

Data Path : U:\HPCHEM1\BNA G\DATA\BG013018\
 Data File : BG032448.D
 Acq On : 30 Jan 2018 19:06
 Operator : SJ/JU
 Sample : PB106183BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 31 00:44:55 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

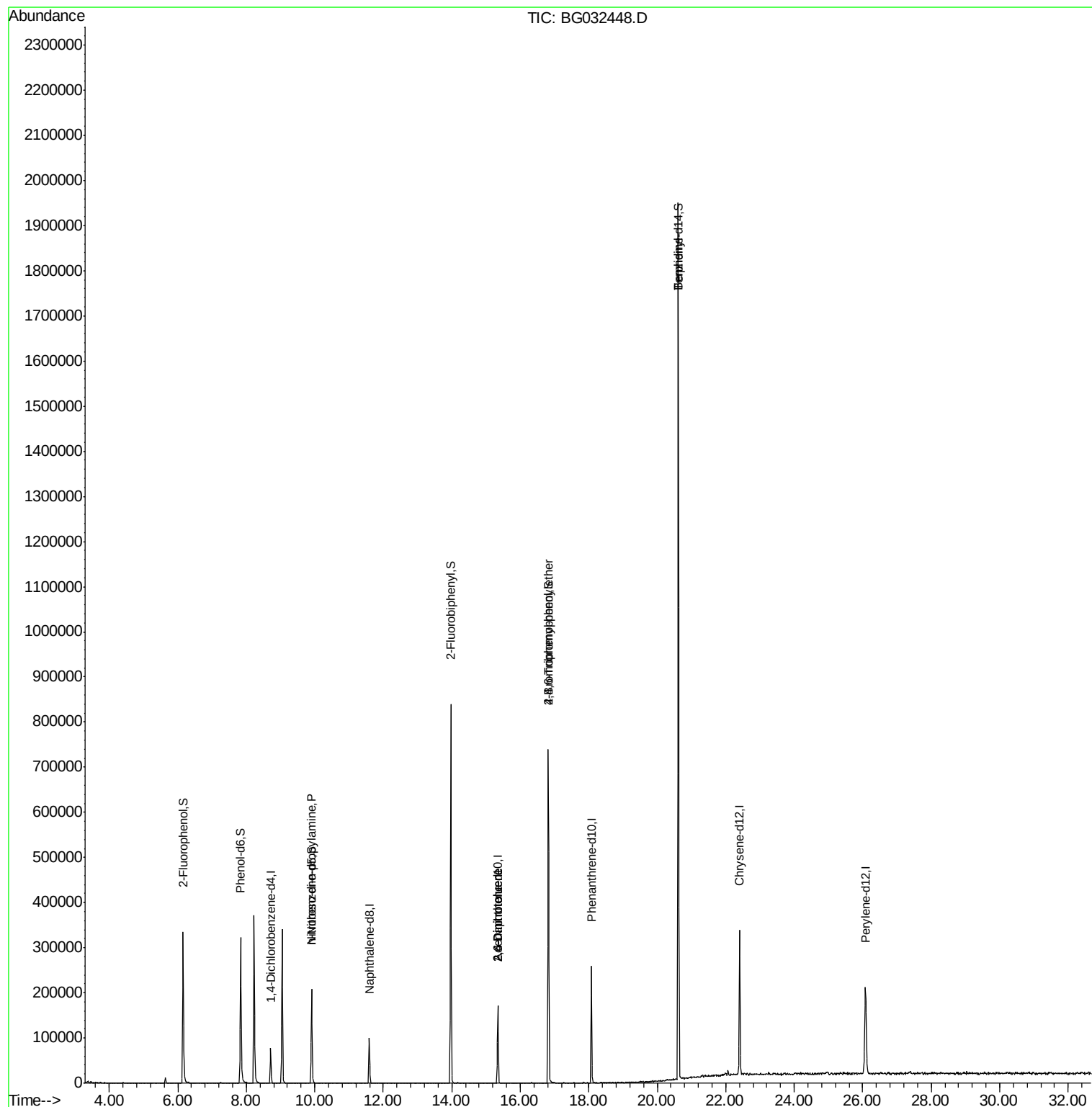
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	26447	20.00	ng	-0.02
21) Naphthalene-d8	11.59	136	98235	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	66146	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	183979	20.00	ng	-0.01
75) Chrysene-d12	22.41	240	242515	20.00	ng	-0.01
86) Perylene-d12	26.08	264	256285	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	186268	141.46	ng	0.00
7) Phenol-d6	7.84	99	219302	124.81	ng	0.00
23) Nitrobenzene-d5	9.91	82	135772	86.33	ng	-0.01
41) 2,4,6-Tribromophenol	16.83	330	179357	142.45	ng	-0.01
44) 2-Fluorobiphenyl	13.98	172	500334	89.90	ng	-0.01
78) Terphenyl-d14	20.62	244	1073350	94.81	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.90	70	19476	16.718	ng	# 78
50) 2,6-Dinitrotoluene	15.34	165	9069	7.085	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	9069	4.976	ng	# 16
66) 4-Bromophenyl-phenylether	16.83	248	14237	5.223	ng	# 1
76) Benzidine	20.62	184	15676	3.292	ng	# 91

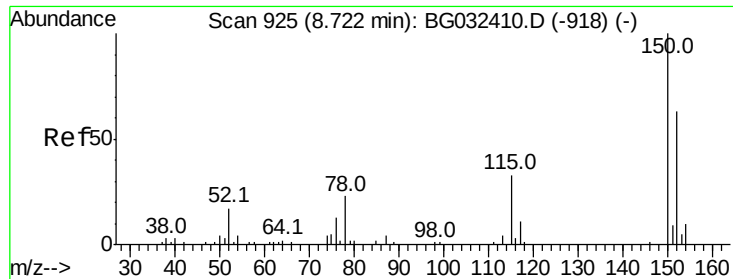
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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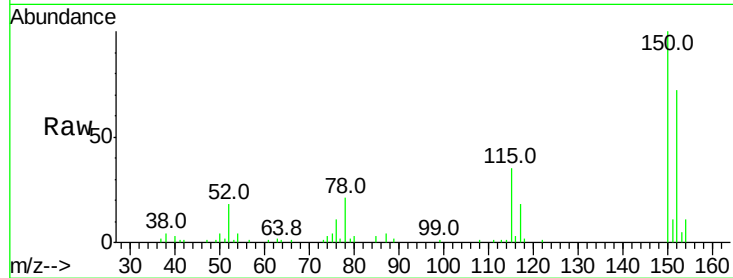


#1

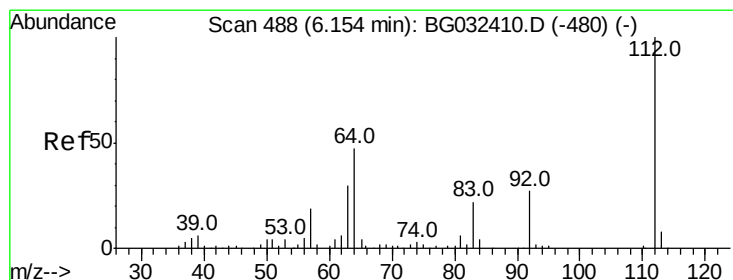
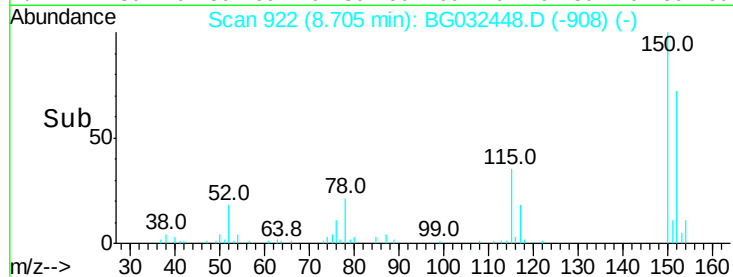
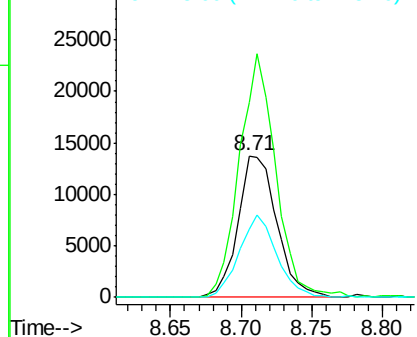
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 922
Delta R.T. -0.02 min
Lab File: BG032448.D
Acq: 30 Jan 2018 19:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 26447
Ion Ratio Lower Upper
152 100
150 138.0 126.6 189.8
115 48.1 53.0 79.4#



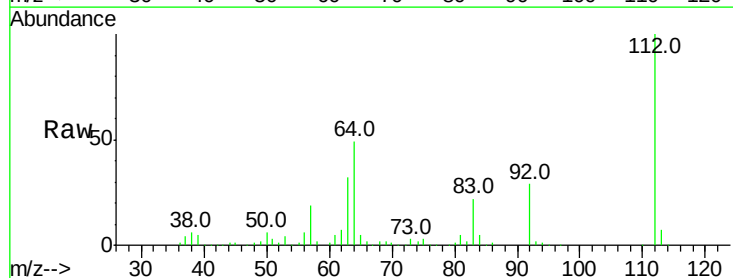
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



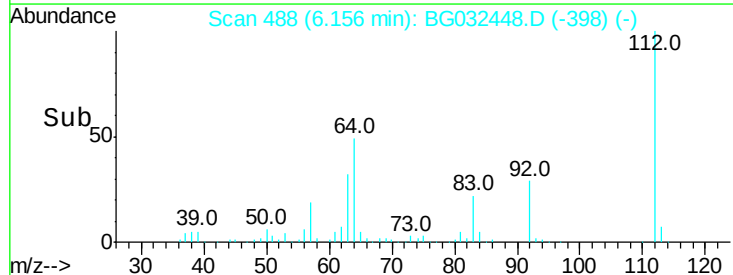
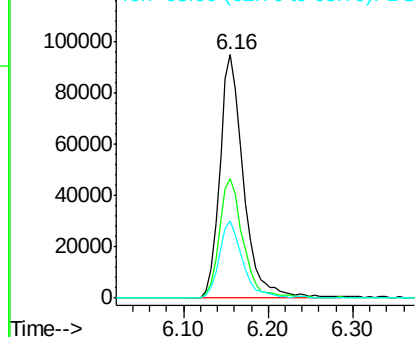
#5

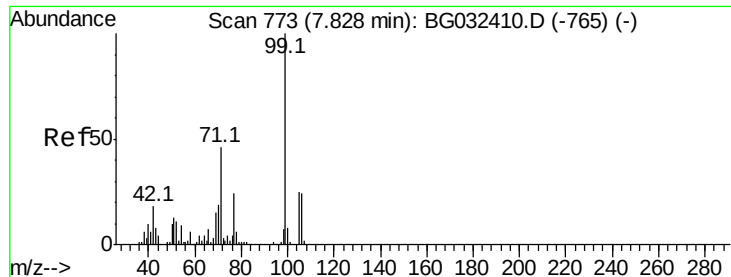
2-Fluorophenol
Concen: 141.464 ng
RT: 6.16 min Scan# 488
Delta R.T. 0.00 min
Lab File: BG032448.D
Acq: 30 Jan 2018 19:06

Tgt Ion:112 Resp: 186268
Ion Ratio Lower Upper
112 100
64 49.1 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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 124.813 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032448.D

Acq: 30 Jan 2018 19:06

Instrument :

BNA_G

ClientSampleId :

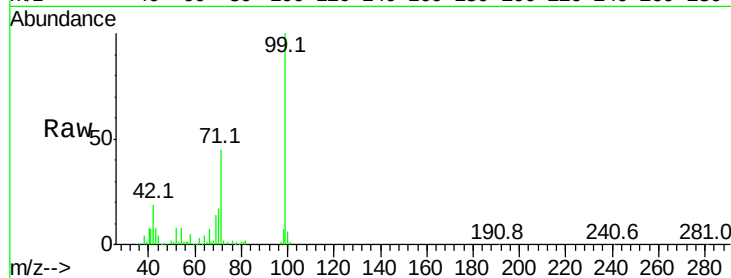
Tot Ion: 99 Resp: 219302

Ion Ratio Lower Upper

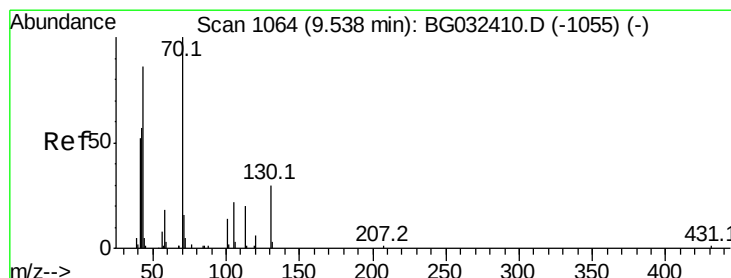
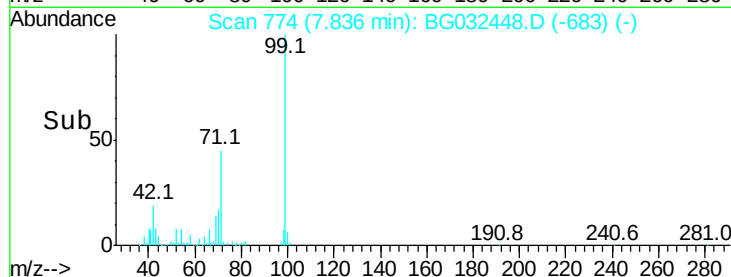
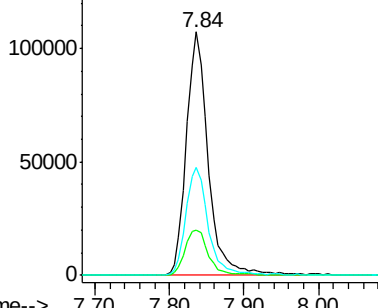
99 100

42 18.6 14.1 21.1

71 44.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.718 ng

RT: 9.90 min Scan# 1126

Delta R.T. 0.37 min

Lab File: BG032448.D

Acq: 30 Jan 2018 19:06

Tgt Ion: 70 Resp: 19476

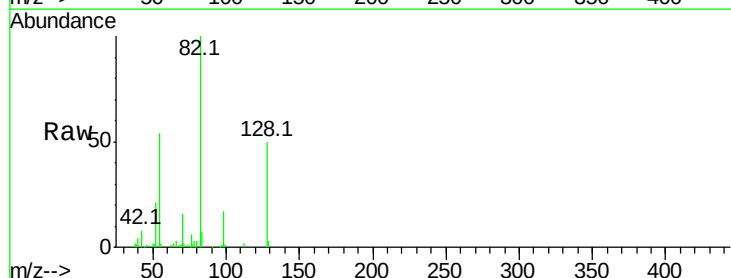
Ion Ratio Lower Upper

70 100

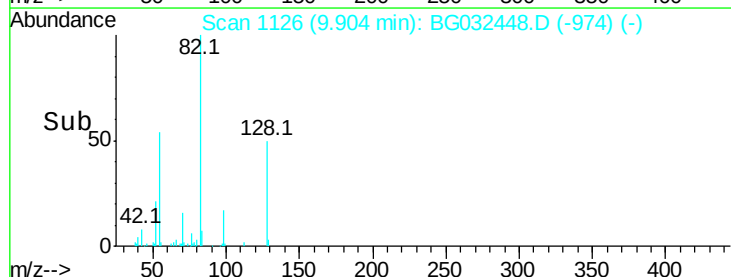
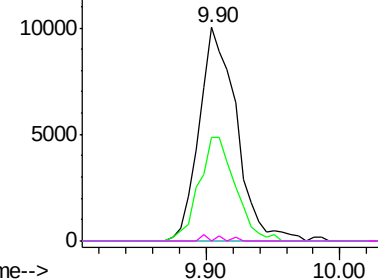
42 48.7 49.1 73.7#

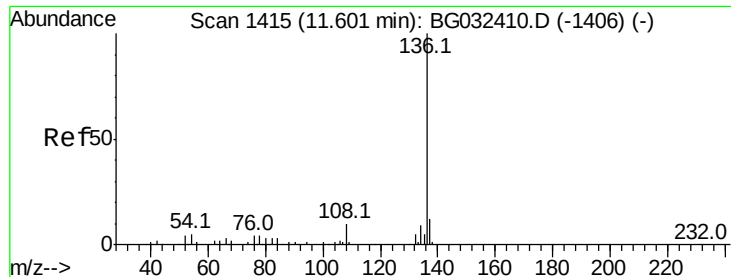
101 0.0 8.5 12.7#

130 0.0 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): BGC
Ion 130.00 (129.70 to 130.70): BGC

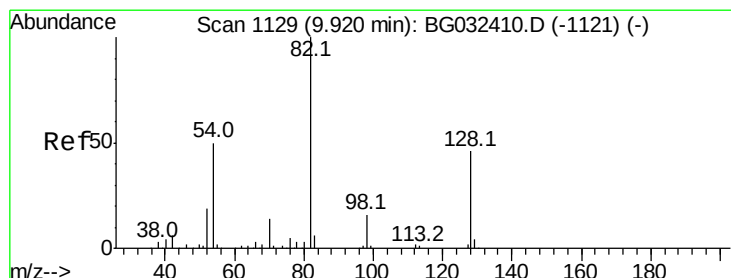
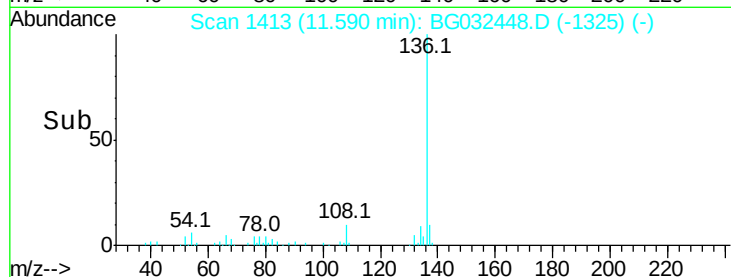
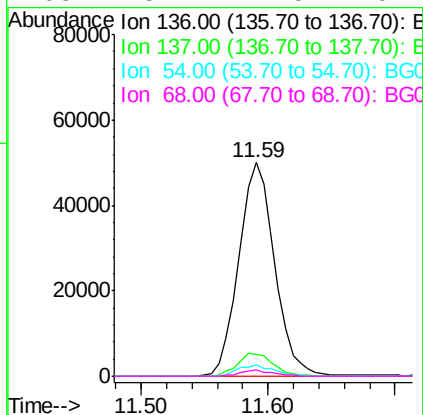
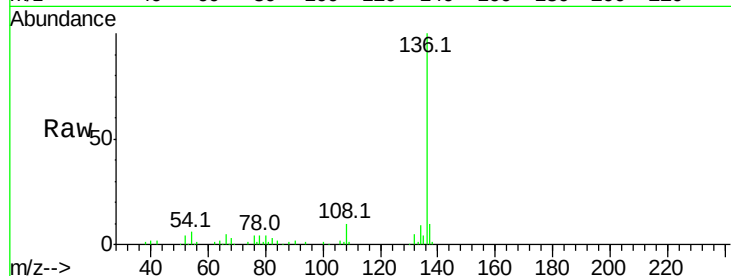




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG032448.D
Acq: 30 Jan 2018 19:06

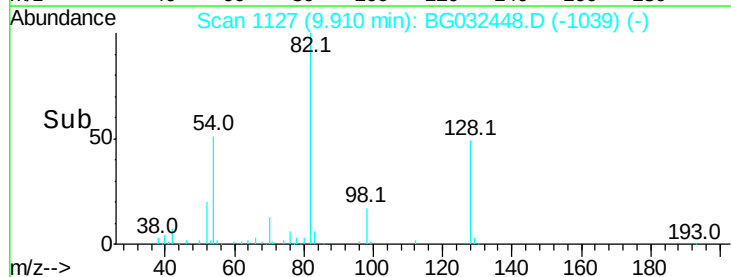
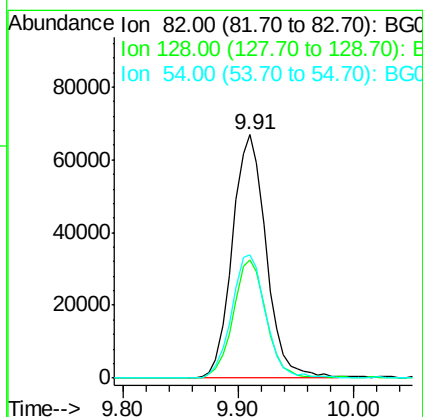
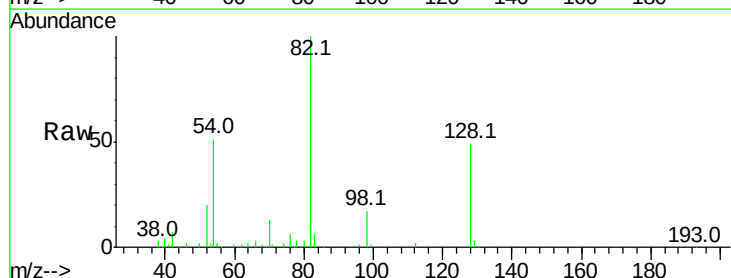
Instrument :
BNA_G
ClientSampleId :

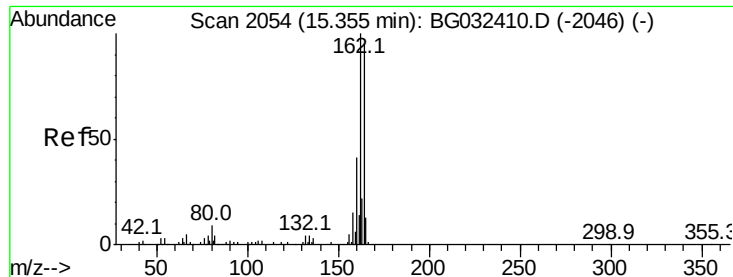
Tot Ion:136	Resp:	98235
Ion	Ratio	Lower Upper
136	100	
137	10.0	9.2 13.8
54	5.6	10.3 15.5#
68	3.1	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 86.327 ng
RT: 9.91 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BG032448.D
Acq: 30 Jan 2018 19:06

Tgt Ion: 82	Resp:	135772
Ion	Ratio	Lower Upper
82	100	
128	48.6	29.7 44.5#
54	50.8	43.1 64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032448.D

Acq: 30 Jan 2018 19:06

Instrument :

BNA_G

ClientSampled :

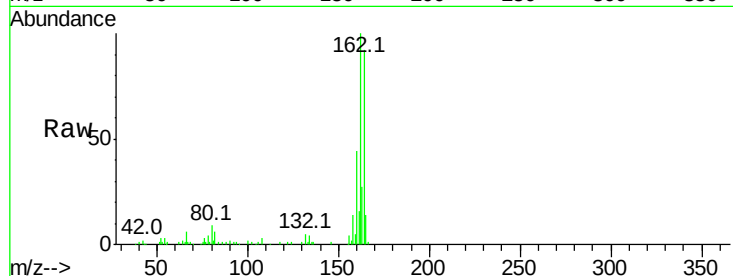
Tot Ion:164 Resp: 66146

Ion Ratio Lower Upper

164 100

162 109.1 78.8 118.2

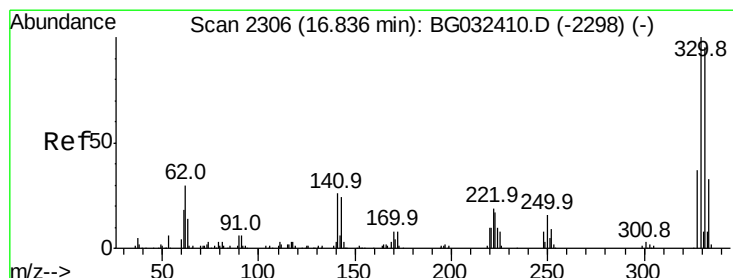
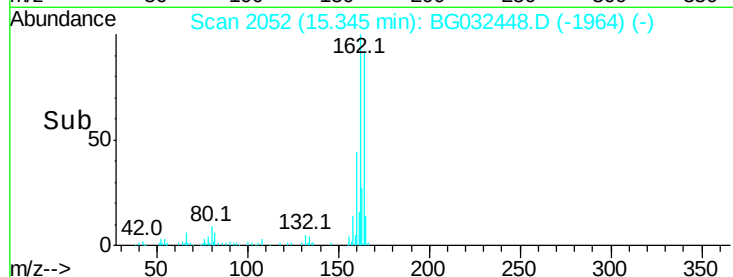
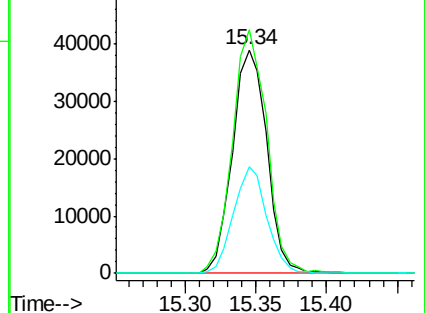
160 47.6 35.4 53.0



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: 142.450 ng

RT: 16.83 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BG032448.D

Acq: 30 Jan 2018 19:06

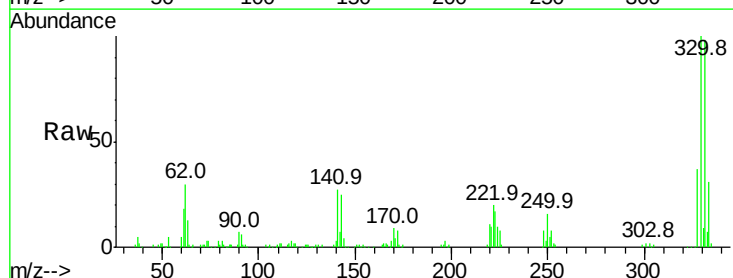
Tgt Ion:330 Resp: 179357

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

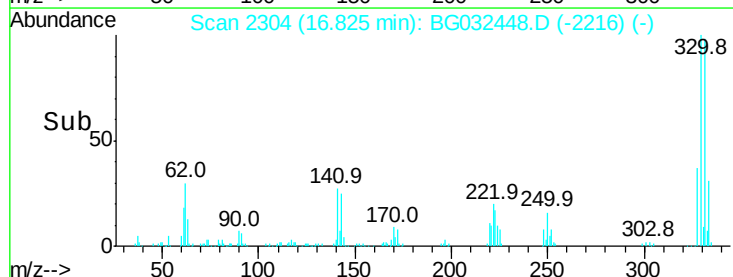
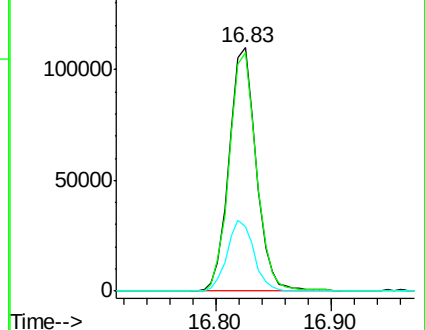
141 28.7 25.2 37.8

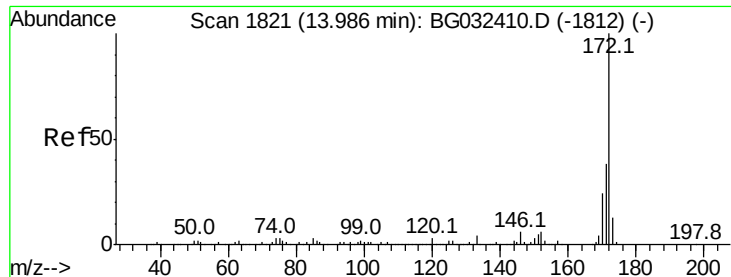


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

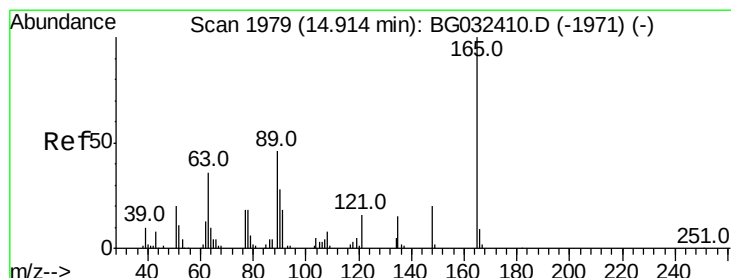
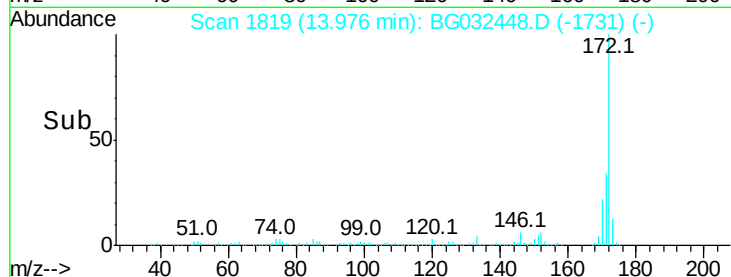
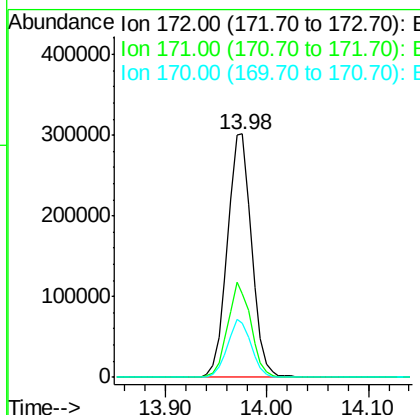
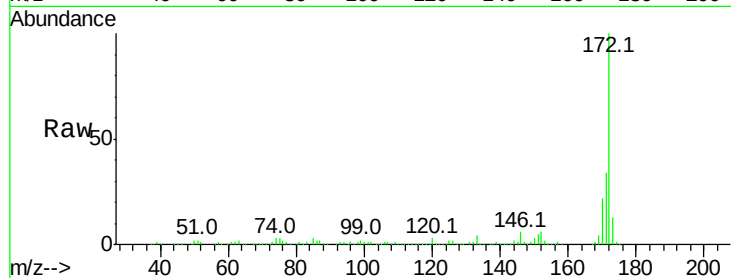




#44
 2-Fluorobiphenyl
 Concen: 89.904 ng
 RT: 13.98 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BG032448.D
 Acq: 30 Jan 2018 19:06

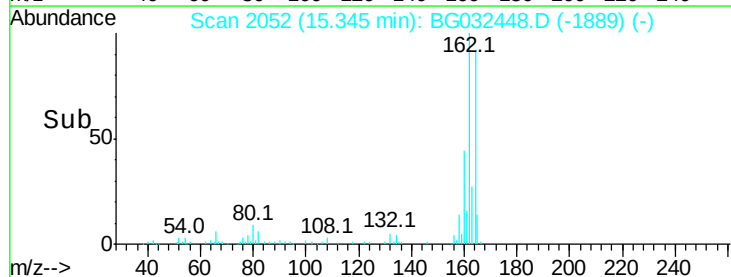
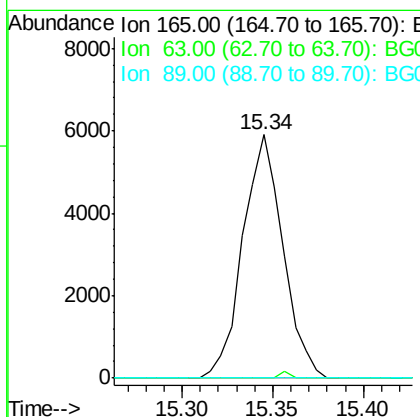
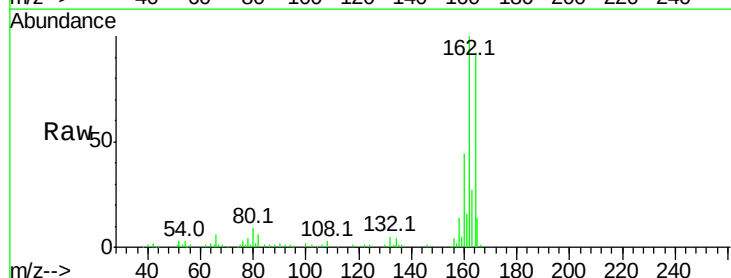
Instrument :
 BNA_G
 ClientSampleId :

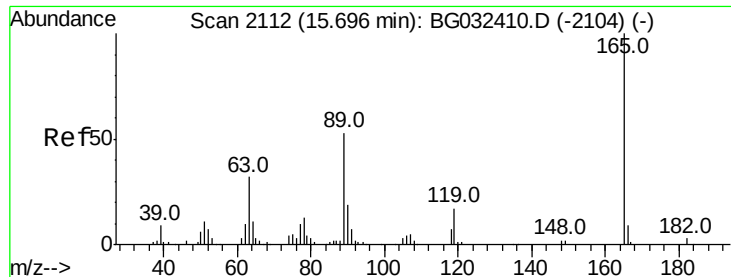
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	30.0	45.0
170	22.5	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.085 ng
 RT: 15.34 min Scan# 2052
 Delta R.T. 0.43 min
 Lab File: BG032448.D
 Acq: 30 Jan 2018 19:06

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

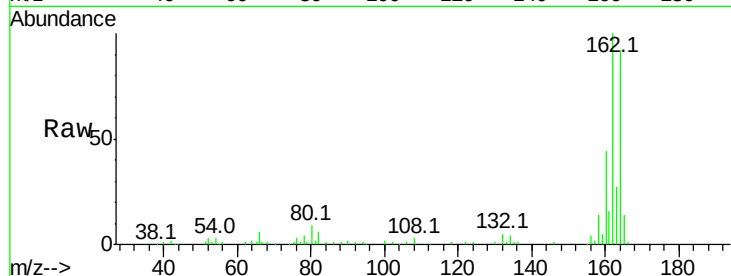




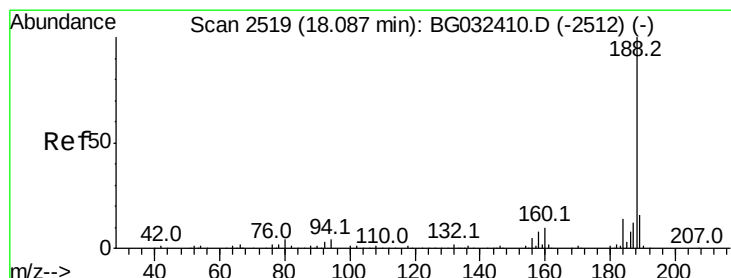
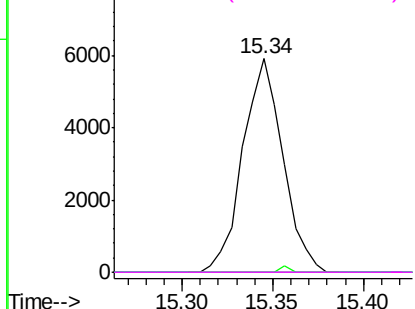
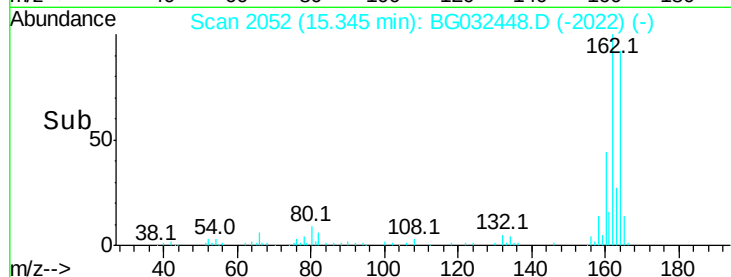
#56
 2,4-Dinitrotoluene
 Concen: 4.976 ng
 RT: 15.34 min Scan# 2052
 Delta R.T. -0.35 min
 Lab File: BG032448.D
 Acq: 30 Jan 2018 19:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9069
 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#

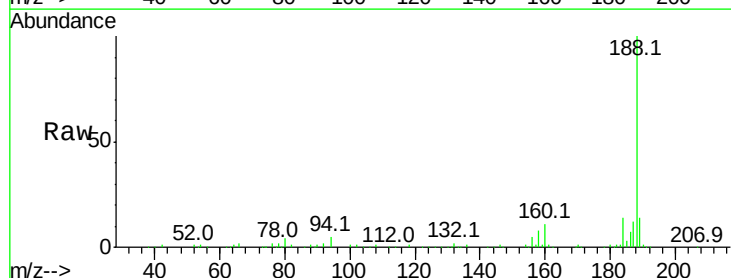


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

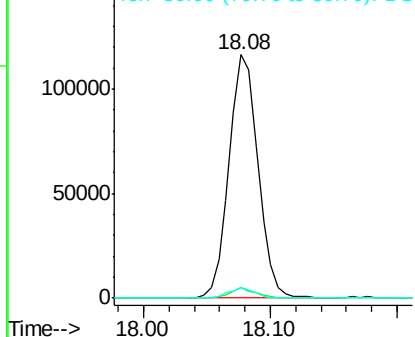
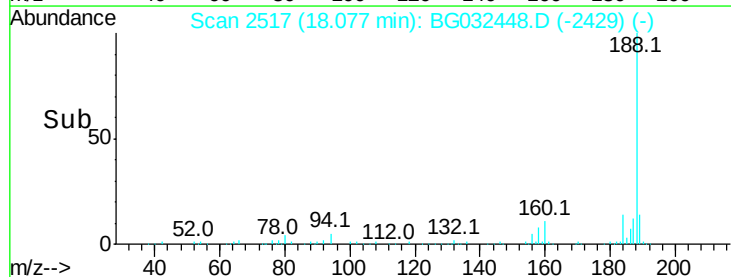


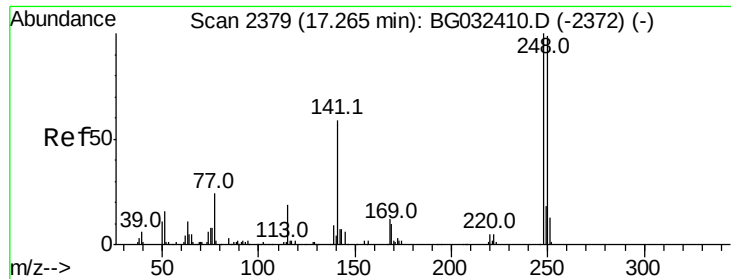
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032448.D
 Acq: 30 Jan 2018 19:06

Tgt Ion:188 Resp: 183979
 Ion Ratio Lower Upper
 188 100
 94 4.5 6.9 10.3#
 80 4.4 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

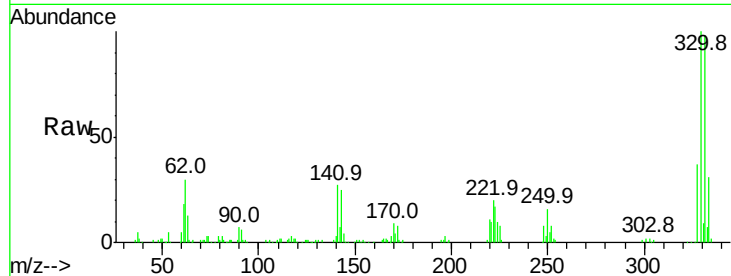




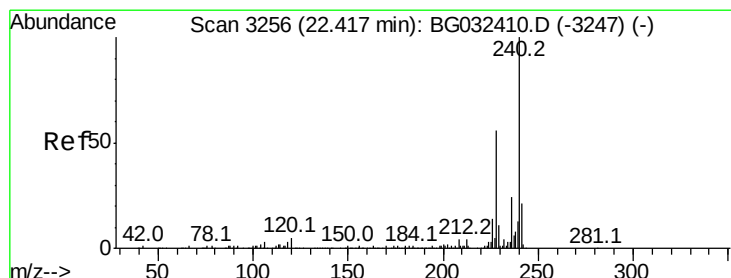
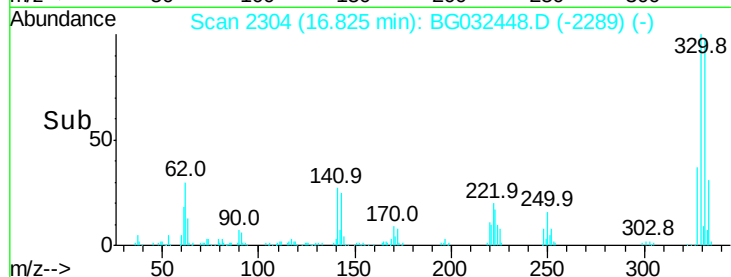
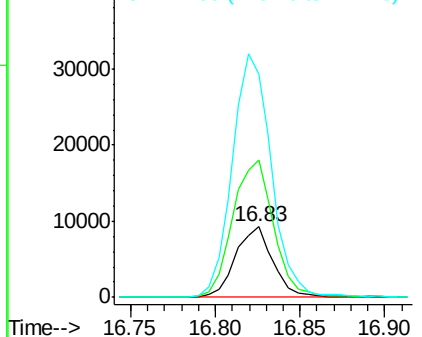
#66
4-Bromophenyl-phenylether
Concen: 5.223 ng
RT: 16.83 min Scan# 2304
Delta R.T. -0.44 min
Lab File: BG032448.D
Acq: 30 Jan 2018 19:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 14237
Ion Ratio Lower Upper
248 100
250 195.6 77.1 115.7#
141 317.2 50.8 76.2#

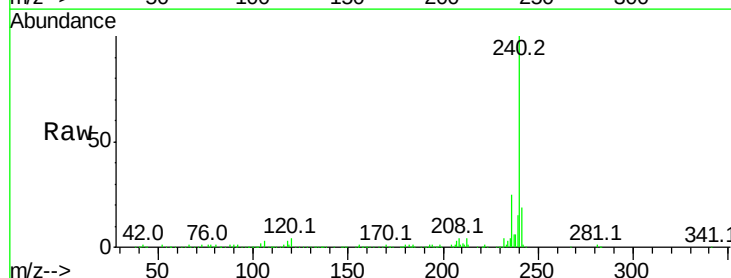


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

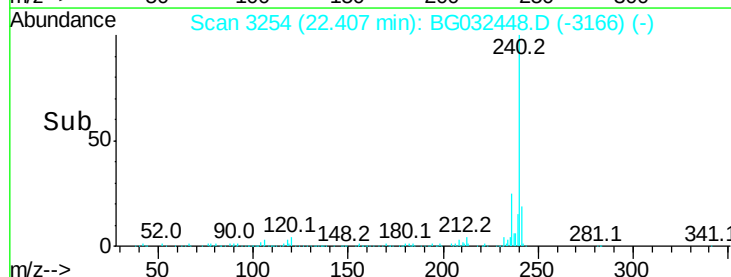
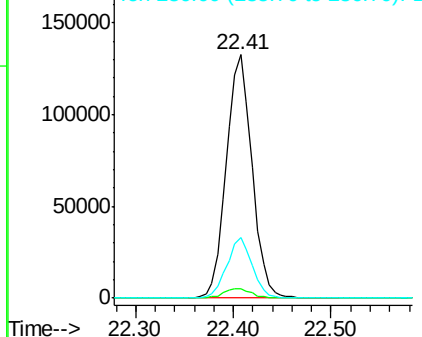


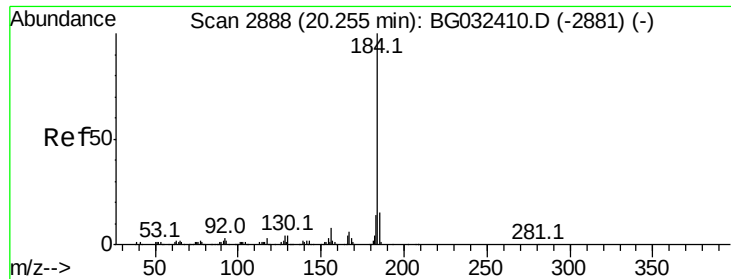
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.41 min Scan# 3254
Delta R.T. -0.01 min
Lab File: BG032448.D
Acq: 30 Jan 2018 19:06

Tgt Ion:240 Resp: 242515
Ion Ratio Lower Upper
240 100
120 4.1 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: 3.292 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032448.D

Acq: 30 Jan 2018 19:06

Instrument :

BNA_G

ClientSampleId :

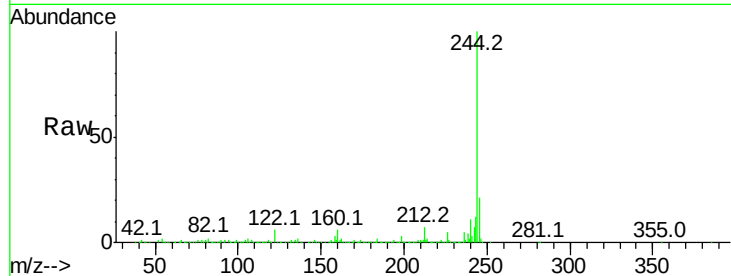
Tot Ion:184 Resp: 15676

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

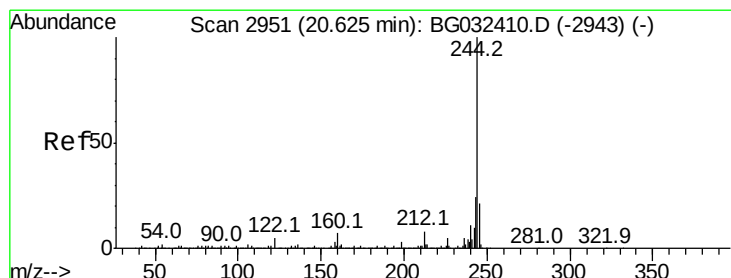
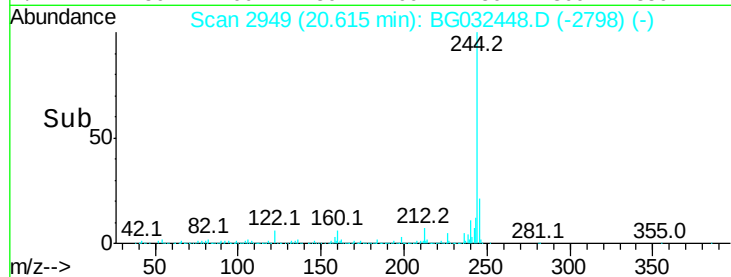
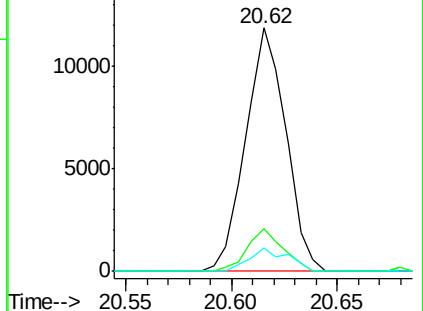
183 9.5 10.6 16.0#



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: 94.807 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032448.D

Acq: 30 Jan 2018 19:06

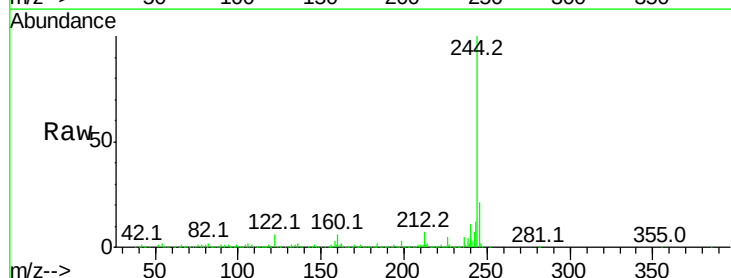
Tgt Ion:244 Resp: 1073350

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

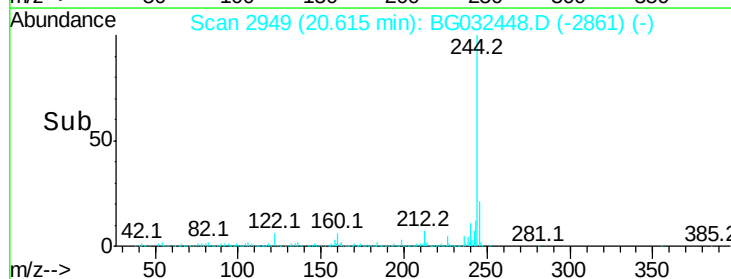
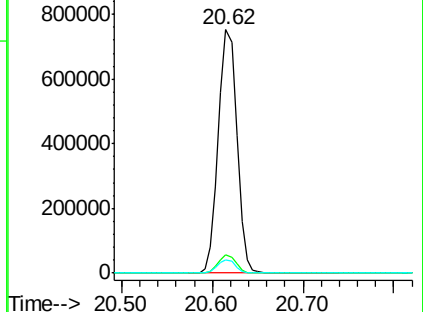
122 5.6 7.0 10.4#

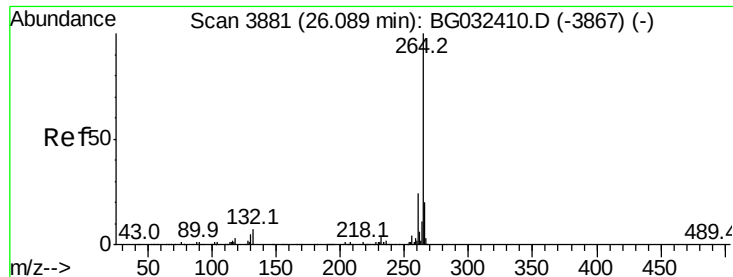


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

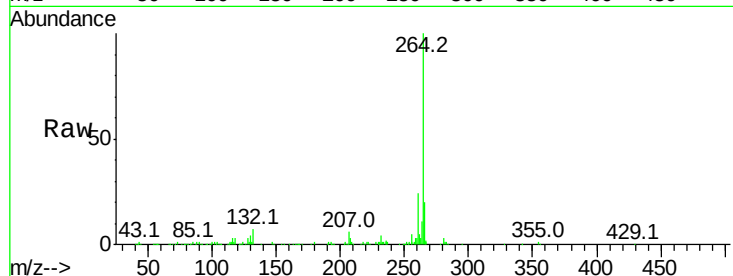




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.08 min Scan# 3879
 Delta R.T. -0.01 min
 Lab File: BG032448.D
 Acq: 30 Jan 2018 19:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	19.6	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

