

Data Path : U:\HPCHEM1\BNA G\DATA\BG012918\
 Data File : BG032425.D
 Acq On : 29 Jan 2018 21:49
 Operator : SJ/JU
 Sample : J1341-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 30 03:29:19 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	27767	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	111550	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	81400	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	218828	20.00	ng	0.00
75) Chrysene-d12	22.42	240	270189	20.00	ng	0.00
86) Perylene-d12	26.10	264	289119	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	213969	154.78	ng	0.00
7) Phenol-d6	7.84	99	242084	131.23	ng	0.00
23) Nitrobenzene-d5	9.92	82	182452	102.16	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	264218	170.52	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	683701	99.83	ng	0.00
78) Terphenyl-d14	20.63	244	1203927	95.45	ng	0.00

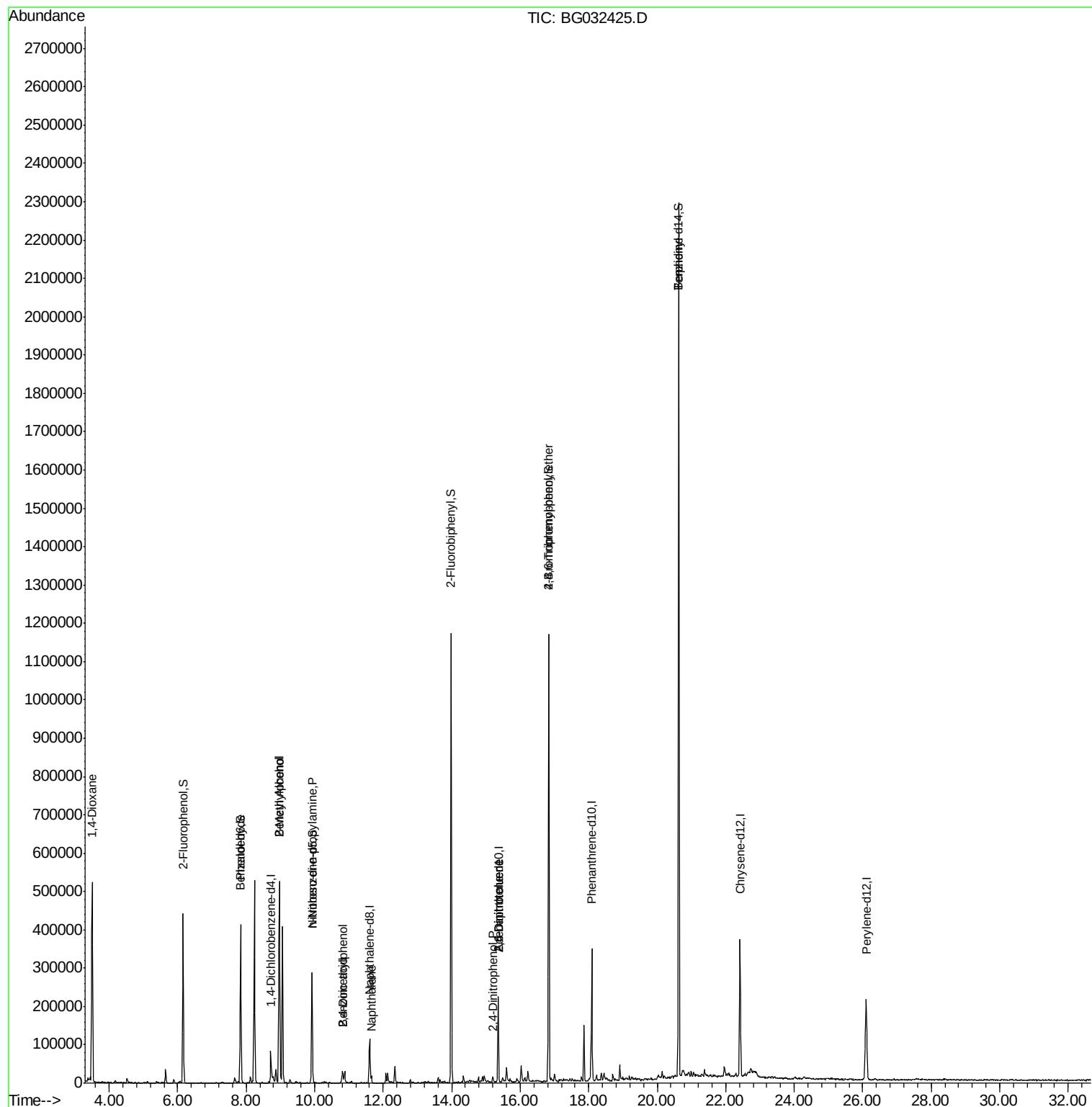
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	6199	13.328	ng	# 1
9) Benzaldehyde	7.83	77	3261	3.423	ng	# 61
15) Benzyl Alcohol	8.97	79	209305	137.667	ng	# 95
17) 2-Methylphenol	8.97	107	111983	78.705	ng	# 12
19) n-Nitroso-di-n-propylamine	9.92	70	27576	22.545	ng	# 76
27) 2,4-Dimethylphenol	10.81	122	16838	11.237	ng	# 1
31) Naphthalene	11.65	128	17545	3.220	ng	# 97
32) Benzoic acid	10.81	122	16838	20.061	ng	# 79
50) 2,6-Dinitrotoluene	15.36	165	10516	6.676	ng	# 20
53) 2,4-Dinitrophenol	15.21	184	55	4.157	ng	# 1
56) 2,4-Dinitrotoluene	15.36	165	10516	4.689	ng	# 18
66) 4-Bromophenyl-phenylether	16.84	248	21540	6.644	ng	# 1
76) Benzidine	20.63	184	17802	3.355	ng	# 88

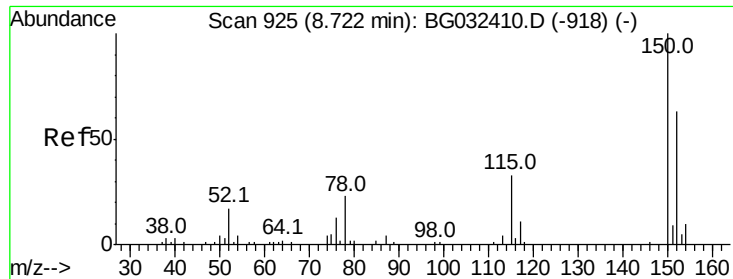
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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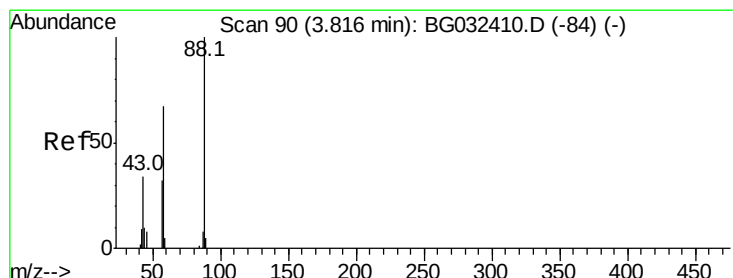
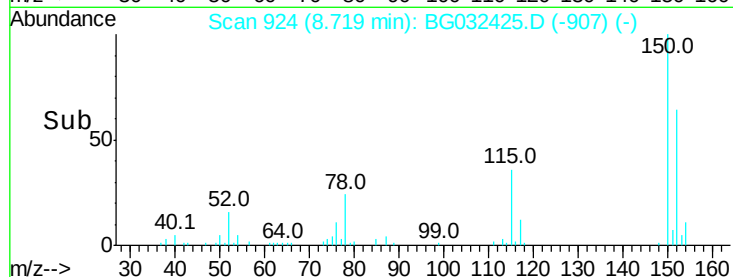
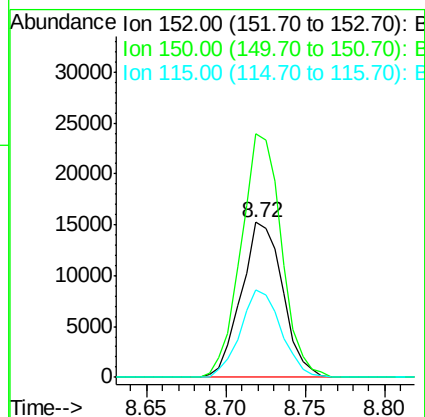
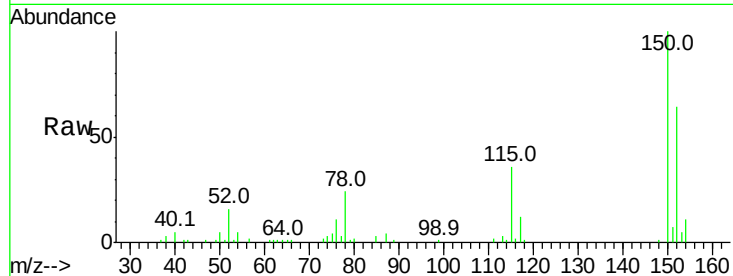


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG032425.D
Acq: 29 Jan 2018 21:49

Instrument :
BNA_G
ClientSampleId :

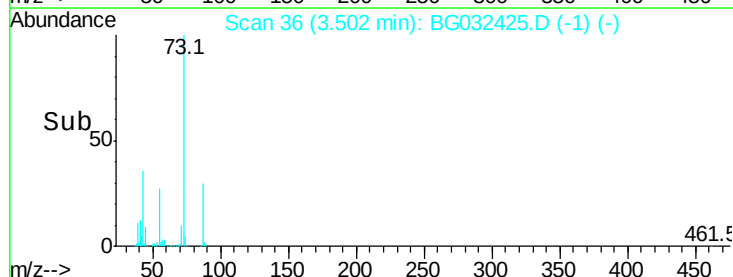
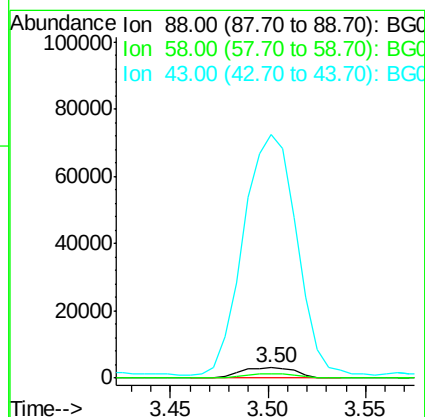
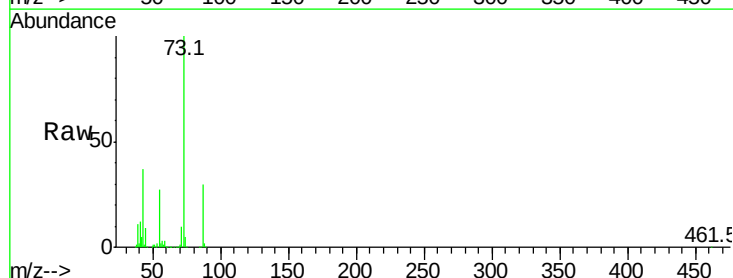
Tot Ion:152 Resp: 27767
Ion Ratio Lower Upper
152 100
150 157.4 126.6 189.8
115 56.9 53.0 79.4

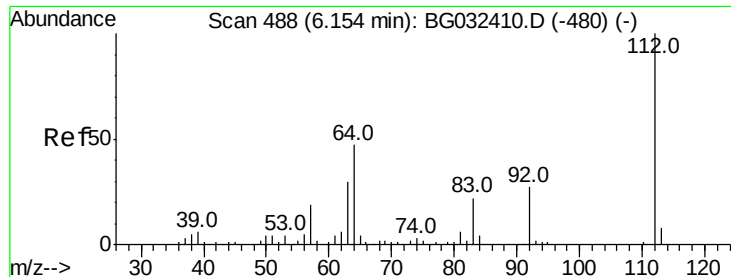


#2

1,4-Dioxane
Concen: 13.328 ng
RT: 3.50 min Scan# 36
Delta R.T. -0.31 min
Lab File: BG032425.D
Acq: 29 Jan 2018 21:49

Tgt Ion: 88 Resp: 6199
Ion Ratio Lower Upper
88 100
58 37.0 79.6 119.4#
43 2164.8 27.4 41.0#





#5

2-Fluorophenol

Concen: 154.777 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032425.D

Acq: 29 Jan 2018 21:49

Instrument :

BNA_G

ClientSampled :

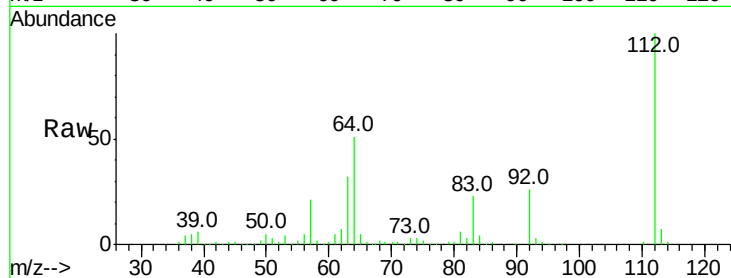
Tot Ion:112 Resp: 213969

Ion Ratio Lower Upper

112 100

64 51.5 56.3 84.5#

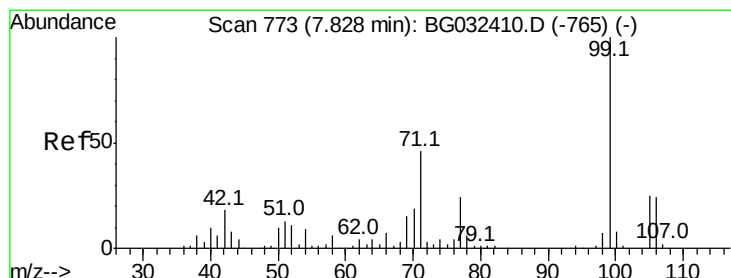
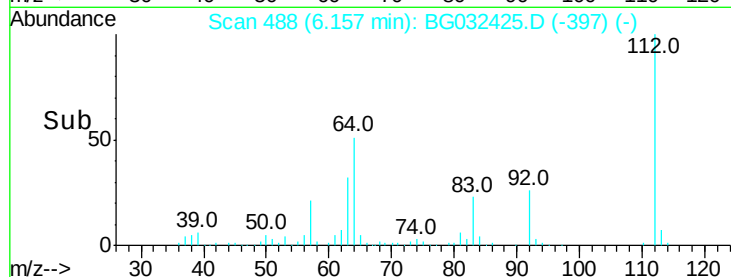
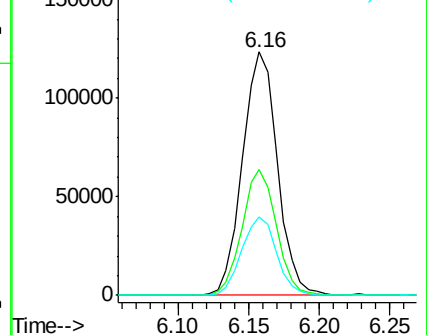
63 32.3 30.1 45.1



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: 131.229 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032425.D

Acq: 29 Jan 2018 21:49

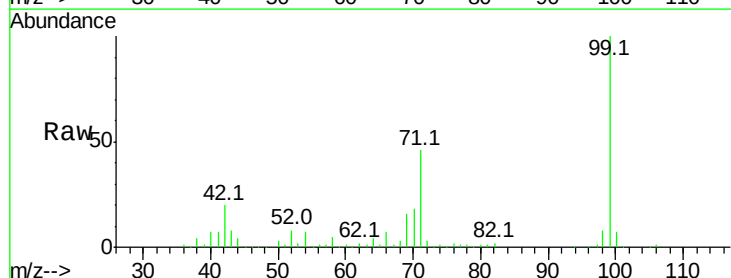
Tgt Ion: 99 Resp: 242084

Ion Ratio Lower Upper

99 100

42 19.8 14.1 21.1

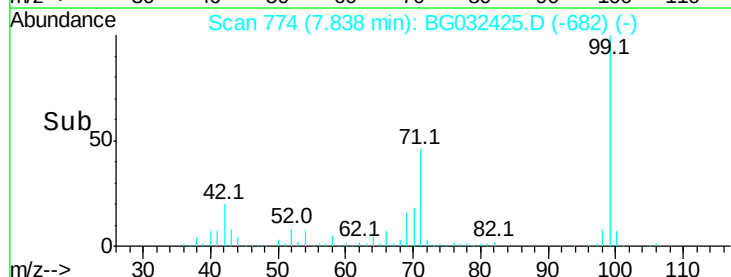
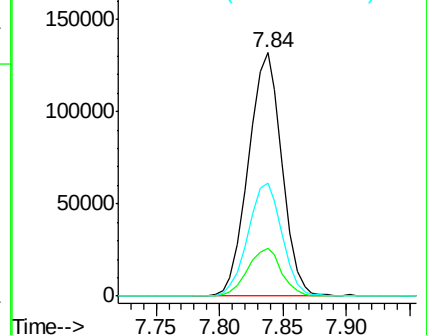
71 46.3 26.1 39.1#

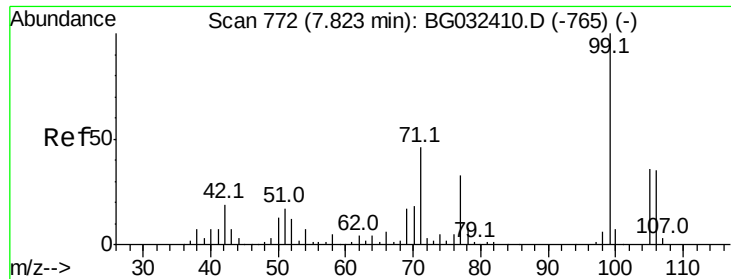


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 3.423 ng

RT: 7.83 min Scan# 772

Delta R.T. 0.00 min

Lab File: BG032425.D

Acq: 29 Jan 2018 21:49

Instrument :

BNA_G

ClientSampled :

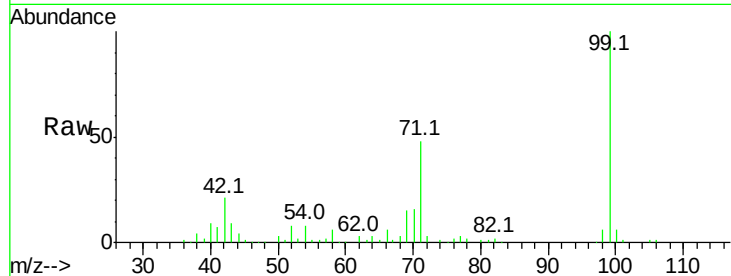
Tot Ion: 77 Resp: 3261

Ion Ratio Lower Upper

77 100

105 57.0 71.3 111.3#

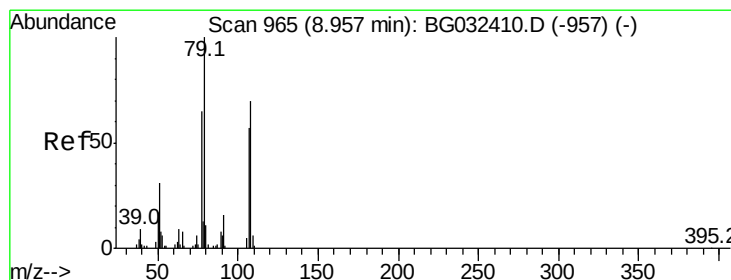
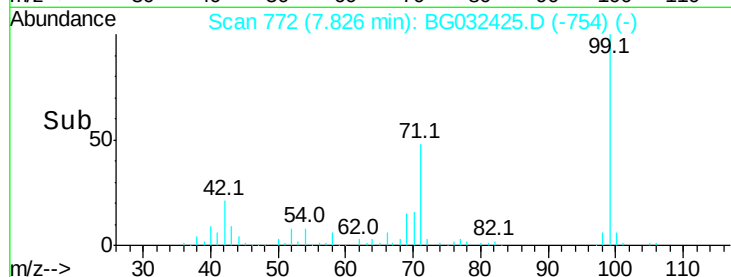
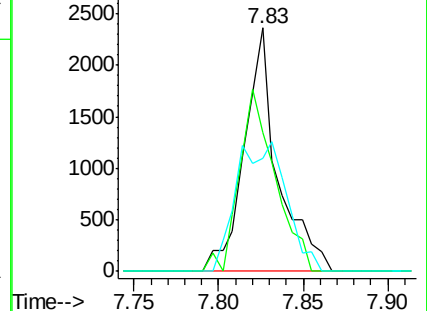
106 46.6 64.2 104.2#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#15

Benzyl Alcohol

Concen: 137.667 ng

RT: 8.97 min Scan# 966

Delta R.T. 0.01 min

Lab File: BG032425.D

Acq: 29 Jan 2018 21:49

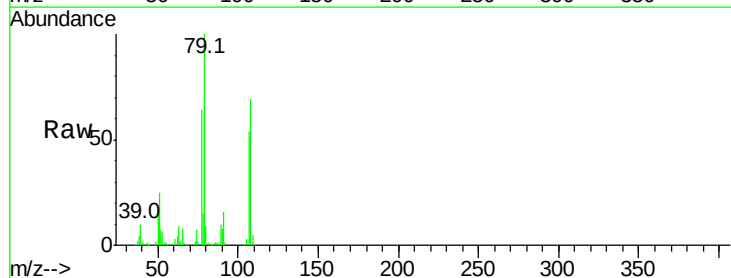
Tgt Ion: 79 Resp: 209305

Ion Ratio Lower Upper

79 100

108 69.4 57.2 85.8

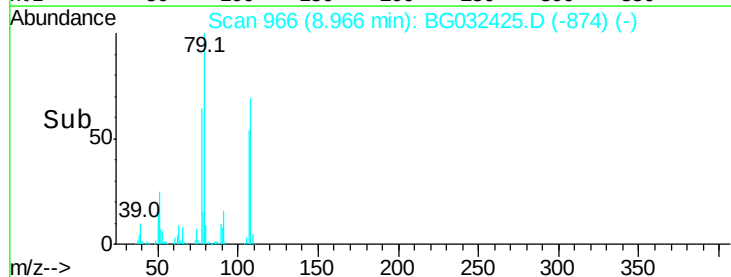
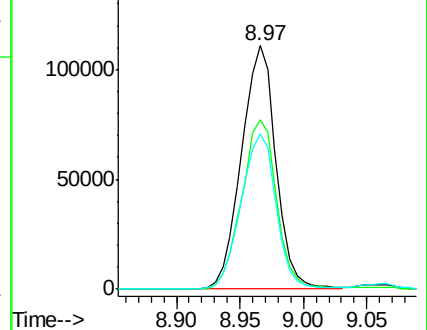
77 63.9 46.1 69.1

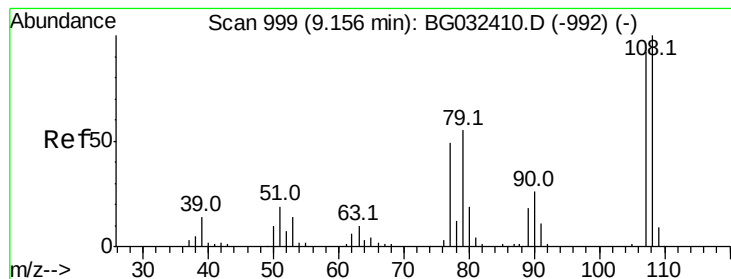


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#17

2-Methylphenol

Concen: 78.705 ng

RT: 8.97 min Scan# 966

Delta R.T. -0.19 min

Lab File: BG032425.D

Acq: 29 Jan 2018 21:49

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 111983

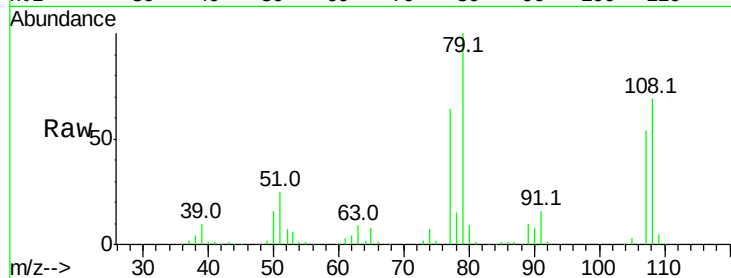
Ion Ratio Lower Upper

107 100

108 129.1 83.9 125.9#

77 118.7 37.2 55.8#

79 185.9 36.2 54.2#

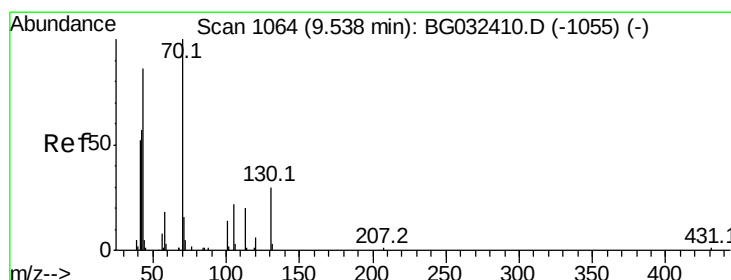
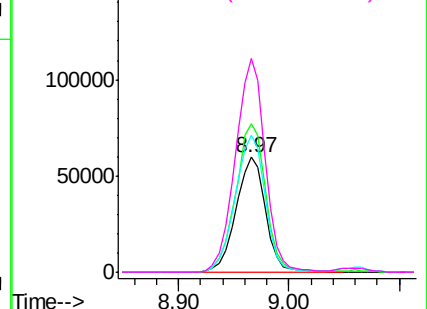
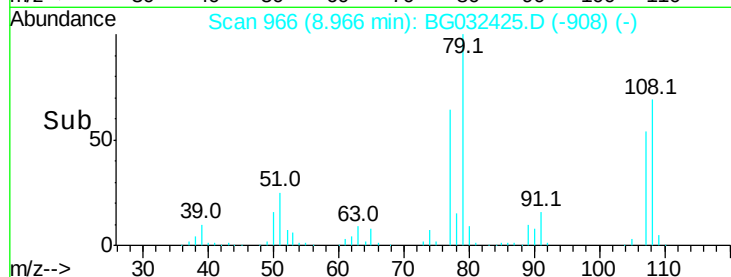


Abundance Ion 107.00 (106.70 to 107.70): E

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



#19

n-Nitroso-di-n-propylamine

Concen: 22.545 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032425.D

Acq: 29 Jan 2018 21:49

Tgt Ion: 70 Resp: 27576

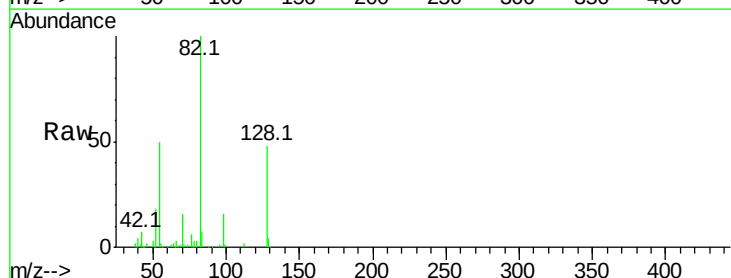
Ion Ratio Lower Upper

70 100

42 46.0 49.1 73.7#

101 0.0 8.5 12.7#

130 1.2 13.4 20.0#

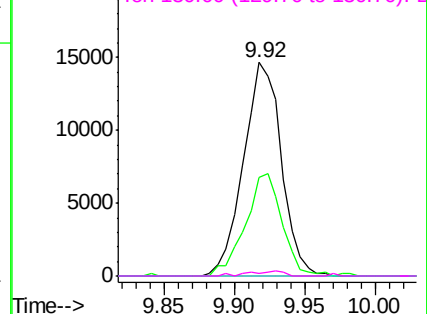
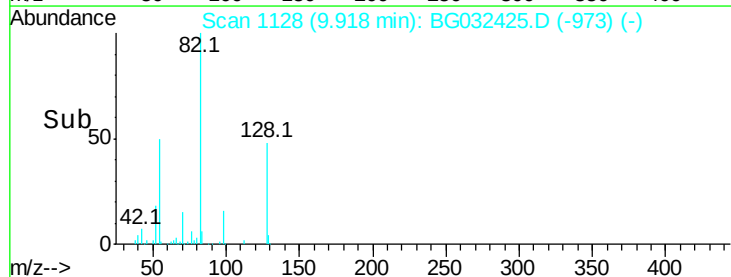


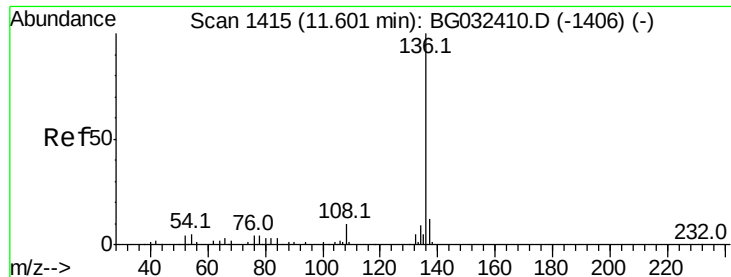
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

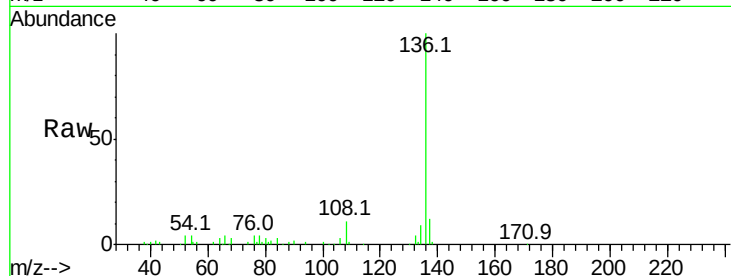




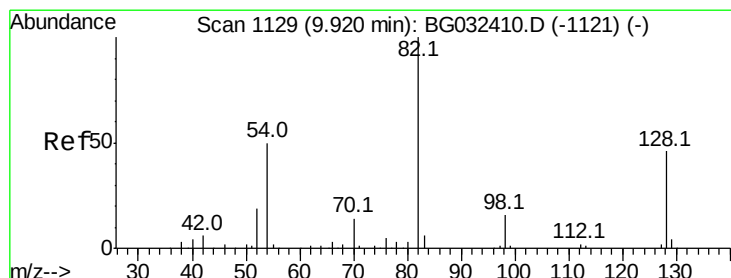
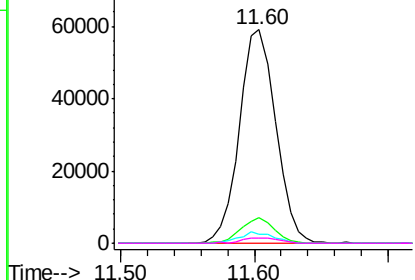
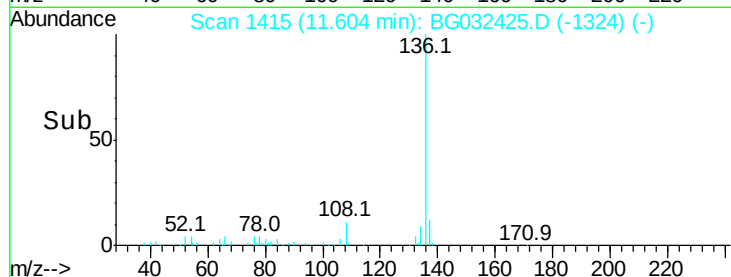
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BG032425.D
Acq: 29 Jan 2018 21:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 111550
Ion Ratio Lower Upper
136 100
137 11.9 9.2 13.8
54 5.0 10.3 15.5#
68 2.7 4.5 6.7#

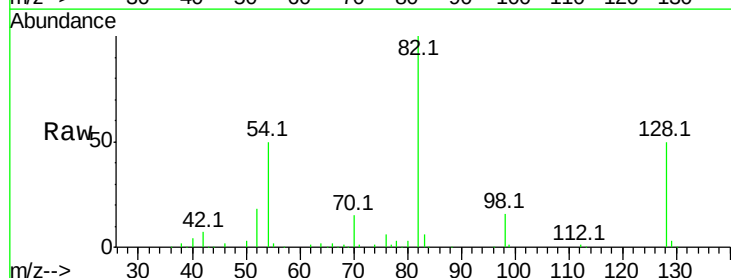


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

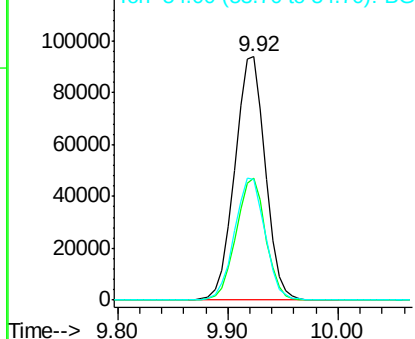
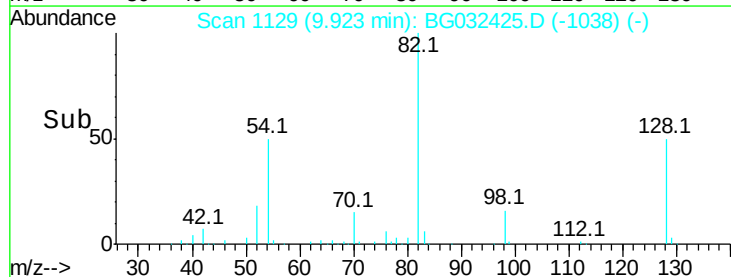


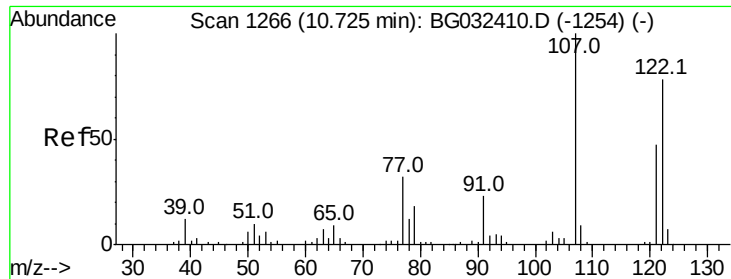
#23
Nitrobenzene-d5
Concen: 102.161 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BG032425.D
Acq: 29 Jan 2018 21:49

Tgt Ion: 82 Resp: 182452
Ion Ratio Lower Upper
82 100
128 50.0 29.7 44.5#
54 49.6 43.1 64.7



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

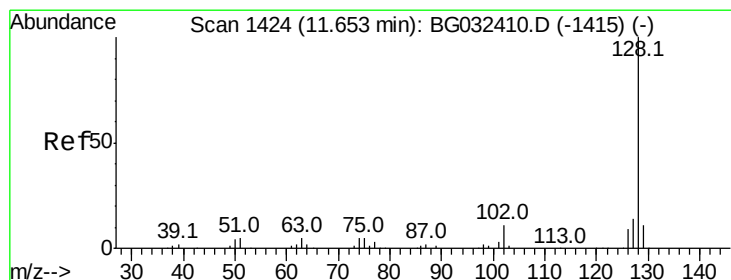
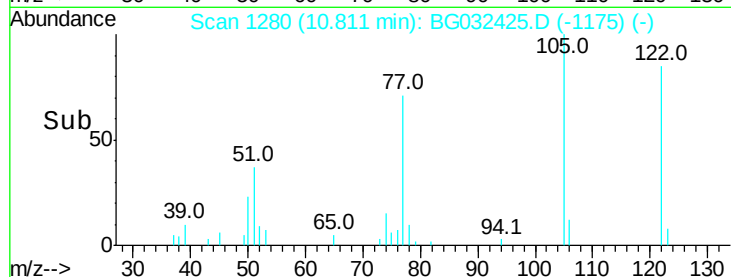
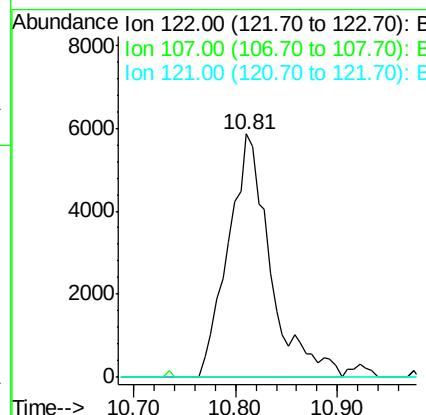
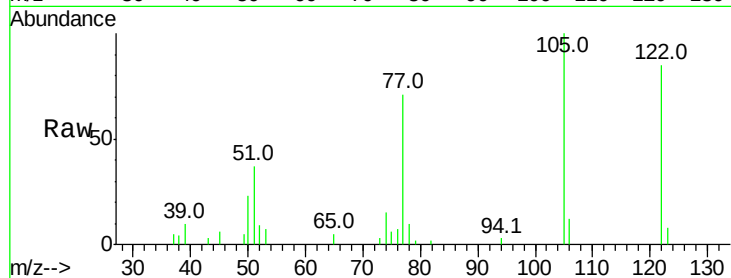




#27
 2,4-Dimethylphenol
 Concen: 11.237 ng
 RT: 10.81 min Scan# 1280
 Delta R.T. 0.09 min
 Lab File: BG032425.D
 Acq: 29 Jan 2018 21:49

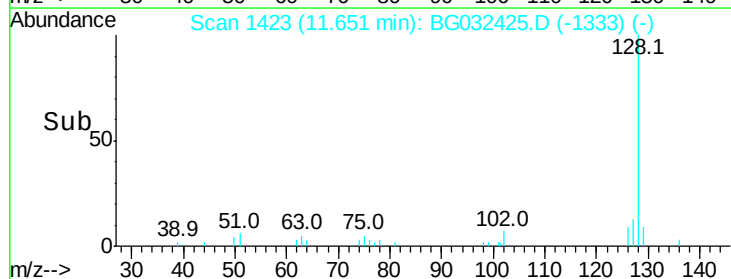
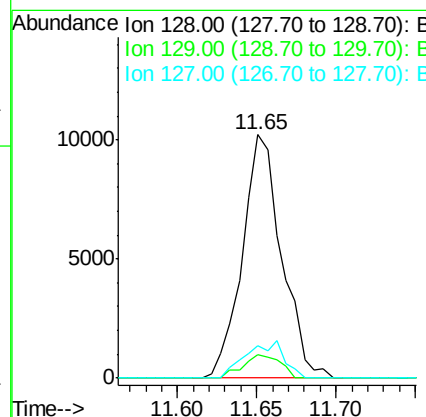
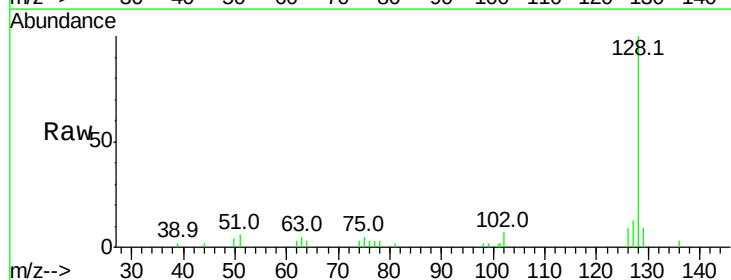
Instrument :
 BNA_G
 ClientSampleId :

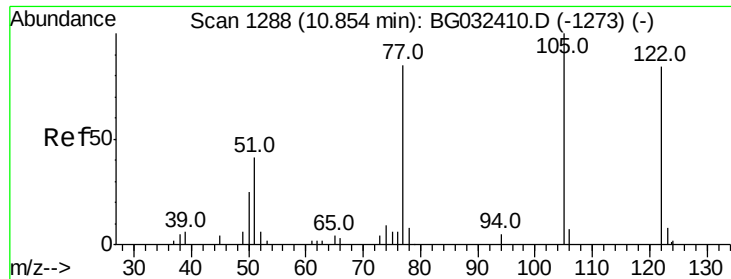
Tot Ion:122 Resp: 16838
 Ion Ratio Lower Upper
 122 100
 107 0.0 100.2 150.2#
 121 0.0 44.4 66.6#



#31
 Naphthalene
 Concen: 3.220 ng
 RT: 11.65 min Scan# 1423
 Delta R.T. -0.00 min
 Lab File: BG032425.D
 Acq: 29 Jan 2018 21:49

Tgt Ion:128 Resp: 17545
 Ion Ratio Lower Upper
 128 100
 129 9.4 8.6 12.8
 127 13.5 11.6 17.4

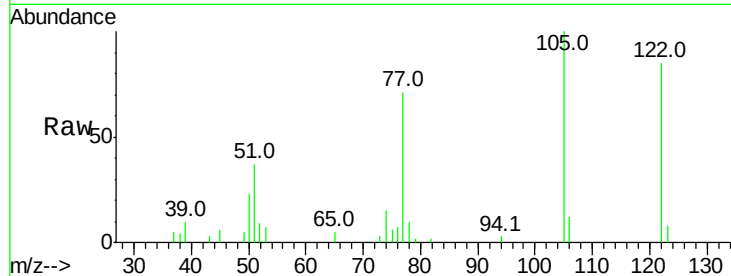




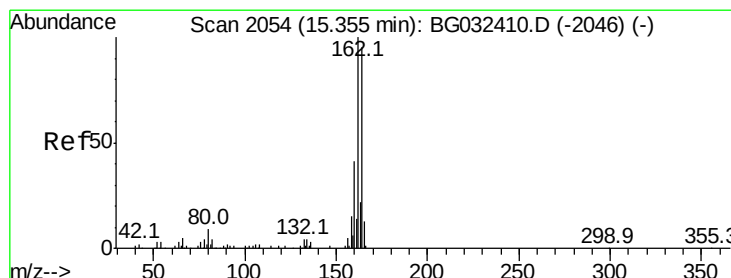
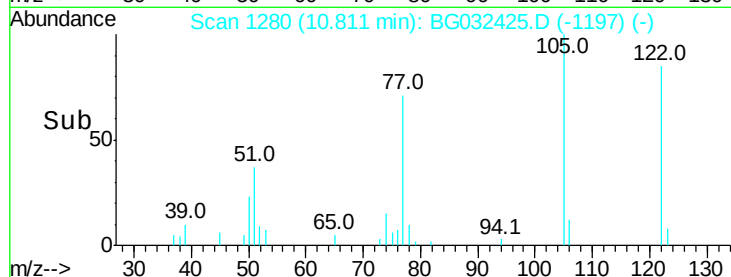
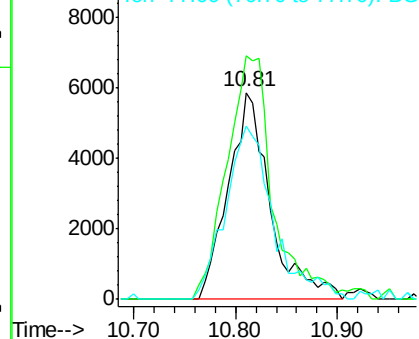
#32
Benzoic acid
Concen: 20.061 ng
RT: 10.81 min Scan# 1280
Delta R.T. -0.04 min
Lab File: BG032425.D
Acq: 29 Jan 2018 21:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 16838
Ion Ratio Lower Upper
122 100
105 117.6 123.5 163.5#
77 83.9 85.7 125.7#

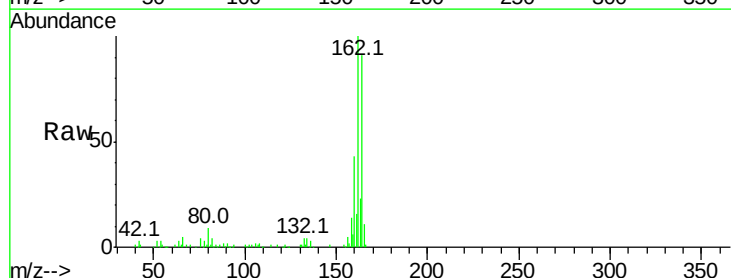


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

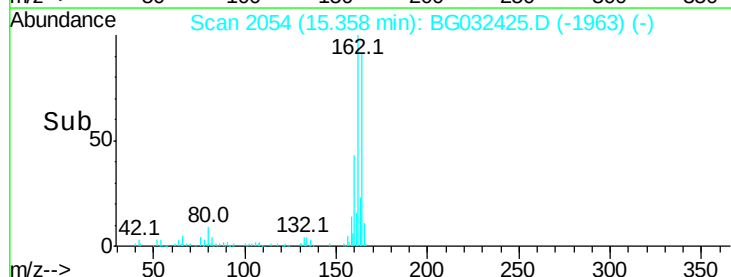
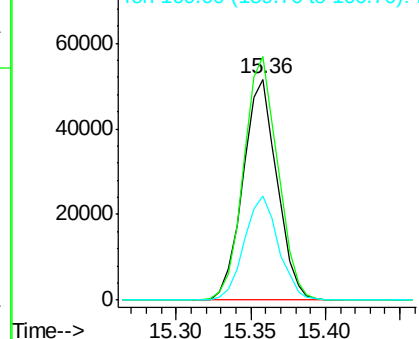


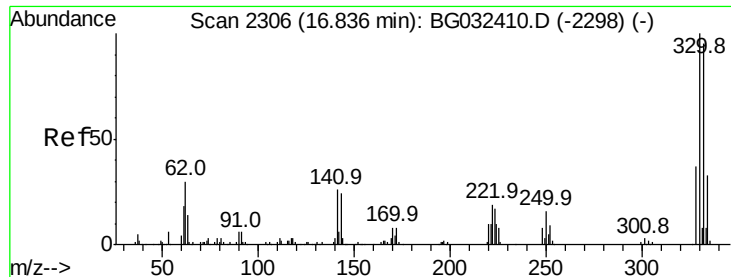
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BG032425.D
Acq: 29 Jan 2018 21:49

Tgt Ion:164 Resp: 81400
Ion Ratio Lower Upper
164 100
162 110.1 78.8 118.2
160 47.1 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

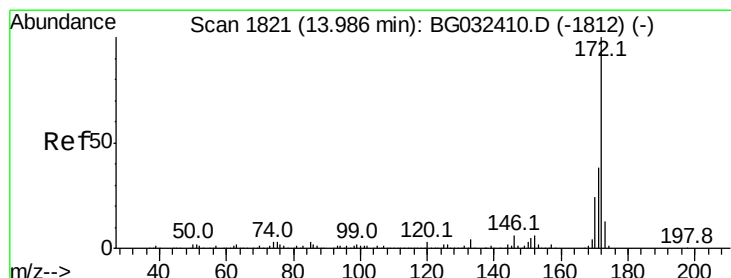
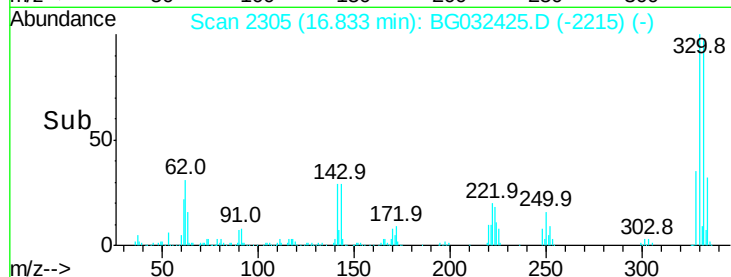
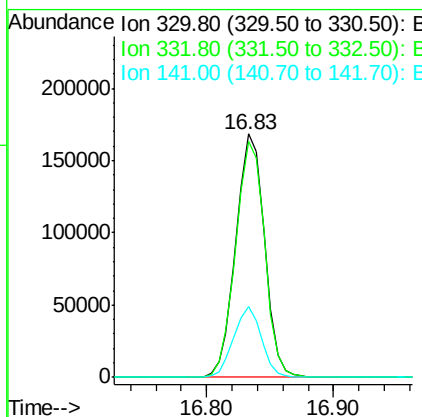
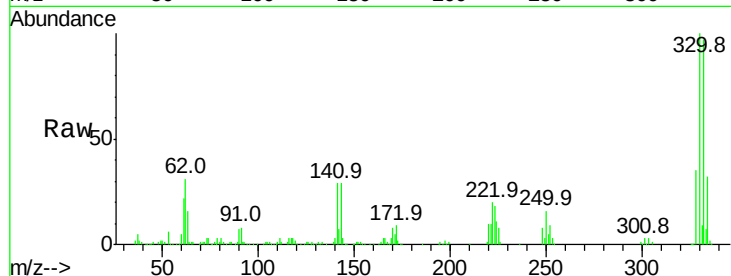




#41
 2,4,6-Tribromophenol
 Concen: 170.524 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: BG032425.D
 Acq: 29 Jan 2018 21:49

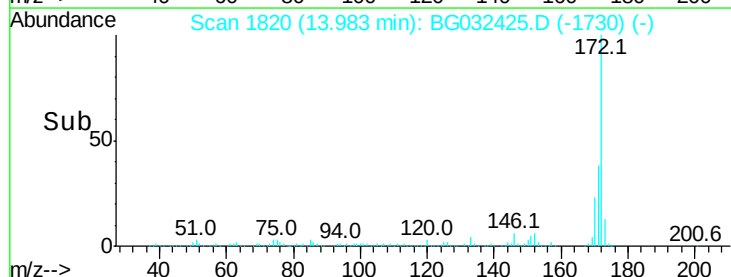
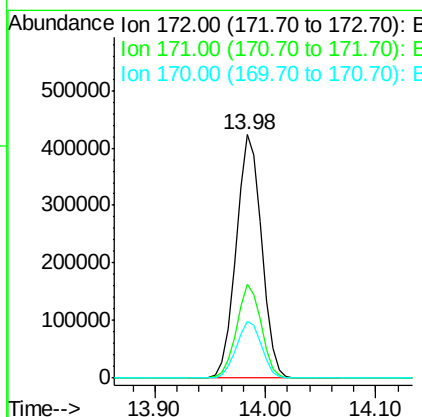
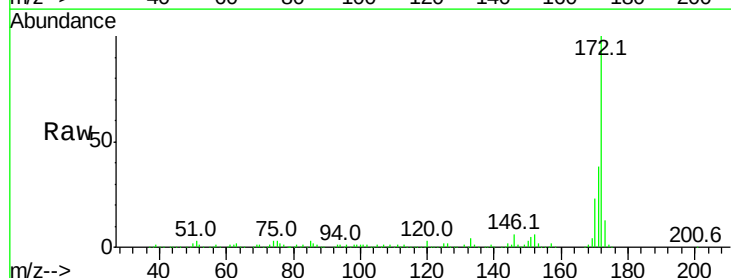
Instrument :
 BNA_G
 ClientSampleId :

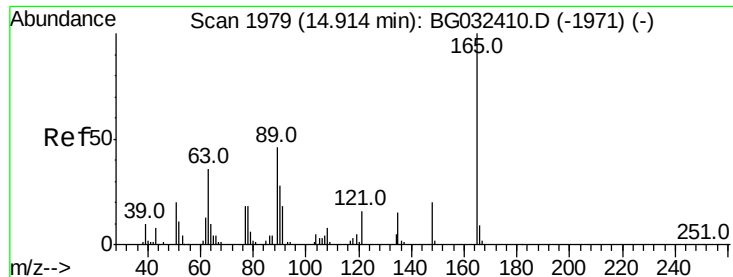
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	28.1	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 99.831 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BG032425.D
 Acq: 29 Jan 2018 21:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	23.1	19.5	29.3

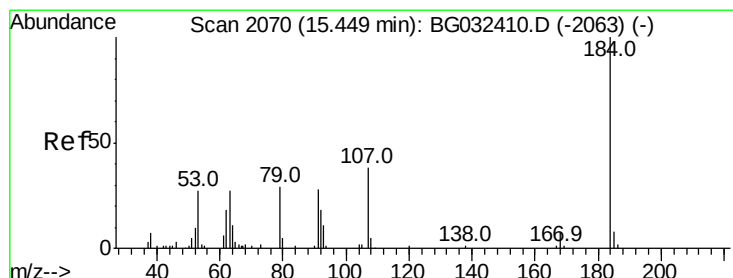
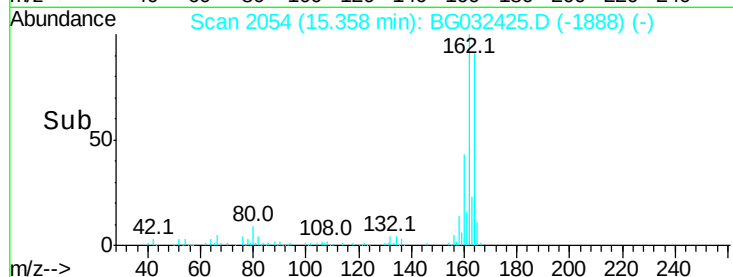
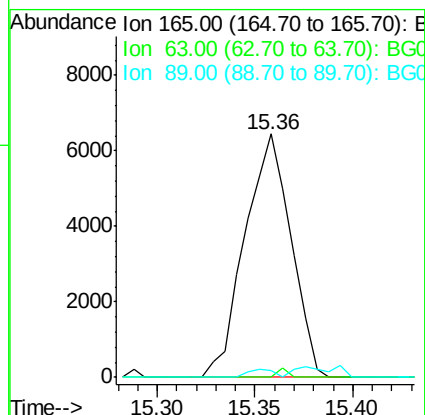
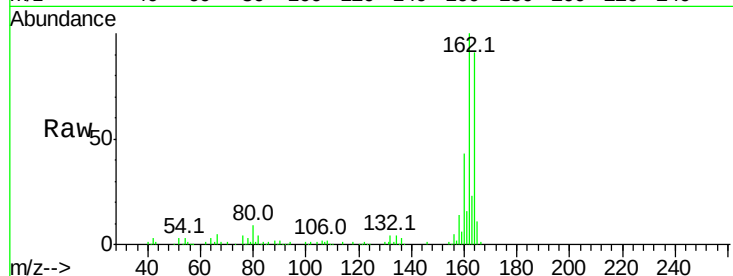




#50
2,6-Dinitrotoluene
Concen: 6.676 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.44 min
Lab File: BG032425.D
Acq: 29 Jan 2018 21:49

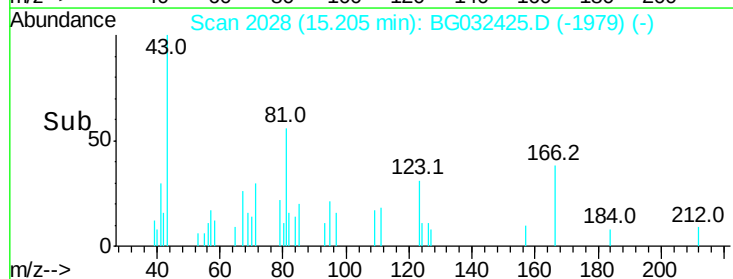
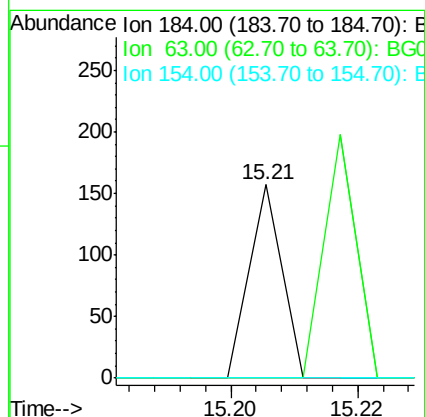
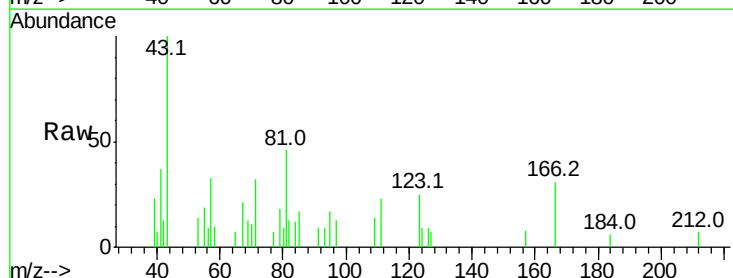
Instrument :
BNA_G
ClientSampleId :

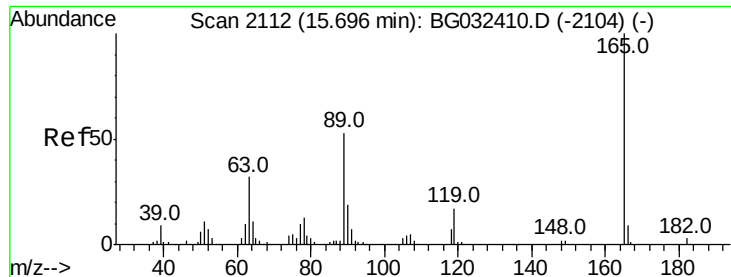
Tot Ion:165 Resp: 10516
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.7 49.2 73.8#



#53
2,4-Dinitrophenol
Concen: 4.157 ng
RT: 15.21 min Scan# 2028
Delta R.T. -0.24 min
Lab File: BG032425.D
Acq: 29 Jan 2018 21:49

Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

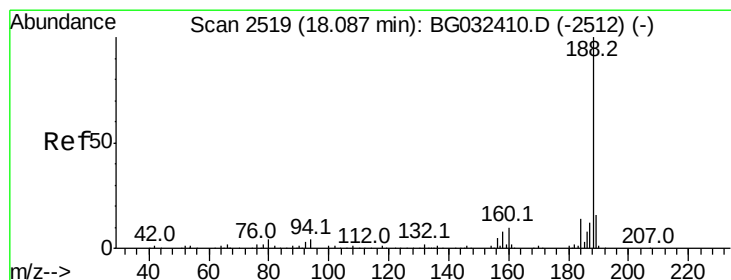
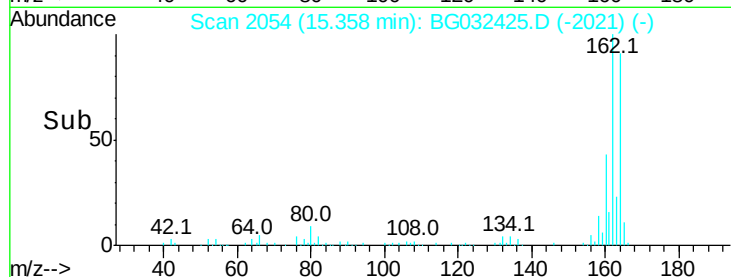
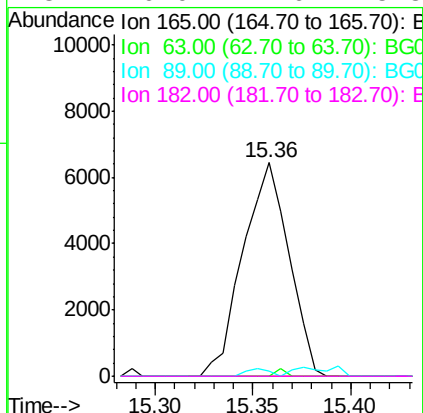
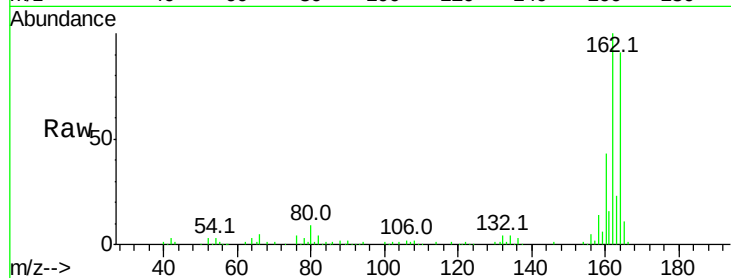




#56
 2,4-Dinitrotoluene
 Concen: 4.689 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032425.D
 Acq: 29 Jan 2018 21:49

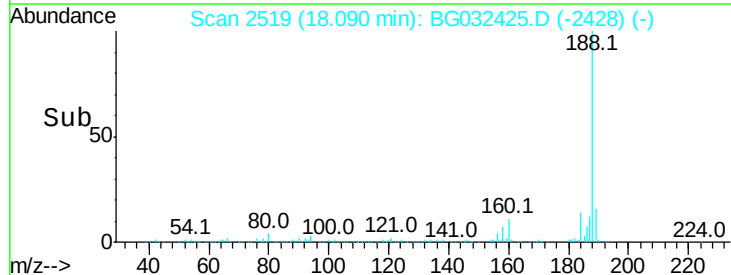
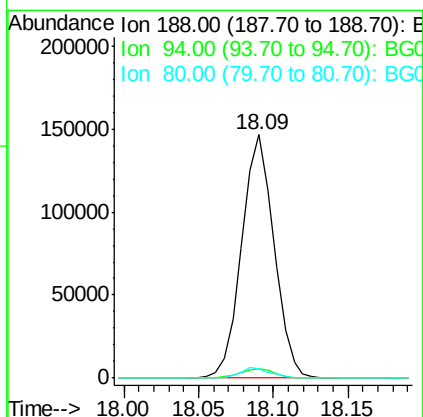
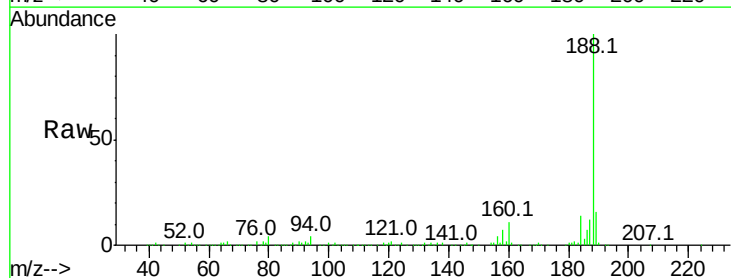
Instrument :
 BNA_G
 ClientSampleId :

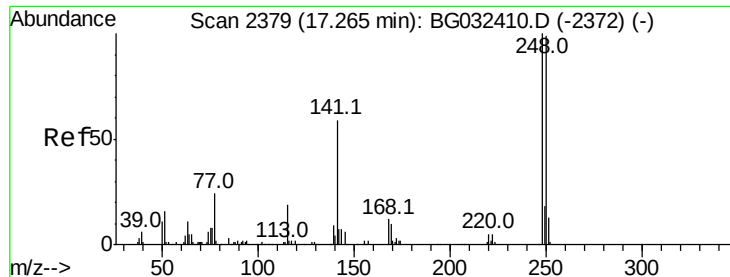
Tot Ion:165 Resp: 10516
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.7 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. 0.00 min
 Lab File: BG032425.D
 Acq: 29 Jan 2018 21:49

Tgt Ion:188 Resp: 218828
 Ion Ratio Lower Upper
 188 100
 94 3.6 6.9 10.3#
 80 3.9 7.7 11.5#

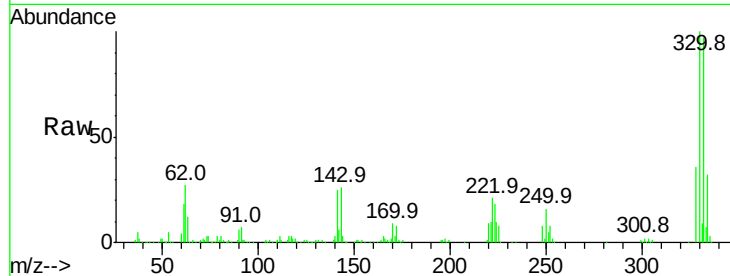




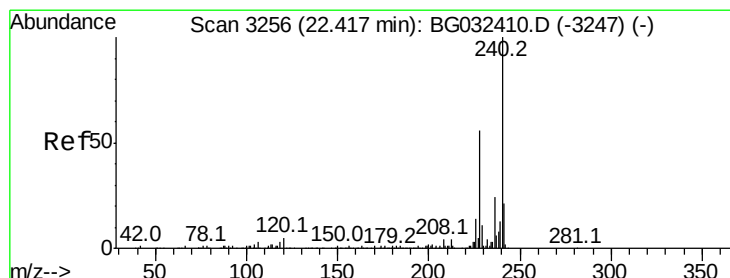
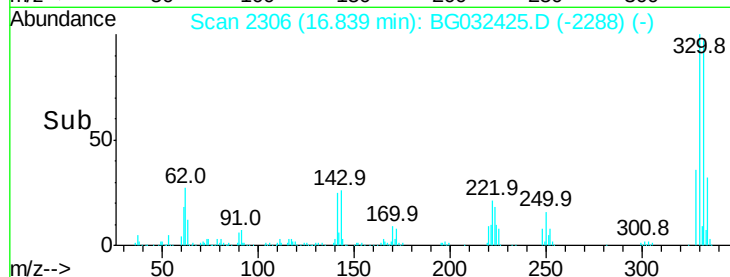
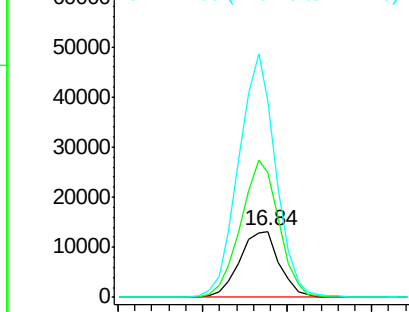
#66
4-Bromophenyl-phenylether
Concen: 6.644 ng
RT: 16.84 min Scan# 2306
Delta R.T. -0.43 min
Lab File: BG032425.D
Acq: 29 Jan 2018 21:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 21540
Ion Ratio Lower Upper
248 100
250 187.9 77.1 115.7#
141 296.8 50.8 76.2#

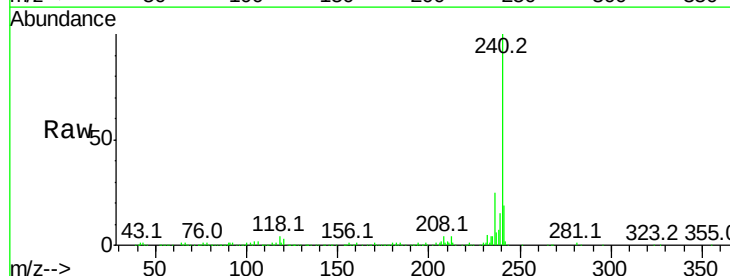


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

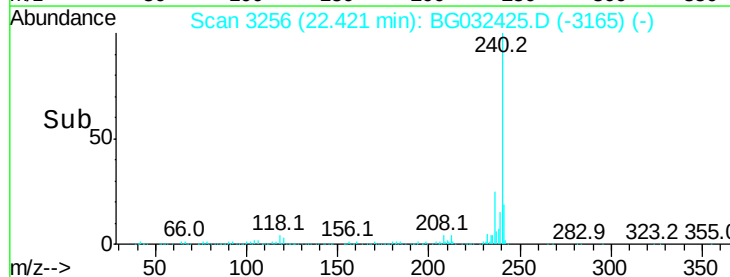
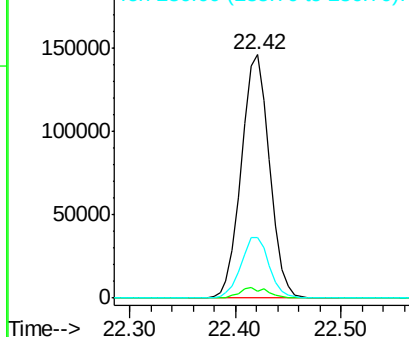


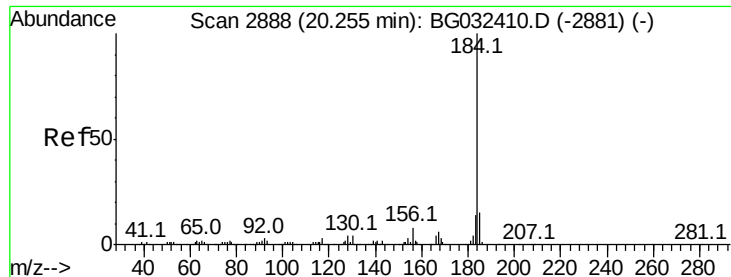
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. 0.00 min
Lab File: BG032425.D
Acq: 29 Jan 2018 21:49

Tgt Ion:240 Resp: 270189
Ion Ratio Lower Upper
240 100
120 3.1 6.8 10.2#
236 24.9 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: 3.355 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032425.D

Acq: 29 Jan 2018 21:49

Instrument :

BNA_G

ClientSampleId :

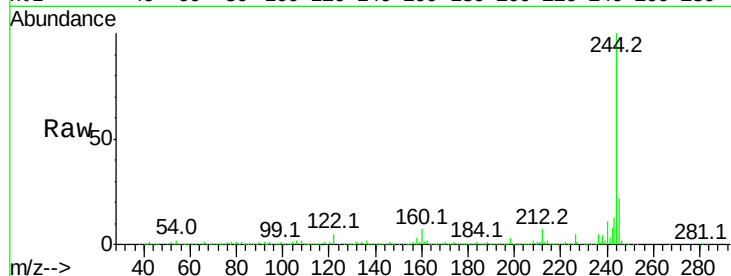
Tot Ion:184 Resp: 17802

Ion Ratio Lower Upper

184 100

185 22.3 11.1 16.7#

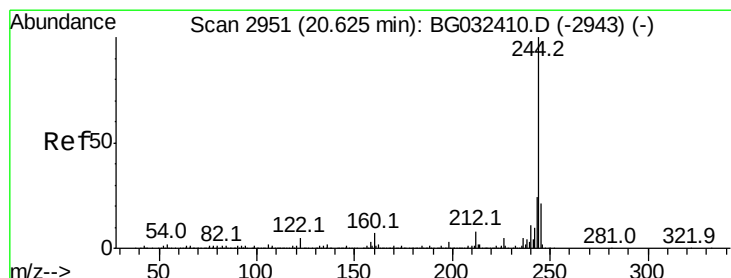
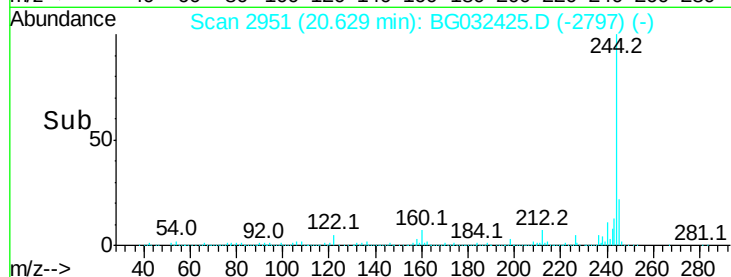
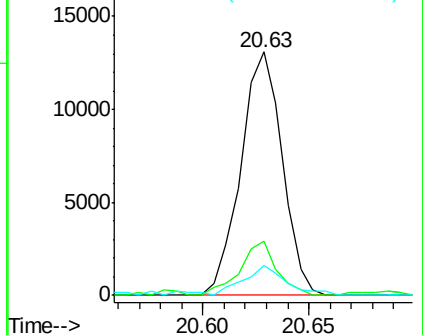
183 12.1 10.6 16.0



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: 95.448 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.00 min

Lab File: BG032425.D

Acq: 29 Jan 2018 21:49

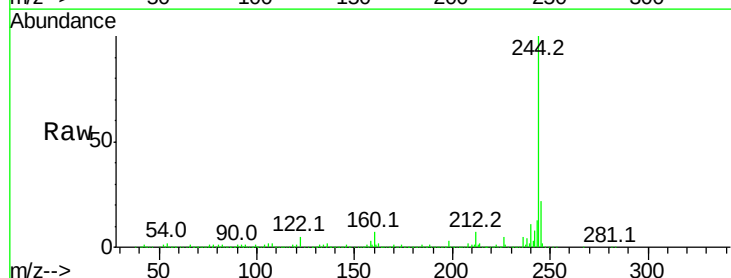
Tgt Ion:244 Resp: 1203927

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

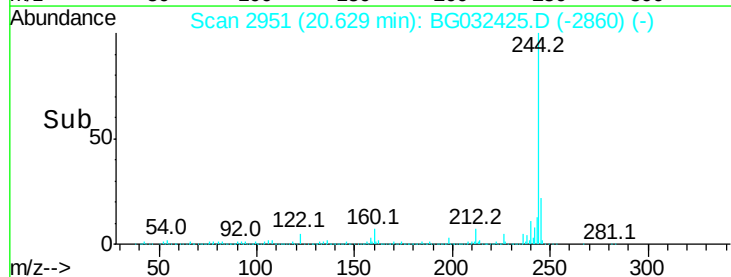
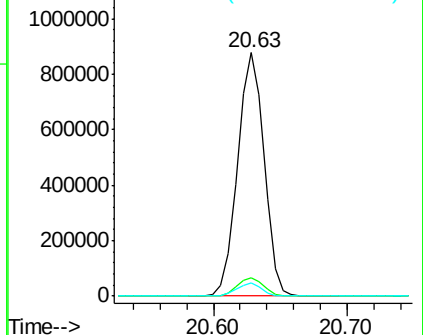
122 5.2 7.0 10.4#

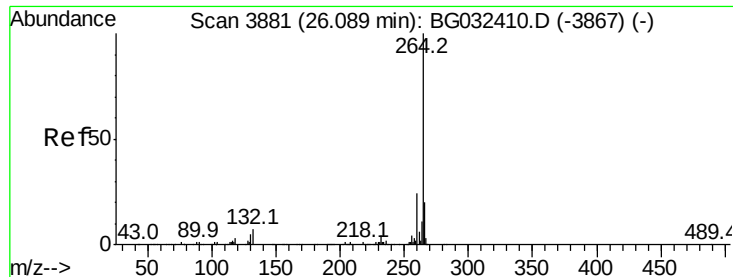


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.10 min Scan# 3882
Delta R.T. 0.01 min
Lab File: BG032425.D
Acq: 29 Jan 2018 21:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.4	17.4	26.0
265	20.1	17.7	26.5

