

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG122018\
 Data File : BG038775.D
 Acq On : 20 Dec 2018 23:29
 Operator : JU/SJ
 Sample : J6194-08RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-121818-A

Quant Time: Dec 21 00:23:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

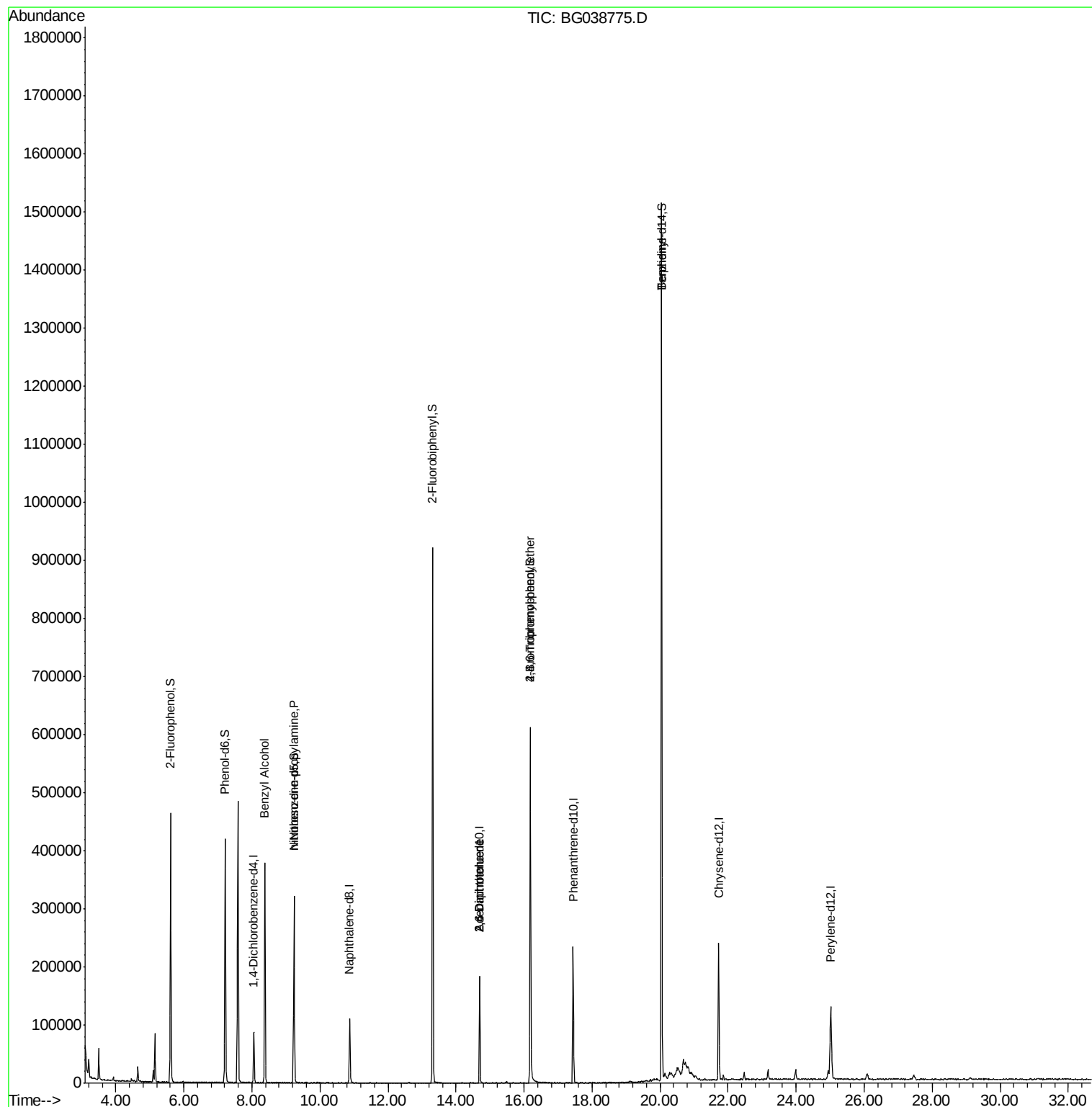
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	25958	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	100732	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	68205	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	162212	20.00	ng	0.00
76) Chrysene-d12	21.72	240	153961	20.00	ng	0.00
87) Perylene-d12	25.02	264	168957	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	196048	133.96	ng	0.00
7) Phenol-d6	7.21	99	241630	120.26	ng	0.00
23) Nitrobenzene-d5	9.24	82	187695	95.19	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	141411	150.44	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	493057	99.17	ng	0.00
79) Terphenyl-d14	20.05	244	789436	111.59	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	3237	2.064	ng	# 48
19) n-Nitroso-di-n-propylamine	9.24	70	25944	18.385	ng	# 67
51) 2,6-Dinitrotoluene	14.69	165	8850	7.011	ng	# 21
57) 2,4-Dinitrotoluene	14.69	165	8850	4.978	ng	# 23
67) 4-Bromophenyl-phenylether	16.19	248	8894	4.489	ng	# 1
77) Benzidine	20.04	184	12914	2.836	ng	96

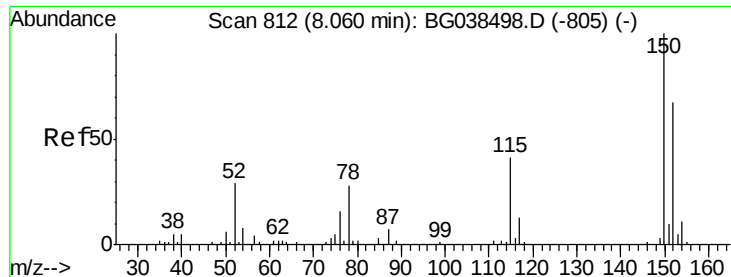
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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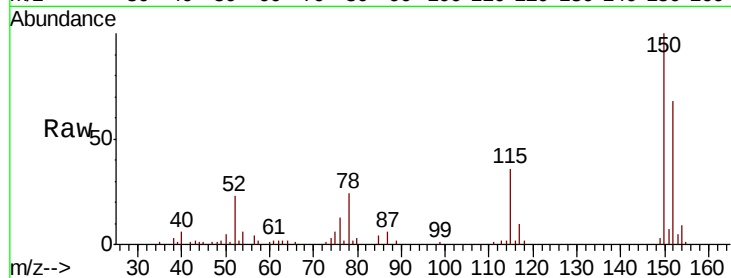


#1

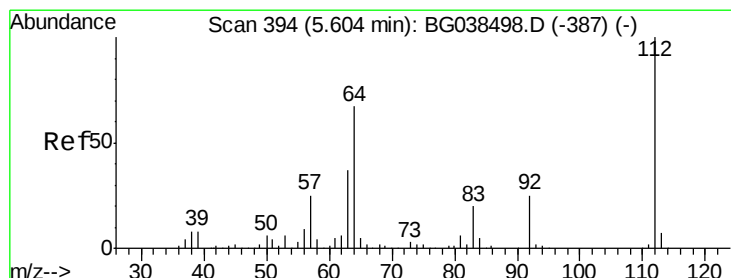
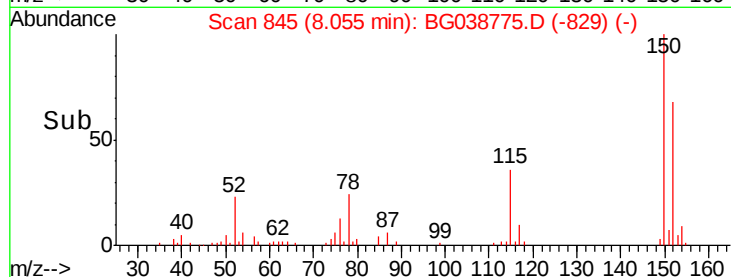
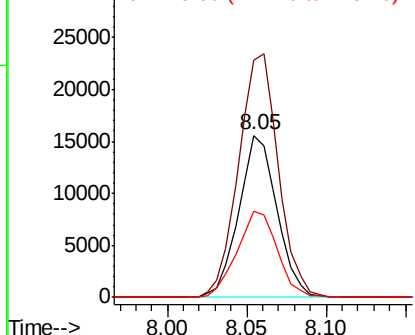
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038775.D
Acq: 20 Dec 2018 23:29

Instrument :
BNA_G
ClientSampleId :
OK-01-121818-A

Tgt Ion:152 Resp: 25958
Ion Ratio Lower Upper
152 100
150 146.6 119.5 179.3
115 53.0 49.6 74.4



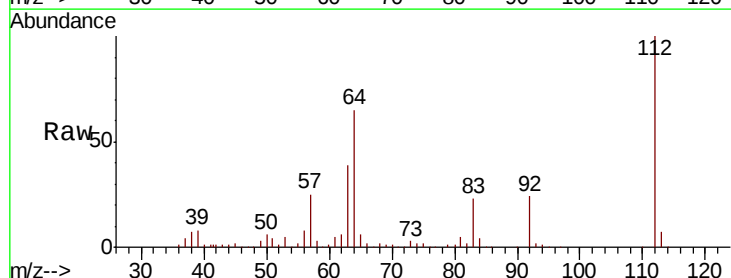
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



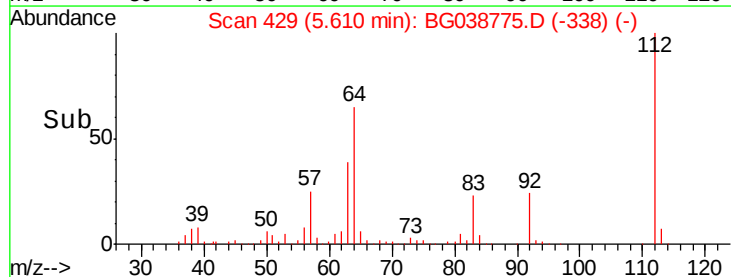
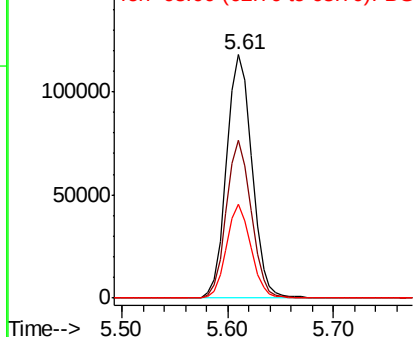
#5

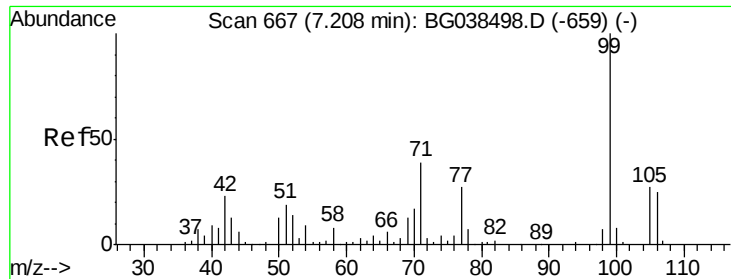
2-Fluorophenol
Concen: 133.955 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038775.D
Acq: 20 Dec 2018 23:29

Tgt Ion:112 Resp: 196048
Ion Ratio Lower Upper
112 100
64 64.6 53.4 80.2
63 38.6 29.3 43.9



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: 120.265 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038775.D

Acq: 20 Dec 2018 23:29

Instrument :

BNA_G

ClientSampleId :

OK-01-121818-A

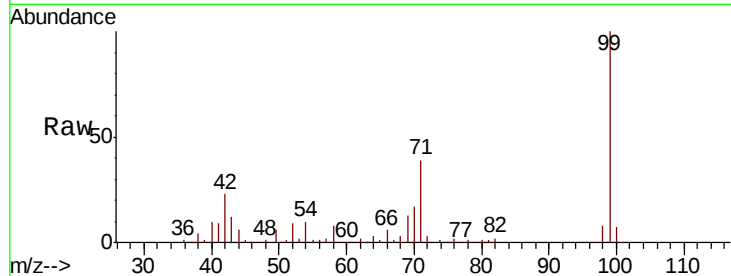
Tgt Ion: 99 Resp: 241630

Ion Ratio Lower Upper

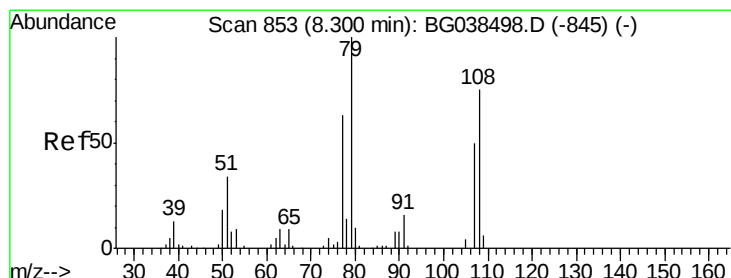
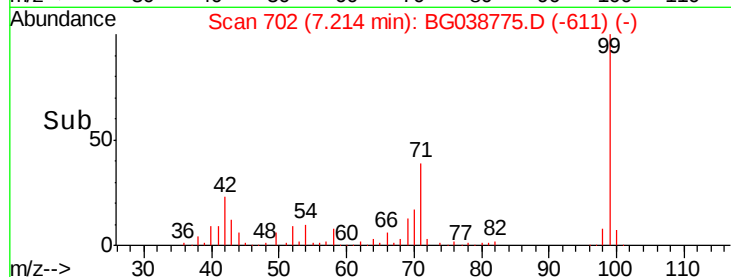
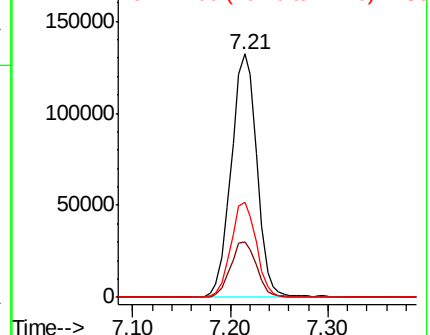
99 100

42 22.6 18.5 27.7

71 39.0 31.1 46.7



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: 2.064 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038775.D

Acq: 20 Dec 2018 23:29

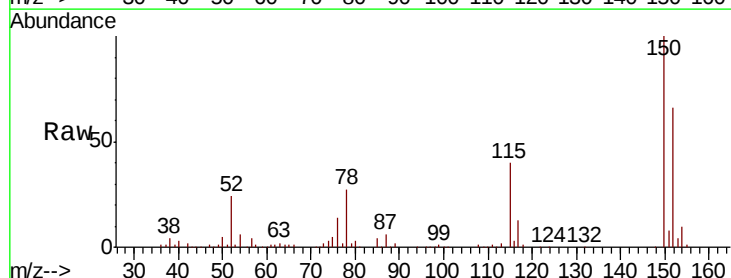
Tgt Ion: 79 Resp: 3237

Ion Ratio Lower Upper

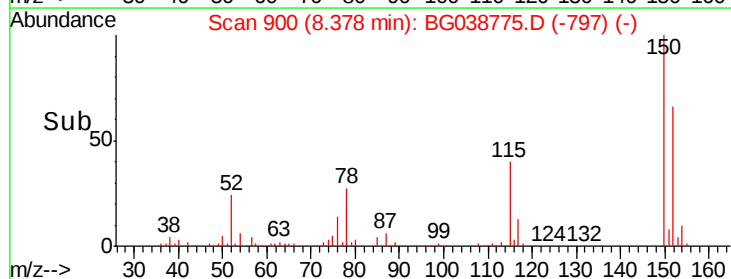
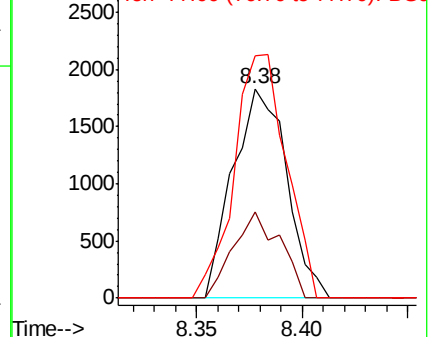
79 100

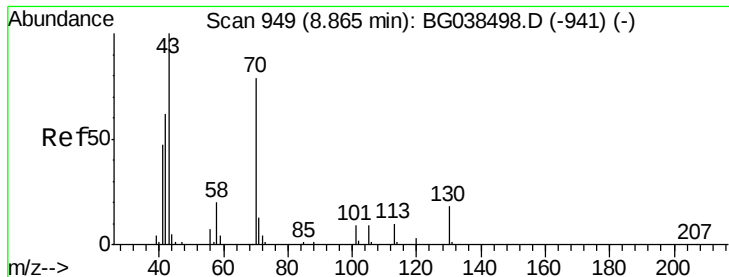
108 41.3 60.2 90.4#

77 115.5 50.7 76.1#



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





#19

n-Nitroso-di-n-propylamine

Concen: 18.385 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038775.D

Acq: 20 Dec 2018 23:29

Instrument :

BNA_G

ClientSampleId :

OK-01-121818-A

Tgt Ion: 70 Resp: 25944

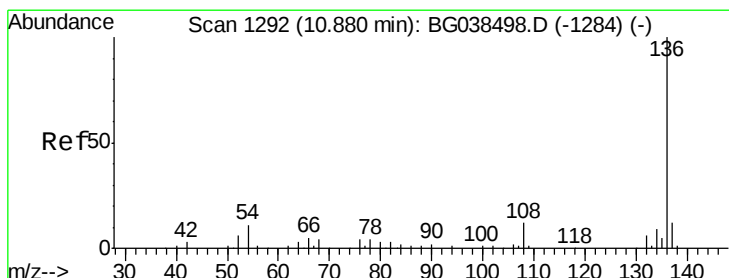
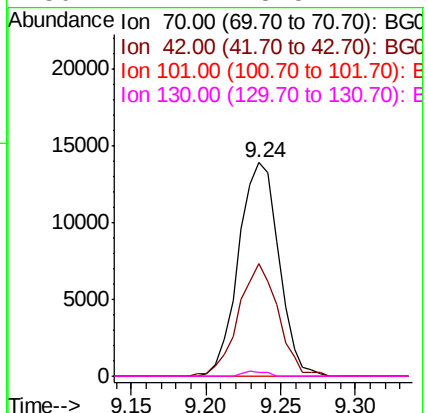
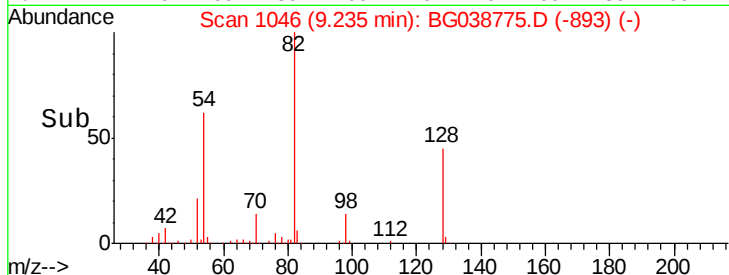
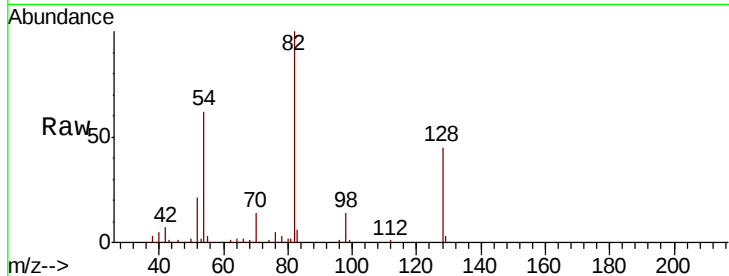
Ion Ratio Lower Upper

70 100

42 52.6 63.6 95.4#

101 0.0 9.2 13.8#

130 2.1 18.5 27.7#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BG038775.D

Acq: 20 Dec 2018 23:29

Tgt Ion: 136 Resp: 100732

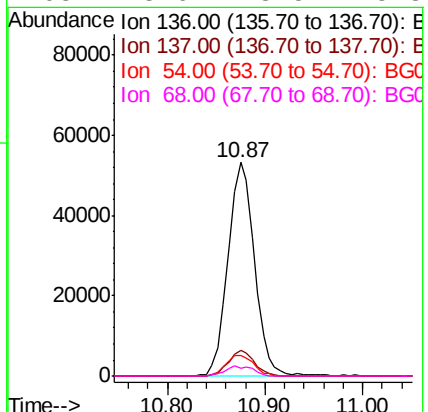
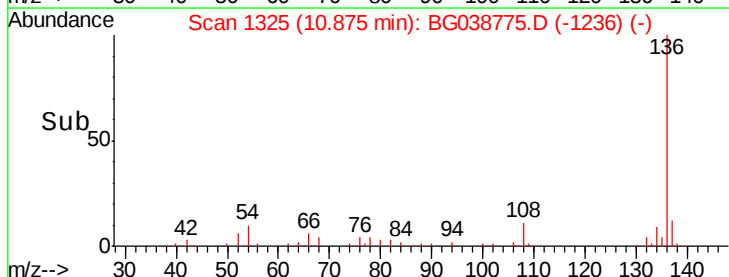
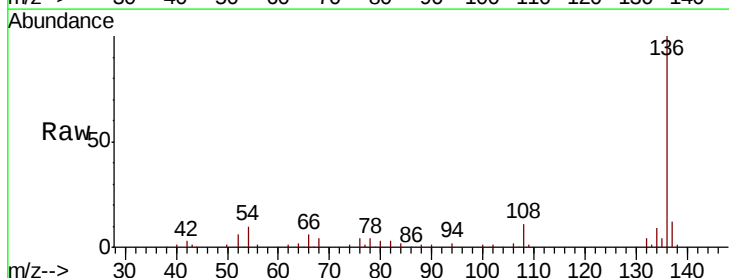
Ion Ratio Lower Upper

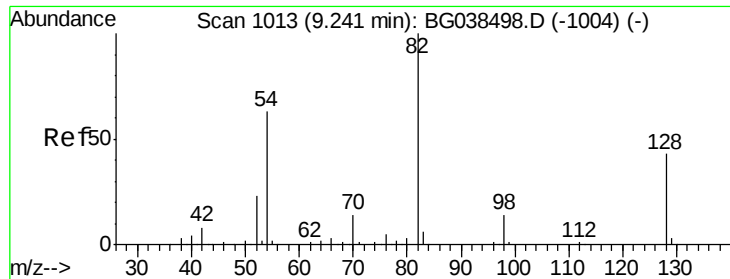
136 100

137 11.9 9.3 13.9

54 9.9 8.5 12.7

68 3.6 3.5 5.3

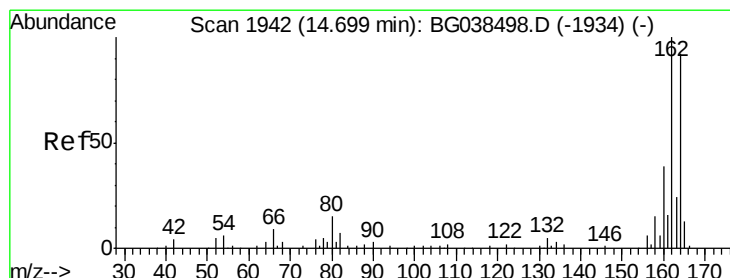
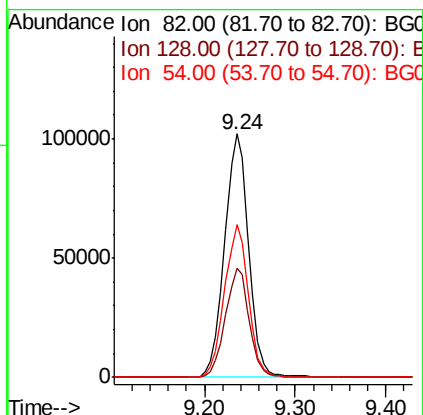
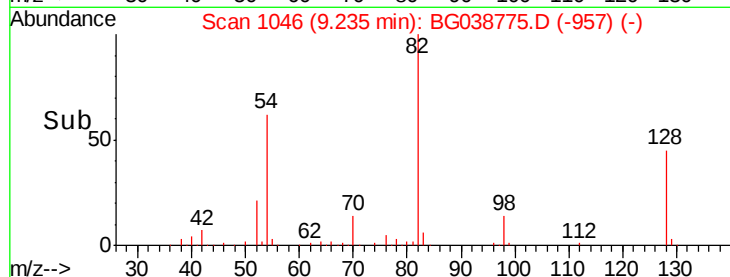
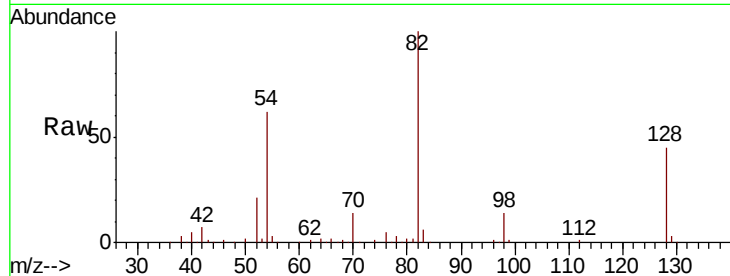




#23
 Nitrobenzene-d5
 Concen: 95.191 ng
 RT: 9.24 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BG038775.D
 Acq: 20 Dec 2018 23:29

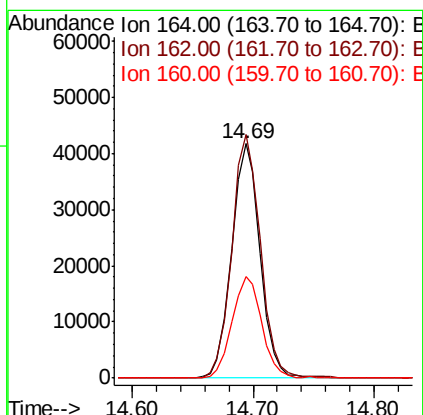
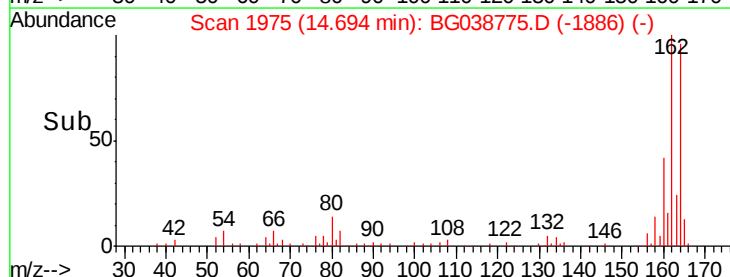
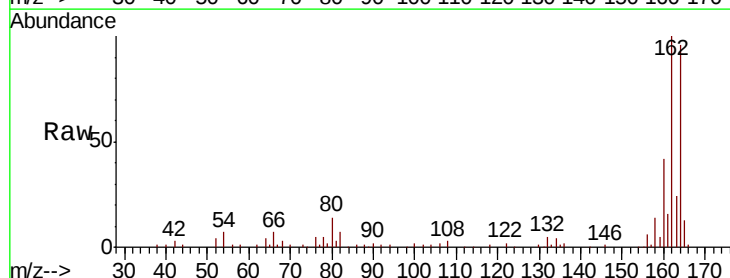
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-121818-A

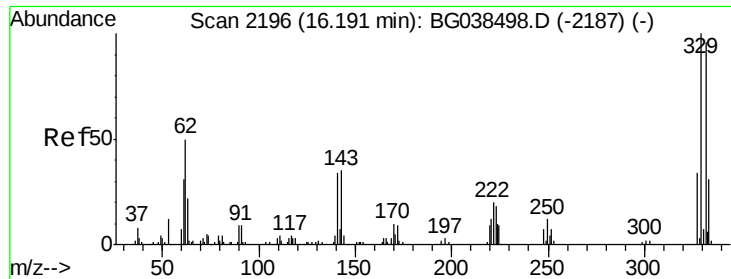
Tgt Ion: 82 Resp: 187695
 Ion Ratio Lower Upper
 82 100
 128 45.0 34.6 52.0
 54 62.5 50.6 76.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BG038775.D
 Acq: 20 Dec 2018 23:29

Tgt Ion: 164 Resp: 68205
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.6 130.0
 160 43.3 34.2 51.2

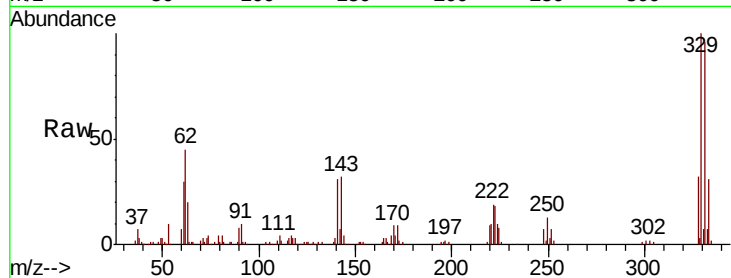




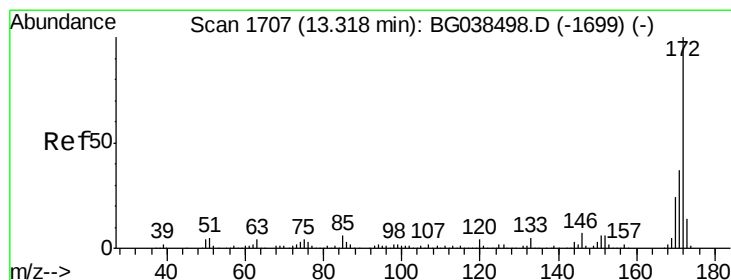
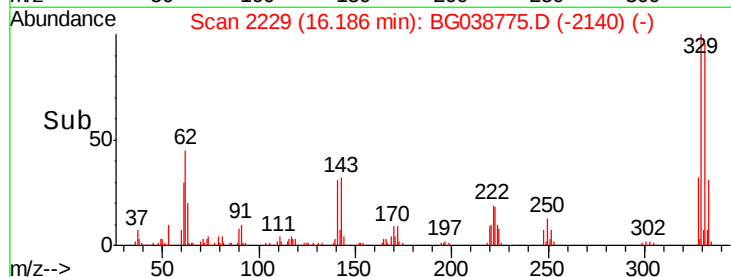
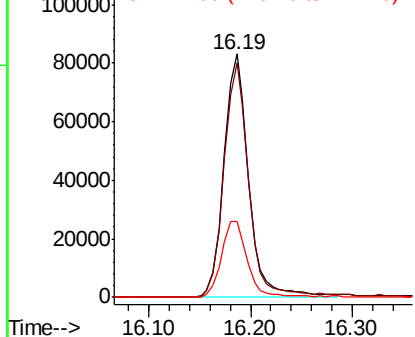
#42
 2,4,6-Tribromophenol
 Concen: 150.439 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BG038775.D
 Acq: 20 Dec 2018 23:29

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-121818-A

Tgt Ion:330 Resp: 141411
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.9 115.3
 141 32.8 28.8 43.2

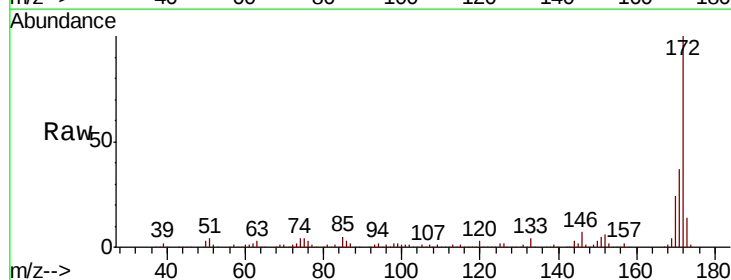


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

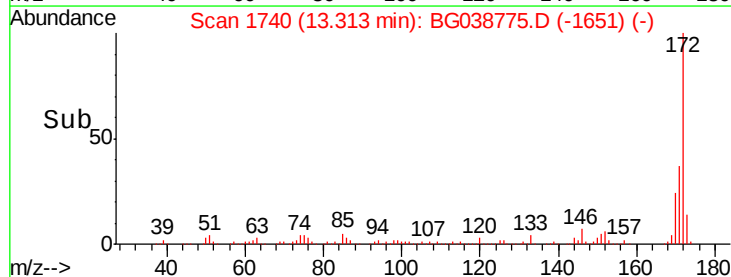
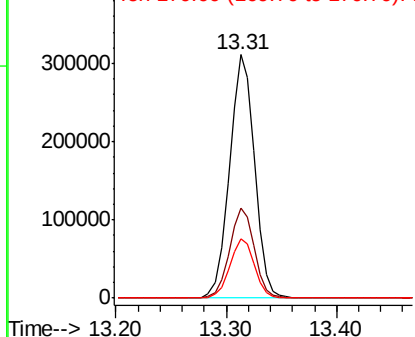


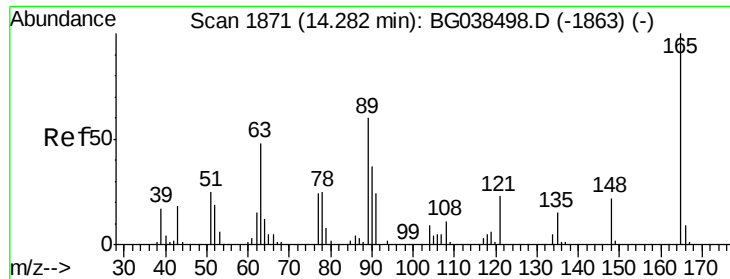
#45
 2-Fluorobiphenyl
 Concen: 99.172 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038775.D
 Acq: 20 Dec 2018 23:29

Tgt Ion:172 Resp: 493057
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.8 44.6
 170 24.3 19.5 29.3



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

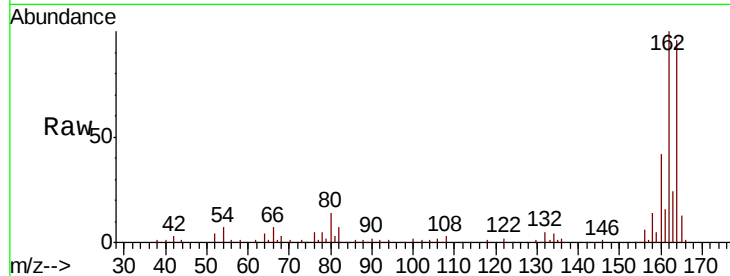




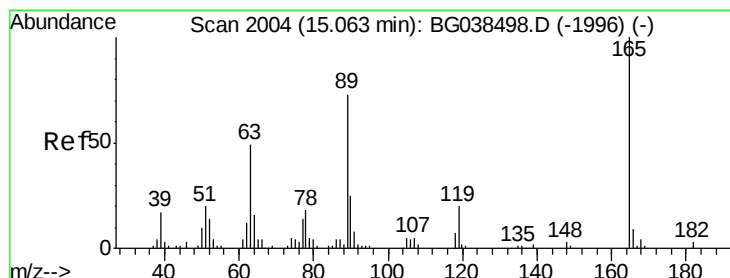
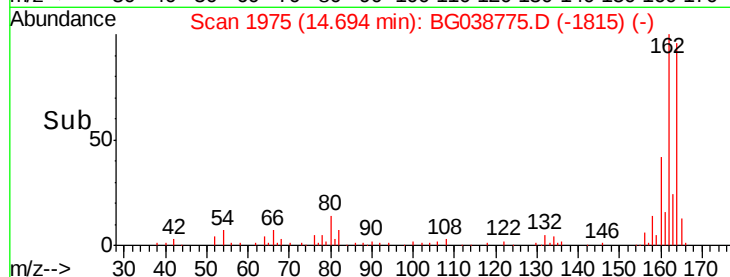
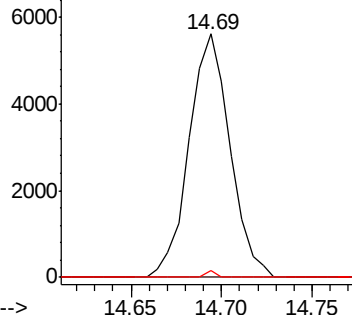
#51
 2,6-Dinitrotoluene
 Concen: 7.011 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038775.D
 Acq: 20 Dec 2018 23:29

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-121818-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	2.8	47.9	71.9#

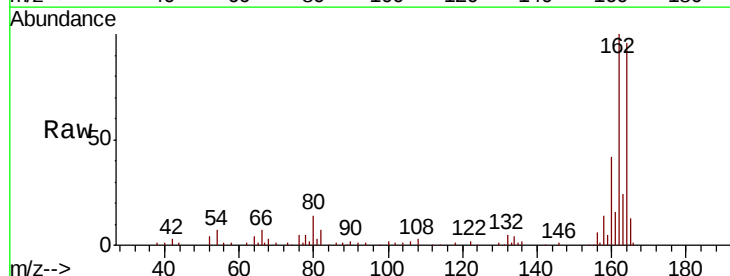


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

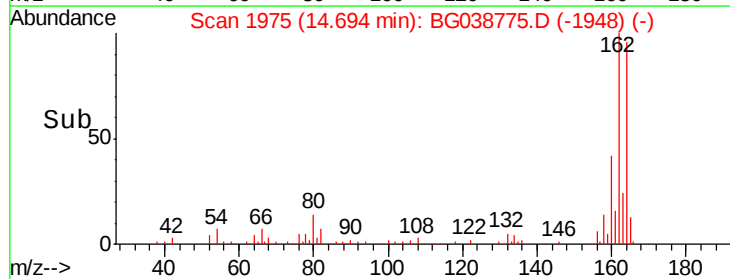
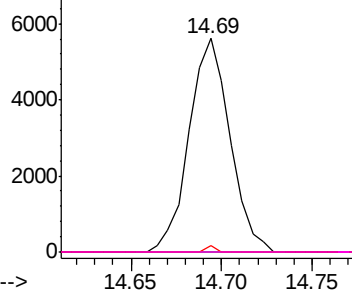


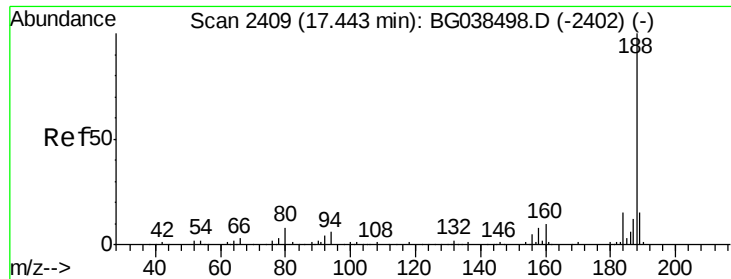
#57
 2,4-Dinitrotoluene
 Concen: 4.978 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038775.D
 Acq: 20 Dec 2018 23:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	2.8	58.0	87.0#
182	0.0	2.3	3.5#



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

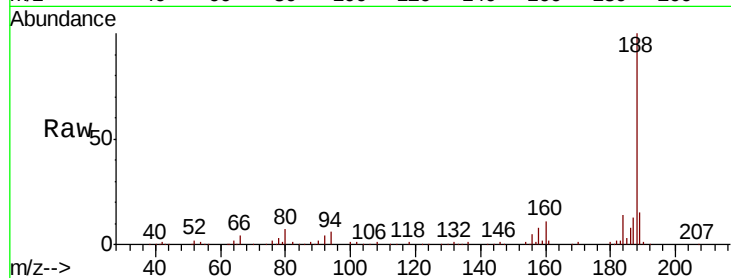




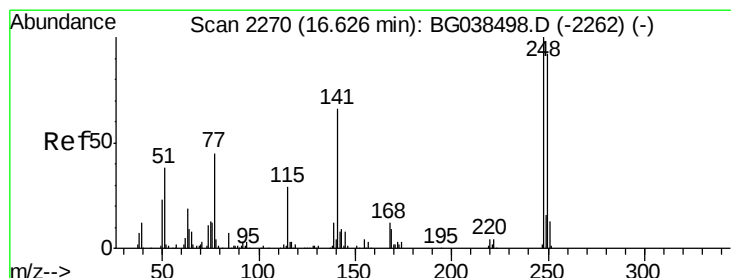
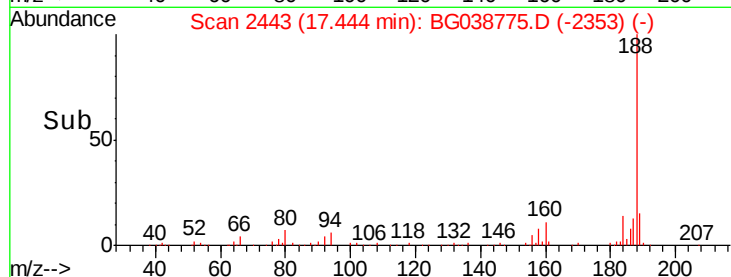
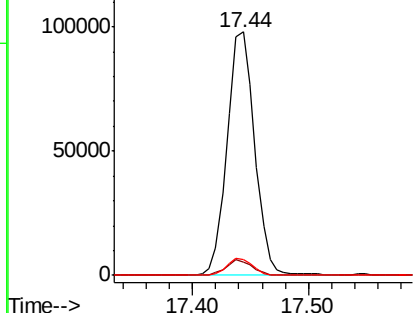
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038775.D
 Acq: 20 Dec 2018 23:29

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-121818-A

Tgt Ion:188 Resp: 162212
 Ion Ratio Lower Upper
 188 100
 94 5.5 5.1 7.7
 80 6.7 6.1 9.1

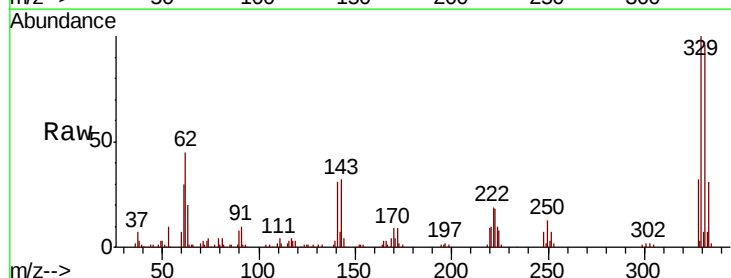


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

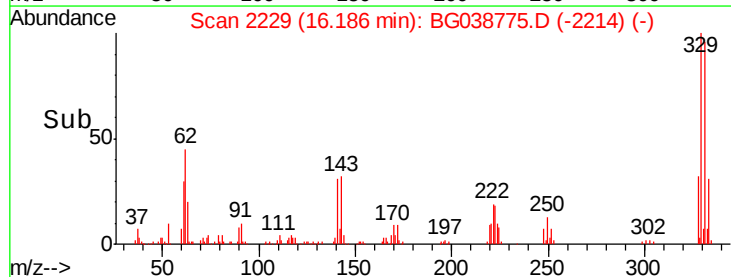
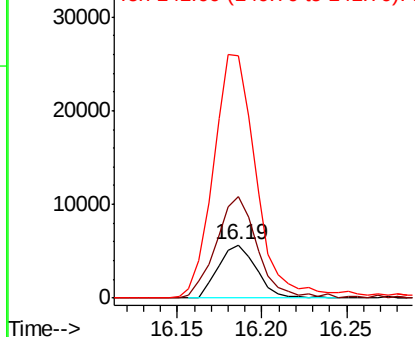


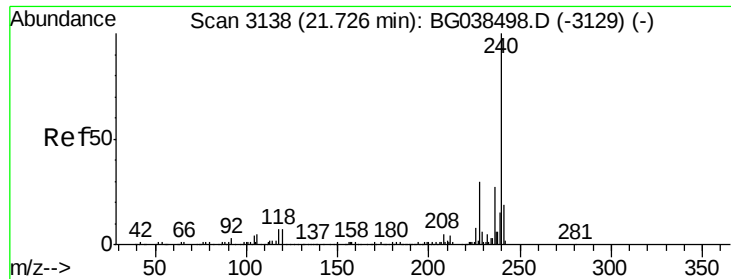
#67
 4-Bromophenyl-phenylether
 Concen: 4.489 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038775.D
 Acq: 20 Dec 2018 23:29

Tgt Ion:248 Resp: 8894
 Ion Ratio Lower Upper
 248 100
 250 182.9 73.4 110.2#
 141 351.8 52.9 79.3#



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

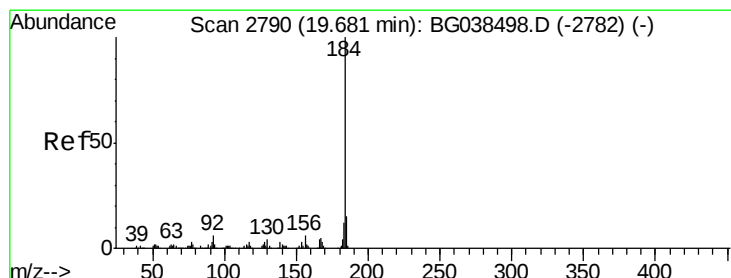
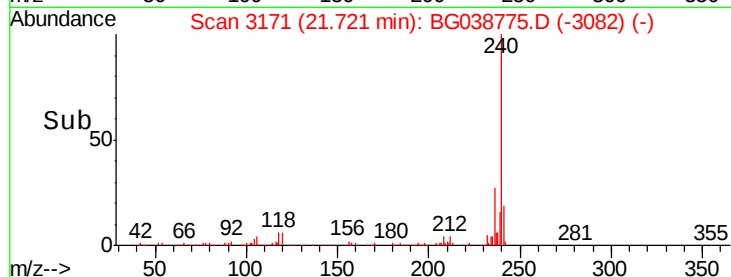
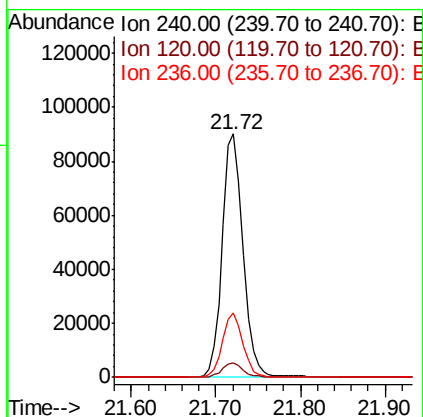
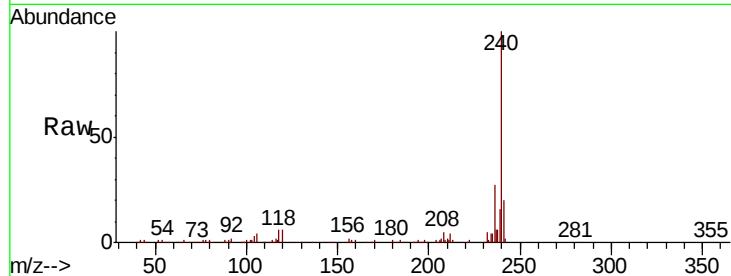




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038775.D
Acq: 20 Dec 2018 23:29

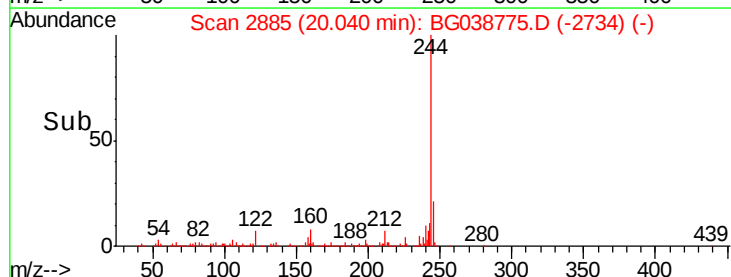
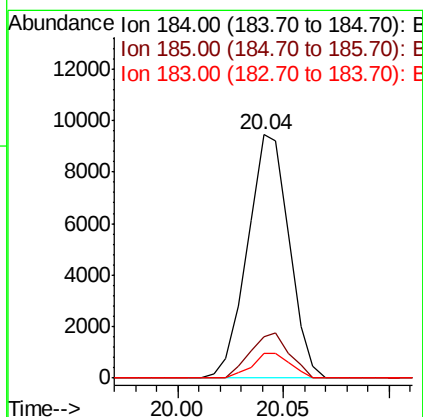
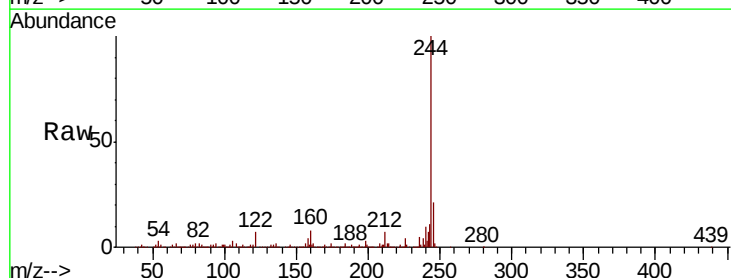
Instrument :
BNA_G
ClientSampleId :
OK-01-121818-A

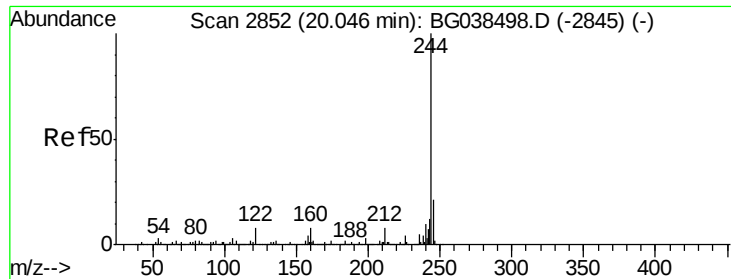
Tgt Ion:240 Resp: 153961
Ion Ratio Lower Upper
240 100
120 5.8 5.3 7.9
236 26.6 21.4 32.2



#77
Benzidine
Concen: 2.836 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.36 min
Lab File: BG038775.D
Acq: 20 Dec 2018 23:29

Tgt Ion:184 Resp: 12914
Ion Ratio Lower Upper
184 100
185 16.9 12.2 18.2
183 10.1 9.6 14.4





#79

Terphenyl-d14

Concen: 111.592 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038775.D

Acq: 20 Dec 2018 23:29

Instrument :

BNA_G

ClientSampleId :

OK-01-121818-A

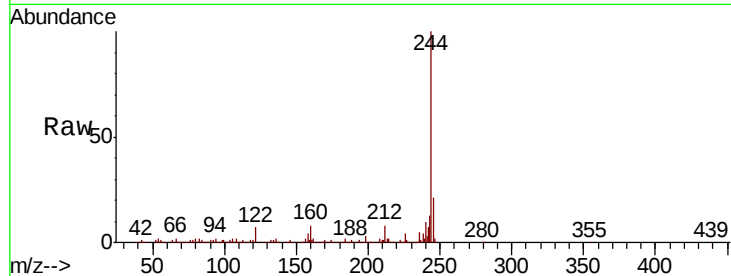
Tgt Ion:244 Resp: 789436

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

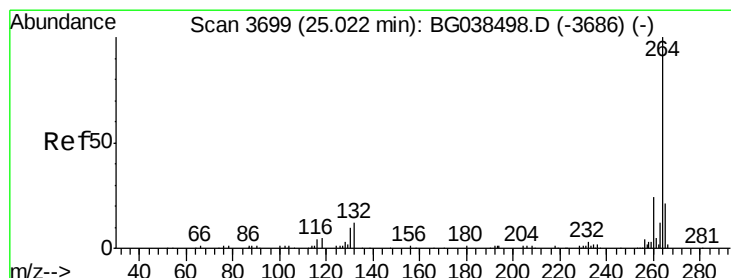
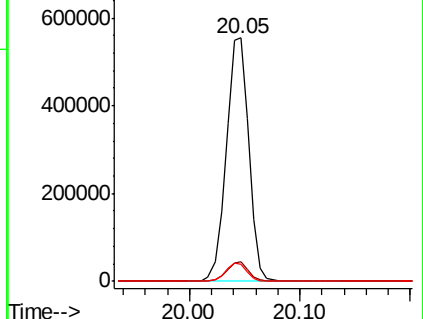
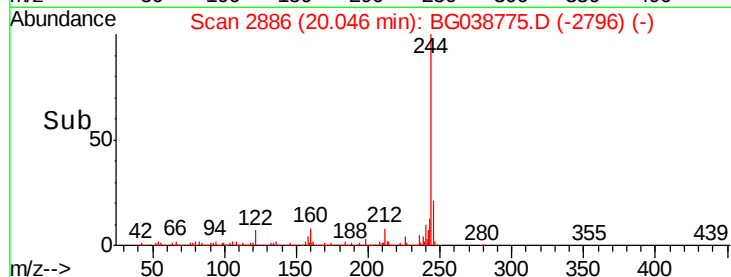
122 6.9 6.3 9.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038775.D

Acq: 20 Dec 2018 23:29

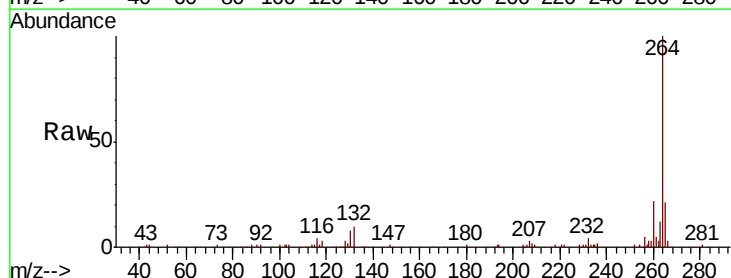
Tgt Ion:264 Resp: 168957

Ion Ratio Lower Upper

264 100

260 22.0 18.9 28.3

265 21.4 17.0 25.4



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

