

Data Path : U:\HPCHEM1\BNA G\DATA\BG012918\
 Data File : BG032426.D
 Acq On : 29 Jan 2018 22:27
 Operator : SJ/JU
 Sample : J1346-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 30 03:29:35 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	29261	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	116517	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	83959	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	231233	20.00	ng	0.00
75) Chrysene-d12	22.42	240	288557	20.00	ng	0.00
86) Perylene-d12	26.09	264	303485	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	215001	147.58	ng	0.00
7) Phenol-d6	7.84	99	235459	121.12	ng	0.01
23) Nitrobenzene-d5	9.92	82	187521	100.52	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	264409	165.45	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	666058	94.29	ng	0.00
78) Terphenyl-d14	20.63	244	1457607	108.20	ng	0.00

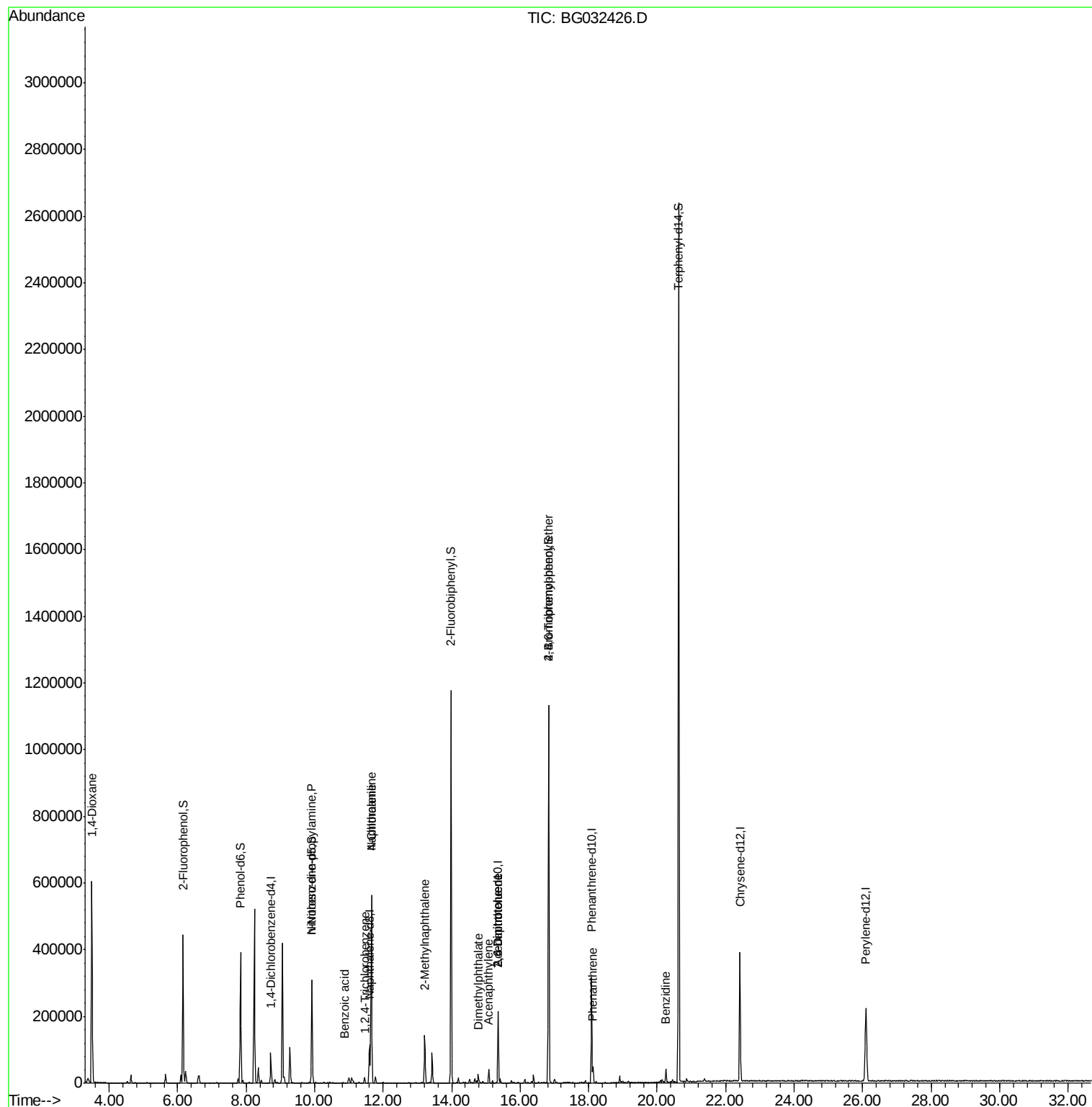
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	6979	14.238	ng	# 1
19) n-Nitroso-di-n-propylamine	9.92	70	27582	21.399	ng	# 74
30) 1,2,4-Trichlorobenzene	11.46	180	7609	2.754	ng	# 94
31) Naphthalene	11.66	128	514083	90.336	ng	# 99
32) Benzoic acid	10.89	122	57	7.325	ng	# 1
33) 4-Chloroaniline	11.66	127	72334	28.498	ng	# 32
37) 2-Methylnaphthalene	13.21	142	70536	14.754	ng	# 95
48) Acenaphthylene	15.08	152	32314	3.845	ng	# 95
49) Dimethylphthalate	14.78	163	19595	2.531	ng	# 100
50) 2,6-Dinitrotoluene	15.35	165	10832	6.667	ng	# 20
56) 2,4-Dinitrotoluene	15.35	165	10832	4.682	ng	# 18
66) 4-Bromophenyl-phenylether	16.83	248	21359	6.235	ng	# 1
70) Phenanthrene	18.13	178	35148	2.726	ng	# 97
76) Benzidine	20.25	184	28843	5.090	ng	# 99

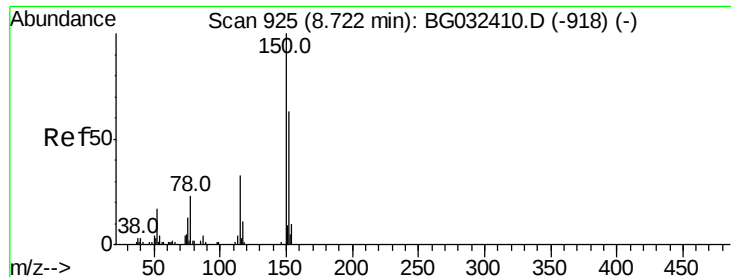
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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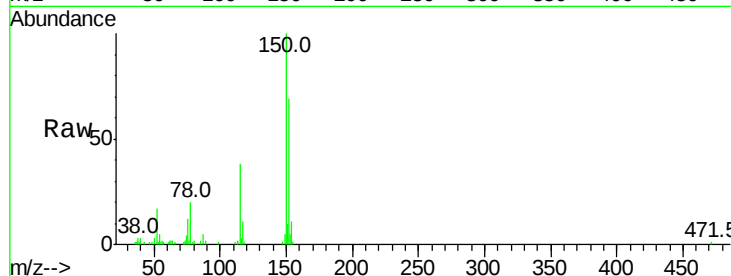


#1

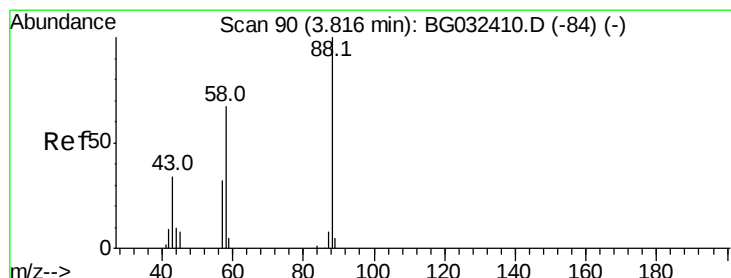
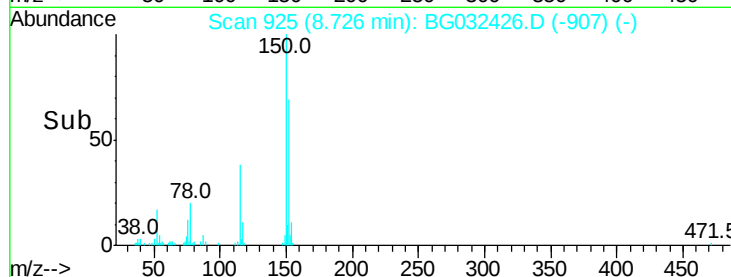
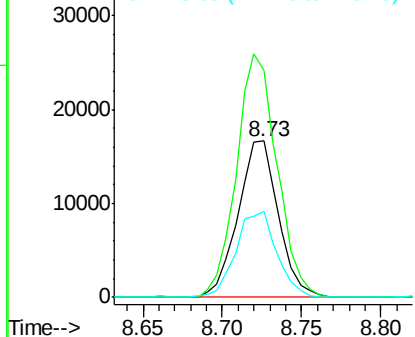
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.73 min Scan# 925
Delta R.T. 0.00 min
Lab File: BG032426.D
Acq: 29 Jan 2018 22:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 29261
Ion Ratio Lower Upper
152 100
150 145.2 126.6 189.8
115 55.1 53.0 79.4



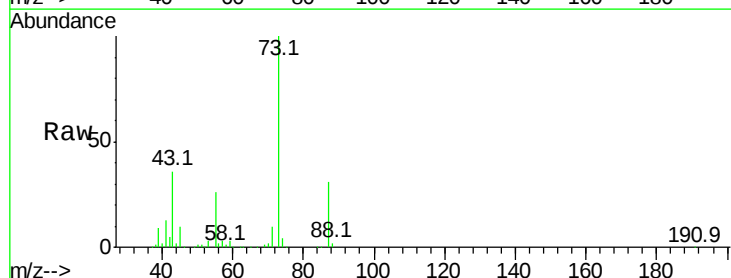
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



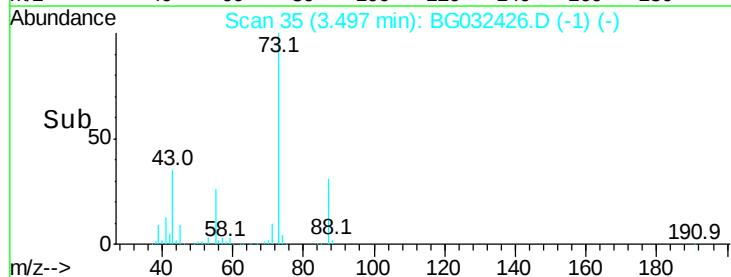
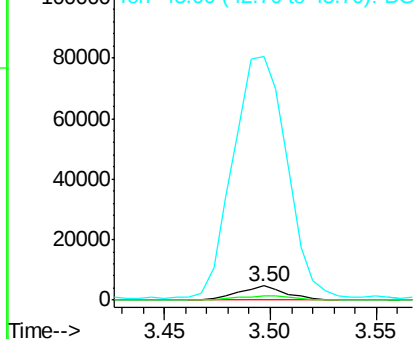
#2

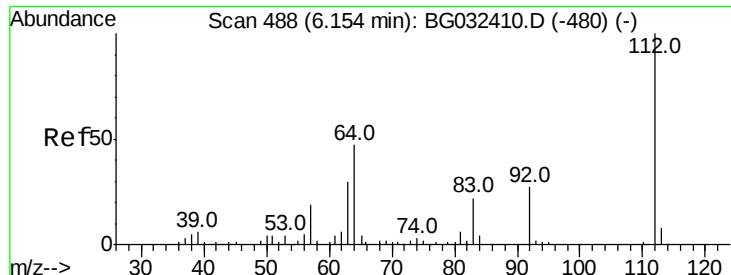
1,4-Dioxane
Concen: 14.238 ng
RT: 3.50 min Scan# 35
Delta R.T. -0.32 min
Lab File: BG032426.D
Acq: 29 Jan 2018 22:27

Tgt Ion: 88 Resp: 6979
Ion Ratio Lower Upper
88 100
58 34.8 79.6 119.4#
43 2033.1 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: 147.583 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032426.D

Acq: 29 Jan 2018 22:27

Instrument :

BNA_G

ClientSampleId :

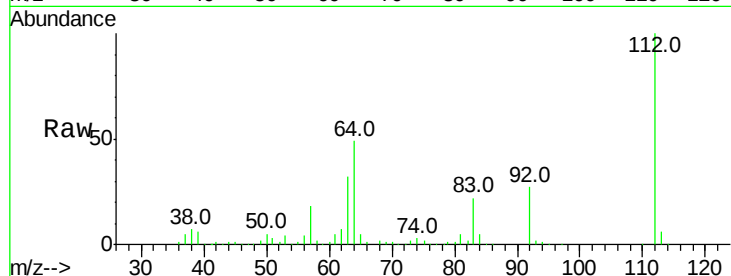
Tot Ion:112 Resp: 215001

Ion Ratio Lower Upper

112 100

64 48.8 56.3 84.5#

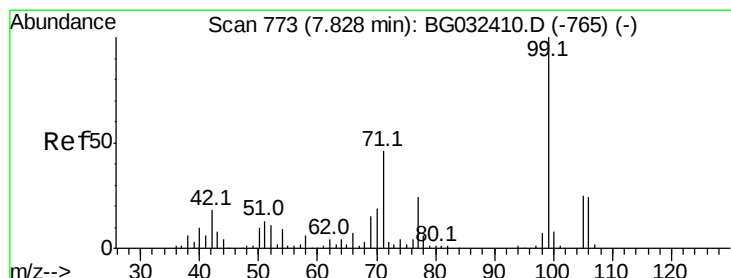
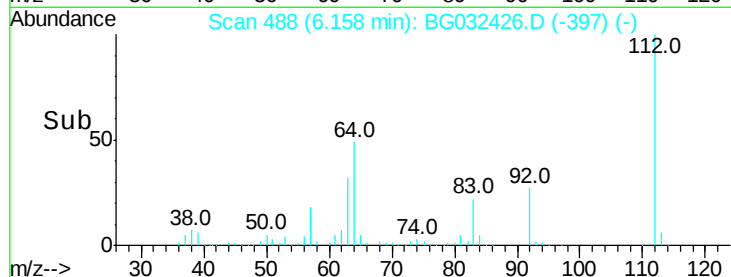
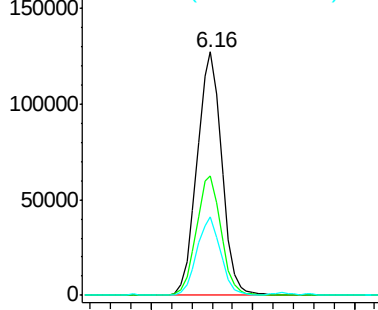
63 32.1 30.1 45.1



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: 121.121 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032426.D

Acq: 29 Jan 2018 22:27

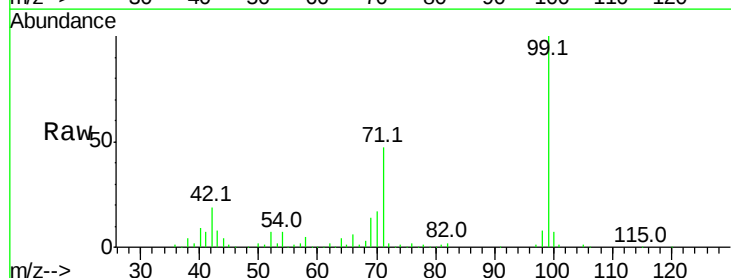
Tgt Ion: 99 Resp: 235459

Ion Ratio Lower Upper

99 100

42 19.2 14.1 21.1

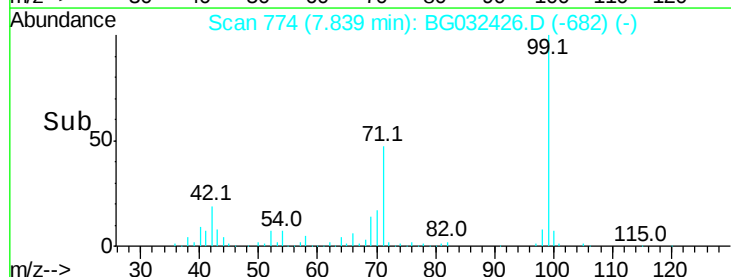
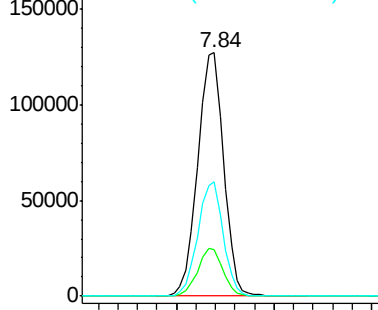
71 47.1 26.1 39.1#

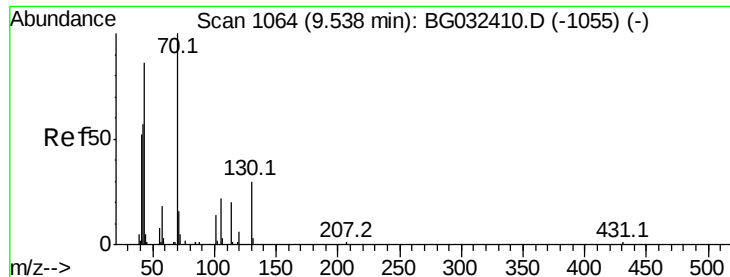


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

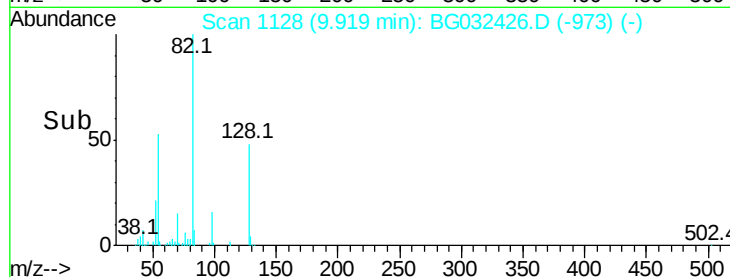
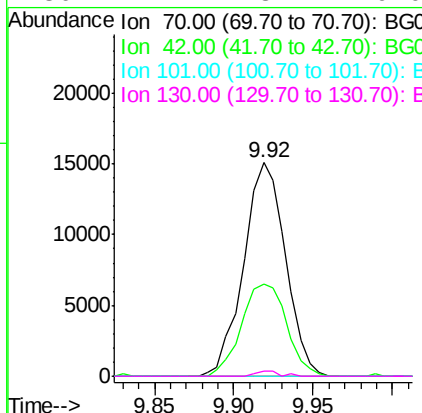
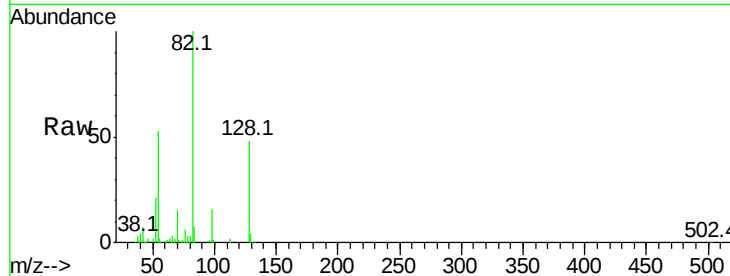




#19
n-Nitroso-di-n-propylamine
Concen: 21.399 ng
RT: 9.92 min Scan# 1128
Delta R.T. 0.38 min
Lab File: BG032426.D
Acq: 29 Jan 2018 22:27

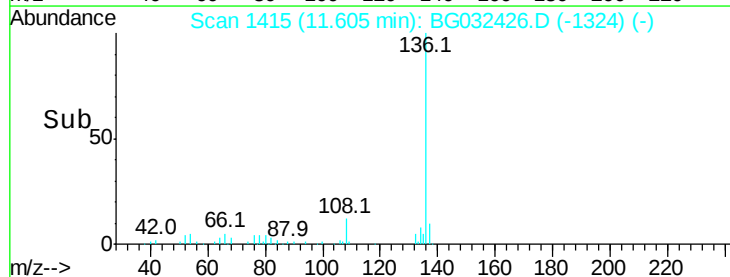
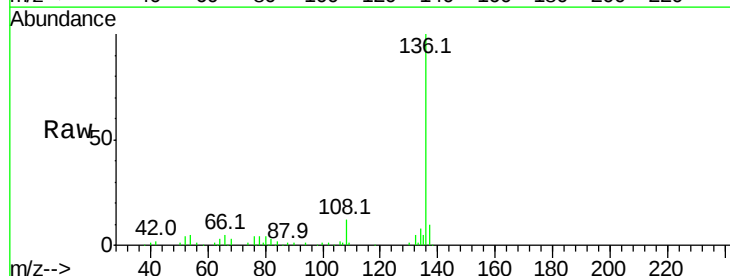
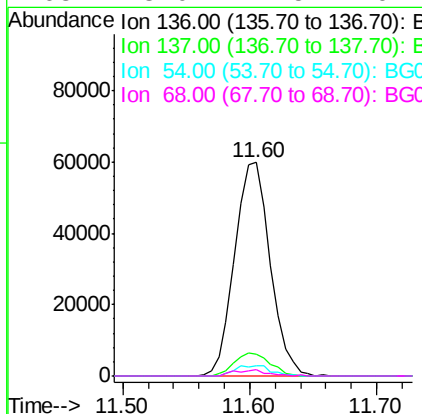
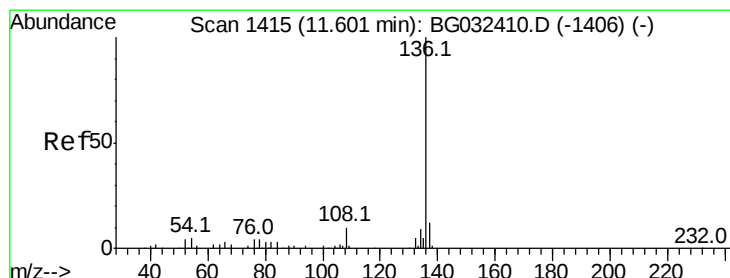
Instrument :
BNA_G
ClientSampleId :

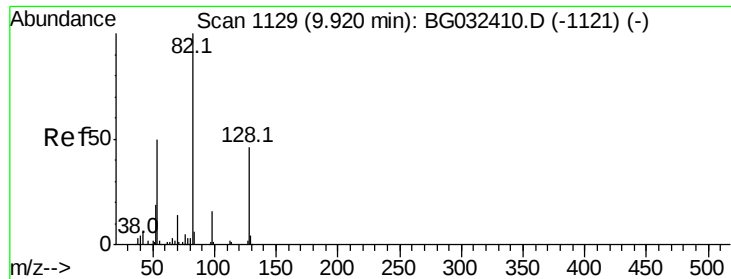
Tot Ion: 70 Resp: 27582
Ion Ratio Lower Upper
70 100
42 42.9 49.1 73.7#
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BG032426.D
Acq: 29 Jan 2018 22:27

Tgt Ion: 136 Resp: 116517
Ion Ratio Lower Upper
136 100
137 10.3 9.2 13.8
54 5.1 10.3 15.5#
68 3.0 4.5 6.7#

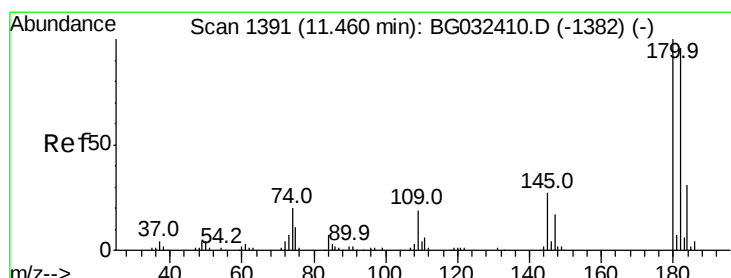
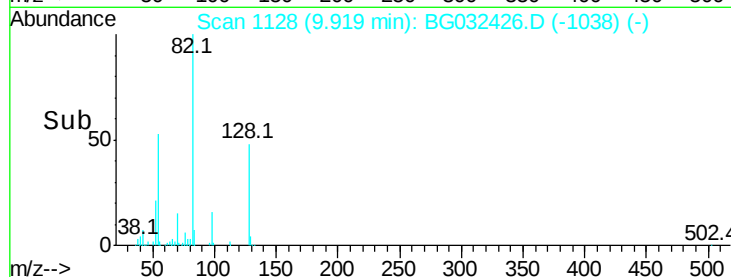
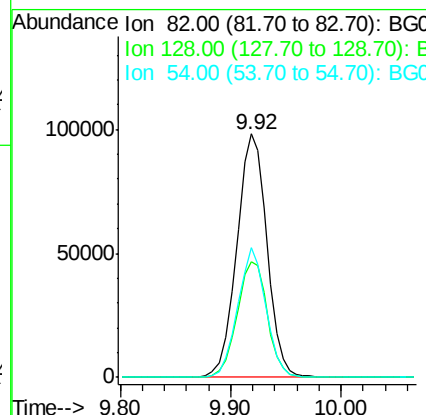
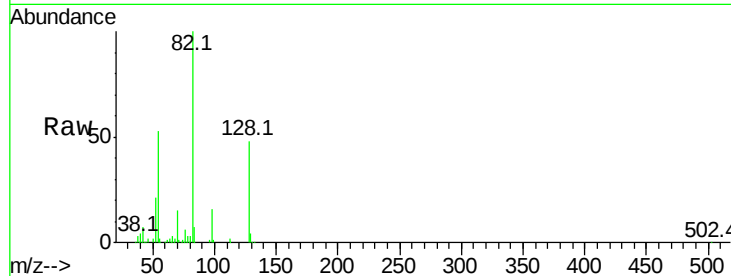




#23
 Nitrobenzene-d5
 Concen: 100.523 ng
 RT: 9.92 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: BG032426.D
 Acq: 29 Jan 2018 22:27

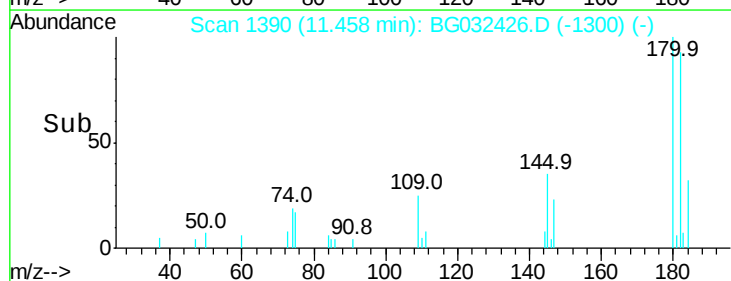
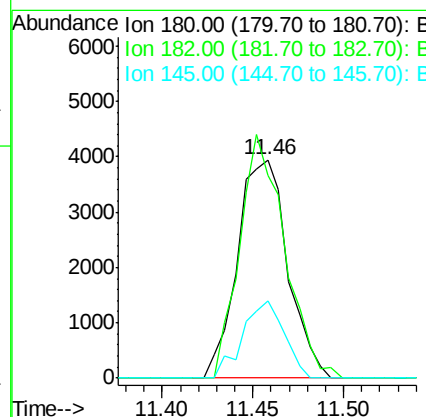
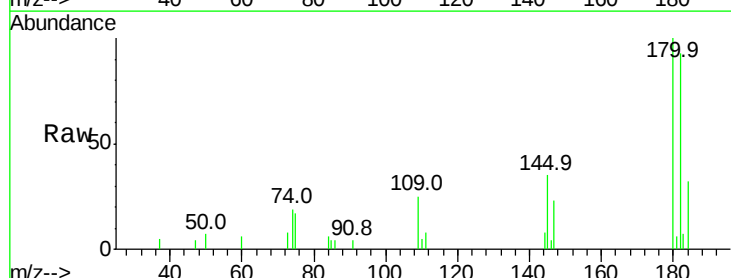
Instrument :
 BNA_G
 ClientSampled :

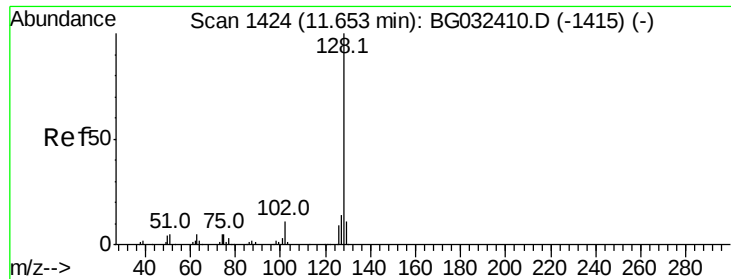
Tot Ion: 82 Resp: 187521
 Ion Ratio Lower Upper
 82 100
 128 47.7 29.7 44.5#
 54 53.2 43.1 64.7



#30
 1,2,4-Trichlorobenzene
 Concen: 2.754 ng
 RT: 11.46 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: BG032426.D
 Acq: 29 Jan 2018 22:27

Tgt Ion:180 Resp: 7609
 Ion Ratio Lower Upper
 180 100
 182 92.9 77.5 116.3
 145 35.2 23.4 35.2#

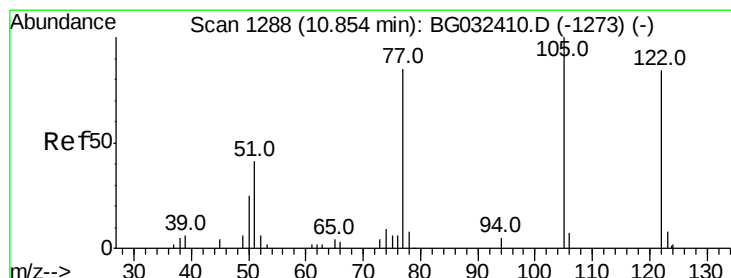
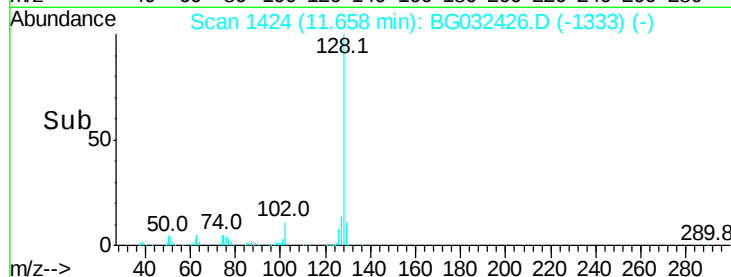
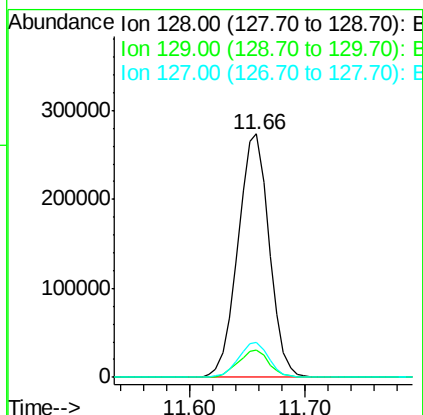
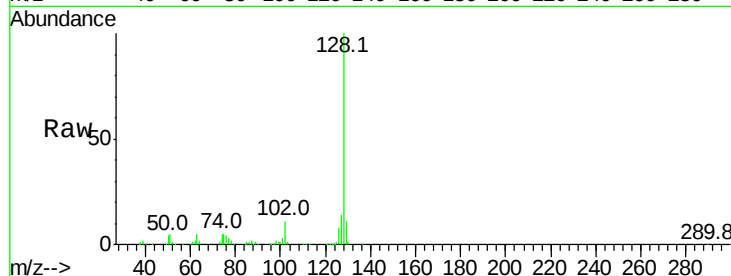




#31
Naphthalene
Concen: 90.336 ng
RT: 11.66 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BG032426.D
Acq: 29 Jan 2018 22:27

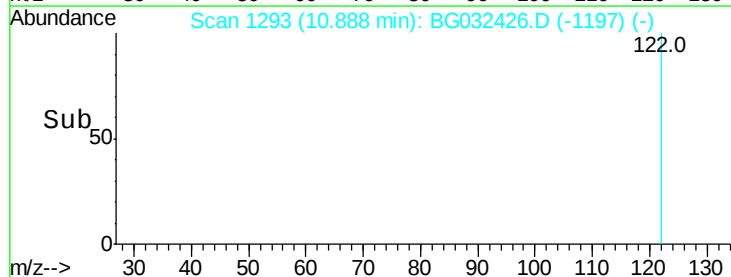
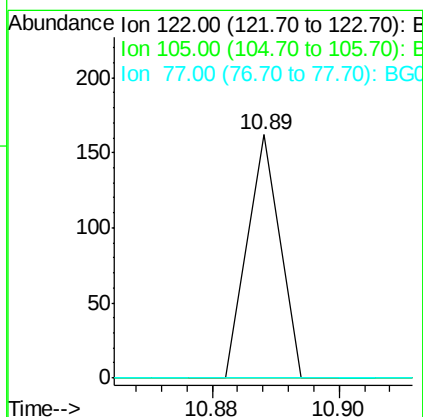
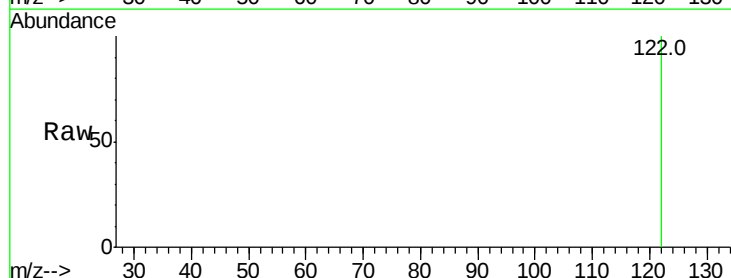
Instrument :
BNA_G
ClientSampleId :

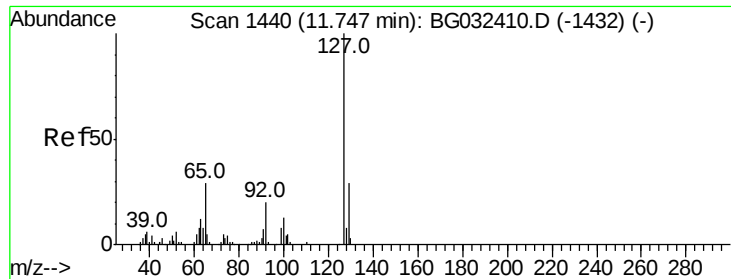
Tot Ion:128 Resp: 514083
Ion Ratio Lower Upper
128 100
129 11.5 8.6 12.8
127 14.2 11.6 17.4



#32
Benzoic acid
Concen: 7.325 ng
RT: 10.89 min Scan# 1293
Delta R.T. 0.03 min
Lab File: BG032426.D
Acq: 29 Jan 2018 22:27

Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

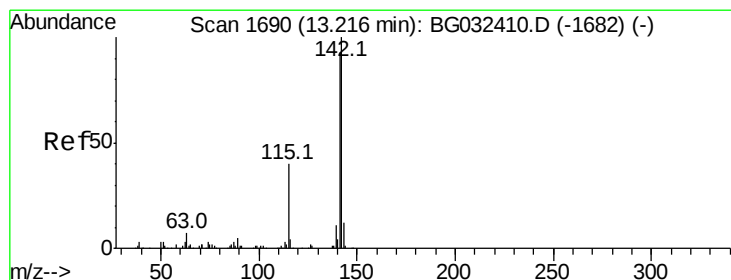
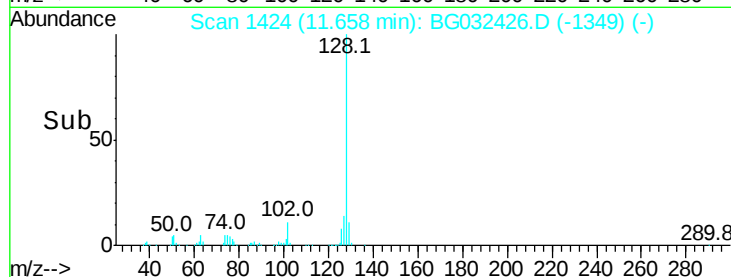
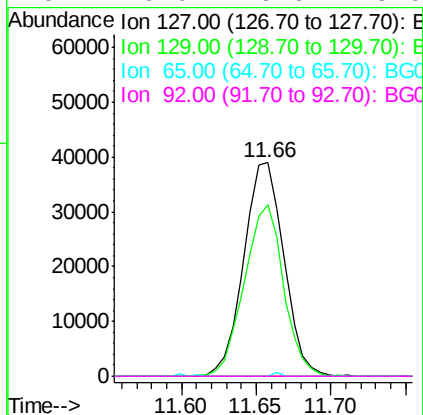
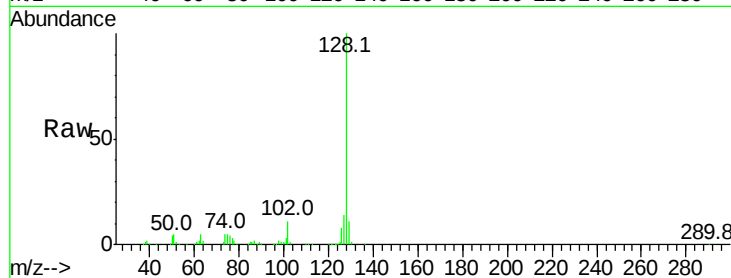




#33
4-Chloroaniline
Concen: 28.498 ng
RT: 11.66 min Scan# 1424
Delta R.T. -0.09 min
Lab File: BG032426.D
Acq: 29 Jan 2018 22:27

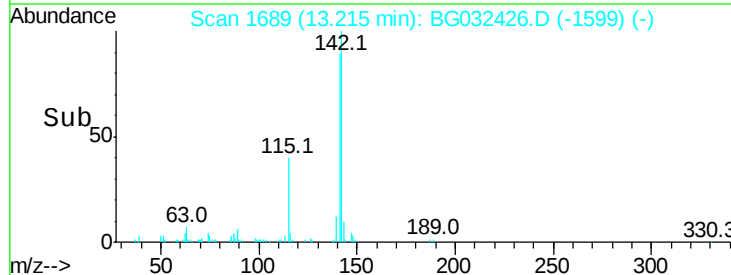
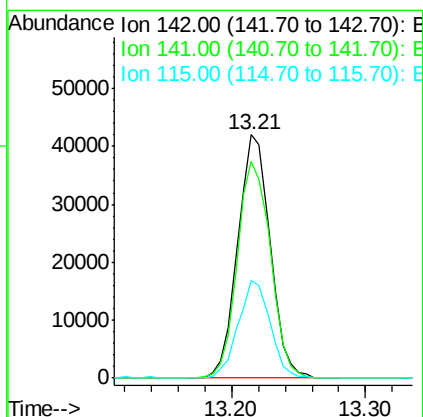
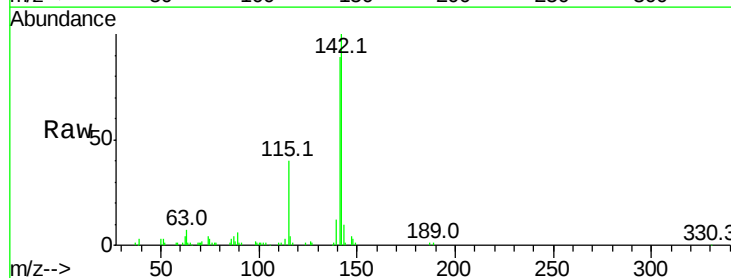
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BNA_G
ClientSampleId :

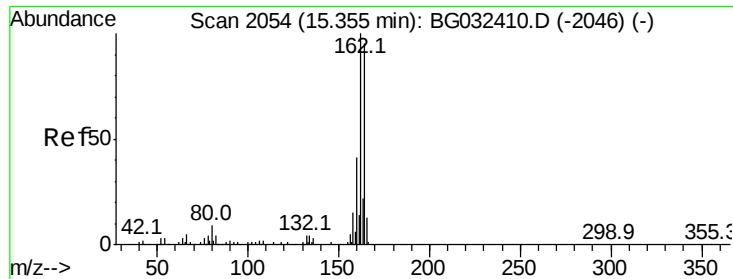
Tot Ion:127 Resp: 72334
Ion Ratio Lower Upper
127 100
129 80.5 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#



#37
2-Methylnaphthalene
Concen: 14.754 ng
RT: 13.21 min Scan# 1689
Delta R.T. -0.00 min
Lab File: BG032426.D
Acq: 29 Jan 2018 22:27

Tgt Ion:142 Resp: 70536
Ion Ratio Lower Upper
142 100
141 88.8 67.1 100.7
115 40.1 30.7 46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BG032426.D

Acq: 29 Jan 2018 22:27

Instrument :

BNA_G

ClientSampleId :

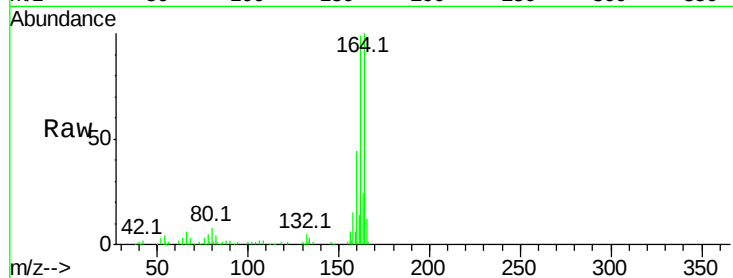
Tot Ion:164 Resp: 83959

Ion	Ratio	Lower	Upper
164	100		
162	98.8	78.8	118.2
160	44.1	35.4	53.0

164 100

162 98.8 78.8 118.2

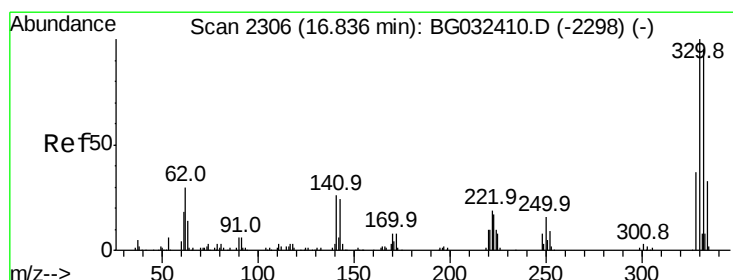
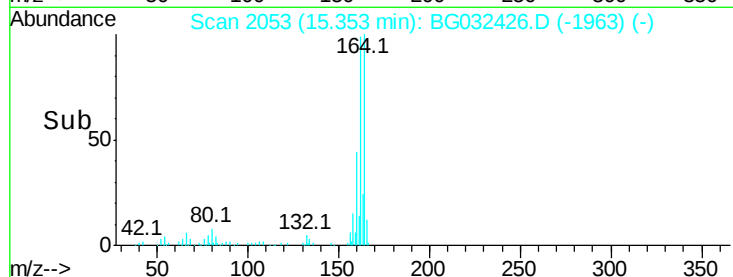
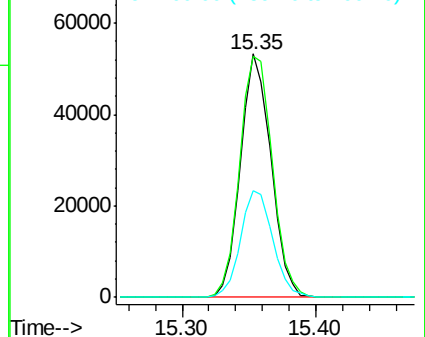
160 44.1 35.4 53.0



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: 165.446 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BG032426.D

Acq: 29 Jan 2018 22:27

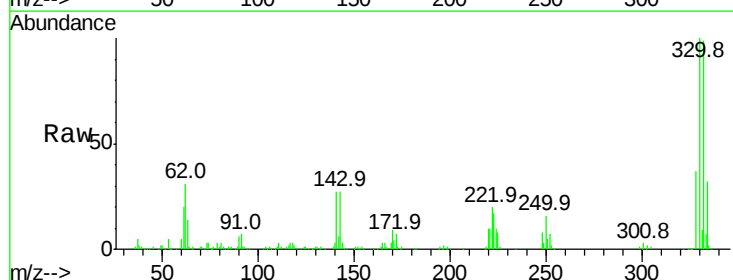
Tgt Ion:330 Resp: 264409

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	27.9	25.2	37.8

330 100

332 96.7 77.0 115.6

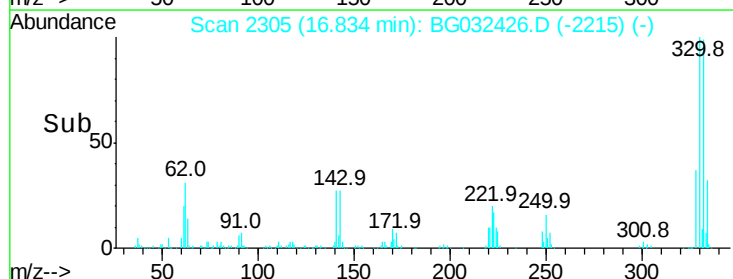
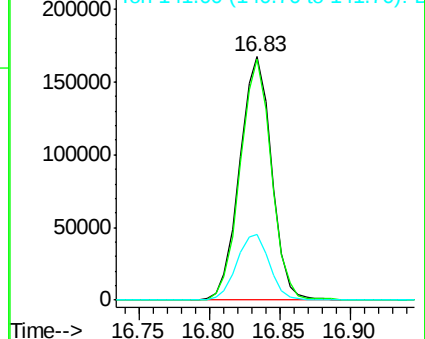
141 27.9 25.2 37.8

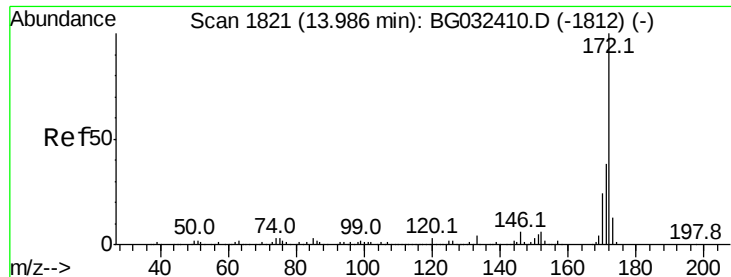


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

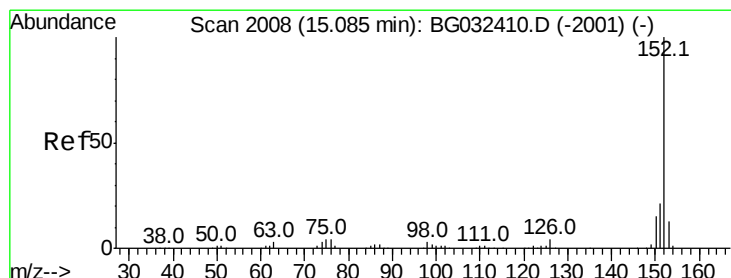
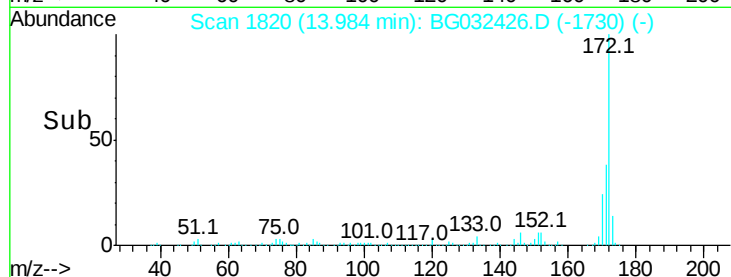
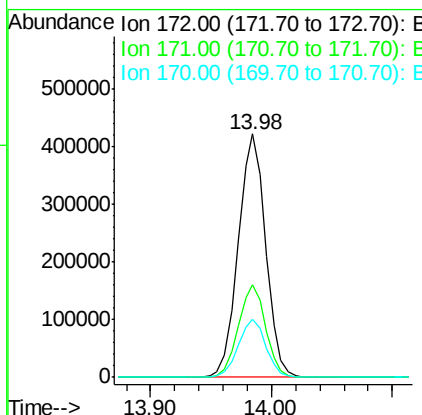
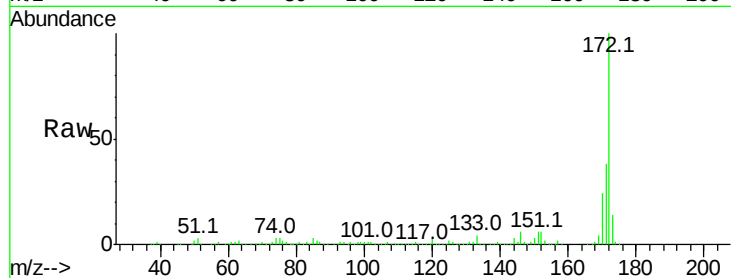




#44
2-Fluorobiphenyl
Concen: 94.291 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BG032426.D
Acq: 29 Jan 2018 22:27

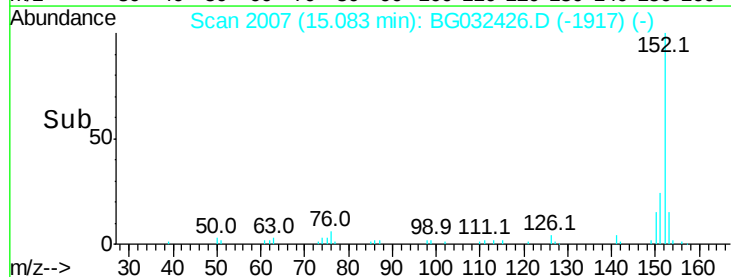
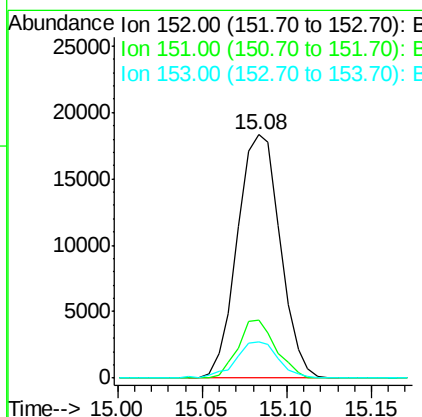
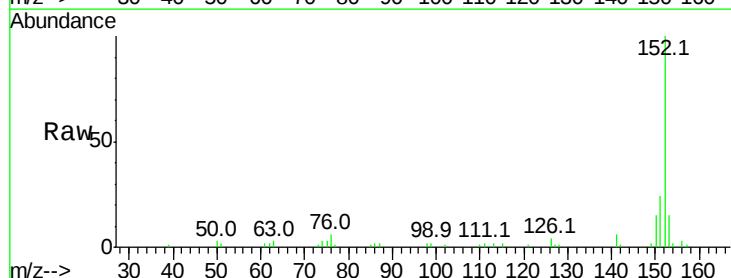
Instrument :
BNA_G
ClientSampleId :

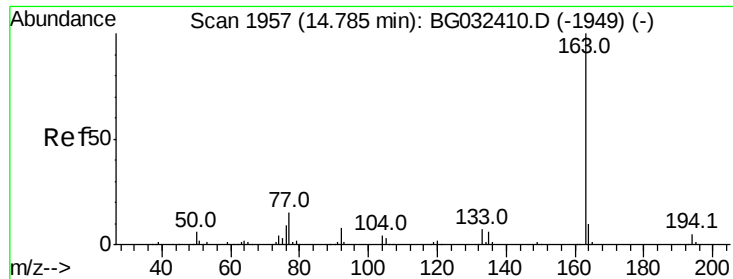
Tot Ion:172 Resp: 666058
Ion Ratio Lower Upper
172 100
171 37.9 30.0 45.0
170 24.0 19.5 29.3



#48
Acenaphthylene
Concen: 3.845 ng
RT: 15.08 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BG032426.D
Acq: 29 Jan 2018 22:27

Tgt Ion:152 Resp: 32314
Ion Ratio Lower Upper
152 100
151 23.7 17.2 25.8
153 14.7 10.2 15.4





#49

Dimethylphthalate

Concen: 2.531 ng

RT: 14.78 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG032426.D

Acq: 29 Jan 2018 22:27

Instrument :

BNA_G

ClientSampleId :

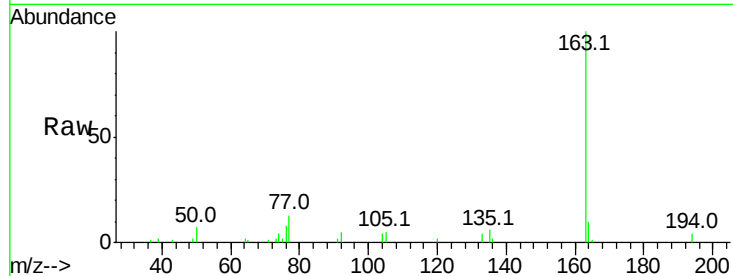
Tot Ion:163 Resp: 19595

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

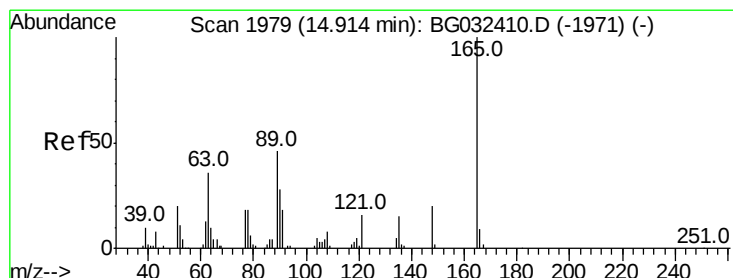
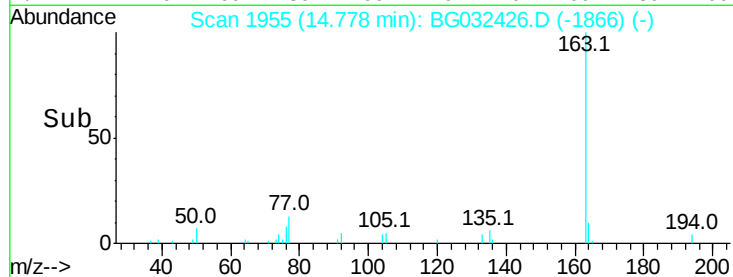
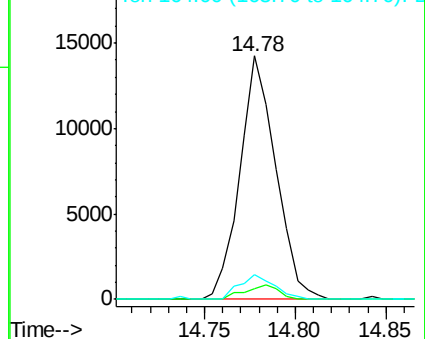
164 10.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 6.667 ng

RT: 15.35 min Scan# 2053

Delta R.T. 0.44 min

Lab File: BG032426.D

Acq: 29 Jan 2018 22:27

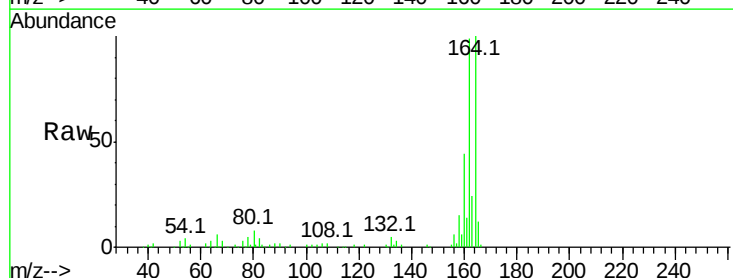
Tgt Ion:165 Resp: 10832

Ion Ratio Lower Upper

165 100

63 2.4 52.7 79.1#

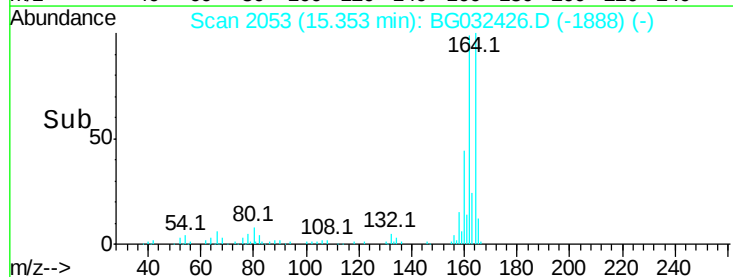
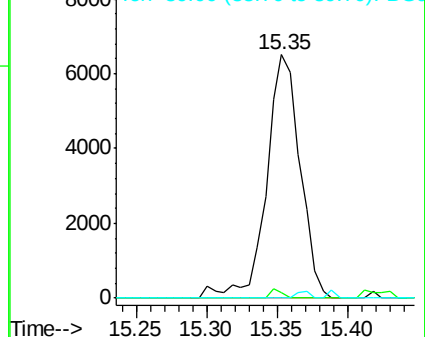
89 0.0 49.2 73.8#

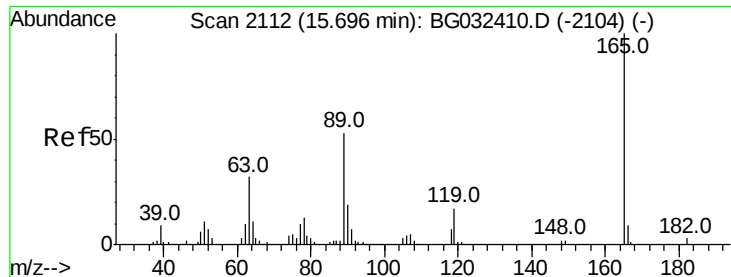


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

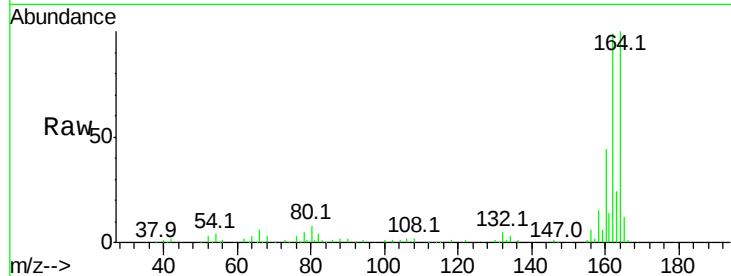




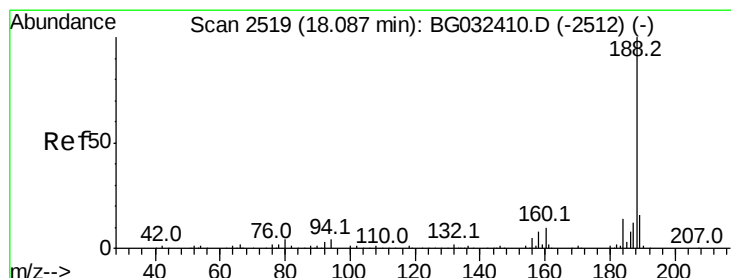
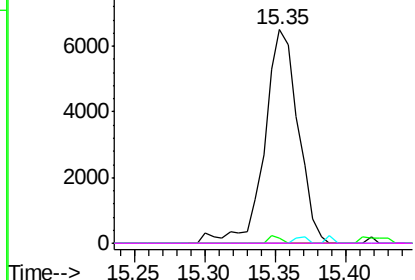
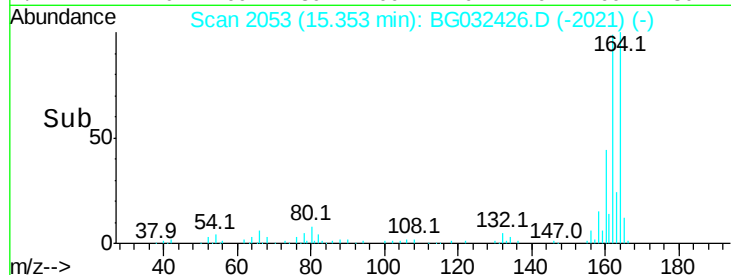
#56
 2,4-Dinitrotoluene
 Concen: 4.682 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.34 min
 Lab File: BG032426.D
 Acq: 29 Jan 2018 22:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 10832
 Ion Ratio Lower Upper
 165 100
 63 2.4 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

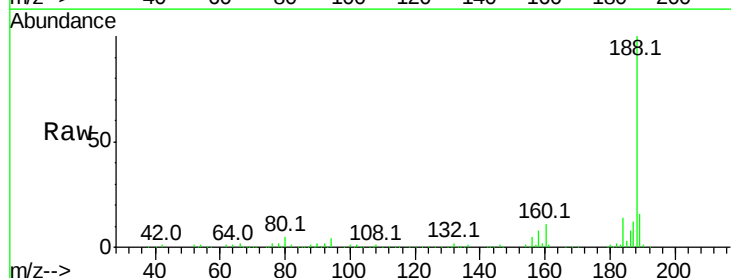


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

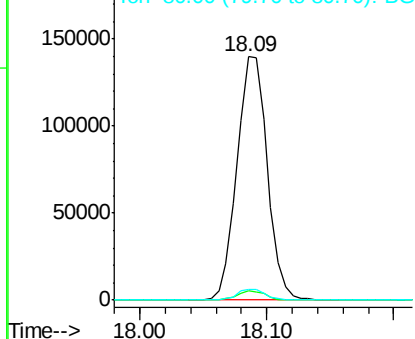
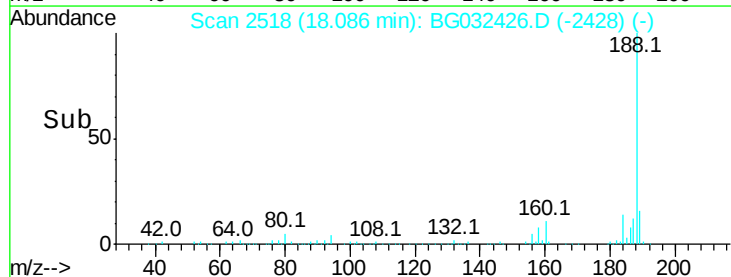


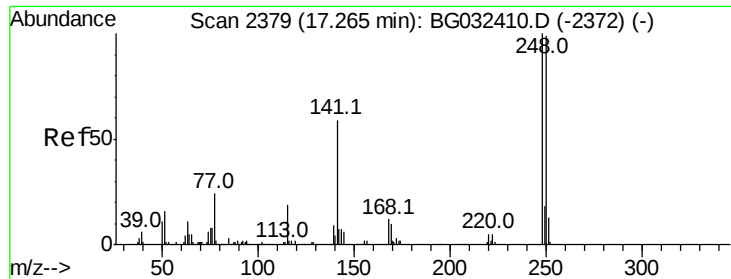
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2518
 Delta R.T. -0.00 min
 Lab File: BG032426.D
 Acq: 29 Jan 2018 22:27

Tgt Ion:188 Resp: 231233
 Ion Ratio Lower Upper
 188 100
 94 3.9 6.9 10.3#
 80 4.5 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

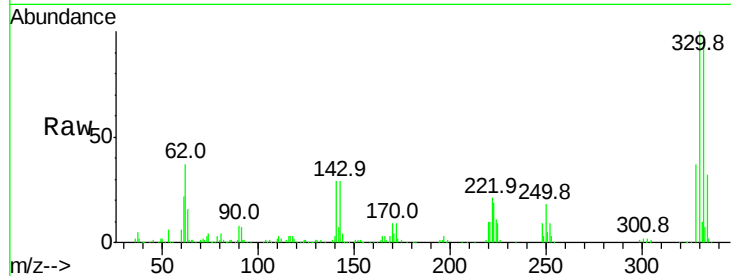




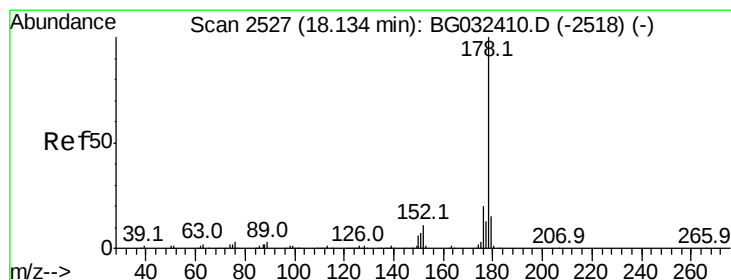
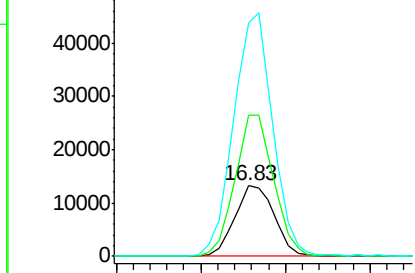
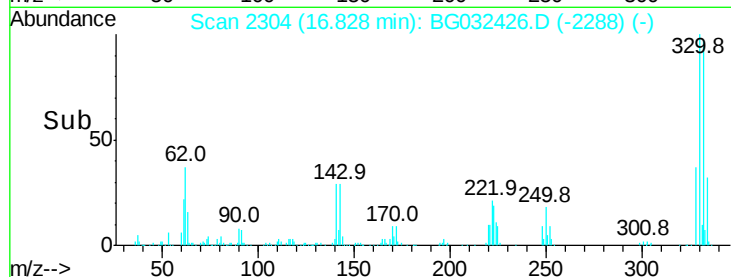
#66
 4-Bromophenyl-phenylether
 Concen: 6.235 ng
 RT: 16.83 min Scan# 2304
 Delta R.T. -0.44 min
 Lab File: BG032426.D
 Acq: 29 Jan 2018 22:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 21359
 Ion Ratio Lower Upper
 248 100
 250 199.8 77.1 115.7#
 141 331.8 50.8 76.2#

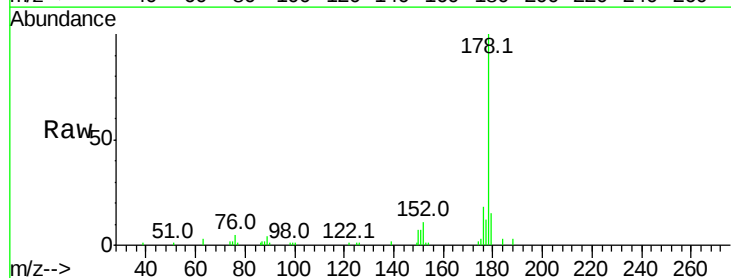


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

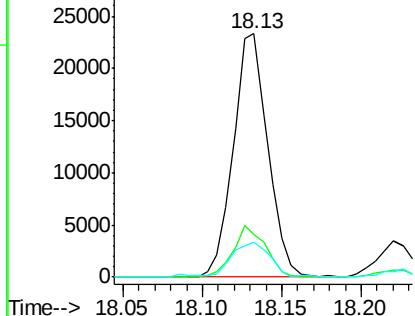
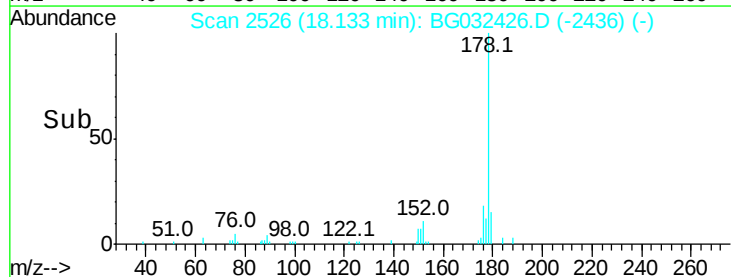


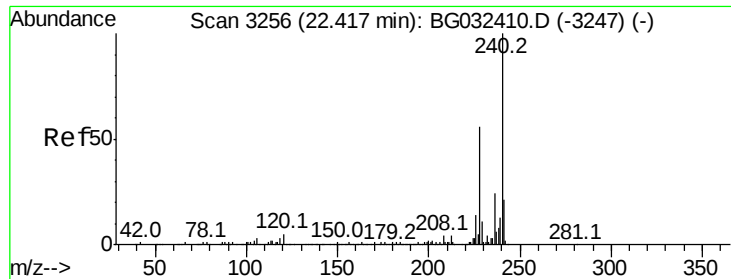
#70
 Phenanthrene
 Concen: 2.726 ng
 RT: 18.13 min Scan# 2526
 Delta R.T. -0.00 min
 Lab File: BG032426.D
 Acq: 29 Jan 2018 22:27

Tgt Ion:178 Resp: 35148
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.7 23.5
 179 14.6 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.42 min Scan# 3255

Delta R.T. -0.00 min

Lab File: BG032426.D

Acq: 29 Jan 2018 22:27

Instrument :

BNA_G

ClientSampleId :

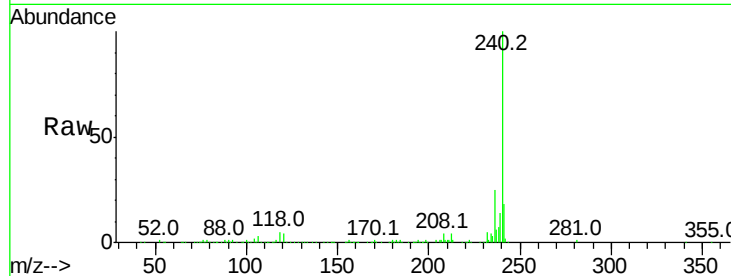
Tot Ion:240 Resp: 288557

Ion Ratio Lower Upper

240 100

120 3.9 6.8 10.2#

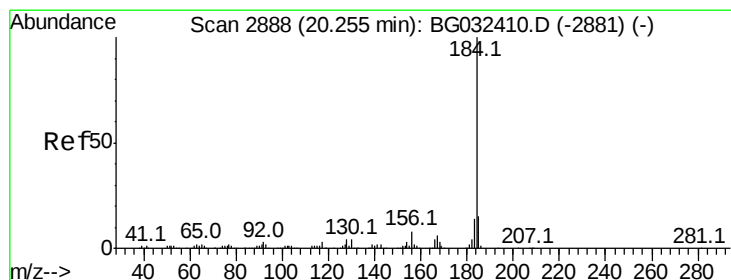
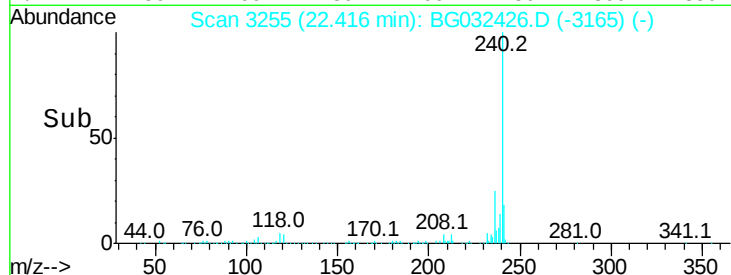
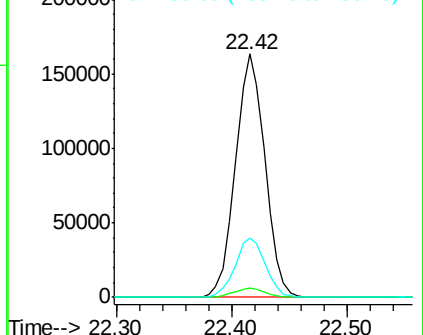
236 24.5 20.9 31.3



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: 5.090 ng

RT: 20.25 min Scan# 2887

Delta R.T. -0.00 min

Lab File: BG032426.D

Acq: 29 Jan 2018 22:27

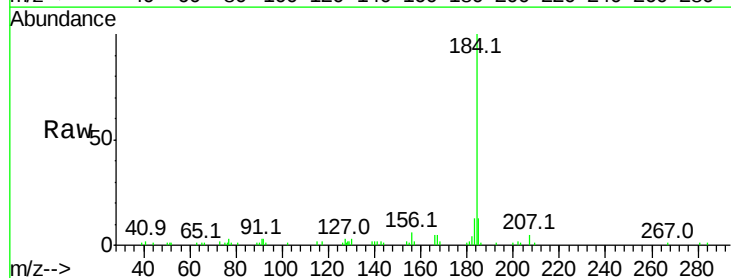
Tgt Ion:184 Resp: 28843

Ion Ratio Lower Upper

184 100

185 13.1 11.1 16.7

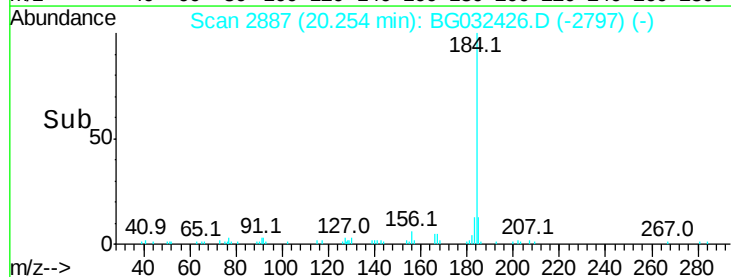
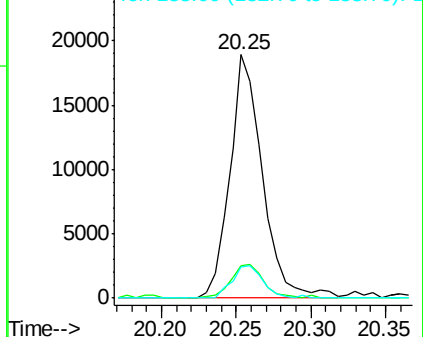
183 12.9 10.6 16.0

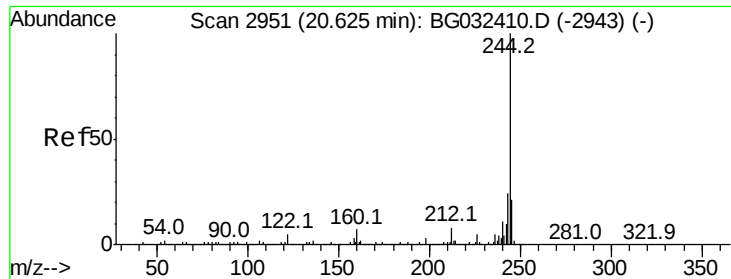


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 108.204 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.00 min

Lab File: BG032426.D

Acq: 29 Jan 2018 22:27

Instrument :

BNA_G

ClientSampleId :

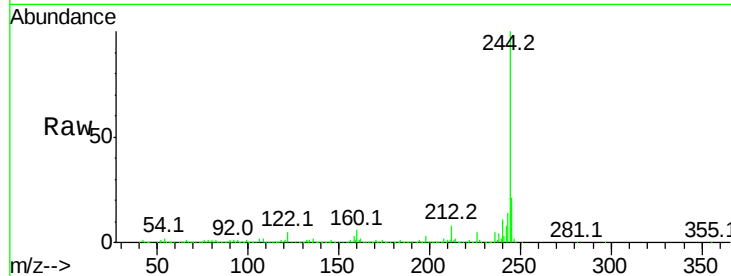
Tot Ion:244 Resp: 1457607

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

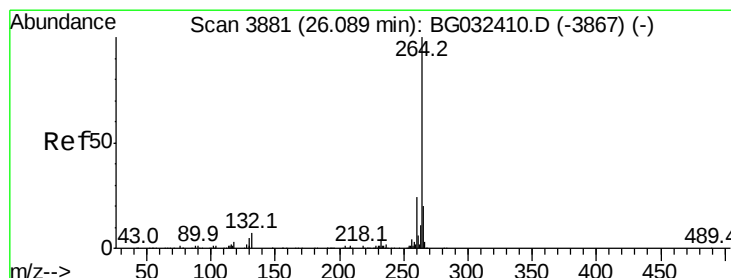
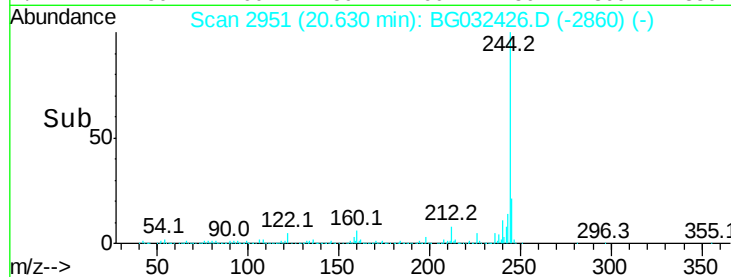
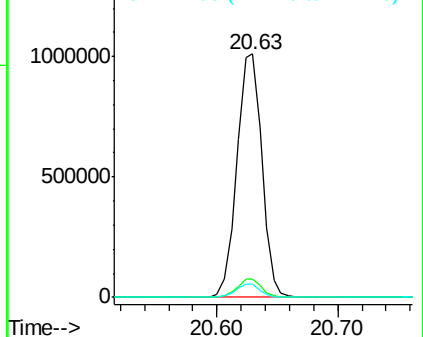
122 5.3 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.09 min Scan# 3881

Delta R.T. 0.00 min

Lab File: BG032426.D

Acq: 29 Jan 2018 22:27

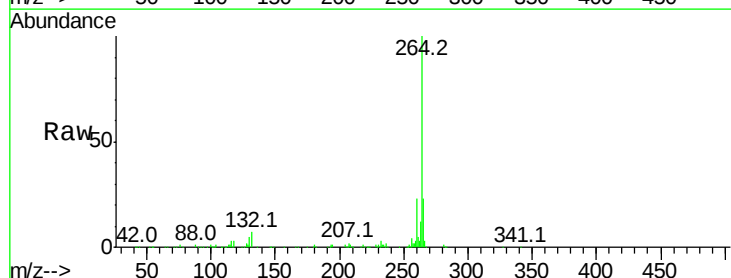
Tgt Ion:264 Resp: 303485

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 23.3 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

