

Data Path : U:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032304.D
 Acq On : 25 Jan 2018 21:47
 Operator : SJ/JU
 Sample : J1306-16
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 01:24:54 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	31945	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	128472	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	99006	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	301233	20.00	ng	0.00
75) Chrysene-d12	22.41	240	375472	20.00	ng	-0.01
86) Perylene-d12	26.10	264	405508	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	253428	145.09	ng	0.00
7) Phenol-d6	7.84	99	287145	130.53	ng	0.00
23) Nitrobenzene-d5	9.92	82	223697	117.80	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	313026	191.07	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	798995	100.07	ng	0.00
78) Terphenyl-d14	20.63	244	1811300	106.52	ng	0.00

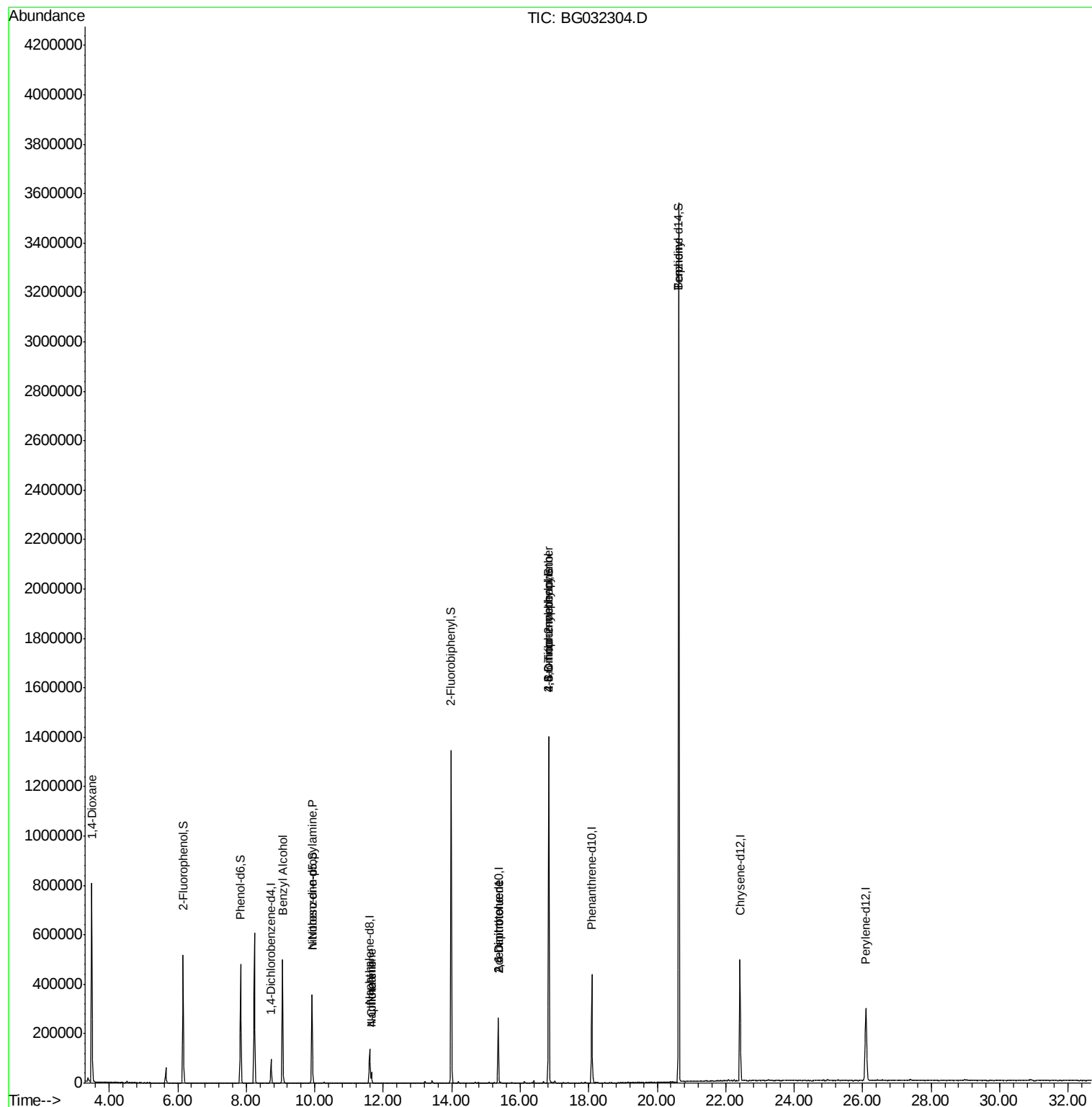
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	9140	13.621	ng	# 1
15) Benzyl Alcohol	9.05	79	3861	2.416	ng	# 57
19) n-Nitroso-di-n-propylamine	9.92	70	32211	23.600	ng	# 74
31) Naphthalene	11.65	128	42593	6.693	ng	# 99
33) 4-Chloroaniline	11.65	127	5684	2.083	ng	# 34
50) 2,6-Dinitrotoluene	15.36	165	12594	7.003	ng	# 20
56) 2,4-Dinitrotoluene	15.36	165	12594	5.202	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.84	198	1041	5.369	ng	# 75
66) 4-Bromophenyl-phenylether	16.83	248	25759	6.010	ng	# 1
76) Benzidine	20.63	184	27512	2.930	ng	# 93

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

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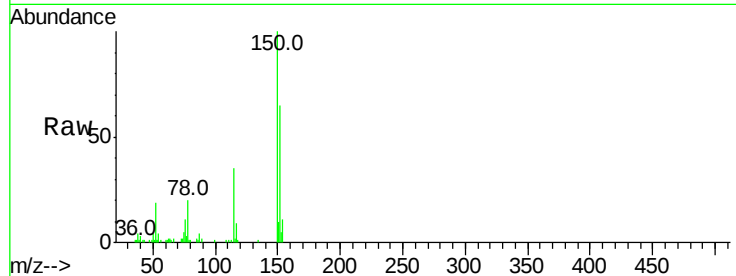


#1

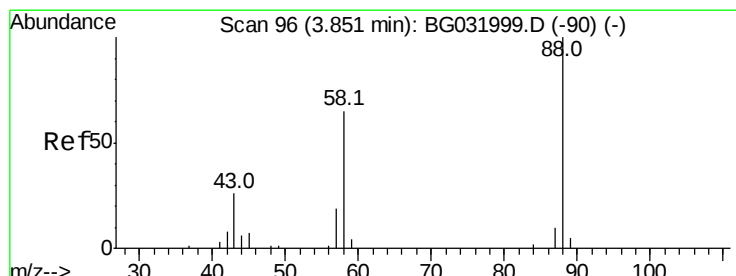
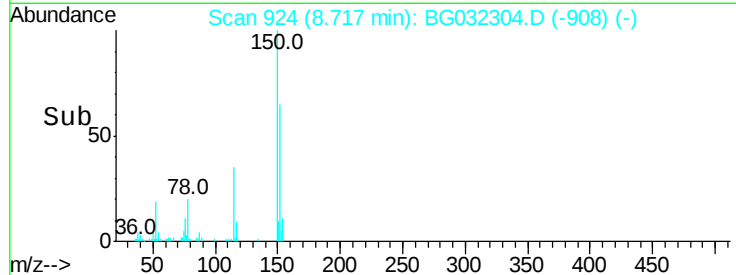
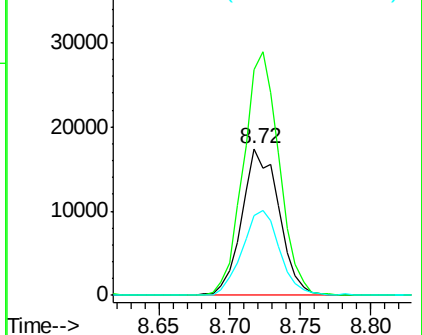
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 924
Delta R.T. -0.01 min
Lab File: BG032304.D
Acq: 25 Jan 2018 21:47

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 31945
Ion Ratio Lower Upper
152 100
150 154.4 126.6 189.8
115 54.2 53.0 79.4



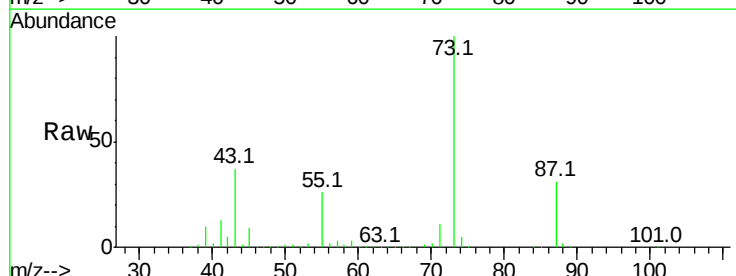
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



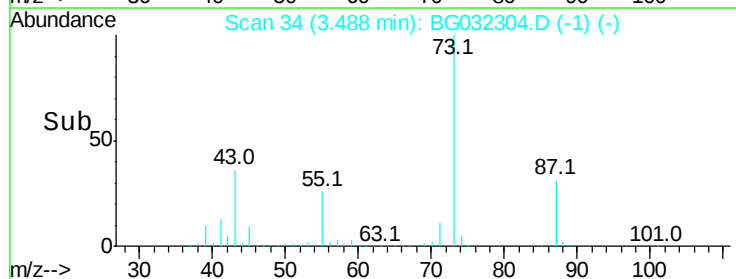
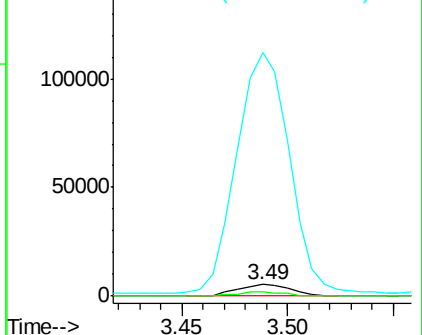
#2

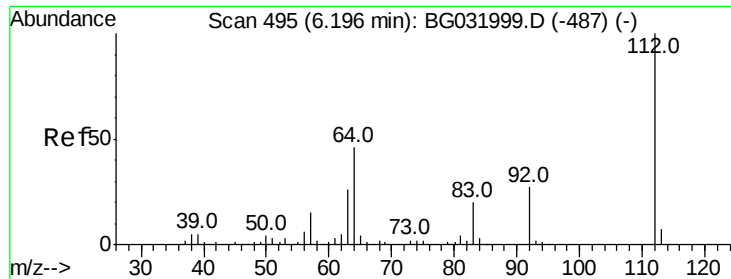
1,4-Dioxane
Concen: 13.621 ng
RT: 3.49 min Scan# 34
Delta R.T. -0.33 min
Lab File: BG032304.D
Acq: 25 Jan 2018 21:47

Tgt Ion: 88 Resp: 9140
Ion Ratio Lower Upper
88 100
58 36.8 79.6 119.4#
43 2093.4 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





#5

2-Fluorophenol

Concen: 145.094 ng

RT: 6.16 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG032304.D

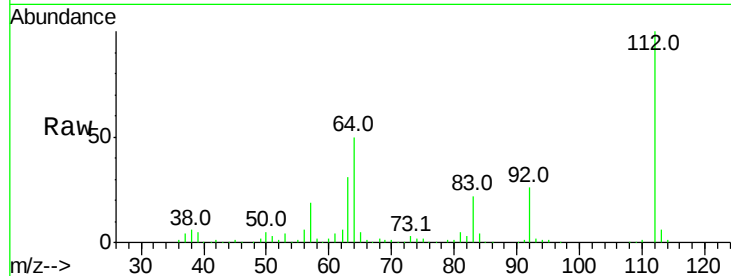
Acq: 25 Jan 2018 21:47

Instrument :

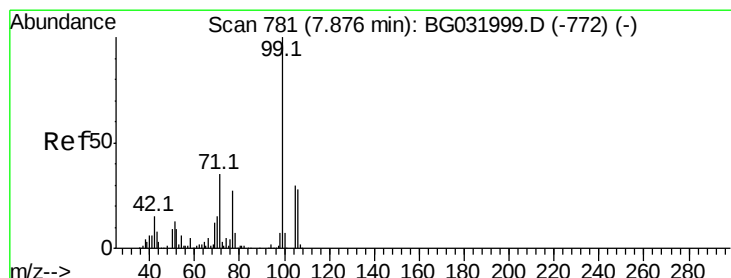
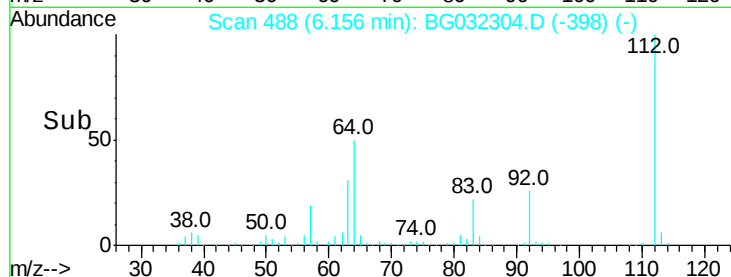
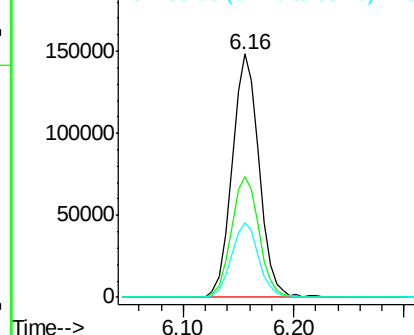
BNA_G

ClientSampled :

Tot Ion:	112	Resp:	253428
Ion	Ratio	Lower	Upper
112	100		
64	49.6	56.3	84.5#
63	30.9	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: 130.533 ng

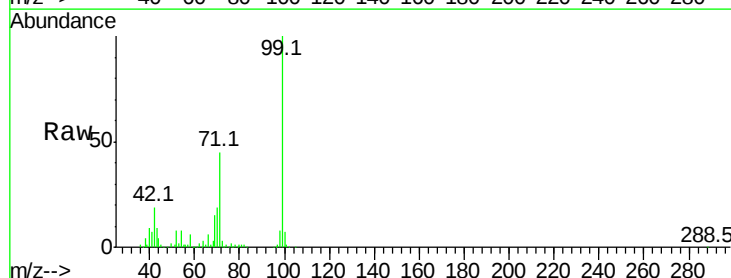
RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

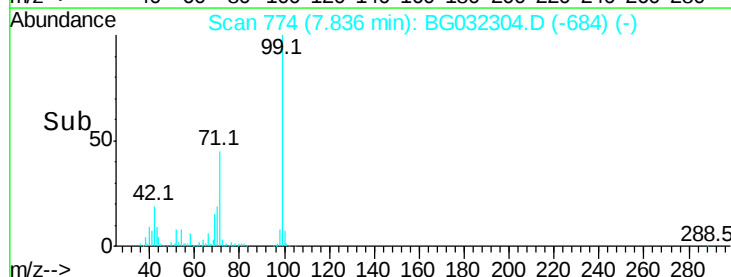
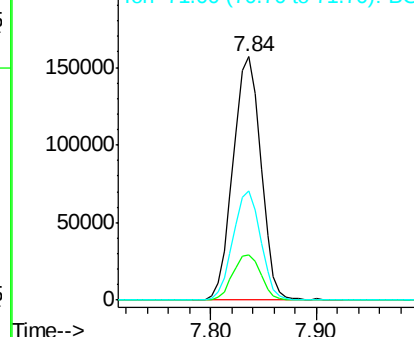
Lab File: BG032304.D

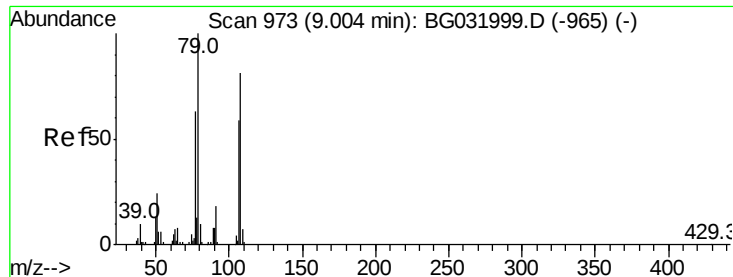
Acq: 25 Jan 2018 21:47

Tgt Ion:	99	Resp:	287145
Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.1	21.1
71	44.7	26.1	39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.416 ng

RT: 9.05 min Scan# 981

Delta R.T. 0.09 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

Instrument :

BNA_G

ClientSampleId :

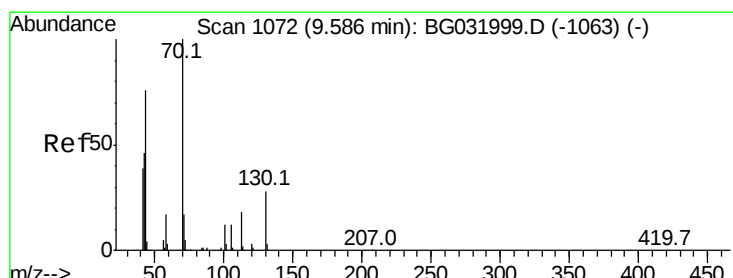
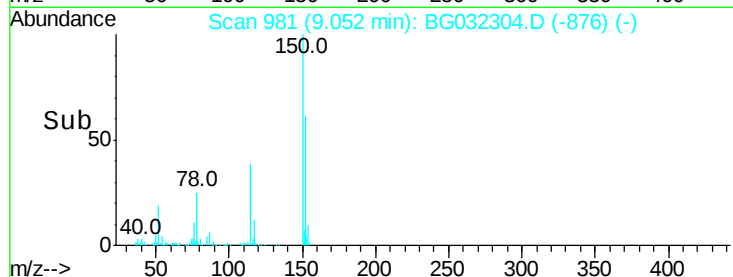
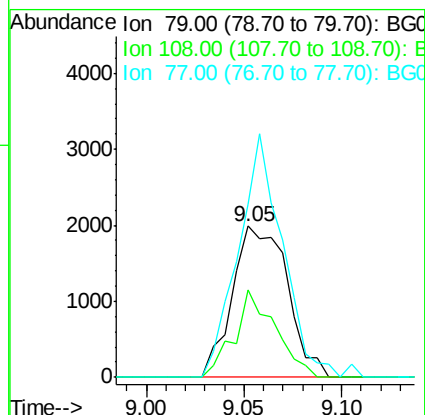
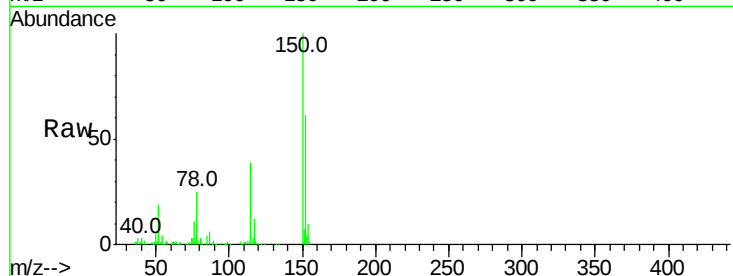
Tot Ion: 79 Resp: 3861

Ion Ratio Lower Upper

79 100

108 58.2 57.2 85.8

77 115.0 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 23.600 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

Tgt Ion: 70 Resp: 32211

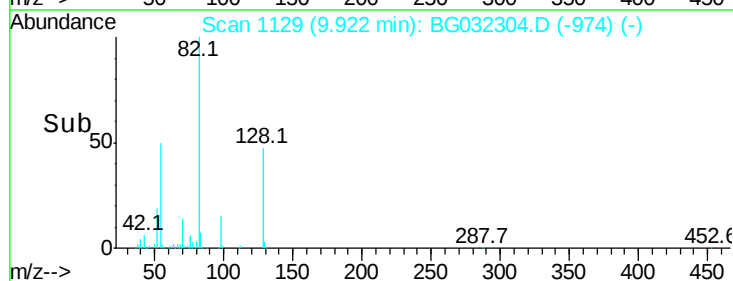
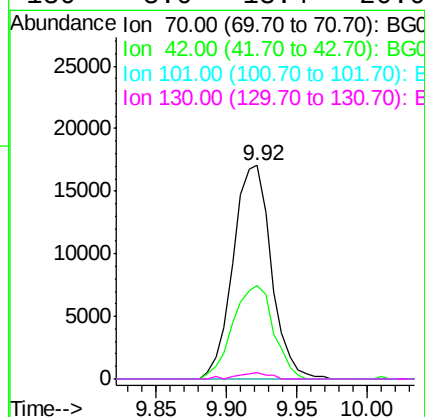
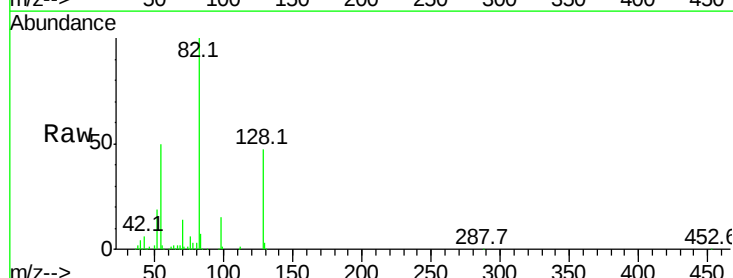
Ion Ratio Lower Upper

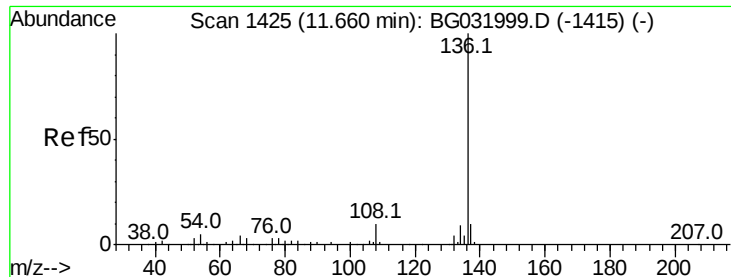
70 100

42 43.5 49.1 73.7#

101 0.0 8.5 12.7#

130 3.0 13.4 20.0#

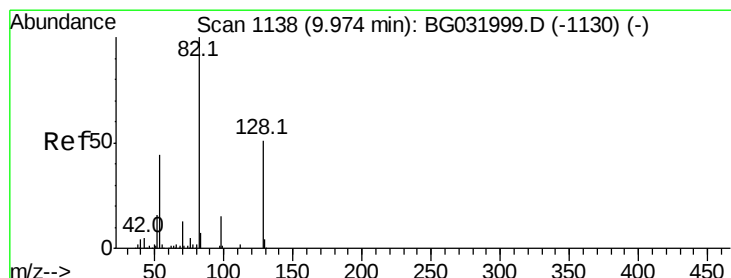
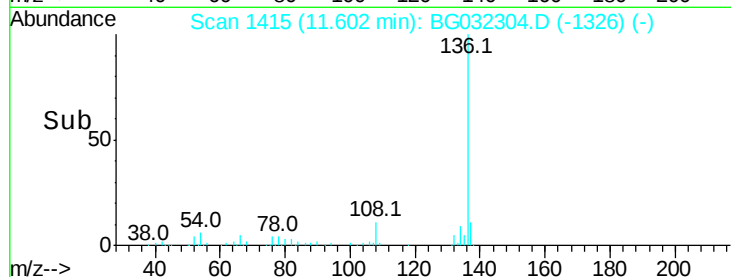
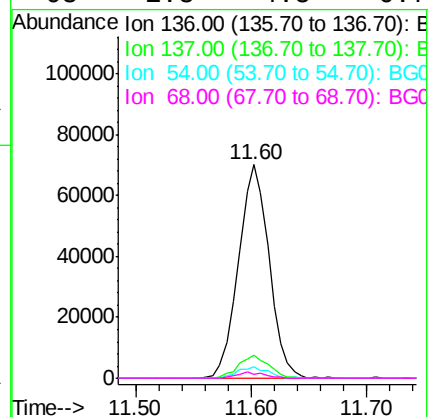
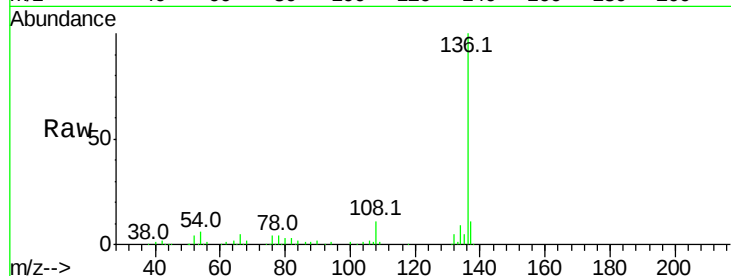




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032304.D
Acq: 25 Jan 2018 21:47

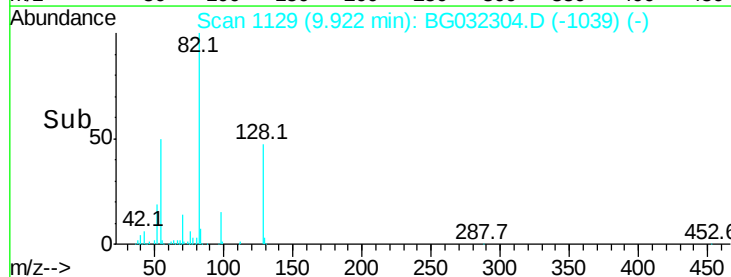
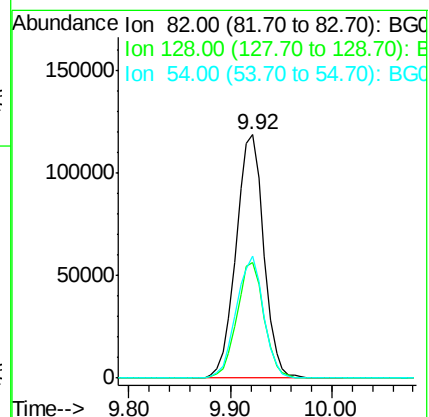
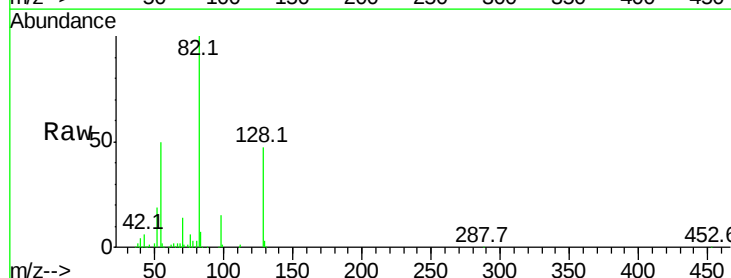
Instrument :
BNA_G
ClientSampleId :

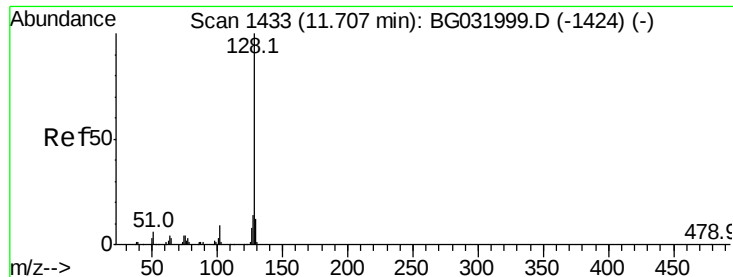
Tot Ion:	136	Resp:	128472
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	5.6	10.3	15.5#
68	1.8	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 117.800 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032304.D
Acq: 25 Jan 2018 21:47

Tgt Ion:	82	Resp:	223697
Ion	Ratio	Lower	Upper
82	100		
128	47.5	29.7	44.5#
54	50.2	43.1	64.7

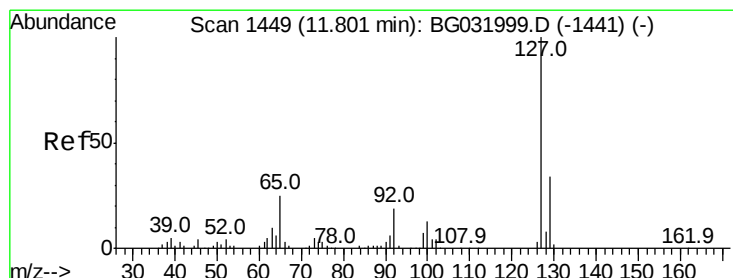
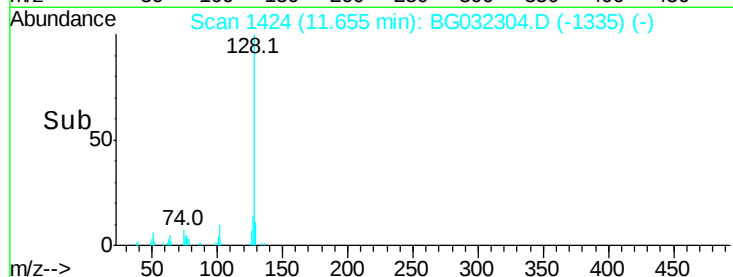
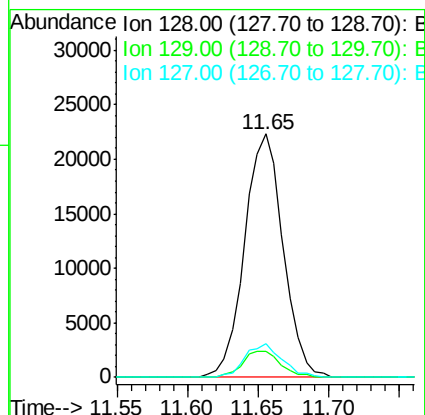
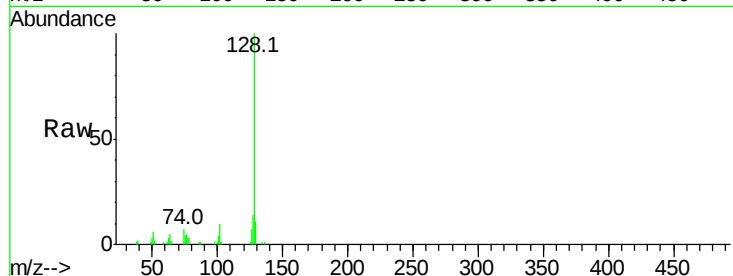




#31
Naphthalene
Concen: 6.693 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BG032304.D
Acq: 25 Jan 2018 21:47

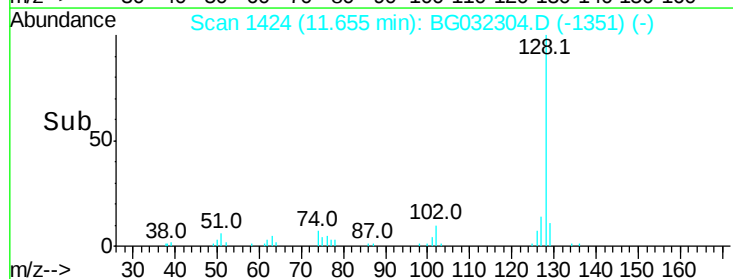
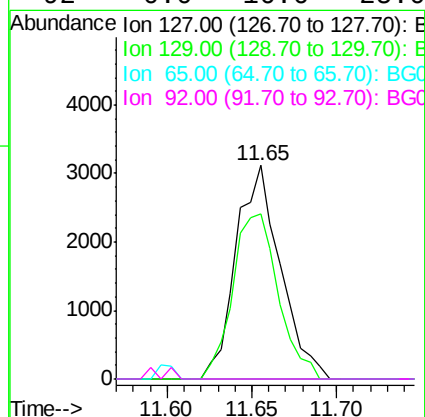
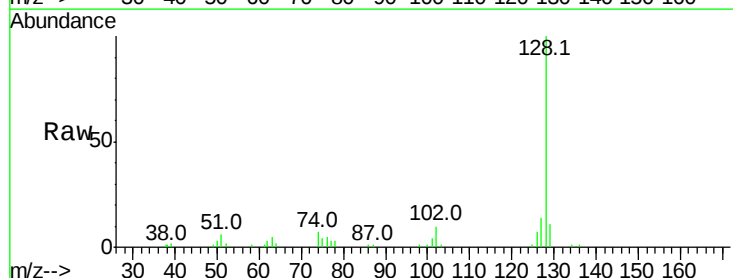
Instrument :
BNA_G
ClientSampleId :

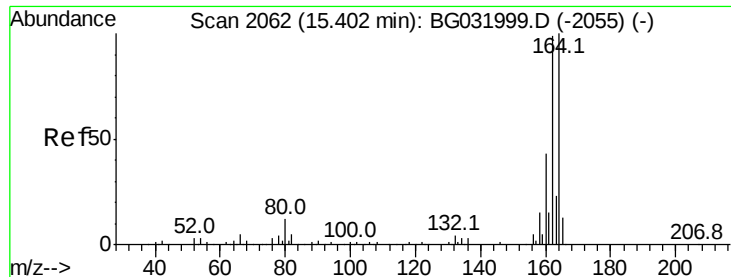
Tot Ion:128 Resp: 42593
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 14.0 11.6 17.4



#33
4-Chloroaniline
Concen: 2.083 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.10 min
Lab File: BG032304.D
Acq: 25 Jan 2018 21:47

Tgt Ion:127 Resp: 5684
Ion Ratio Lower Upper
127 100
129 77.6 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

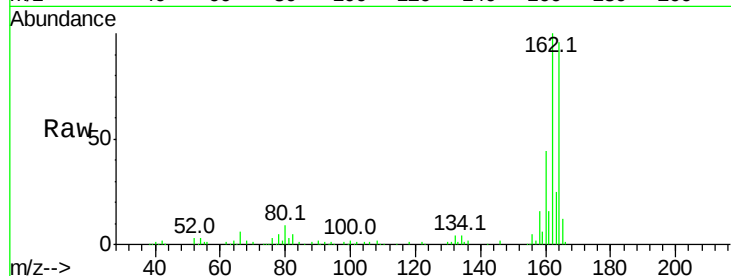
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 99006

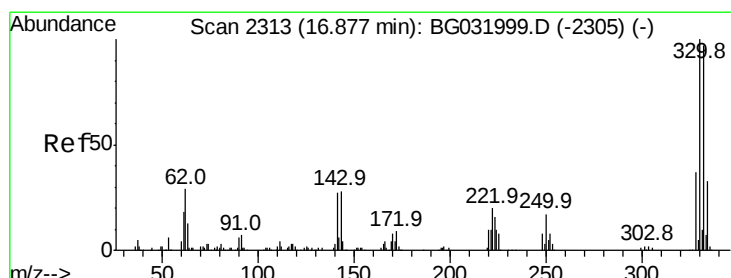
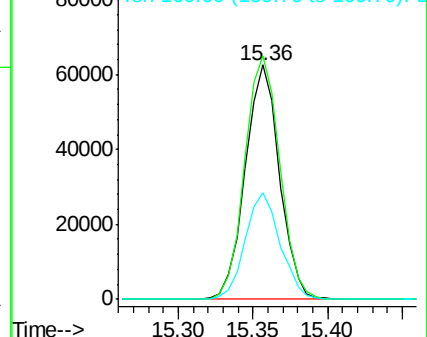
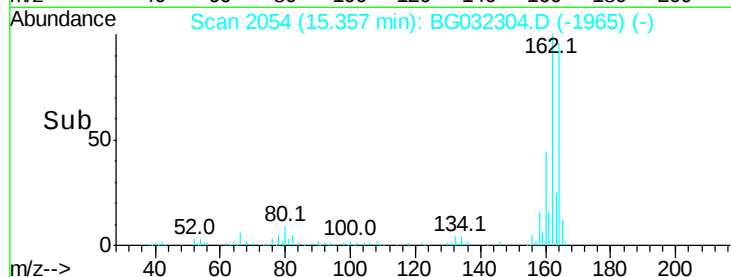
Ion	Ratio	Lower	Upper
164	100		
162	103.9	78.8	118.2
160	45.5	35.4	53.0



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: 191.065 ng

RT: 16.83 min Scan# 2305

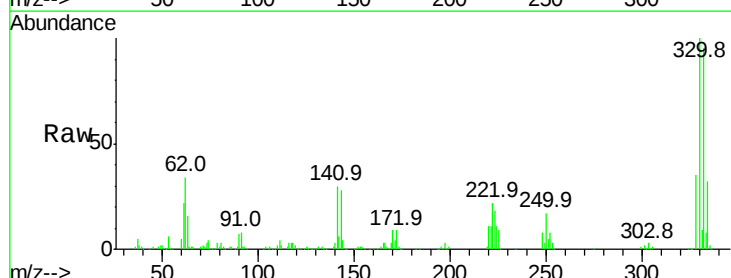
Delta R.T. -0.01 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

Tgt Ion:330 Resp: 313026

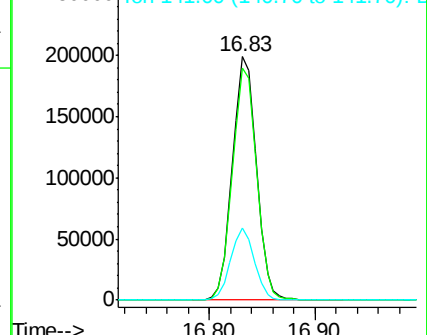
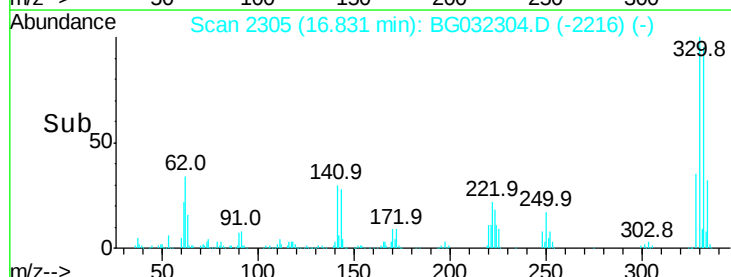
Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	29.3	25.2	37.8

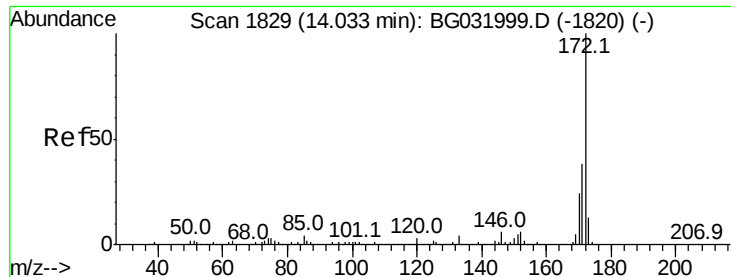


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

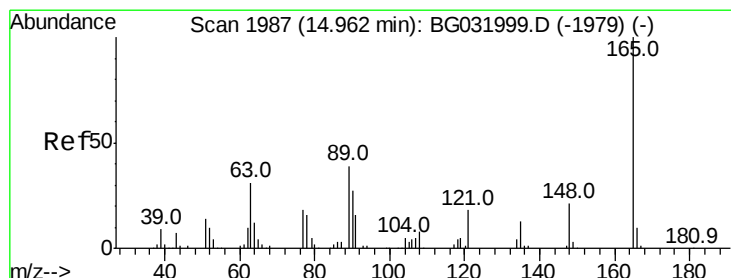
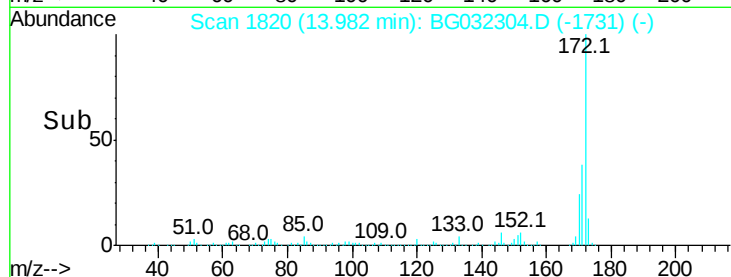
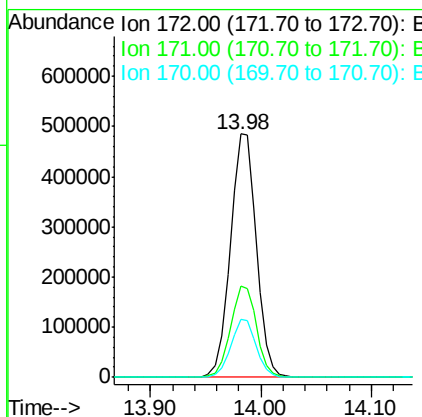
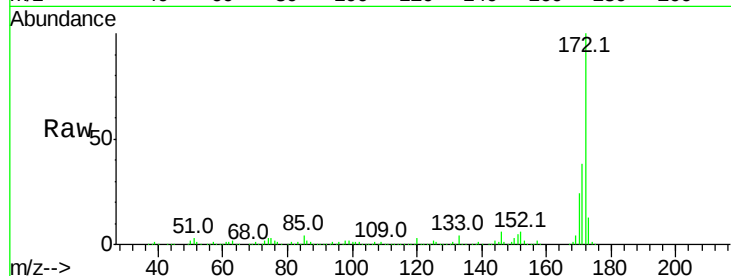




#44
2-Fluorobiphenyl
Concen: 100.066 ng
RT: 13.98 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BG032304.D
Acq: 25 Jan 2018 21:47

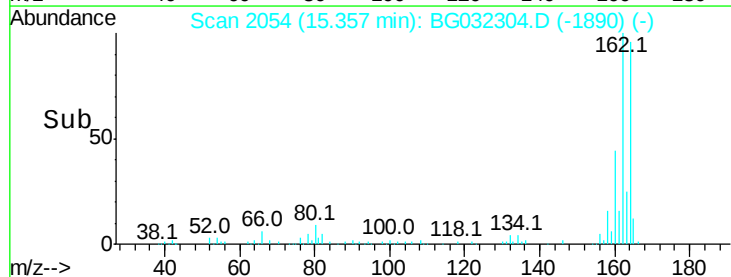
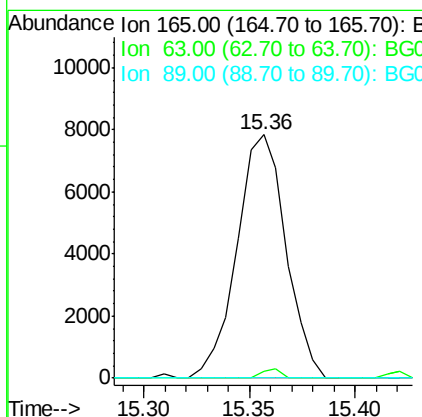
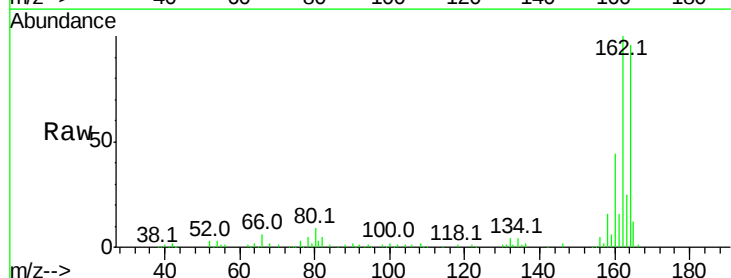
Instrument :
BNA_G
ClientSampleId :

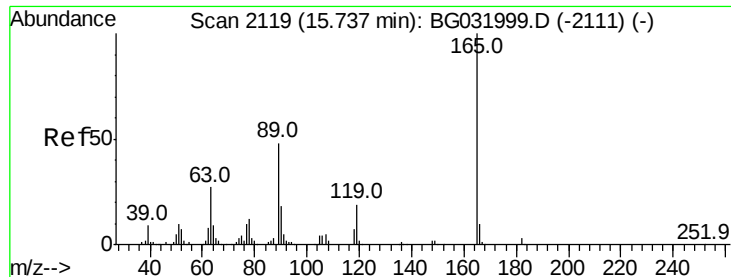
Tot Ion:172 Resp: 798995
Ion Ratio Lower Upper
172 100
171 37.6 30.0 45.0
170 24.0 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.003 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.43 min
Lab File: BG032304.D
Acq: 25 Jan 2018 21:47

Tgt Ion:165 Resp: 12594
Ion Ratio Lower Upper
165 100
63 2.7 52.7 79.1#
89 0.0 49.2 73.8#

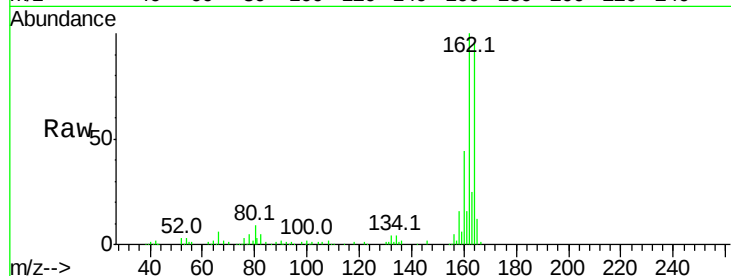




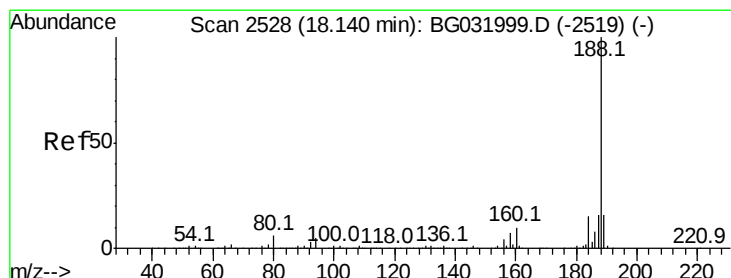
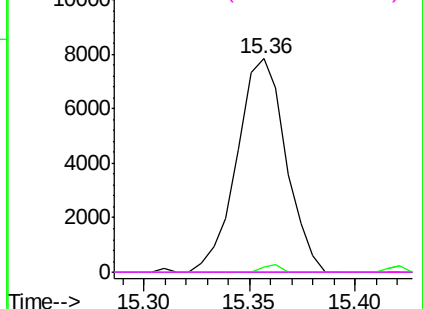
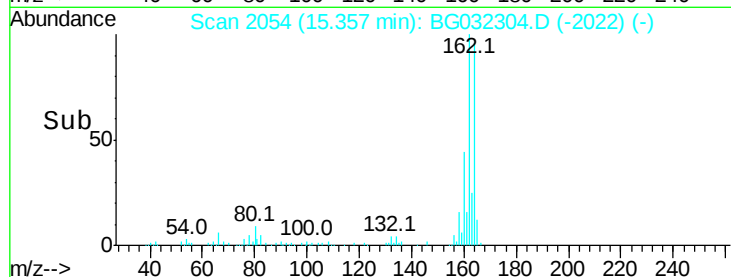
#56
 2,4-Dinitrotoluene
 Concen: 5.202 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032304.D
 Acq: 25 Jan 2018 21:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 12594
 Ion Ratio Lower Upper
 165 100
 63 2.7 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

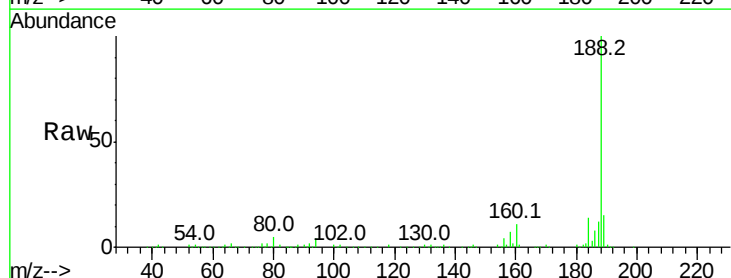


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

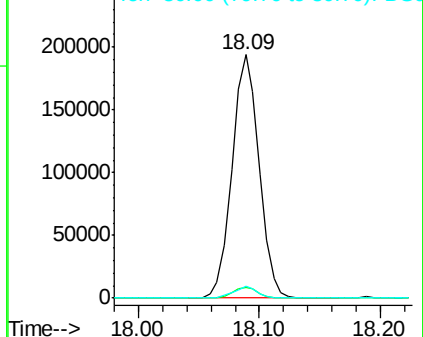
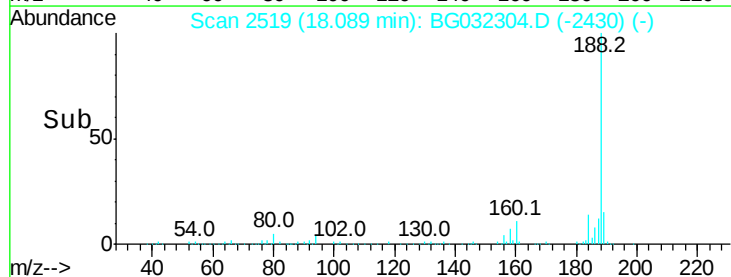


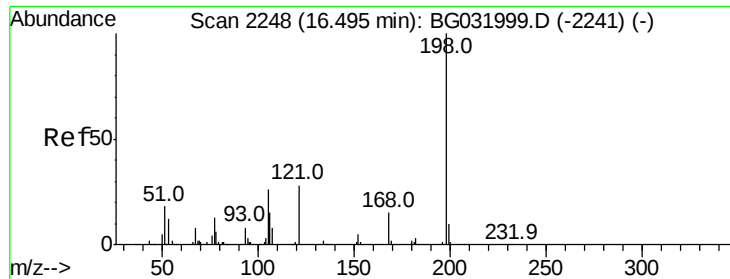
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032304.D
 Acq: 25 Jan 2018 21:47

Tgt Ion:188 Resp: 301233
 Ion Ratio Lower Upper
 188 100
 94 4.5 6.9 10.3#
 80 4.8 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

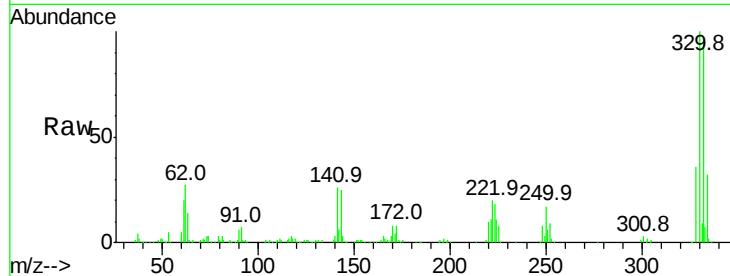




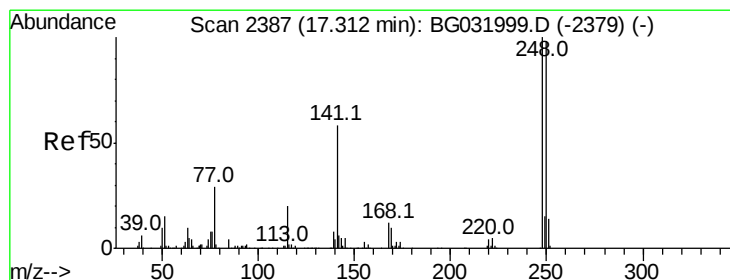
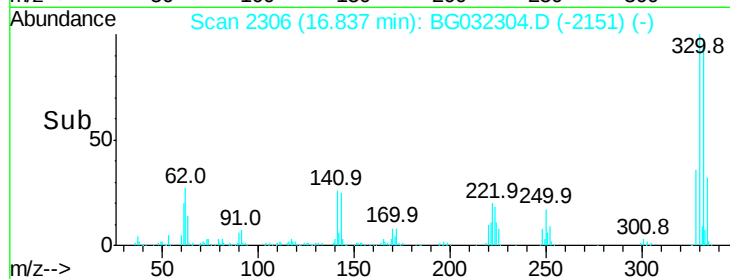
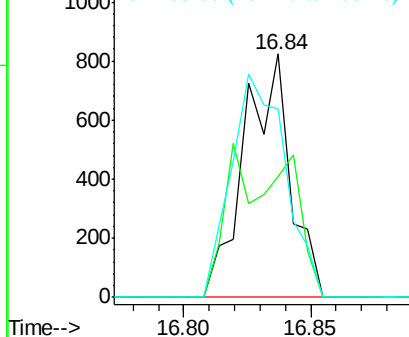
#64
4,6-Dinitro-2-methylphenol
Concen: 5.369 ng
RT: 16.84 min Scan# 2306
Delta R.T. 0.38 min
Lab File: BG032304.D
Acq: 25 Jan 2018 21:47

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 1041
Ion Ratio Lower Upper
198 100
51 49.5 30.6 70.6
105 77.4 23.8 63.8#

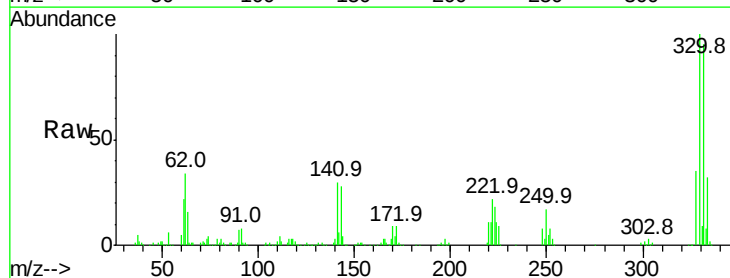


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

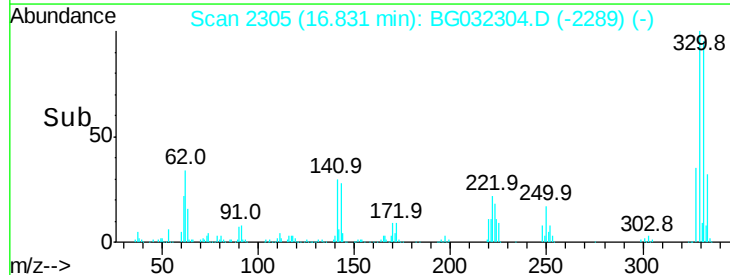
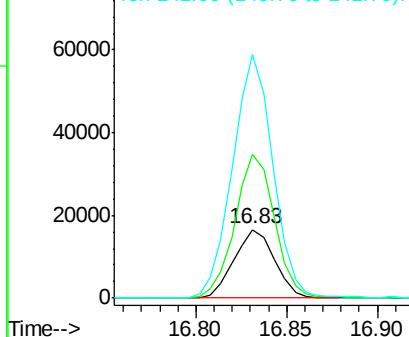


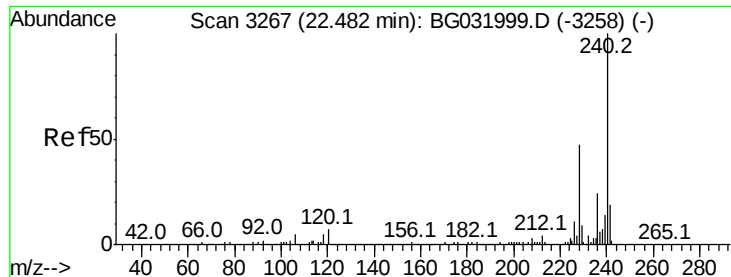
#66
4-Bromophenyl-phenylether
Concen: 6.010 ng
RT: 16.83 min Scan# 2305
Delta R.T. -0.43 min
Lab File: BG032304.D
Acq: 25 Jan 2018 21:47

Tgt Ion:248 Resp: 25759
Ion Ratio Lower Upper
248 100
250 209.8 77.1 115.7#
141 356.4 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: 22.41 min Scan# 3255

Delta R.T. -0.01 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

Instrument :

BNA_G

ClientSampleId :

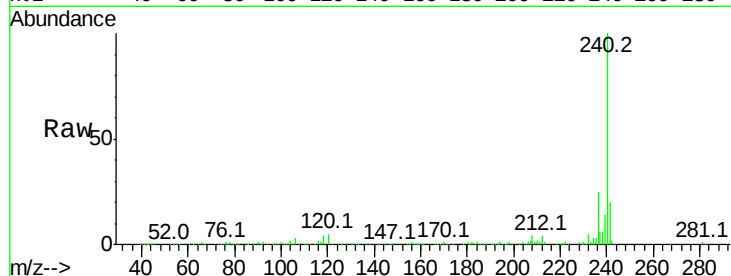
Tot Ion:240 Resp: 375472

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

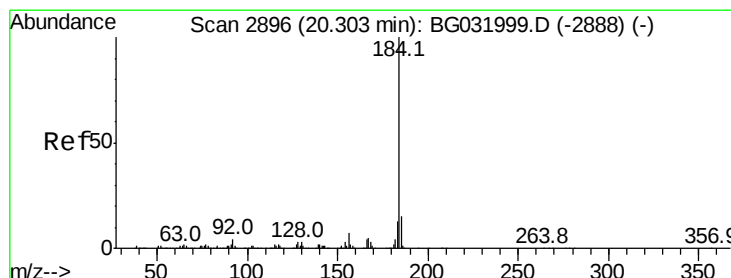
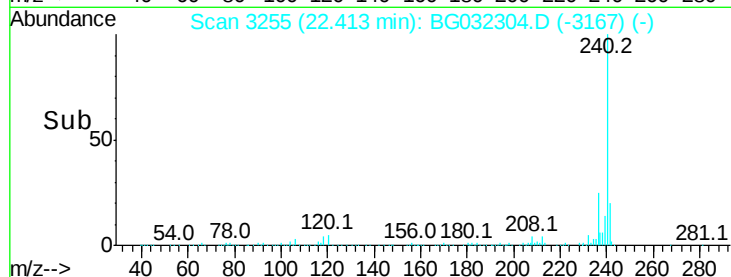
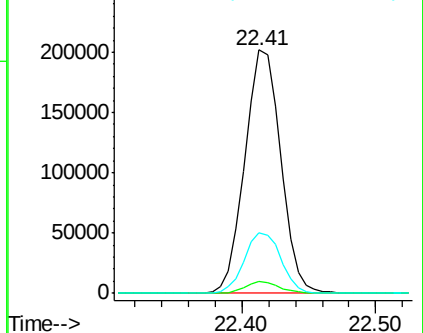
236 25.0 20.9 31.3



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: 2.930 ng

RT: 20.63 min Scan# 2951

Delta R.T. 0.36 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

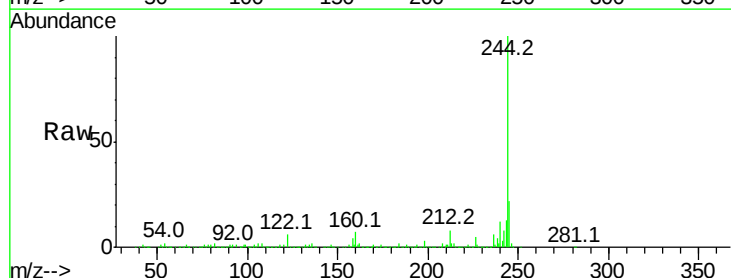
Tgt Ion:184 Resp: 27512

Ion Ratio Lower Upper

184 100

185 17.3 11.1 16.7#

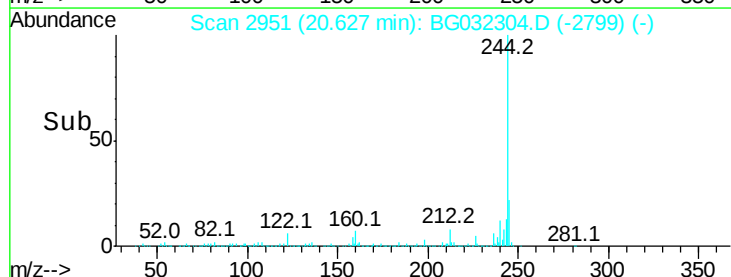
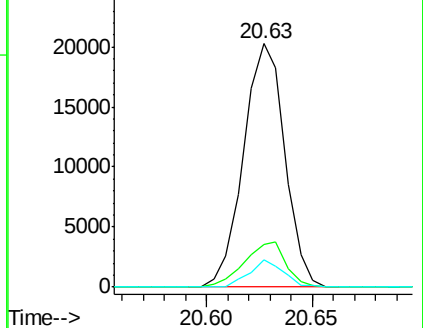
183 11.2 10.6 16.0

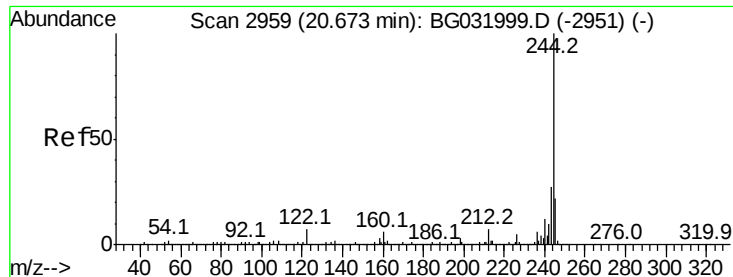


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 106.517 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

Instrument :

BNA_G

ClientSampleId :

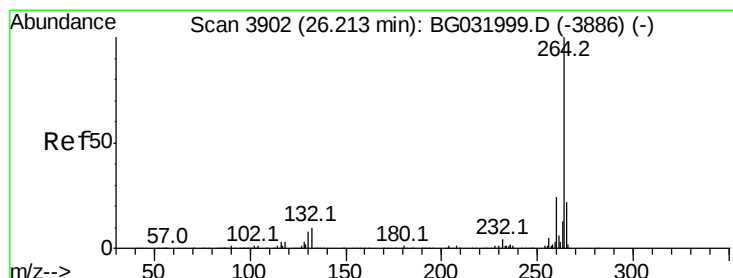
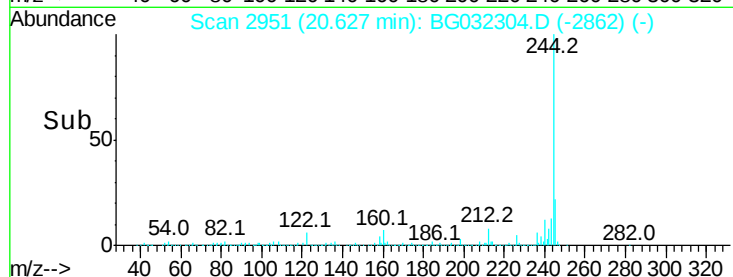
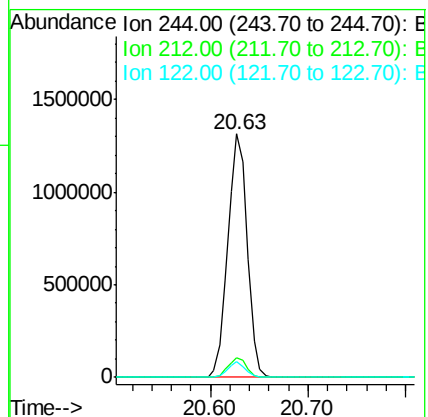
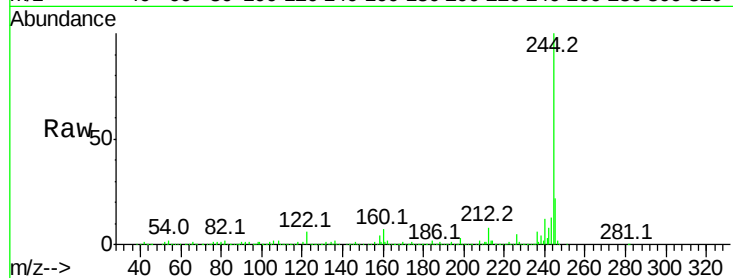
Tot Ion:244 Resp: 1811300

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

122 6.2 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.10 min Scan# 3882

Delta R.T. -0.01 min

Lab File: BG032304.D

Acq: 25 Jan 2018 21:47

Tgt Ion:264 Resp: 405508

Ion Ratio Lower Upper

264 100

260 24.2 17.4 26.0

265 21.8 17.7 26.5

