

Data Path : U:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032307.D
 Acq On : 25 Jan 2018 23:40
 Operator : SJ/JU
 Sample : J1270-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 01:25:47 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	29422	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	126223	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	102884	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	290427	20.00	ng	0.00
75) Chrysene-d12	22.41	240	352638	20.00	ng	-0.01
86) Perylene-d12	26.09	264	373874	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	98934	61.50	ng	0.00
7) Phenol-d6	7.83	99	80038	39.50	ng	0.00
23) Nitrobenzene-d5	9.92	82	196939	105.56	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	276963	162.68	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	763885	92.06	ng	0.00
78) Terphenyl-d14	20.63	244	1610788	100.86	ng	0.00

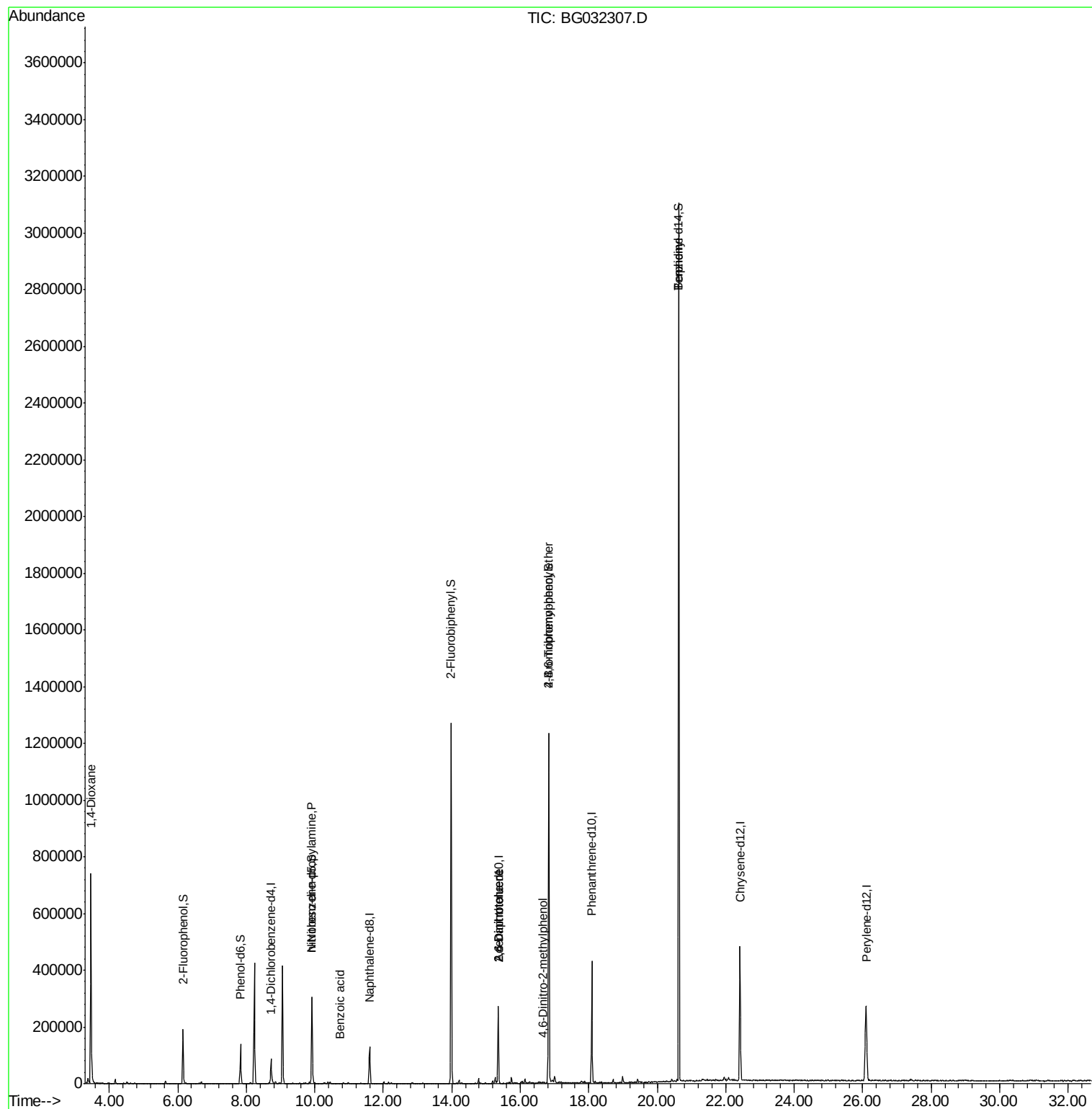
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	8222	13.304	ng	# 1
19) n-Nitroso-di-n-propylamine	9.92	70	29828	23.728	ng	# 76
32) Benzoic acid	10.74	122	136	5.342	ng	# 1
50) 2,6-Dinitrotoluene	15.36	165	12982	6.947	ng	# 21
56) 2,4-Dinitrotoluene	15.36	165	12982	5.160	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.67	198	321	5.039	ng	# 29
66) 4-Bromophenyl-phenylether	16.83	248	24212	5.859	ng	# 1
76) Benzidine	20.63	184	23831	2.702	ng	# 84

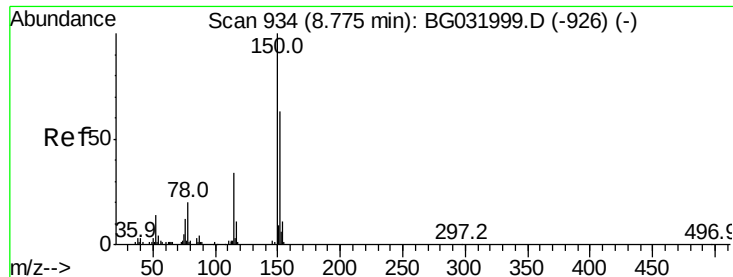
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 924

Delta R.T. -0.01 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

Instrument :

BNA_G

ClientSampleId :

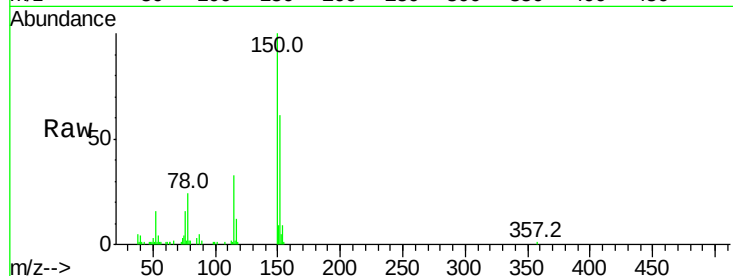
Tot Ion:152 Resp: 29422

Ion Ratio Lower Upper

152 100

150 164.1 126.6 189.8

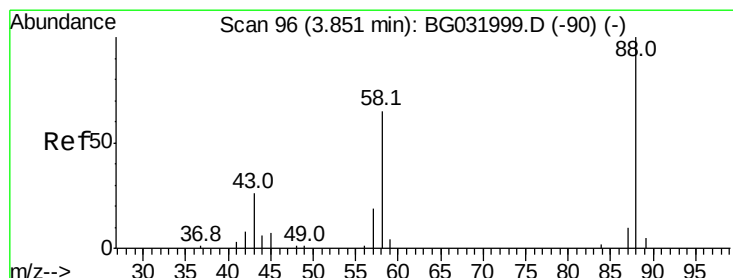
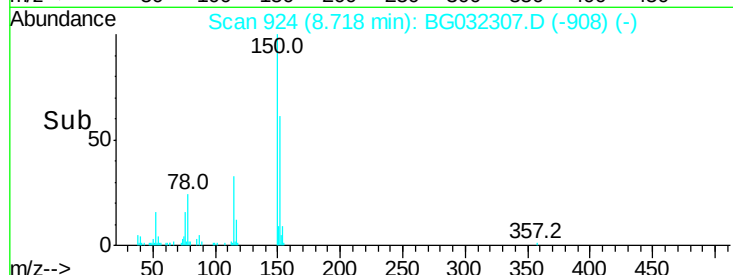
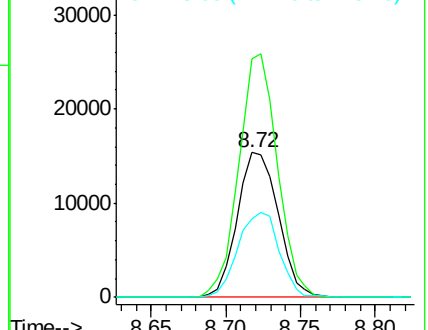
115 53.7 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 13.304 ng

RT: 3.47 min Scan# 30

Delta R.T. -0.36 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

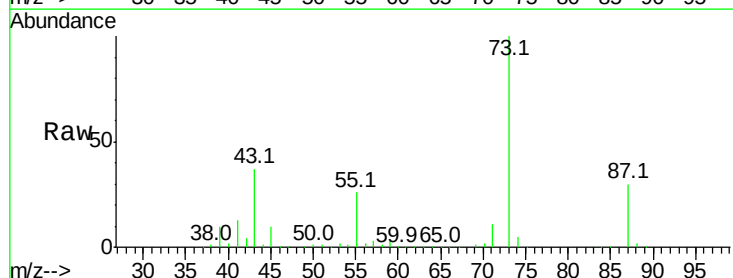
Tgt Ion: 88 Resp: 8222

Ion Ratio Lower Upper

88 100

58 33.3 79.6 119.4#

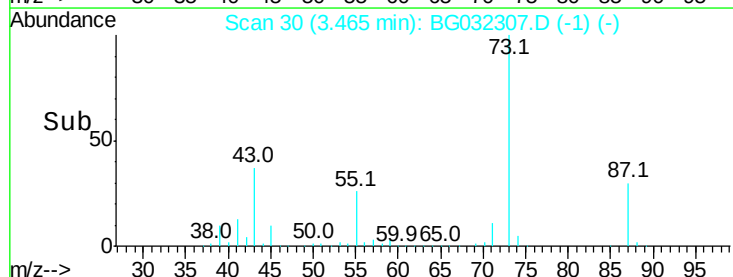
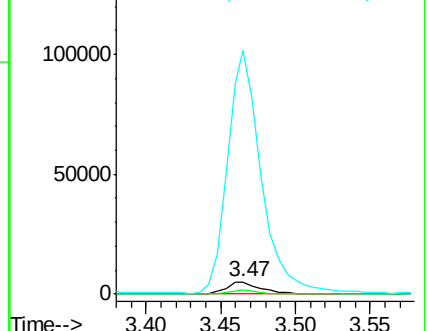
43 1961.1 27.4 41.0#

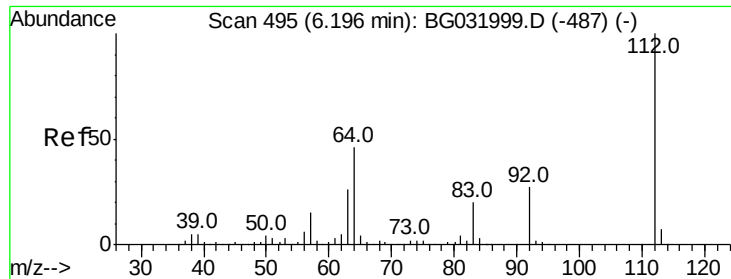


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 61.499 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

Instrument :

BNA_G

ClientSampleId :

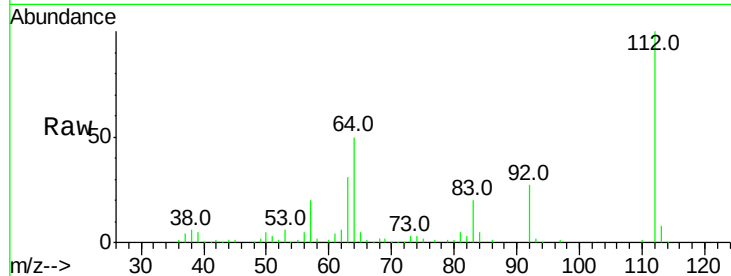
Tot Ion:112 Resp: 98934

Ion Ratio Lower Upper

112 100

64 50.5 56.3 84.5#

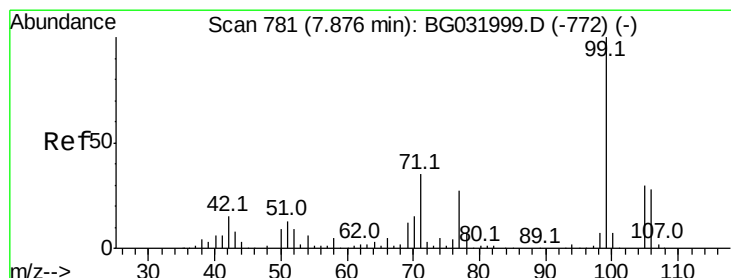
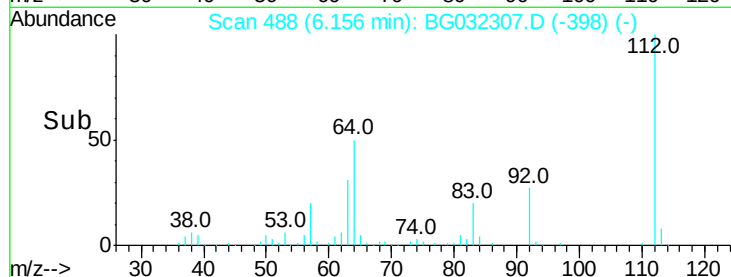
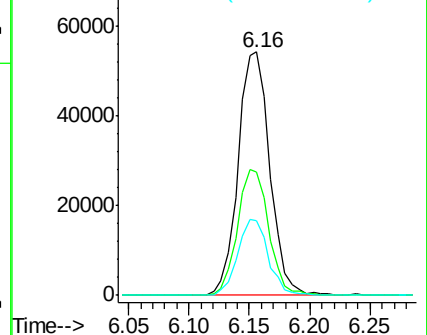
63 30.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 39.504 ng

RT: 7.83 min Scan# 773

Delta R.T. -0.01 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

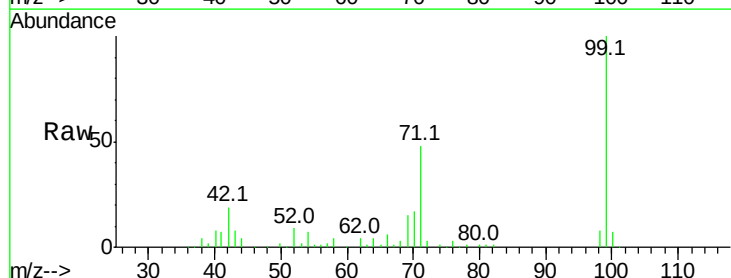
Tgt Ion: 99 Resp: 80038

Ion Ratio Lower Upper

99 100

42 19.5 14.1 21.1

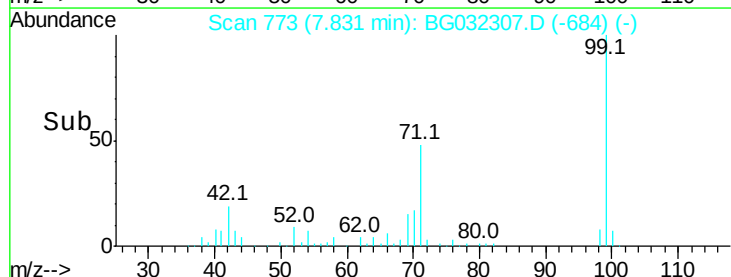
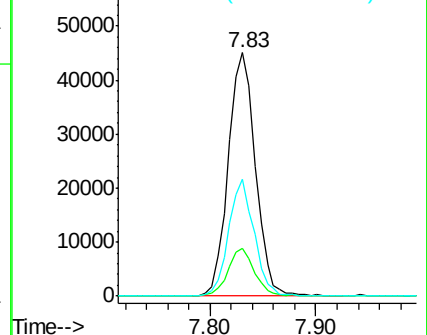
71 48.0 26.1 39.1#

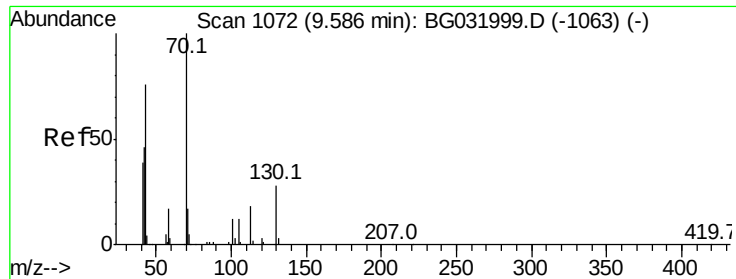


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

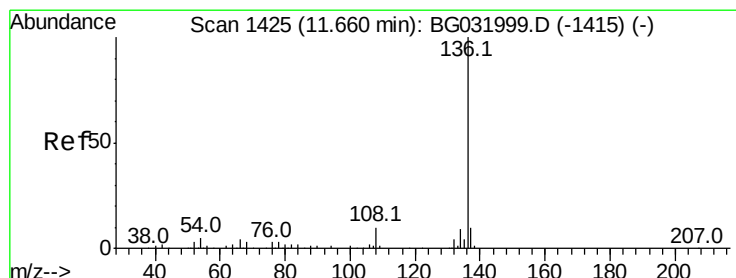
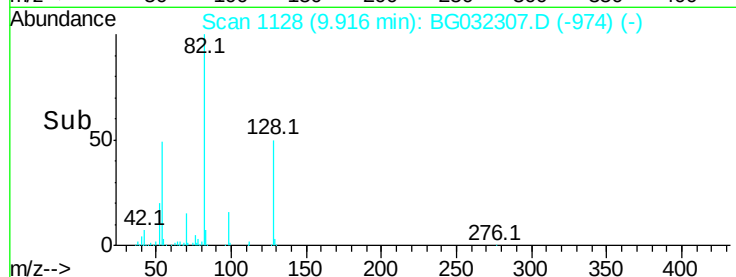
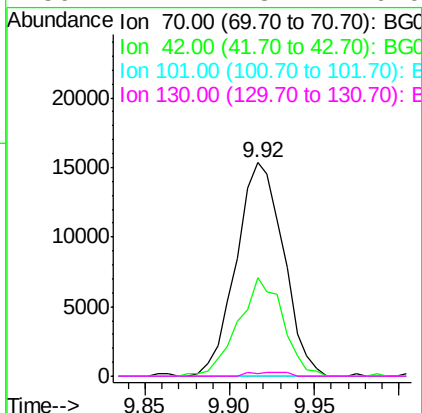
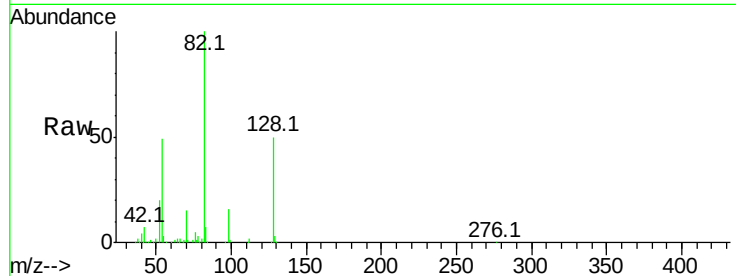




#19
n-Nitroso-di-n-propylamine
Concen: 23.728 ng
RT: 9.92 min Scan# 1128
Delta R.T. 0.38 min
Lab File: BG032307.D
Acq: 25 Jan 2018 23:40

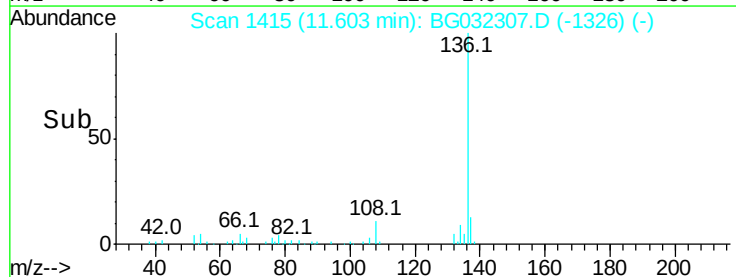
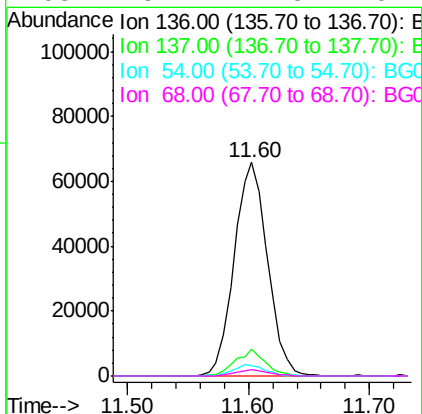
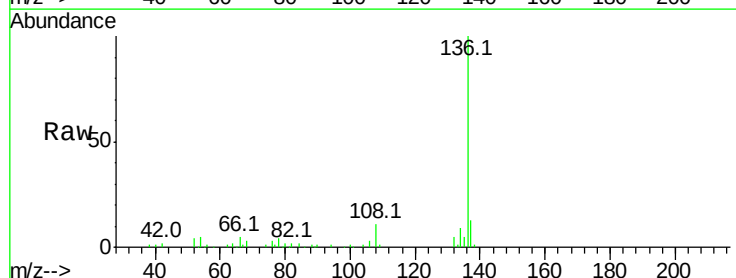
Instrument :
BNA_G
ClientSampleId :

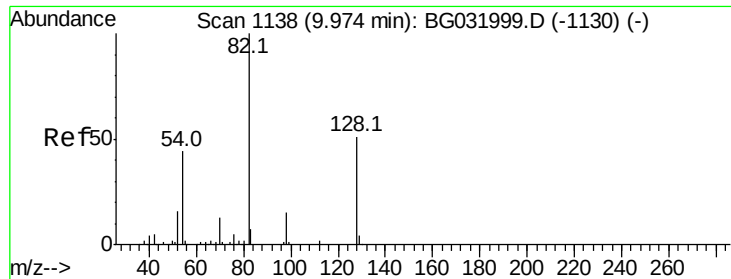
Tot Ion: 70 Resp: 29828
Ion Ratio Lower Upper
70 100
42 46.2 49.1 73.7#
101 0.0 8.5 12.7#
130 1.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032307.D
Acq: 25 Jan 2018 23:40

Tgt Ion: 136 Resp: 126223
Ion Ratio Lower Upper
136 100
137 12.6 9.2 13.8
54 4.6 10.3 15.5#
68 3.2 4.5 6.7#

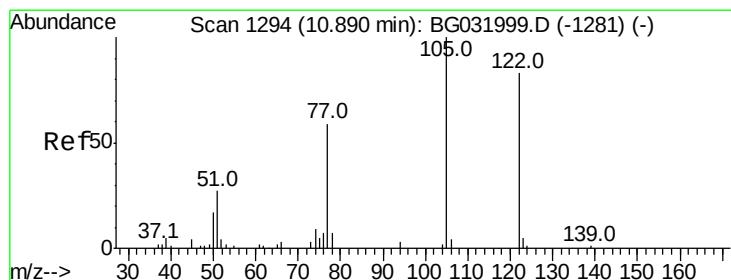
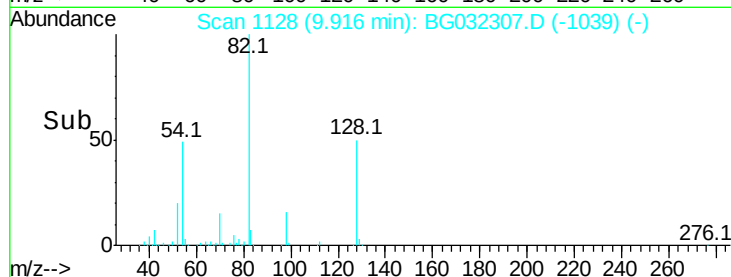
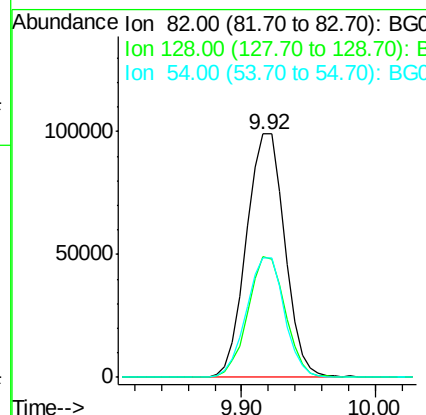
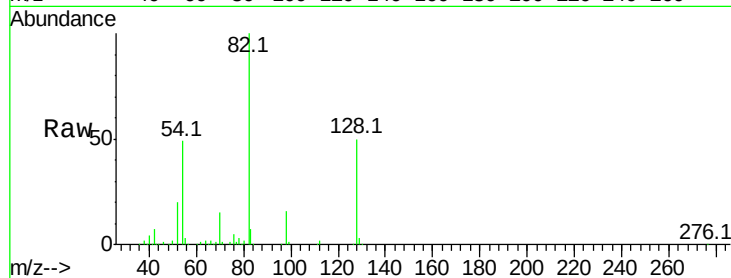




#23
Nitrobenzene-d5
Concen: 105.557 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BG032307.D
Acq: 25 Jan 2018 23:40

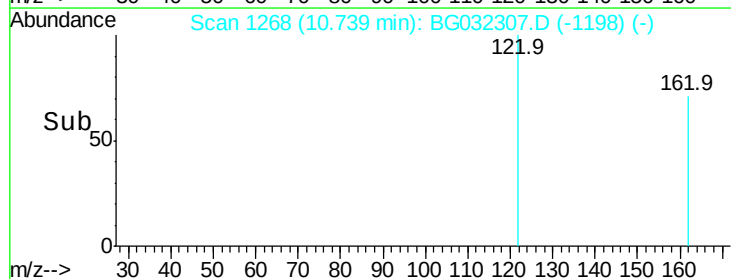
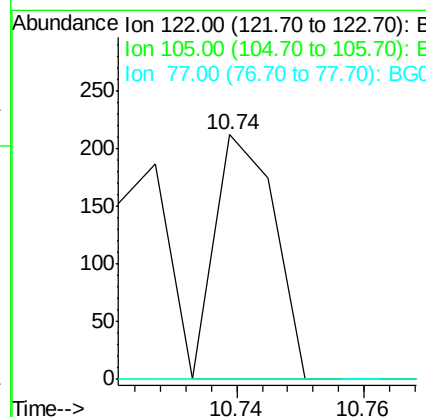
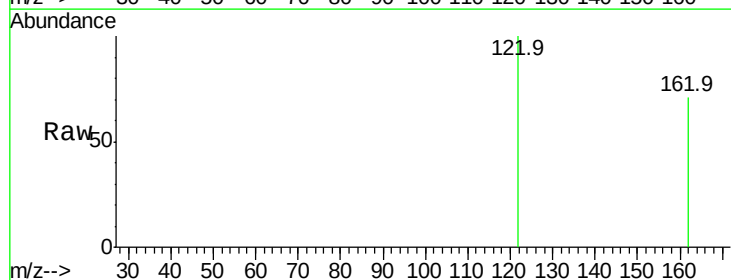
Instrument :
BNA_G
ClientSampleId :

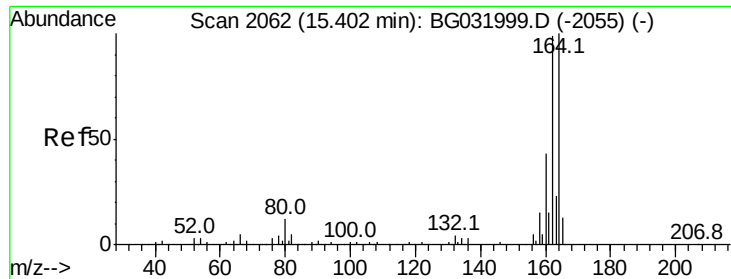
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.7	29.7	44.5#
54	49.3	43.1	64.7



#32
Benzoic acid
Concen: 5.342 ng
RT: 10.74 min Scan# 1268
Delta R.T. -0.12 min
Lab File: BG032307.D
Acq: 25 Jan 2018 23:40

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

Instrument :

BNA_G

ClientSampleId :

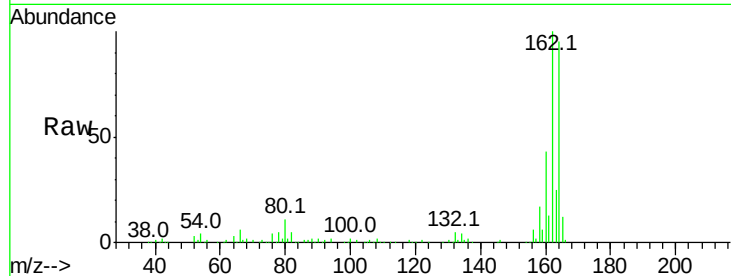
Tot Ion:164 Resp: 102884

Ion Ratio Lower Upper

164 100

162 105.6 78.8 118.2

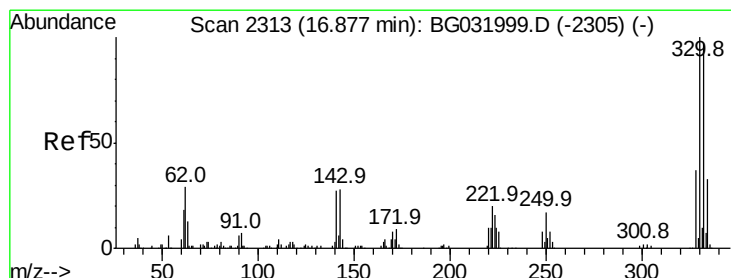
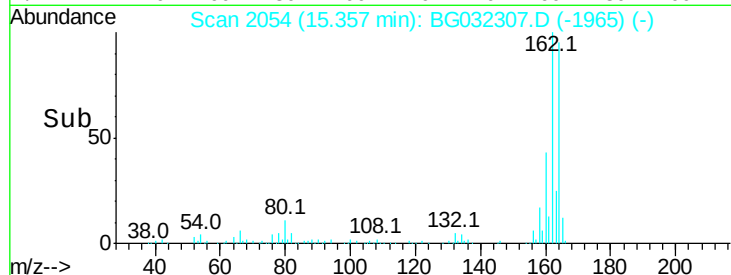
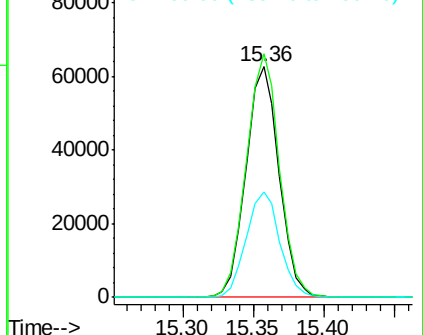
160 45.8 35.4 53.0



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: 162.681 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

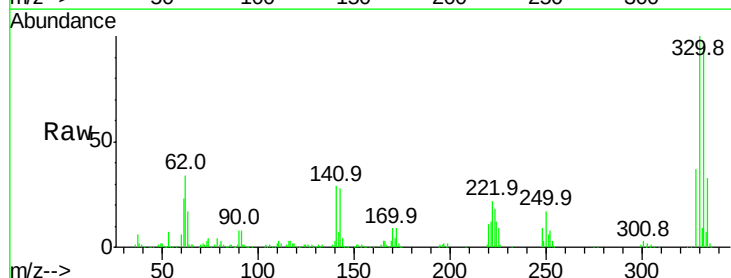
Tgt Ion:330 Resp: 276963

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

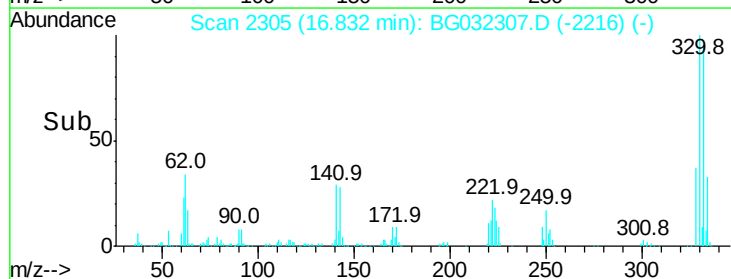
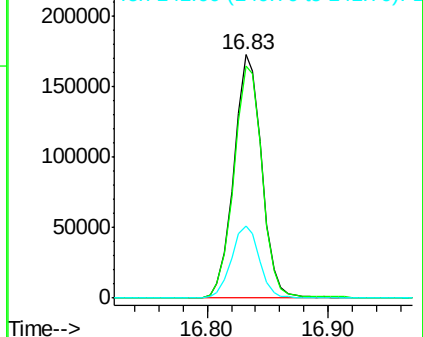
141 29.8 25.2 37.8

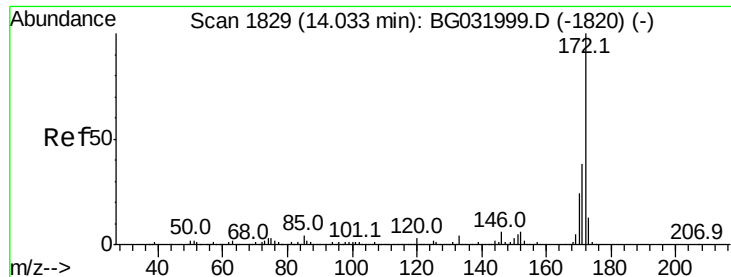


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

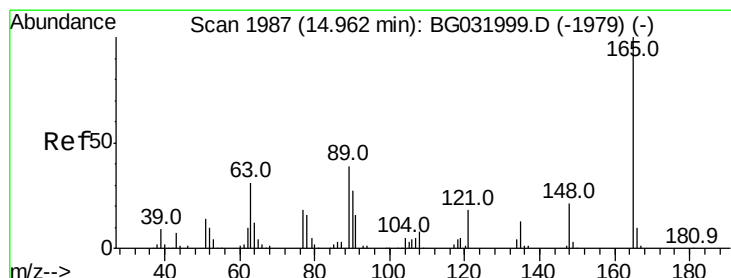
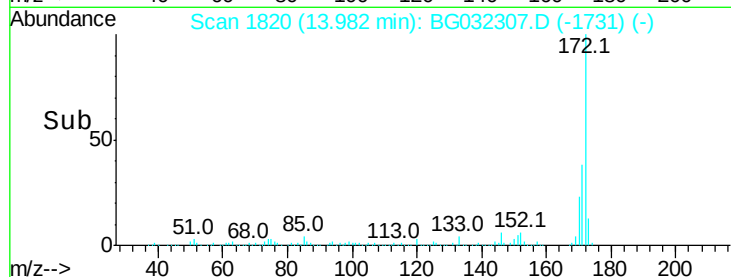
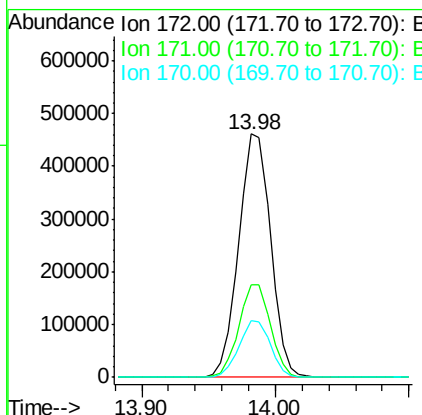
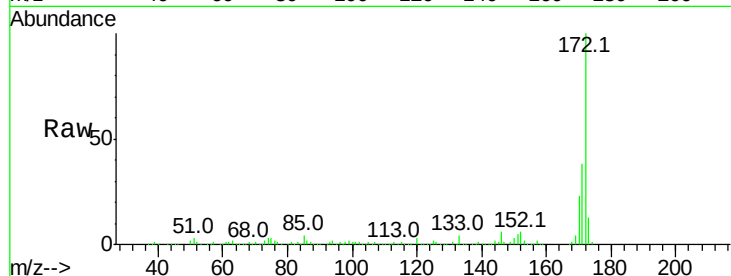




#44
2-Fluorobiphenyl
Concen: 92.063 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BG032307.D
Acq: 25 Jan 2018 23:40

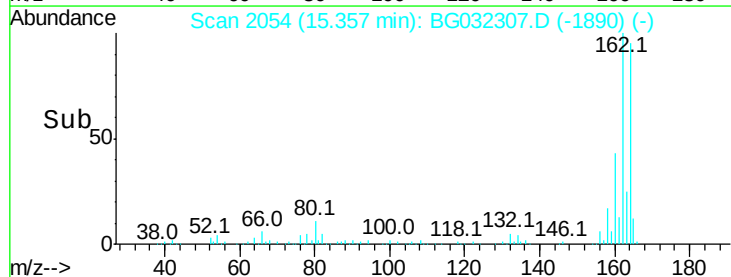
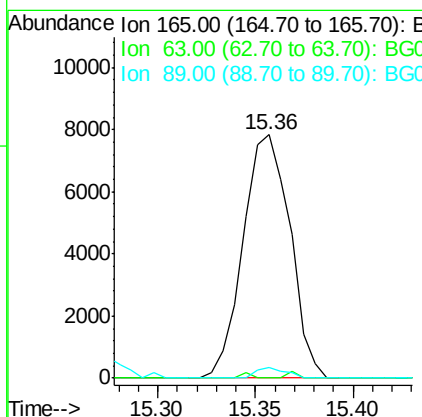
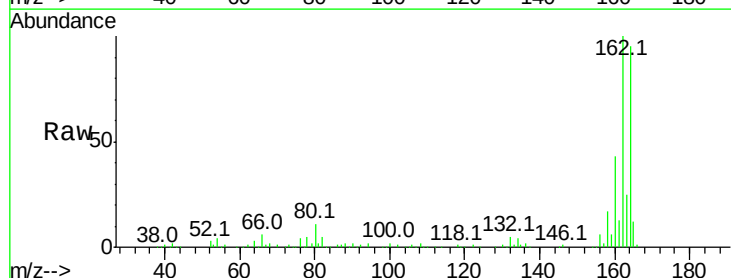
Instrument :
BNA_G
ClientSampleId :

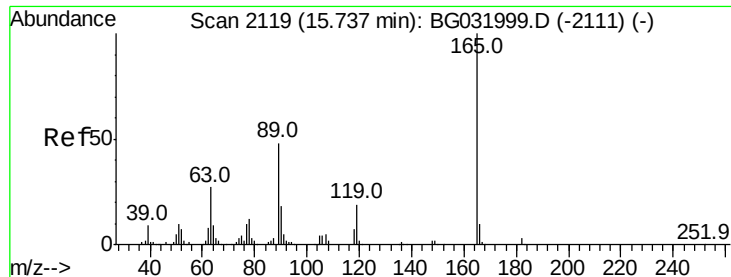
Tot Ion:172 Resp: 763885
Ion Ratio Lower Upper
172 100
171 37.8 30.0 45.0
170 23.4 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 6.947 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.44 min
Lab File: BG032307.D
Acq: 25 Jan 2018 23:40

Tgt Ion:165 Resp: 12982
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 4.2 49.2 73.8#

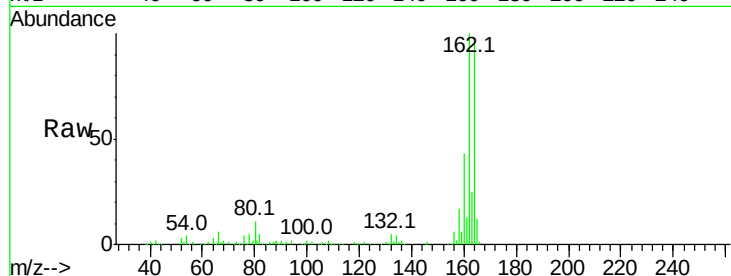




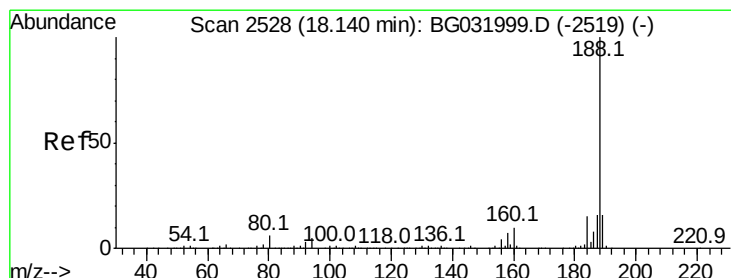
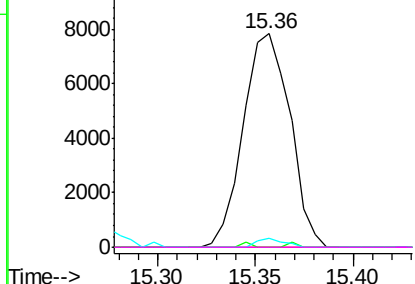
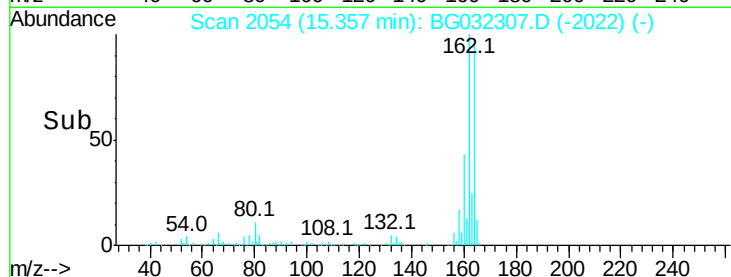
#56
2,4-Dinitrotoluene
Concen: 5.160 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.34 min
Lab File: BG032307.D
Acq: 25 Jan 2018 23:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 12982
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 4.2 66.9 100.3#
182 0.0 2.6 3.8#

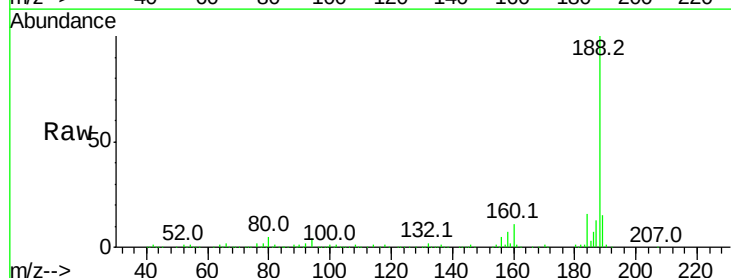


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

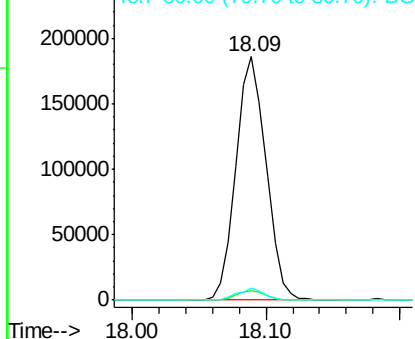
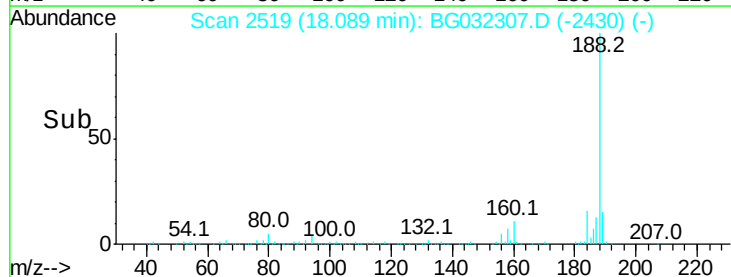


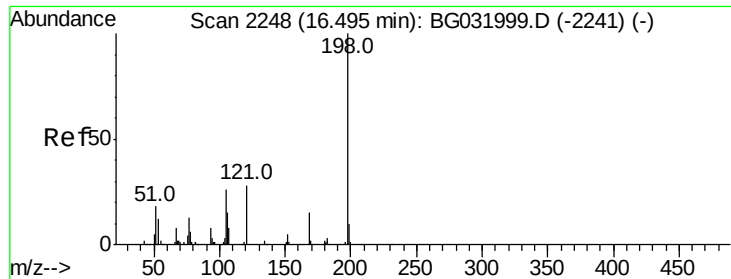
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BG032307.D
Acq: 25 Jan 2018 23:40

Tgt Ion:188 Resp: 290427
Ion Ratio Lower Upper
188 100
94 3.9 6.9 10.3#
80 4.9 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

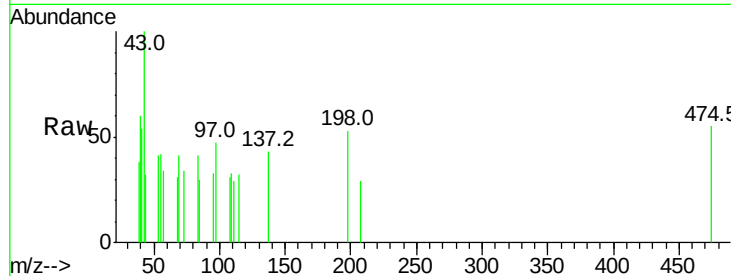




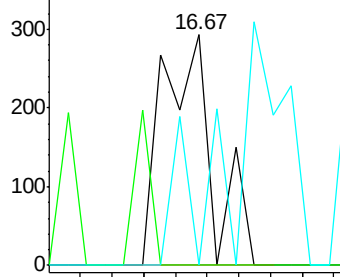
#64
4,6-Dinitro-2-methylphenol
Concen: 5.039 ng
RT: 16.67 min Scan# 2277
Delta R.T. 0.21 min
Lab File: BG032307.D
Acq: 25 Jan 2018 23:40

Instrument :
BNA_G
ClientSampleId :

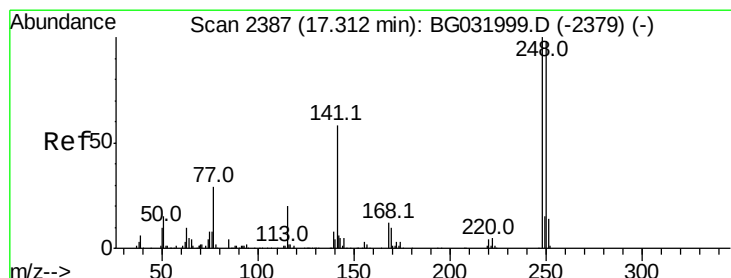
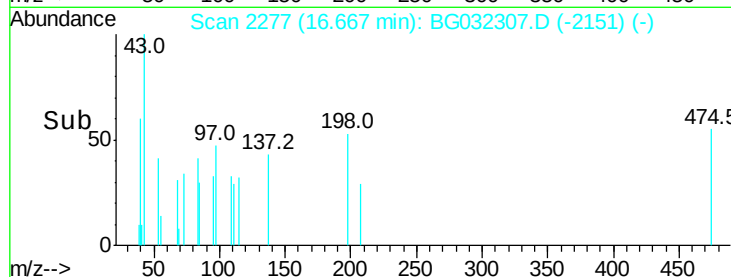
Tot Ion:198 Resp: 321
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 0.0 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

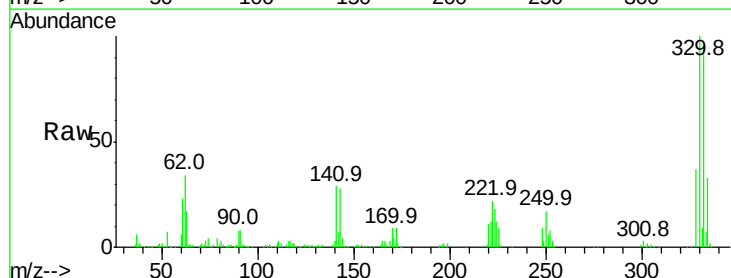


Time-->

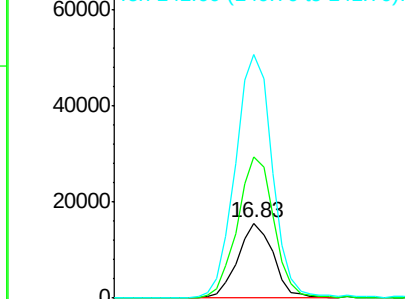


#66
4-Bromophenyl-phenylether
Concen: 5.859 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032307.D
Acq: 25 Jan 2018 23:40

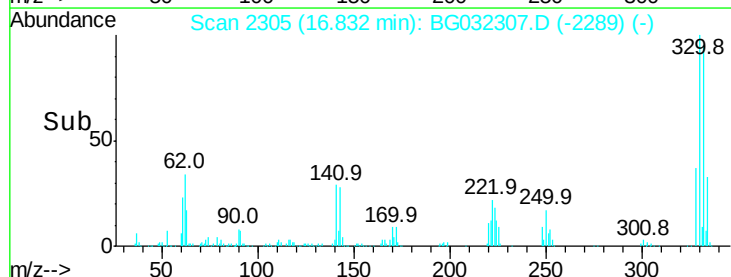
Tgt Ion:248 Resp: 24212
Ion Ratio Lower Upper
248 100
250 189.6 77.1 115.7#
141 325.4 50.8 76.2#

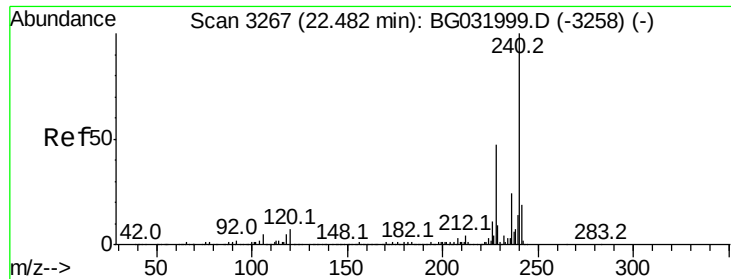


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.41 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

Instrument :

BNA_G

ClientSampleId :

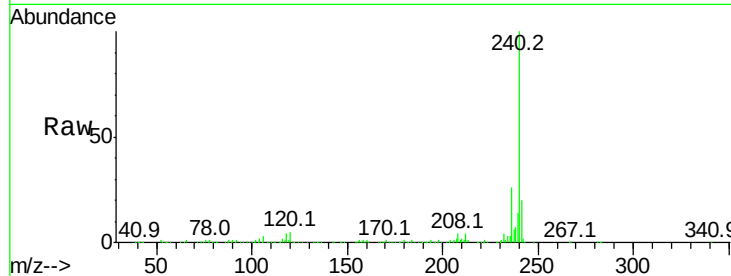
Tot Ion:240 Resp: 352638

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

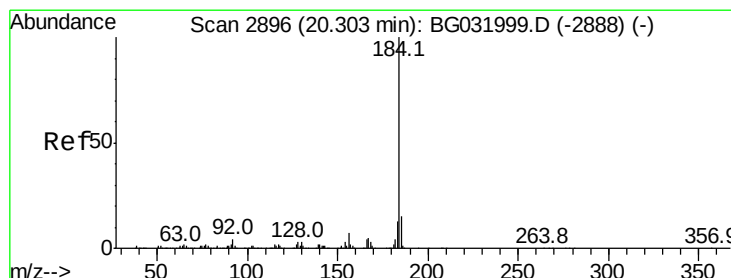
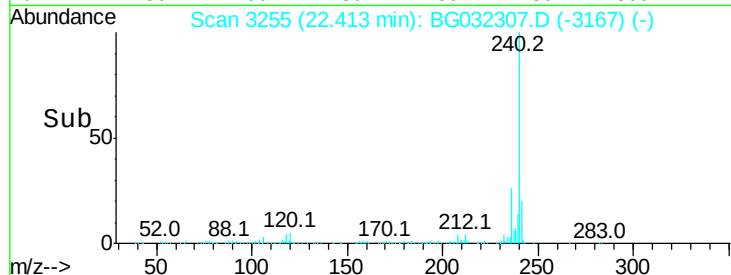
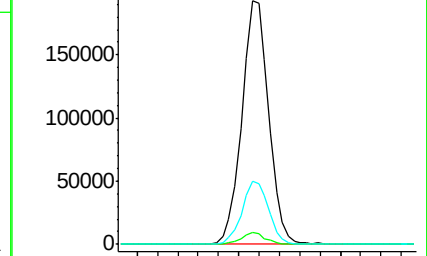
236 26.2 20.9 31.3



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: 2.702 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

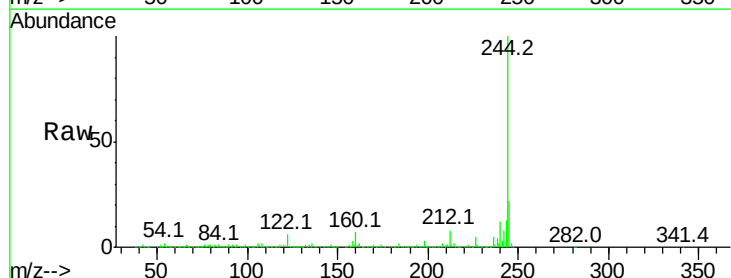
Tgt Ion:184 Resp: 23831

Ion Ratio Lower Upper

184 100

185 21.1 11.1 16.7#

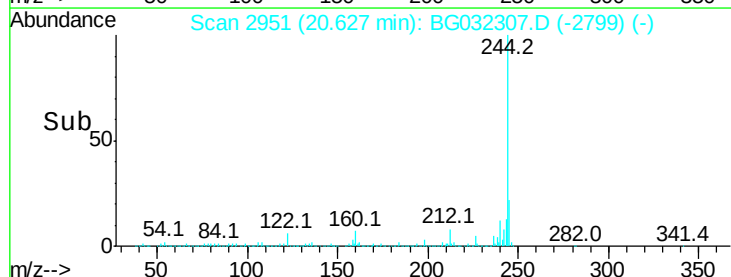
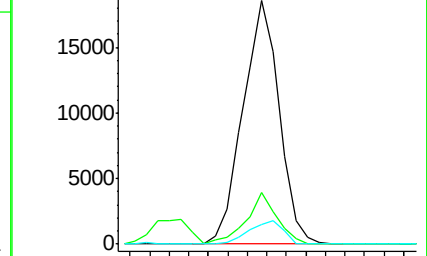
183 7.9 10.6 16.0#

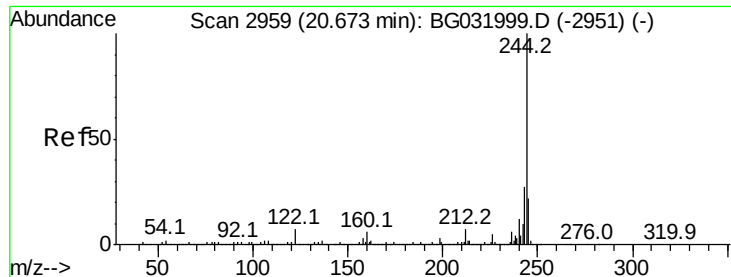


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.860 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

Instrument :

BNA_G

ClientSampleId :

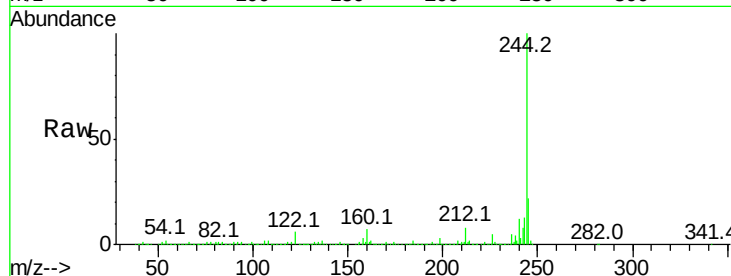
Tot Ion:244 Resp: 1610788

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	5.8	7.0	10.4

244 100

212 7.7 5.8 8.8

122 5.8 7.0 10.4

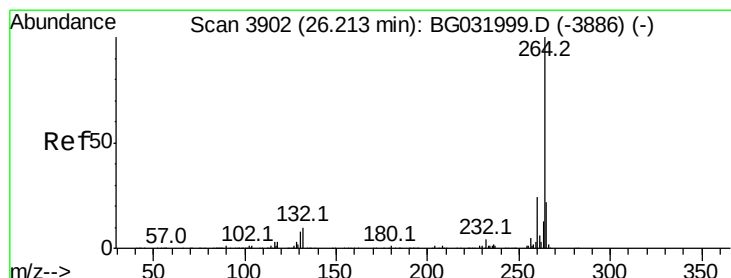
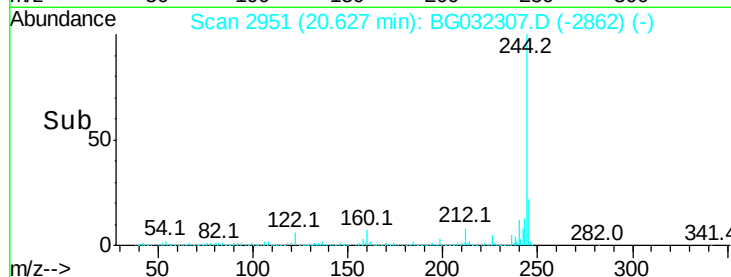
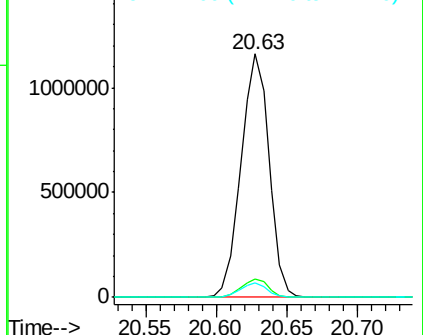


Abundance

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. -0.02 min

Lab File: BG032307.D

Acq: 25 Jan 2018 23:40

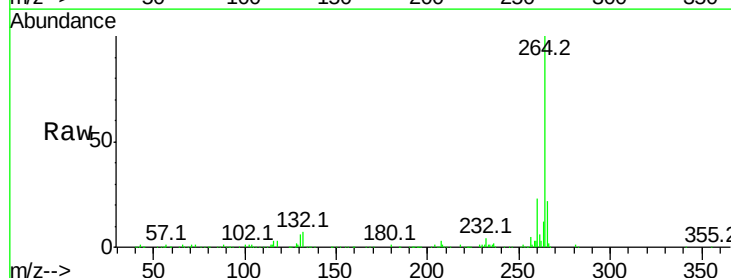
Tgt Ion:264 Resp: 373874

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.4	26.0
265	21.6	17.7	26.5

264 100

260 23.3 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

