

Data Path : U:\HPCHEM1\BNA G\DATA\BG013118\
 Data File : BG032464.D
 Acq On : 31 Jan 2018 14:13
 Operator : SJ/JU
 Sample : J1364-17
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 01 01:36:38 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

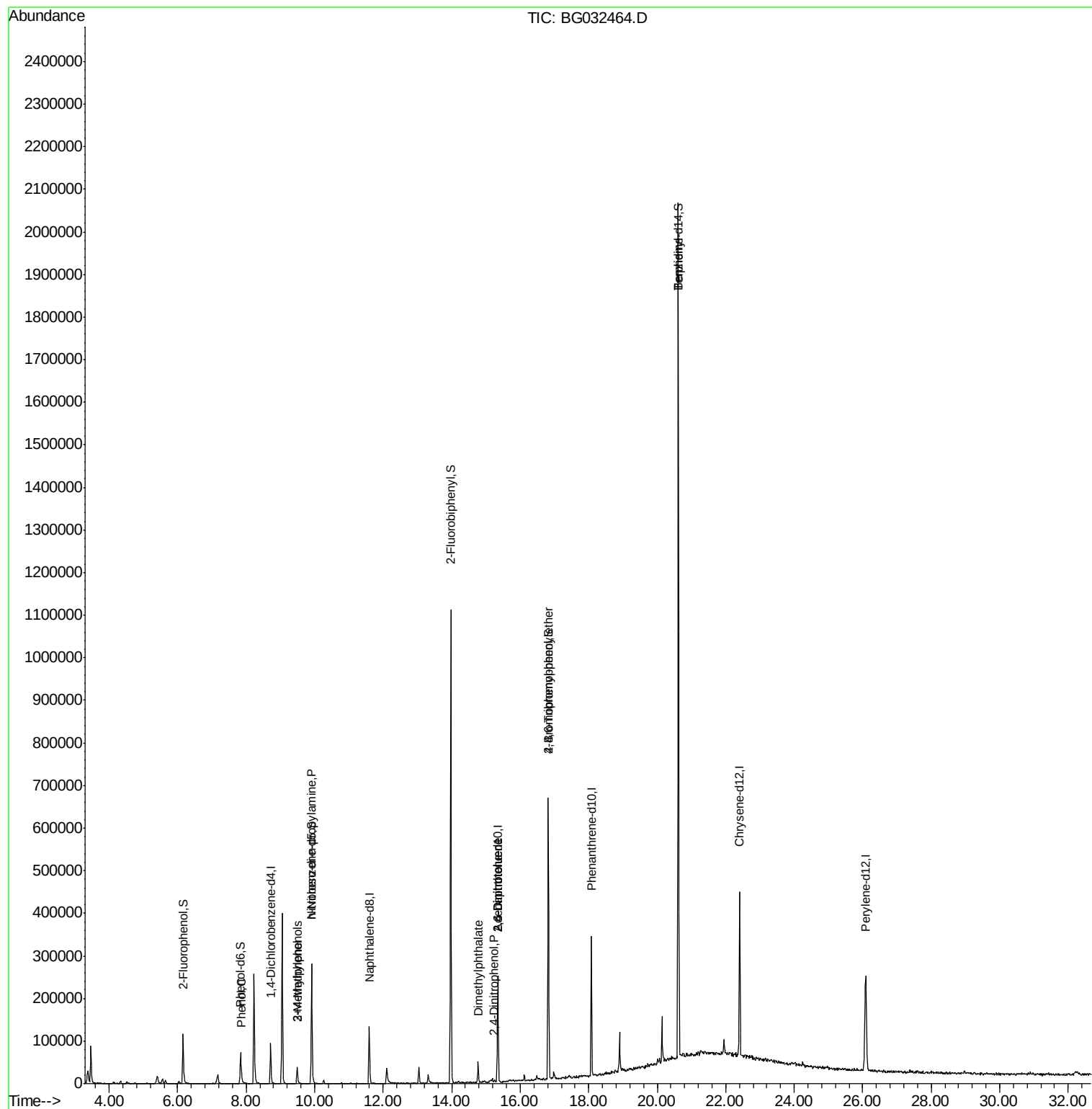
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	34504	20.00	ng	0.00
21) Naphthalene-d8	11.59	136	134208	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	93606	20.00	ng	0.00
63) Phenanthrene-d10	18.08	188	224927	20.00	ng	0.00
75) Chrysene-d12	22.41	240	281817	20.00	ng	0.00
86) Perylene-d12	26.09	264	311203	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	68920	40.12	ng	0.00
7) Phenol-d6	7.83	99	54483	23.77	ng	0.00
23) Nitrobenzene-d5	9.91	82	179747	83.65	ng	0.00
41) 2,4,6-Tribromophenol	16.82	330	151255	84.89	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	651950	82.78	ng	-0.01
78) Terphenyl-d14	20.62	244	1055749	80.25	ng	0.00
Target Compounds						
10) Phenol	7.87	94	6067	2.787	ng	81
17) 2-Methylphenol	9.49	107	24105	13.634	ng	# 80
19) n-Nitroso-di-n-propylamine	9.91	70	26513	17.444	ng	# 74
20) 3+4-Methylphenols	9.49	107	24105	9.720	ng	97
49) Dimethylphthalate	14.77	163	38295	4.437	ng	# 97
50) 2,6-Dinitrotoluene	15.35	165	12606	6.959	ng	# 21
53) 2,4-Dinitrophenol	15.23	184	68	4.161	ng	# 1
56) 2,4-Dinitrotoluene	15.35	165	12606	4.887	ng	# 19
66) 4-Bromophenyl-phenylether	16.82	248	11666	3.501	ng	# 1
76) Benzidine	20.62	184	17081	3.087	ng	# 89

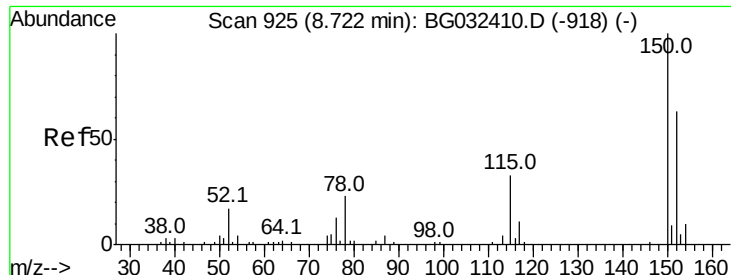
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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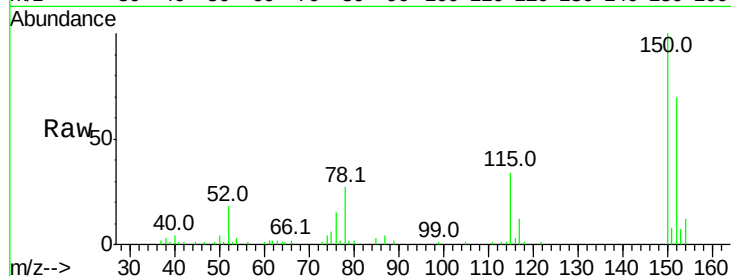


#1

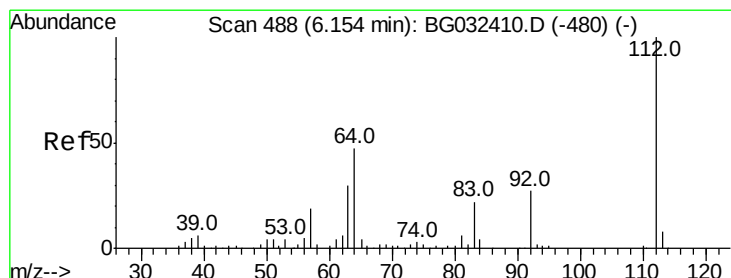
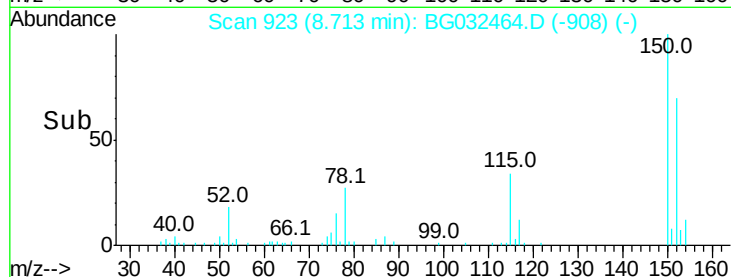
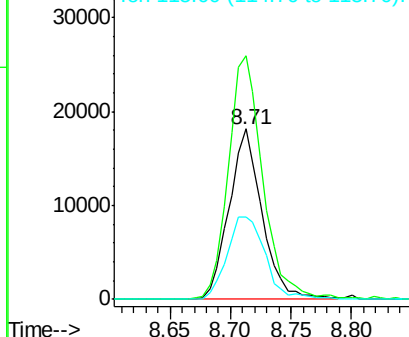
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.71 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BG032464.D
 Acq: 31 Jan 2018 14:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 34504
 Ion Ratio Lower Upper
 152 100
 150 142.9 126.6 189.8
 115 48.6 53.0 79.4#



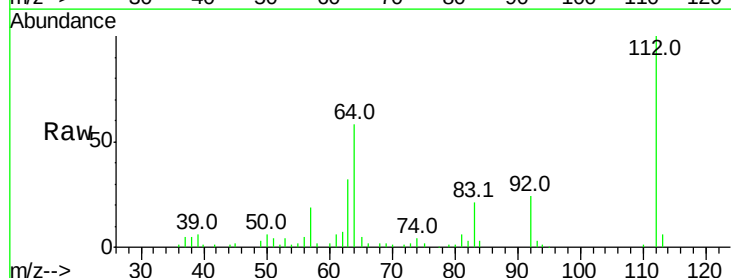
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



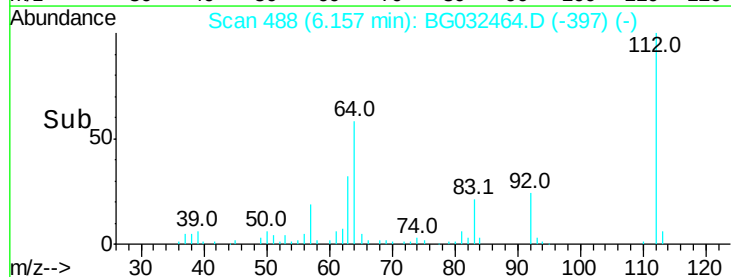
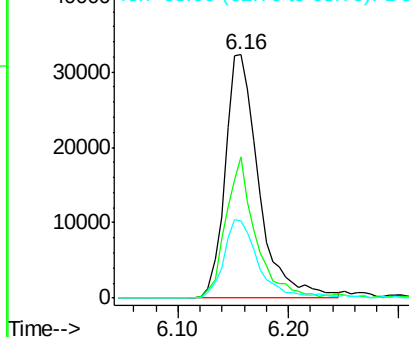
#5

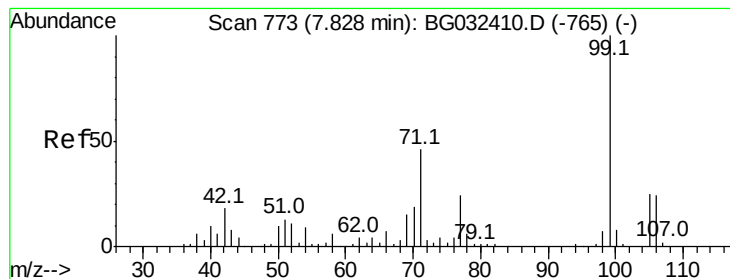
2-Fluorophenol
 Concen: 40.120 ng
 RT: 6.16 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: BG032464.D
 Acq: 31 Jan 2018 14:13

Tgt Ion:112 Resp: 68920
 Ion Ratio Lower Upper
 112 100
 64 58.2 56.3 84.5
 63 31.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG0
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 23.768 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032464.D

Acq: 31 Jan 2018 14:13

Instrument :

BNA_G

ClientSampleId :

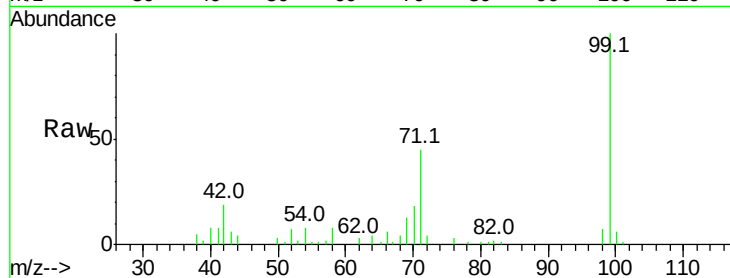
Tot Ion: 99 Resp: 54483

Ion Ratio Lower Upper

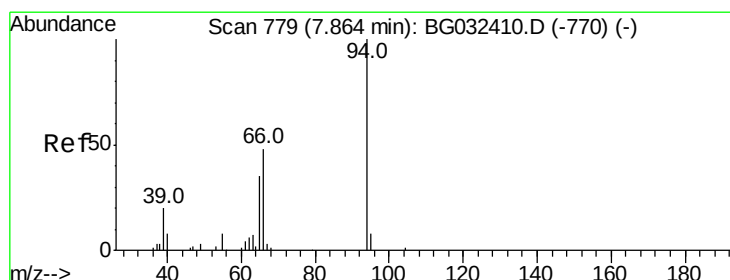
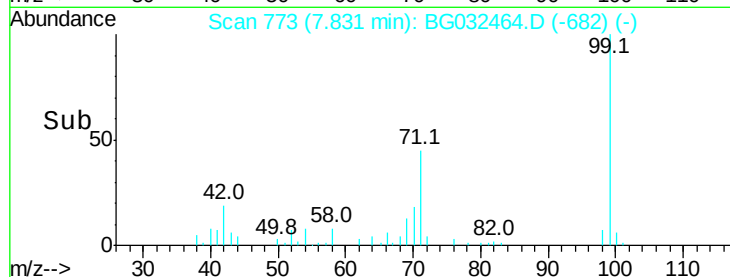
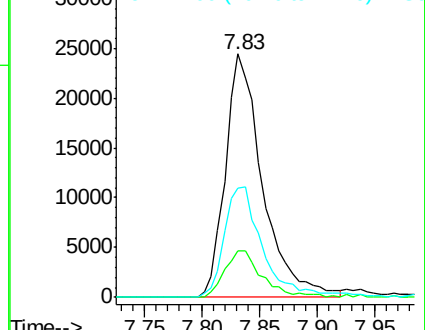
99 100

42 19.3 14.1 21.1

71 44.9 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: 2.787 ng

RT: 7.87 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG032464.D

Acq: 31 Jan 2018 14:13

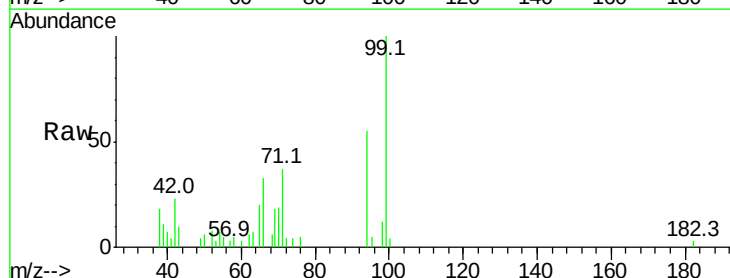
Tgt Ion: 94 Resp: 6067

Ion Ratio Lower Upper

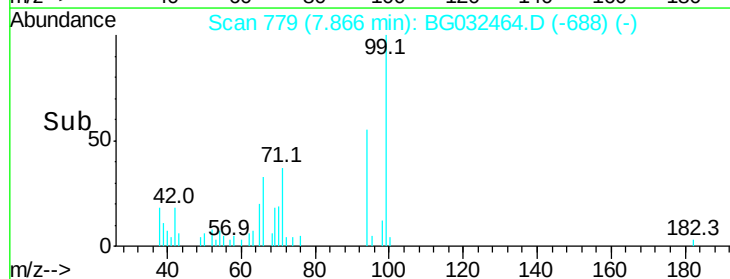
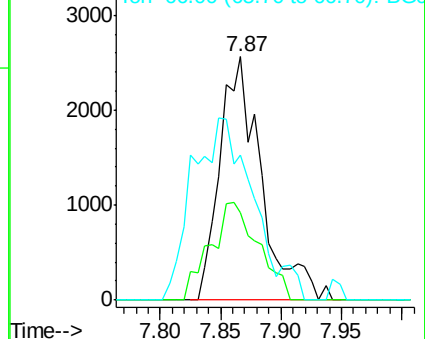
94 100

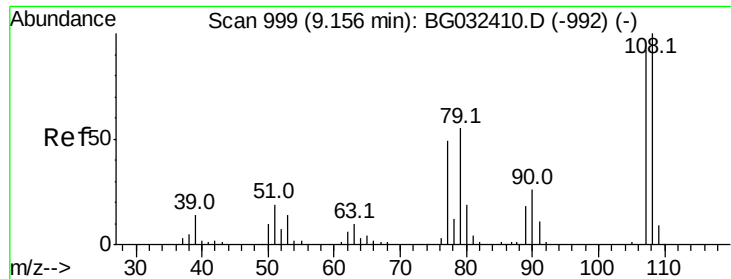
65 36.0 11.9 51.9

66 59.8 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

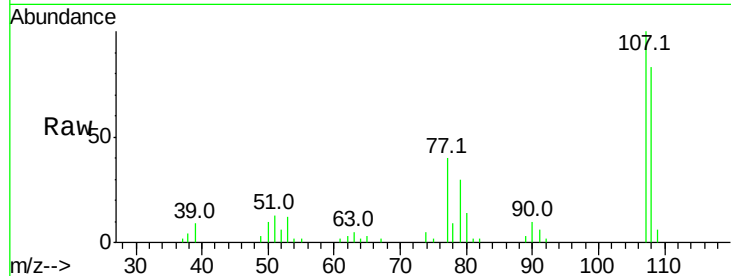




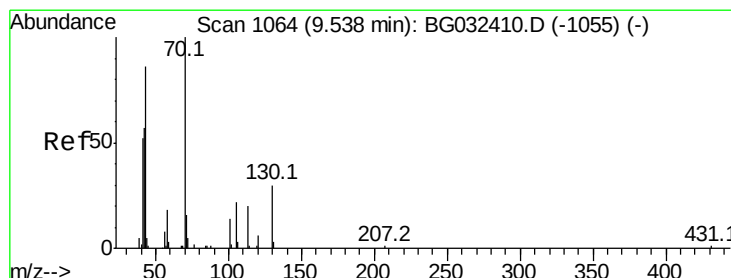
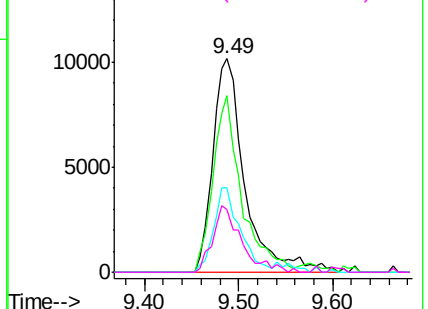
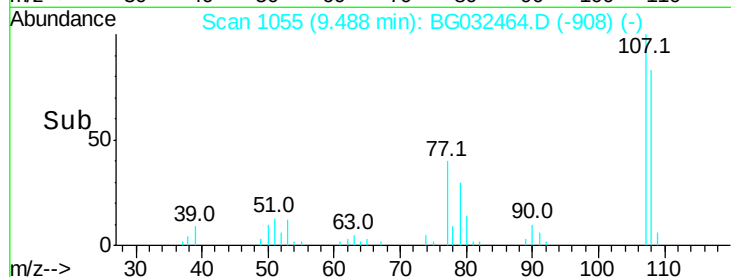
#17
2-Methylphenol
Concen: 13.634 ng
RT: 9.49 min Scan# 1055
Delta R.T. 0.33 min
Lab File: BG032464.D
Acq: 31 Jan 2018 14:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:107 Resp: 24105
Ion Ratio Lower Upper
107 100
108 82.7 83.9 125.9#
77 39.6 37.2 55.8
79 29.5 36.2 54.2#

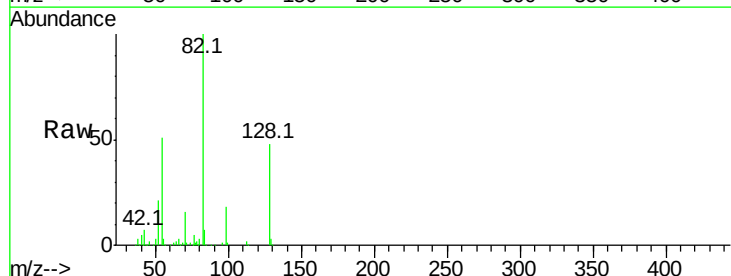


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

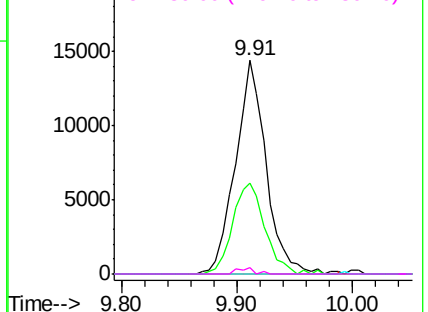
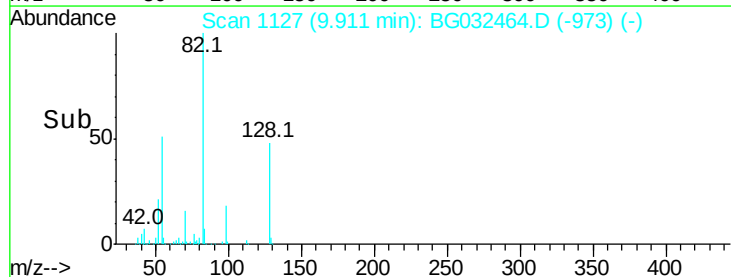


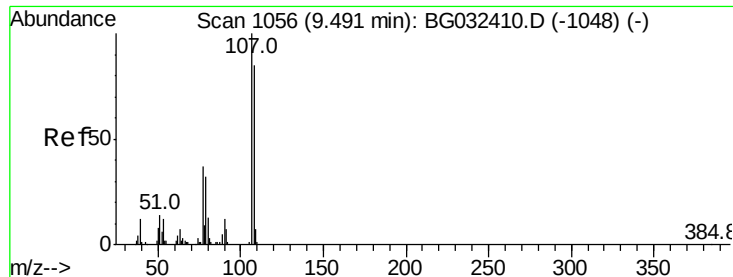
#19
n-Nitroso-di-n-propylamine
Concen: 17.444 ng
RT: 9.91 min Scan# 1127
Delta R.T. 0.37 min
Lab File: BG032464.D
Acq: 31 Jan 2018 14:13

Tgt Ion: 70 Resp: 26513
Ion Ratio Lower Upper
70 100
42 42.6 49.1 73.7#
101 0.0 8.5 12.7#
130 2.9 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BG
Ion 42.00 (41.70 to 42.70): BG
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

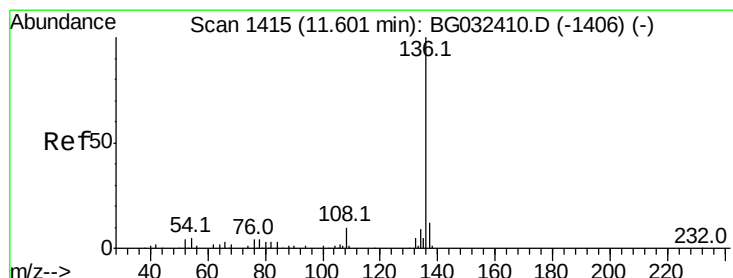
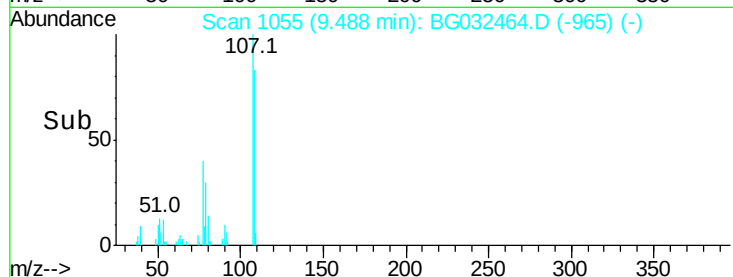
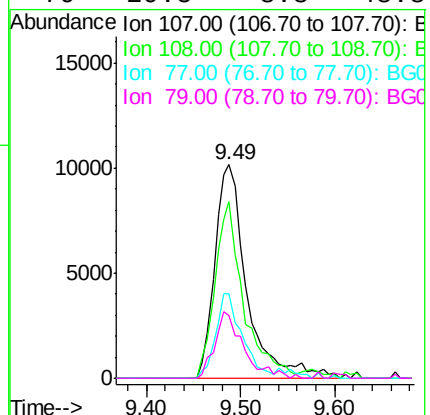
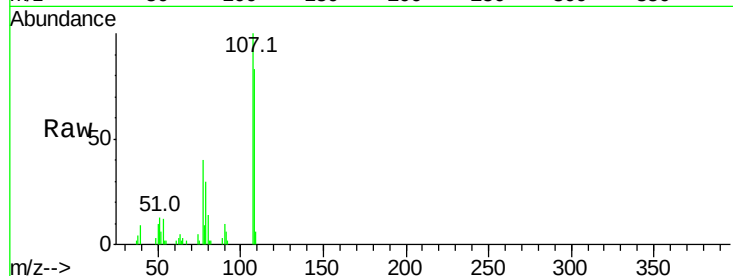




#20
3+4-Methylphenols
Concen: 9.720 ng
RT: 9.49 min Scan# 1055
Delta R.T. -0.00 min
Lab File: BG032464.D
Acq: 31 Jan 2018 14:13

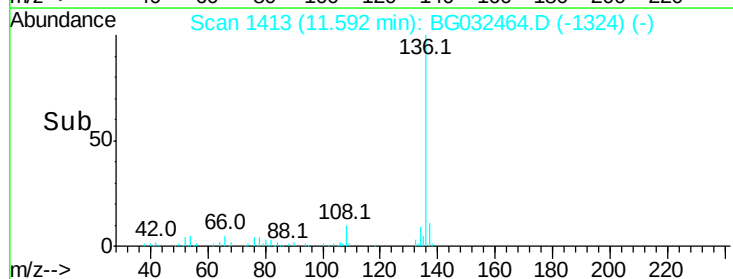
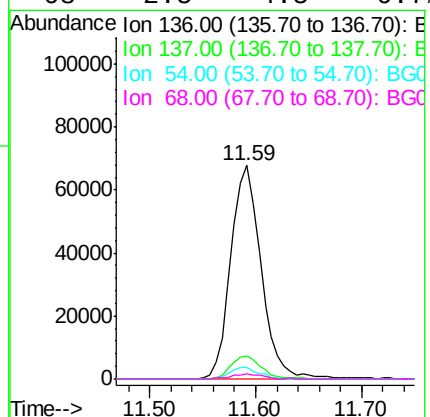
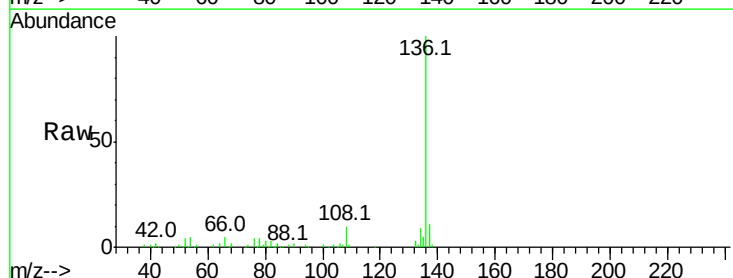
Instrument :
BNA_G
ClientSampleId :

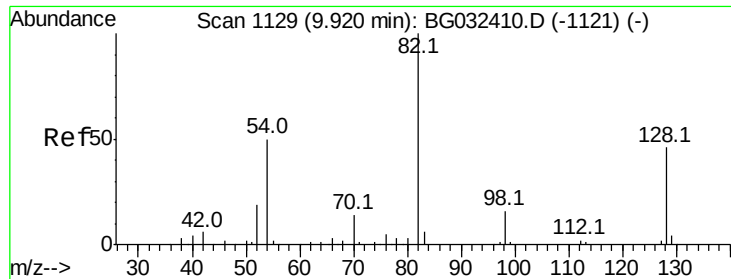
Tot Ion:	107	Resp:	24105
Ion	Ratio	Lower	Upper
107	100		
108	82.7	61.6	101.6
77	39.6	13.9	53.9
79	29.5	8.8	48.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG032464.D
Acq: 31 Jan 2018 14:13

Tgt Ion:	136	Resp:	134208
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	5.3	10.3	15.5#
68	2.5	4.5	6.7#

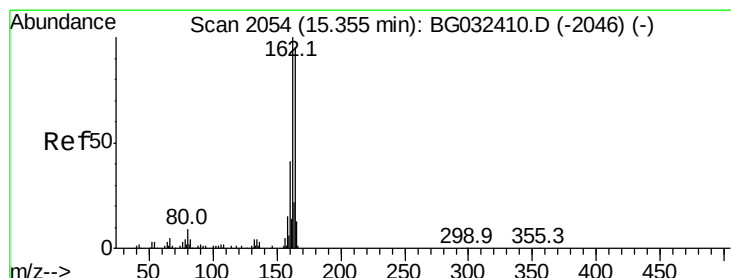
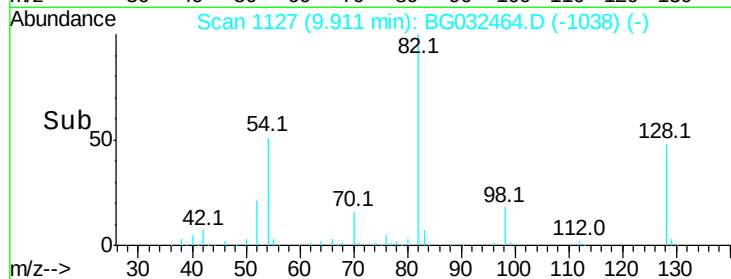
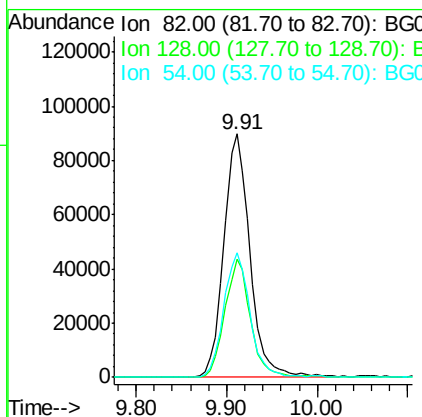
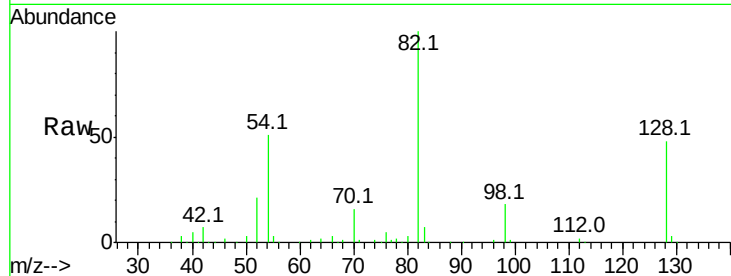




#23
 Nitrobenzene-d5
 Concen: 83.654 ng
 RT: 9.91 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BG032464.D
 Acq: 31 Jan 2018 14:13

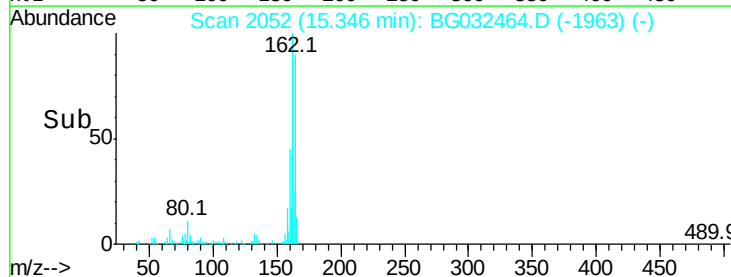
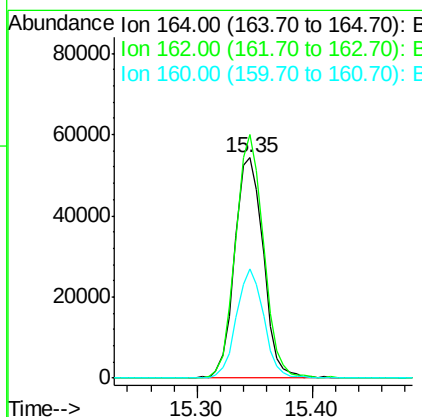
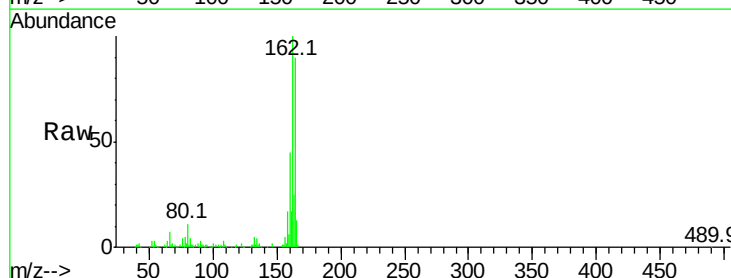
Instrument :
 BNA_G
 ClientSampleId :

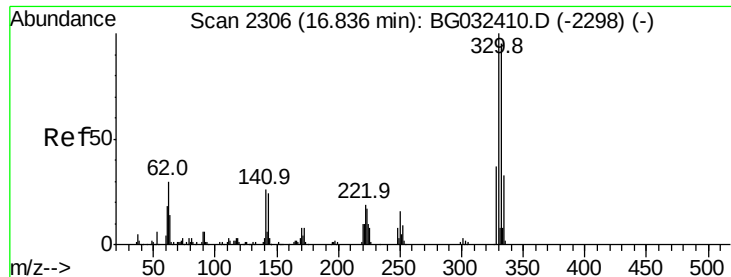
Tot Ion: 82 Resp: 179747
 Ion Ratio Lower Upper
 82 100
 128 48.3 29.7 44.5#
 54 51.3 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.35 min Scan# 2052
 Delta R.T. -0.01 min
 Lab File: BG032464.D
 Acq: 31 Jan 2018 14:13

Tgt Ion:164 Resp: 93606
 Ion Ratio Lower Upper
 164 100
 162 110.6 78.8 118.2
 160 49.7 35.4 53.0

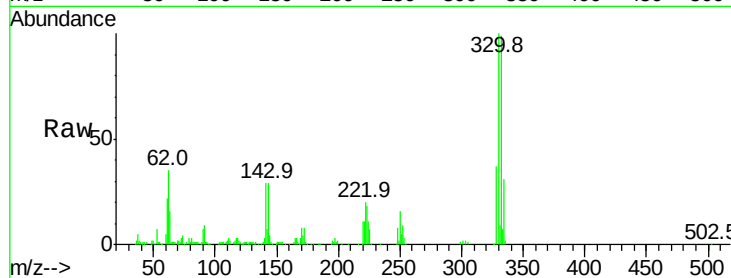




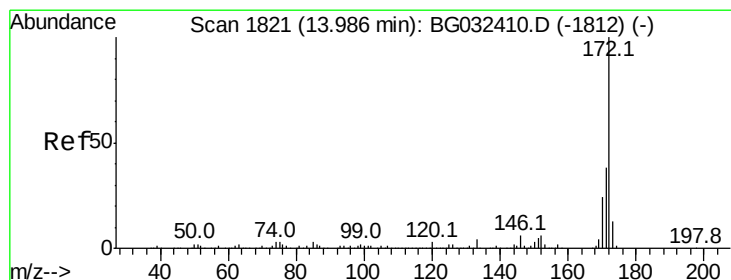
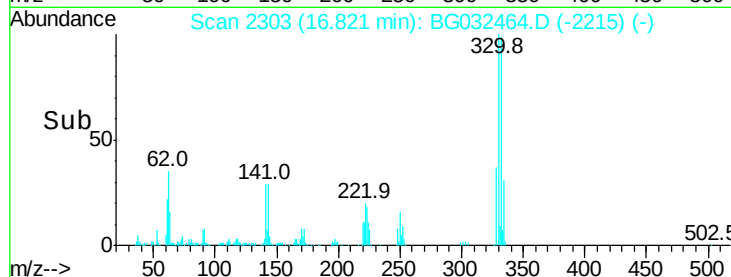
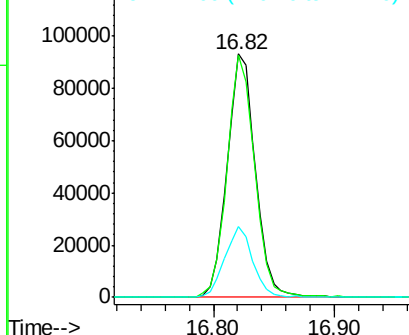
#41
 2,4,6-Tribromophenol
 Concen: 84.889 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.01 min
 Lab File: BG032464.D
 Acq: 31 Jan 2018 14:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 151255
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 29.1 25.2 37.8

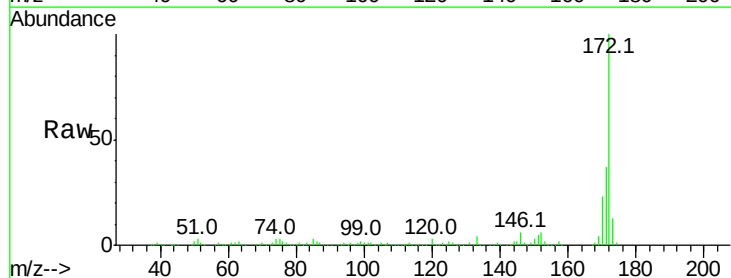


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

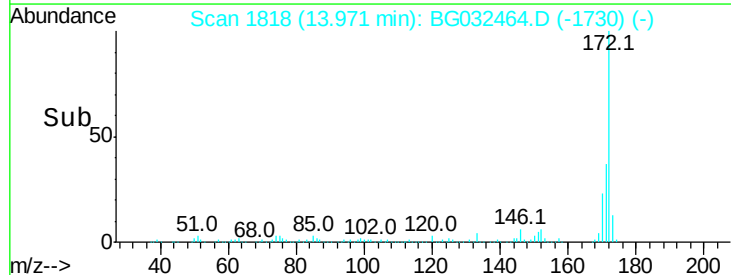
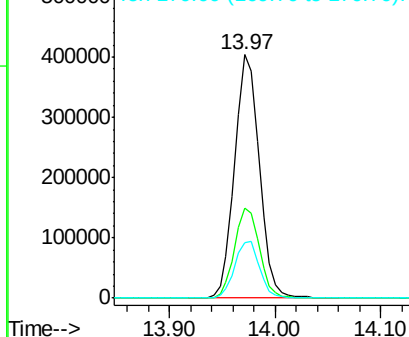


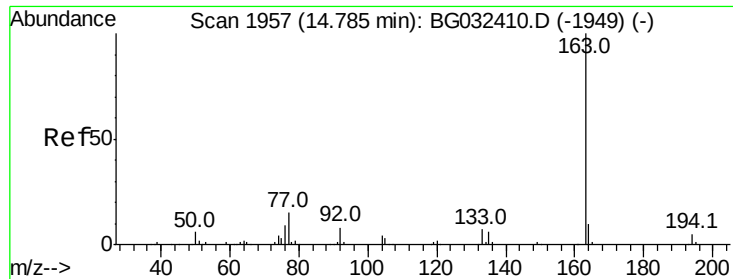
#44
 2-Fluorobiphenyl
 Concen: 82.782 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BG032464.D
 Acq: 31 Jan 2018 14:13

Tgt Ion:172 Resp: 651950
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 22.7 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.437 ng

RT: 14.77 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BG032464.D

Acq: 31 Jan 2018 14:13

Instrument :

BNA_G

ClientSampleId :

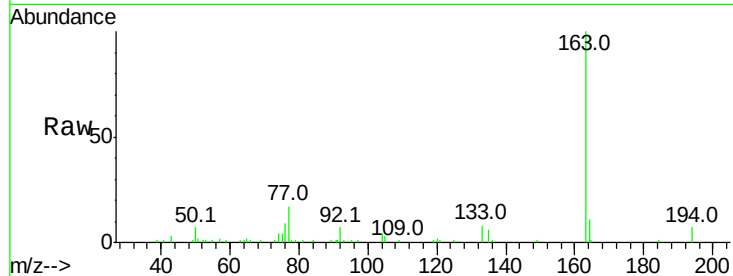
Tot Ion:163 Resp: 38295

Ion Ratio Lower Upper

163 100

194 6.7 3.4 5.2#

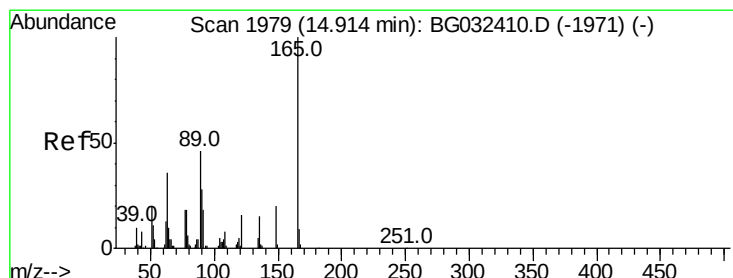
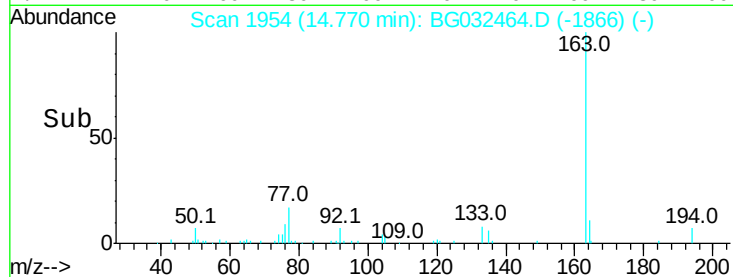
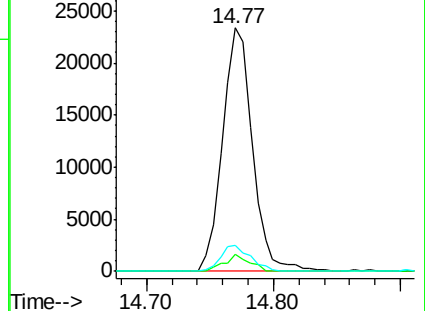
164 10.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 6.959 ng

RT: 15.35 min Scan# 2052

Delta R.T. 0.43 min

Lab File: BG032464.D

Acq: 31 Jan 2018 14:13

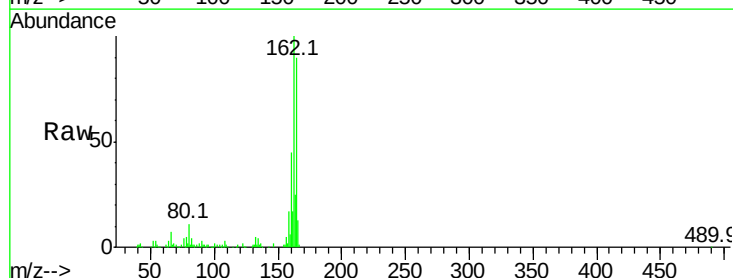
Tgt Ion:165 Resp: 12606

Ion Ratio Lower Upper

165 100

63 2.3 52.7 79.1#

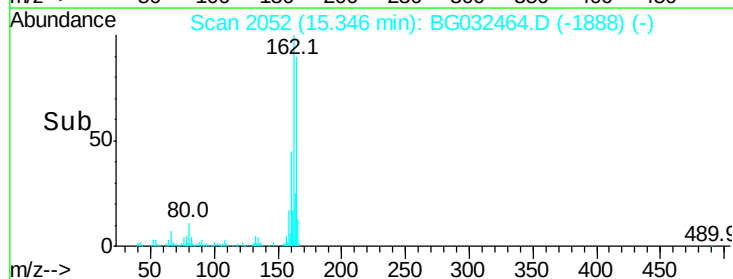
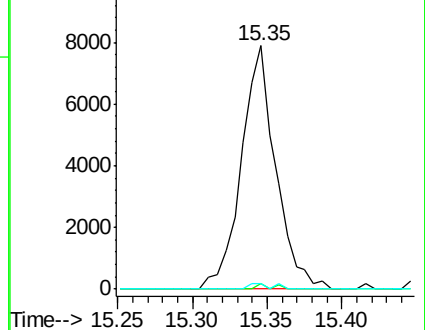
89 2.4 49.2 73.8#

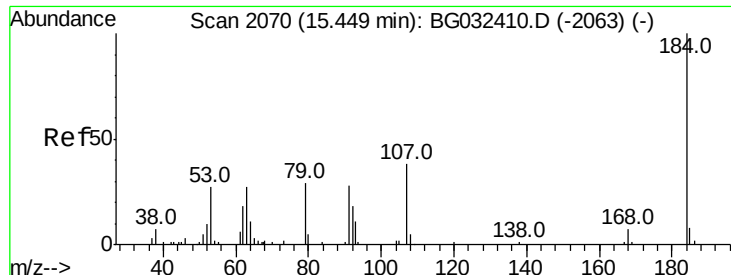


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

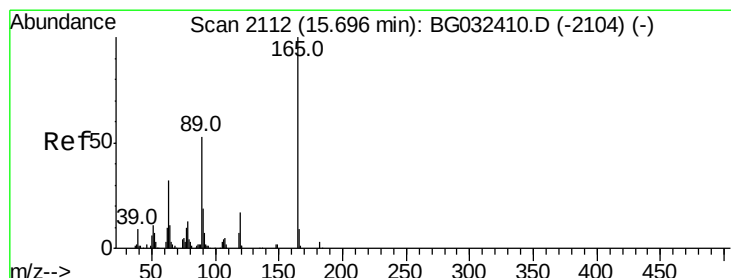
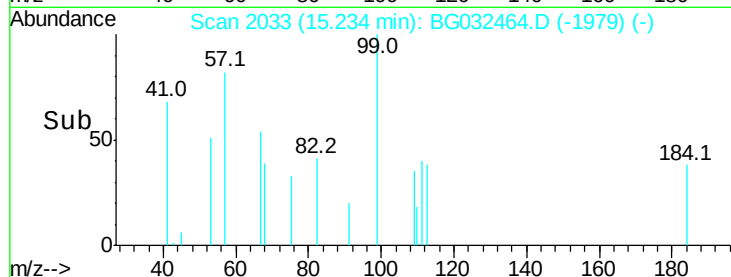
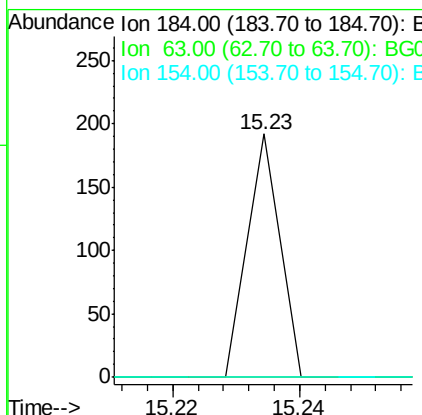
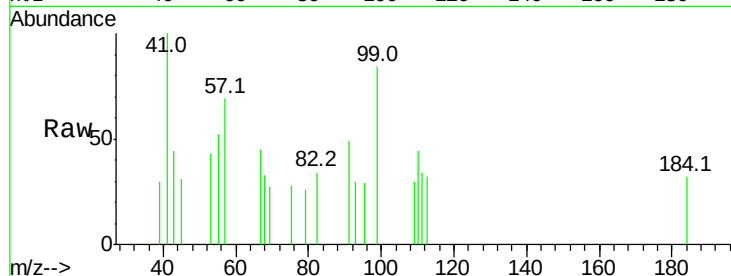




#53
 2,4-Dinitrophenol
 Concen: 4.161 ng
 RT: 15.23 min Scan# 2033
 Delta R.T. -0.21 min
 Lab File: BG032464.D
 Acq: 31 Jan 2018 14:13

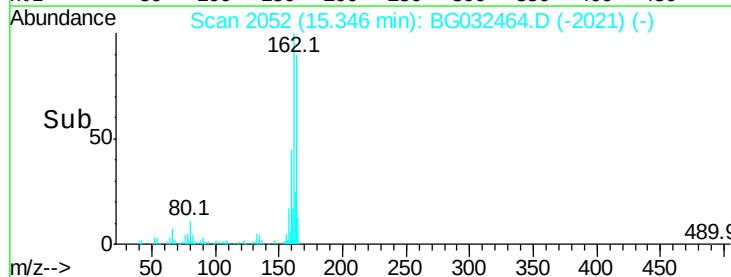
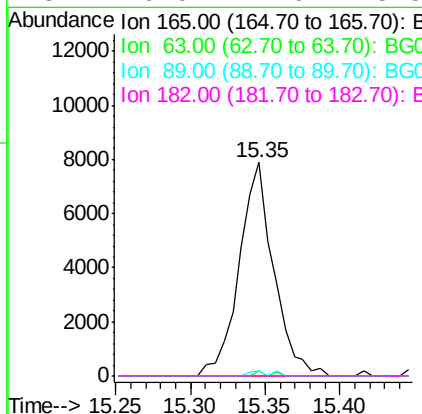
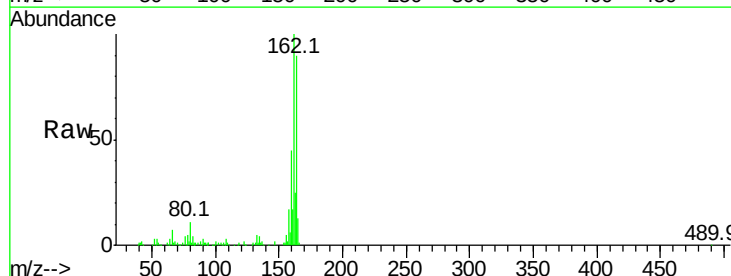
Instrument :
 BNA_G
 ClientSampled :

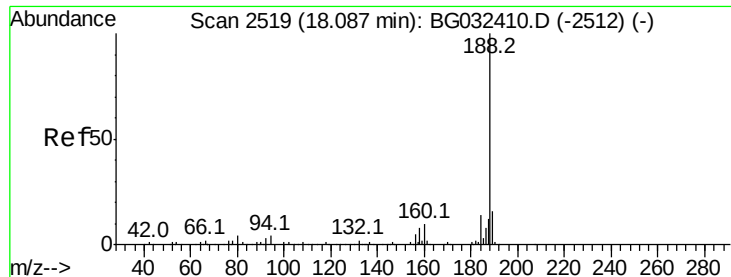
Tot Ion:184 Resp: 68
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.887 ng
 RT: 15.35 min Scan# 2052
 Delta R.T. -0.35 min
 Lab File: BG032464.D
 Acq: 31 Jan 2018 14:13

Tgt Ion:165 Resp: 12606
 Ion Ratio Lower Upper
 165 100
 63 2.3 42.0 63.0#
 89 2.4 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.08 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BG032464.D

Acq: 31 Jan 2018 14:13

Instrument :

BNA_G

ClientSampleId :

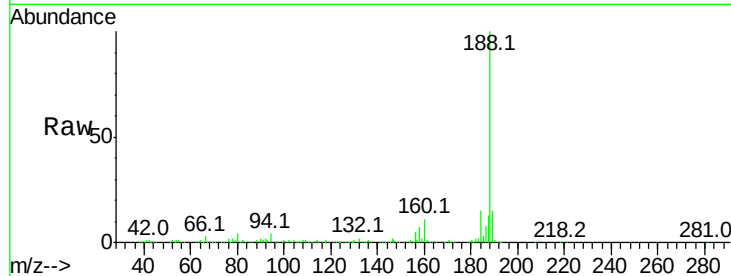
Tot Ion:188 Resp: 224927

Ion Ratio Lower Upper

188 100

94 3.6 6.9 10.3#

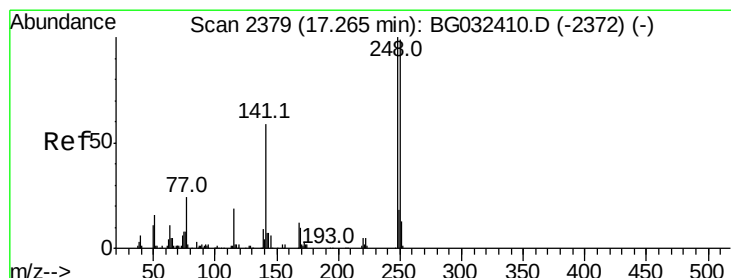
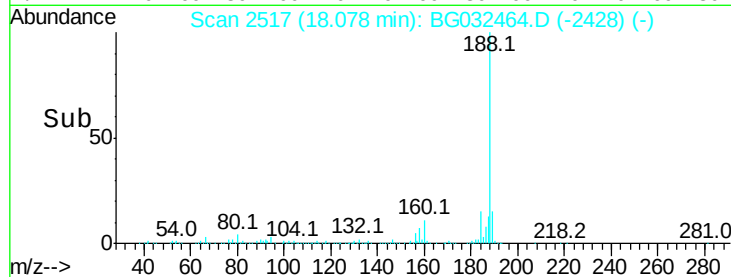
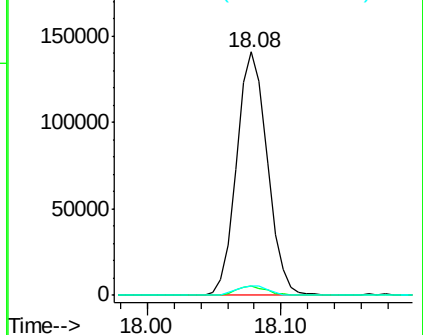
80 4.1 7.7 11.5#



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: 3.501 ng

RT: 16.82 min Scan# 2303

Delta R.T. -0.44 min

Lab File: BG032464.D

Acq: 31 Jan 2018 14:13

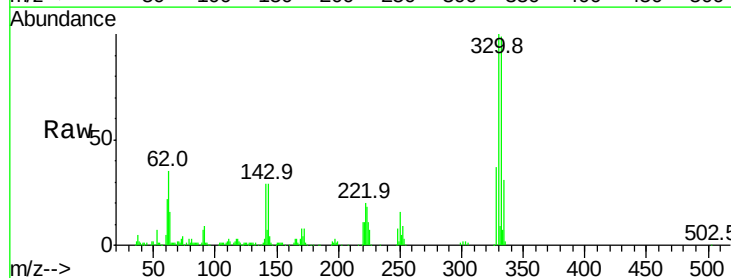
Tgt Ion:248 Resp: 11666

Ion Ratio Lower Upper

248 100

250 208.5 77.1 115.7#

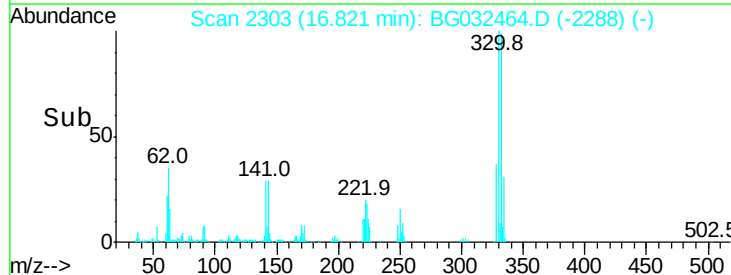
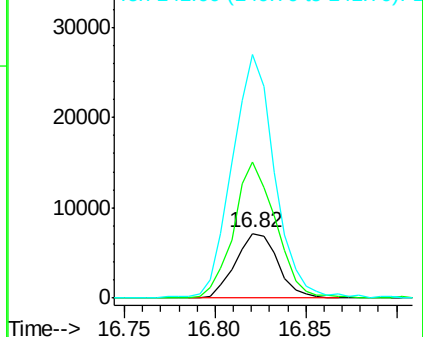
141 374.3 50.8 76.2#

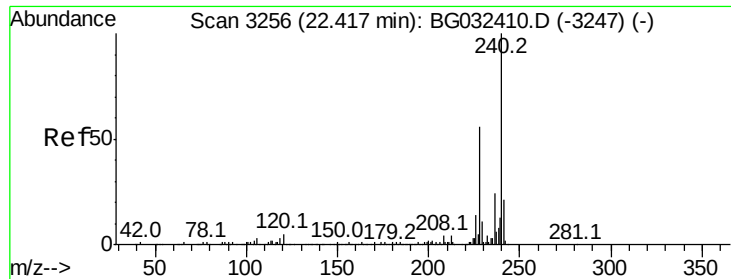


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.41 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BG032464.D

Acq: 31 Jan 2018 14:13

Instrument :

BNA_G

ClientSampleId :

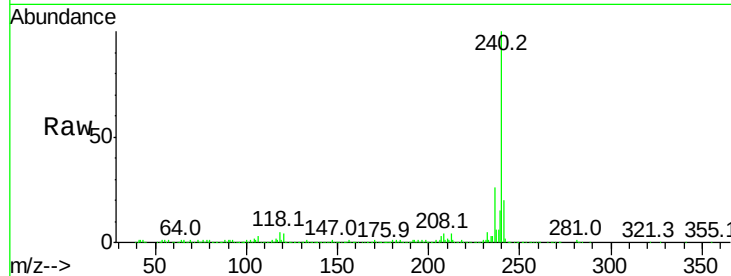
Tot Ion:240 Resp: 281817

Ion Ratio Lower Upper

240 100

120 4.0 6.8 10.2#

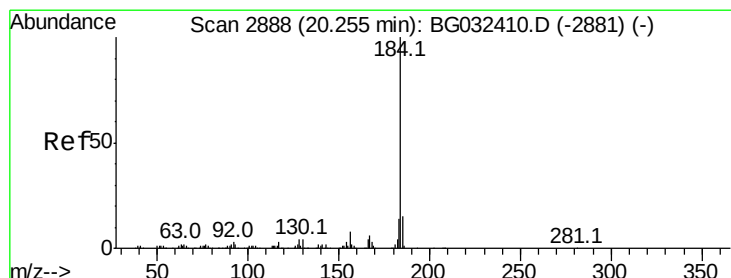
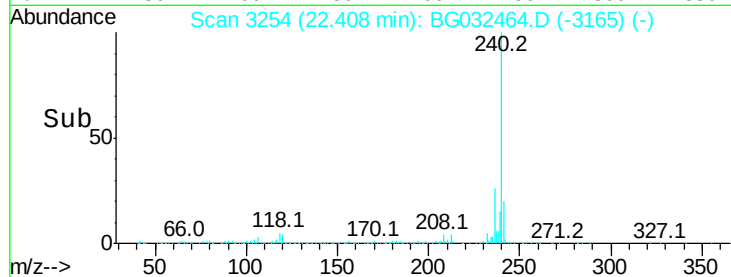
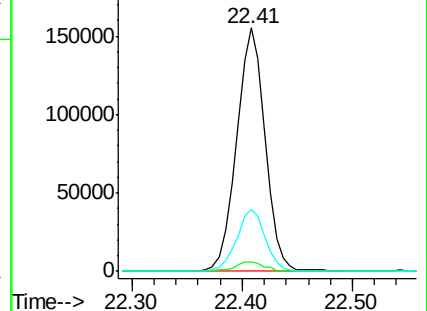
236 25.6 20.9 31.3



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: 3.087 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032464.D

Acq: 31 Jan 2018 14:13

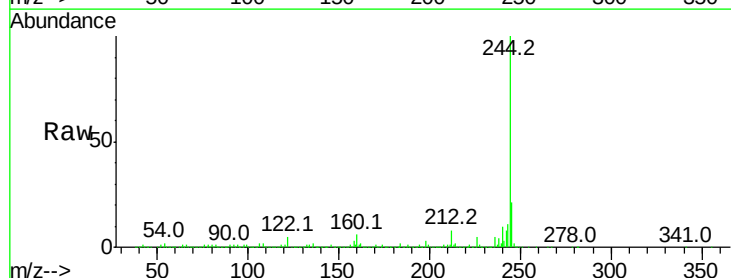
Tgt Ion:184 Resp: 17081

Ion Ratio Lower Upper

184 100

185 17.9 11.1 16.7#

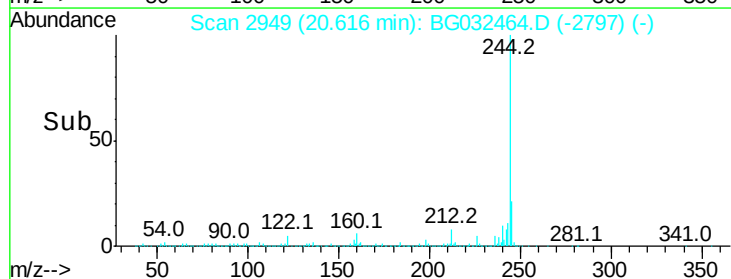
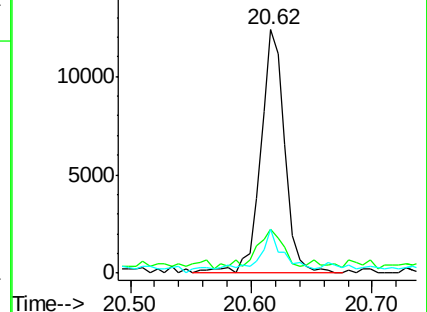
183 18.2 10.6 16.0#

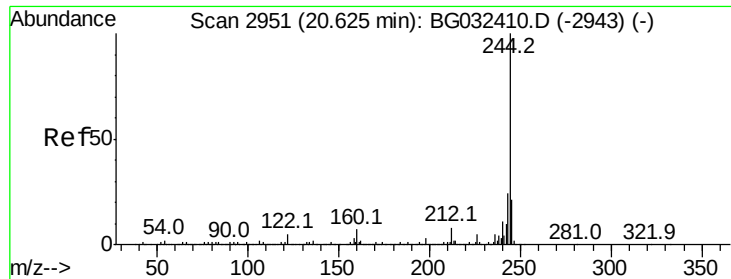


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 80.247 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032464.D

Acq: 31 Jan 2018 14:13

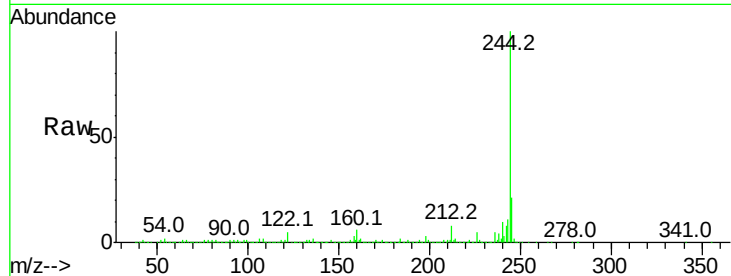
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1055749

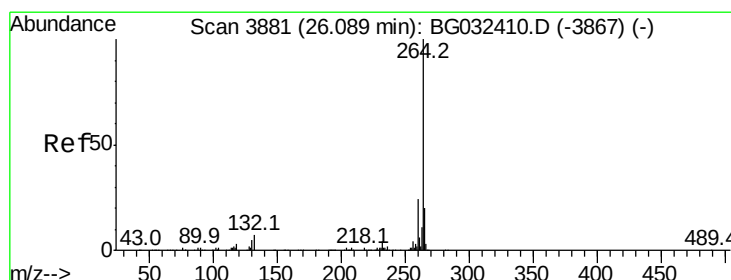
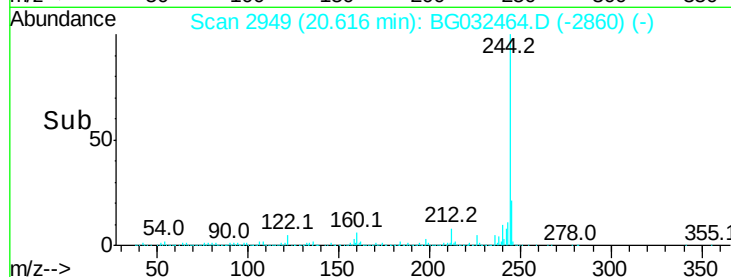
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	5.3	7.0	10.4



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: 26.09 min Scan# 3881

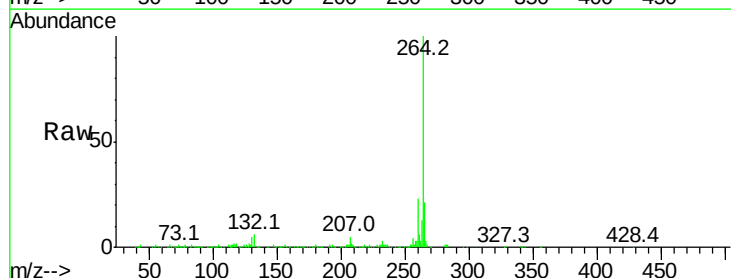
Delta R.T. 0.00 min

Lab File: BG032464.D

Acq: 31 Jan 2018 14:13

Tgt Ion:264 Resp: 311203

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.4	26.0
265	21.5	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

