

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032284.D
 Acq On : 25 Jan 2018 6:24
 Operator : SJ/JU
 Sample : J1254-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 07:35:43 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	42369	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	161944	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	110536	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	307384	20.00	ng	0.00
75) Chrysene-d12	22.42	240	396762	20.00	ng	0.00
86) Perylene-d12	26.10	264	409678	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	295853	127.71	ng	0.00
7) Phenol-d6	7.84	99	355687	121.91	ng	0.00
23) Nitrobenzene-d5	9.92	82	246706	103.06	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	300366	164.21	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	861905	96.69	ng	0.00
78) Terphenyl-d14	20.63	244	1786323	99.41	ng	0.00

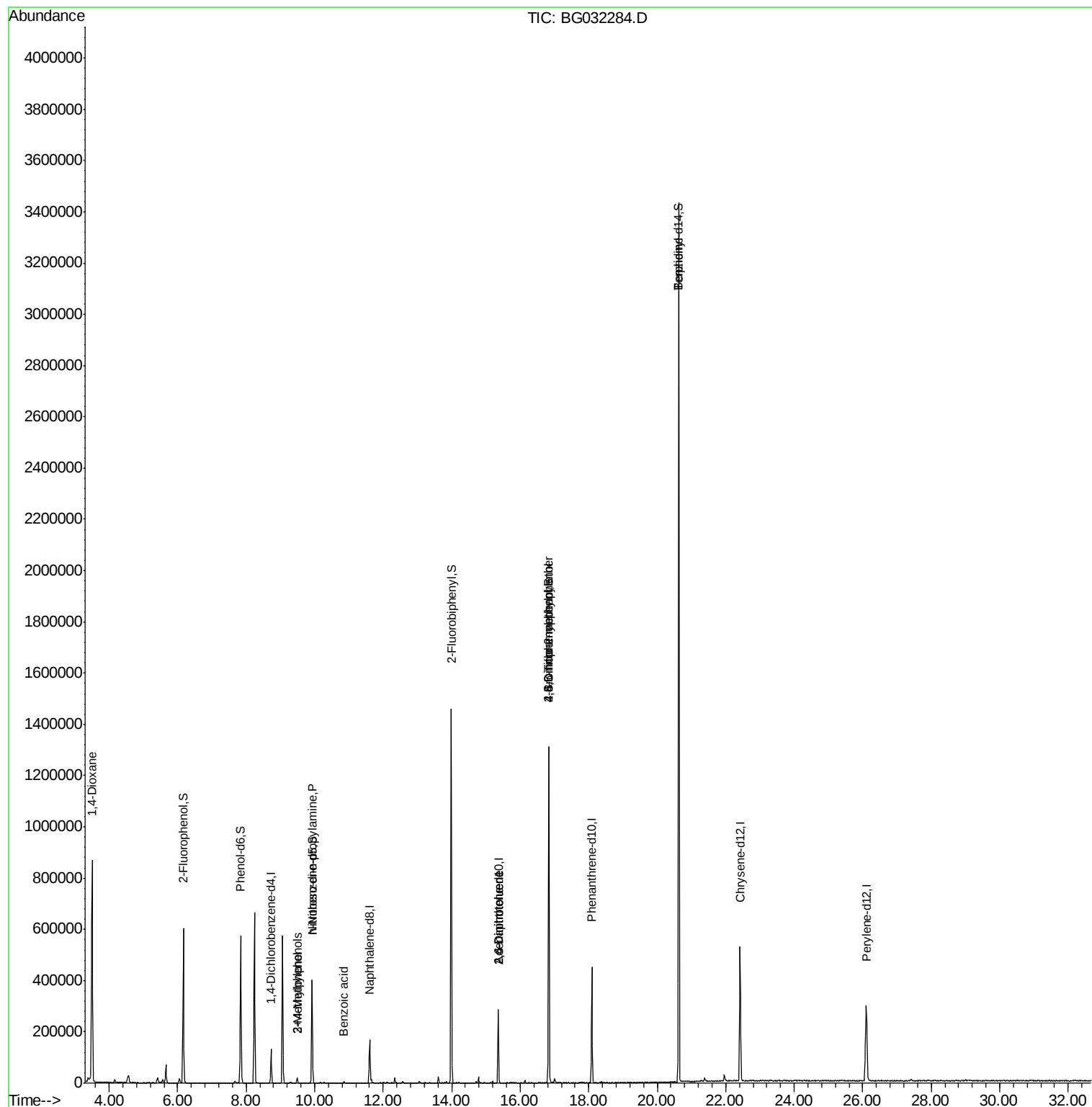
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	10319	11.595	ng	# 1
17) 2-Methylphenol	9.48	107	9283	4.226	ng	# 74
19) n-Nitroso-di-n-propylamine	9.92	70	37197	20.548	ng	# 73
20) 3+4-Methylphenols	9.48	107	9283	3.051	ng	# 95
32) Benzoic acid	10.85	122	338	5.423	ng	# 27
50) 2,6-Dinitrotoluene	15.36	165	14643	7.293	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	14643	5.417	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.83	198	1037	5.358	ng	# 31
66) 4-Bromophenyl-phenylether	16.84	248	25552	5.842	ng	# 1
76) Benzidine	20.63	184	26658	2.687	ng	# 89

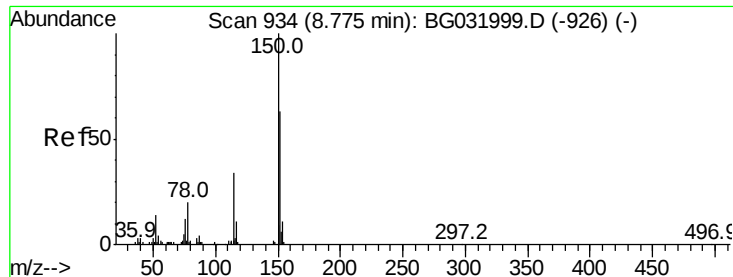
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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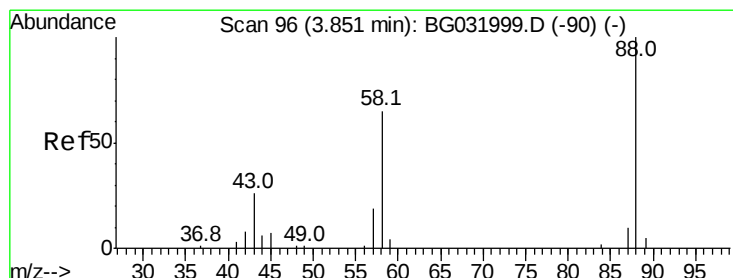
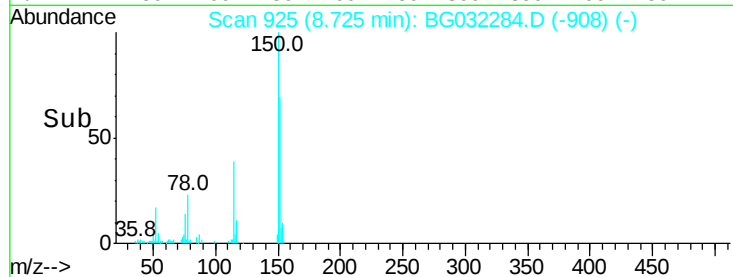
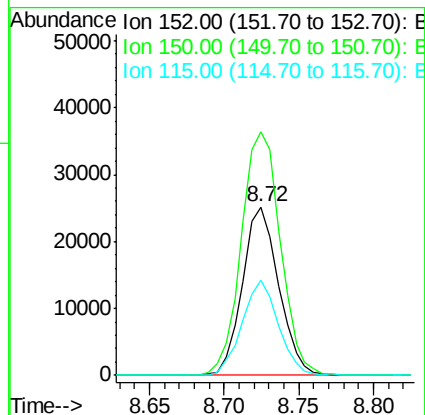
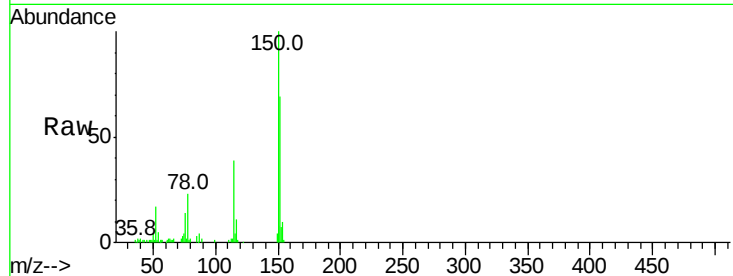


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG032284.D
Acq: 25 Jan 2018 6:24

Instrument :
BNA_G
ClientSampleId :

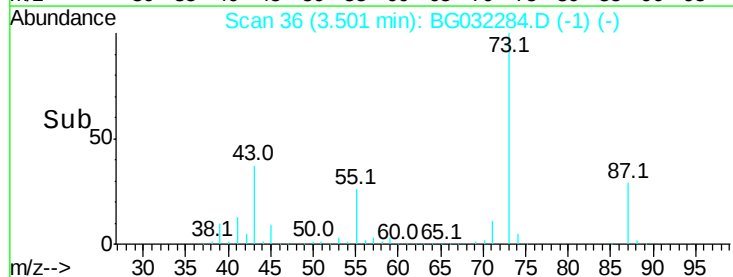
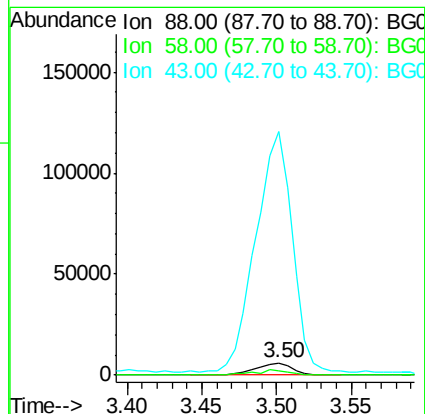
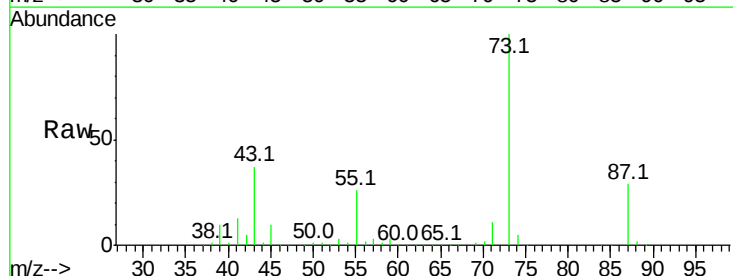
Tot Ion:152 Resp: 42369
Ion Ratio Lower Upper
152 100
150 144.7 126.6 189.8
115 56.8 53.0 79.4

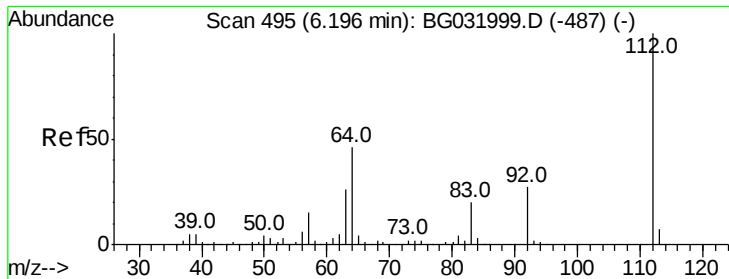


#2

1,4-Dioxane
Concen: 11.595 ng
RT: 3.50 min Scan# 36
Delta R.T. -0.32 min
Lab File: BG032284.D
Acq: 25 Jan 2018 6:24

Tgt Ion: 88 Resp: 10319
Ion Ratio Lower Upper
88 100
58 37.8 79.6 119.4#
43 1959.8 27.4 41.0#





#5

2-Fluorophenol

Concen: 127.710 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032284.D

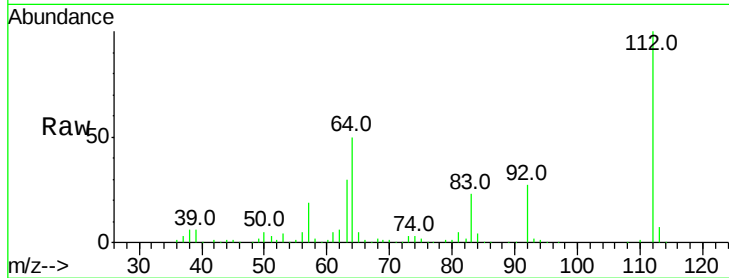
Acq: 25 Jan 2018 6:24

Instrument :

BNA_G

ClientSampled :

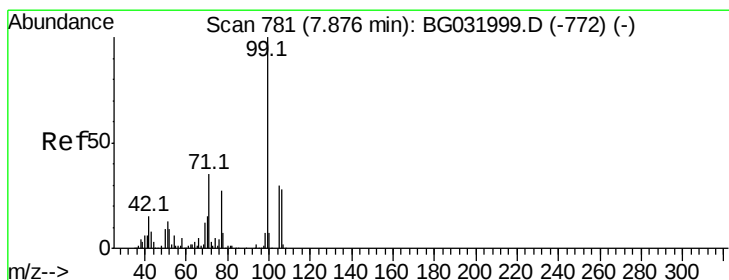
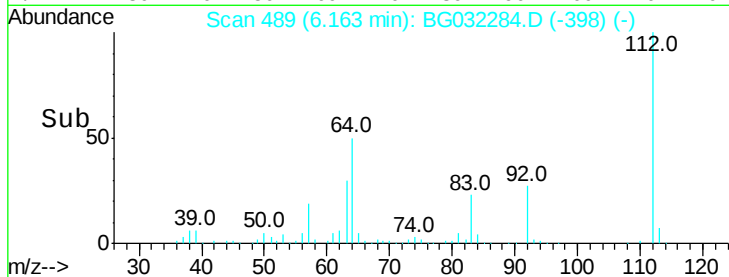
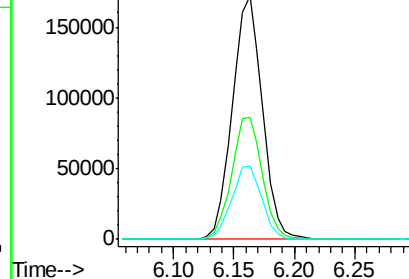
Tot Ion:	112	Resp:	295853
Ion Ratio	Lower	Upper	
112	100		
64	50.3	56.3	84.5#
63	30.2	30.1	45.1



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: 121.910 ng

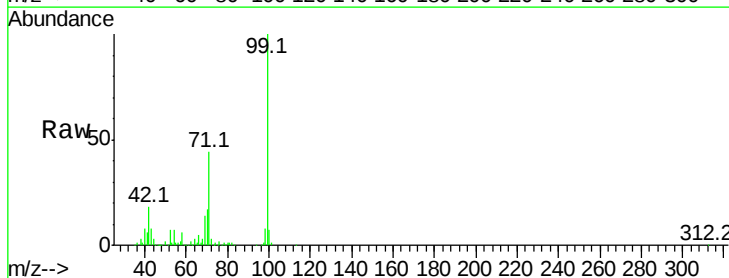
RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032284.D

Acq: 25 Jan 2018 6:24

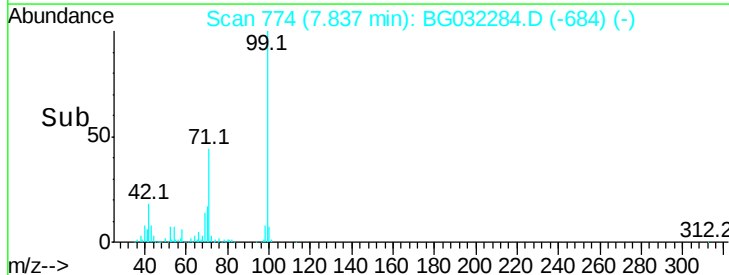
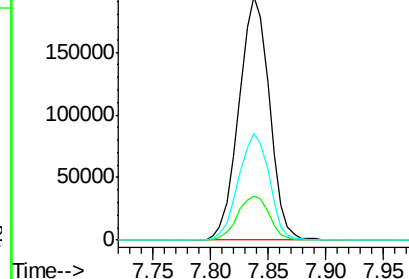
Tgt Ion:	99	Resp:	355687
Ion Ratio	Lower	Upper	
99	100		
42	18.2	14.1	21.1
71	43.8	26.1	39.1#

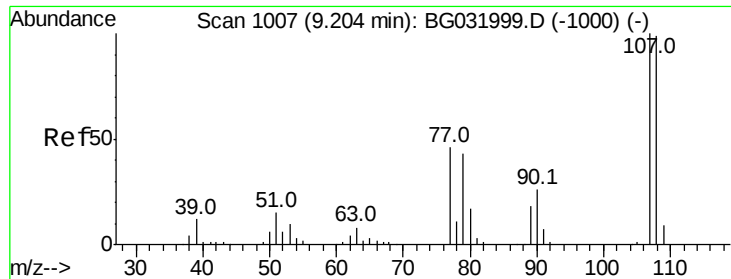


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

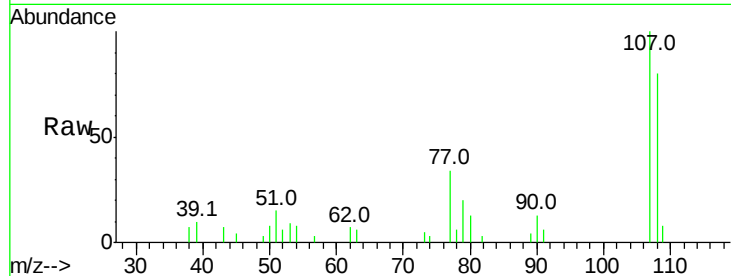




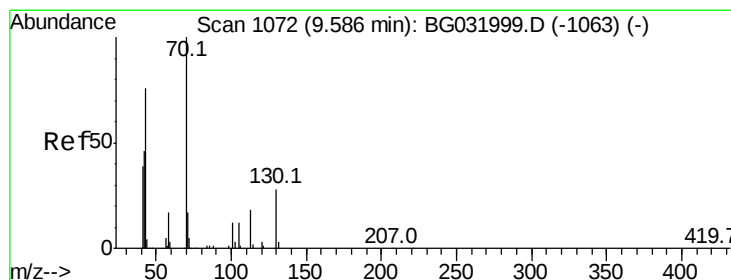
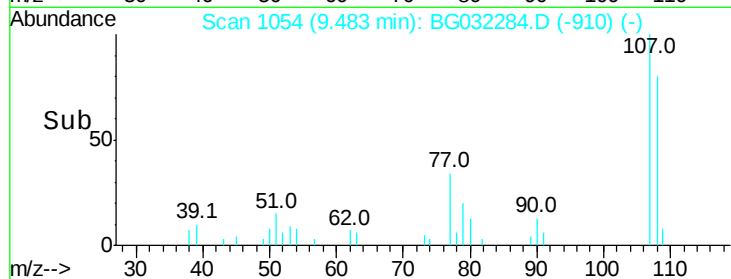
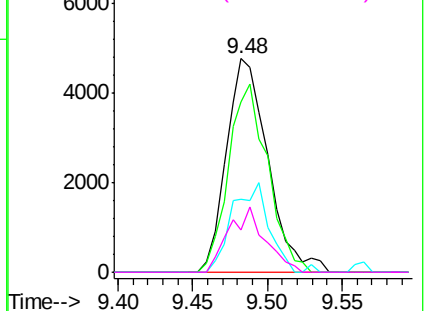
#17
 2-Methylphenol
 Concen: 4.226 ng
 RT: 9.48 min Scan# 1054
 Delta R.T. 0.32 min
 Lab File: BG032284.D
 Acq: 25 Jan 2018 6:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	107	Resp:	9283
Ion	Ratio	Lower	Upper
107	100		
108	79.5	83.9	125.9#
77	34.2	37.2	55.8#
79	20.1	36.2	54.2#

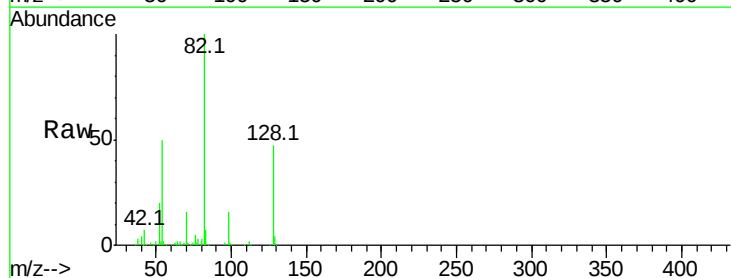


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BG
 Ion 79.00 (78.70 to 79.70): BG

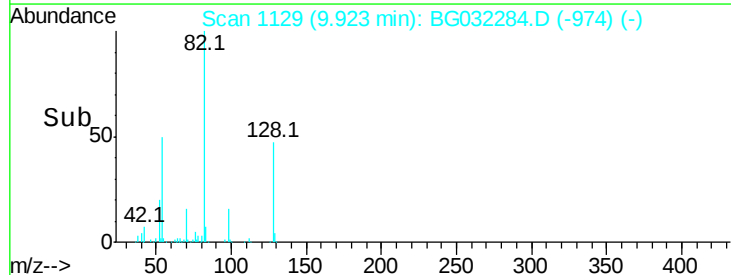
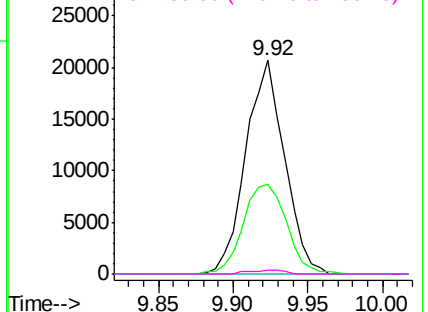


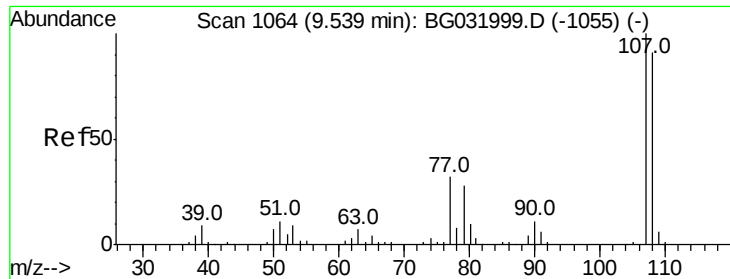
#19
 n-Nitroso-di-n-propylamine
 Concen: 20.548 ng
 RT: 9.92 min Scan# 1129
 Delta R.T. 0.38 min
 Lab File: BG032284.D
 Acq: 25 Jan 2018 6:24

Tgt Ion:	70	Resp:	37197
Ion	Ratio	Lower	Upper
70	100		
42	42.1	49.1	73.7#
101	0.0	8.5	12.7#
130	1.9	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

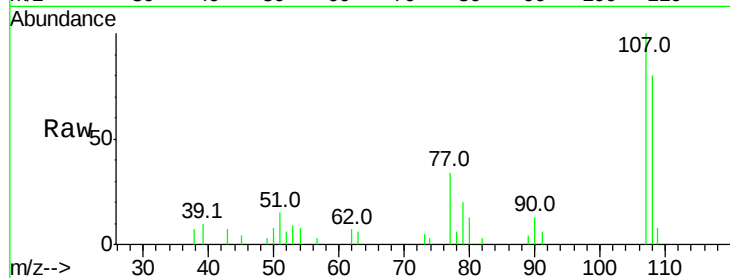




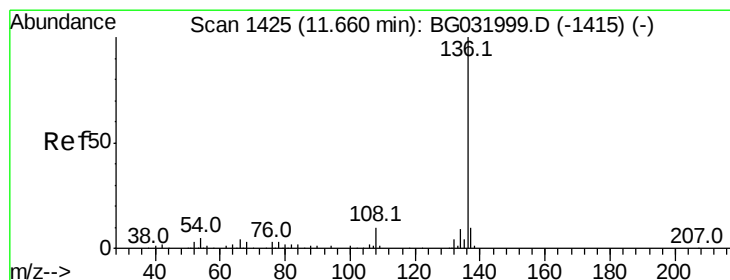
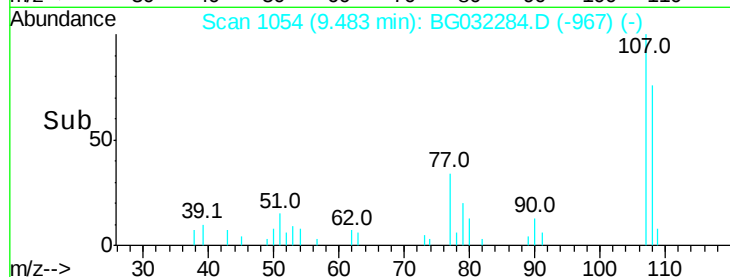
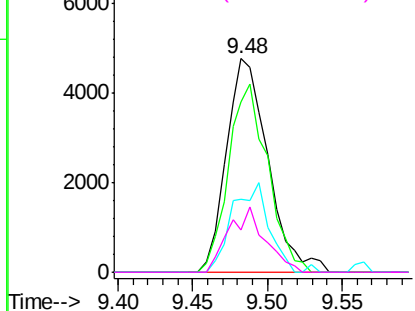
#20
3+4-Methylphenols
Concen: 3.051 ng
RT: 9.48 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BG032284.D
Acq: 25 Jan 2018 6:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:107	Resp:	9283
Ion Ratio	Lower	Upper
107	100	
108	79.5	61.6 101.6
77	34.2	13.9 53.9
79	20.1	8.8 48.8

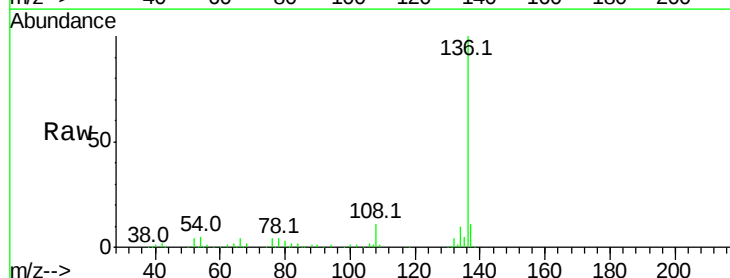


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

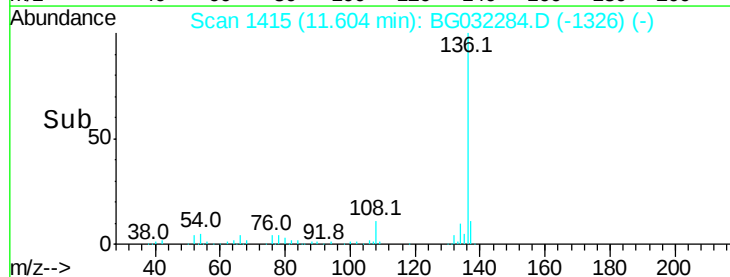
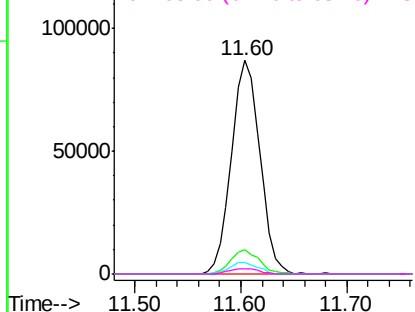


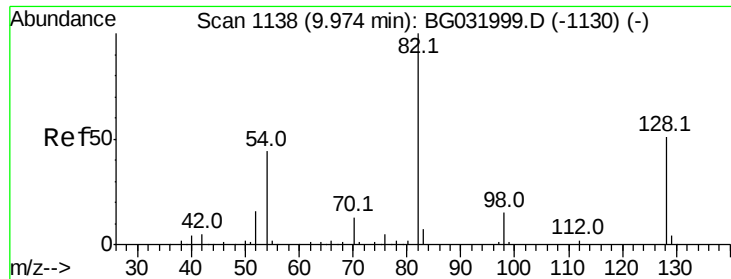
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BG032284.D
Acq: 25 Jan 2018 6:24

Tgt Ion:136	Resp:	161944
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.2 13.8
54	5.1	10.3 15.5#
68	2.5	4.5 6.7#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

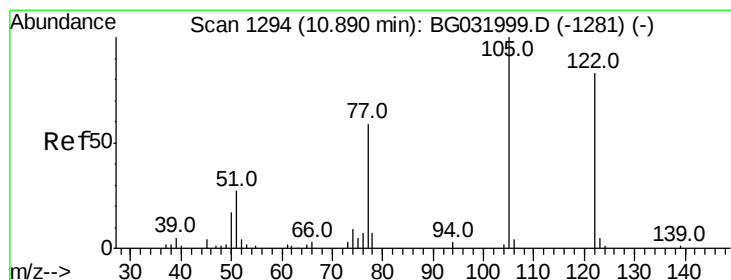
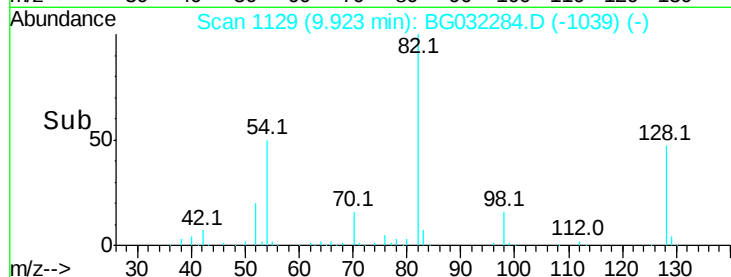
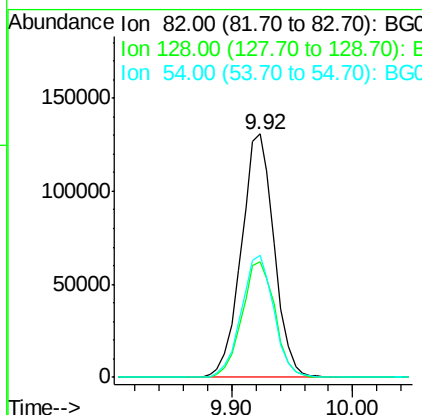
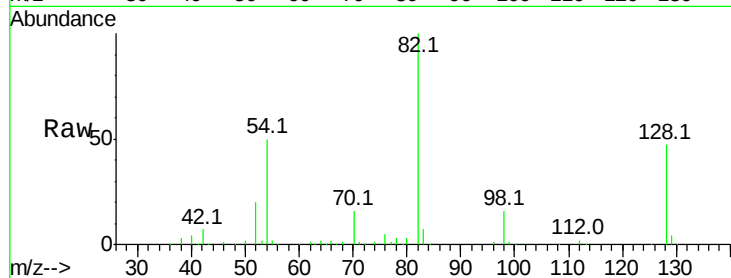




#23
Nitrobenzene-d5
Concen: 103.065 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BG032284.D
Acq: 25 Jan 2018 6:24

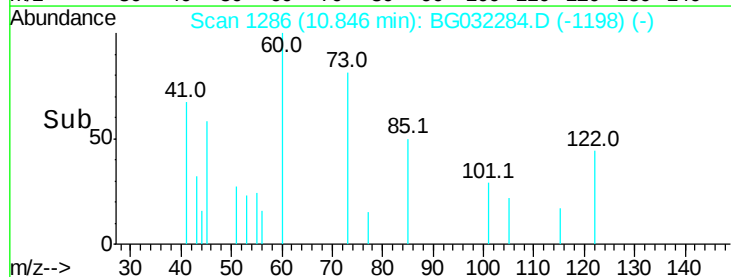
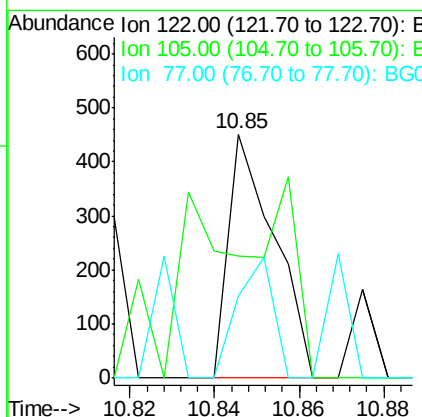
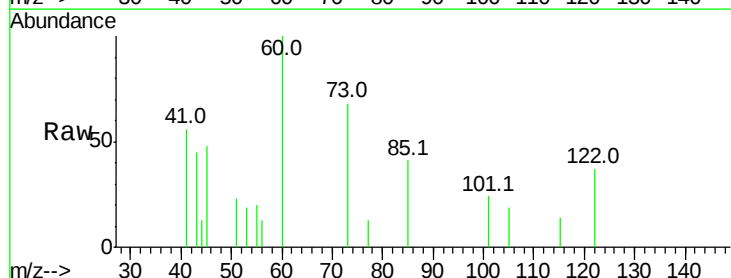
Instrument :
BNA_G
ClientSampleId :

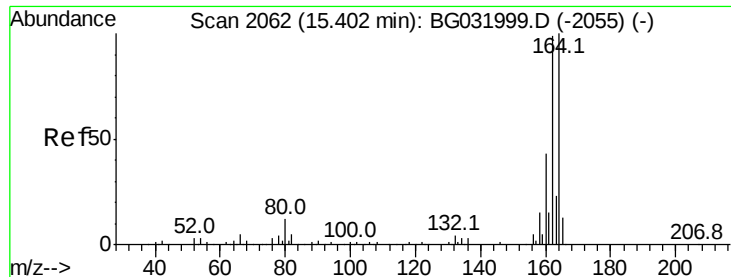
Tot Ion: 82 Resp: 246706
Ion Ratio Lower Upper
82 100
128 47.3 29.7 44.5#
54 49.9 43.1 64.7



#32
Benzoic acid
Concen: 5.423 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG032284.D
Acq: 25 Jan 2018 6:24

Tgt Ion:122 Resp: 338
Ion Ratio Lower Upper
122 100
105 50.1 123.5 163.5#
77 33.7 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BG032284.D

Acq: 25 Jan 2018 6:24

Instrument :

BNA_G

ClientSampleId :

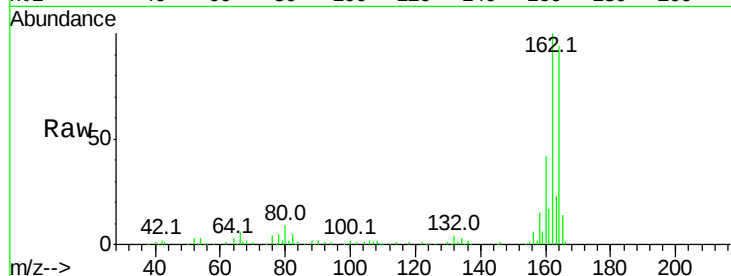
Tot Ion:164 Resp: 110536

Ion Ratio Lower Upper

164 100

162 106.5 78.8 118.2

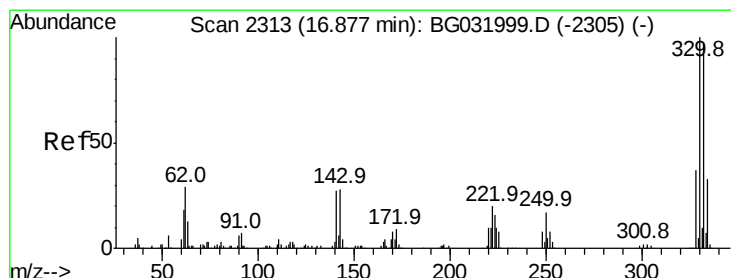
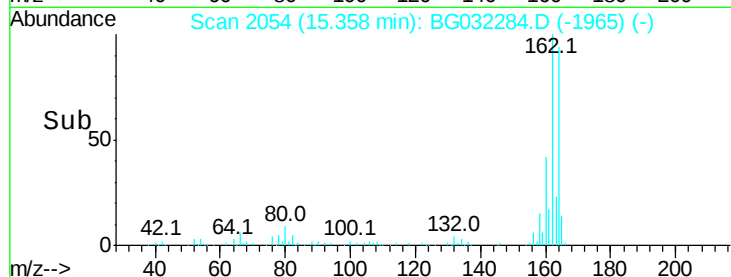
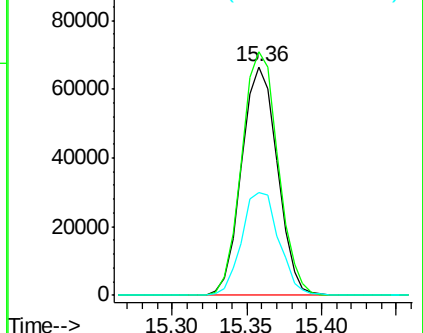
160 45.0 35.4 53.0



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: 164.214 ng

RT: 16.84 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BG032284.D

Acq: 25 Jan 2018 6:24

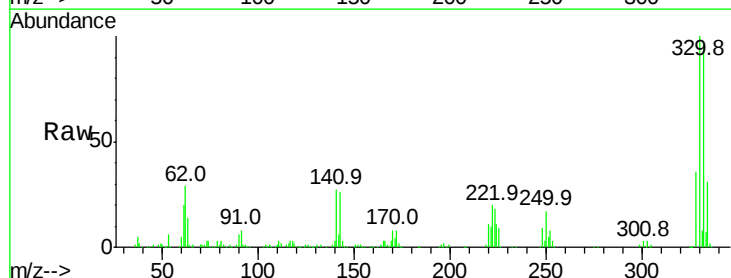
Tgt Ion:330 Resp: 300366

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

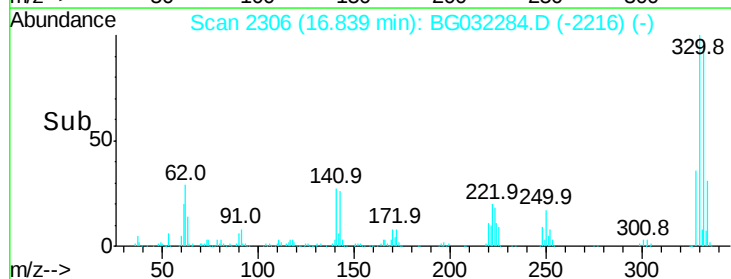
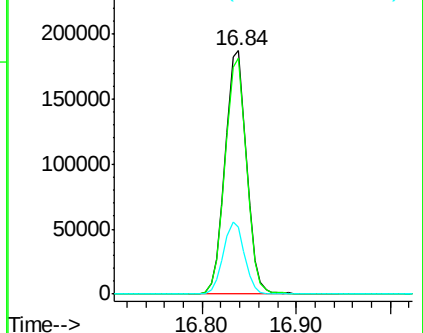
141 29.2 25.2 37.8

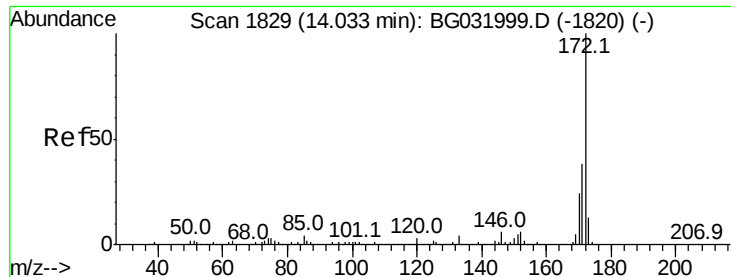


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

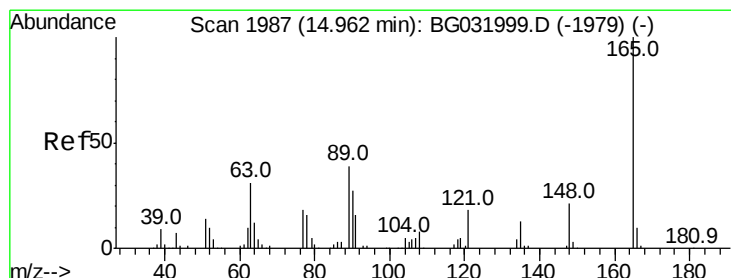
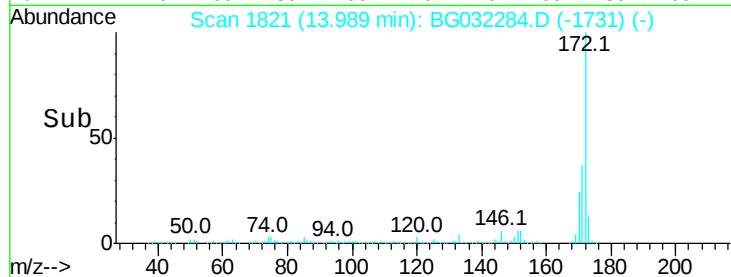
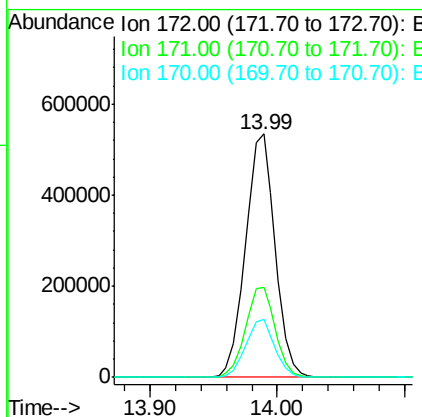
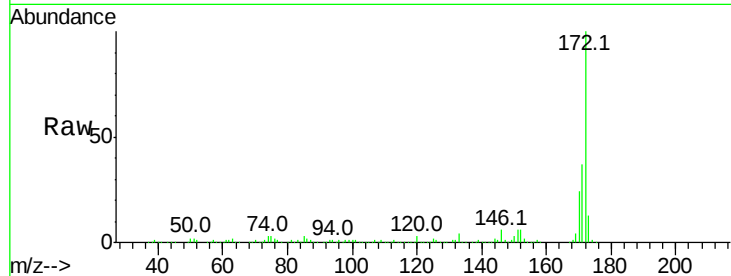




#44
 2-Fluorobiphenyl
 Concen: 96.685 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BG032284.D
 Acq: 25 Jan 2018 6:24

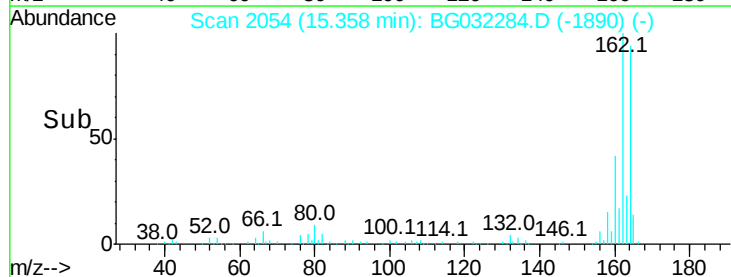
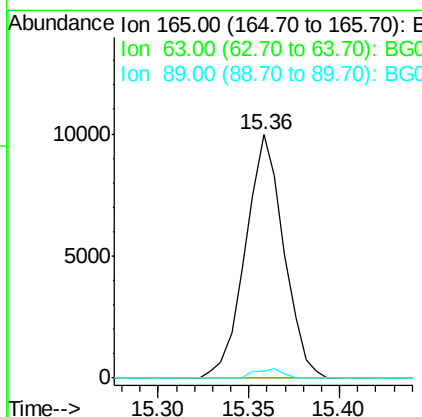
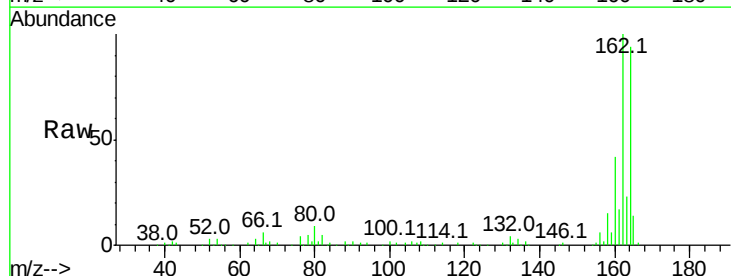
Instrument :
 BNA_G
 ClientSampleId :

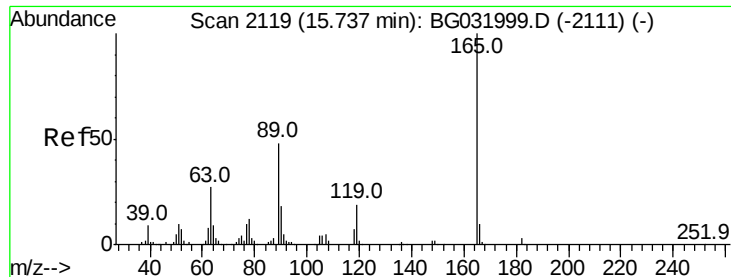
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	23.8	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.293 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.44 min
 Lab File: BG032284.D
 Acq: 25 Jan 2018 6:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.9	49.2	73.8#

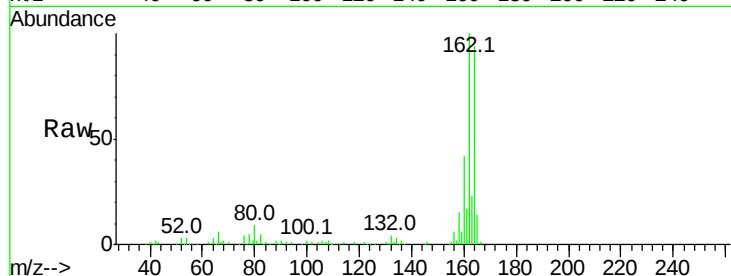




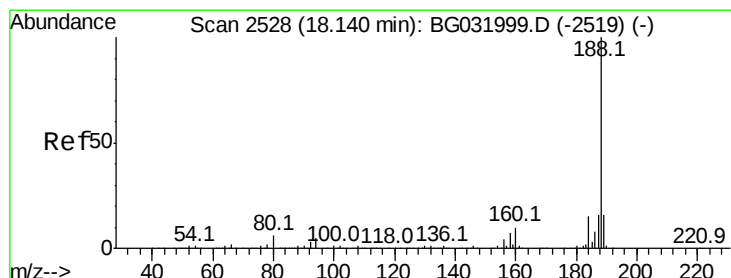
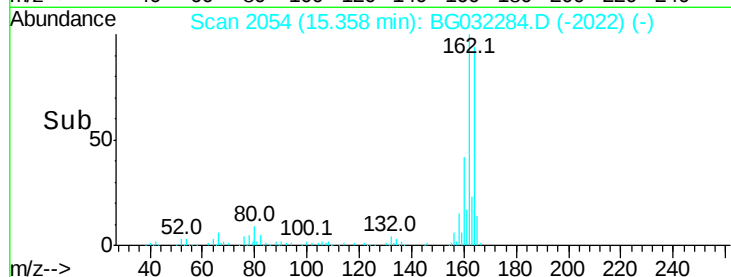
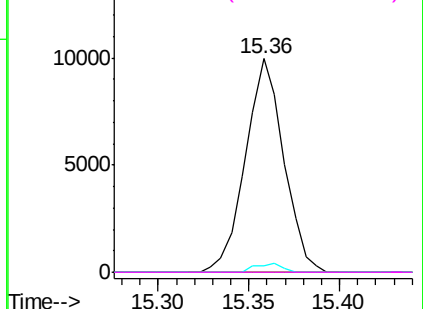
#56
2,4-Dinitrotoluene
Concen: 5.417 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.34 min
Lab File: BG032284.D
Acq: 25 Jan 2018 6:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 14643
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.9 66.9 100.3#
182 0.0 2.6 3.8#

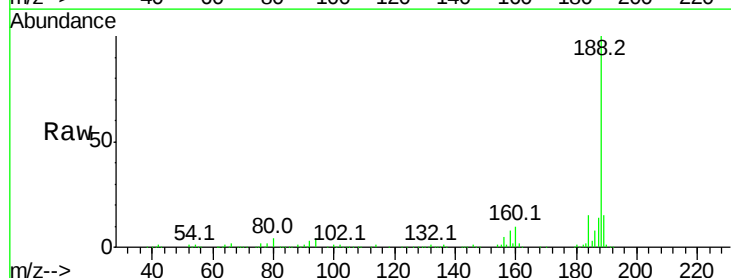


Abundance Ion 165.00 (164.70 to 165.70): E

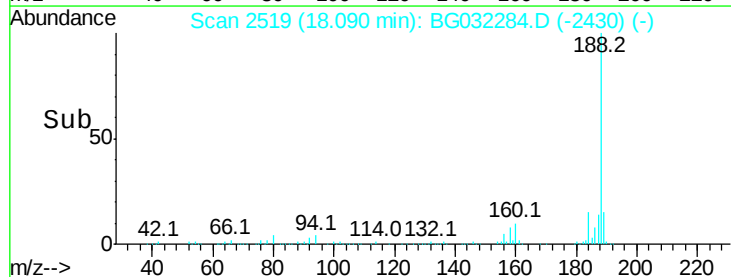
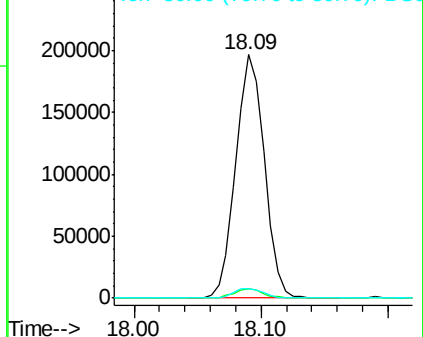


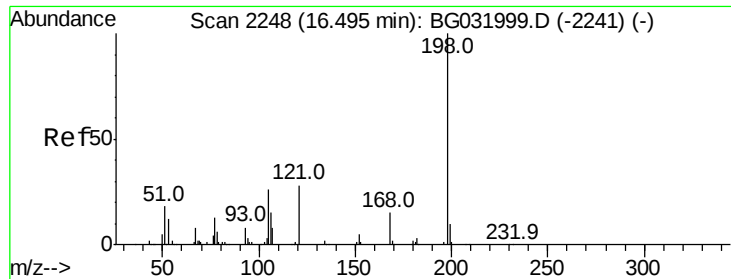
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2519
Delta R.T. -0.00 min
Lab File: BG032284.D
Acq: 25 Jan 2018 6:24

Tgt Ion:188 Resp: 307384
Ion Ratio Lower Upper
188 100
94 3.7 6.9 10.3#
80 4.0 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

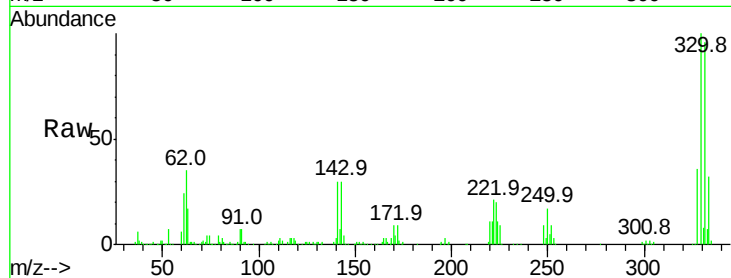




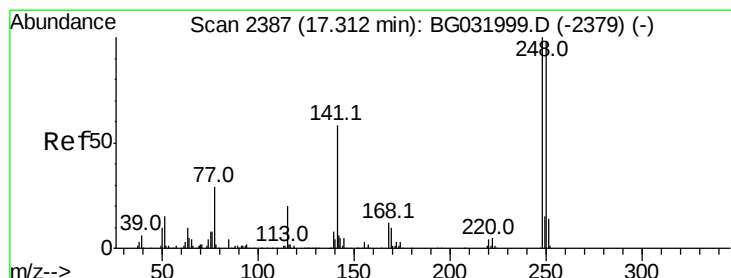
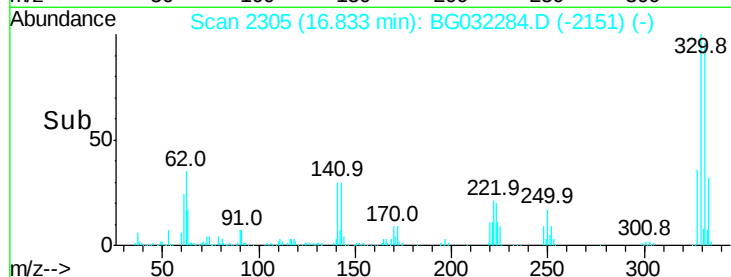
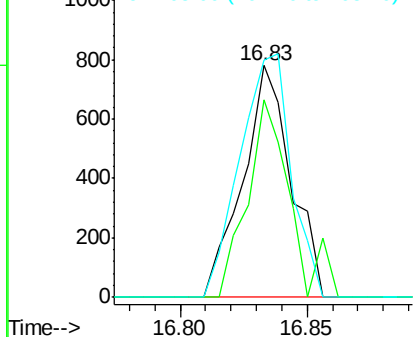
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.358 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. 0.38 min
 Lab File: BG032284.D
 Acq: 25 Jan 2018 6:24

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 1037
 Ion Ratio Lower Upper
 198 100
 51 85.4 30.6 70.6#
 105 102.2 23.8 63.8#

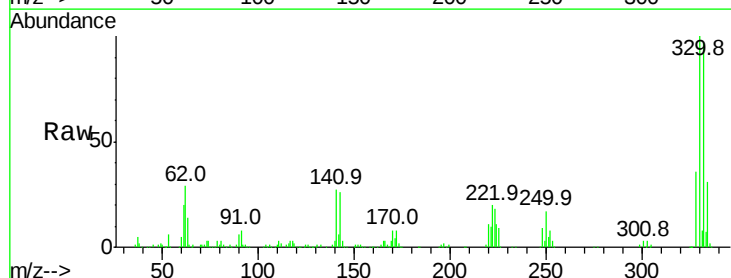


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

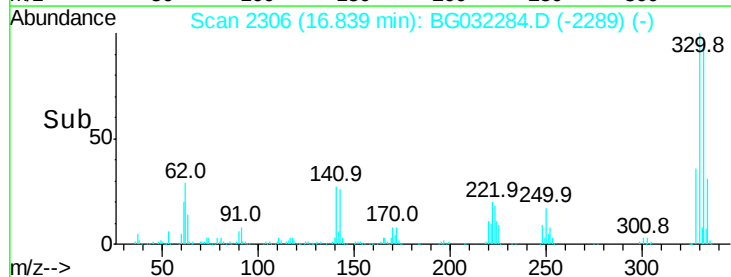
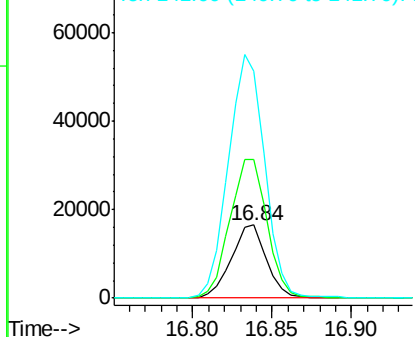


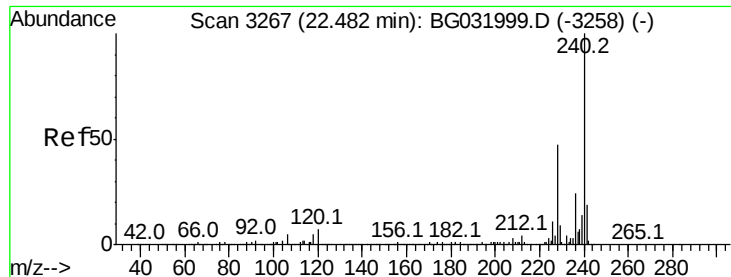
#66
 4-Bromophenyl-phenylether
 Concen: 5.842 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.43 min
 Lab File: BG032284.D
 Acq: 25 Jan 2018 6:24

Tgt Ion:248 Resp: 25552
 Ion Ratio Lower Upper
 248 100
 250 190.0 77.1 115.7#
 141 309.6 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. -0.00 min

Lab File: BG032284.D

Acq: 25 Jan 2018 6:24

Instrument :

BNA_G

ClientSampleId :

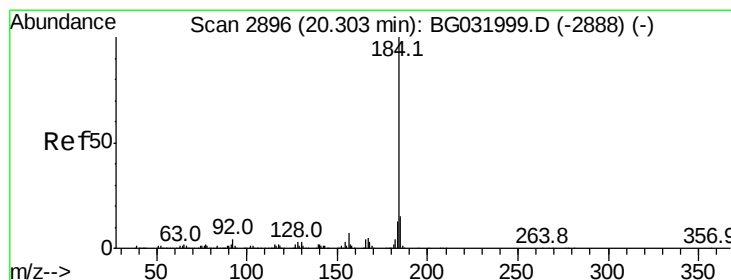
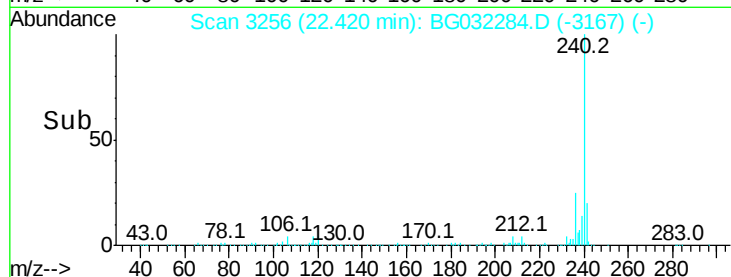
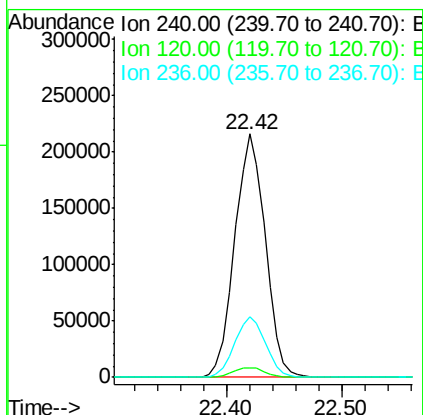
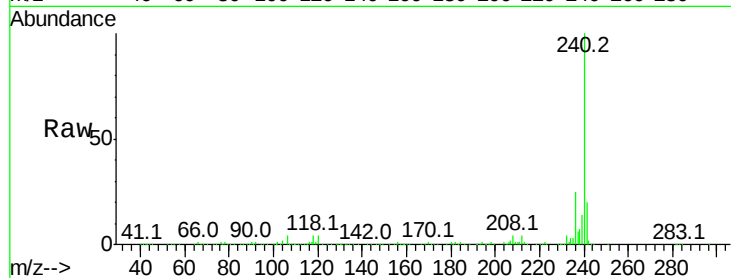
Tot Ion:240 Resp: 396762

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

236 24.7 20.9 31.3



#76

Benzidine

Concen: 2.687 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032284.D

Acq: 25 Jan 2018 6:24

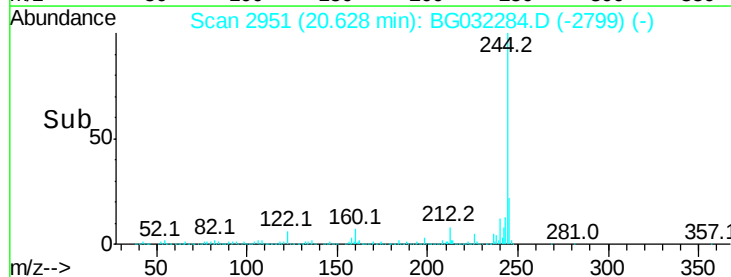
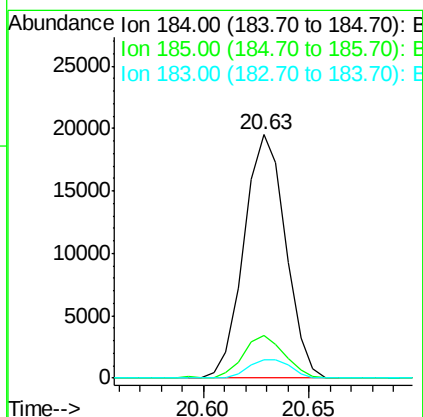
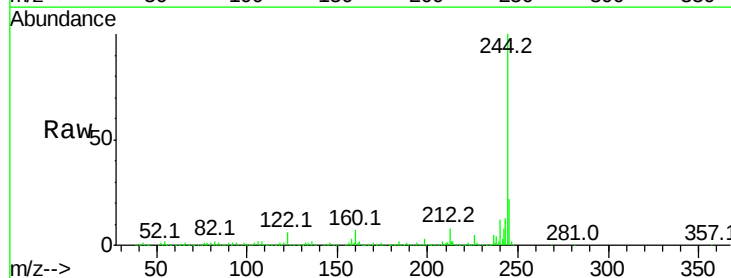
Tgt Ion:184 Resp: 26658

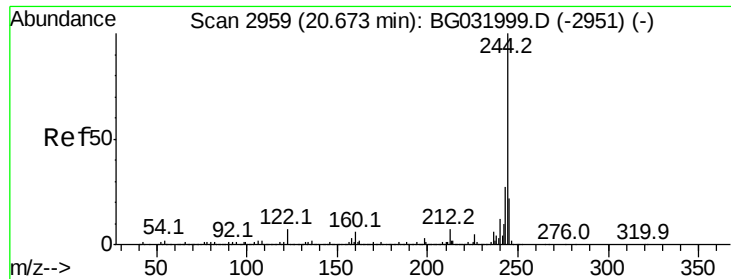
Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

183 7.8 10.6 16.0#



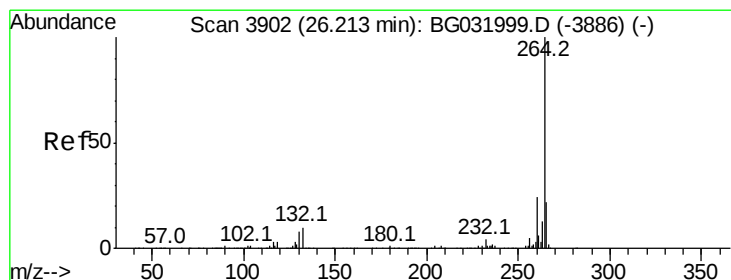
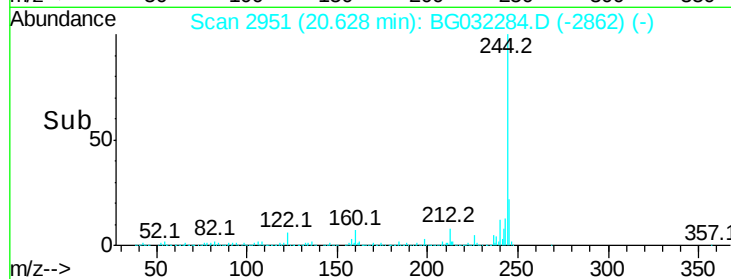
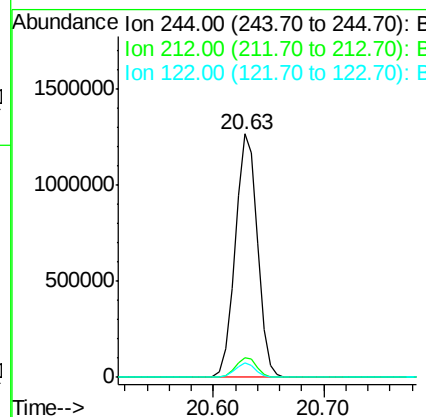
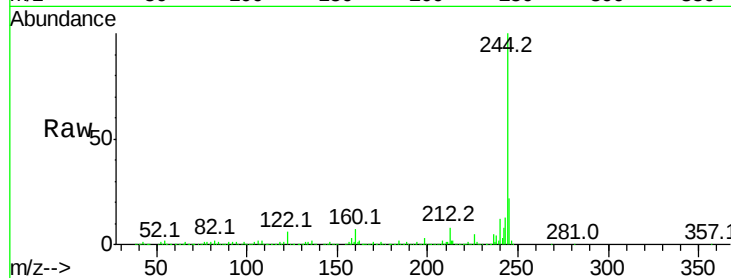


#78
 Terphenyl-d14
 Concen: 99.412 ng
 RT: 20.63 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: BG032284.D
 Acq: 25 Jan 2018 6:24

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1786323

Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.8
122	6.1	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3883
 Delta R.T. -0.00 min
 Lab File: BG032284.D
 Acq: 25 Jan 2018 6:24

Tgt Ion:264 Resp: 409678

Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	21.1	17.7	26.5

