

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032287.D
 Acq On : 25 Jan 2018 8:17
 Operator : SJ/JU
 Sample : J1254-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 09:49:50 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	43692	20.00	ng	0.00
21) Naphthalene-d8	11.61	136	163354	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	113269	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	306528	20.00	ng	0.00
75) Chrysene-d12	22.42	240	406450	20.00	ng	0.00
86) Perylene-d12	26.10	264	424043	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	310253	129.87	ng	0.00
7) Phenol-d6	7.84	99	366606	121.85	ng	0.00
23) Nitrobenzene-d5	9.92	82	258691	107.14	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	299664	159.88	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	863896	94.57	ng	0.00
78) Terphenyl-d14	20.63	244	1787700	97.12	ng	0.00

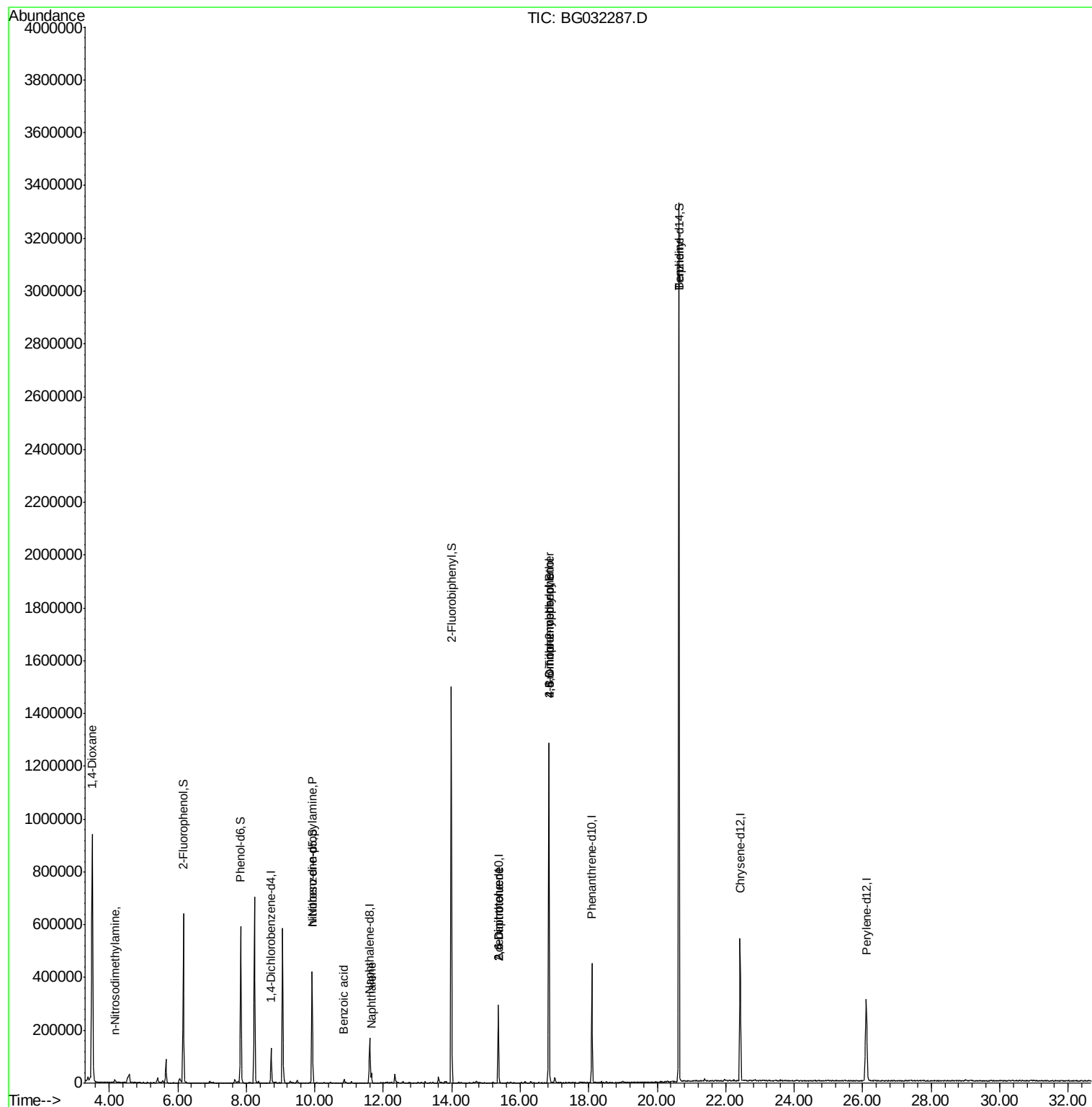
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	12091	13.174	ng	# 1
4) n-Nitrosodimethylamine	4.17	42	1866	2.168	ng	# 4
19) n-Nitroso-di-n-propylamine	9.92	70	37689	20.189	ng	# 73
31) Naphthalene	11.65	128	32927	4.069	ng	# 100
32) Benzoic acid	10.86	122	229	5.368	ng	# 72
50) 2,6-Dinitrotoluene	15.36	165	13846	6.730	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	13846	4.999	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.84	198	662	5.187	ng	# 1
66) 4-Bromophenyl-phenylether	16.84	248	25898	5.938	ng	# 1
76) Benzidine	20.63	184	26418	2.599	ng	# 90

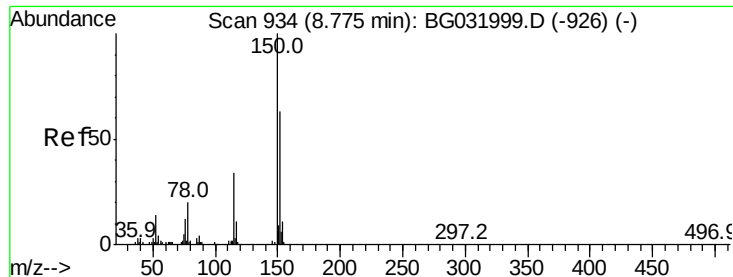
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032287.D

Acq: 25 Jan 2018 8:17

Instrument :

BNA_G

ClientSampleId :

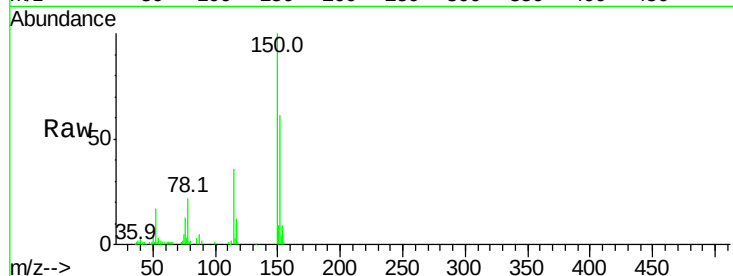
Tot Ion:152 Resp: 43692

Ion Ratio Lower Upper

152 100

150 163.9 126.6 189.8

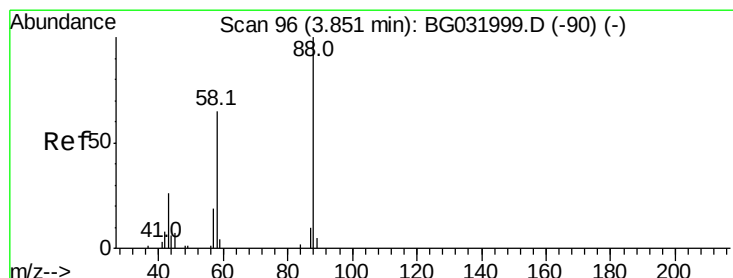
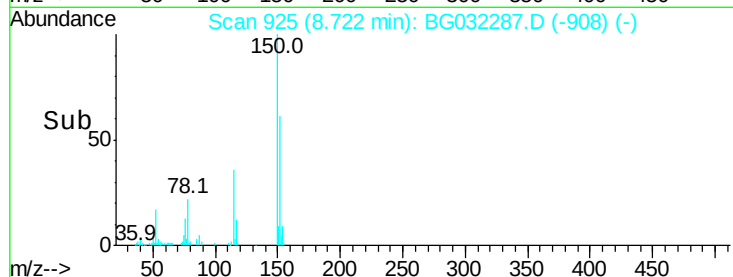
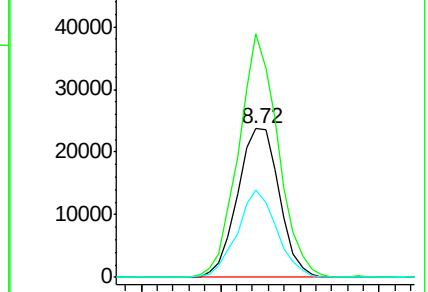
115 58.6 53.0 79.4



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: 13.174 ng

RT: 3.50 min Scan# 37

Delta R.T. -0.32 min

Lab File: BG032287.D

Acq: 25 Jan 2018 8:17

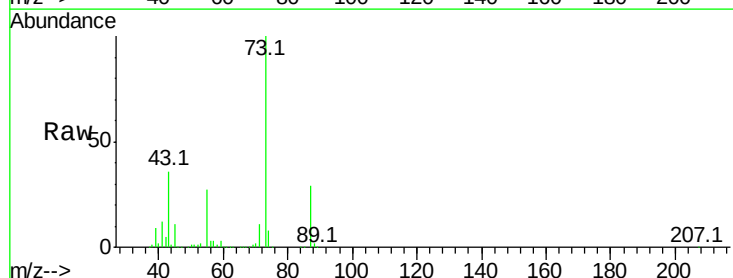
Tgt Ion: 88 Resp: 12091

Ion Ratio Lower Upper

88 100

58 43.5 79.6 119.4#

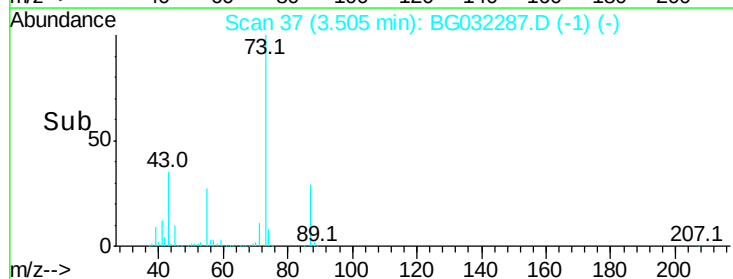
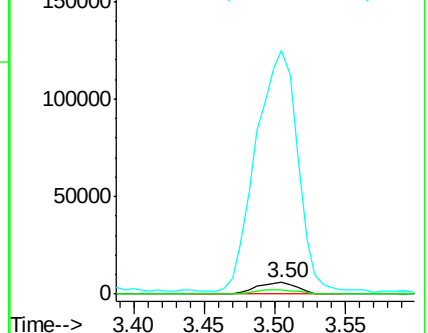
43 2137.4 27.4 41.0#

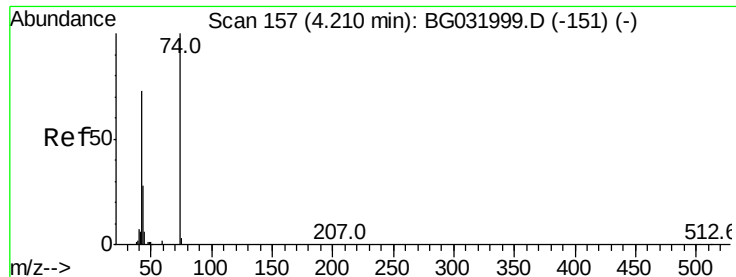


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 2.168 ng

RT: 4.17 min Scan# 150

Delta R.T. -0.01 min

Lab File: BG032287.D

Acq: 25 Jan 2018 8:17

Instrument :

BNA_G

ClientSampled :

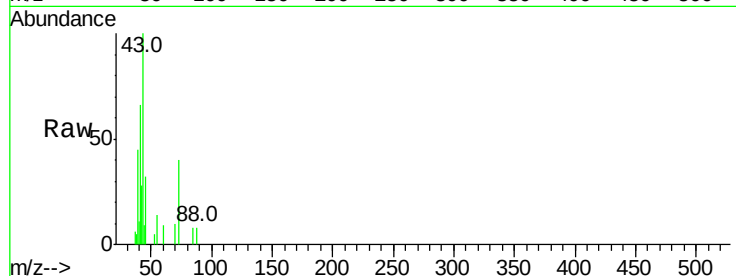
Tot Ion: 42 Resp: 1866

Ion Ratio Lower Upper

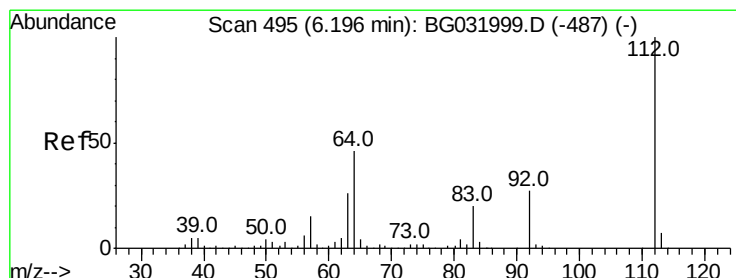
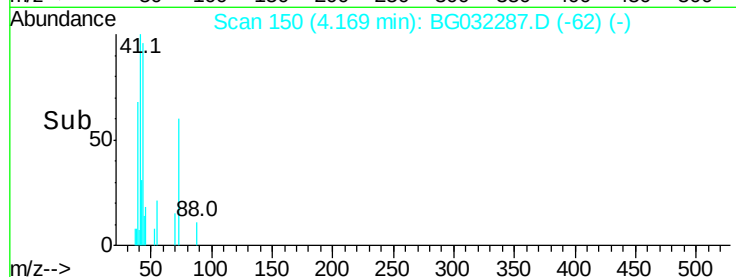
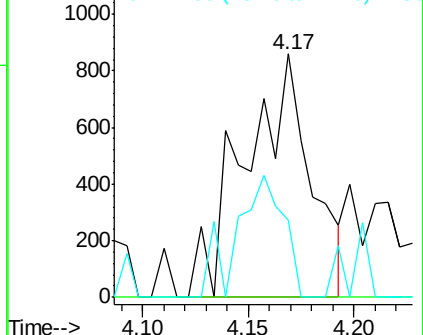
42 100

74 0.0 102.5 153.7#

44 31.7 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: 129.871 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032287.D

Acq: 25 Jan 2018 8:17

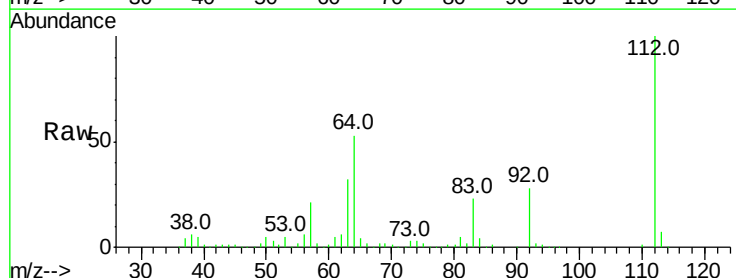
Tgt Ion: 112 Resp: 310253

Ion Ratio Lower Upper

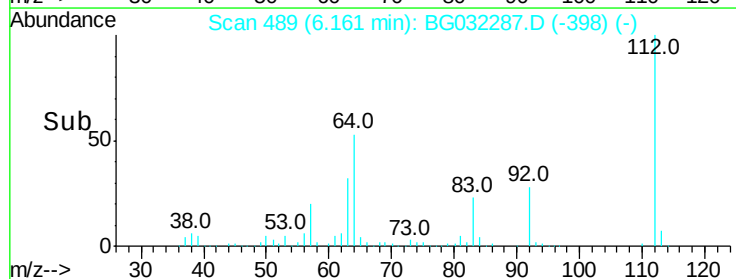
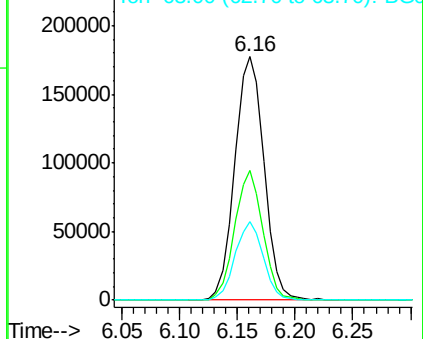
112 100

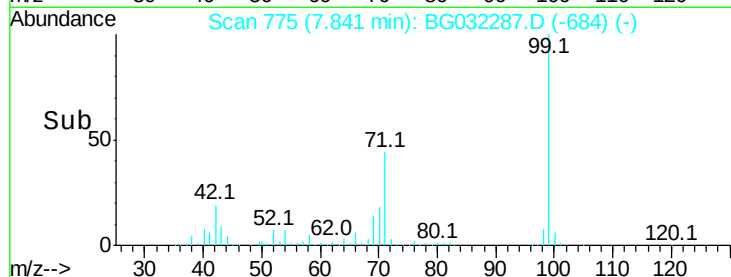
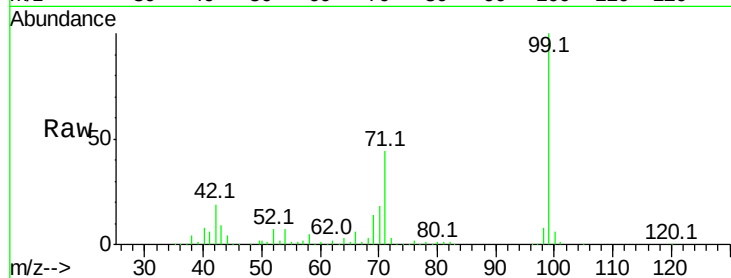
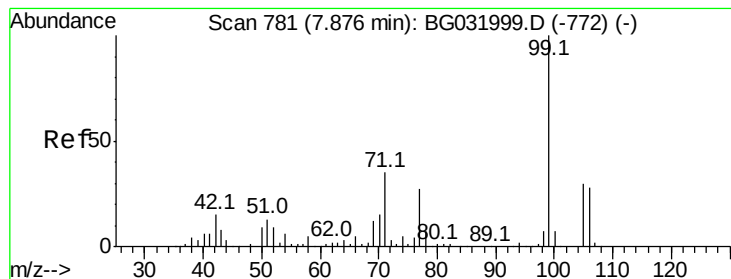
64 53.2 56.3 84.5#

63 32.4 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: 121.848 ng

RT: 7.84 min Scan# 775

Delta R.T. 0.01 min

Lab File: BG032287.D

Acq: 25 Jan 2018 8:17

Instrument :

BNA_G

ClientSampled :

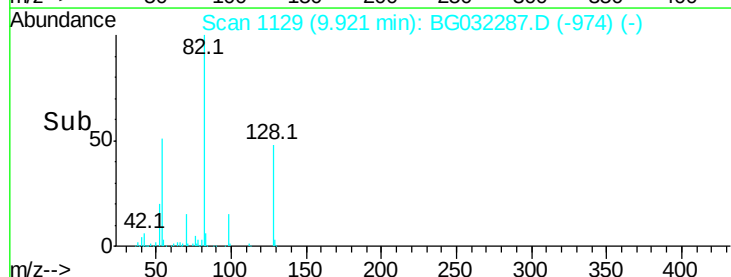
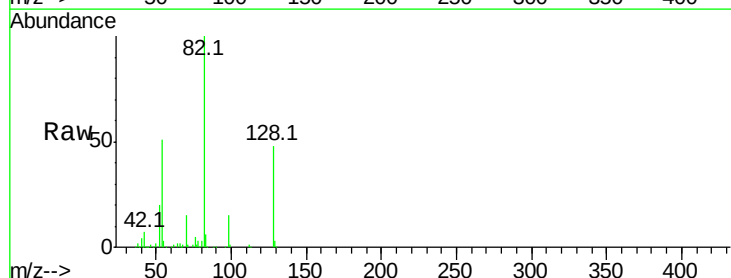
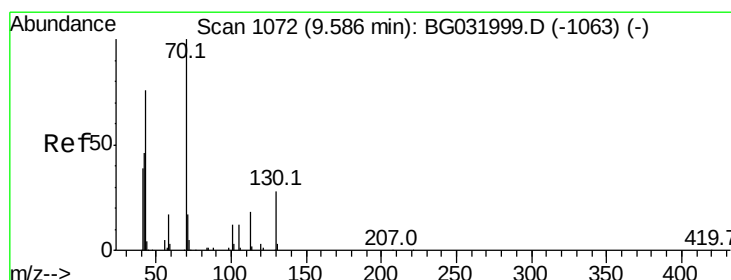
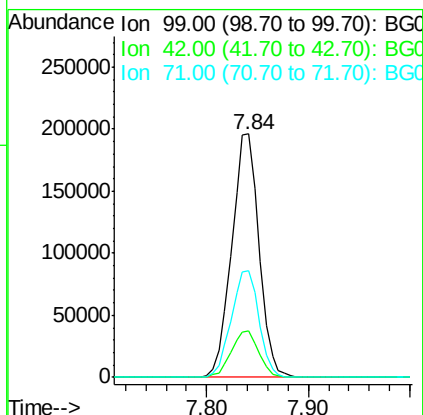
Tot Ion: 99 Resp: 366606

Ion Ratio Lower Upper

99 100

42 19.2 14.1 21.1

71 44.0 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.189 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032287.D

Acq: 25 Jan 2018 8:17

Tgt Ion: 70 Resp: 37689

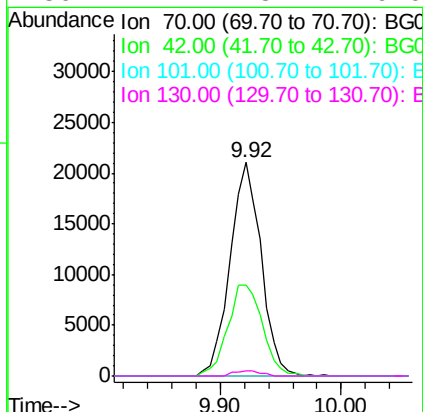
Ion Ratio Lower Upper

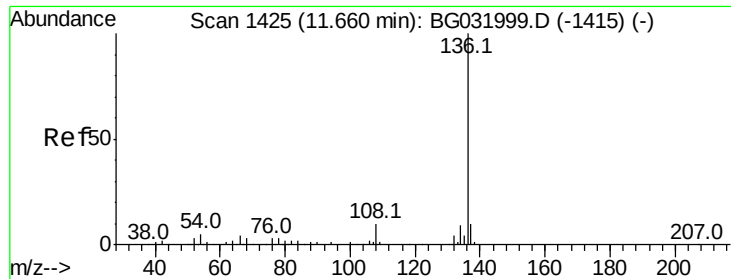
70 100

42 42.7 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

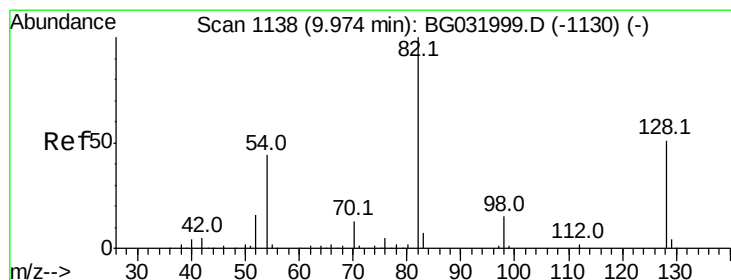
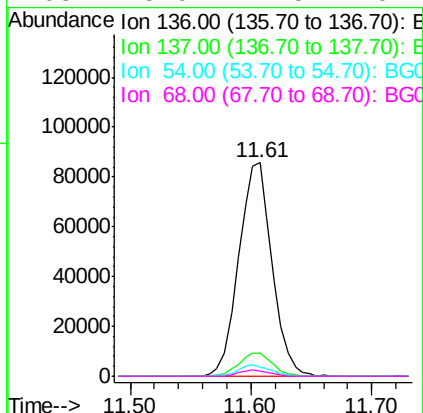
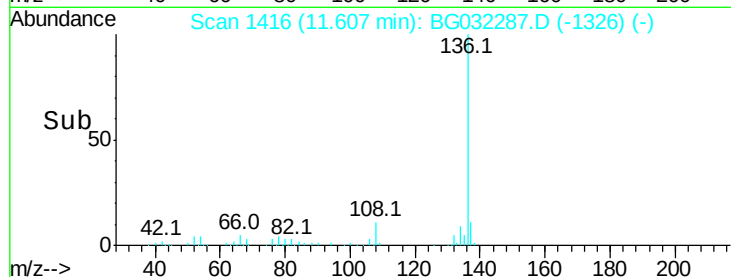
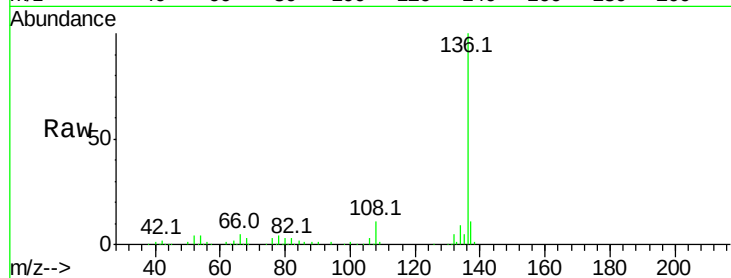




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BG032287.D
Acq: 25 Jan 2018 8:17

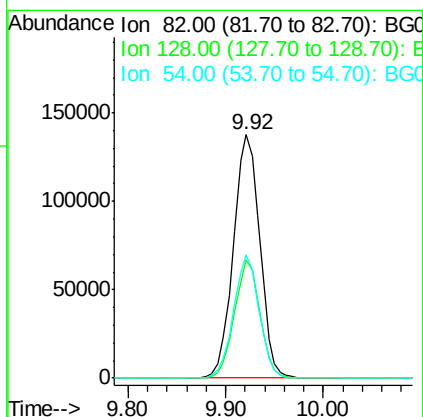
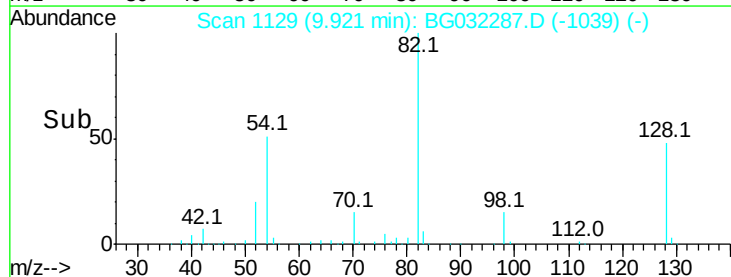
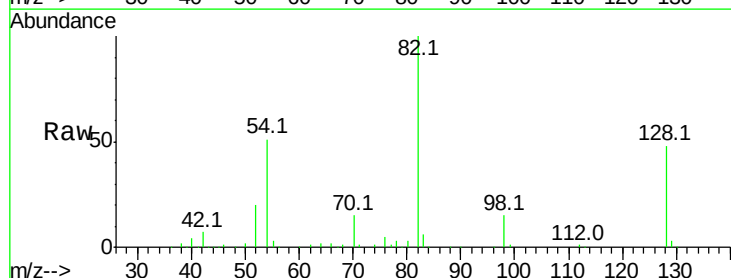
Instrument :
BNA_G
ClientSampleId :

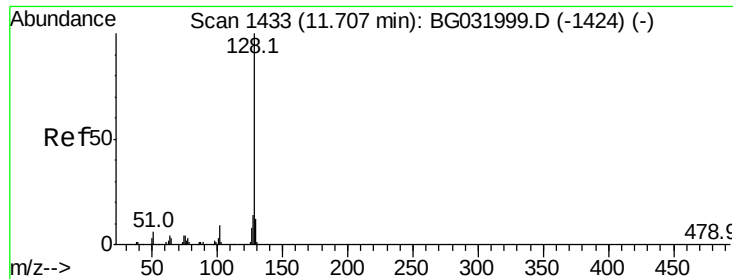
Tot Ion:136	Resp:	163354
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	4.5	10.3 15.5#
68	3.0	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 107.139 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032287.D
Acq: 25 Jan 2018 8:17

Tgt Ion: 82	Resp:	258691
Ion Ratio	Lower	Upper
82	100	
128	48.3	29.7 44.5#
54	50.8	43.1 64.7

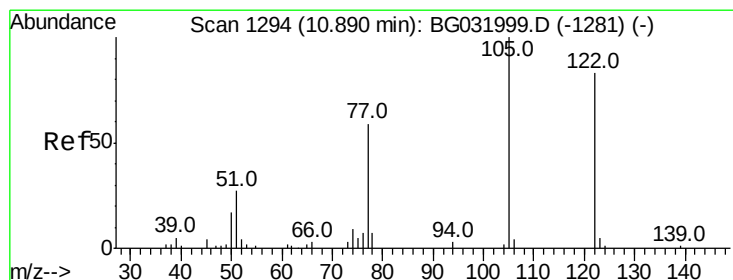
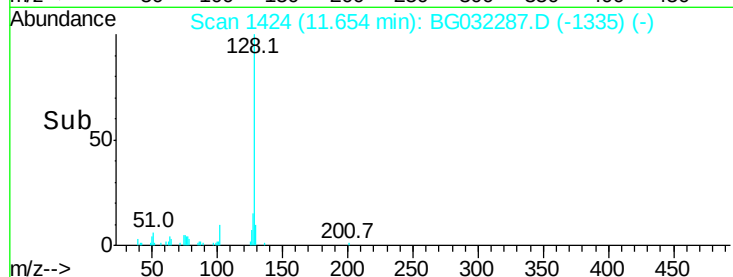
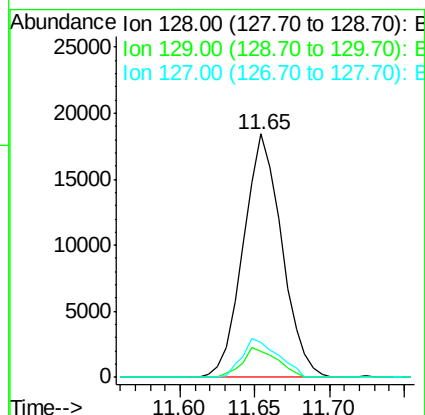
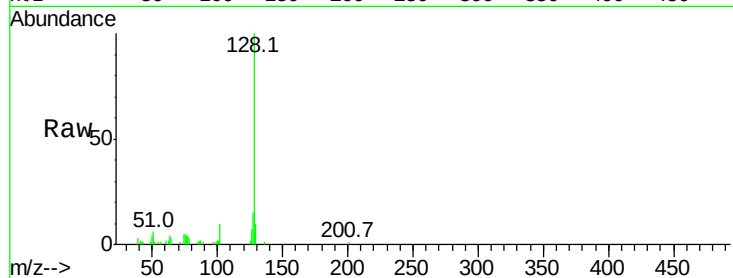




#31
Naphthalene
Concen: 4.069 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BG032287.D
Acq: 25 Jan 2018 8:17

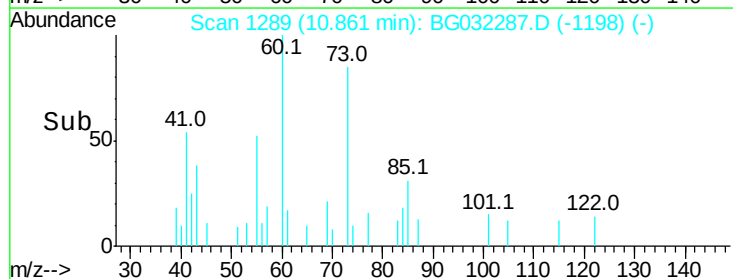
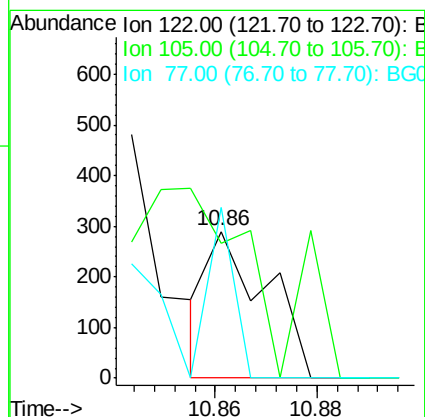
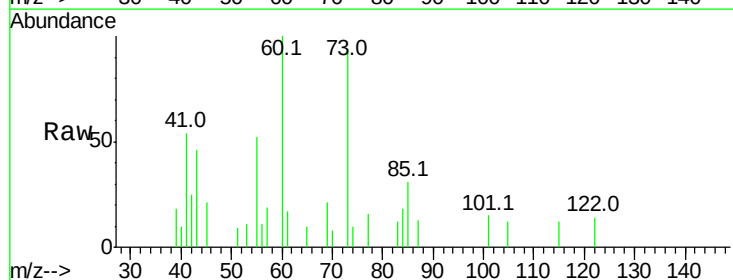
Instrument :
BNA_G
ClientSampleId :

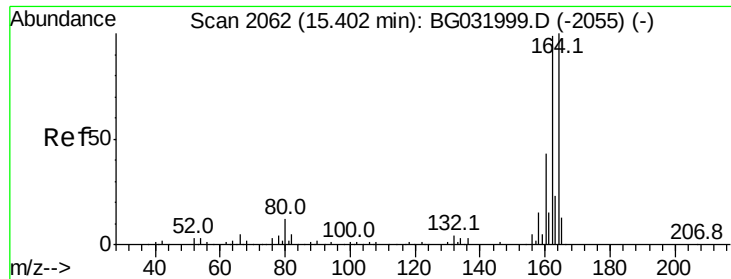
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	14.5	11.6	17.4



#32
Benzoic acid
Concen: 5.368 ng
RT: 10.86 min Scan# 1289
Delta R.T. 0.01 min
Lab File: BG032287.D
Acq: 25 Jan 2018 8:17

Tgt Ion	Ratio	Lower	Upper
122	100		
105	92.1	123.5	163.5#
77	116.2	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: BG032287.D

Acq: 25 Jan 2018 8:17

Instrument :

BNA_G

ClientSampleId :

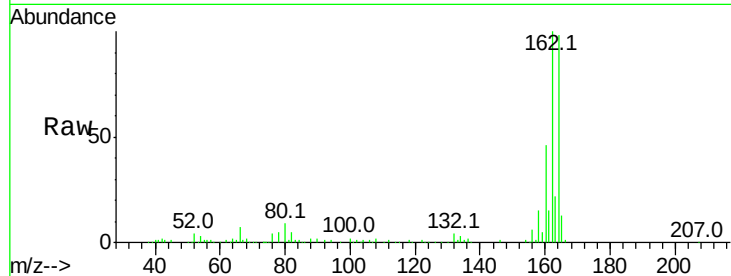
Tot Ion:164 Resp: 113269

Ion Ratio Lower Upper

164 100

162 101.9 78.8 118.2

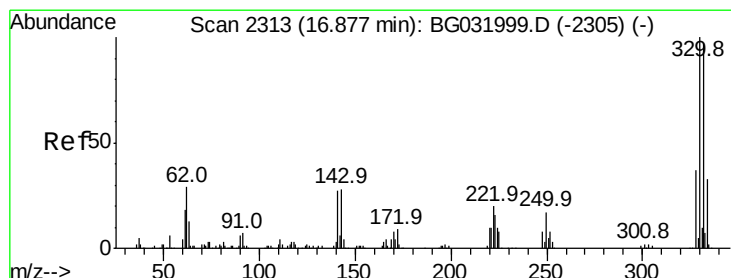
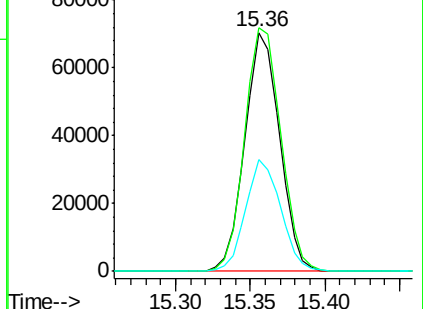
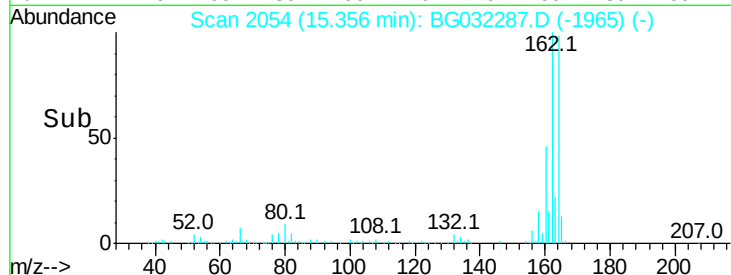
160 46.6 35.4 53.0



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: 159.877 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BG032287.D

Acq: 25 Jan 2018 8:17

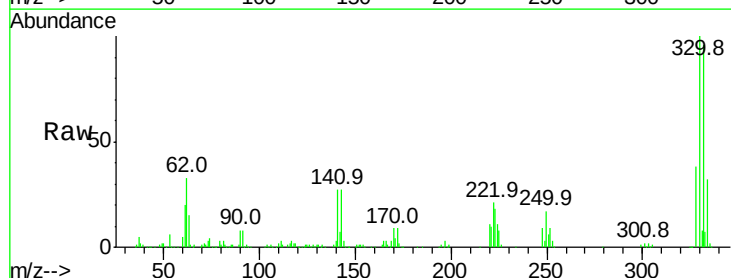
Tgt Ion:330 Resp: 299664

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

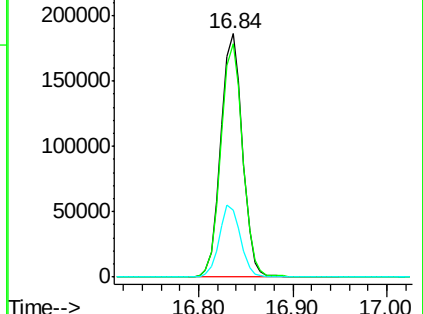
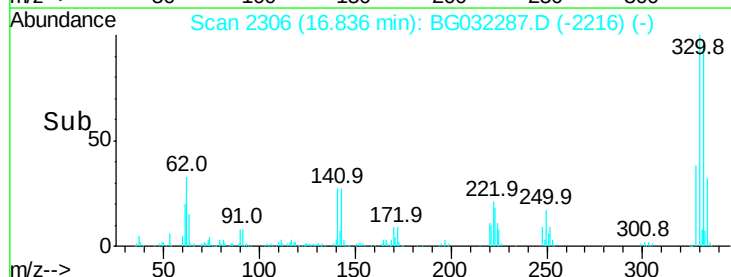
141 29.2 25.2 37.8

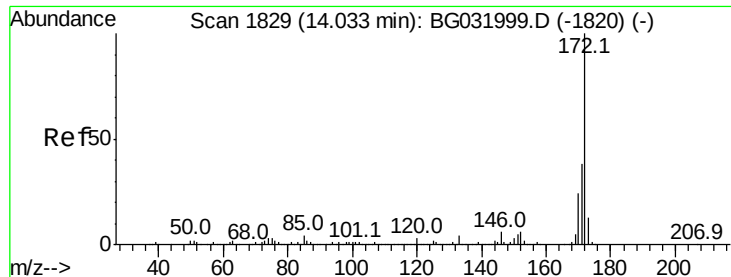


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

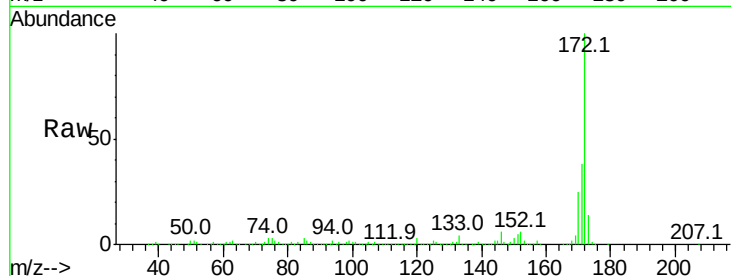




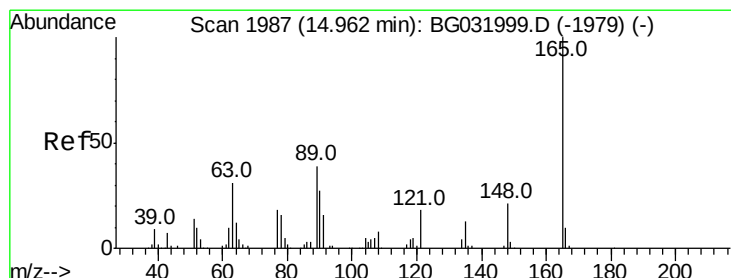
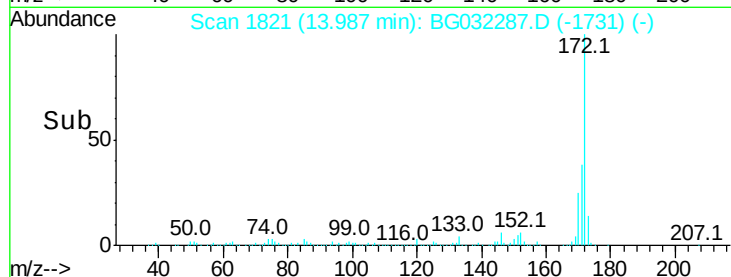
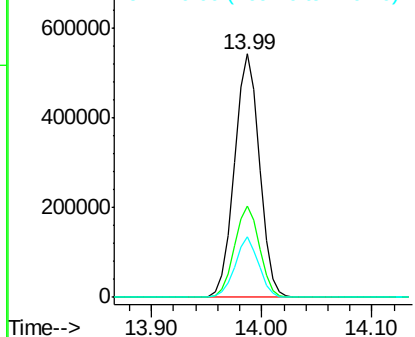
#44
 2-Fluorobiphenyl
 Concen: 94.570 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BG032287.D
 Acq: 25 Jan 2018 8:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 863896
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.0 45.0
 170 24.8 19.5 29.3

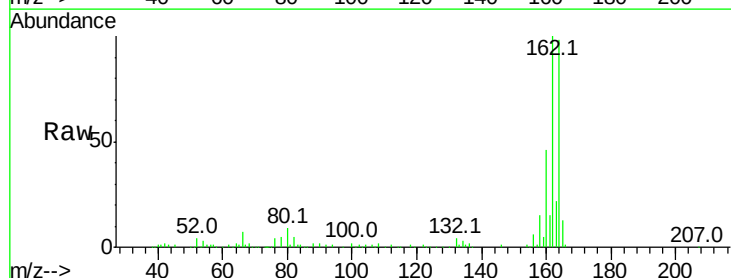


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

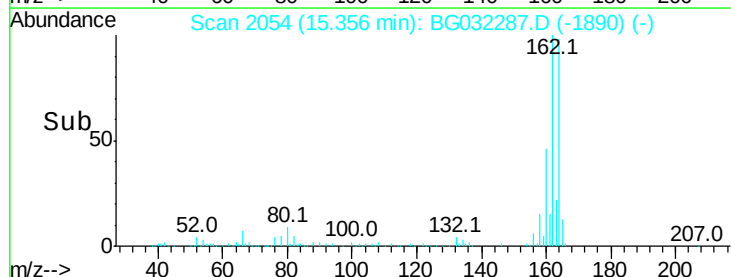
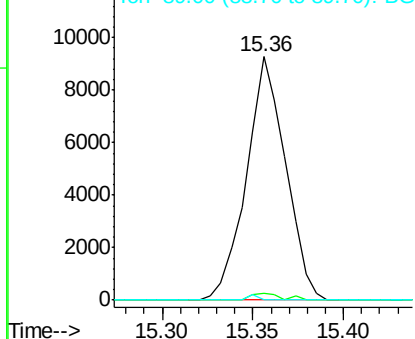


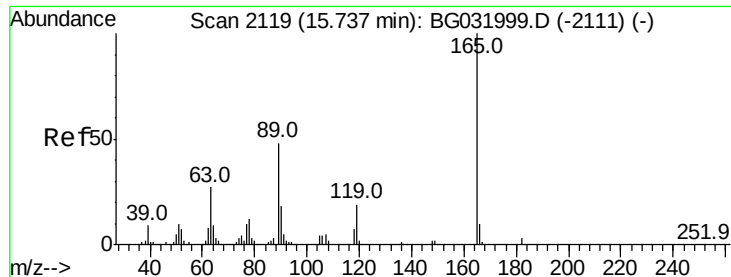
#50
 2,6-Dinitrotoluene
 Concen: 6.730 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032287.D
 Acq: 25 Jan 2018 8:17

Tgt Ion:165 Resp: 13846
 Ion Ratio Lower Upper
 165 100
 63 2.8 52.7 79.1#
 89 0.0 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0





#56

2,4-Dinitrotoluene

Concen: 4.999 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.34 min

Lab File: BG032287.D

Acq: 25 Jan 2018 8:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 13846

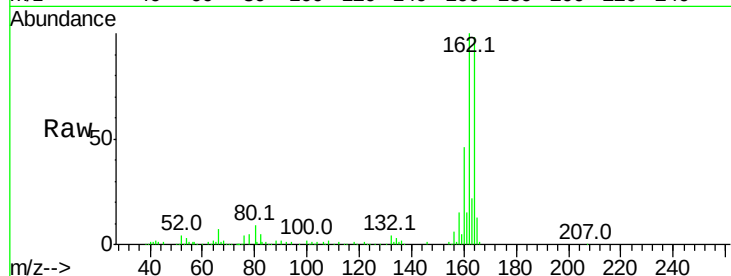
Ion Ratio Lower Upper

165 100

63 2.8 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

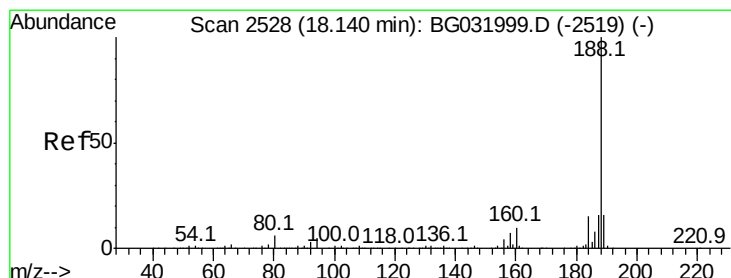
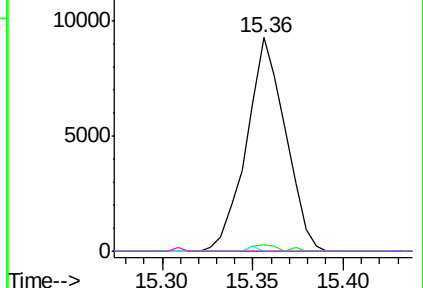
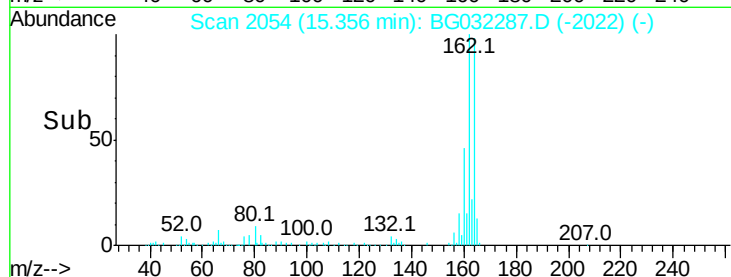


Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.09 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG032287.D

Acq: 25 Jan 2018 8:17

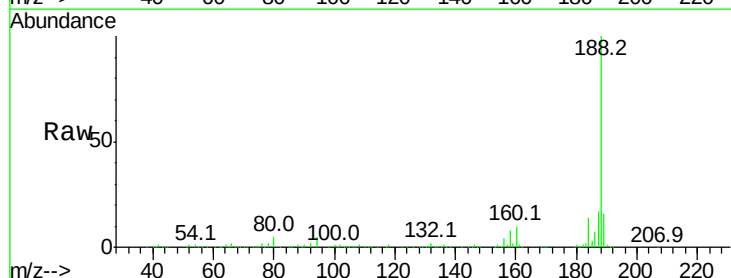
Tgt Ion:188 Resp: 306528

Ion Ratio Lower Upper

188 100

94 4.6 6.9 10.3#

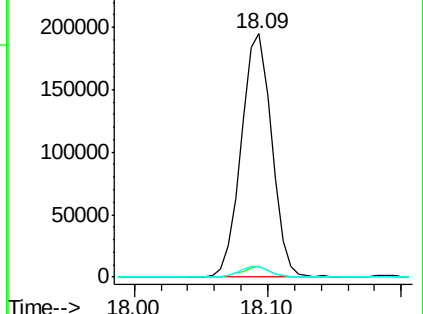
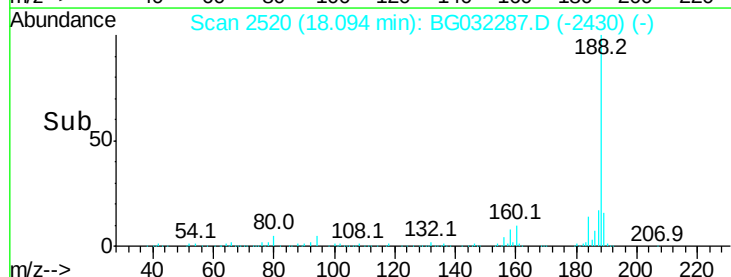
80 4.6 7.7 11.5#

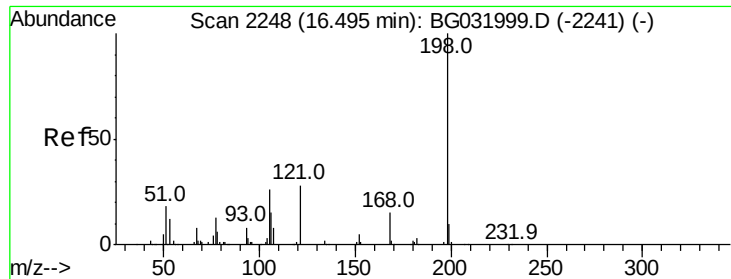


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.187 ng

RT: 16.84 min Scan# 2306

Delta R.T. 0.38 min

Lab File: BG032287.D

Acq: 25 Jan 2018 8:17

Instrument :

BNA_G

ClientSampleId :

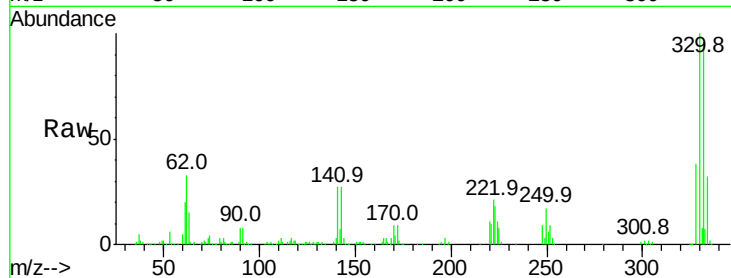
Tot Ion:198 Resp: 662

Ion Ratio Lower Upper

198 100

51 90.1 30.6 70.6#

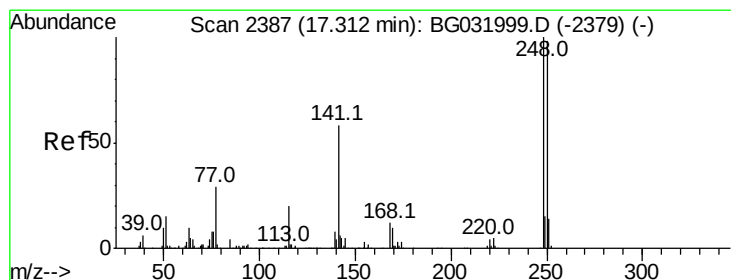
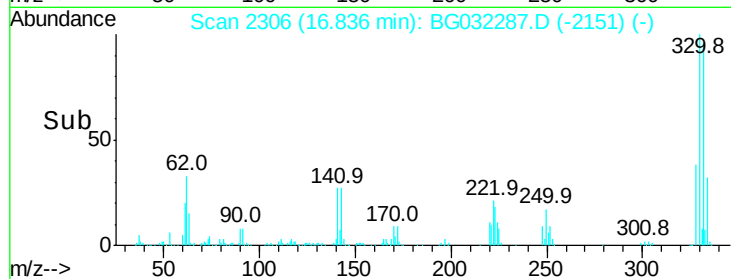
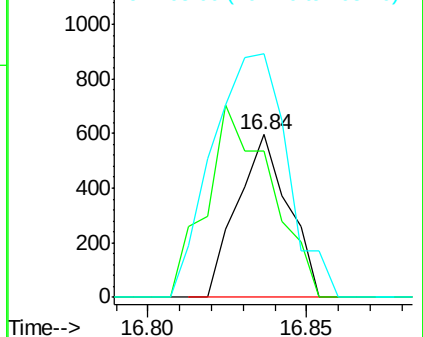
105 149.9 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.938 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.43 min

Lab File: BG032287.D

Acq: 25 Jan 2018 8:17

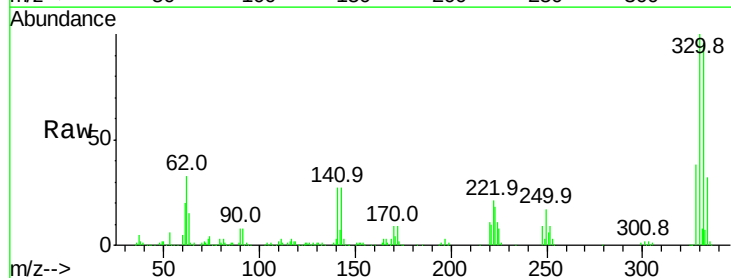
Tgt Ion:248 Resp: 25898

Ion Ratio Lower Upper

248 100

250 189.3 77.1 115.7#

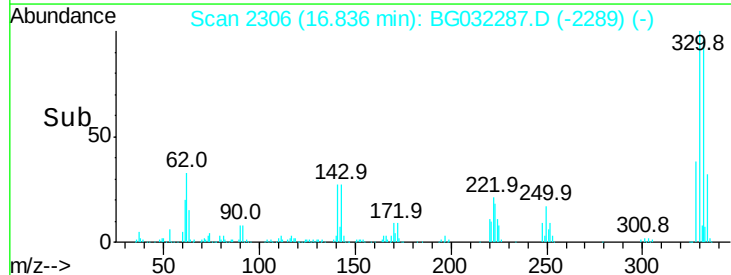
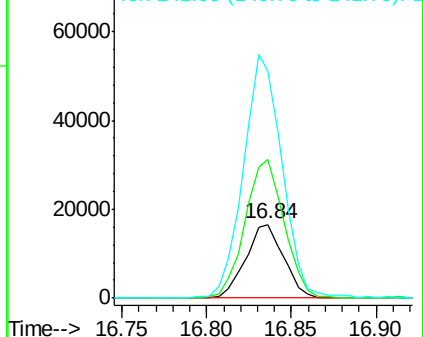
141 308.8 50.8 76.2#

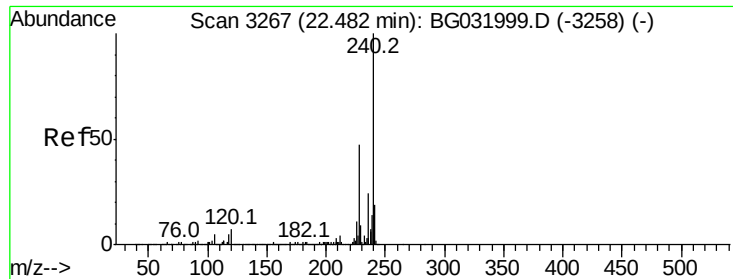


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.01 min

Lab File: BG032287.D

Acq: 25 Jan 2018 8:17

Instrument :

BNA_G

ClientSampleId :

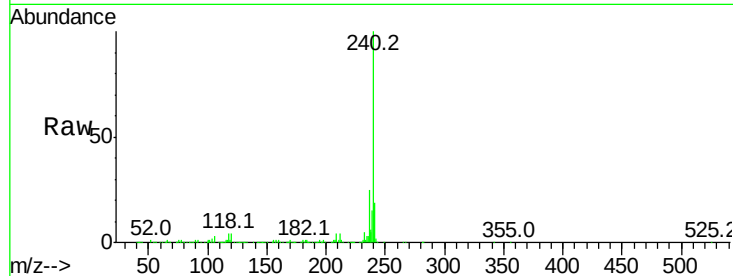
Tot Ion:240 Resp: 406450

Ion Ratio Lower Upper

240 100

120 3.9 6.8 10.2#

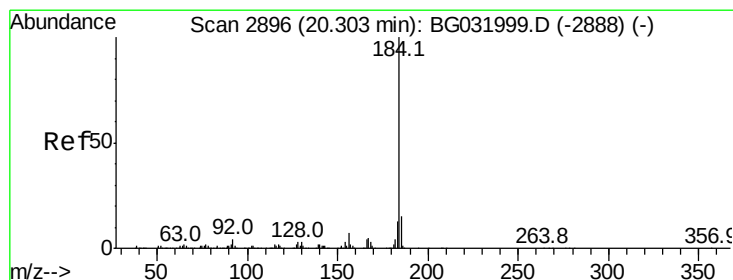
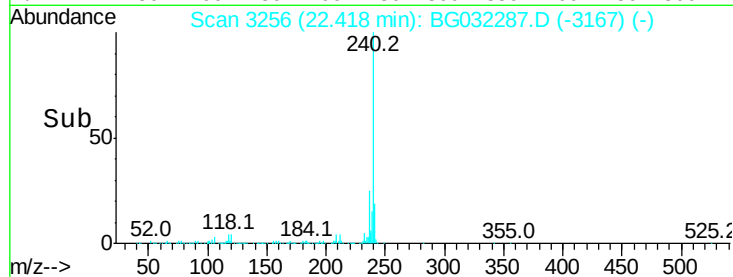
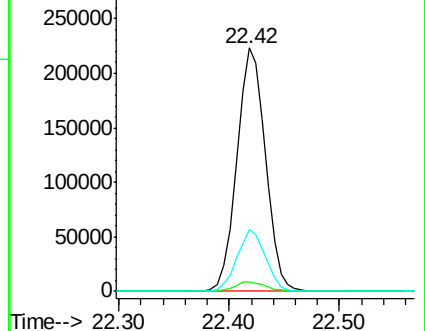
236 25.3 20.9 31.3



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: 2.599 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032287.D

Acq: 25 Jan 2018 8:17

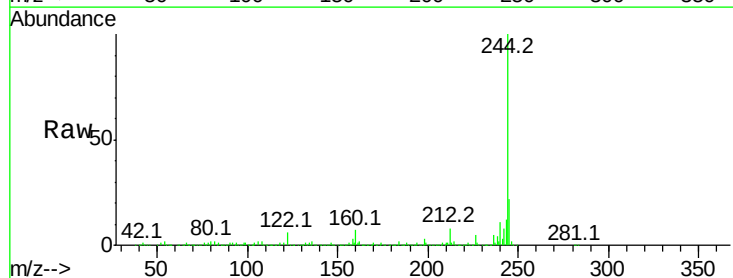
Tgt Ion:184 Resp: 26418

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

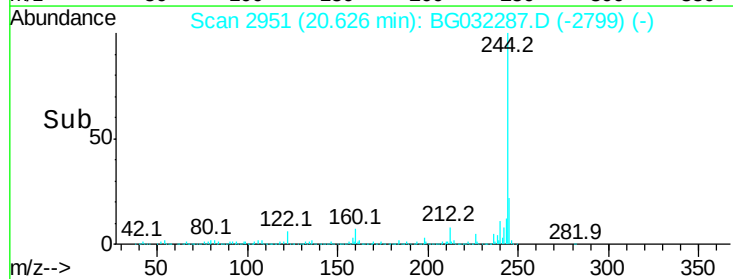
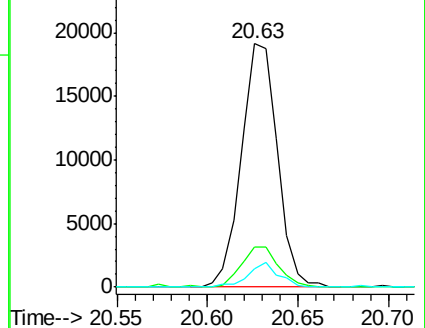
183 7.7 10.6 16.0#

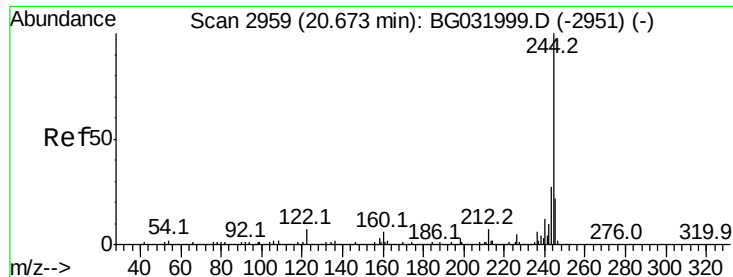


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



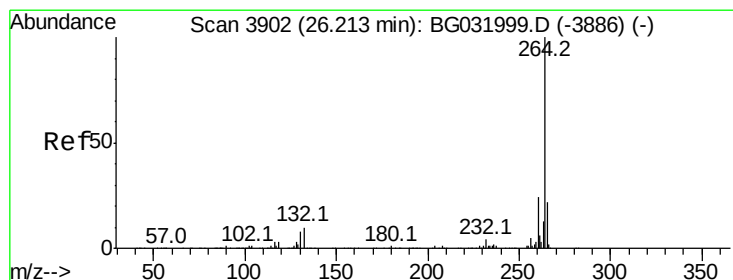
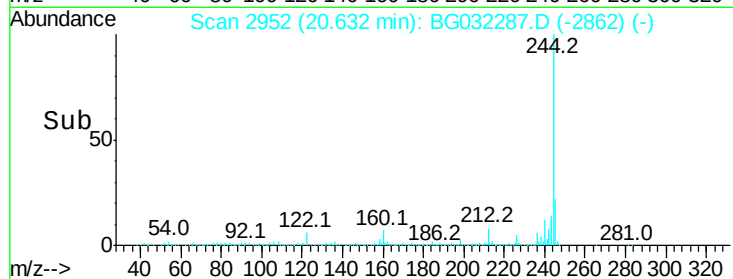
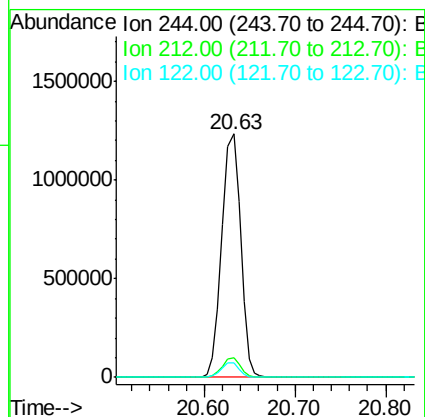
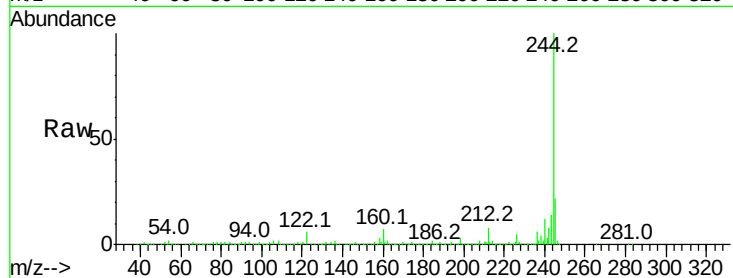


#78
 Terphenyl-d14
 Concen: 97.117 ng
 RT: 20.63 min Scan# 2952
 Delta R.T. -0.00 min
 Lab File: BG032287.D
 Acq: 25 Jan 2018 8:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1787700

Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.8
122	5.9	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3883
 Delta R.T. -0.01 min
 Lab File: BG032287.D
 Acq: 25 Jan 2018 8:17

Tgt Ion:264 Resp: 424043

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	21.0	17.7	26.5

