

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032280.D
 Acq On : 25 Jan 2018 3:54
 Operator : SJ/JU
 Sample : J1015-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 07:34:39 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	47654	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	180661	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	121468	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	336324	20.00	ng	0.00
75) Chrysene-d12	22.42	240	432271	20.00	ng	0.00
86) Perylene-d12	26.10	264	441204	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	287448	110.32	ng	0.00
7) Phenol-d6	7.84	99	327750	99.88	ng	0.00
23) Nitrobenzene-d5	9.92	82	252968	94.73	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	274603	136.62	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	861428	87.93	ng	0.00
78) Terphenyl-d14	20.63	244	1745836	89.18	ng	0.00

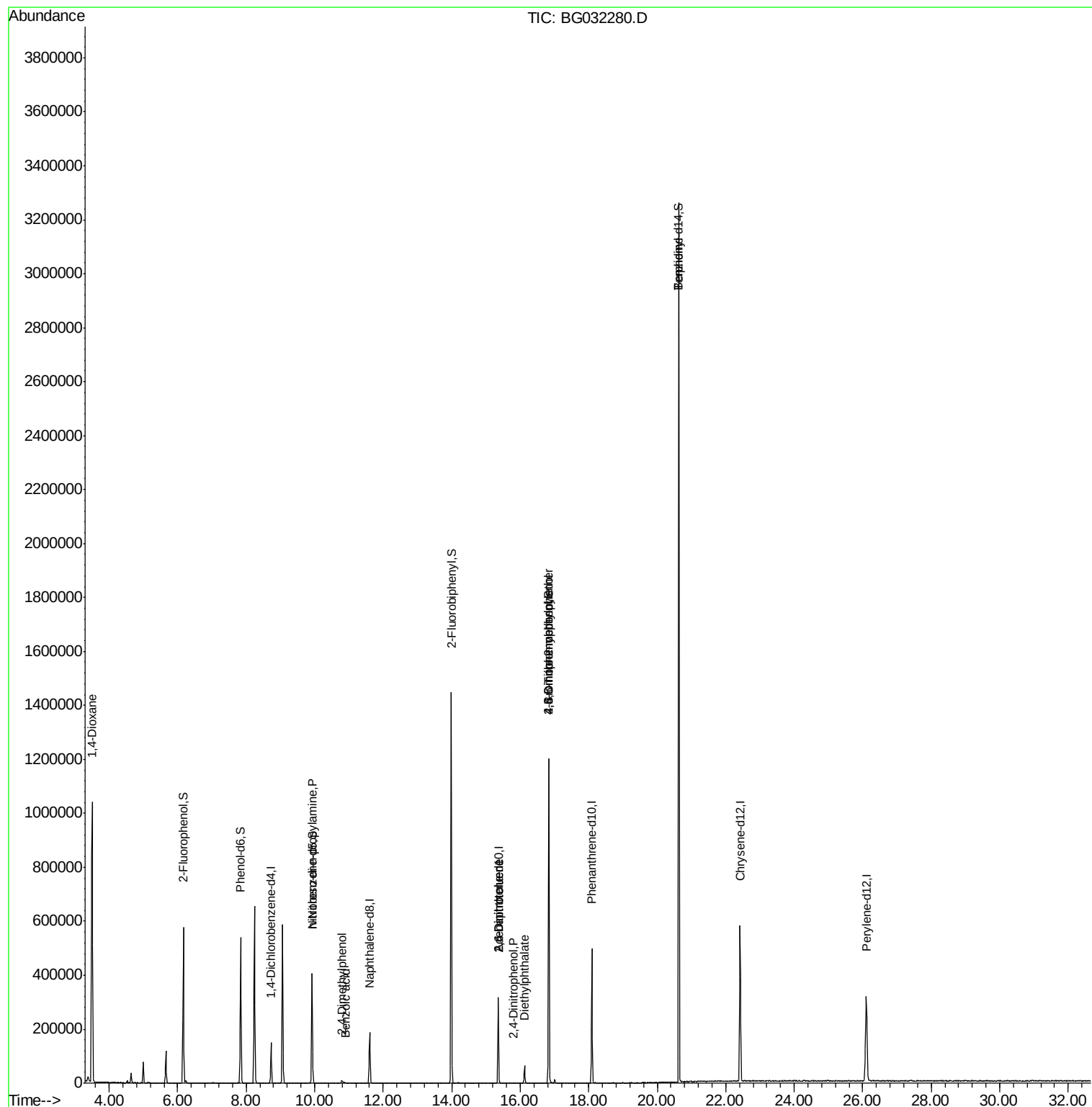
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	13580	13.566	ng	# 1
19) n-Nitroso-di-n-propylamine	9.92	70	36584	17.968	ng	# 73
27) 2,4-Dimethylphenol	10.79	122	5666	2.262	ng	# 1
32) Benzoic acid	10.90	122	343	5.408	ng	# 70
50) 2,6-Dinitrotoluene	15.36	165	15142	6.863	ng	# 20
53) 2,4-Dinitrophenol	15.80	184	57	7.011	ng	# 1
56) 2,4-Dinitrotoluene	15.36	165	15142	5.098	ng	# 18
59) Diethylphthalate	16.13	149	39947	3.877	ng	# 97
64) 4,6-Dinitro-2-methylphenol	16.84	198	673	5.165	ng	# 45
66) 4-Bromophenyl-phenylether	16.83	248	23190	4.846	ng	# 1
76) Benzidine	20.63	184	24697	2.285	ng	# 89

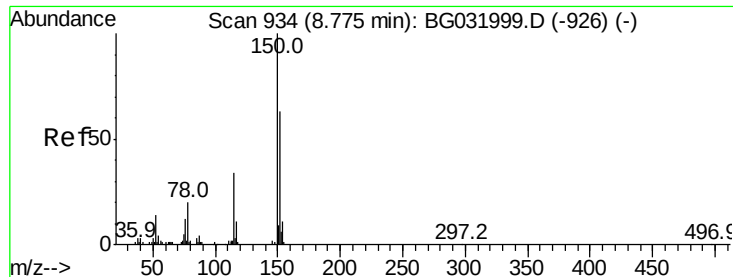
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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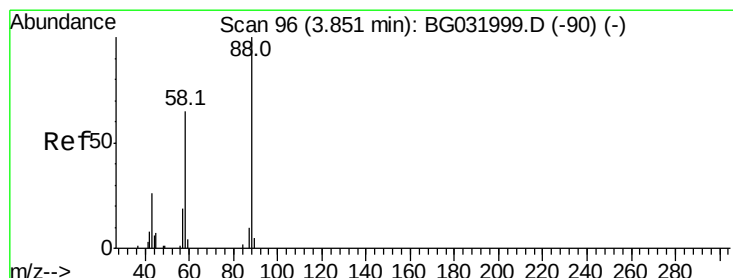
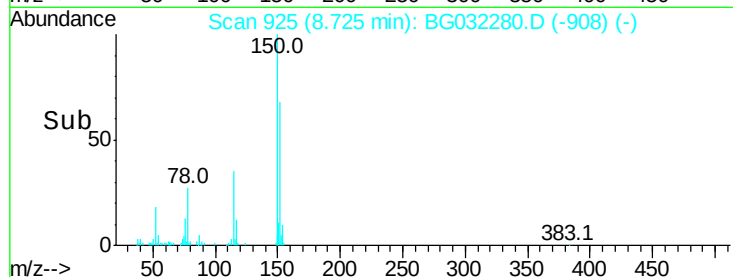
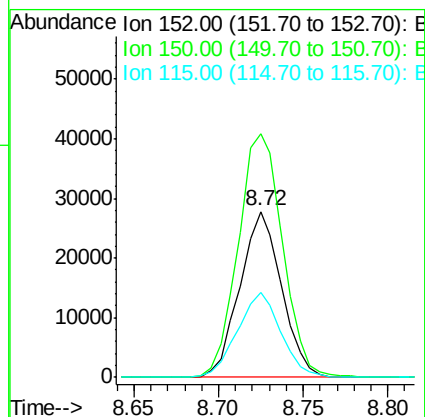
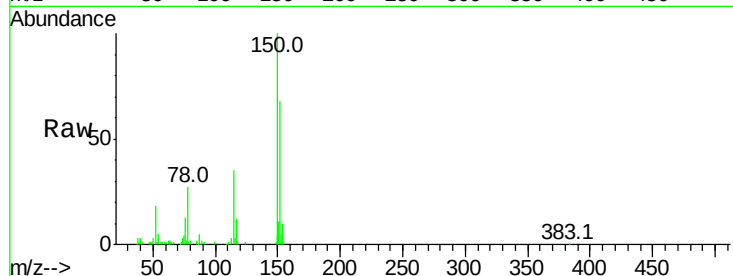


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.72 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: BG032280.D
 Acq: 25 Jan 2018 3:54

Instrument :
 BNA_G
 ClientSampleId :

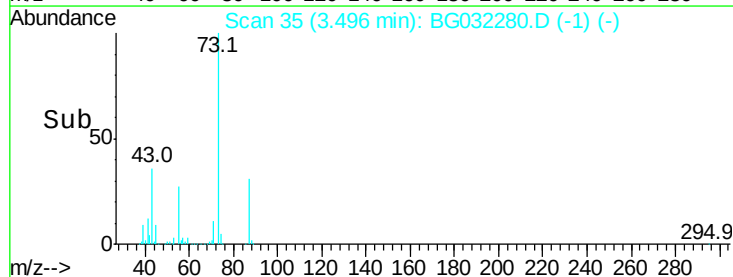
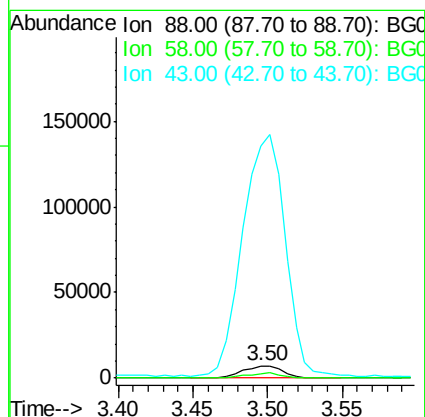
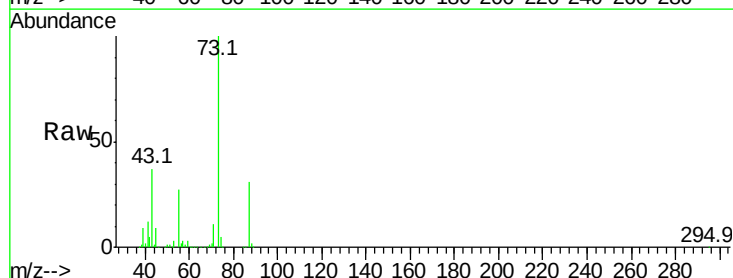
Tot Ion:152 Resp: 47654
 Ion Ratio Lower Upper
 152 100
 150 146.6 126.6 189.8
 115 50.9 53.0 79.4#

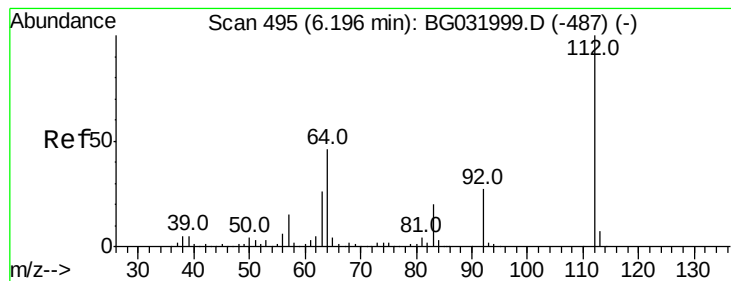


#2

1,4-Dioxane
 Concen: 13.566 ng
 RT: 3.50 min Scan# 35
 Delta R.T. -0.33 min
 Lab File: BG032280.D
 Acq: 25 Jan 2018 3:54

Tgt Ion: 88 Resp: 13580
 Ion Ratio Lower Upper
 88 100
 58 36.1 79.6 119.4#
 43 2060.2 27.4 41.0#





#5

2-Fluorophenol

Concen: 110.321 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032280.D

Acq: 25 Jan 2018 3:54

Instrument :

BNA_G

ClientSampleId :

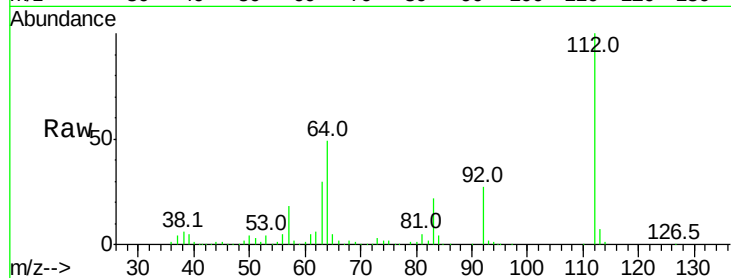
Tot Ion:112 Resp: 287448

Ion Ratio Lower Upper

112 100

64 48.9 56.3 84.5#

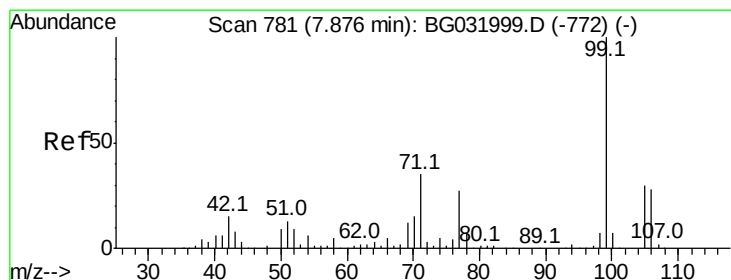
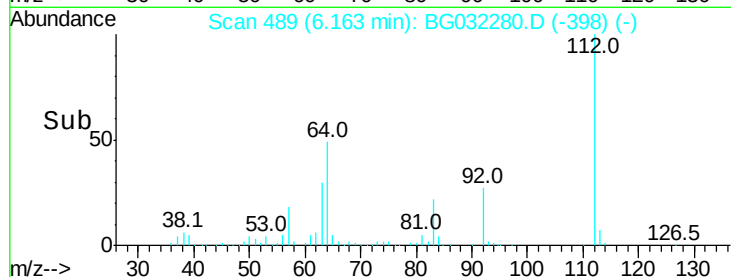
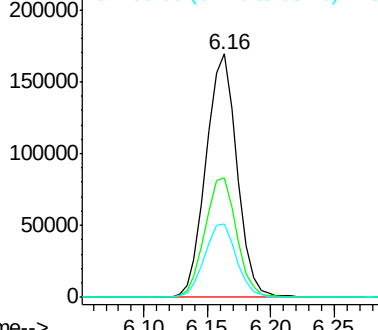
63 30.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 99.877 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.00 min

Lab File: BG032280.D

Acq: 25 Jan 2018 3:54

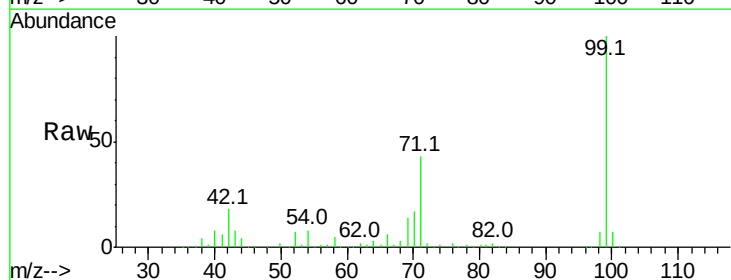
Tgt Ion: 99 Resp: 327750

Ion Ratio Lower Upper

99 100

42 18.0 14.1 21.1

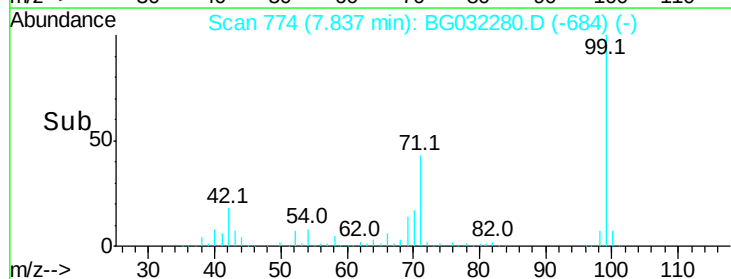
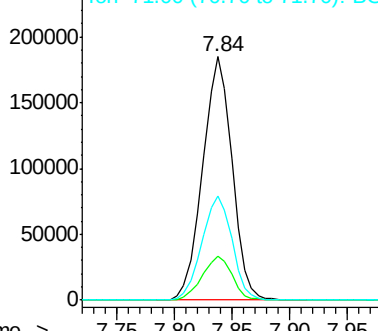
71 43.0 26.1 39.1#

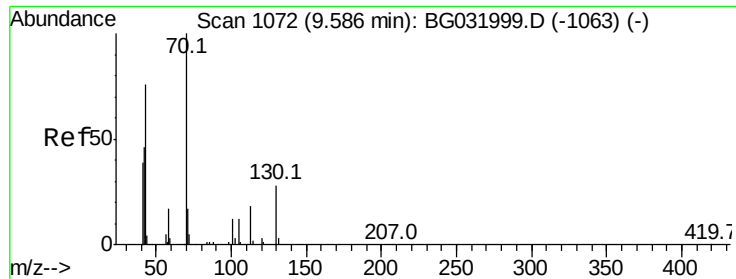


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

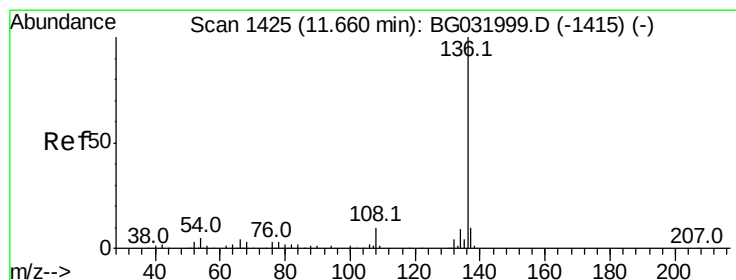
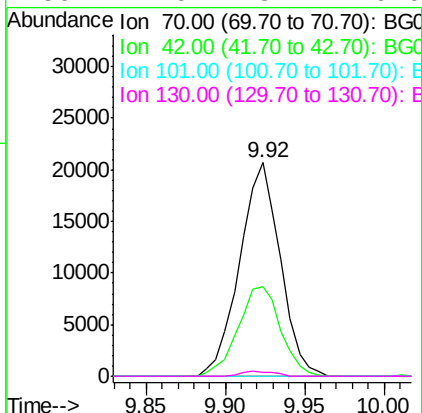
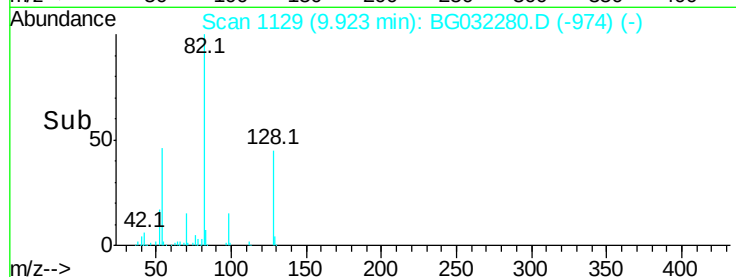
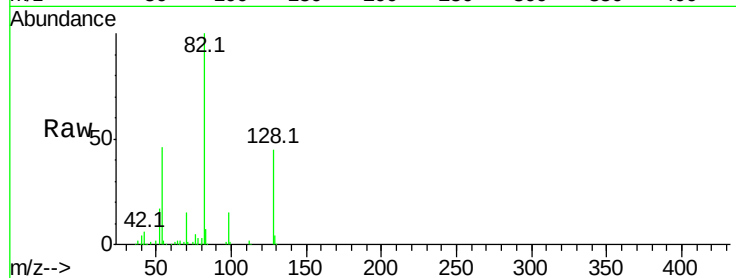




#19
n-Nitroso-di-n-propylamine
Concen: 17.968 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.38 min
Lab File: BG032280.D
Acq: 25 Jan 2018 3:54

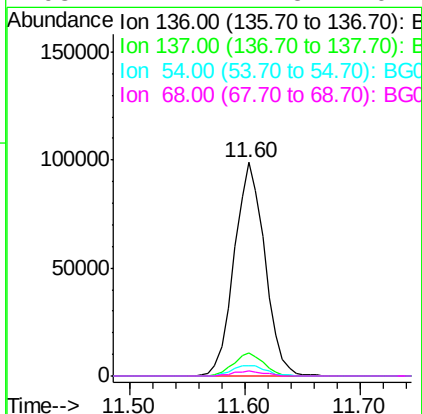
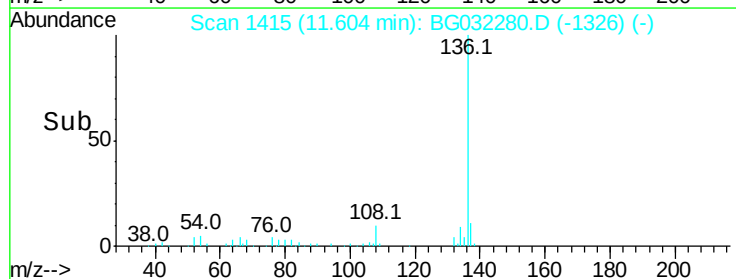
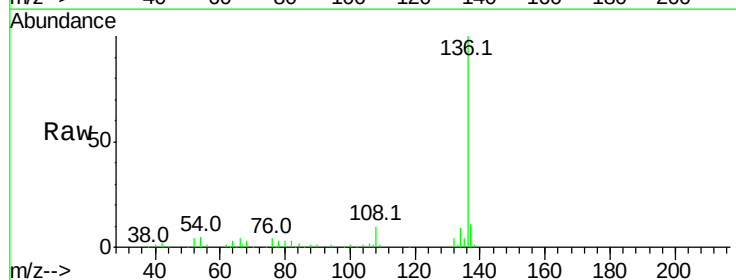
Instrument :
BNA_G
ClientSampleId :

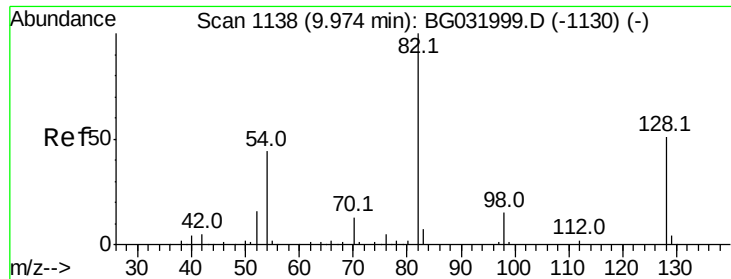
Tot Ion: 70 Resp: 36584
Ion Ratio Lower Upper
70 100
42 42.2 49.1 73.7#
101 0.0 8.5 12.7#
130 2.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BG032280.D
Acq: 25 Jan 2018 3:54

Tgt Ion: 136 Resp: 180661
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 4.6 10.3 15.5#
68 2.7 4.5 6.7#

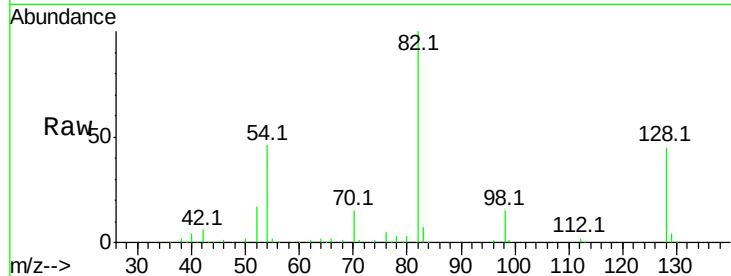




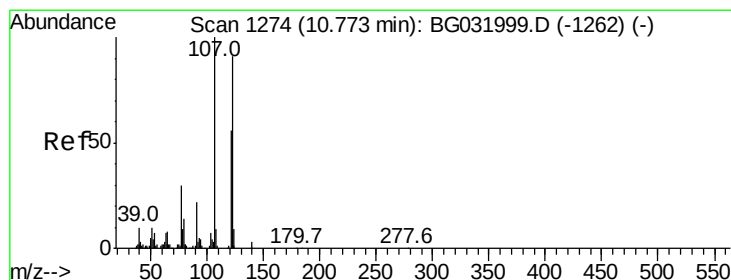
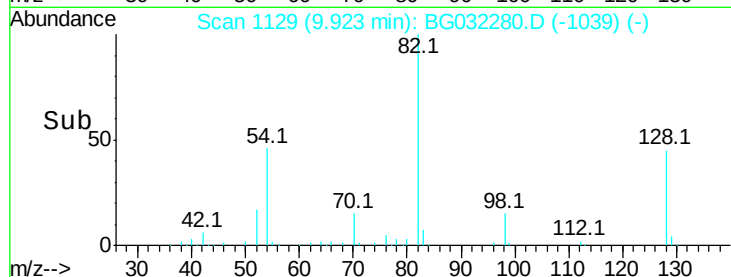
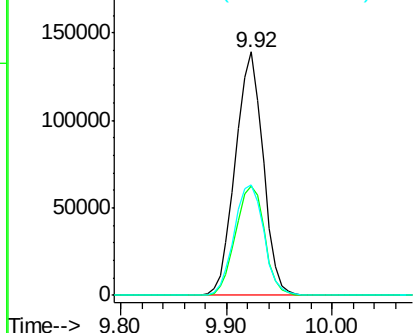
#23
 Nitrobenzene-d5
 Concen: 94.732 ng
 RT: 9.92 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: BG032280.D
 Acq: 25 Jan 2018 3:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	252968
Ion	Ratio	Lower	Upper
82	100		
128	44.9	29.7	44.5#
54	45.6	43.1	64.7

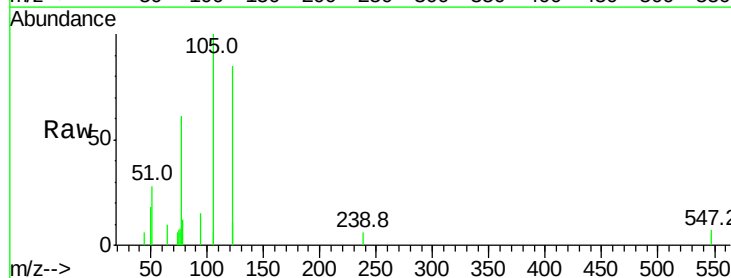


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

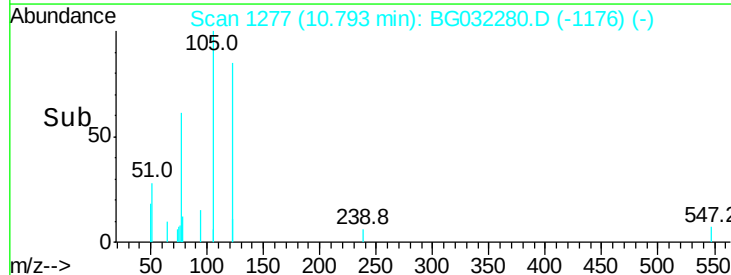
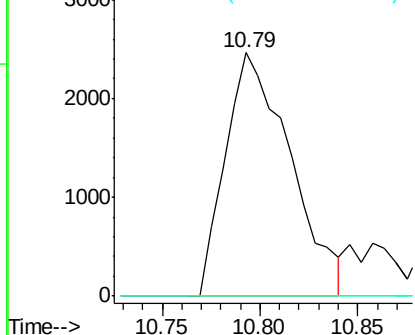


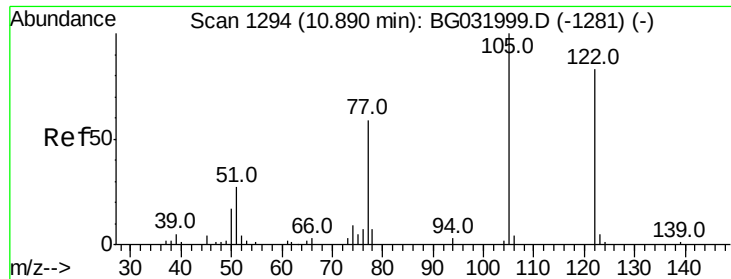
#27
 2,4-Dimethylphenol
 Concen: 2.262 ng
 RT: 10.79 min Scan# 1277
 Delta R.T. 0.07 min
 Lab File: BG032280.D
 Acq: 25 Jan 2018 3:54

Tgt Ion	122	Resp	5666
Ion	Ratio	Lower	Upper
122	100		
107	0.0	100.2	150.2#
121	0.0	44.4	66.6#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 107.00 (106.70 to 107.70): BGC
 Ion 121.00 (120.70 to 121.70): BGC

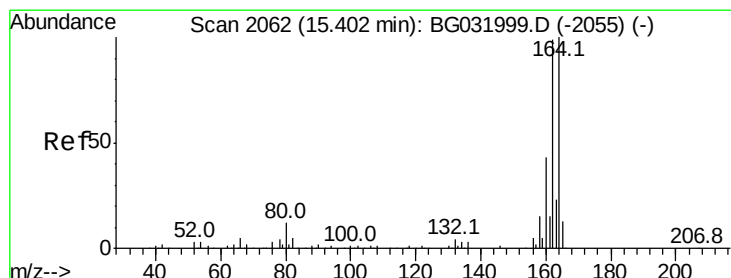
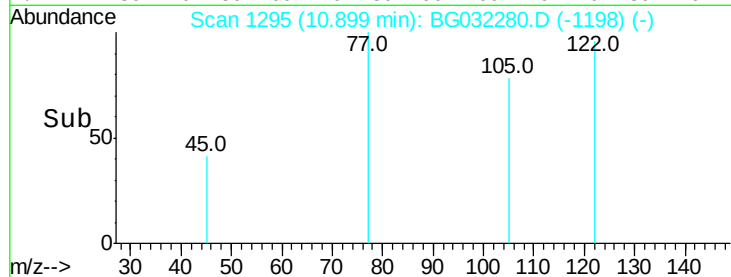
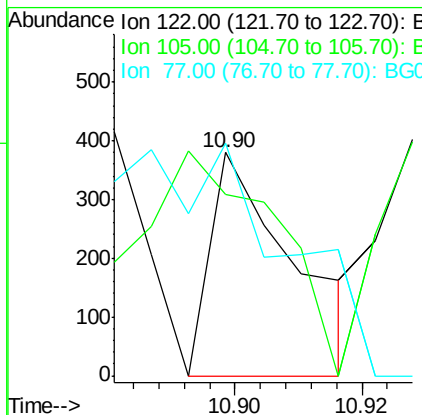
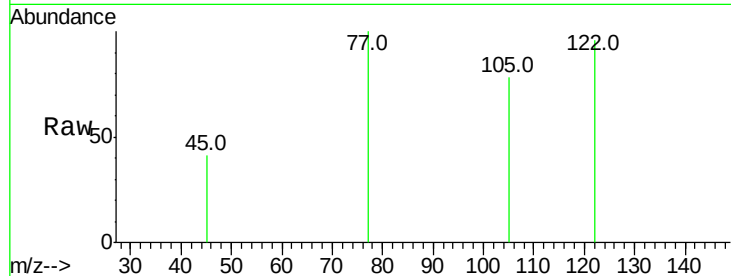




#32
Benzoic acid
Concen: 5.408 ng
RT: 10.90 min Scan# 1295
Delta R.T. 0.04 min
Lab File: BG032280.D
Acq: 25 Jan 2018 3:54

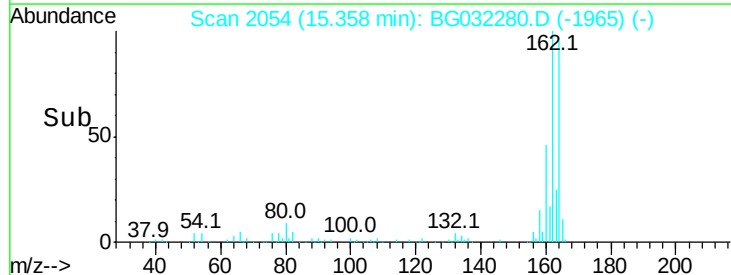
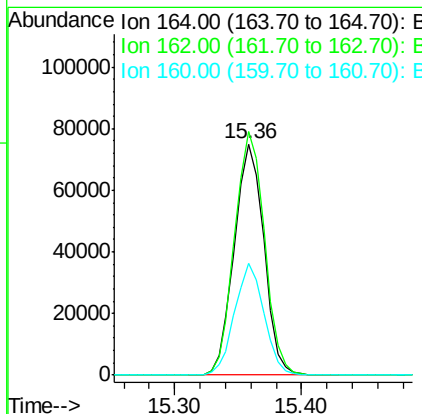
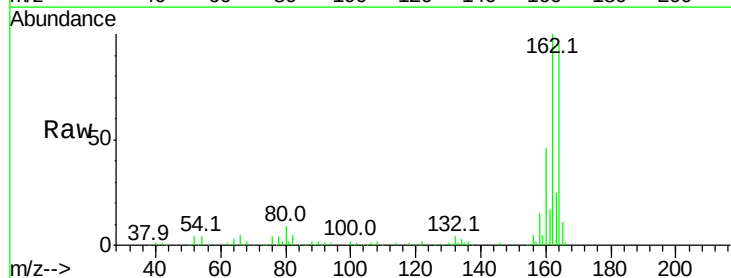
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BNA_G
ClientSampled :

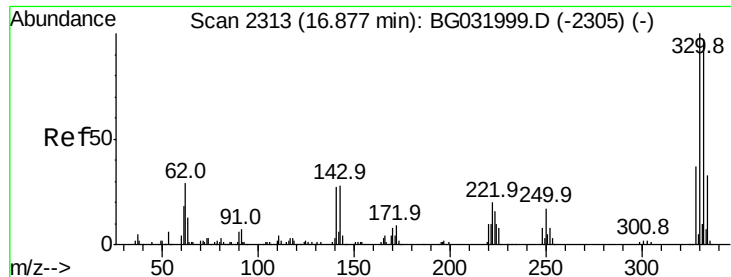
Tot Ion:122 Resp: 343
Ion Ratio Lower Upper
122 100
105 81.1 123.5 163.5#
77 103.9 85.7 125.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BG032280.D
Acq: 25 Jan 2018 3:54

Tgt Ion:164 Resp: 121468
Ion Ratio Lower Upper
164 100
162 105.3 78.8 118.2
160 48.3 35.4 53.0

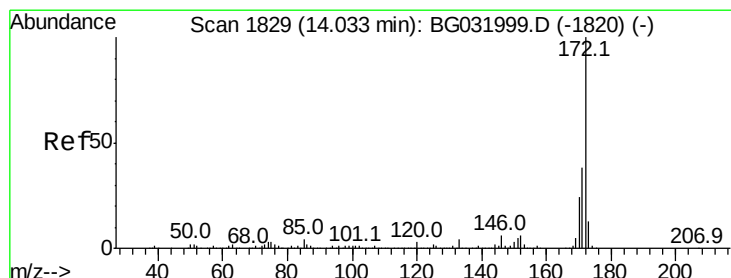
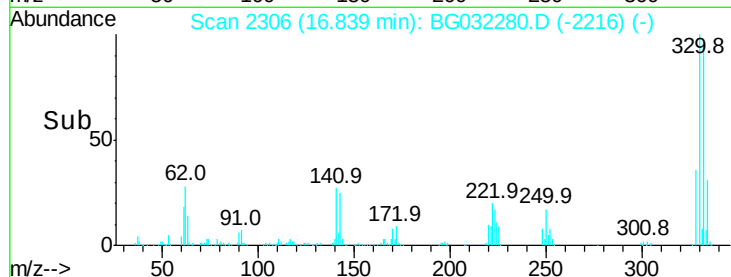
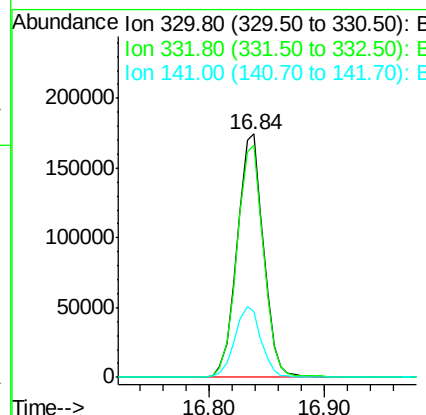
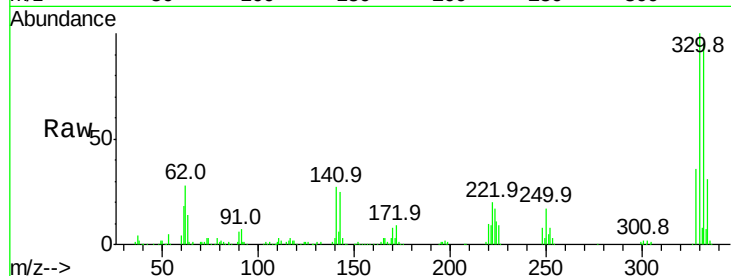




#41
 2,4,6-Tribromophenol
 Concen: 136.618 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: BG032280.D
 Acq: 25 Jan 2018 3:54

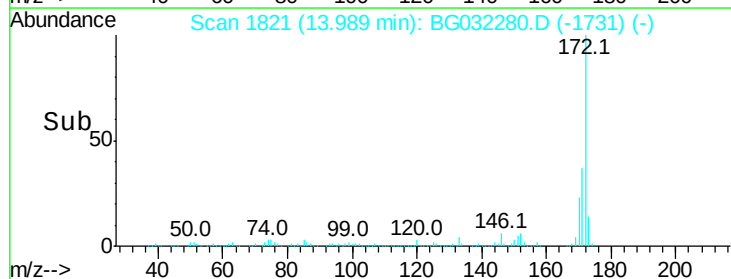
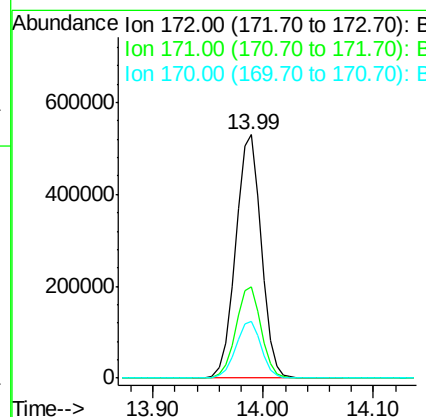
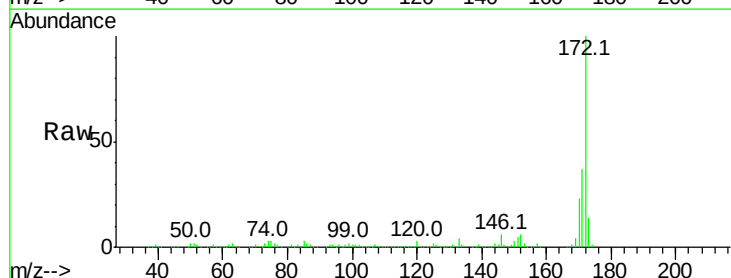
Instrument :
 BNA_G
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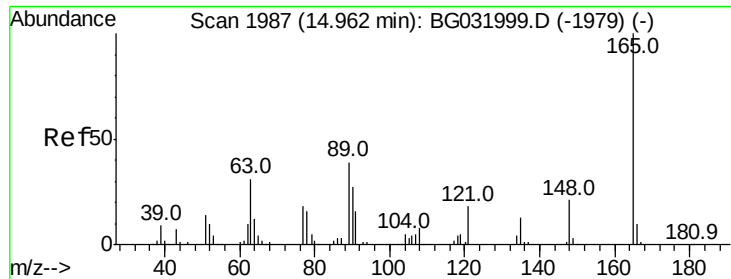
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	29.1	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 87.935 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BG032280.D
 Acq: 25 Jan 2018 3:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	23.4	19.5	29.3

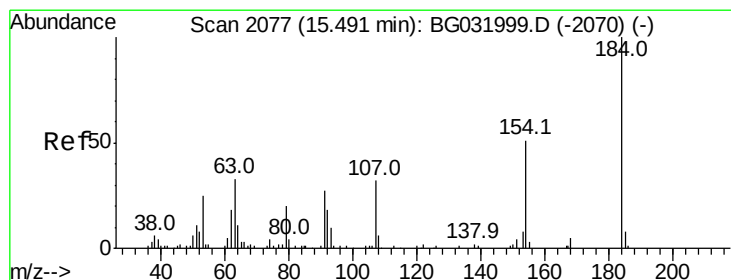
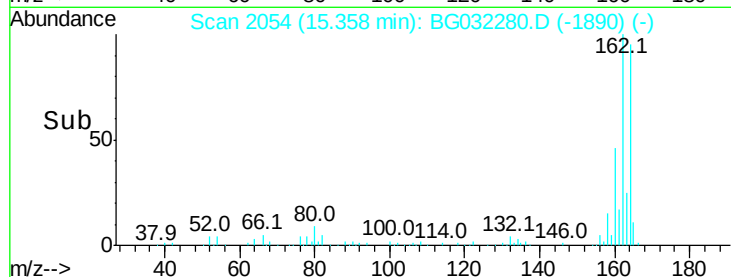
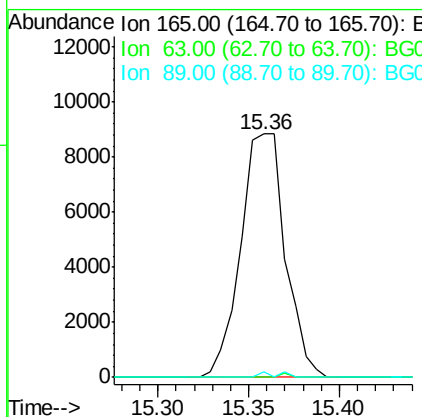
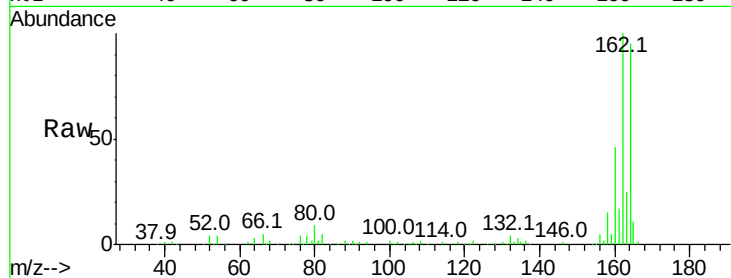




#50
 2,6-Dinitrotoluene
 Concen: 6.863 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.44 min
 Lab File: BG032280.D
 Acq: 25 Jan 2018 3:54

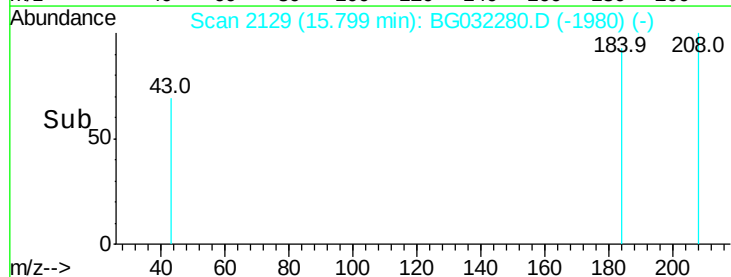
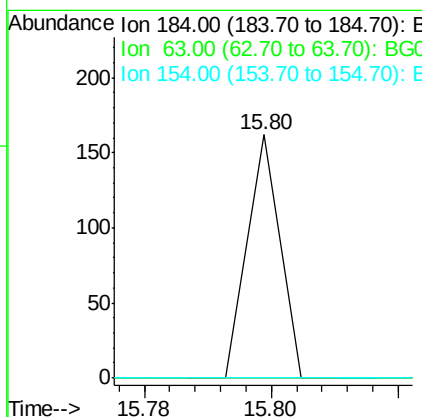
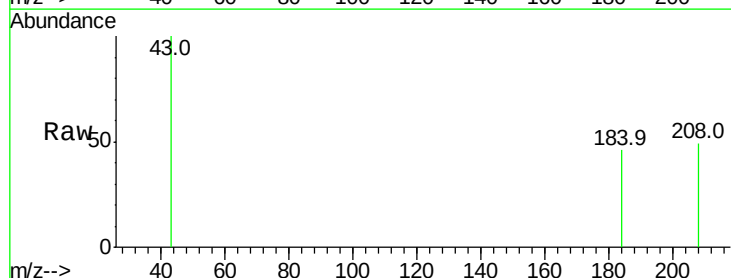
Instrument :
 BNA_G
 ClientSampleId :

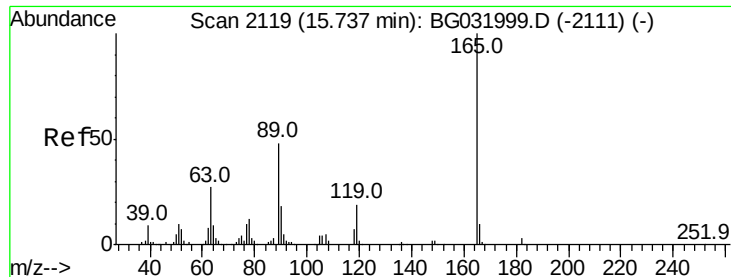
Tot Ion:165 Resp: 15142
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.5 49.2 73.8#



#53
 2,4-Dinitrophenol
 Concen: 7.011 ng
 RT: 15.80 min Scan# 2129
 Delta R.T. 0.35 min
 Lab File: BG032280.D
 Acq: 25 Jan 2018 3:54

Tgt Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

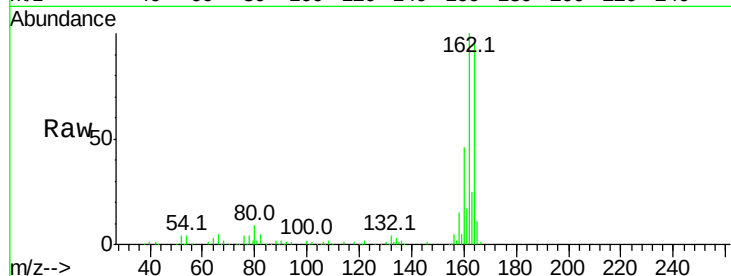




#56
2,4-Dinitrotoluene
Concen: 5.098 ng
RT: 15.36 min Scan# 2054
Delta R.T. -0.34 min
Lab File: BG032280.D
Acq: 25 Jan 2018 3:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.5	66.9	100.3#
182	0.0	2.6	3.8#

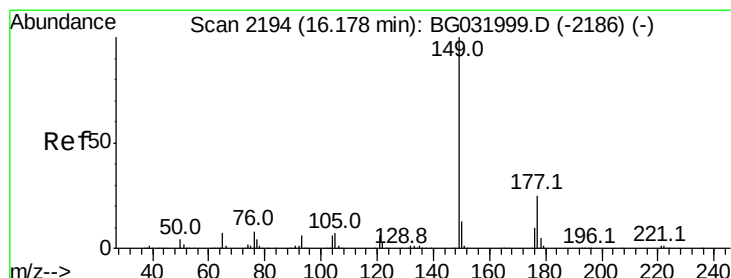
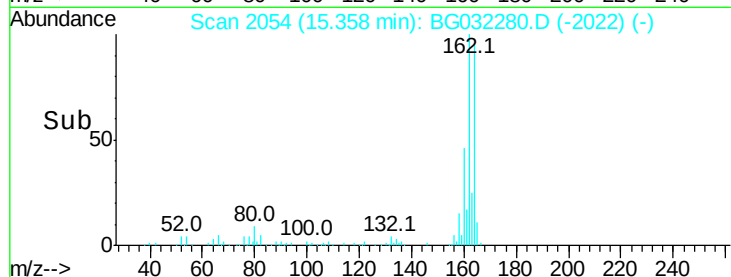
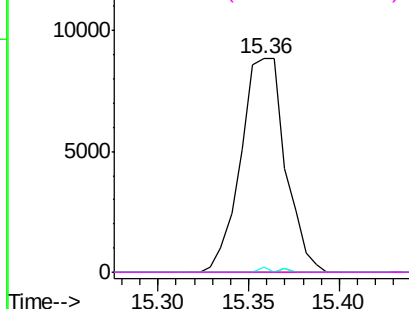


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

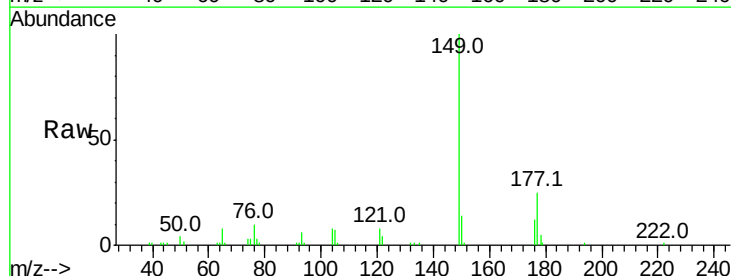
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#59
Diethylphthalate
Concen: 3.877 ng
RT: 16.13 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BG032280.D
Acq: 25 Jan 2018 3:54

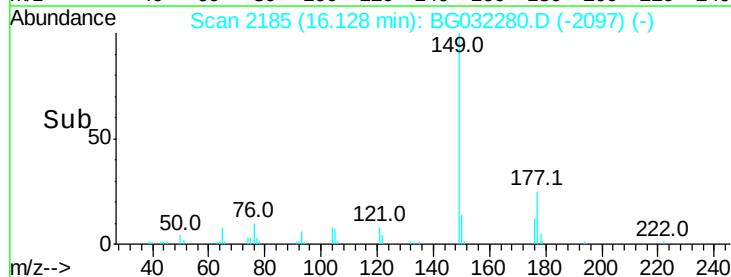
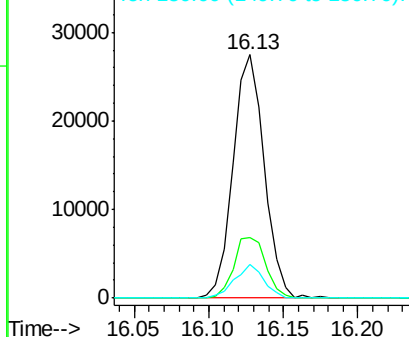
Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.7	18.5	27.7
150	13.9	10.2	15.2

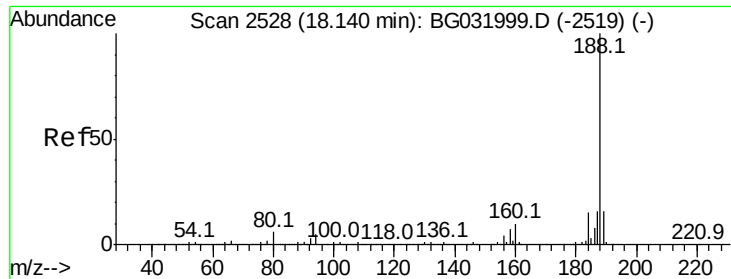


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

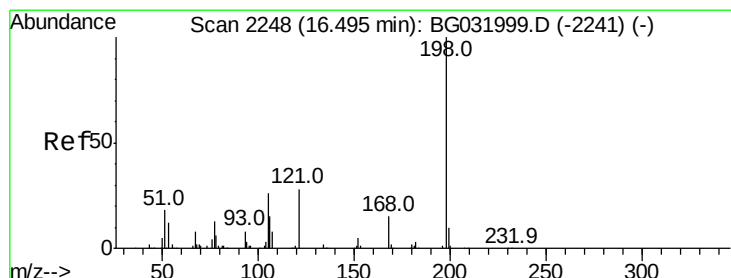
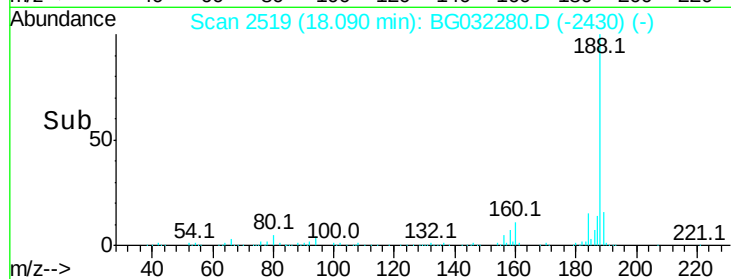
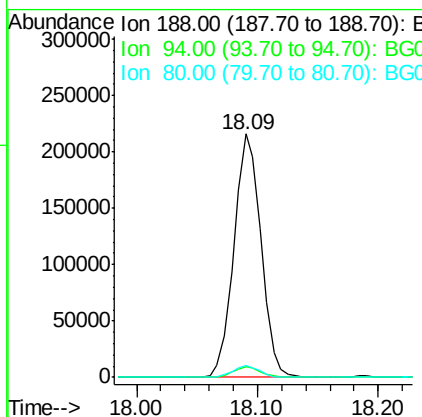
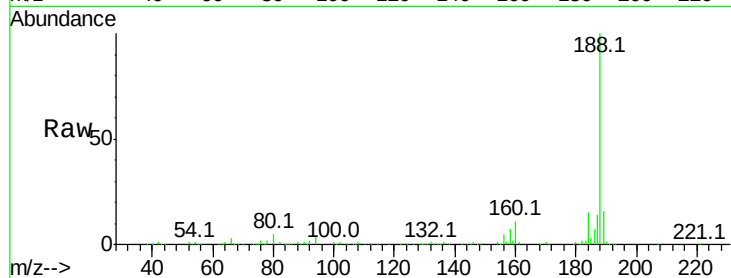




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.00 min
 Lab File: BG032280.D
 Acq: 25 Jan 2018 3:54

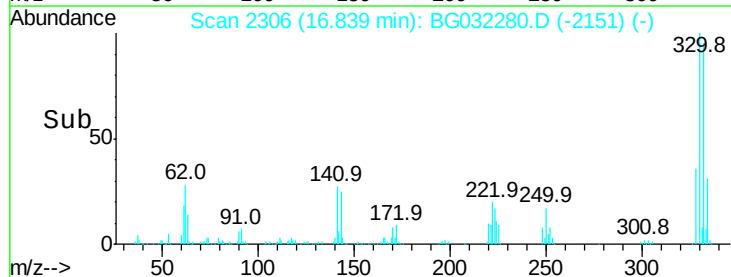
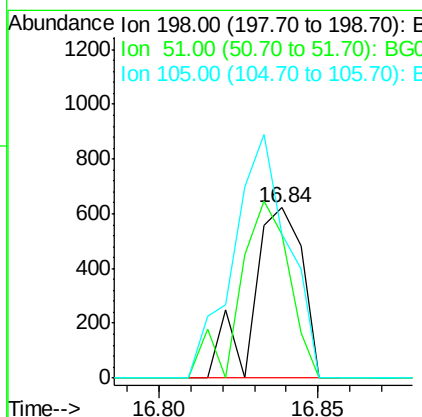
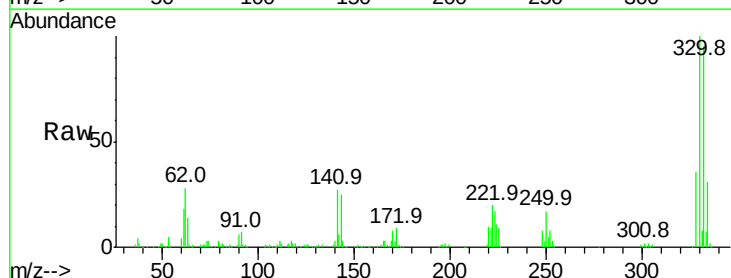
Instrument :
 BNA_G
 ClientSampled :

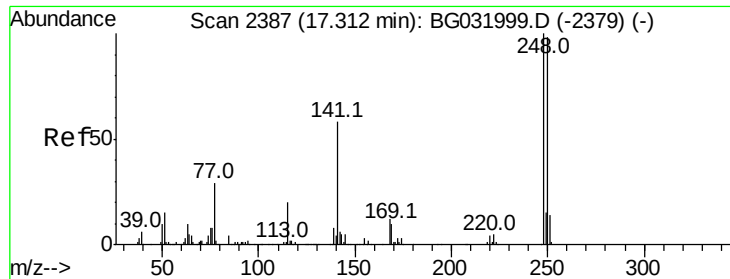
Tot Ion:188 Resp: 336324
 Ion Ratio Lower Upper
 188 100
 94 4.3 6.9 10.3#
 80 5.0 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.165 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. 0.38 min
 Lab File: BG032280.D
 Acq: 25 Jan 2018 3:54

Tgt Ion:198 Resp: 673
 Ion Ratio Lower Upper
 198 100
 51 84.2 30.6 70.6#
 105 84.5 23.8 63.8#

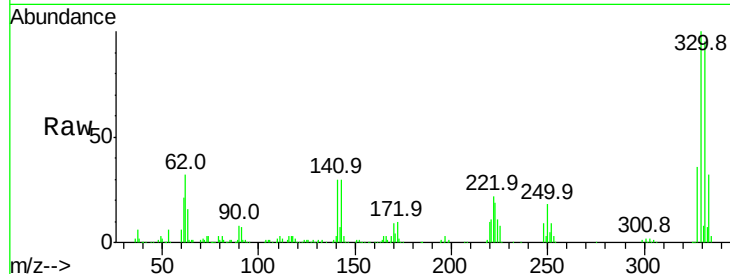




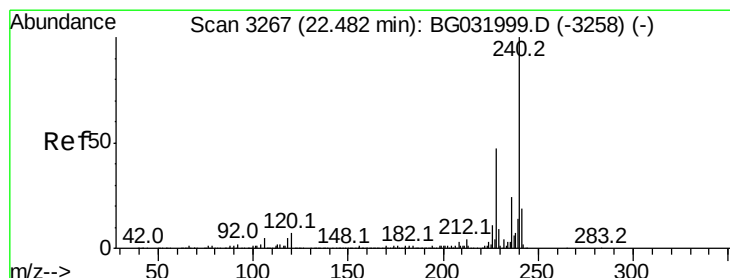
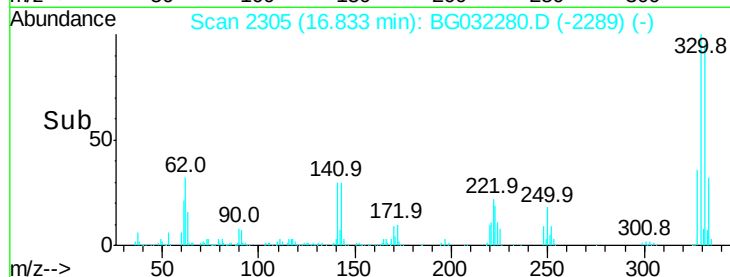
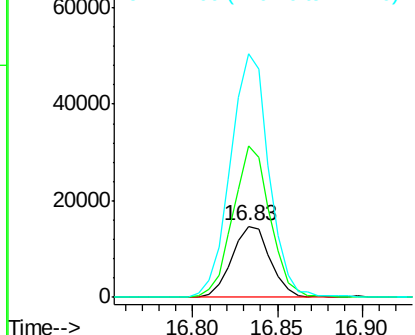
#66
4-Bromophenyl-phenylether
Concen: 4.846 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032280.D
Acq: 25 Jan 2018 3:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 23190
Ion Ratio Lower Upper
248 100
250 212.7 77.1 115.7#
141 342.7 50.8 76.2#

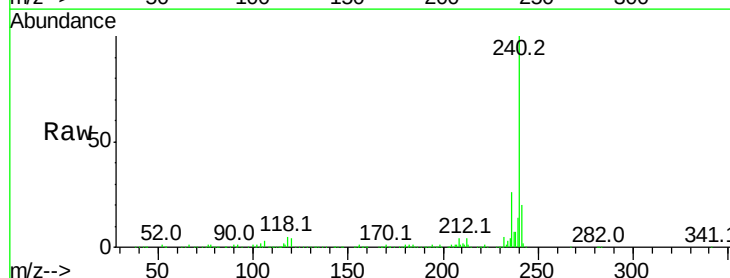


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

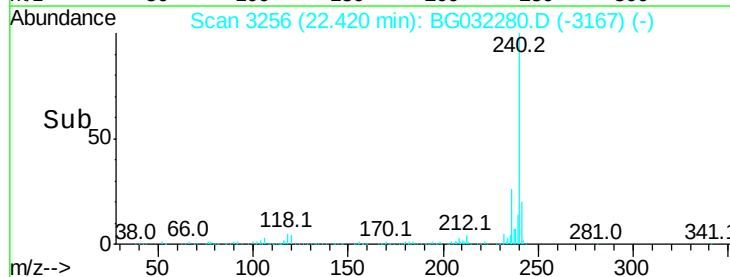
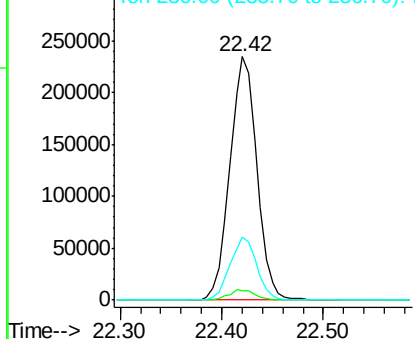


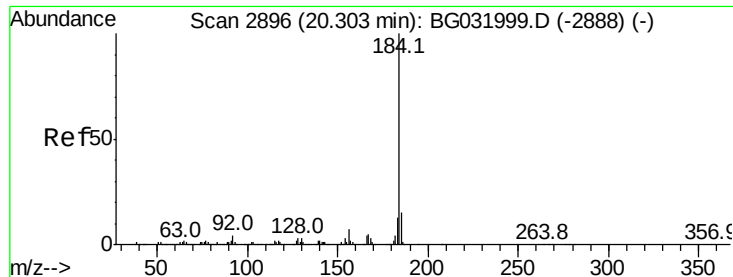
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. -0.00 min
Lab File: BG032280.D
Acq: 25 Jan 2018 3:54

Tgt Ion:240 Resp: 432271
Ion Ratio Lower Upper
240 100
120 4.1 6.8 10.2#
236 26.1 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: 2.285 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.37 min

Lab File: BG032280.D

Acq: 25 Jan 2018 3:54

Instrument :

BNA_G

ClientSampleId :

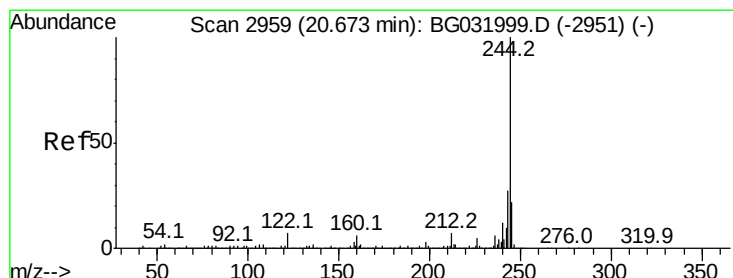
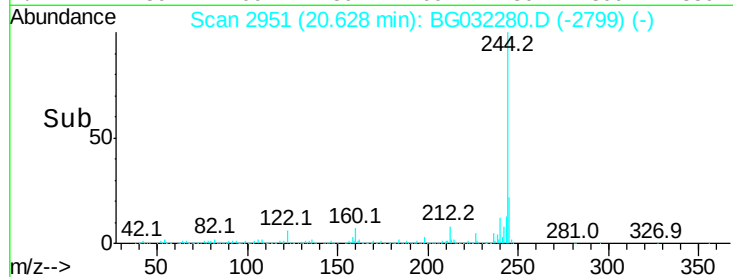
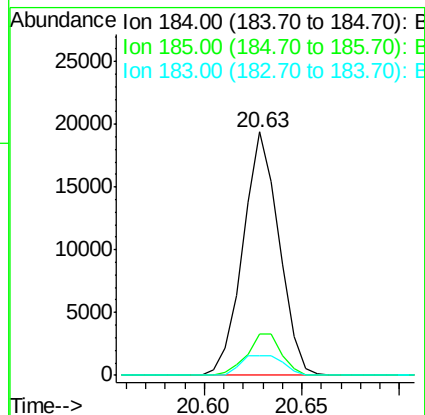
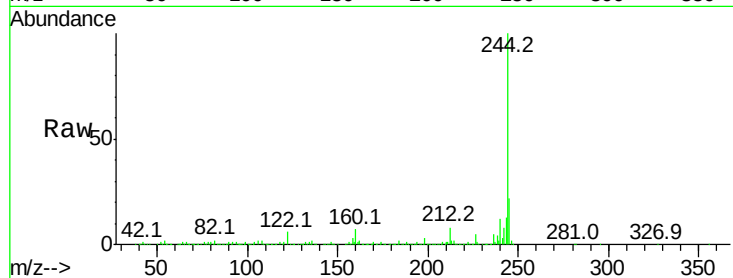
Tot Ion:184 Resp: 24697

Ion Ratio Lower Upper

184 100

185 17.1 11.1 16.7#

183 7.9 10.6 16.0#



#78

Terphenyl-d14

Concen: 89.177 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.00 min

Lab File: BG032280.D

Acq: 25 Jan 2018 3:54

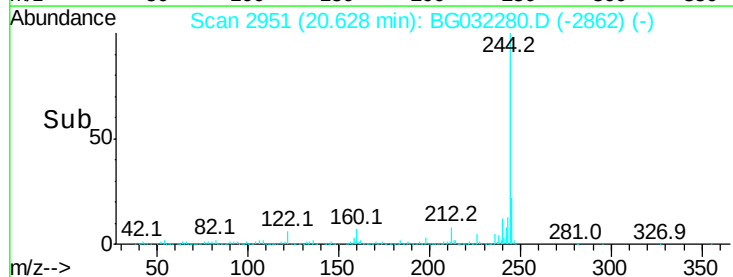
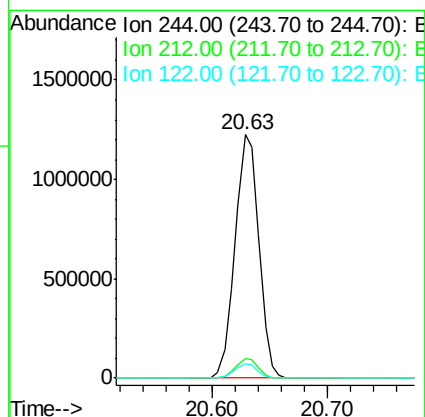
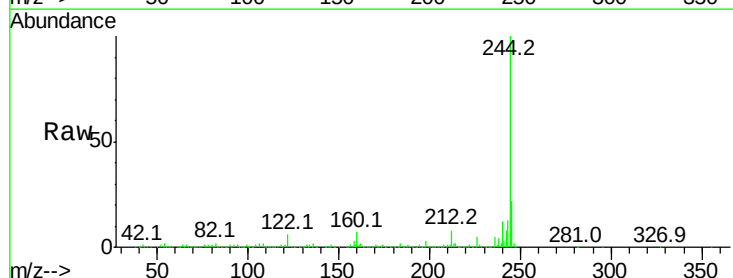
Tgt Ion:244 Resp: 1745836

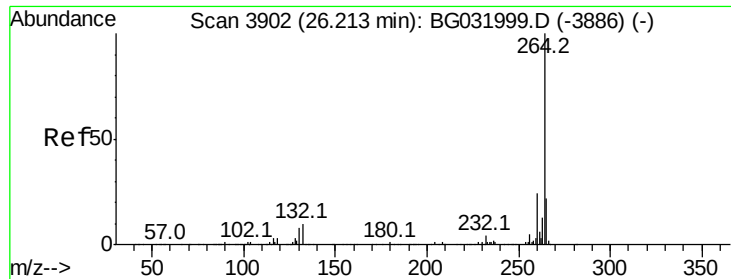
Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

122 5.8 7.0 10.4#

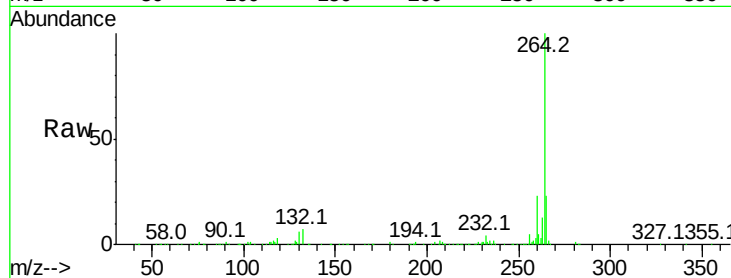




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.10 min Scan# 3883
 Delta R.T. -0.00 min
 Lab File: BG032280.D
 Acq: 25 Jan 2018 3:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	22.6	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

