

Data Path : U:\HPCHEM1\BNA G\DATA\BG012918\
 Data File : BG032434.D
 Acq On : 30 Jan 2018 5:56
 Operator : SJ/JU
 Sample : J1305-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 30 07:36:14 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	25375	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	109088	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	81922	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	229465	20.00	ng	0.00
75) Chrysene-d12	22.42	240	281554	20.00	ng	0.00
86) Perylene-d12	26.10	264	301428	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	183203	145.01	ng	0.00
7) Phenol-d6	7.84	99	219091	129.96	ng	0.00
23) Nitrobenzene-d5	9.92	82	156435	89.57	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	209383	134.27	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	592274	85.93	ng	0.00
78) Terphenyl-d14	20.63	244	1228309	93.45	ng	0.00

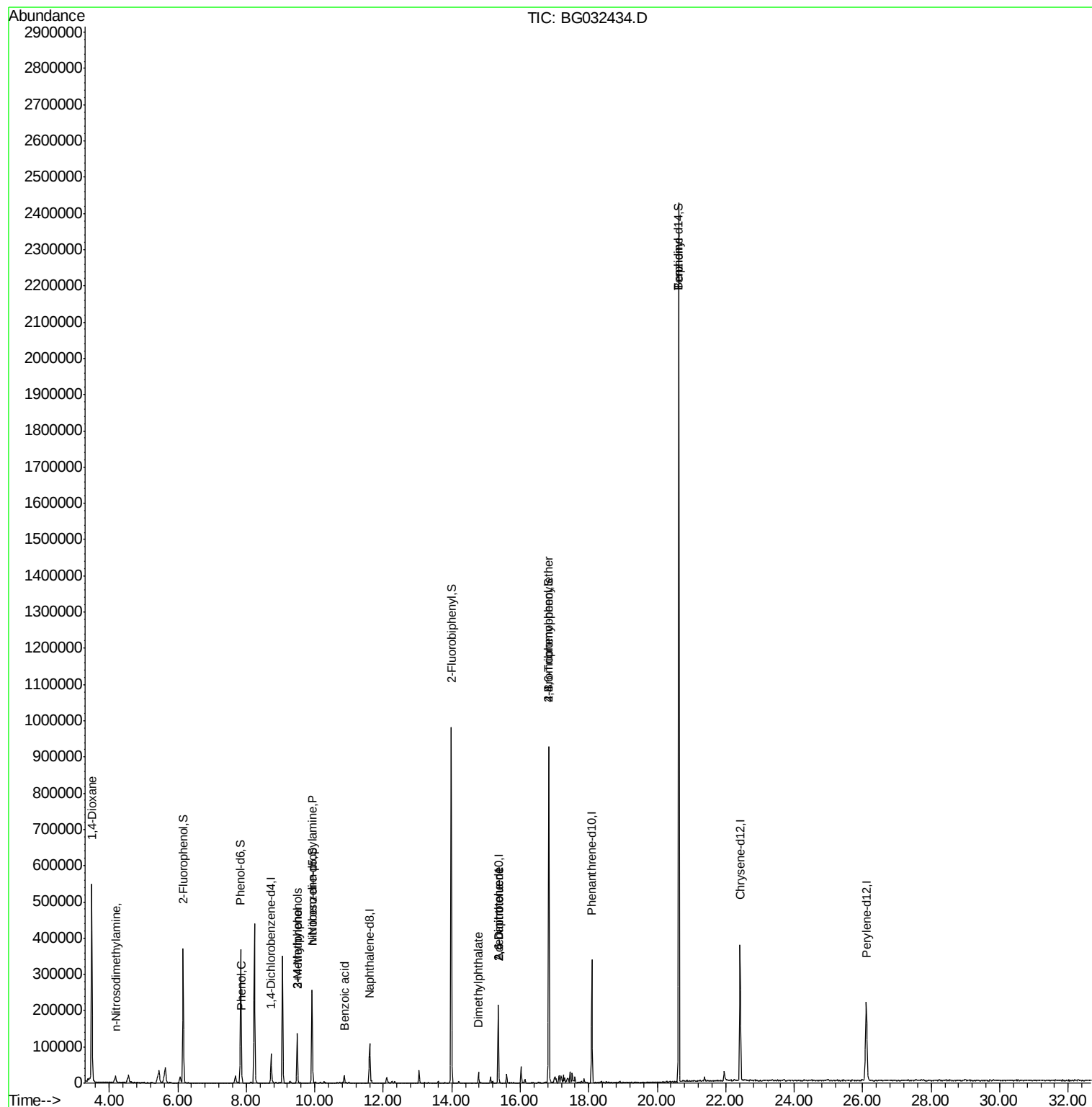
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	5613	13.205	ng	# 1
4) n-Nitrosodimethylamine	4.19	42	1961	3.282	ng	# 4
10) Phenol	7.87	94	6544	4.088	ng	# 80
17) 2-Methylphenol	9.49	107	64251	49.414	ng	# 68
19) n-Nitroso-di-n-propylamine	9.92	70	22828	20.423	ng	# 70
20) 3+4-Methylphenols	9.49	107	64251	35.228	ng	# 88
32) Benzoic acid	10.86	122	315	7.528	ng	# 81
49) Dimethylphthalate	14.78	163	23070	3.054	ng	# 95
50) 2,6-Dinitrotoluene	15.35	165	10500	6.623	ng	# 18
56) 2,4-Dinitrotoluene	15.35	165	10500	4.652	ng	# 16
66) 4-Bromophenyl-phenylether	16.83	248	17333	5.099	ng	# 1
76) Benzidine	20.63	184	17511	3.167	ng	# 95

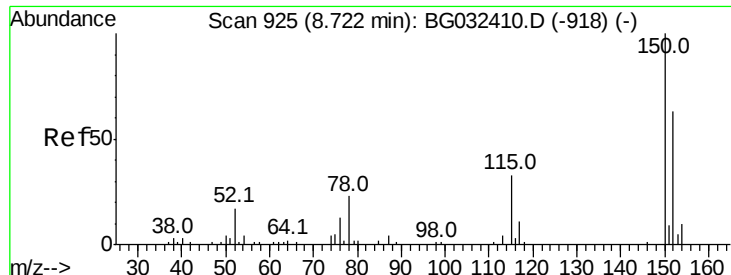
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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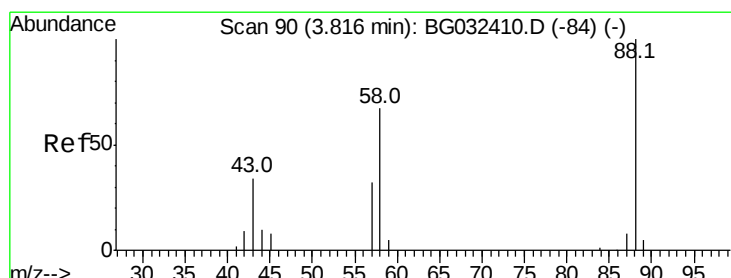
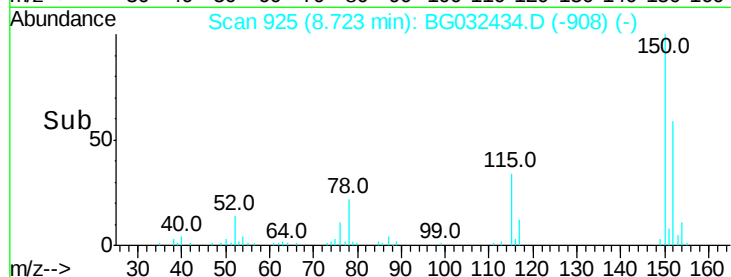
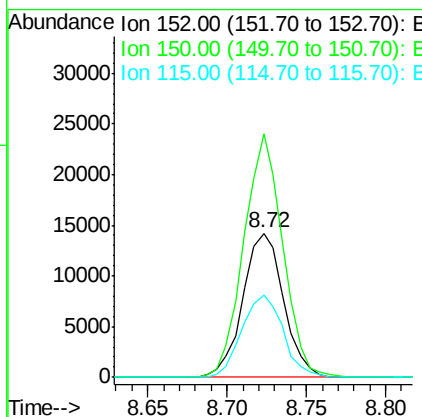
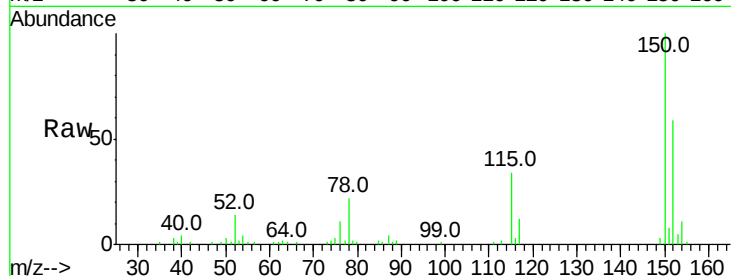


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG032434.D
Acq: 30 Jan 2018 5:56

Instrument :
BNA_G
ClientSampleId :

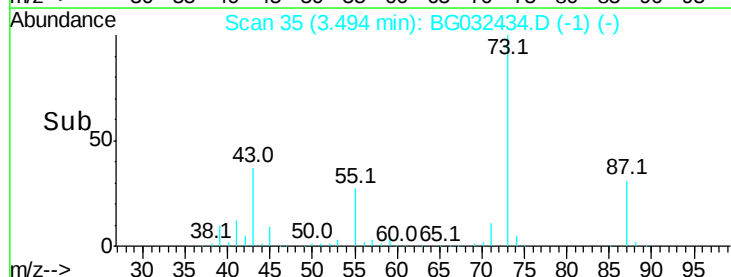
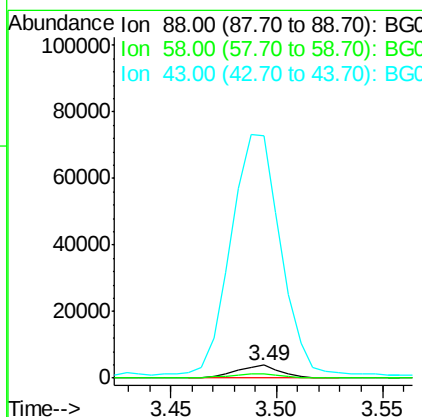
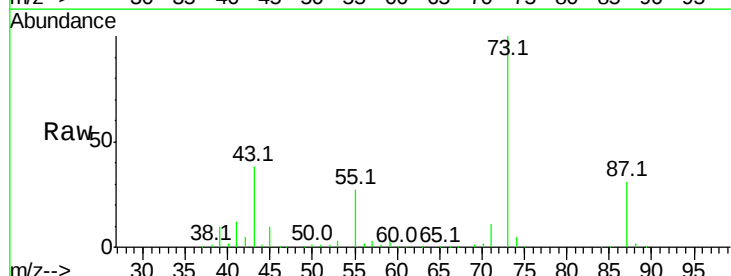
Tot Ion:152 Resp: 25375
Ion Ratio Lower Upper
152 100
150 168.7 126.6 189.8
115 56.9 53.0 79.4

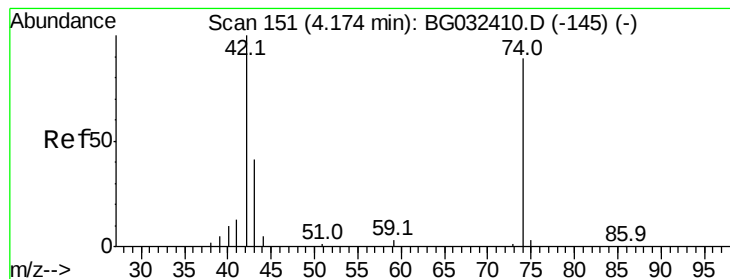


#2

1,4-Dioxane
Concen: 13.205 ng
RT: 3.49 min Scan# 35
Delta R.T. -0.32 min
Lab File: BG032434.D
Acq: 30 Jan 2018 5:56

Tgt Ion: 88 Resp: 5613
Ion Ratio Lower Upper
88 100
58 39.5 79.6 119.4#
43 2133.0 27.4 41.0#





#4

n-Nitrosodimethylamine

Concen: 3.282 ng

RT: 4.19 min Scan# 153

Delta R.T. 0.01 min

Lab File: BG032434.D

Acq: 30 Jan 2018 5:56

Instrument :

BNA_G

ClientSampled :

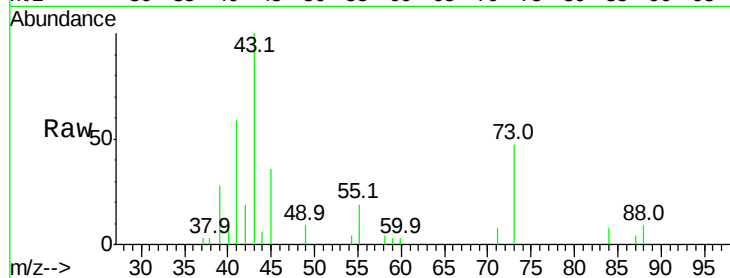
Tot Ion: 42 Resp: 1961

Ion Ratio Lower Upper

42 100

74 0.0 102.5 153.7#

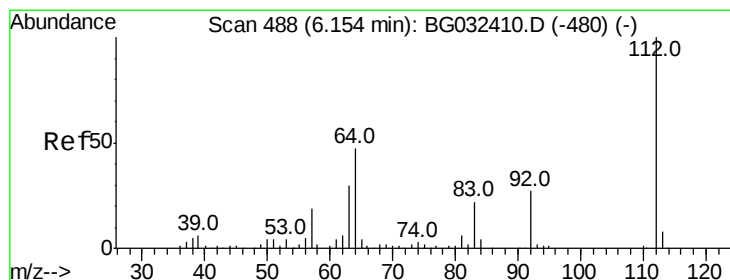
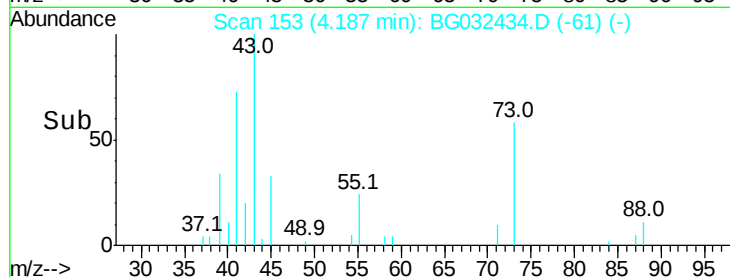
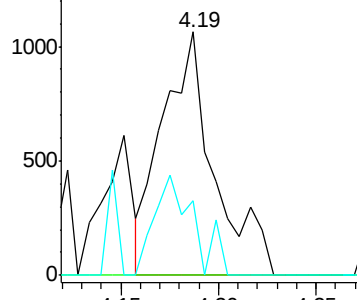
44 30.8 18.9 28.3#



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: 145.014 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032434.D

Acq: 30 Jan 2018 5:56

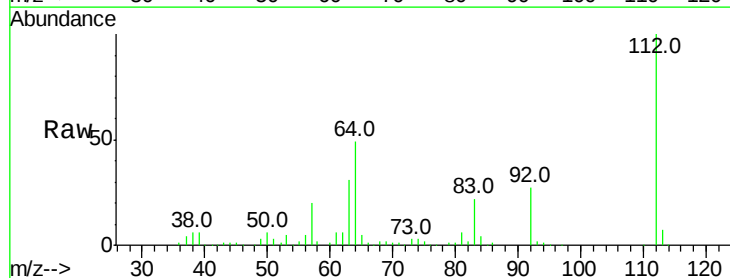
Tgt Ion: 112 Resp: 183203

Ion Ratio Lower Upper

112 100

64 49.1 56.3 84.5#

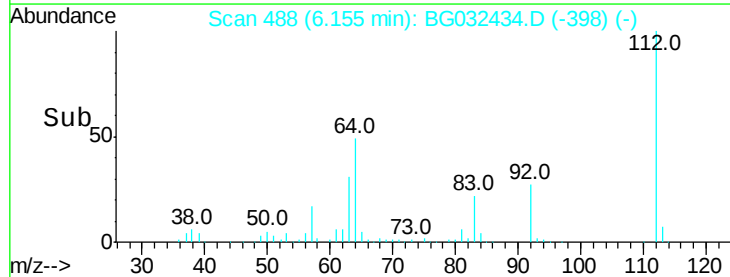
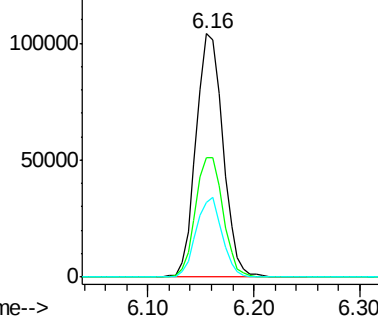
63 30.7 30.1 45.1

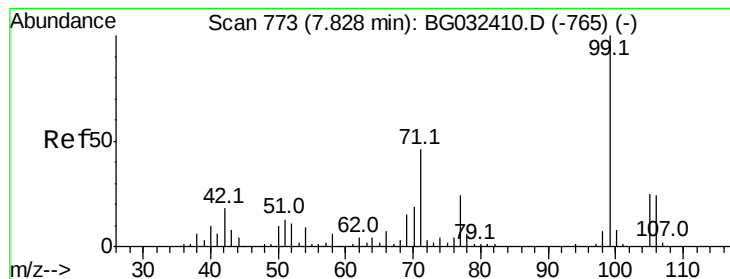


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 129.960 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032434.D

Acq: 30 Jan 2018 5:56

Instrument :

BNA_G

ClientSampleId :

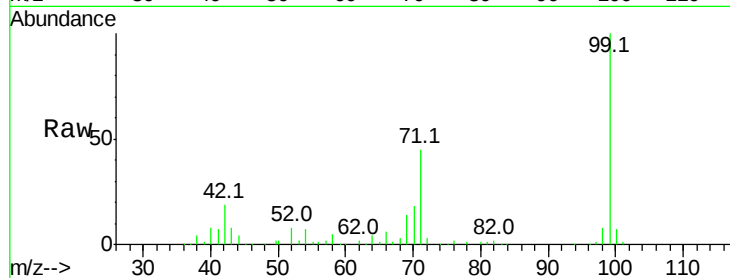
Tot Ion: 99 Resp: 219091

Ion Ratio Lower Upper

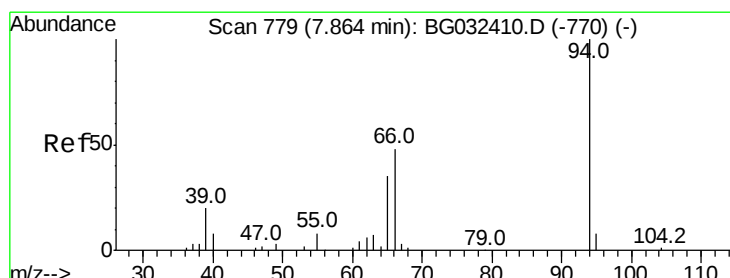
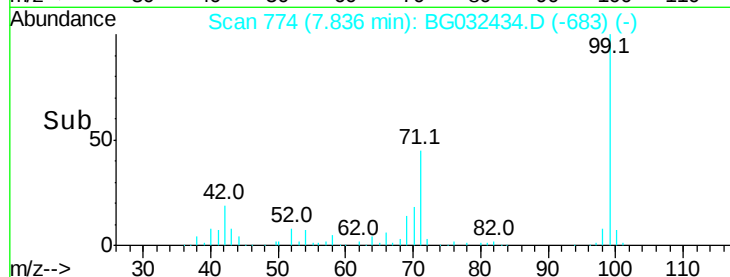
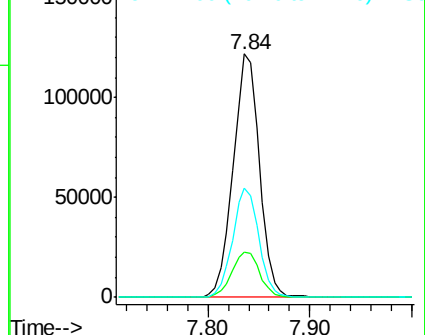
99 100

42 18.8 14.1 21.1

71 44.8 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



#10

Phenol

Concen: 4.088 ng

RT: 7.87 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG032434.D

Acq: 30 Jan 2018 5:56

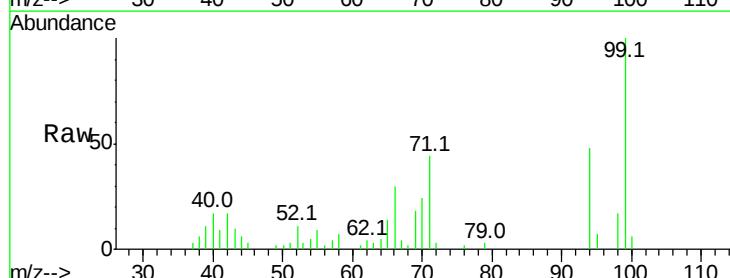
Tgt Ion: 94 Resp: 6544

Ion Ratio Lower Upper

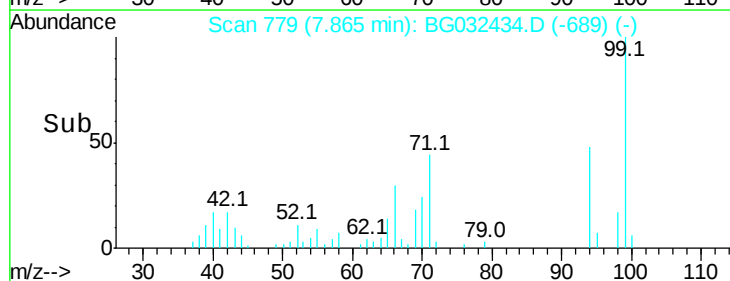
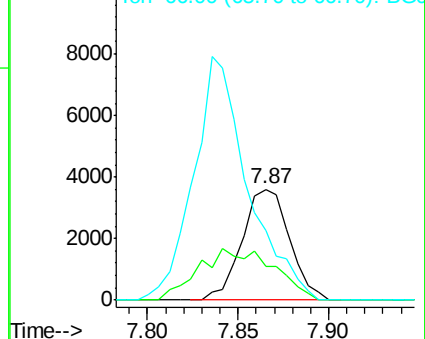
94 100

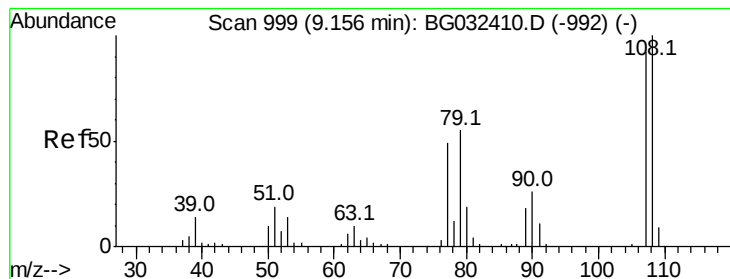
65 30.1 11.9 51.9

66 63.3 22.2 62.2#



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





#17

2-Methylphenol

Concen: 49.414 ng

RT: 9.49 min Scan# 1055

Delta R.T. 0.33 min

Lab File: BG032434.D

Acq: 30 Jan 2018 5:56

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 64251

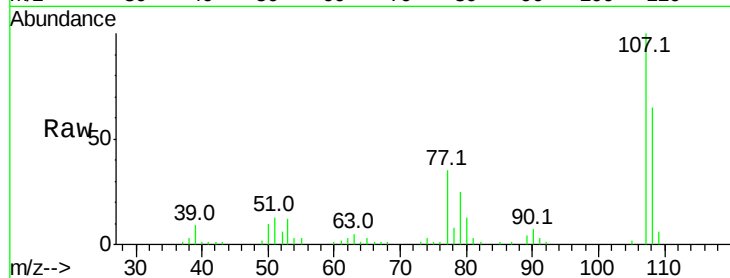
Ion Ratio Lower Upper

107 100

108 65.5 83.9 125.9#

77 35.3 37.2 55.8#

79 24.6 36.2 54.2#



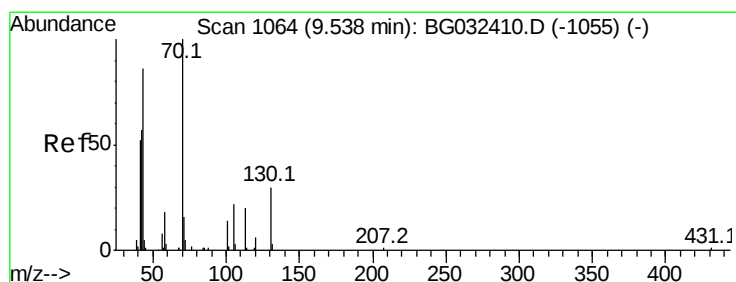
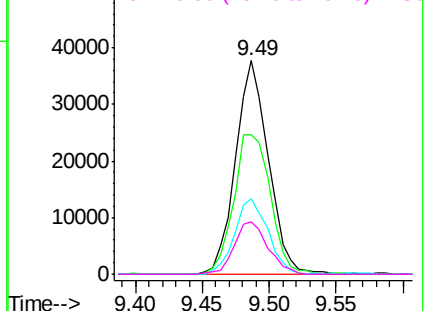
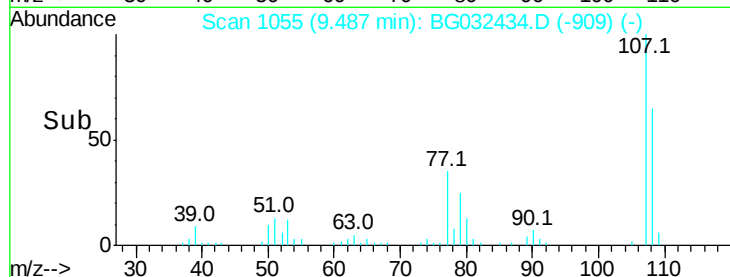
Abundance

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: 20.423 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032434.D

Acq: 30 Jan 2018 5:56

Tgt Ion: 70 Resp: 22828

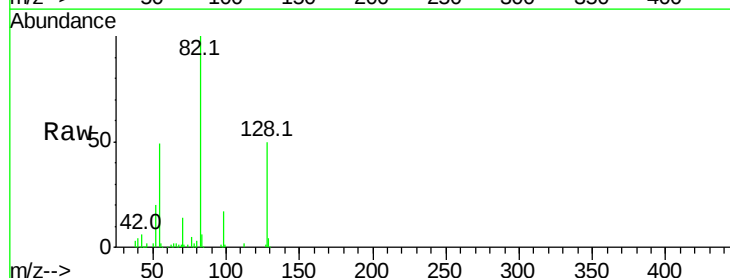
Ion Ratio Lower Upper

70 100

42 39.5 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#



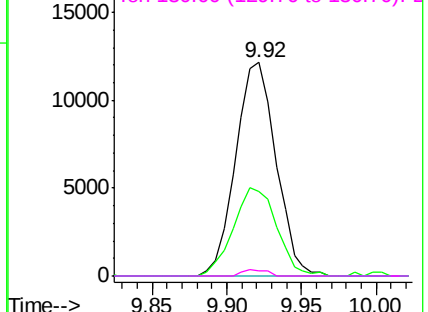
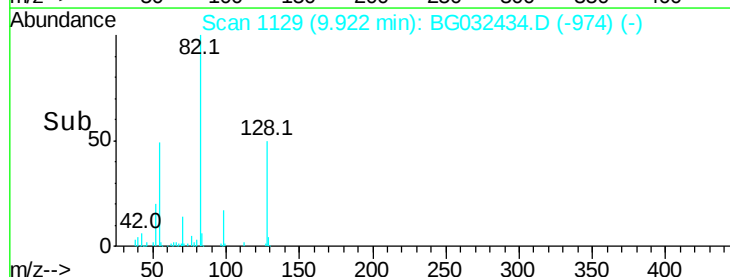
Abundance

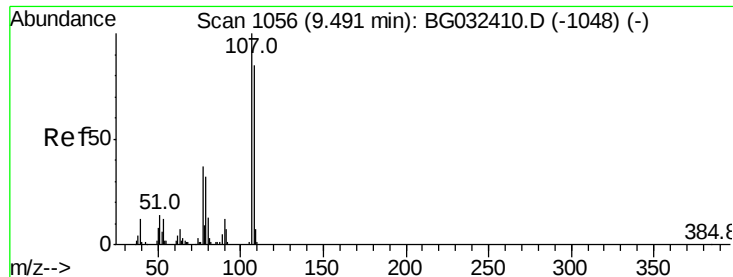
Ion 70.00 (69.70 to 70.70): BGC

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

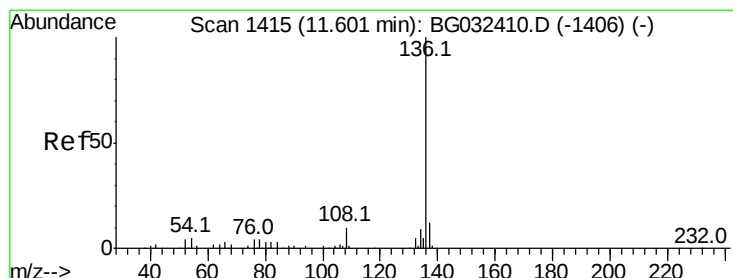
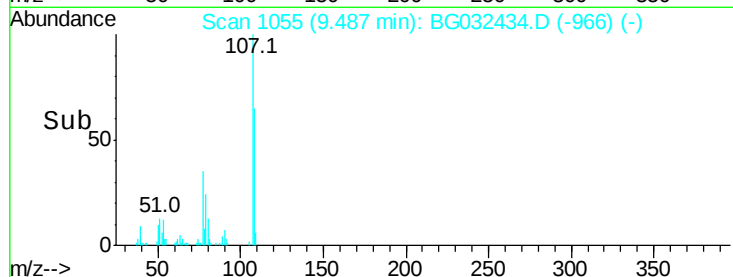
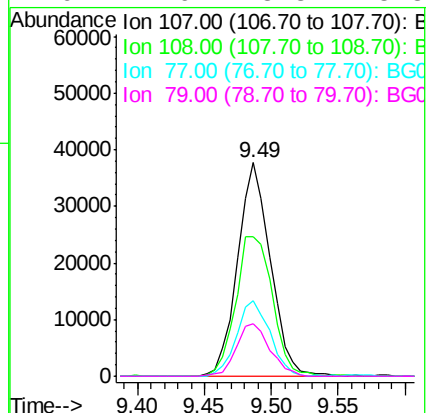
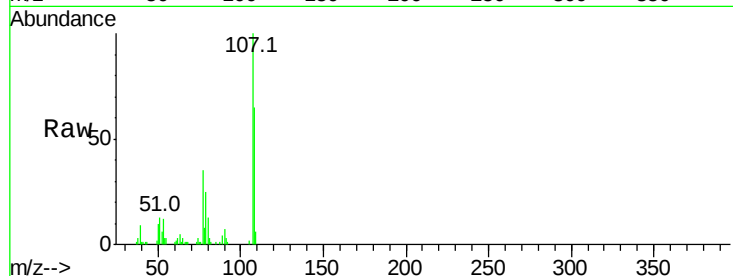




#20
3+4-Methylphenols
Concen: 35.228 ng
RT: 9.49 min Scan# 1055
Delta R.T. -0.00 min
Lab File: BG032434.D
Acq: 30 Jan 2018 5:56

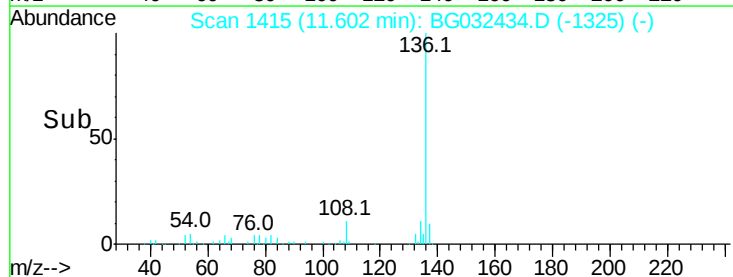
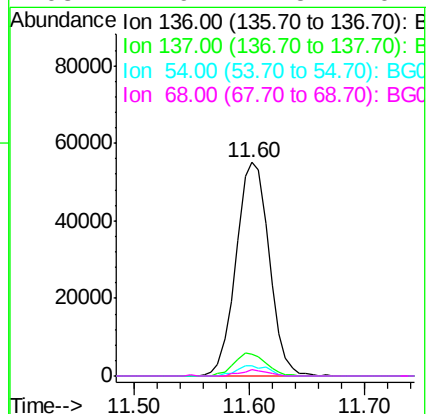
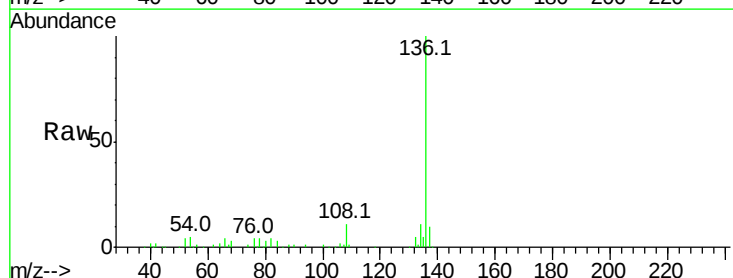
Instrument :
BNA_G
ClientSampleId :

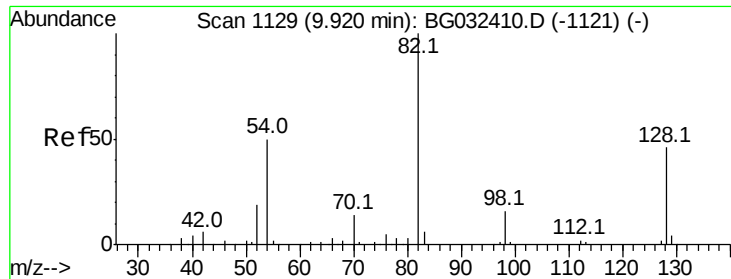
Tot Ion:107	Resp:	64251	
Ion Ratio	Lower	Upper	
107 100			
108 65.5	61.6	101.6	
77 35.3	13.9	53.9	
79 24.6	8.8	48.8	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BG032434.D
Acq: 30 Jan 2018 5:56

Tgt	Ion:136	Resp:	109088
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	4.7	10.3	15.5#
68	2.9	4.5	6.7#

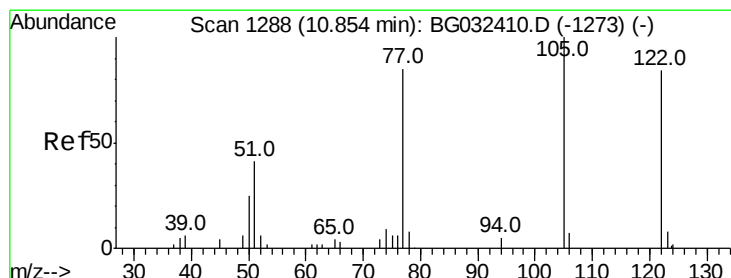
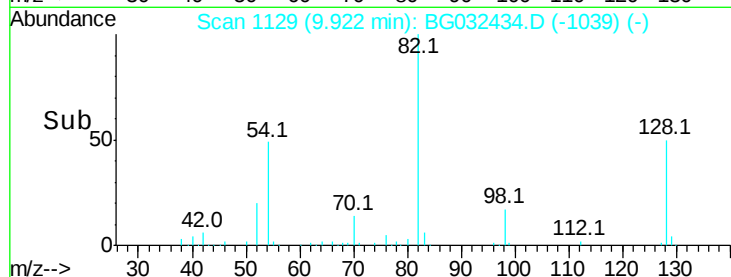
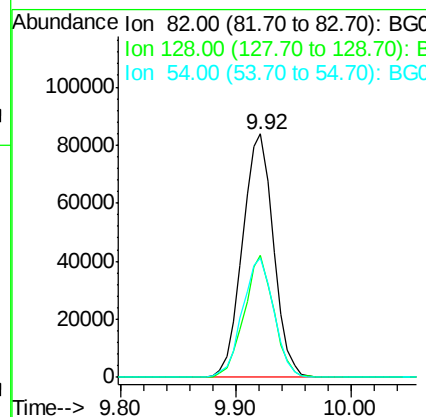
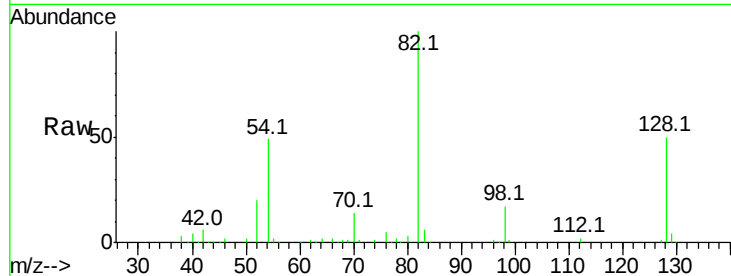




#23
 Nitrobenzene-d5
 Concen: 89.570 ng
 RT: 9.92 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: BG032434.D
 Acq: 30 Jan 2018 5:56

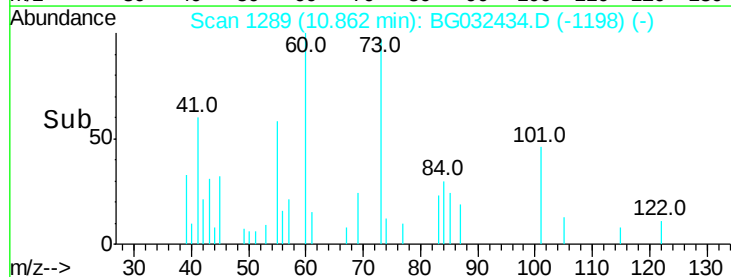
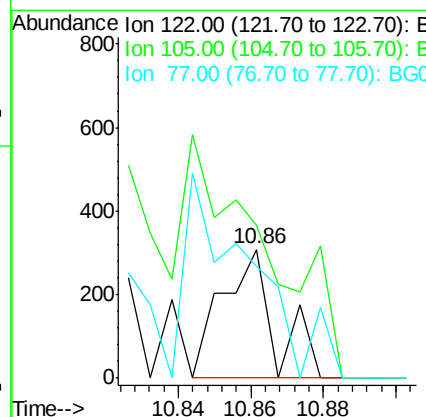
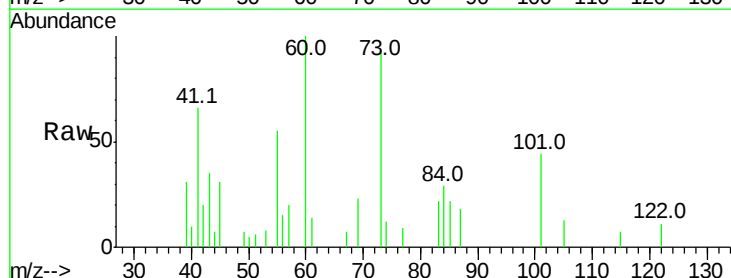
Instrument :
 BNA_G
 ClientSampleId :

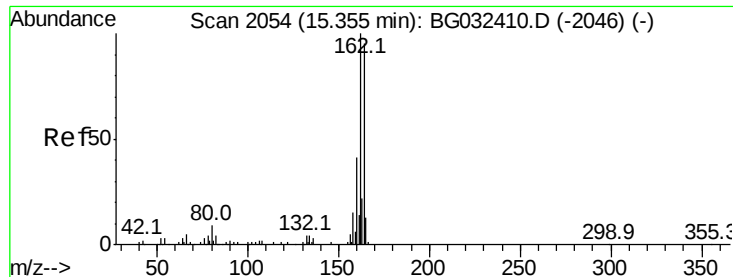
Tot Ion: 82 Resp: 156435
 Ion Ratio Lower Upper
 82 100
 128 50.1 29.7 44.5#
 54 48.8 43.1 64.7



#32
 Benzoic acid
 Concen: 7.528 ng
 RT: 10.86 min Scan# 1289
 Delta R.T. 0.01 min
 Lab File: BG032434.D
 Acq: 30 Jan 2018 5:56

Tgt Ion: 122 Resp: 315
 Ion Ratio Lower Upper
 122 100
 105 118.5 123.5 163.5#
 77 87.3 85.7 125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BG032434.D

Acq: 30 Jan 2018 5:56

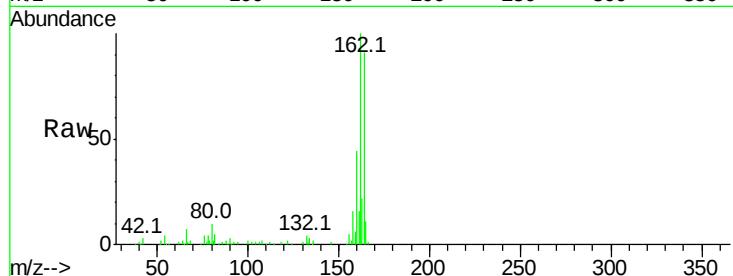
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 81922

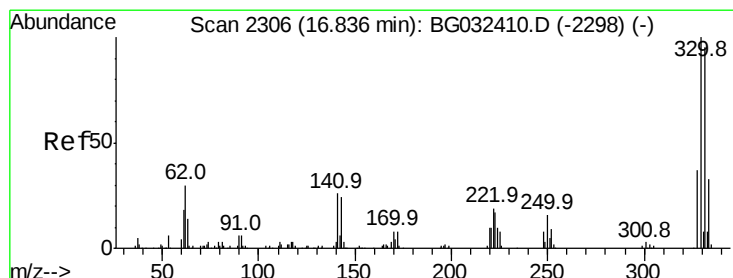
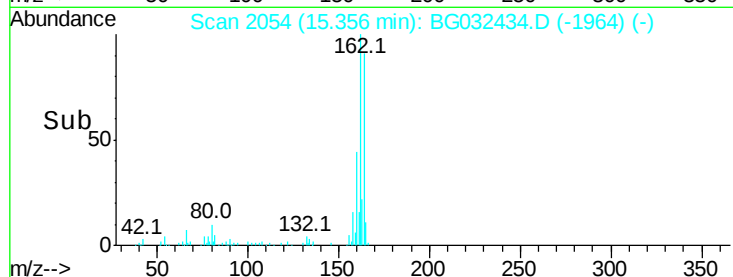
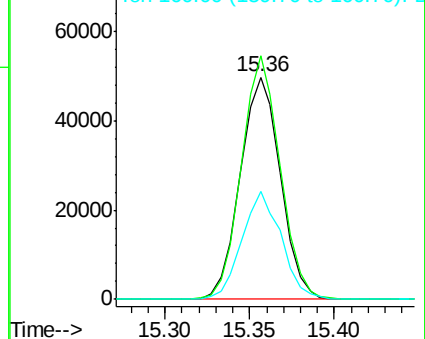
Ion	Ratio	Lower	Upper
164	100		
162	109.5	78.8	118.2
160	48.5	35.4	53.0



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: 134.273 ng

RT: 16.83 min Scan# 2305

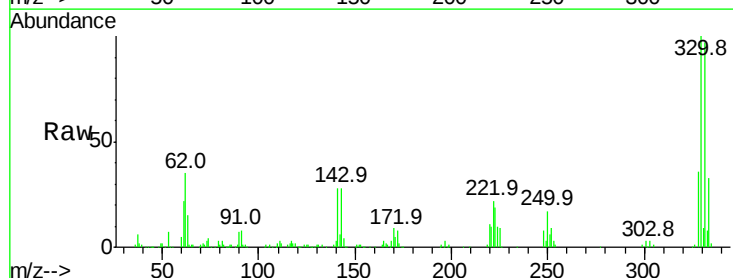
Delta R.T. -0.00 min

Lab File: BG032434.D

Acq: 30 Jan 2018 5:56

Tgt Ion:330 Resp: 209383

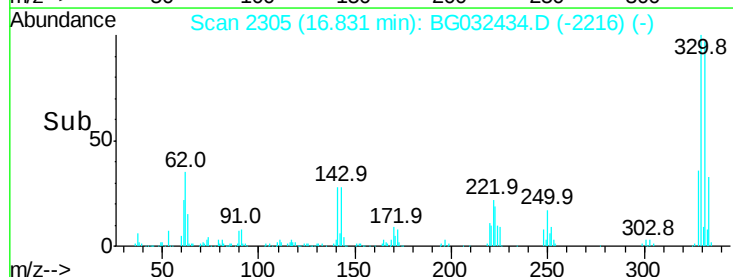
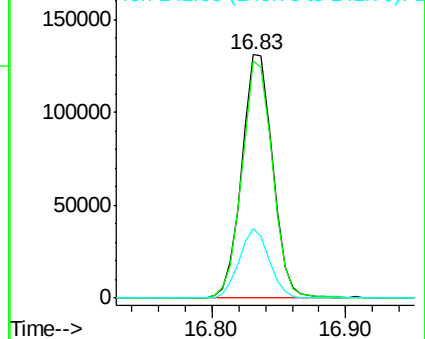
Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	27.9	25.2	37.8

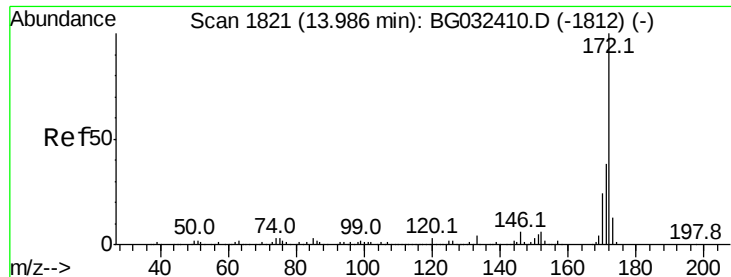


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

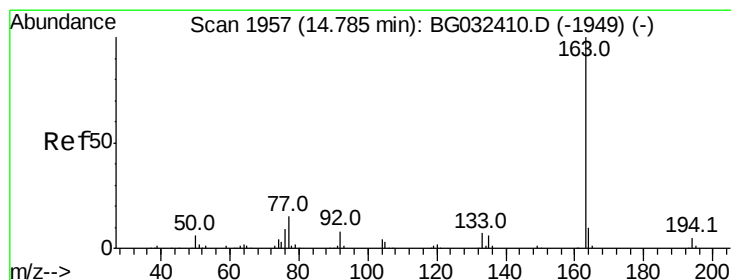
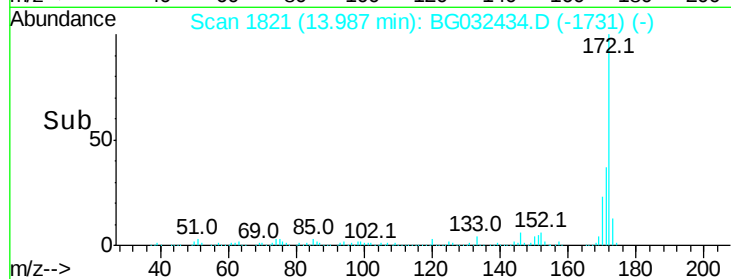
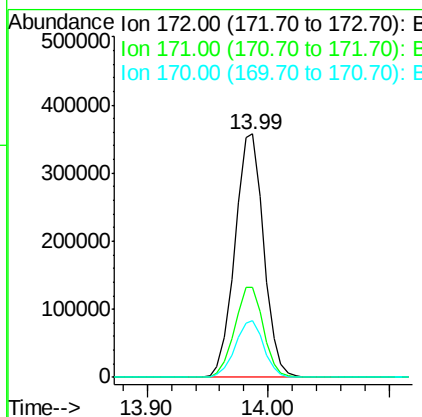
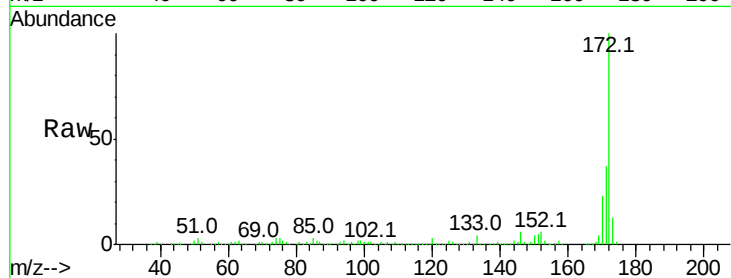




#44
2-Fluorobiphenyl
Concen: 85.930 ng
RT: 13.99 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BG032434.D
Acq: 30 Jan 2018 5:56

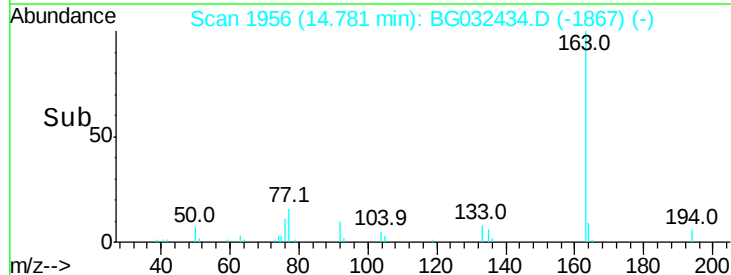
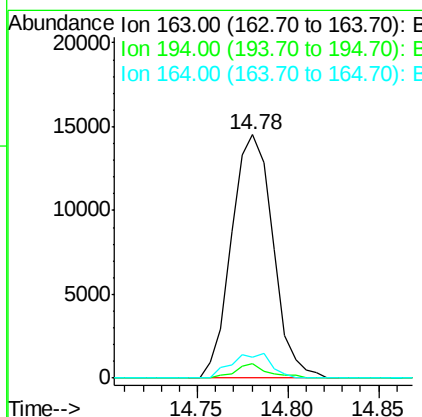
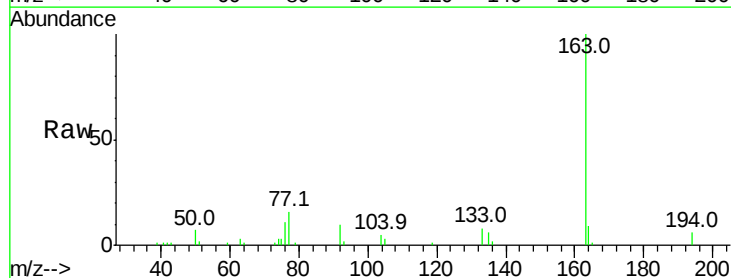
Instrument :
BNA_G
ClientSampled :

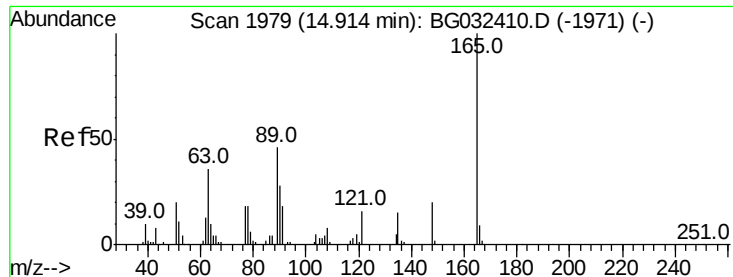
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.0	45.0
170	23.2	19.5	29.3



#49
Dimethylphthalate
Concen: 3.054 ng
RT: 14.78 min Scan# 1956
Delta R.T. -0.00 min
Lab File: BG032434.D
Acq: 30 Jan 2018 5:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.0	3.4	5.2#
164	8.6	8.2	12.4

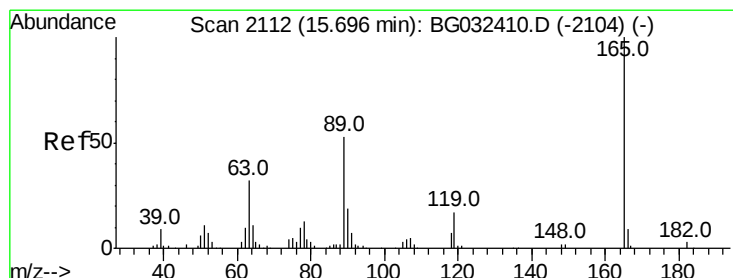
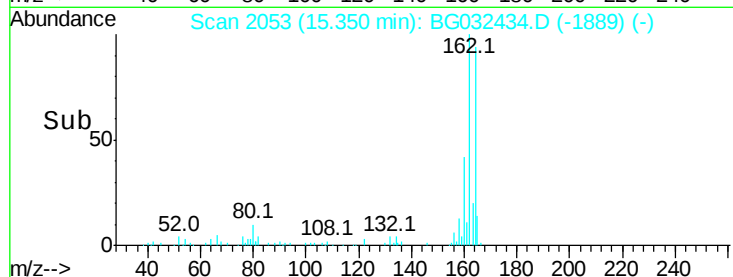
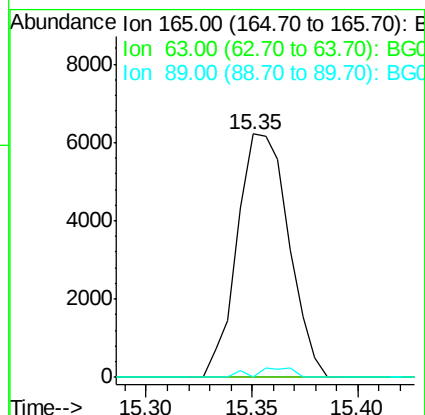
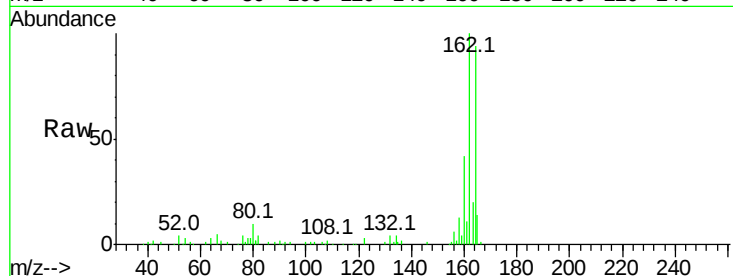




#50
2,6-Dinitrotoluene
Concen: 6.623 ng
RT: 15.35 min Scan# 2053
Delta R.T. 0.44 min
Lab File: BG032434.D
Acq: 30 Jan 2018 5:56

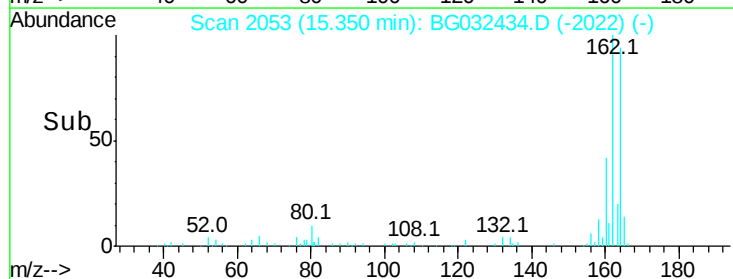
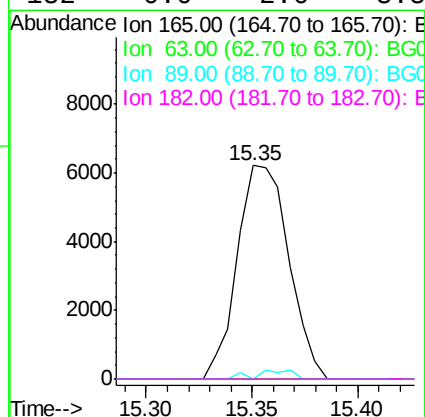
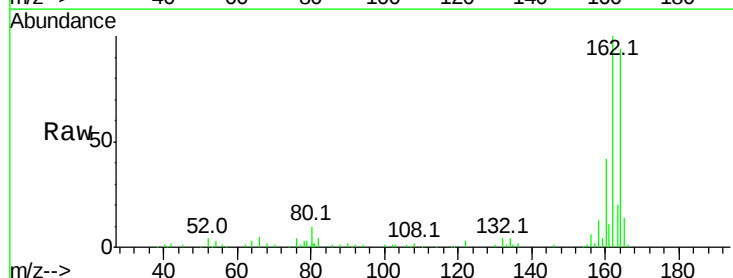
Instrument :
BNA_G
ClientSampleId :

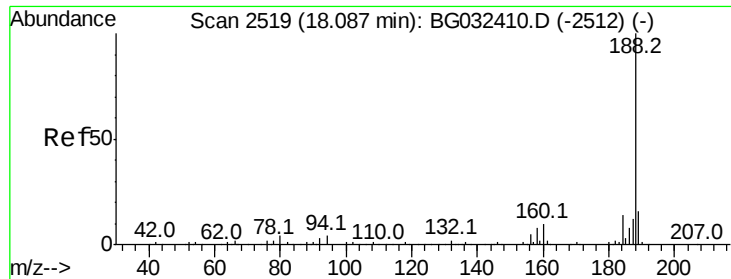
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 4.652 ng
RT: 15.35 min Scan# 2053
Delta R.T. -0.35 min
Lab File: BG032434.D
Acq: 30 Jan 2018 5:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	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: BG032434.D

Acq: 30 Jan 2018 5:56

Instrument :

BNA_G

ClientSampleId :

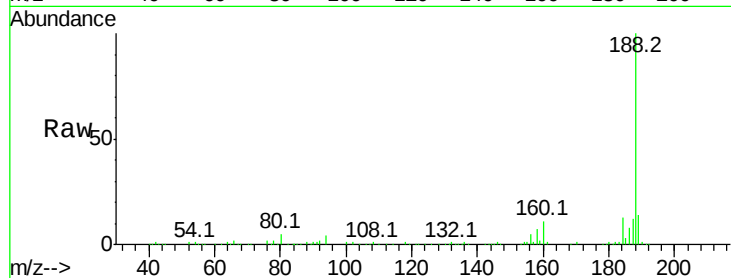
Tot Ion:188 Resp: 229465

Ion Ratio Lower Upper

188 100

94 4.1 6.9 10.3#

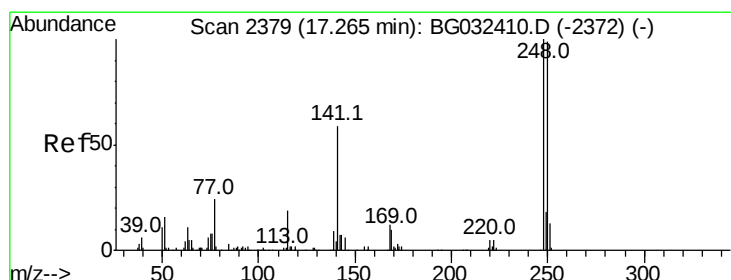
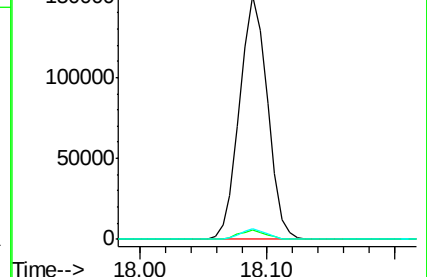
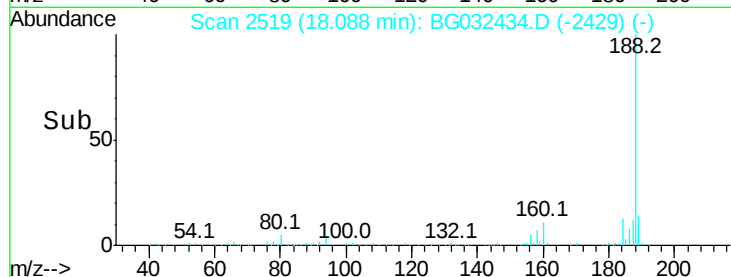
80 4.6 7.7 11.5#



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



#66

4-Bromophenyl-phenylether

Concen: 5.099 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.43 min

Lab File: BG032434.D

Acq: 30 Jan 2018 5:56

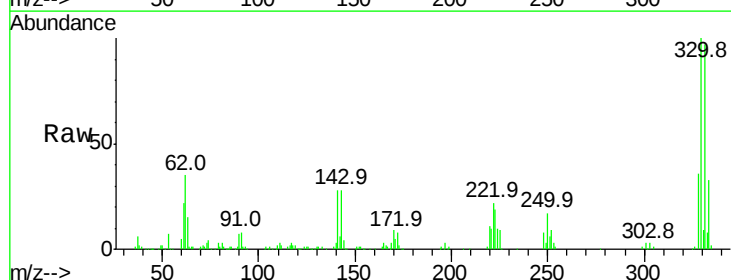
Tgt Ion:248 Resp: 17333

Ion Ratio Lower Upper

248 100

250 204.3 77.1 115.7#

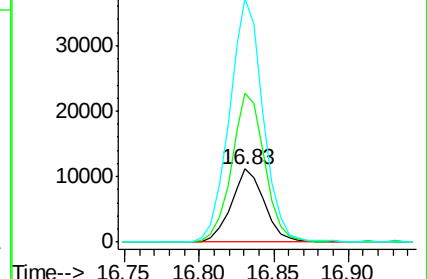
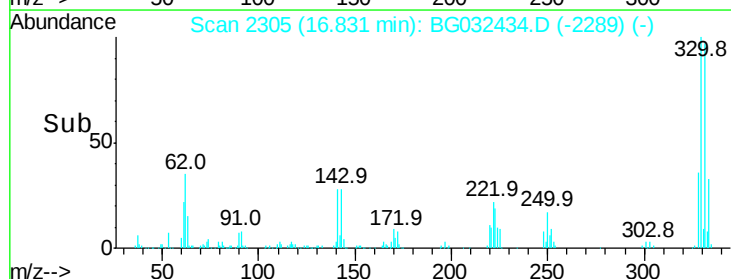
141 334.4 50.8 76.2#

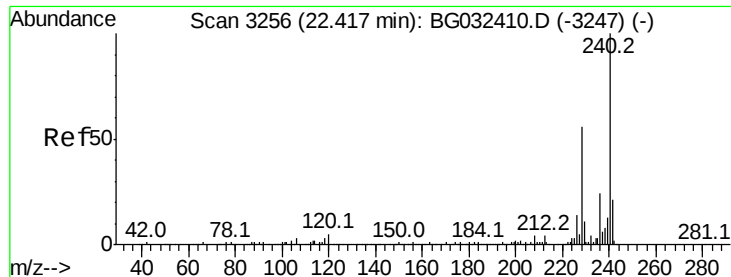


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG032434.D

Acq: 30 Jan 2018 5:56

Instrument :

BNA_G

ClientSampleId :

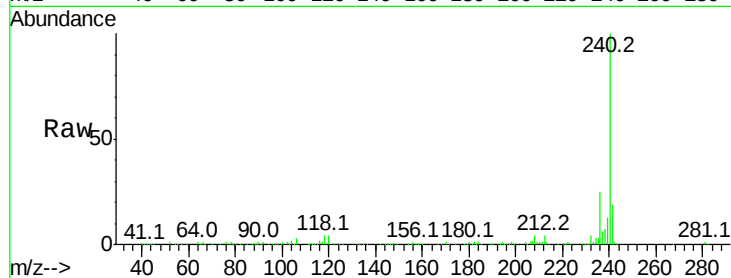
Tot Ion:240 Resp: 281554

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

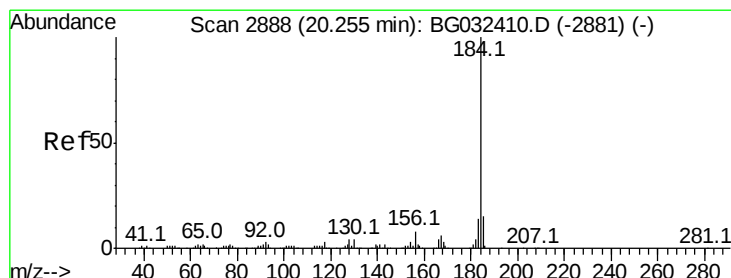
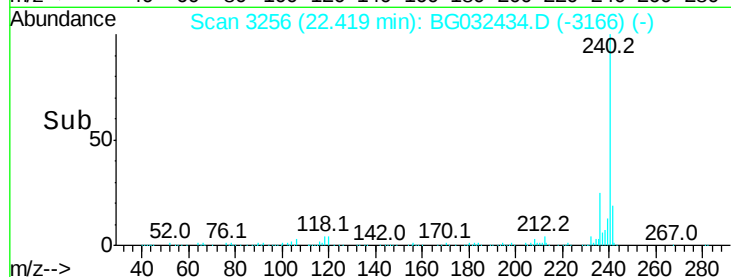
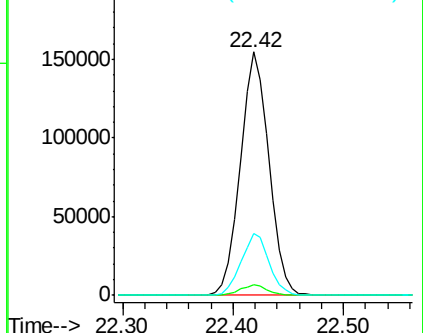
236 25.2 20.9 31.3



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: 3.167 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032434.D

Acq: 30 Jan 2018 5:56

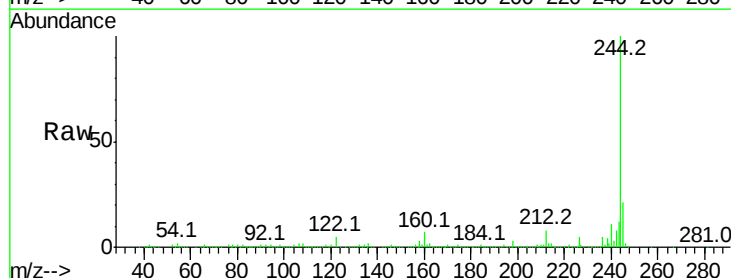
Tgt Ion:184 Resp: 17511

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

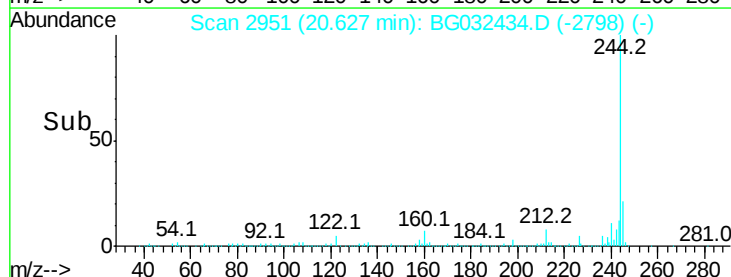
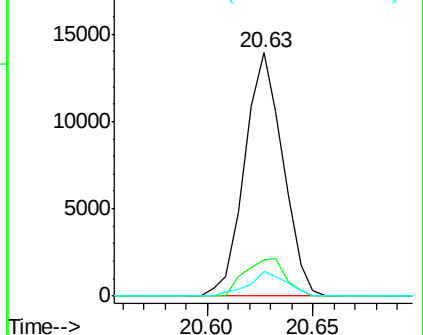
183 10.0 10.6 16.0#

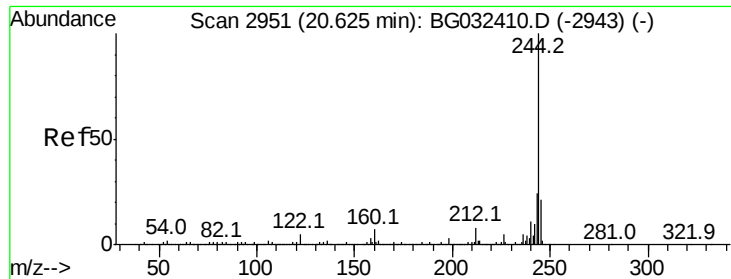


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.451 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.00 min

Lab File: BG032434.D

Acq: 30 Jan 2018 5:56

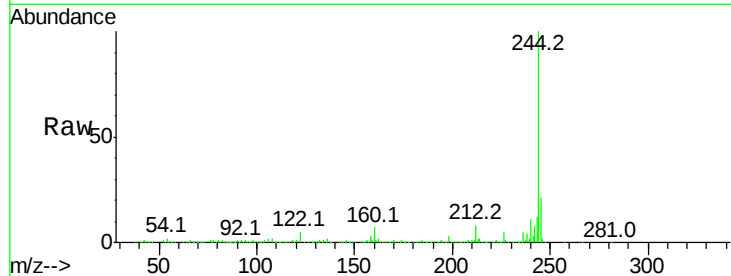
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1228309

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	5.4	7.0	10.4

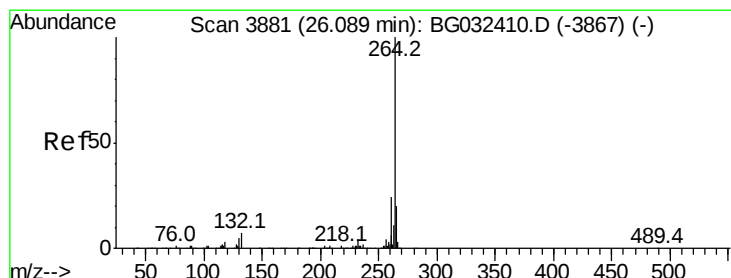
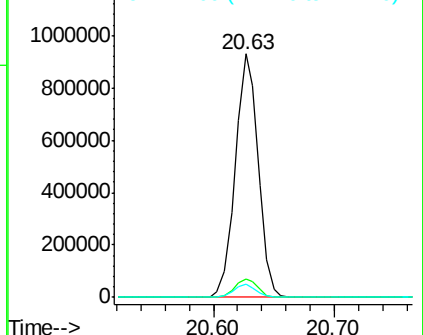
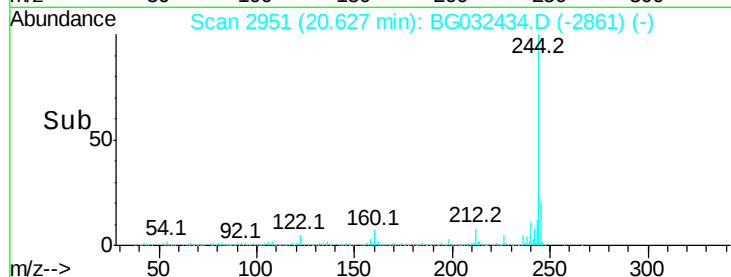


Abundance

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

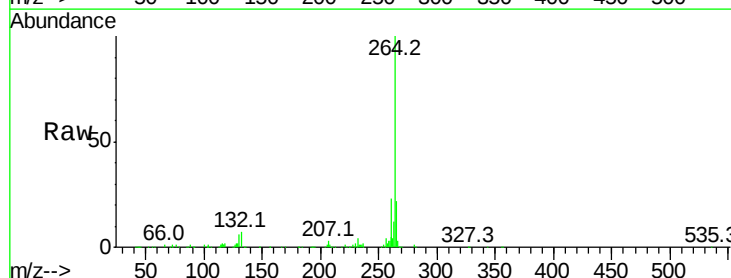
Delta R.T. 0.01 min

Lab File: BG032434.D

Acq: 30 Jan 2018 5:56

Tgt Ion:264 Resp: 301428

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	21.6	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

