

Data Path : U:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032299.D
 Acq On : 25 Jan 2018 18:40
 Operator : SJ/JU
 Sample : J1281-08
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 01:22:42 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	34060	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	137360	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	103899	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	313388	20.00	ng	0.00
75) Chrysene-d12	22.42	240	387755	20.00	ng	0.00
86) Perylene-d12	26.10	264	414531	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	237568	127.57	ng	0.00
7) Phenol-d6	7.84	99	268844	114.62	ng	0.00
23) Nitrobenzene-d5	9.92	82	207500	102.20	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	301734	175.50	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	779227	92.99	ng	0.00
78) Terphenyl-d14	20.63	244	1675154	95.39	ng	0.00

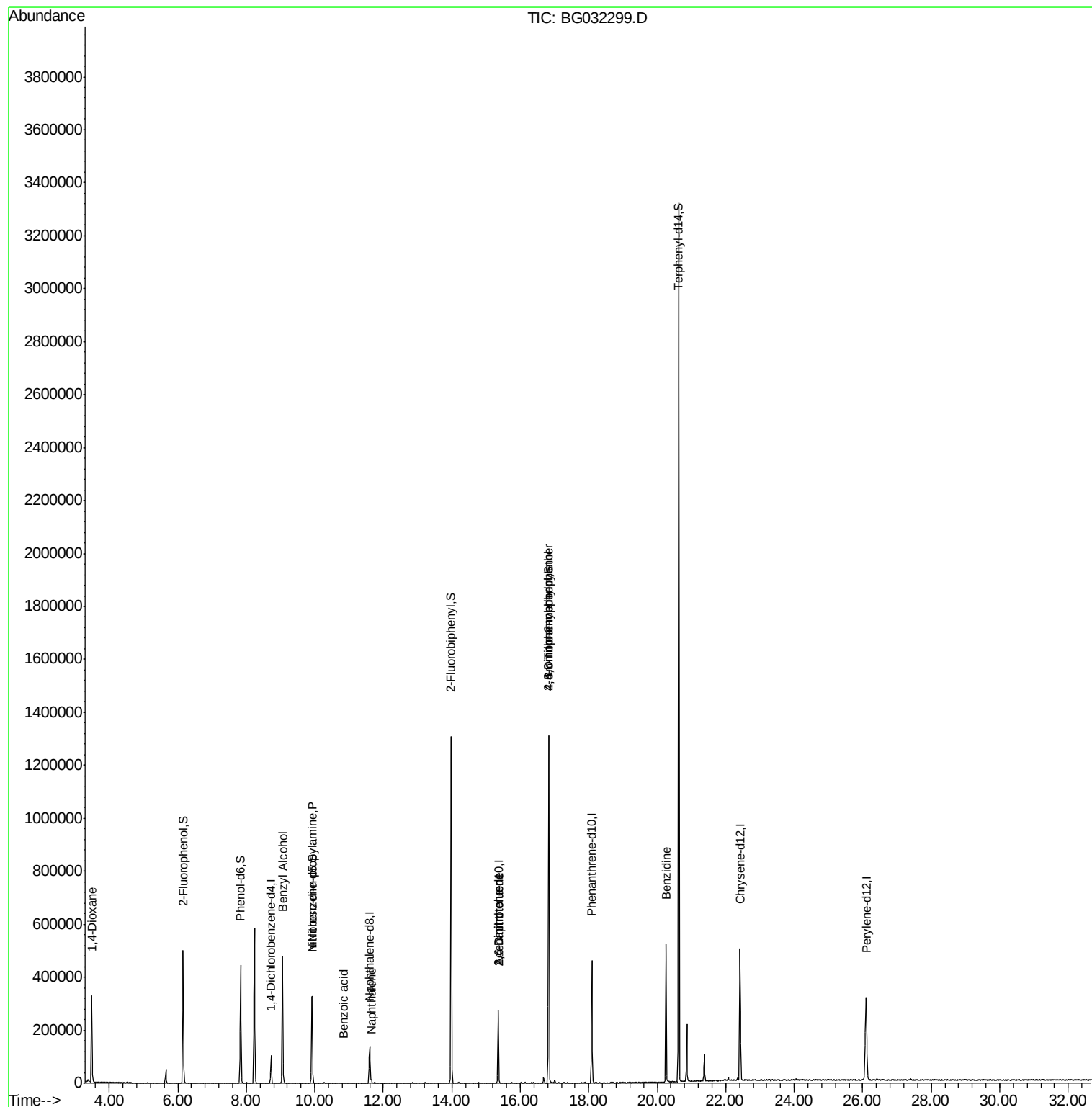
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	2956	4.132	ng	# 1
15) Benzyl Alcohol	9.06	79	3947	2.317	ng	# 50
19) n-Nitroso-di-n-propylamine	9.92	70	30532	20.981	ng	# 72
31) Naphthalene	11.66	128	14916	2.192	ng	# 99
32) Benzoic acid	10.84	122	54	5.287	ng	# 43
50) 2,6-Dinitrotoluene	15.36	165	13397	7.099	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	13397	5.273	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.83	198	974	5.321	ng	# 29
66) 4-Bromophenyl-phenylether	16.83	248	25755	5.776	ng	# 1
76) Benzidine	20.26	184	320907	33.096	ng	# 99

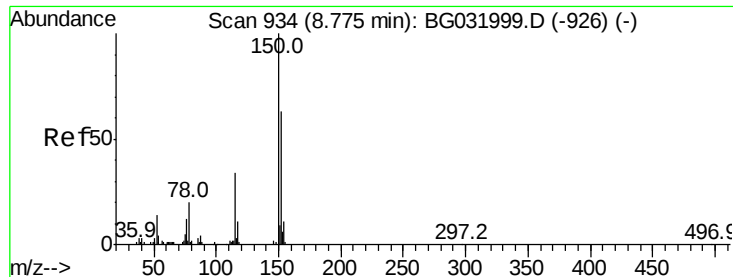
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. 0.00 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

Instrument :

BNA_G

ClientSampleId :

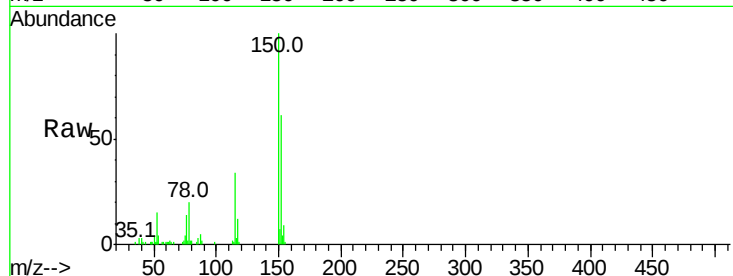
Tot Ion:152 Resp: 34060

Ion Ratio Lower Upper

152 100

150 164.4 126.6 189.8

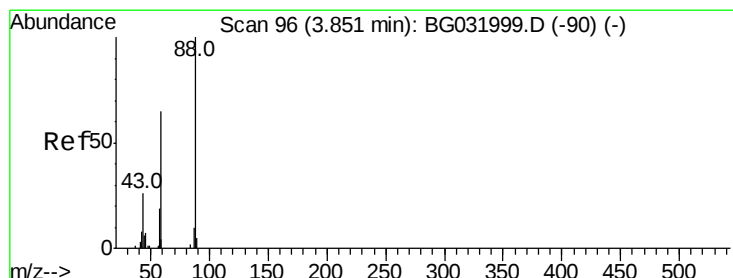
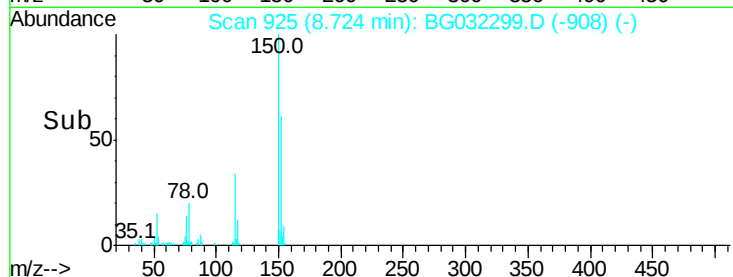
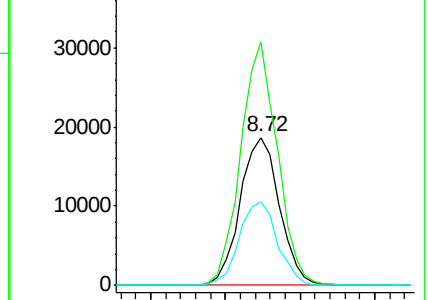
115 56.6 53.0 79.4



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



#2

1,4-Dioxane

Concen: 4.132 ng

RT: 3.49 min Scan# 34

Delta R.T. -0.33 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

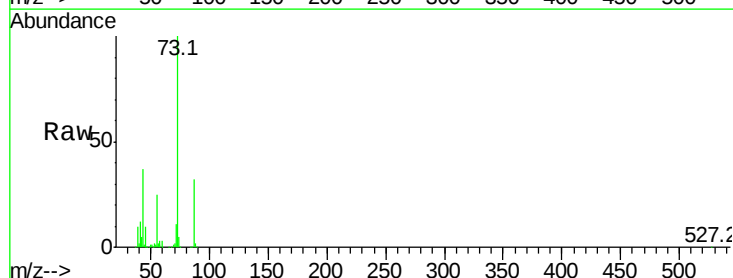
Tgt Ion: 88 Resp: 2956

Ion Ratio Lower Upper

88 100

58 58.1 79.6 119.4#

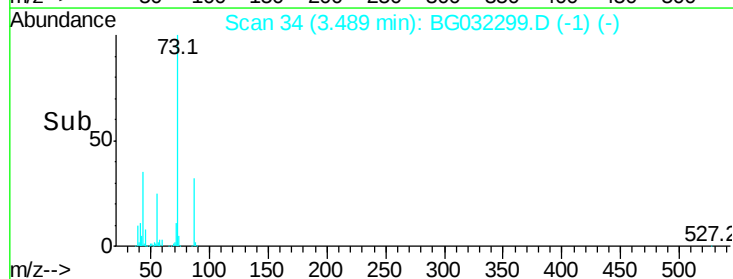
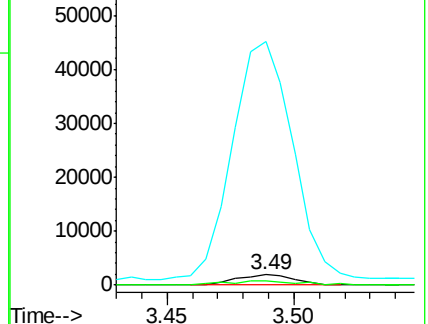
43 2483.1 27.4 41.0#

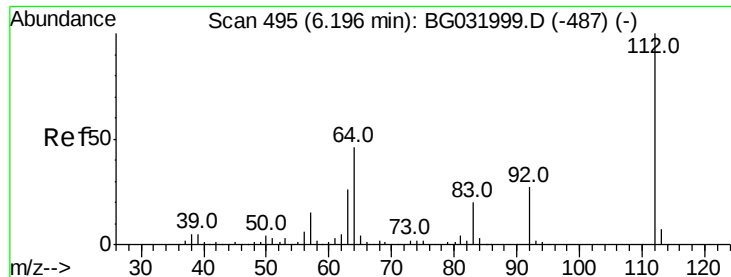


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 127.568 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

Instrument :

BNA_G

ClientSampleId :

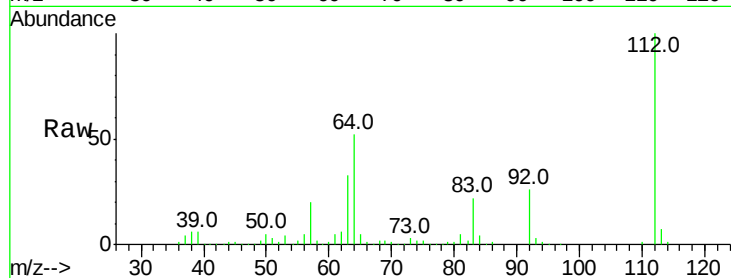
Tot Ion:112 Resp: 237568

Ion Ratio Lower Upper

112 100

64 51.8 56.3 84.5#

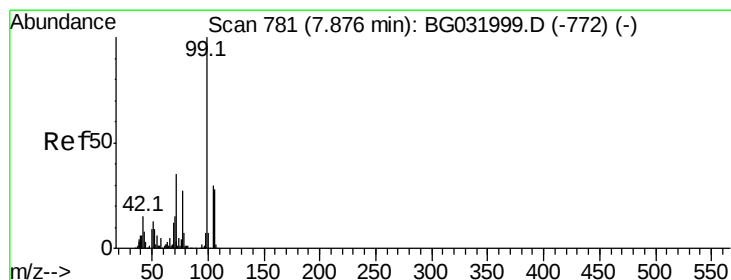
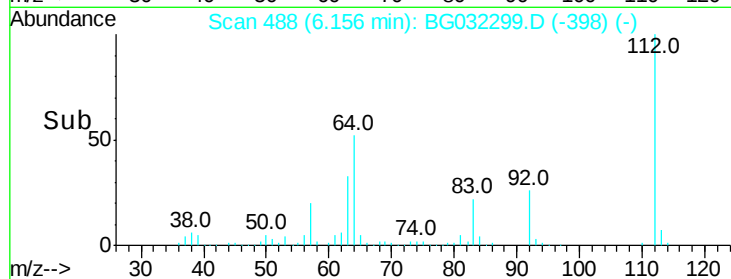
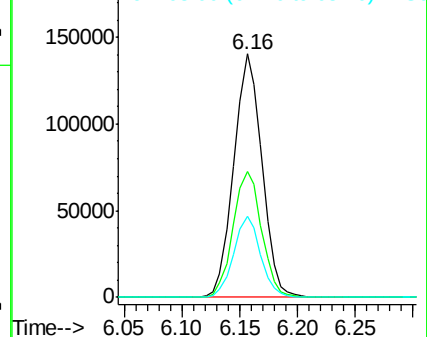
63 33.4 30.1 45.1



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: 114.624 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

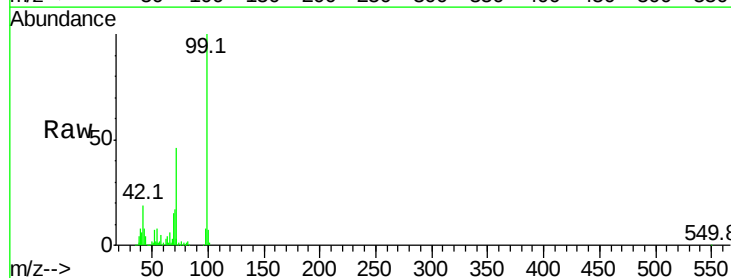
Tgt Ion: 99 Resp: 268844

Ion Ratio Lower Upper

99 100

42 19.2 14.1 21.1

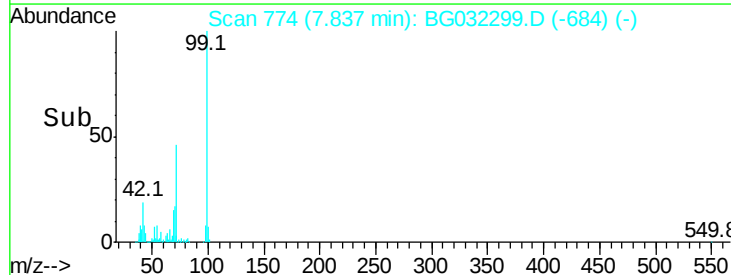
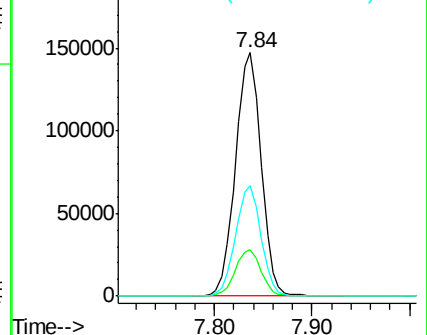
71 45.6 26.1 39.1#

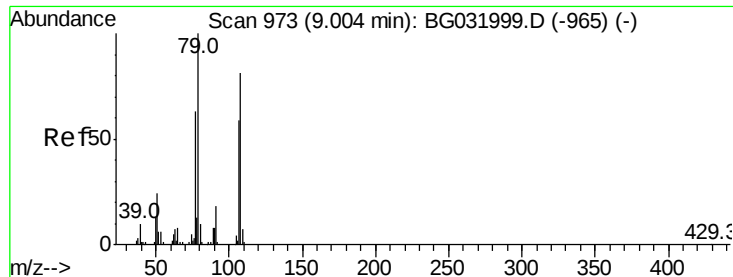


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.317 ng

RT: 9.06 min Scan# 983

Delta R.T. 0.10 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

Instrument :

BNA_G

ClientSampleId :

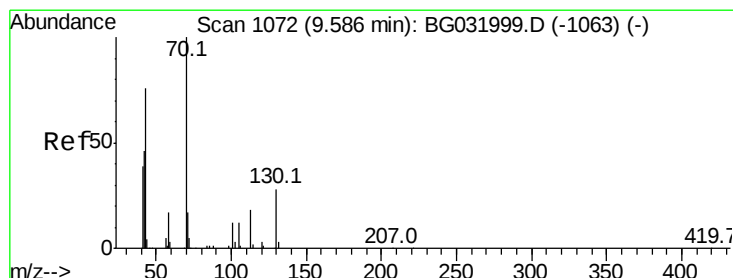
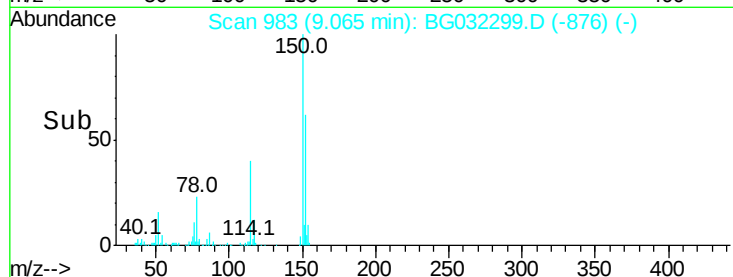
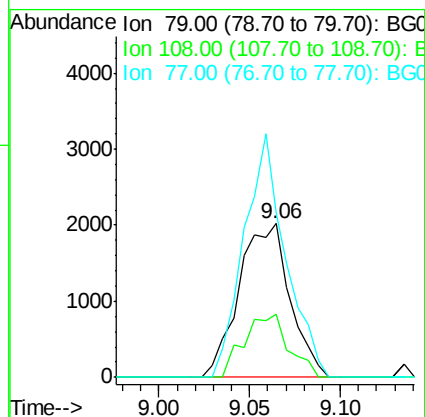
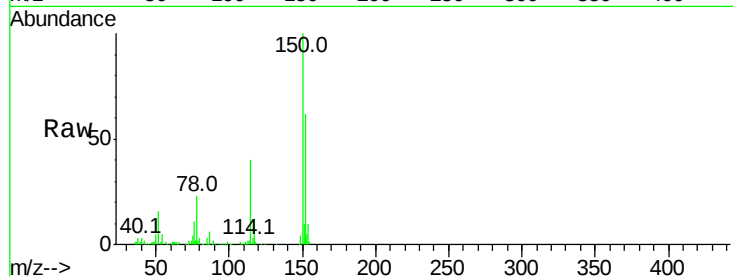
Tot Ion: 79 Resp: 3947

Ion Ratio Lower Upper

79 100

108 41.1 57.2 85.8#

77 106.8 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.981 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

Tgt Ion: 70 Resp: 30532

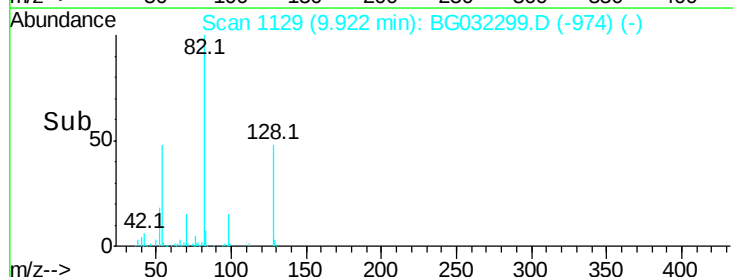
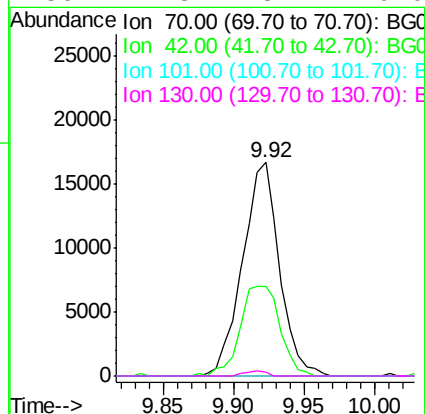
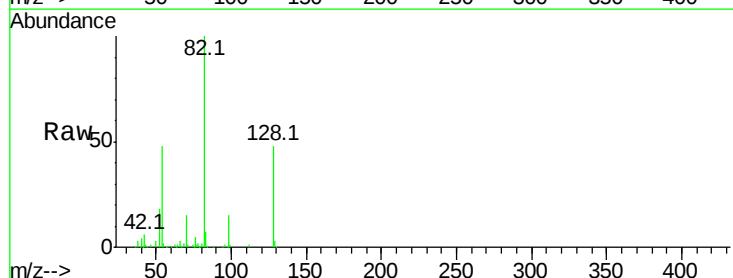
Ion Ratio Lower Upper

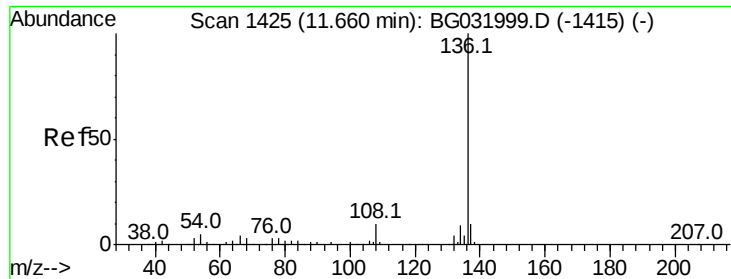
70 100

42 41.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

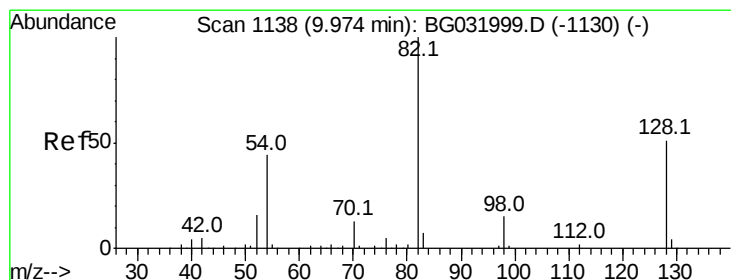
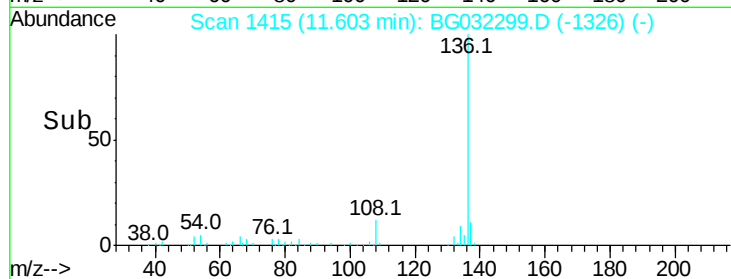
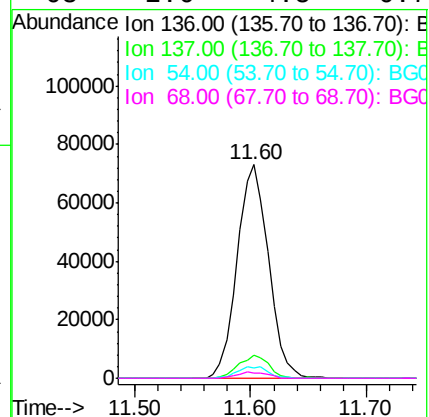
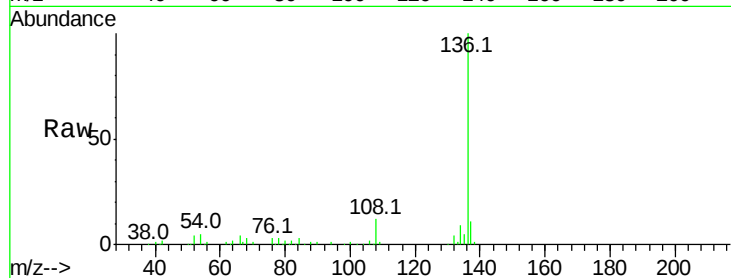




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032299.D
Acq: 25 Jan 2018 18:40

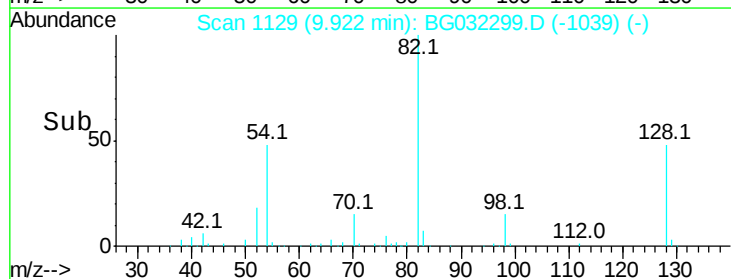
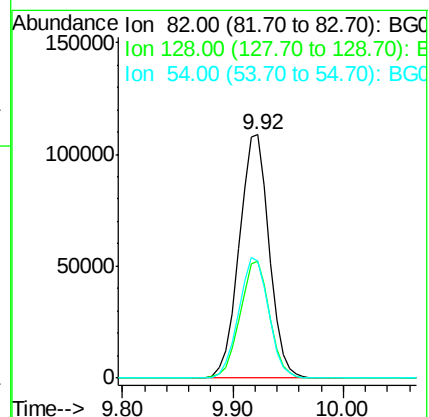
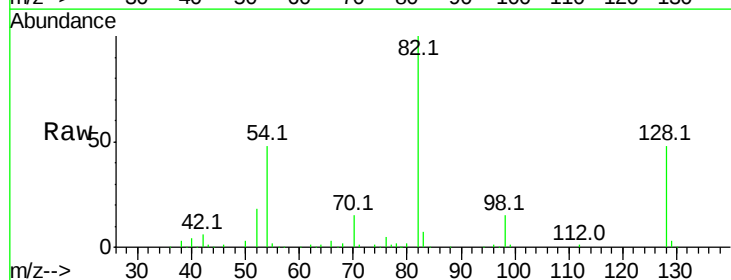
Instrument :
BNA_G
ClientSampleId :

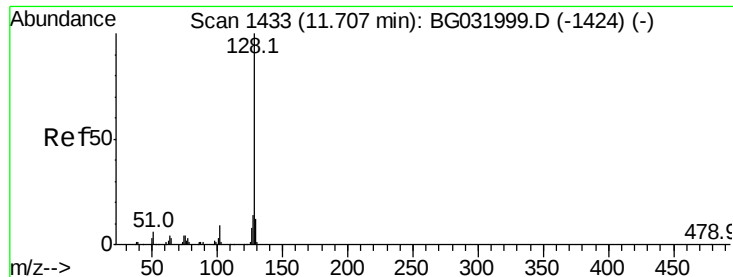
Tot Ion:	136	Resp:	137360
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	4.7	10.3	15.5#
68	2.6	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 102.201 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BG032299.D
Acq: 25 Jan 2018 18:40

Tgt Ion:	82	Resp:	207500
Ion	Ratio	Lower	Upper
82	100		
128	47.9	29.7	44.5#
54	48.3	43.1	64.7





#31

Naphthalene

Concen: 2.192 ng

RT: 11.66 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

Instrument :

BNA_G

ClientSampleId :

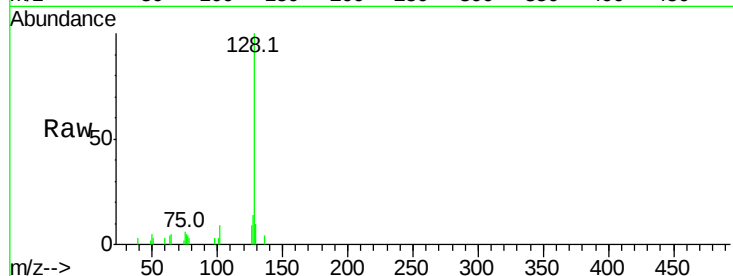
Tot Ion:128 Resp: 14916

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

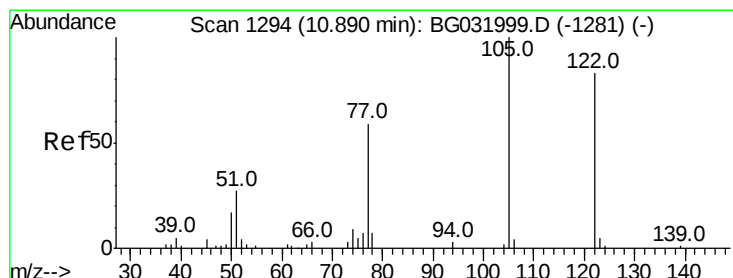
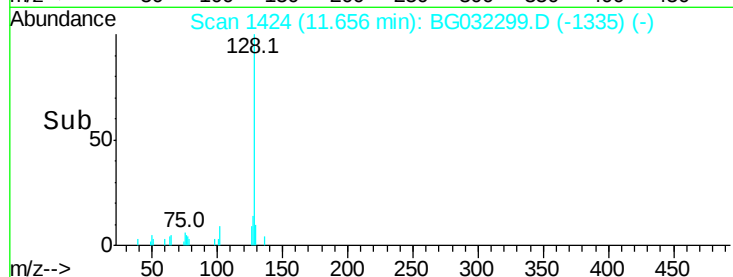
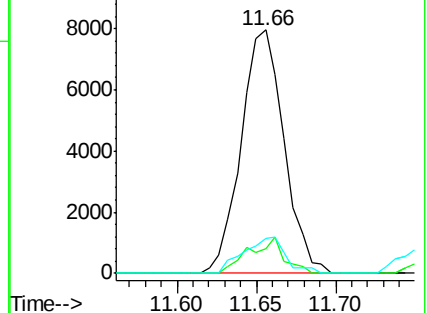
127 14.2 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.287 ng

RT: 10.84 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

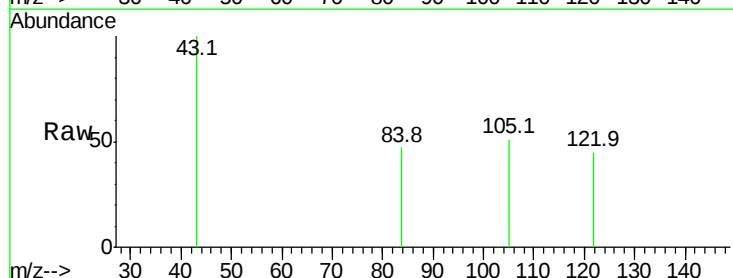
Tgt Ion:122 Resp: 54

Ion Ratio Lower Upper

122 100

105 113.6 123.5 163.5#

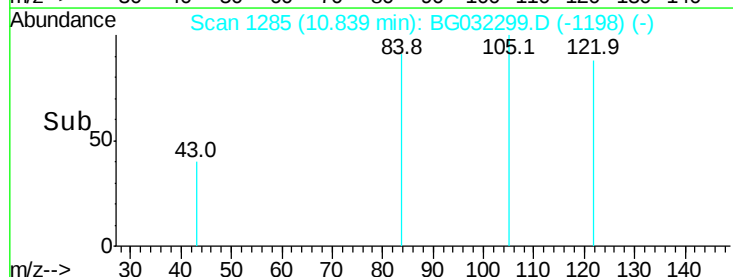
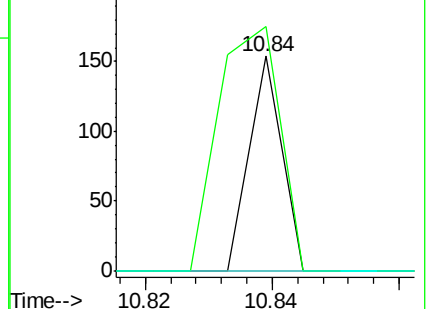
77 0.0 85.7 125.7#

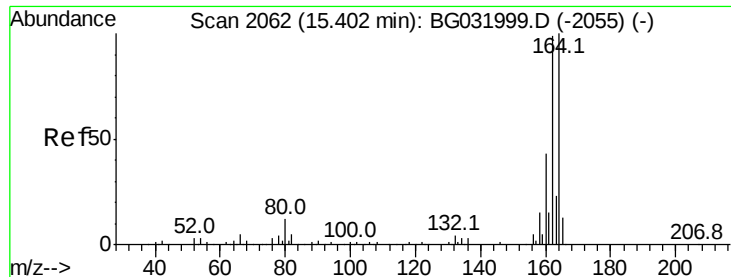


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

Instrument :

BNA_G

ClientSampleId :

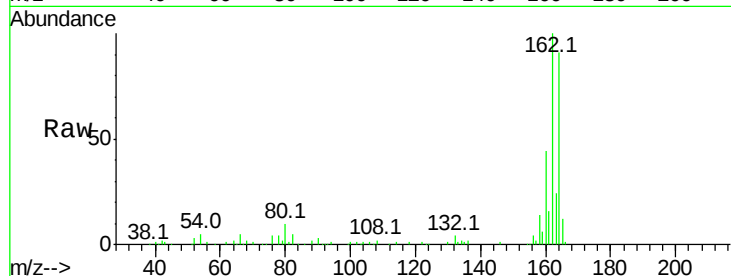
Tot Ion:164 Resp: 103899

Ion Ratio Lower Upper

164 100

162 109.9 78.8 118.2

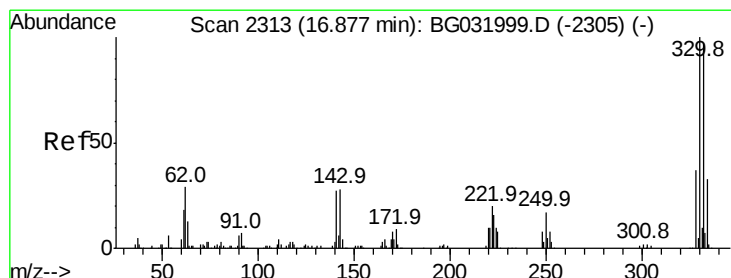
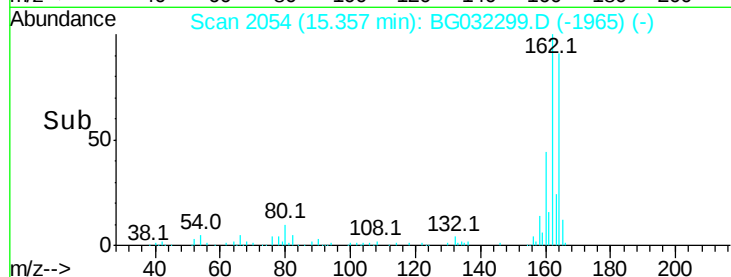
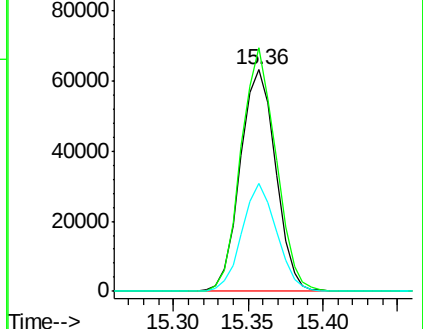
160 48.6 35.4 53.0



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: 175.500 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

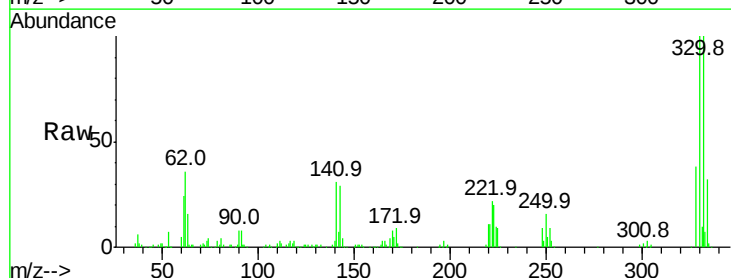
Tgt Ion:330 Resp: 301734

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

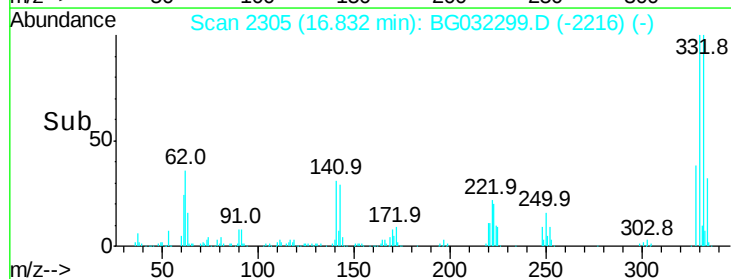
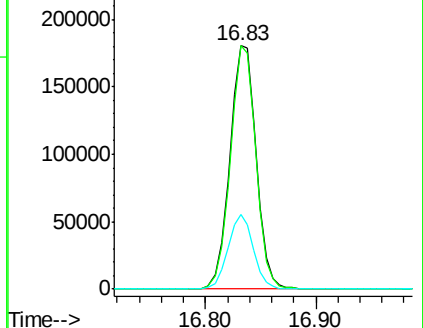
141 29.2 25.2 37.8

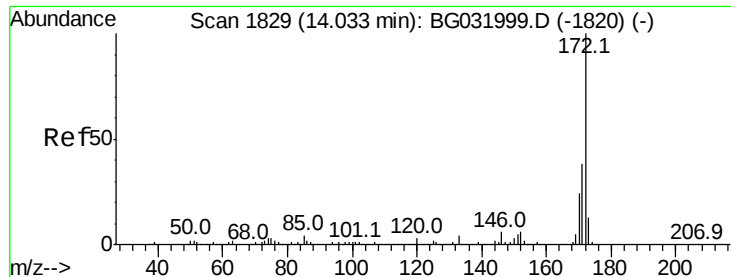


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

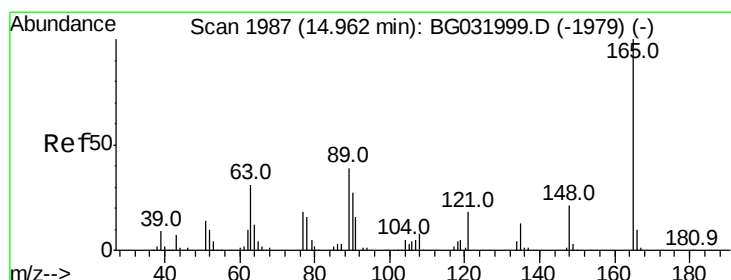
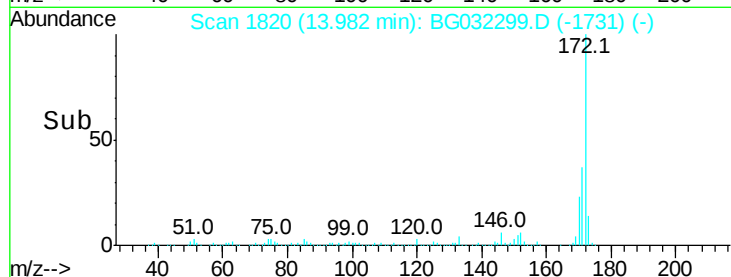
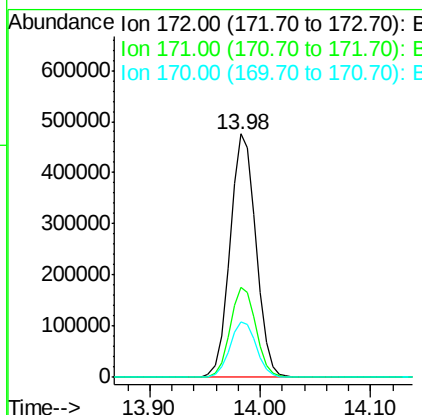
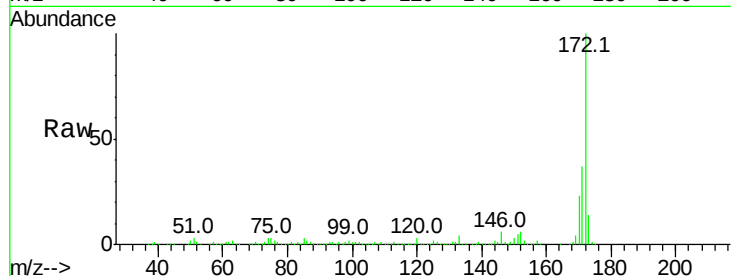




#44
 2-Fluorobiphenyl
 Concen: 92.994 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BG032299.D
 Acq: 25 Jan 2018 18:40

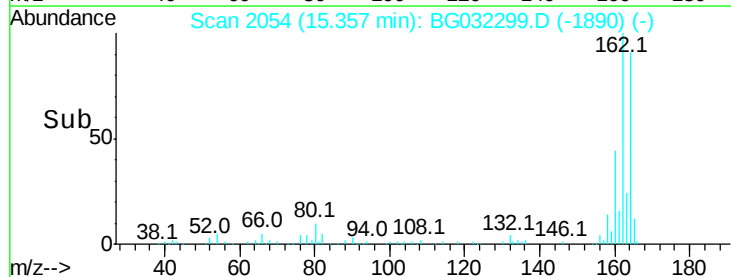
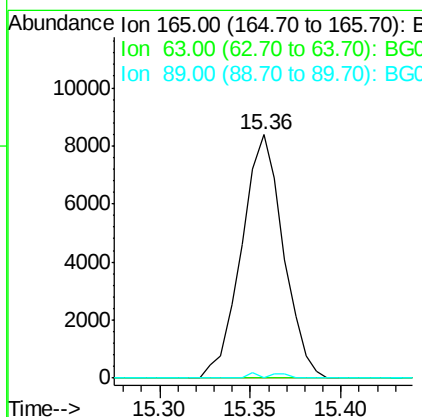
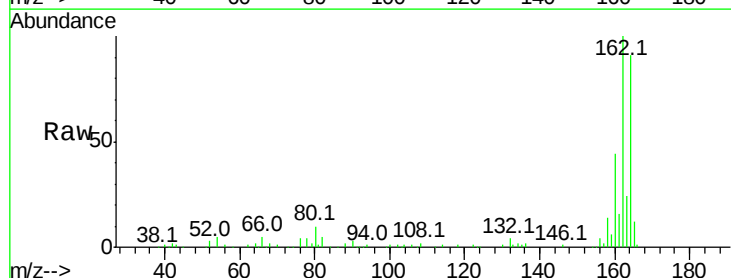
Instrument :
 BNA_G
 ClientSampleId :

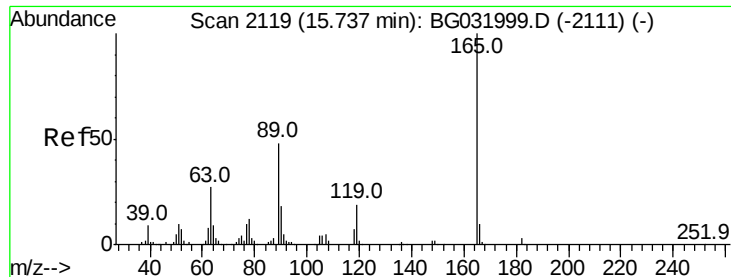
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.0	45.0
170	22.8	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.099 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.44 min
 Lab File: BG032299.D
 Acq: 25 Jan 2018 18:40

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

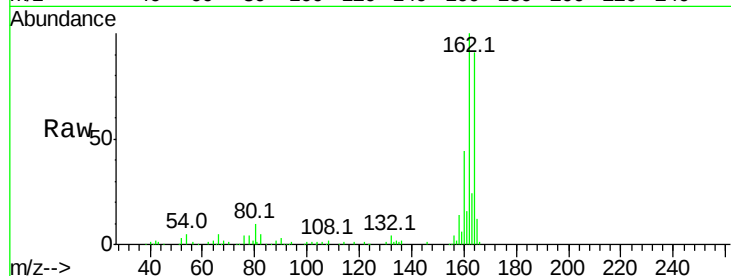




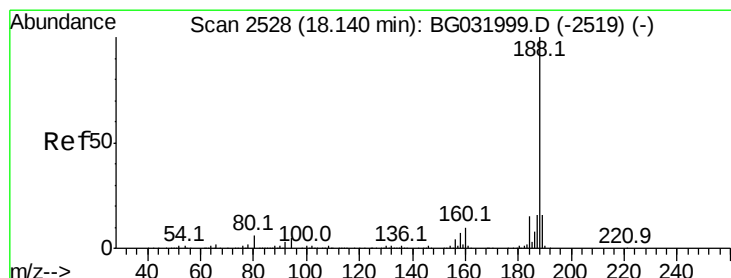
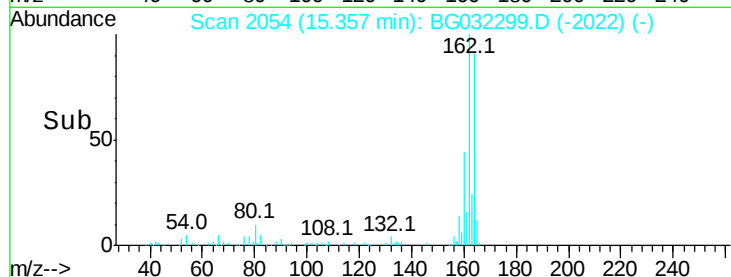
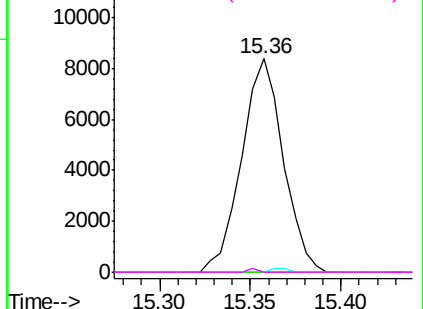
#56
 2,4-Dinitrotoluene
 Concen: 5.273 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032299.D
 Acq: 25 Jan 2018 18:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 13397
 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#

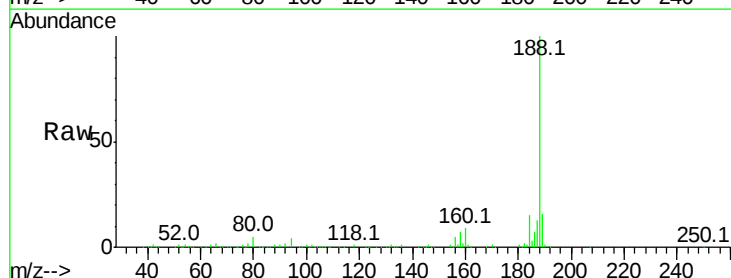


Abundance Ion 165.00 (164.70 to 165.70): E

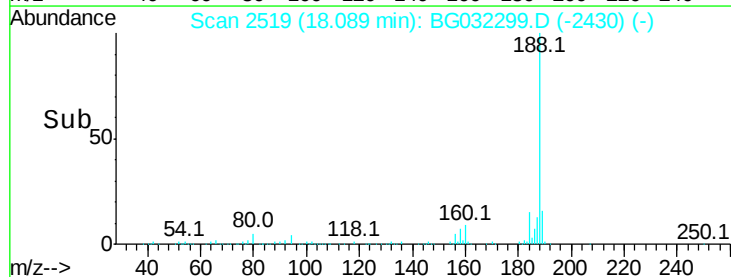
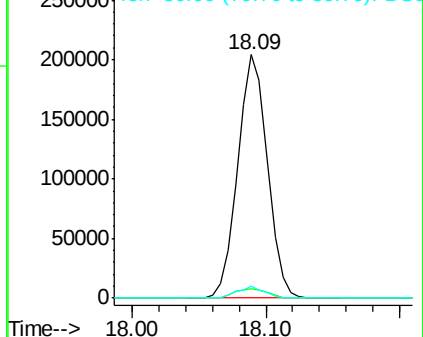


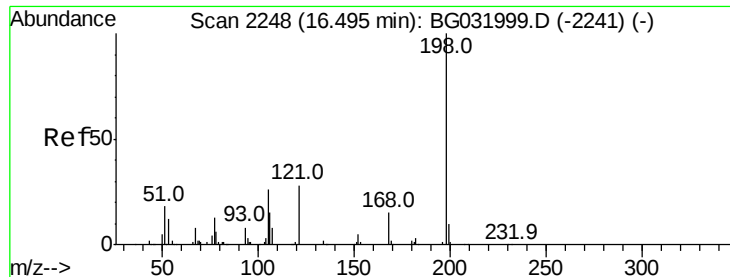
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032299.D
 Acq: 25 Jan 2018 18:40

Tgt Ion:188 Resp: 313388
 Ion Ratio Lower Upper
 188 100
 94 3.7 6.9 10.3#
 80 4.7 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 5.321 ng

RT: 16.83 min Scan# 2305

Delta R.T. 0.38 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

Instrument :

BNA_G

ClientSampled :

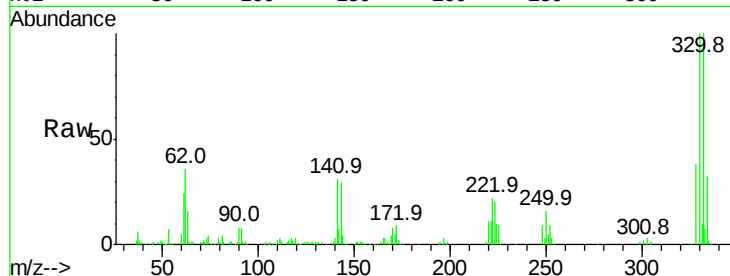
Tot Ion:198 Resp: 974

Ion Ratio Lower Upper

198 100

51 77.4 30.6 70.6#

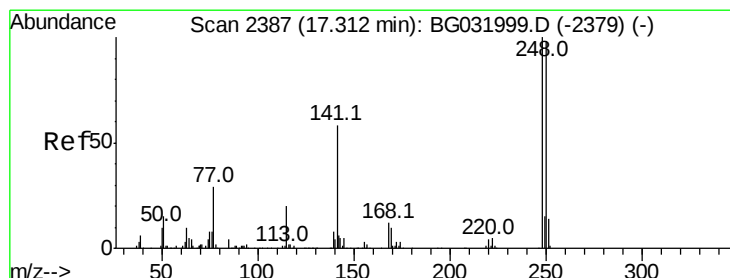
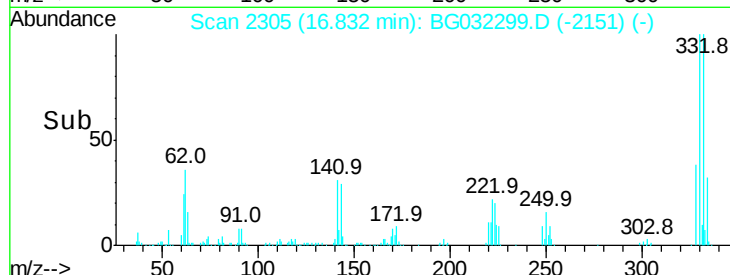
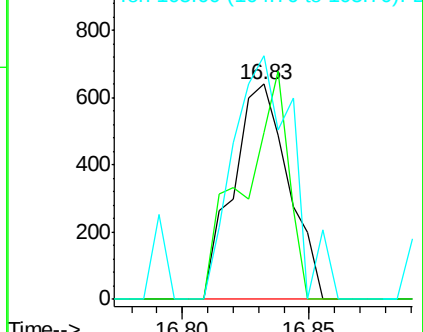
105 113.1 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG031999.D (-2241) (-)

Ion 105.00 (104.70 to 105.70): BG031999.D (-2241) (-)



#66

4-Bromophenyl-phenylether

Concen: 5.776 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.43 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

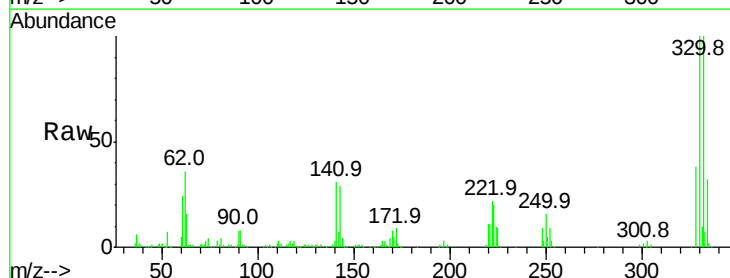
Tgt Ion:248 Resp: 25755

Ion Ratio Lower Upper

248 100

250 178.6 77.1 115.7#

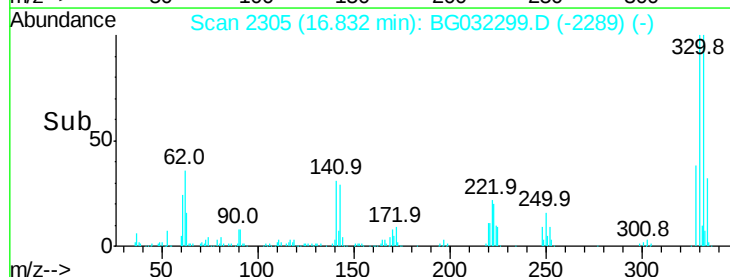
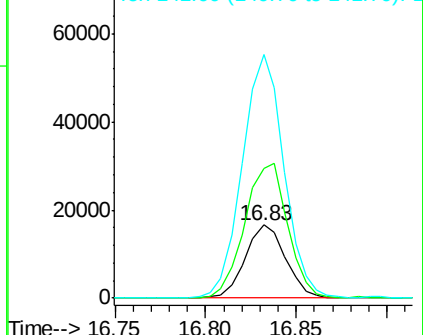
141 333.9 50.8 76.2#

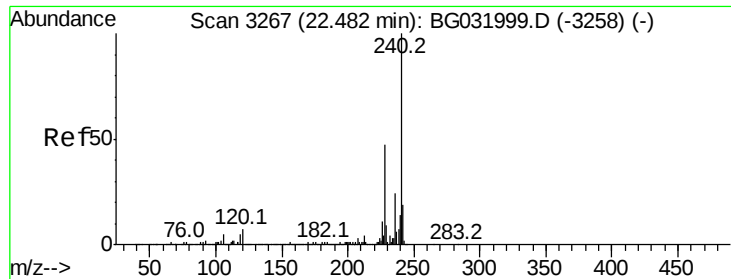


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): BG031999.D (-2379) (-)

Ion 141.00 (140.70 to 141.70): BG031999.D (-2379) (-)





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.42 min Scan# 3256

Delta R.T. -0.01 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

Instrument :

BNA_G

ClientSampleId :

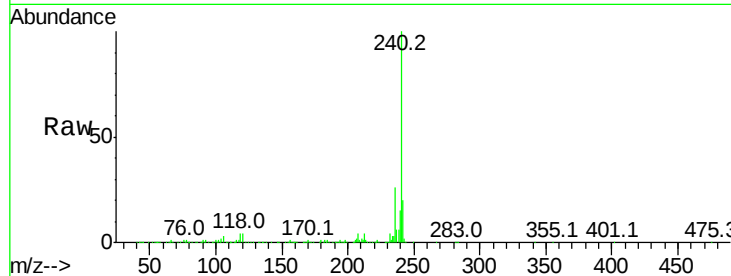
Tot Ion:240 Resp: 387755

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

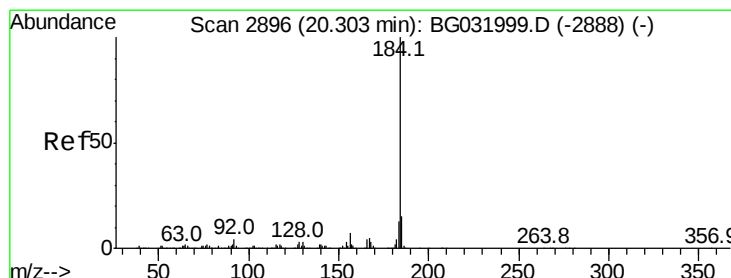
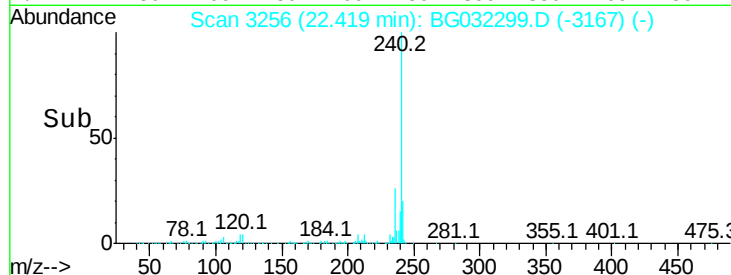
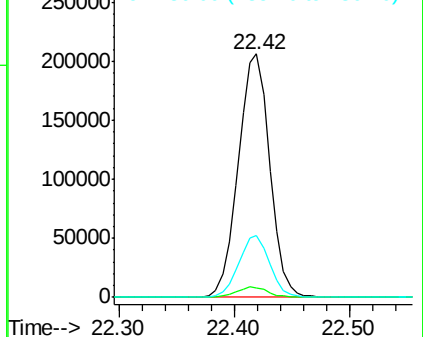
236 25.6 20.9 31.3



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: 33.096 ng

RT: 20.26 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BG032299.D

Acq: 25 Jan 2018 18:40

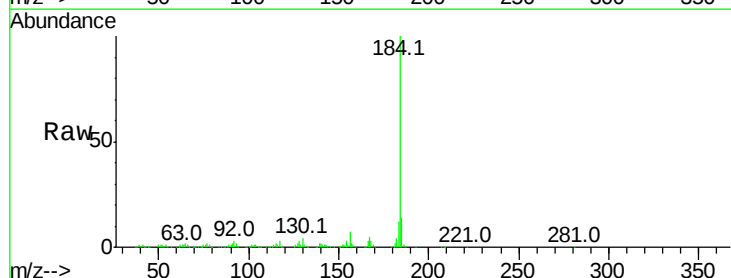
Tgt Ion:184 Resp: 320907

Ion Ratio Lower Upper

184 100

185 13.8 11.1 16.7

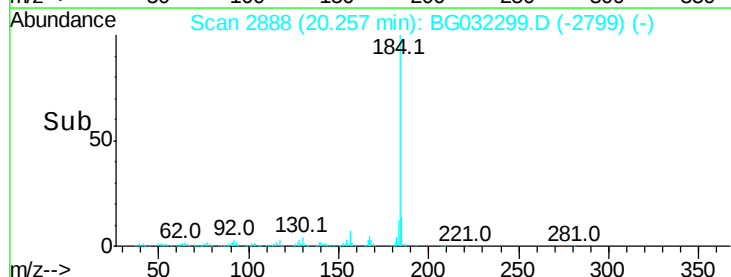
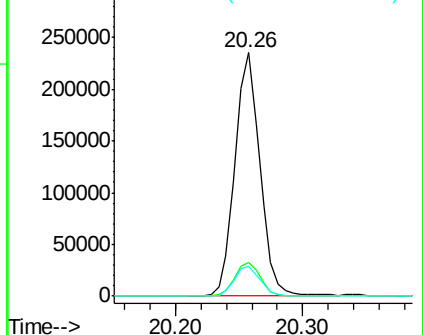
183 12.4 10.6 16.0

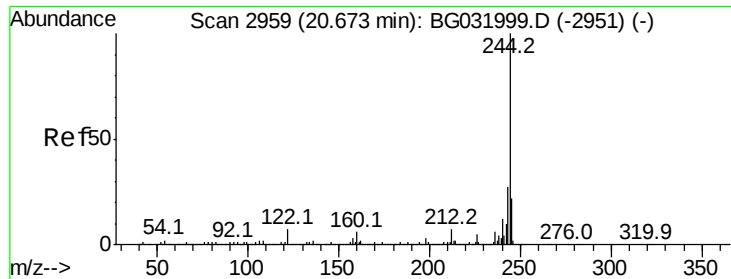


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

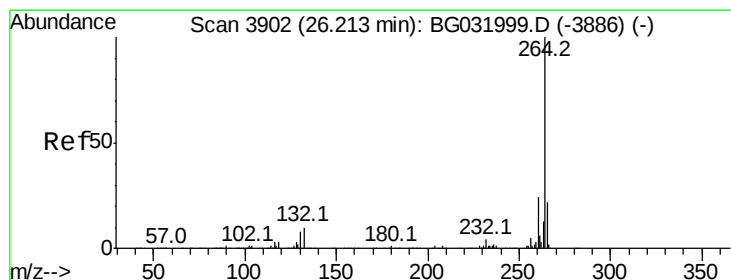
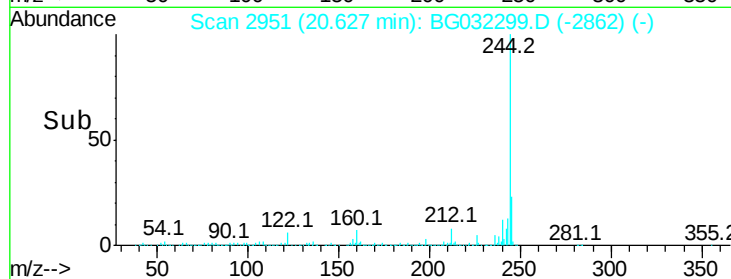
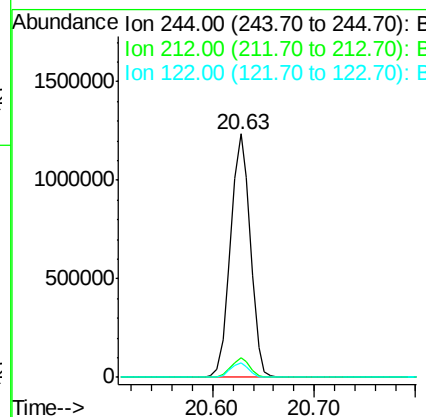
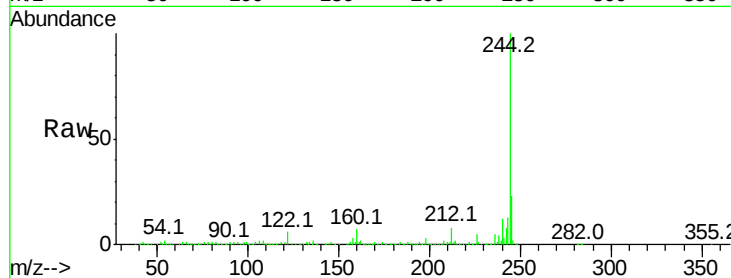




#78
 Terphenyl-d14
 Concen: 95.390 ng
 RT: 20.63 min Scan# 2951
 Delta R.T. -0.01 min
 Lab File: BG032299.D
 Acq: 25 Jan 2018 18:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1675154
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.8
 122 6.1 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3882
 Delta R.T. -0.01 min
 Lab File: BG032299.D
 Acq: 25 Jan 2018 18:40

Tgt Ion:264 Resp: 414531
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.4 26.0
 265 19.8 17.7 26.5

