

Data Path : U:\HPCHEM1\BNA G\DATA\BG012918\
 Data File : BG032427.D
 Acq On : 29 Jan 2018 23:05
 Operator : SJ/JU
 Sample : J1305-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 30 03:29:53 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

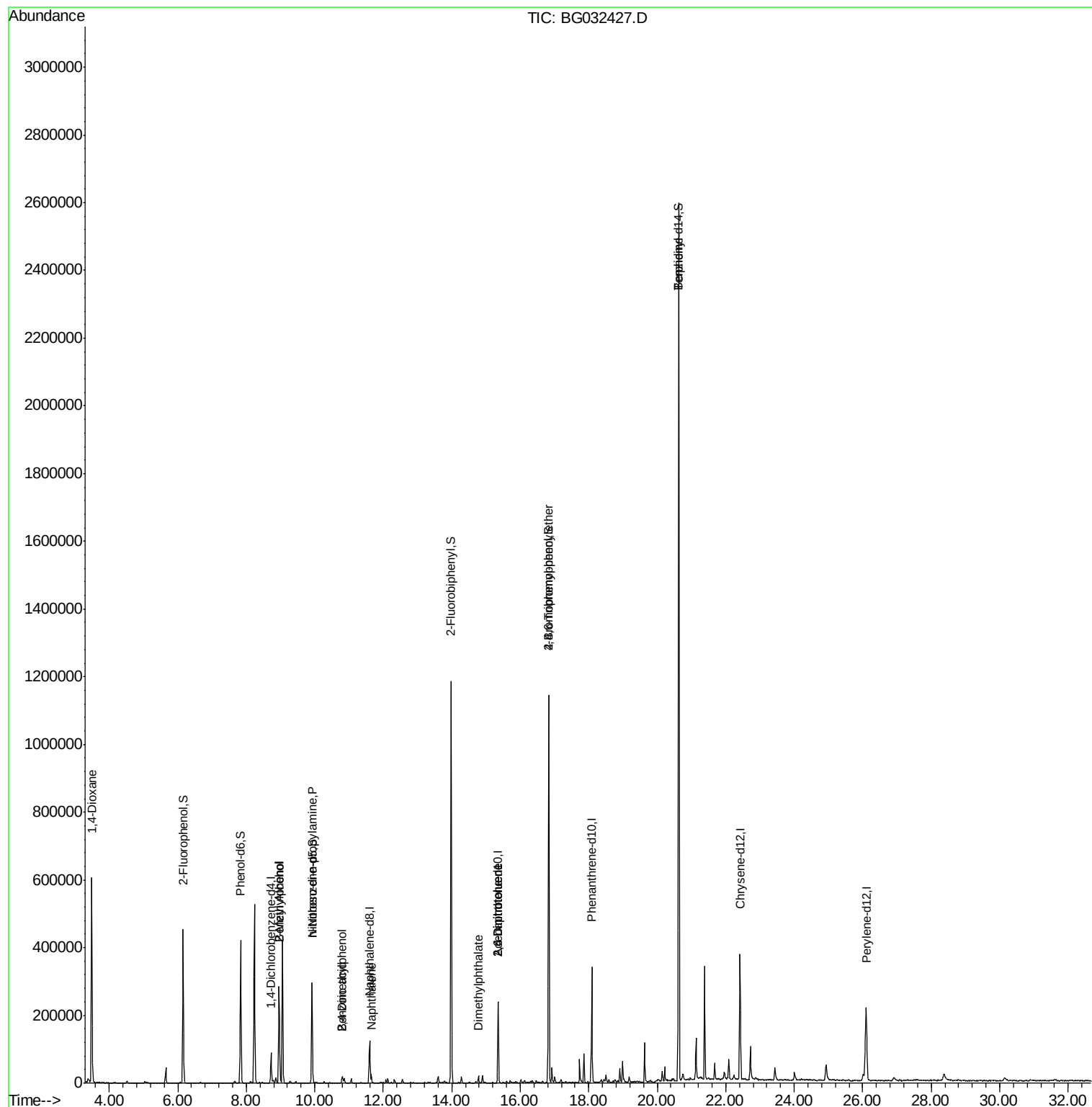
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	30075	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	119415	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	87296	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	231789	20.00	ng	0.00
75) Chrysene-d12	22.42	240	277761	20.00	ng	0.00
86) Perylene-d12	26.10	264	303091	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	215302	143.79	ng	0.00
7) Phenol-d6	7.84	99	251743	125.99	ng	0.00
23) Nitrobenzene-d5	9.92	82	184203	96.35	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	267052	160.71	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	690556	94.02	ng	0.00
78) Terphenyl-d14	20.63	244	1381152	106.51	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.49	88	6651	13.202	ng	Qvalue # 1
15) Benzyl Alcohol	8.96	79	105911	64.316	ng	93
17) 2-Methylphenol	8.96	107	55987	36.329	ng	# 14
19) n-Nitroso-di-n-propylamine	9.92	70	27167	20.506	ng	# 77
27) 2,4-Dimethylphenol	10.80	122	10797	6.731	ng	# 1
31) Naphthalene	11.65	128	21820	3.741	ng	# 96
32) Benzoic acid	10.80	122	10797	14.937	ng	# 81
49) Dimethylphthalate	14.78	163	16748	2.081	ng	99
50) 2,6-Dinitrotoluene	15.35	165	11542	6.832	ng	# 23
56) 2,4-Dinitrotoluene	15.35	165	11542	4.798	ng	# 20
66) 4-Bromophenyl-phenylether	16.83	248	21964	6.396	ng	# 1
76) Benzidine	20.63	184	20934	3.838	ng	# 92

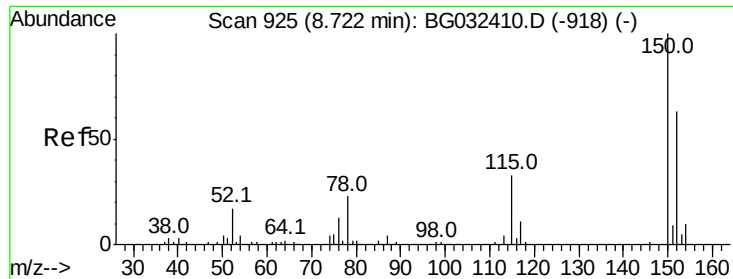
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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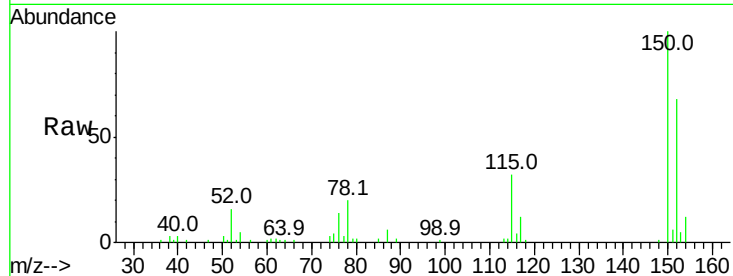


#1

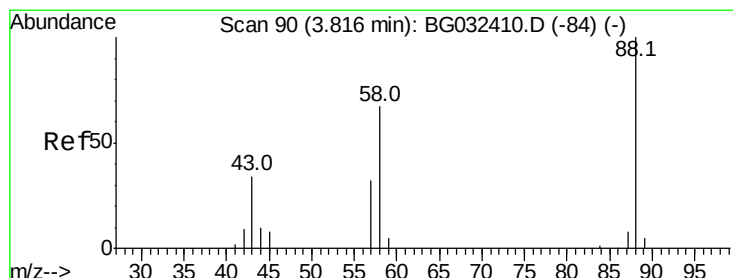
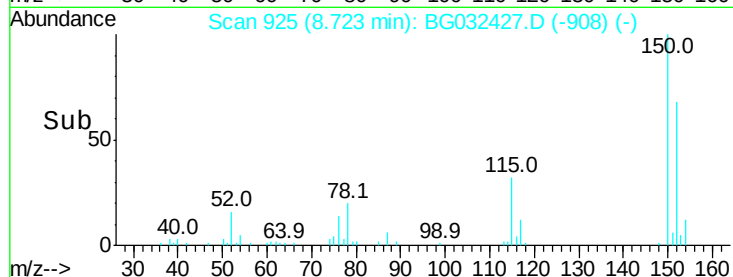
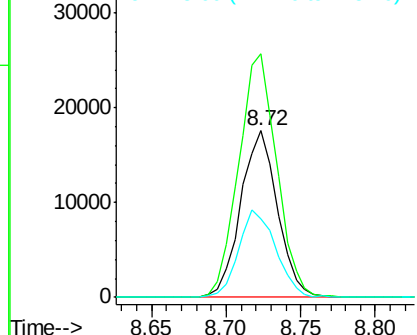
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG032427.D
Acq: 29 Jan 2018 23:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30075
Ion Ratio Lower Upper
152 100
150 146.4 126.6 189.8
115 47.5 53.0 79.4#



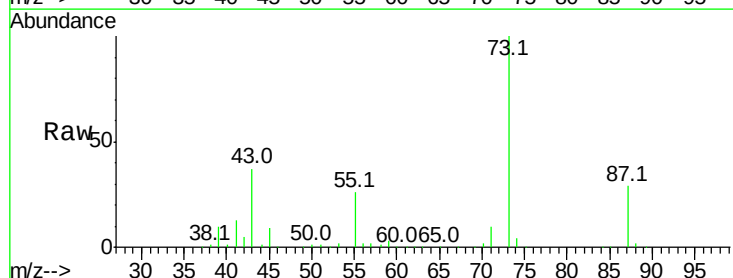
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



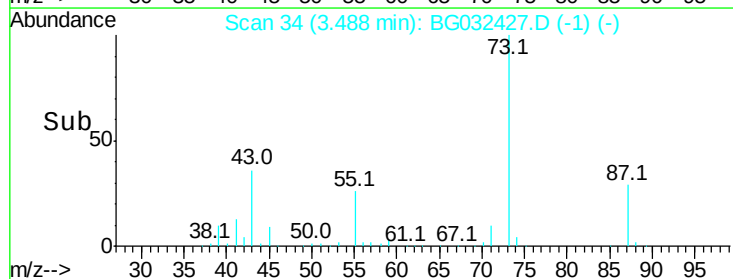
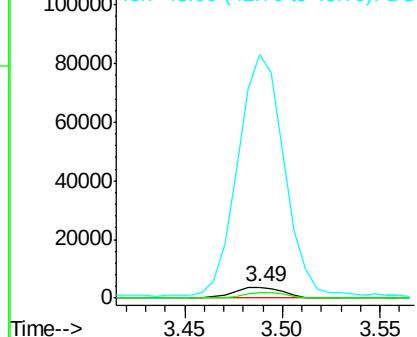
#2

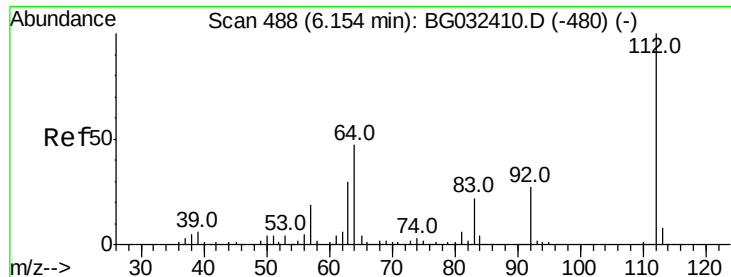
1,4-Dioxane
Concen: 13.202 ng
RT: 3.49 min Scan# 34
Delta R.T. -0.33 min
Lab File: BG032427.D
Acq: 29 Jan 2018 23:05

Tgt Ion: 88 Resp: 6651
Ion Ratio Lower Upper
88 100
58 41.3 79.6 119.4#
43 2070.2 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 143.789 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032427.D

Acq: 29 Jan 2018 23:05

Instrument :

BNA_G

ClientSampleId :

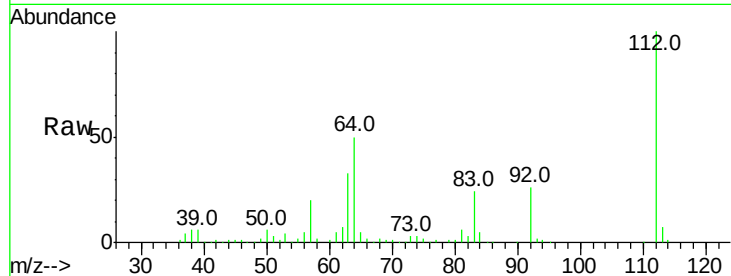
Tot Ion:112 Resp: 215302

Ion Ratio Lower Upper

112 100

64 50.4 56.3 84.5#

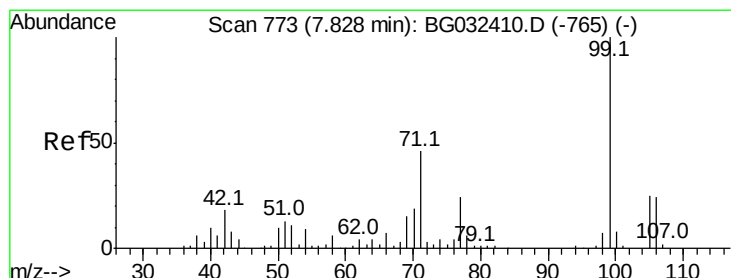
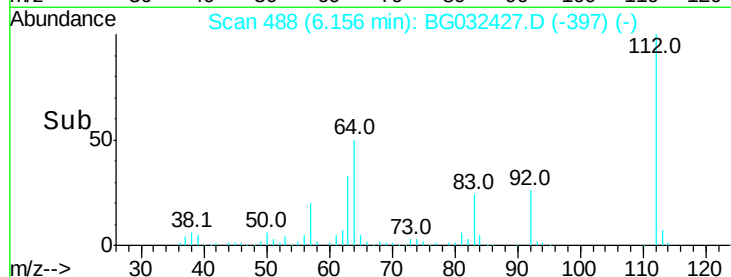
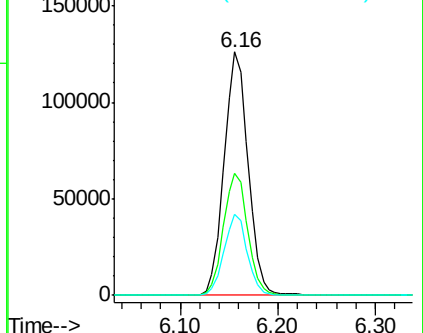
63 33.1 30.1 45.1



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



#7

Phenol-d6

Concen: 125.992 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032427.D

Acq: 29 Jan 2018 23:05

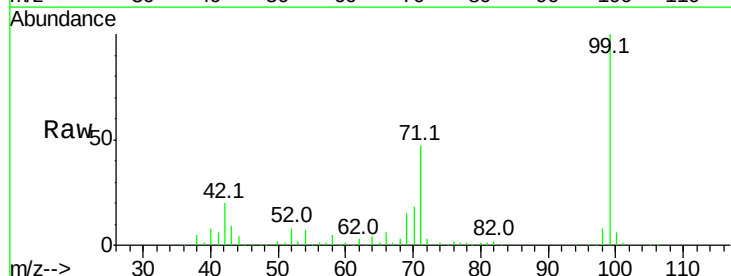
Tgt Ion: 99 Resp: 251743

Ion Ratio Lower Upper

99 100

42 19.6 14.1 21.1

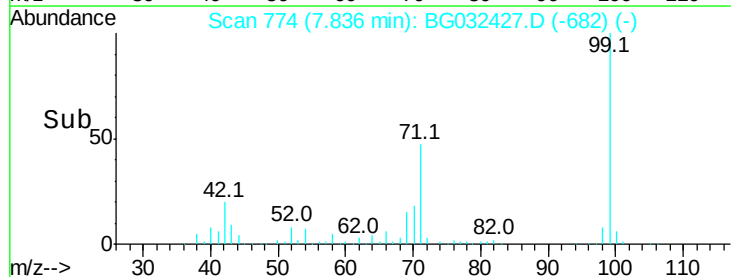
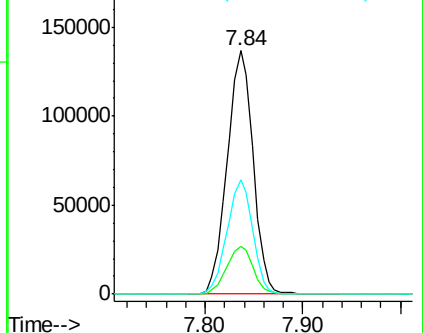
71 46.8 26.1 39.1#

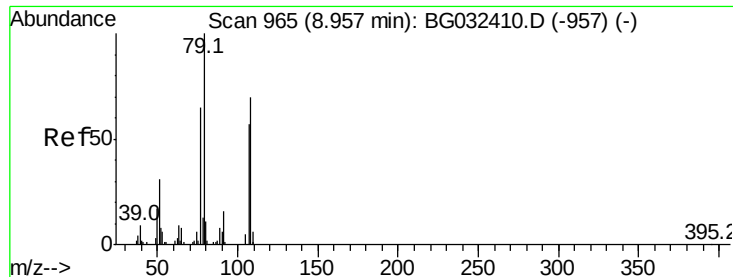


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 64.316 ng

RT: 8.96 min Scan# 965

Delta R.T. 0.00 min

Lab File: BG032427.D

Acq: 29 Jan 2018 23:05

Instrument :

BNA_G

ClientSampleId :

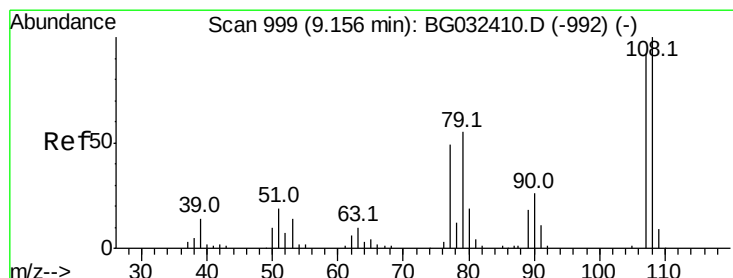
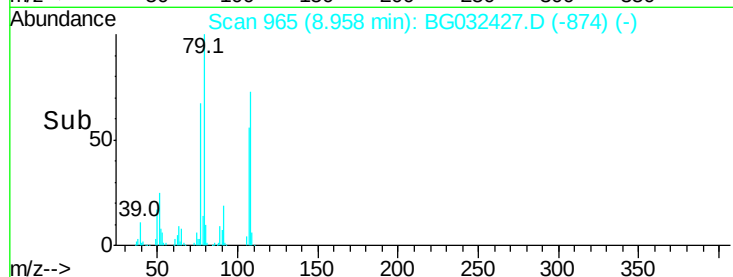
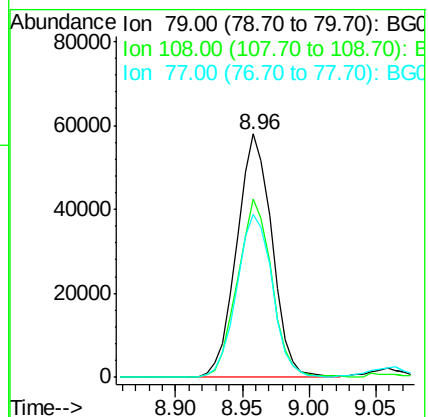
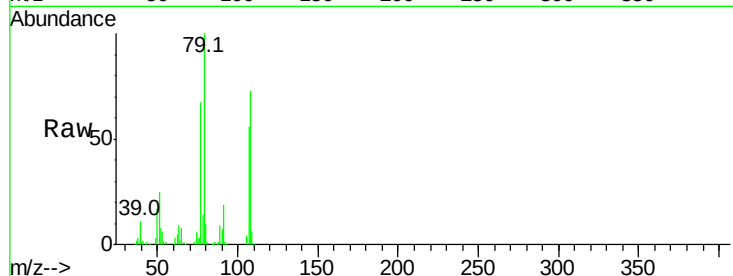
Tot Ion: 79 Resp: 105911

Ion Ratio Lower Upper

79 100

108 73.2 57.2 85.8

77 66.9 46.1 69.1



#17

2-Methylphenol

Concen: 36.329 ng

RT: 8.96 min Scan# 965

Delta R.T. -0.20 min

Lab File: BG032427.D

Acq: 29 Jan 2018 23:05

Tgt Ion: 107 Resp: 55987

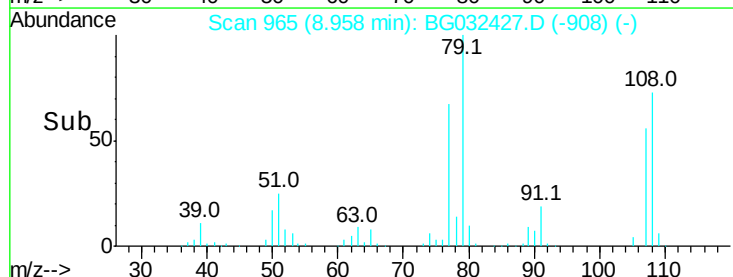
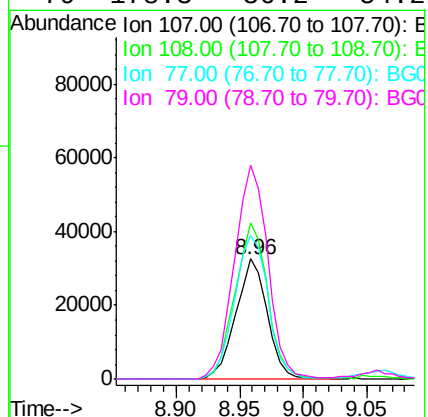
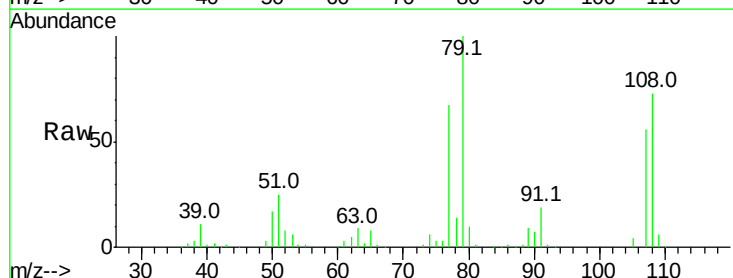
Ion Ratio Lower Upper

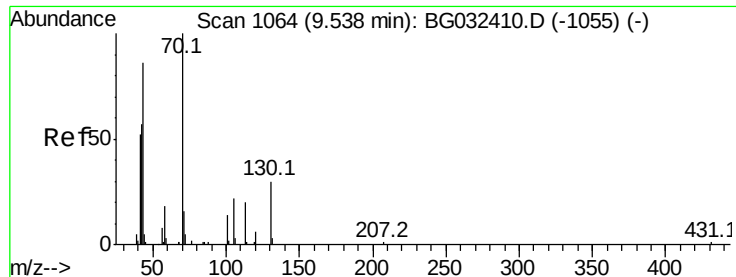
107 100

108 130.6 83.9 125.9#

77 119.3 37.2 55.8#

79 178.3 36.2 54.2#

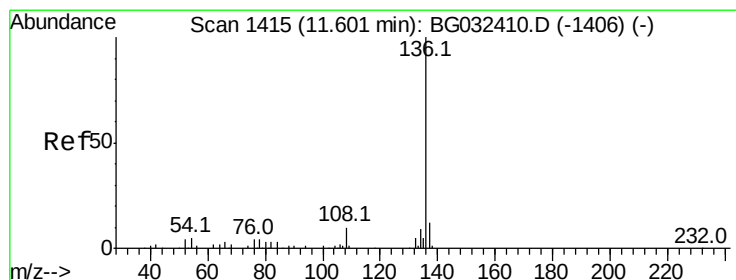
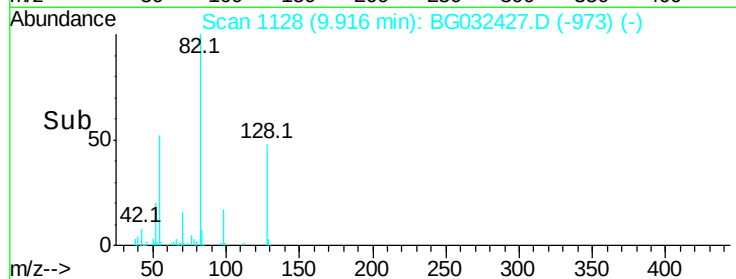
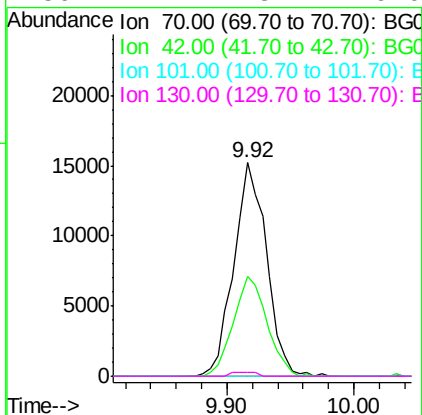
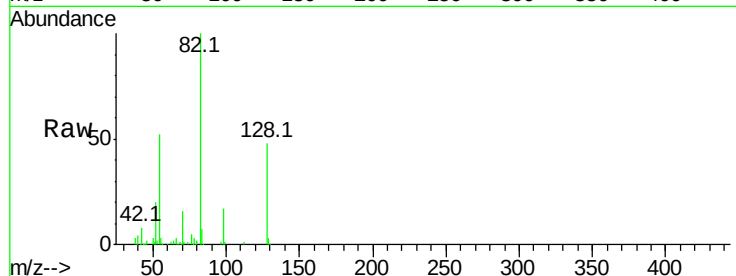




#19
n-Nitroso-di-n-propylamine
Concen: 20.506 ng
RT: 9.92 min Scan# 1128
Delta R.T. 0.38 min
Lab File: BG032427.D
Acq: 29 Jan 2018 23:05

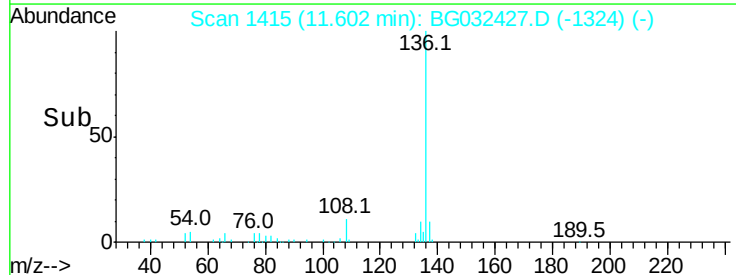
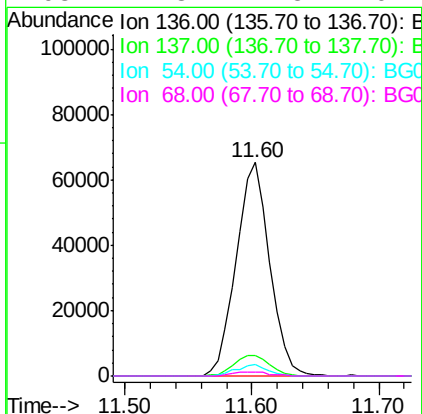
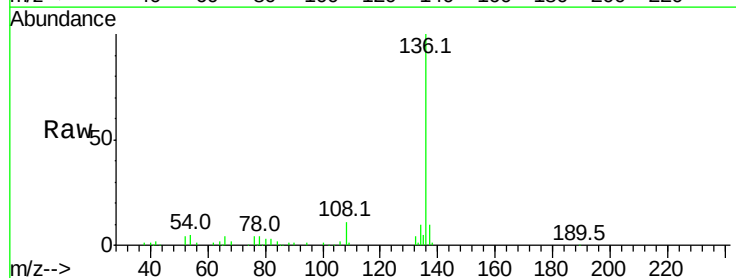
Instrument :
BNA_G
ClientSampleId :

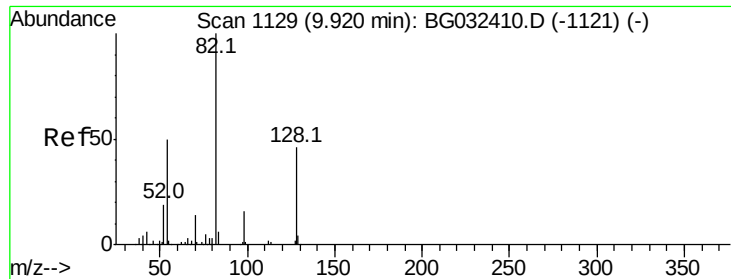
Tot Ion: 70 Resp: 27167
Ion Ratio Lower Upper
70 100
42 46.6 49.1 73.7#
101 0.0 8.5 12.7#
130 1.7 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BG032427.D
Acq: 29 Jan 2018 23:05

Tgt Ion: 136 Resp: 119415
Ion Ratio Lower Upper
136 100
137 9.8 9.2 13.8
54 5.4 10.3 15.5#
68 1.8 4.5 6.7#

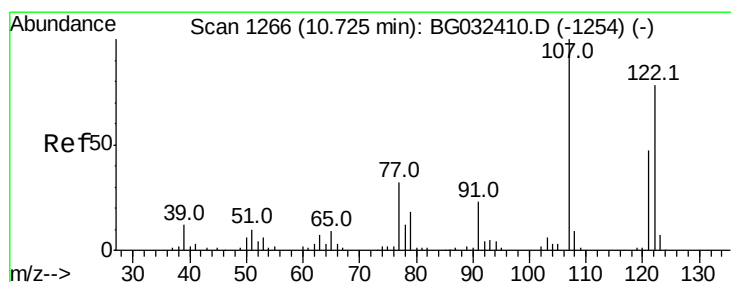
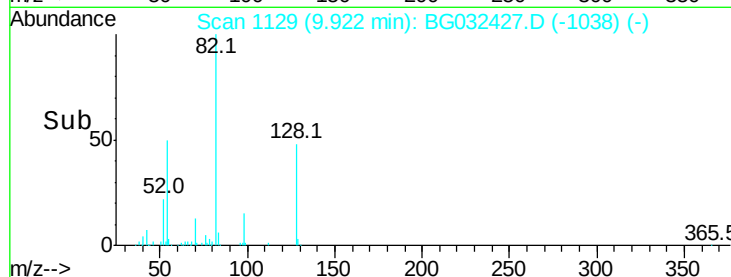
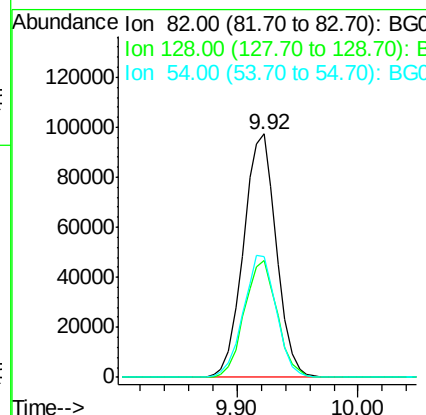
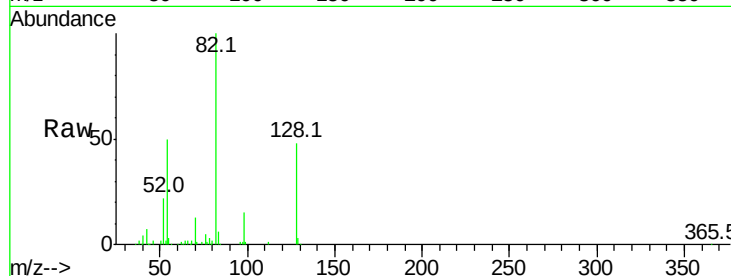




#23
Nitrobenzene-d5
Concen: 96.348 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BG032427.D
Acq: 29 Jan 2018 23:05

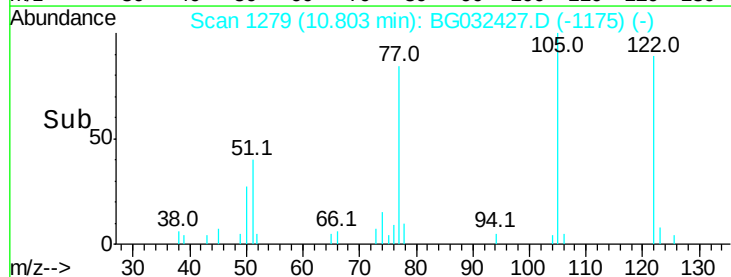
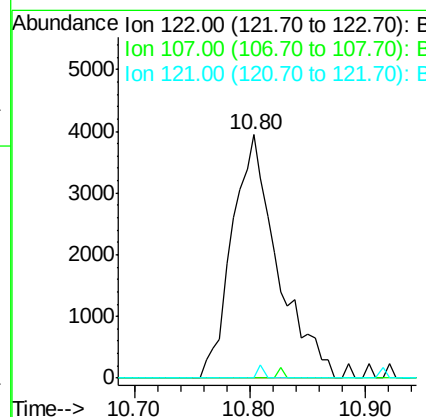
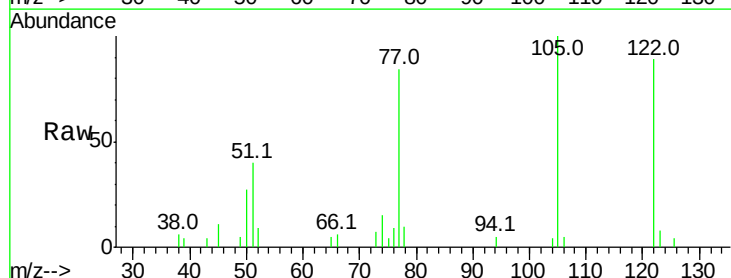
Instrument :
BNA_G
ClientSampleId :

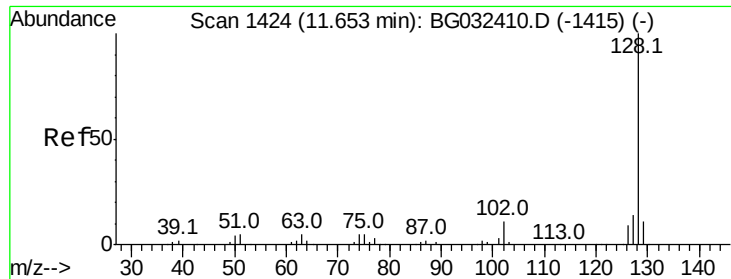
Tot Ion: 82 Resp: 184203
Ion Ratio Lower Upper
82 100
128 48.0 29.7 44.5#
54 49.8 43.1 64.7



#27
2,4-Dimethylphenol
Concen: 6.731 ng
RT: 10.80 min Scan# 1279
Delta R.T. 0.08 min
Lab File: BG032427.D
Acq: 29 Jan 2018 23:05

Tgt Ion:122 Resp: 10797
Ion Ratio Lower Upper
122 100
107 0.0 100.2 150.2#
121 0.0 44.4 66.6#

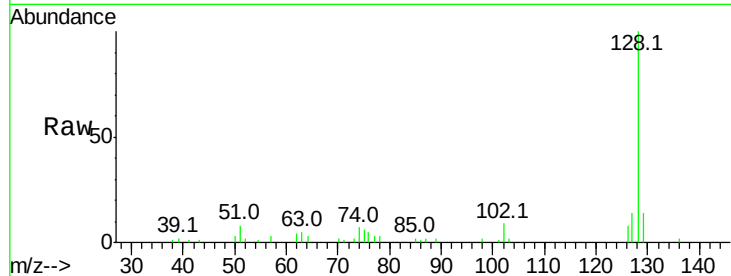




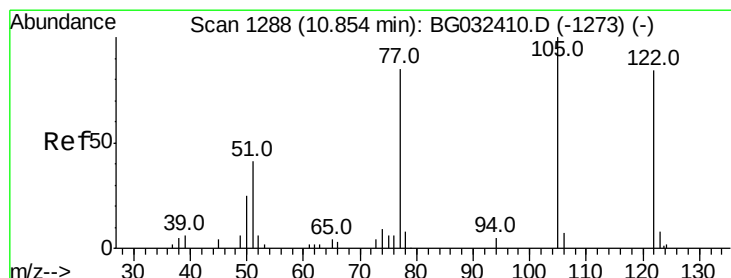
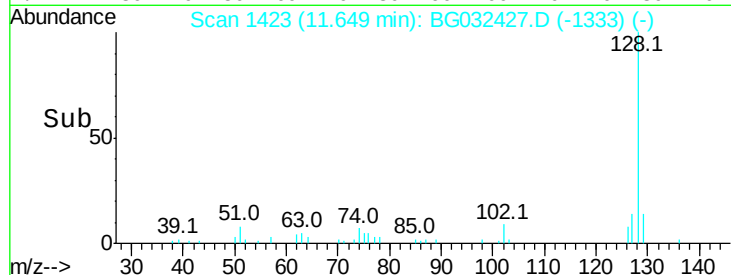
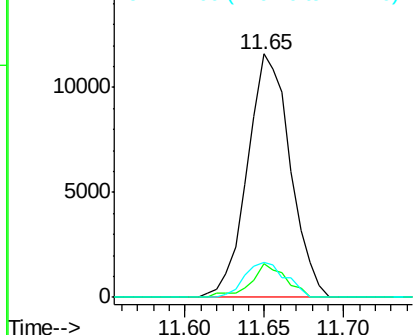
#31
Naphthalene
Concen: 3.741 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.00 min
Lab File: BG032427.D
Acq: 29 Jan 2018 23:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 21820
Ion Ratio Lower Upper
128 100
129 13.8 8.6 12.8#
127 14.2 11.6 17.4

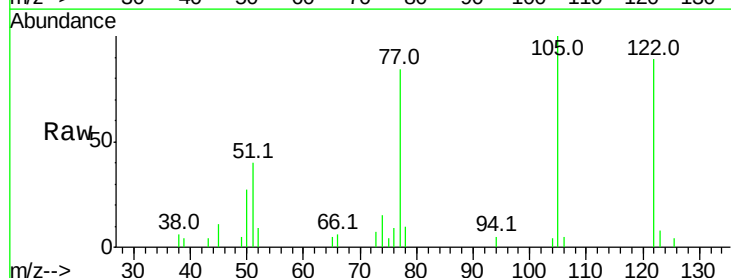


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

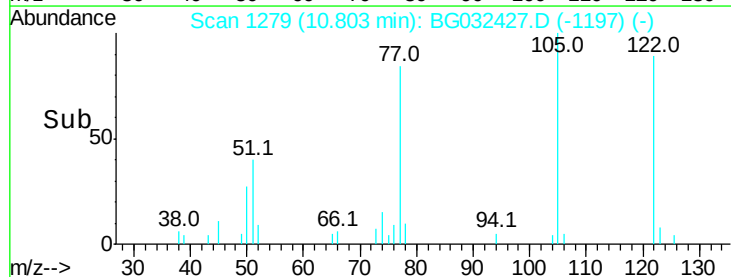
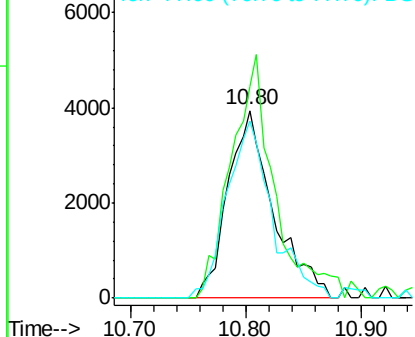


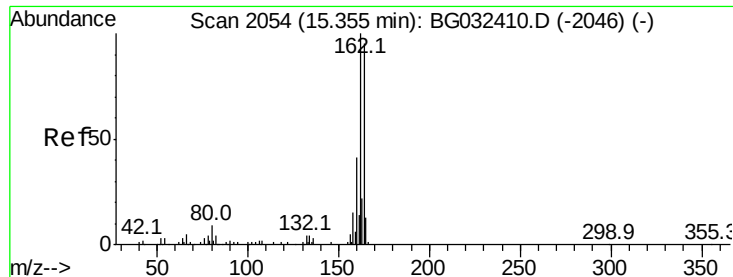
#32
Benzoic acid
Concen: 14.937 ng
RT: 10.80 min Scan# 1279
Delta R.T. -0.05 min
Lab File: BG032427.D
Acq: 29 Jan 2018 23:05

Tgt Ion:122 Resp: 10797
Ion Ratio Lower Upper
122 100
105 112.6 123.5 163.5#
77 94.3 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BG032427.D

Acq: 29 Jan 2018 23:05

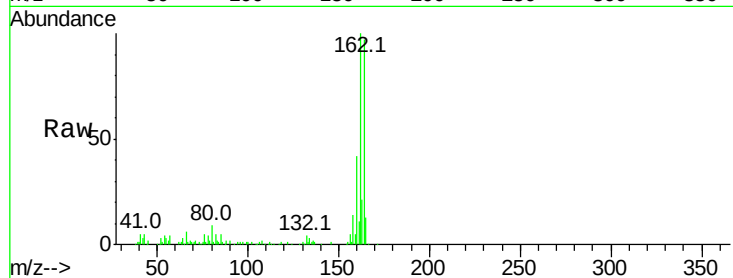
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 87296

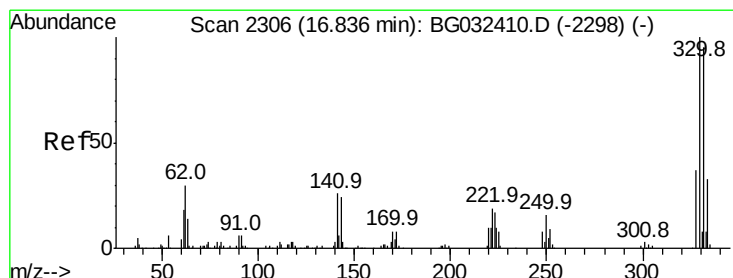
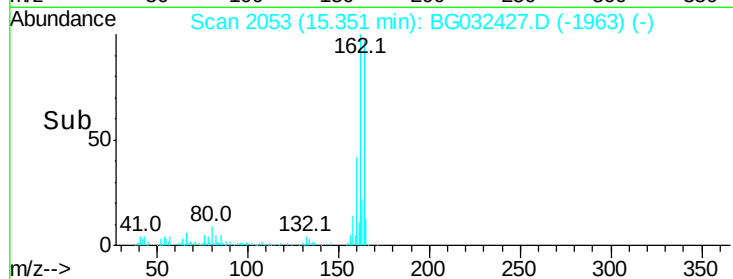
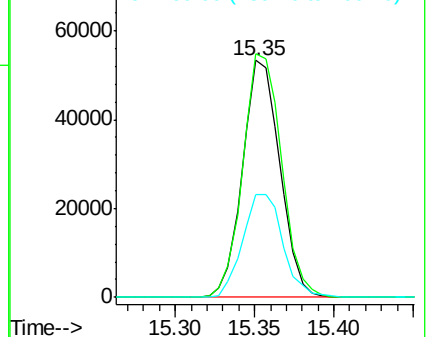
Ion	Ratio	Lower	Upper
164	100		
162	102.7	78.8	118.2
160	43.6	35.4	53.0



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: 160.712 ng

RT: 16.83 min Scan# 2305

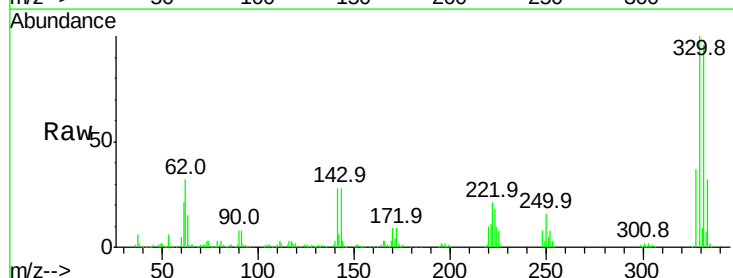
Delta R.T. -0.00 min

Lab File: BG032427.D

Acq: 29 Jan 2018 23:05

Tgt Ion:330 Resp: 267052

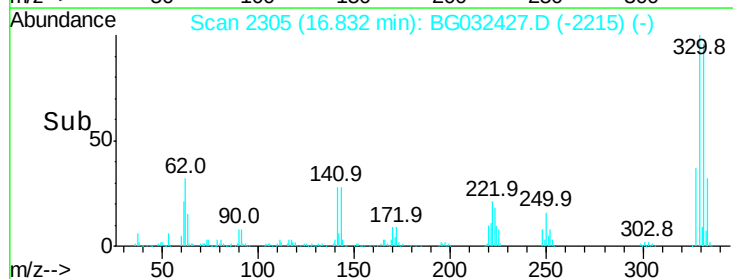
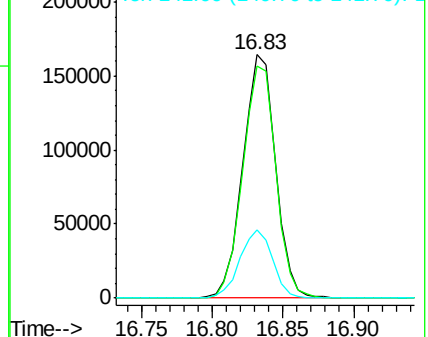
Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	28.0	25.2	37.8

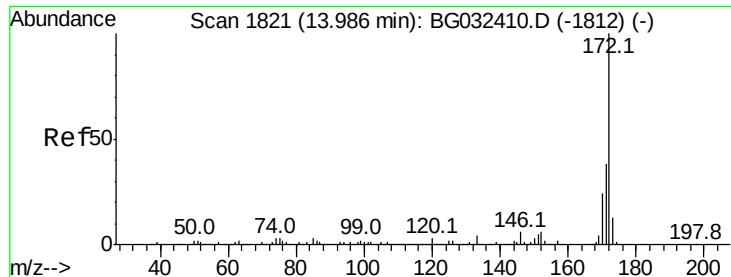


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

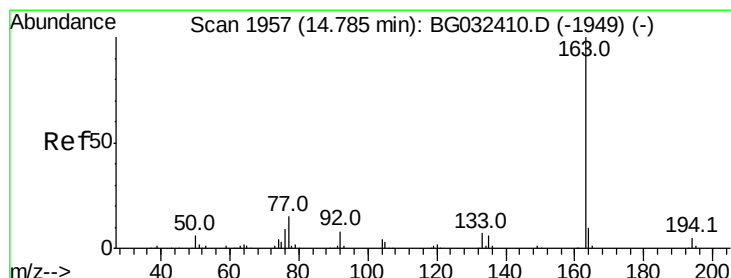
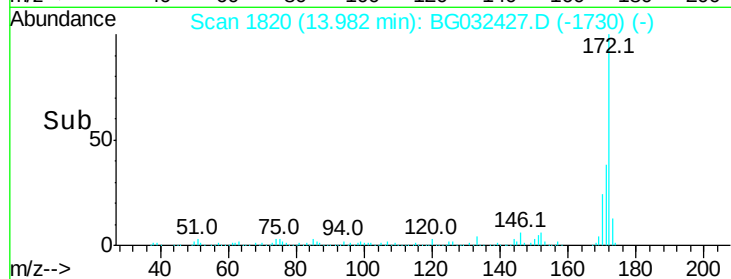
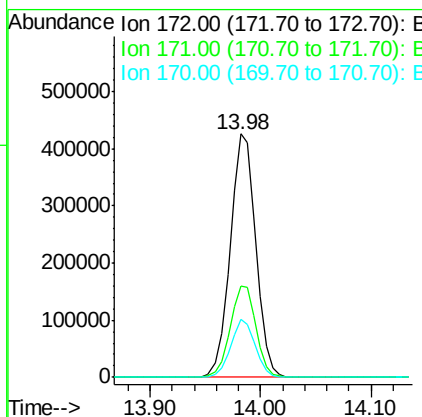
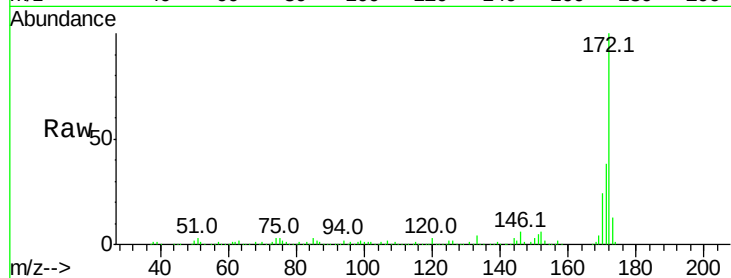




#44
2-Fluorobiphenyl
Concen: 94.022 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BG032427.D
Acq: 29 Jan 2018 23:05

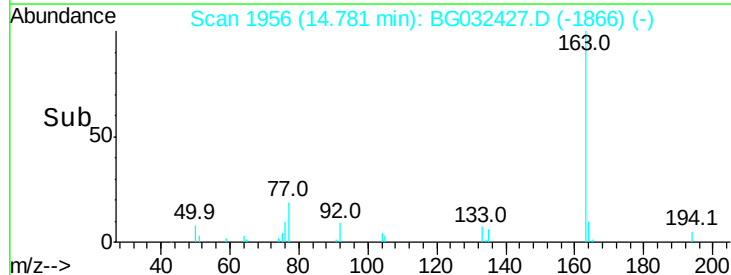
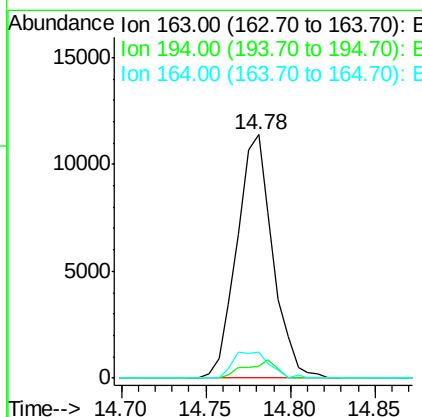
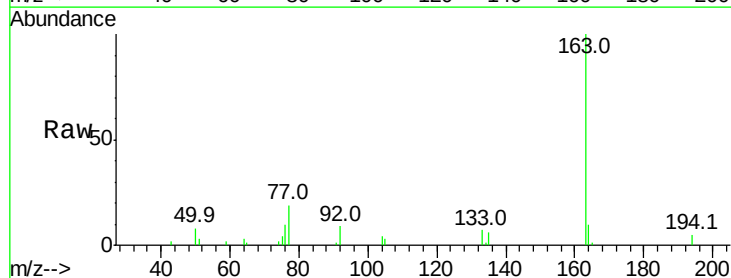
Instrument :
BNA_G
ClientSampled :

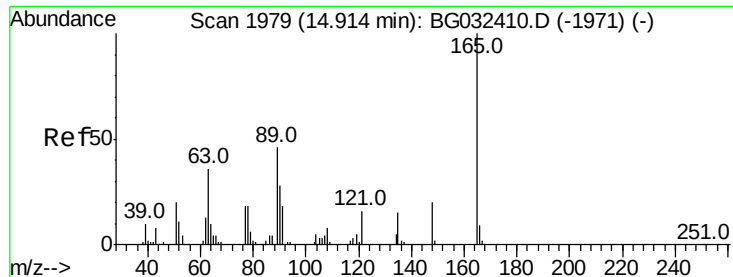
Tot Ion:172 Resp: 690556
Ion Ratio Lower Upper
172 100
171 37.6 30.0 45.0
170 23.9 19.5 29.3



#49
Dimethylphthalate
Concen: 2.081 ng
RT: 14.78 min Scan# 1956
Delta R.T. -0.00 min
Lab File: BG032427.D
Acq: 29 Jan 2018 23:05

Tgt Ion:163 Resp: 16748
Ion Ratio Lower Upper
163 100
194 5.1 3.4 5.2
164 10.5 8.2 12.4

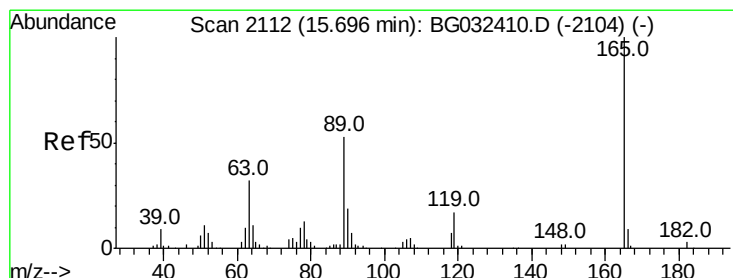
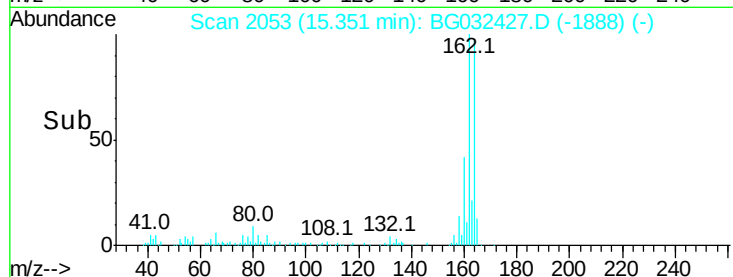
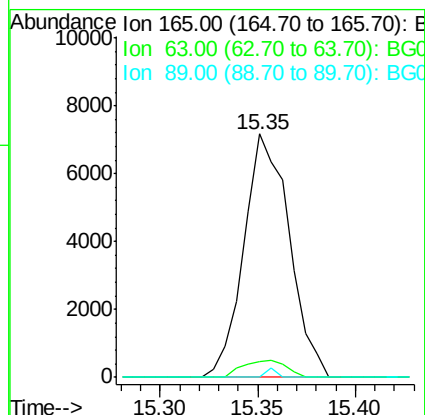
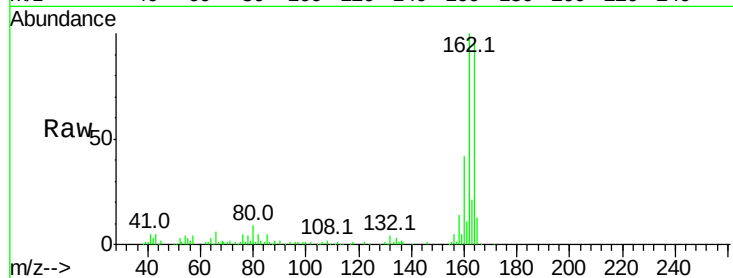




#50
2,6-Dinitrotoluene
Concen: 6.832 ng
RT: 15.35 min Scan# 2053
Delta R.T. 0.44 min
Lab File: BG032427.D
Acq: 29 Jan 2018 23:05

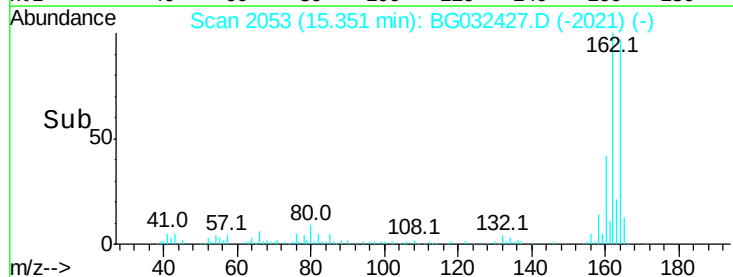
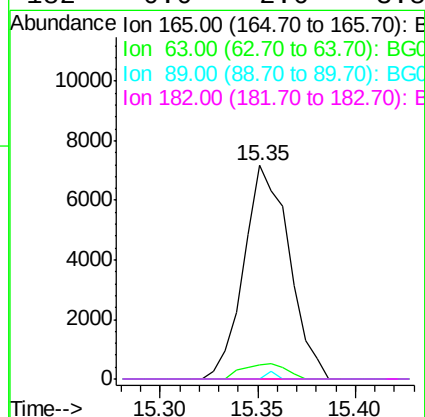
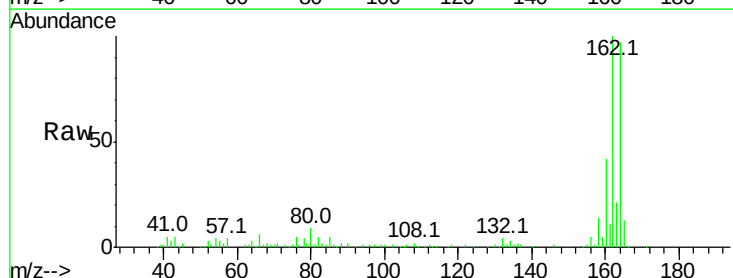
Instrument :
BNA_G
ClientSampleId :

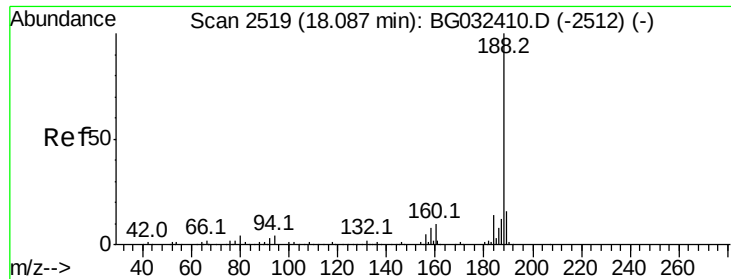
Tot Ion:165 Resp: 11542
Ion Ratio Lower Upper
165 100
63 6.5 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 4.798 ng
RT: 15.35 min Scan# 2053
Delta R.T. -0.34 min
Lab File: BG032427.D
Acq: 29 Jan 2018 23:05

Tgt Ion:165 Resp: 11542
Ion Ratio Lower Upper
165 100
63 6.5 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

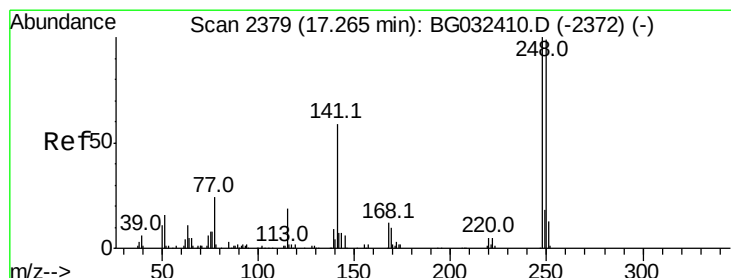
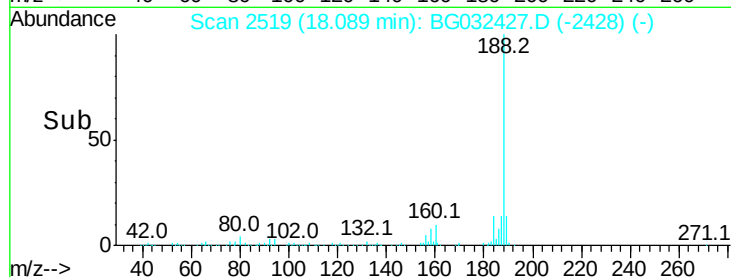
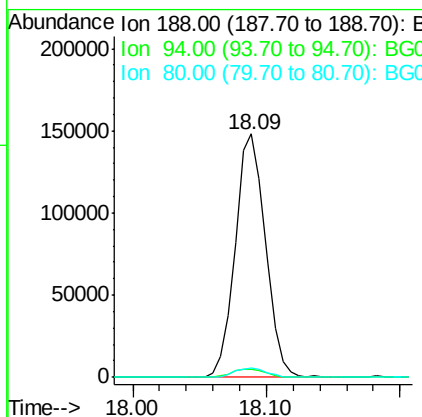
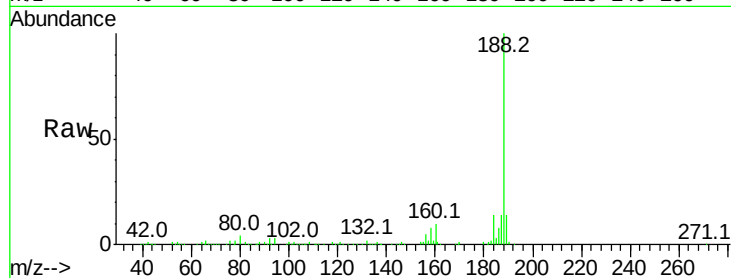




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. 0.00 min
 Lab File: BG032427.D
 Acq: 29 Jan 2018 23:05

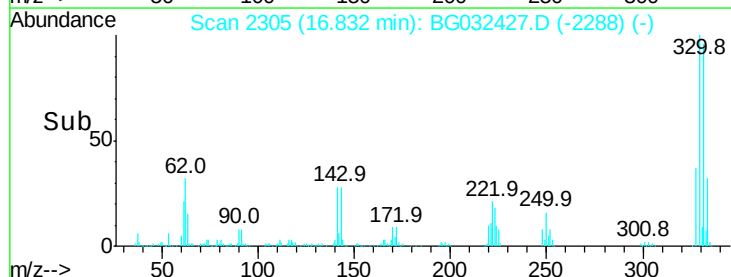
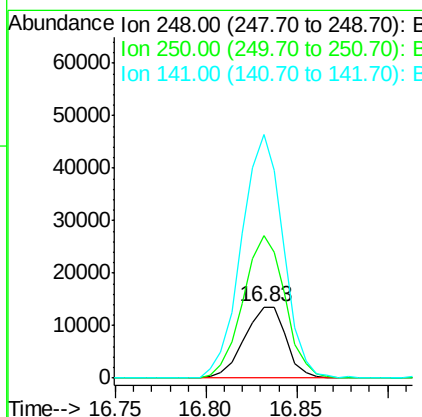
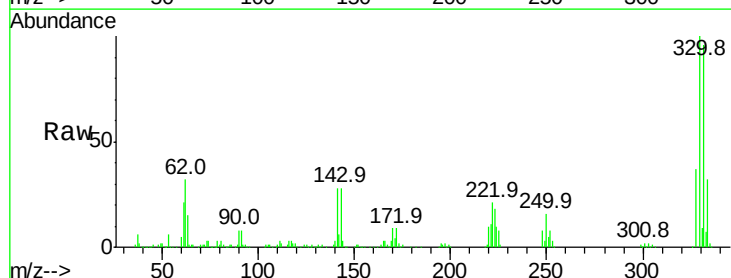
Instrument :
 BNA_G
 ClientSampleId :

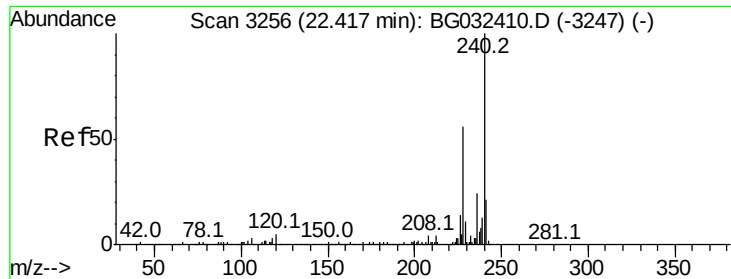
Tot Ion:188 Resp: 231789
 Ion Ratio Lower Upper
 188 100
 94 3.3 6.9 10.3#
 80 3.7 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 6.396 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.43 min
 Lab File: BG032427.D
 Acq: 29 Jan 2018 23:05

Tgt Ion:248 Resp: 21964
 Ion Ratio Lower Upper
 248 100
 250 199.0 77.1 115.7#
 141 341.3 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.42 min Scan# 3256

Delta R.T. 0.00 min

Lab File: BG032427.D

Acq: 29 Jan 2018 23:05

Instrument :

BNA_G

ClientSampleId :

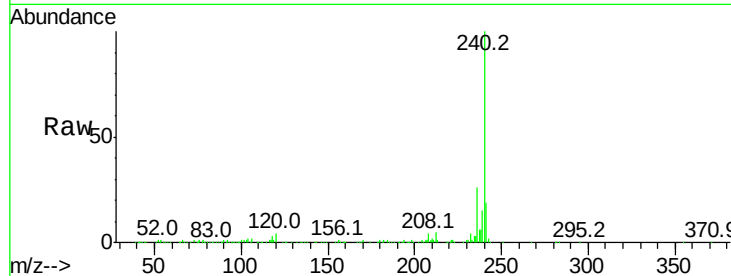
Tot Ion:240 Resp: 277761

Ion Ratio Lower Upper

240 100

120 4.2 6.8 10.2#

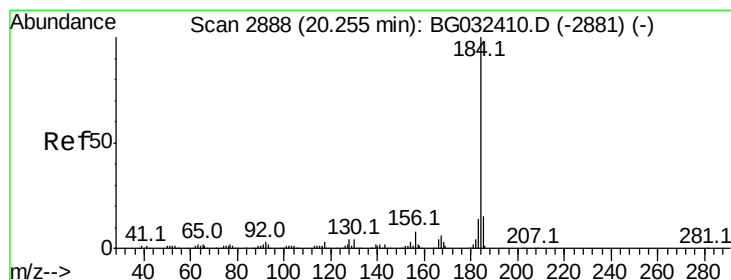
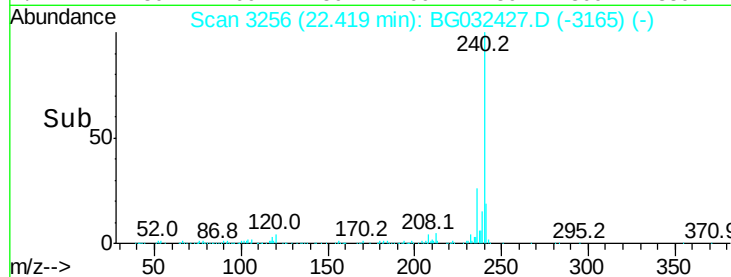
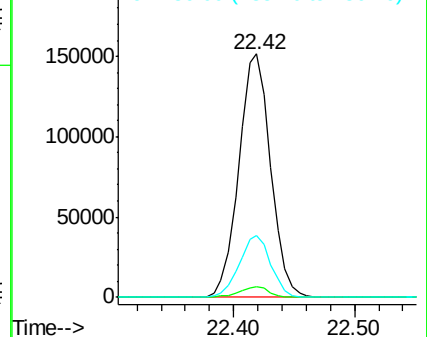
236 25.5 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 3.838 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032427.D

Acq: 29 Jan 2018 23:05

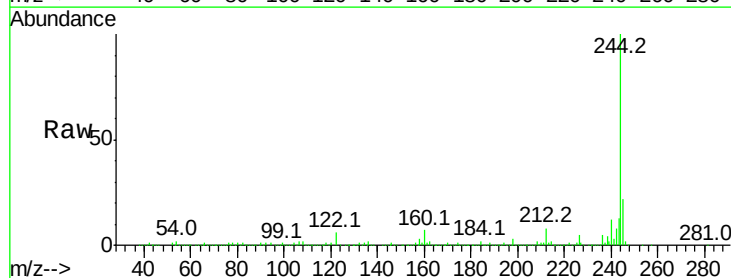
Tgt Ion:184 Resp: 20934

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

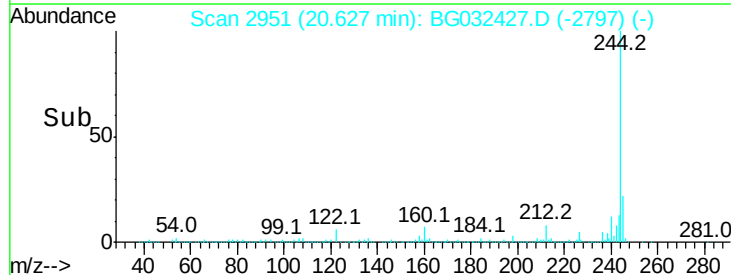
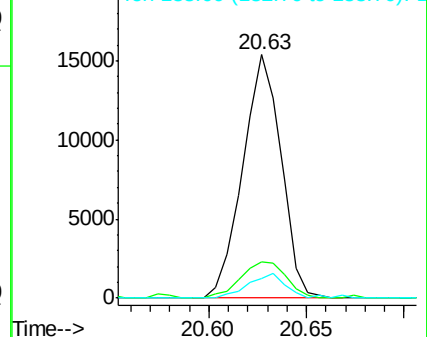
183 8.1 10.6 16.0#

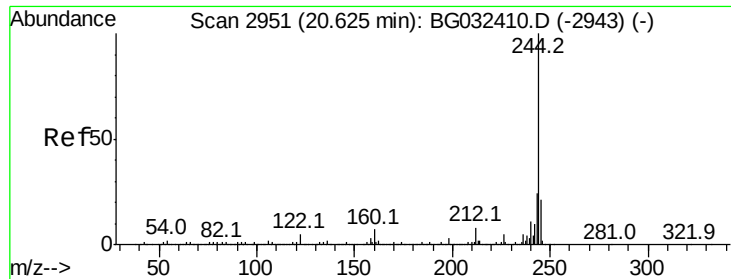


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 106.514 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.00 min

Lab File: BG032427.D

Acq: 29 Jan 2018 23:05

Instrument :

BNA_G

ClientSampleId :

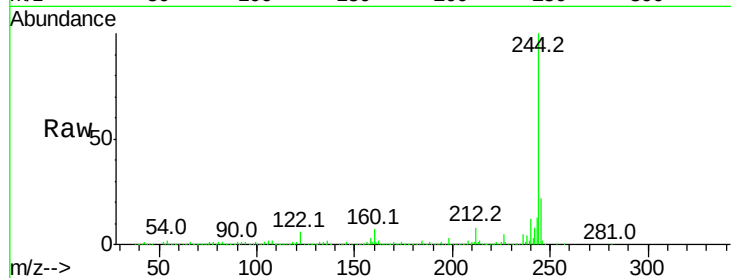
Tot Ion:244 Resp: 1381152

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

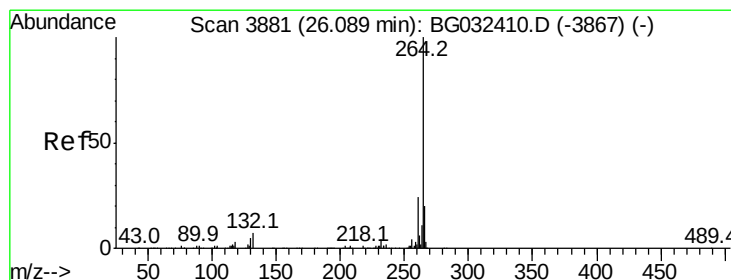
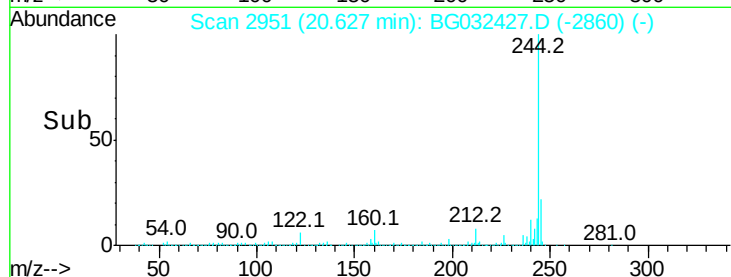
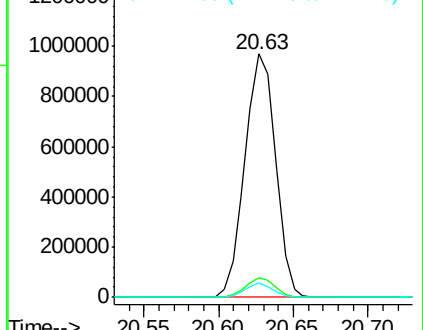
122 5.9 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.10 min Scan# 3883

Delta R.T. 0.01 min

Lab File: BG032427.D

Acq: 29 Jan 2018 23:05

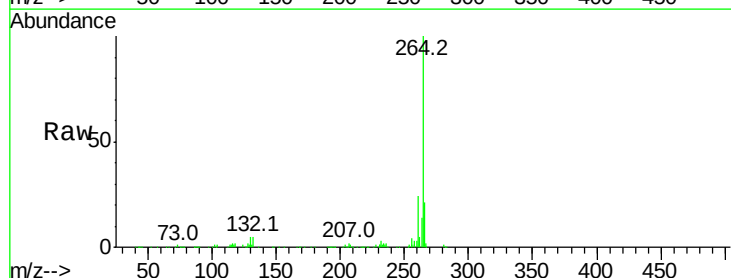
Tgt Ion:264 Resp: 303091

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 21.1 17.7 26.5



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

