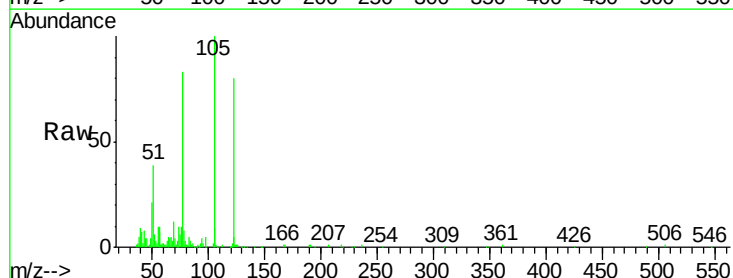
Instrument :
BNA_G
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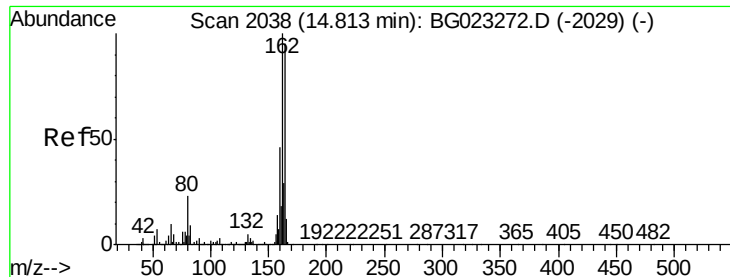
Tgt Ion	Ratio	Lower	Upper
122	100		
107	1.0	117.0	175.4#
121	2.4	50.1	75.1#



#32
Benzoic acid
Concen: 16.01 ng
RT: 10.25 min Scan# 1261
Delta R.T. -0.03 min
Lab File: BG023319.D
Acq: 28 Jul 2016 23:06

Tgt Ion	Ratio	Lower	Upper
122	100		
105	124.5	117.2	157.2
77	102.7	109.2	149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

Instrument :

BNA_G

ClientSampleId :

EFF-WWRE

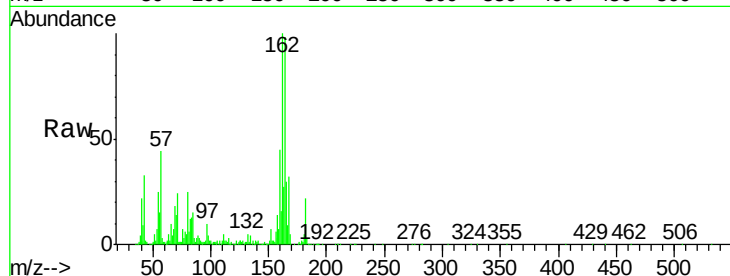
Tgt Ion:164 Resp: 648156

Ion Ratio Lower Upper

164 100

162 101.6 87.7 131.5

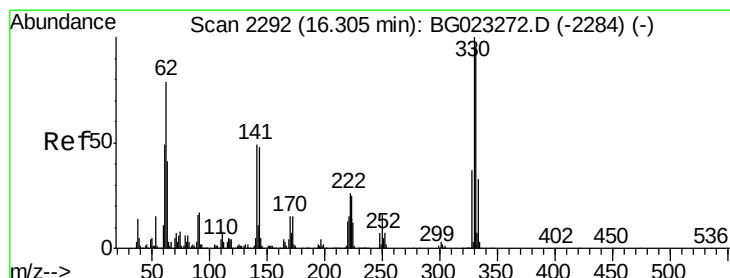
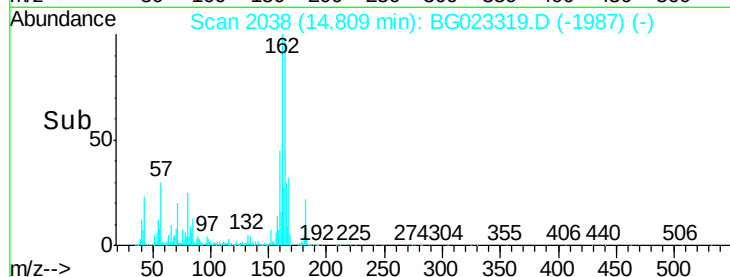
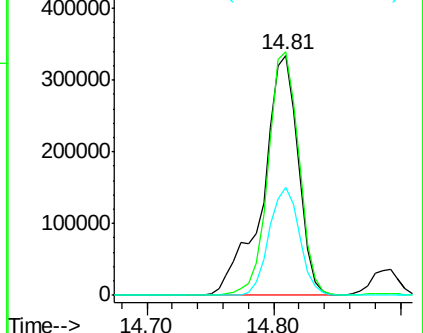
160 45.2 37.2 55.8



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



#41

2,4,6-Tribromophenol

Concen: 2.27 ng

RT: 16.31 min Scan# 2293

Delta R.T. 0.00 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

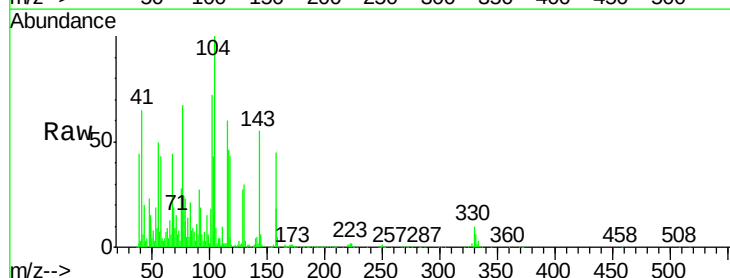
Tgt Ion:330 Resp: 15199

Ion Ratio Lower Upper

330 100

332 88.3 77.4 116.2

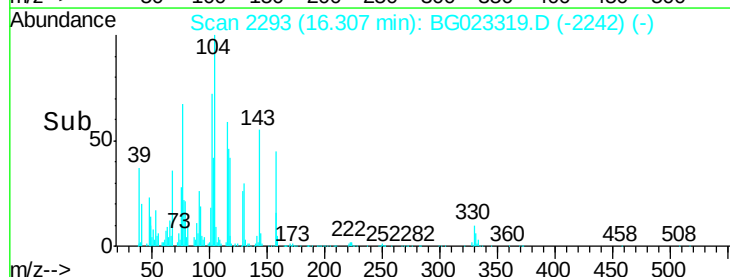
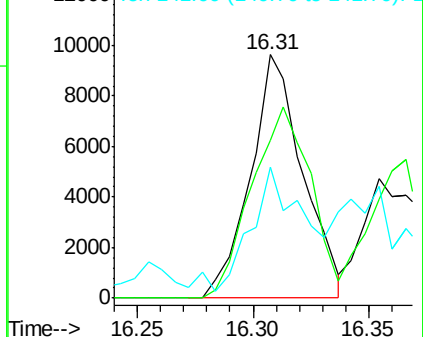
141 49.5 31.7 47.5#

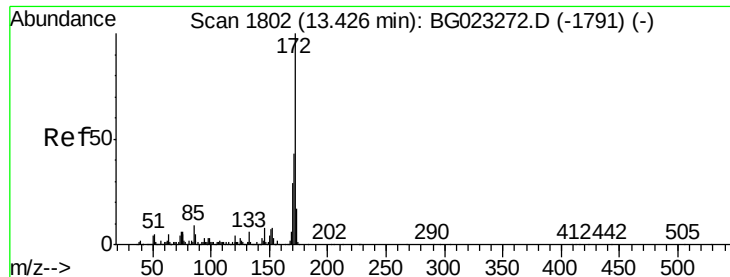


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

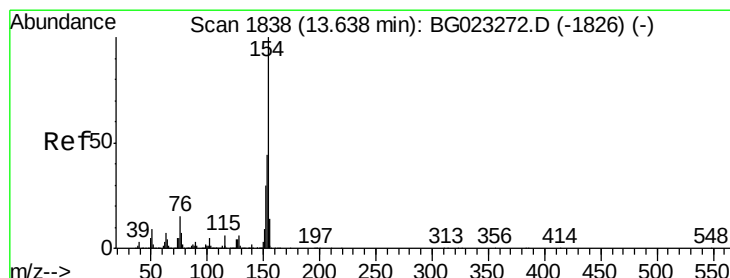
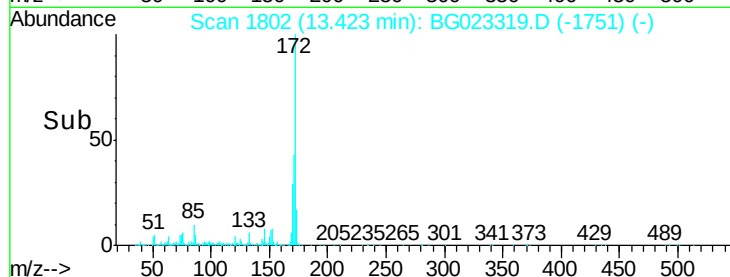
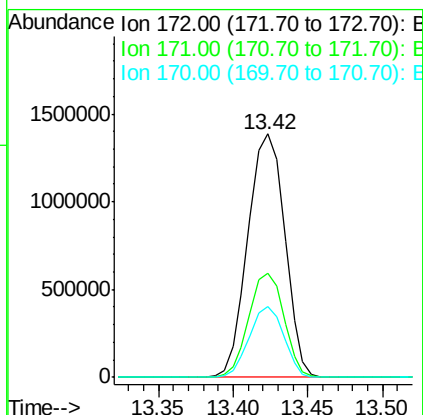
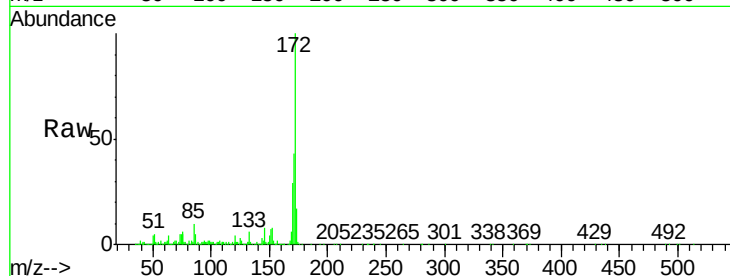




#44
2-Fluorobiphenyl
Concen: 68.60 ng
RT: 13.42 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BG023319.D
Acq: 28 Jul 2016 23:06

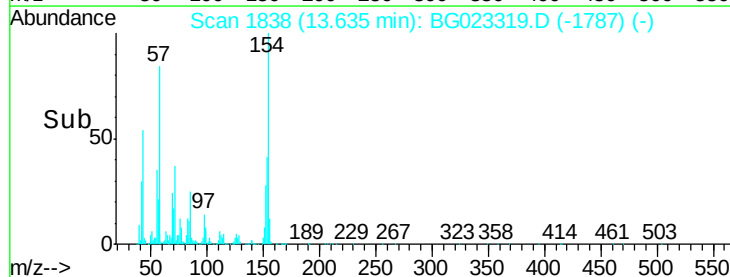
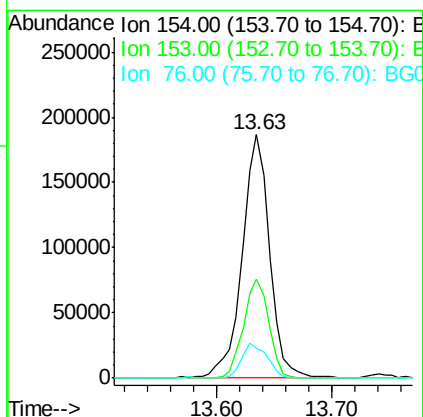
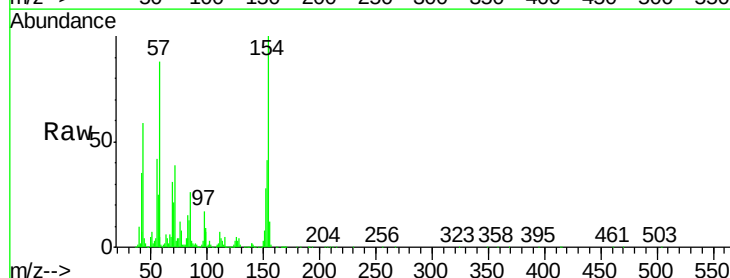
Instrument :
BNA_G
ClientSampleId :
EFF-WWRE

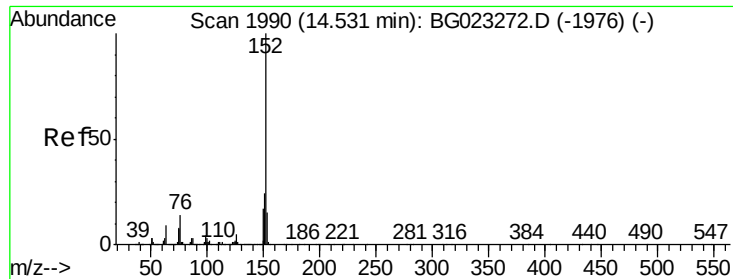
Tgt Ion:172 Resp: 2375777
Ion Ratio Lower Upper
172 100
171 42.8 31.6 47.4
170 28.8 21.3 31.9



#45
1,1'-Biphenyl
Concen: 6.76 ng
RT: 13.63 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BG023319.D
Acq: 28 Jul 2016 23:06

Tgt Ion:154 Resp: 305471
Ion Ratio Lower Upper
154 100
153 40.7 20.2 60.2
76 12.2 0.0 32.9





#48

Acenaphthylene

Concen: 13.30 ng

RT: 14.77 min Scan# 2032

Delta R.T. 0.24 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

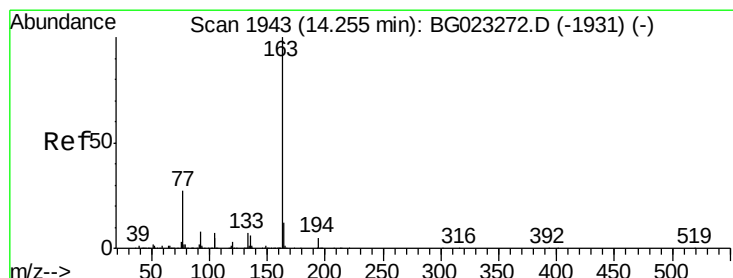
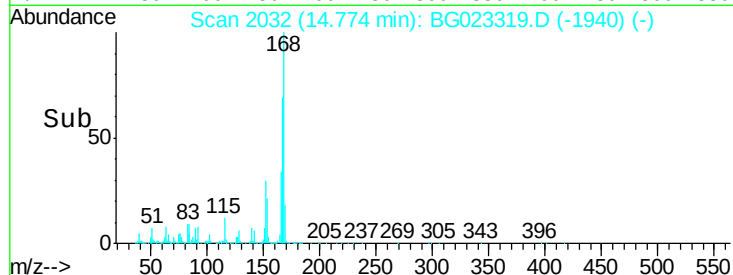
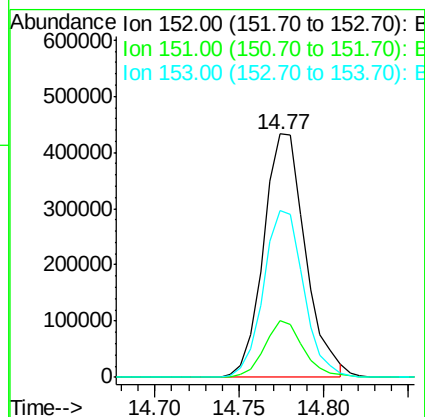
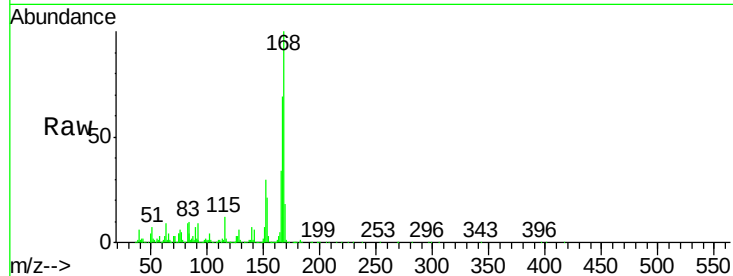
Instrument :

BNA_G

ClientSampleId :

EFF-WWRE

Tgt Ion:	152	Resp:	737634
Ion	Ratio	Lower	Upper
152	100		
151	23.1	17.6	26.4
153	68.4	11.4	17.2#



#49

Dimethylphthalate

Concen: 9.02 ng

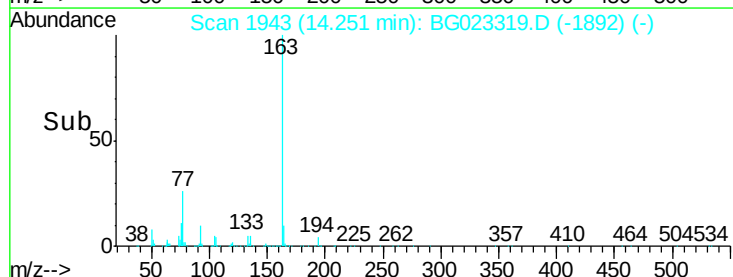
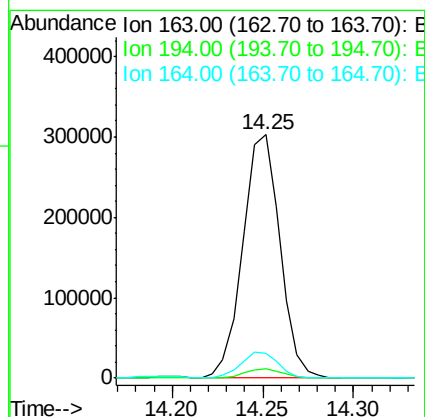
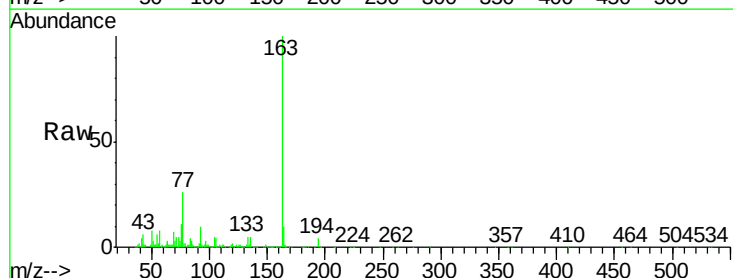
RT: 14.25 min Scan# 1943

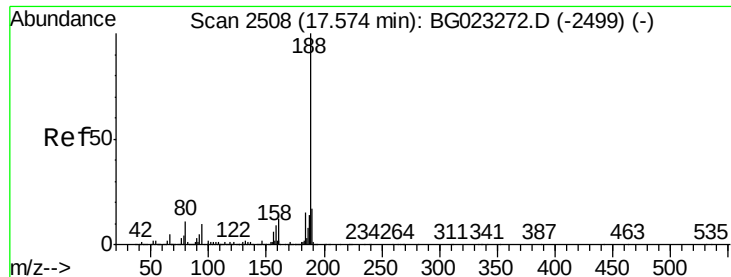
Delta R.T. 0.00 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

Tgt Ion:	163	Resp:	431255
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.6	5.4
164	9.9	8.1	12.1

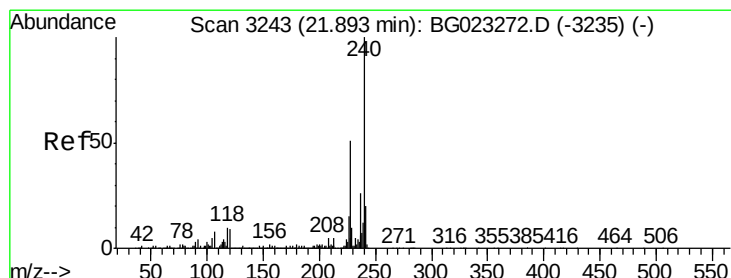
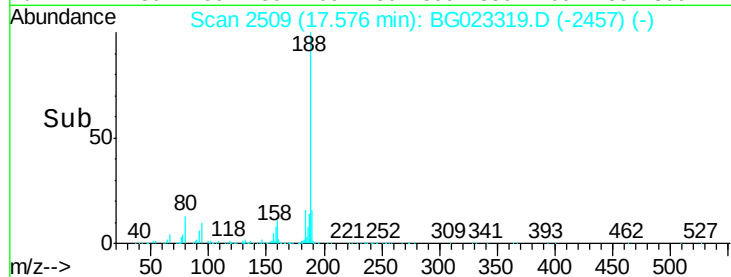
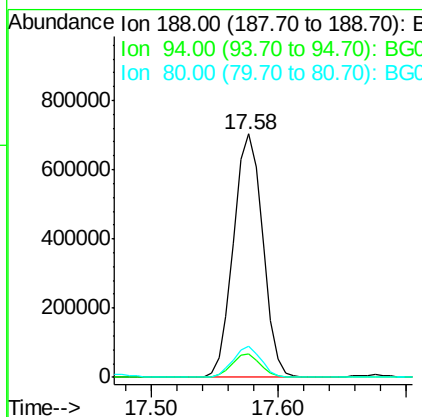
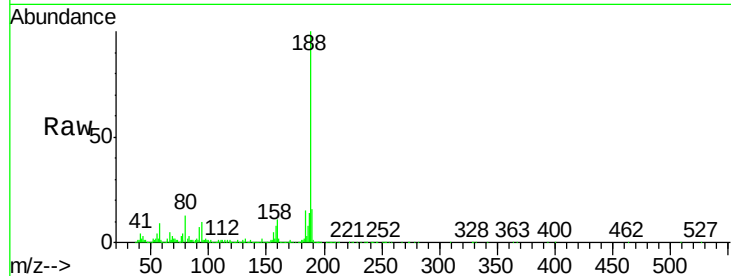




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.58 min Scan# 2509
Delta R.T. 0.01 min
Lab File: BG023319.D
Acq: 28 Jul 2016 23:06

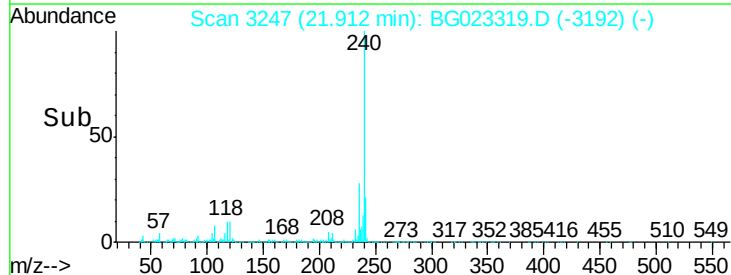
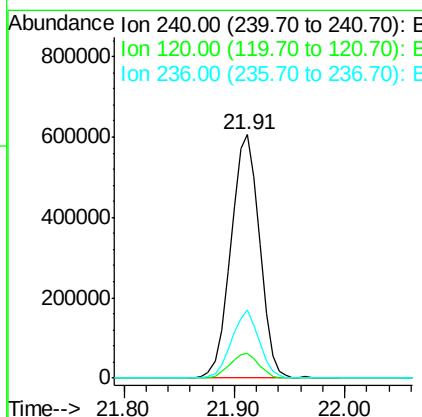
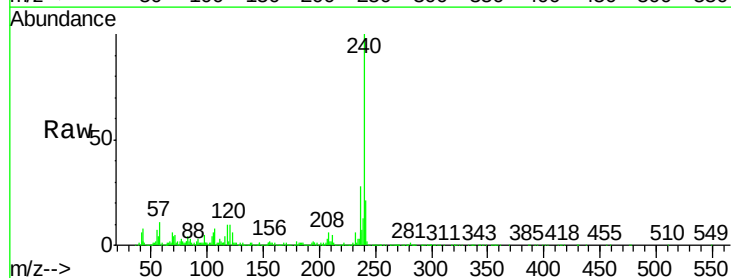
Instrument :
BNA_G
ClientSampleId :
EFF-WWRE

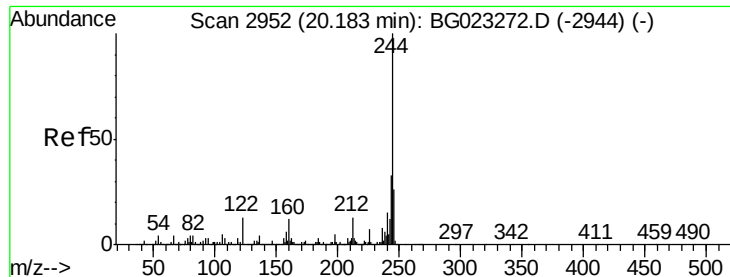
Tgt Ion:188 Resp: 1123653
Ion Ratio Lower Upper
188 100
94 9.9 5.2 7.8#
80 12.8 7.2 10.8#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.91 min Scan# 3247
Delta R.T. 0.02 min
Lab File: BG023319.D
Acq: 28 Jul 2016 23:06

Tgt Ion:240 Resp: 1104096
Ion Ratio Lower Upper
240 100
120 9.9 4.1 6.1#
236 27.9 21.1 31.7





#78

Terphenyl-d14

Concen: 66.23 ng

RT: 20.20 min Scan# 2955

Delta R.T. 0.02 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

Instrument :

BNA_G

ClientSampleId :

EFF-WWRE

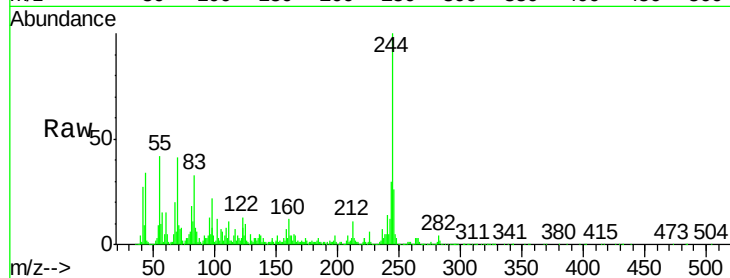
Tgt Ion:244 Resp: 2249571

Ion Ratio Lower Upper

244 100

212 11.4 10.8 16.2

122 12.9 8.0 12.0#



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

2000000

1500000

1000000

500000

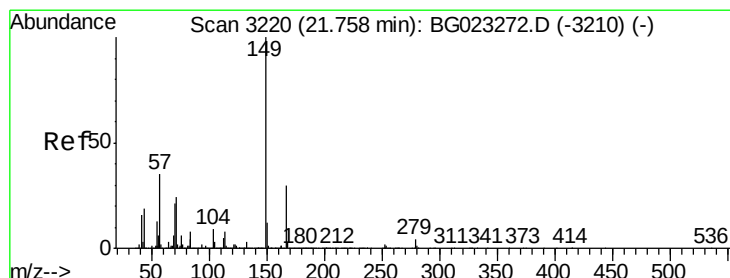
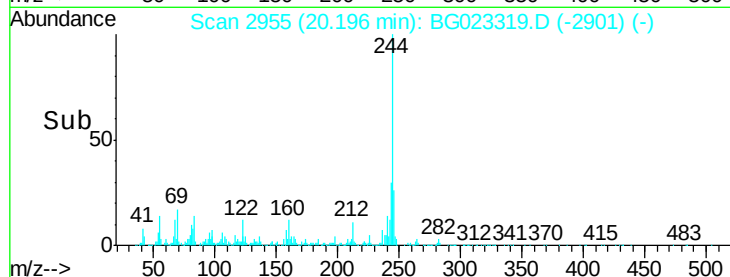
0

20.10

20.20

20.30

Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.38 ng

RT: 21.75 min Scan# 3220

Delta R.T. -0.00 min

Lab File: BG023319.D

Acq: 28 Jul 2016 23:06

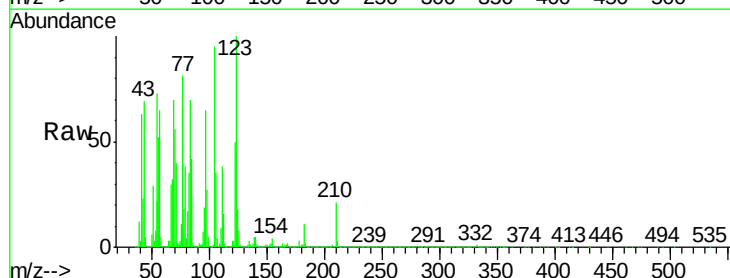
Tgt Ion:149 Resp: 91836

Ion Ratio Lower Upper

149 100

167 115.3 24.0 36.0#

279 3.4 4.8 7.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

40000

30000

20000

10000

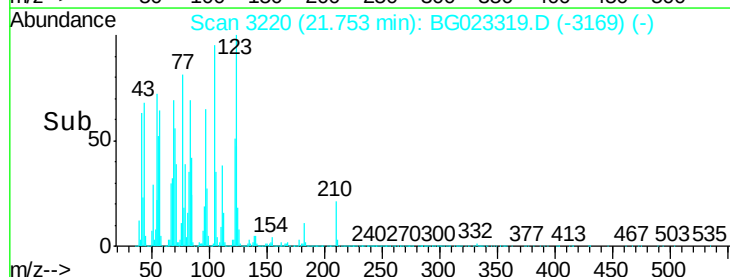
0

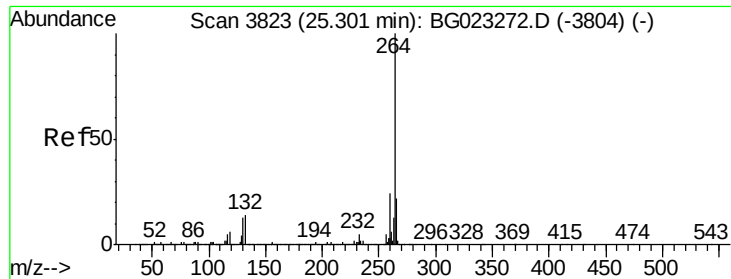
21.70

21.75

21.80

Time-->





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.30 min Scan# 3824
Delta R.T. -0.00 min
Lab File: BG023319.D
Acq: 28 Jul 2016 23:06

Instrument :
BNA_G
ClientSampleId :
EFF-WWRE

Tgt Ion: 264 Resp: 1152951

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	22.7	18.9	28.3

