

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122618\
 Data File : BG038828.D
 Acq On : 26 Dec 2018 13:39
 Operator : JU/SJ
 Sample : J6548-21
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 26 14:31:12 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

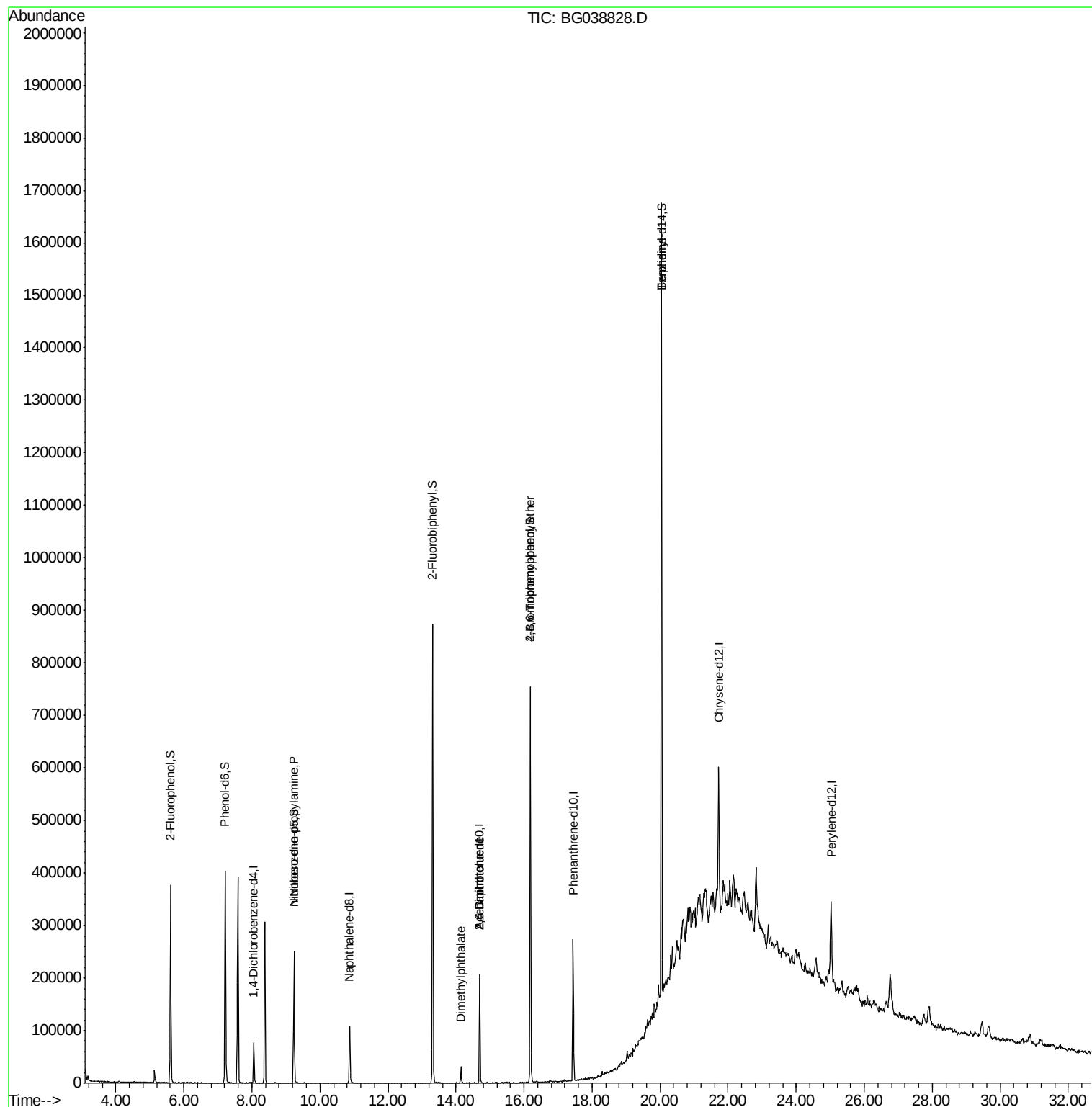
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	22525	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	97847	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	74577	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	180764	20.00	ng	0.00
76) Chrysene-d12	21.72	240	169366	20.00	ng	0.00
87) Perylene-d12	25.02	264	180957	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	164678	129.67	ng	0.00
7) Phenol-d6	7.21	99	239929	137.62	ng	0.00
23) Nitrobenzene-d5	9.23	82	149772	78.20	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	163489	159.07	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	474156	87.22	ng	0.00
79) Terphenyl-d14	20.05	244	768423	98.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	20309	16.586	ng	# 65
50) Dimethylphthalate	14.14	163	24192	3.972	ng	# 96
51) 2,6-Dinitrotoluene	14.69	165	9513	6.893	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9513	4.894	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	10947	4.959	ng	# 1
77) Benzidine	20.05	184	13172	2.630	ng	# 93

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

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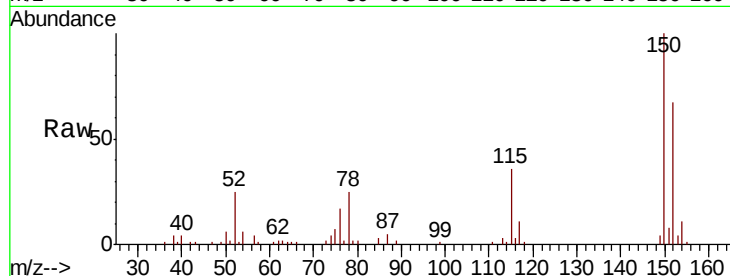


#1

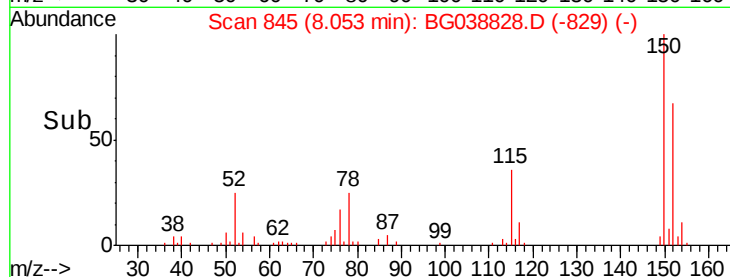
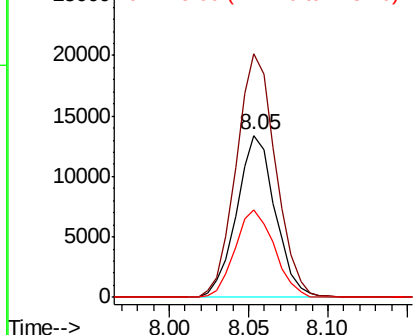
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038828.D
Acq: 26 Dec 2018 13:39

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 22525
Ion Ratio Lower Upper
152 100
150 150.1 119.5 179.3
115 53.7 49.6 74.4



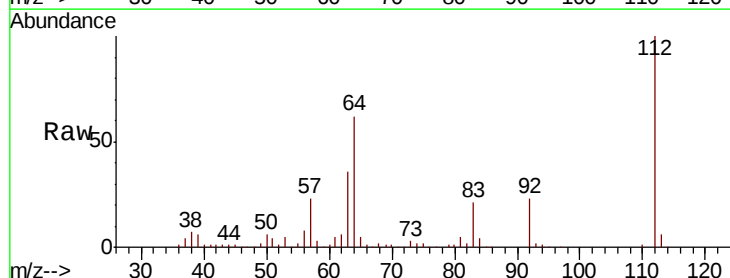
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



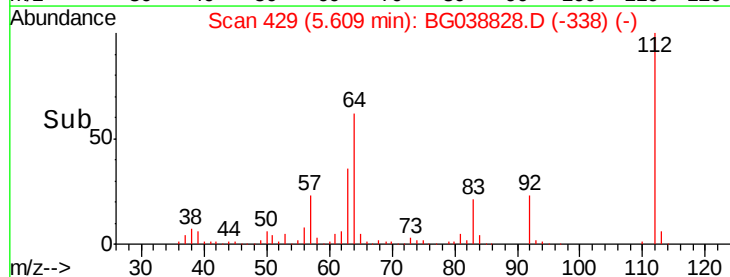
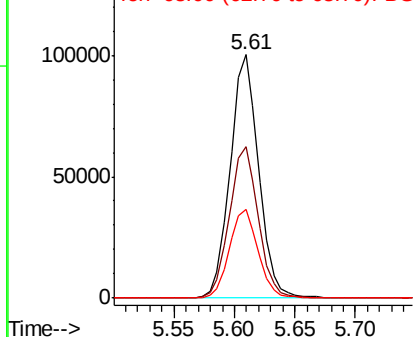
#5

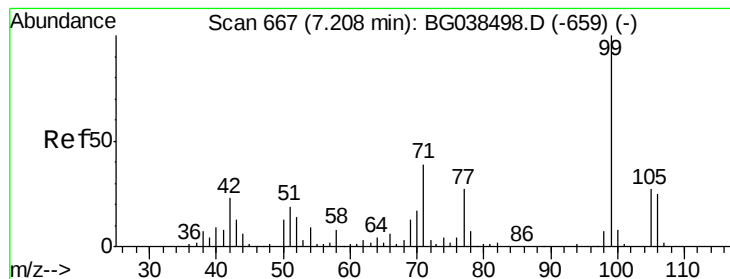
2-Fluorophenol
Concen: 129.670 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038828.D
Acq: 26 Dec 2018 13:39

Tgt Ion:112 Resp: 164678
Ion Ratio Lower Upper
112 100
64 62.3 53.4 80.2
63 36.4 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 137.619 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038828.D

Acq: 26 Dec 2018 13:39

Instrument :

BNA_E

ClientSampleId :

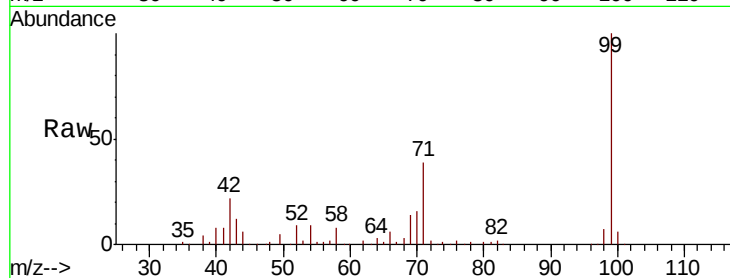
Tot Ion: 99 Resp: 239929

Ion Ratio Lower Upper

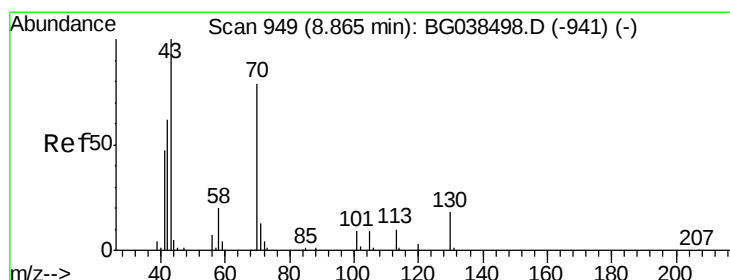
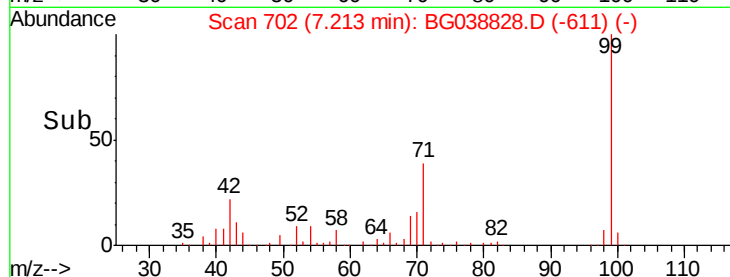
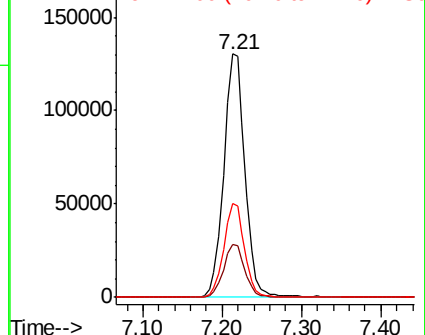
99 100

42 21.9 18.5 27.7

71 38.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.586 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038828.D

Acq: 26 Dec 2018 13:39

Tgt Ion: 70 Resp: 20309

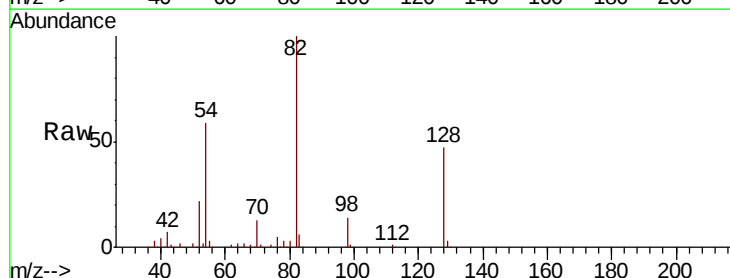
Ion Ratio Lower Upper

70 100

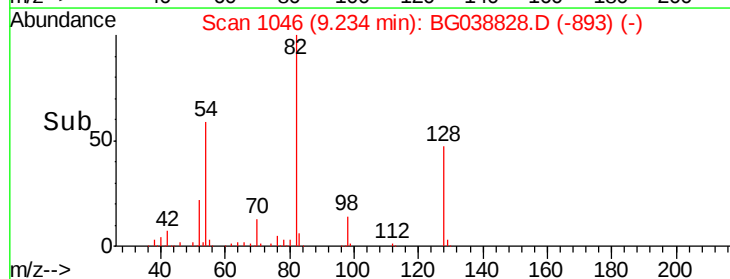
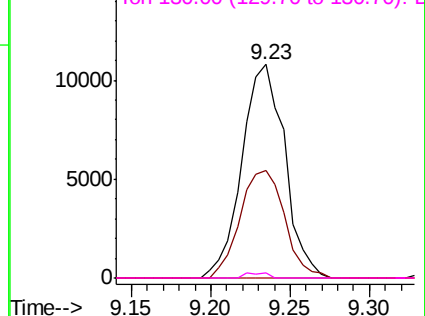
42 50.6 63.6 95.4#

101 0.0 9.2 13.8#

130 2.2 18.5 27.7#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

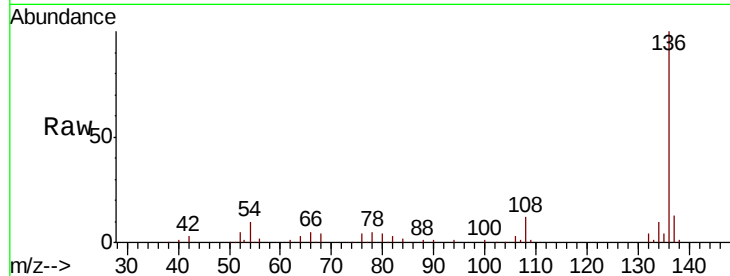




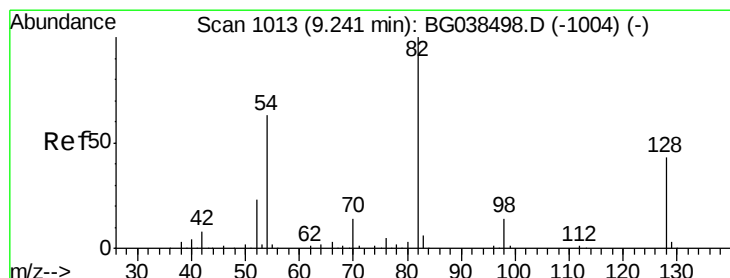
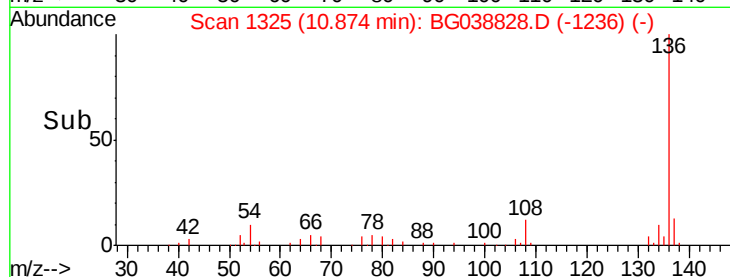
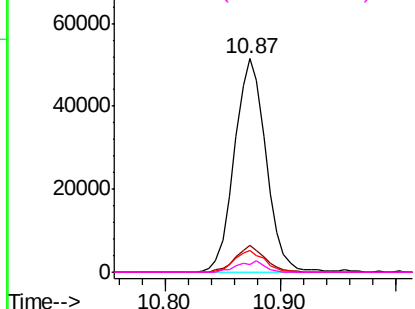
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038828.D
Acq: 26 Dec 2018 13:39

Instrument :
BNA_E
ClientSampleId :

Tot Ion:136	Resp:	97847
Ion	Ratio	Lower Upper
136	100	
137	12.8	9.3 13.9
54	10.3	8.5 12.7
68	3.8	3.5 5.3

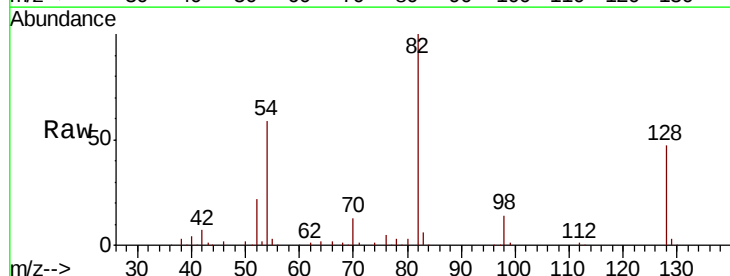


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

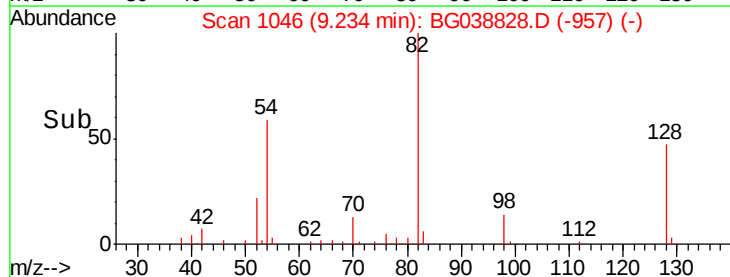
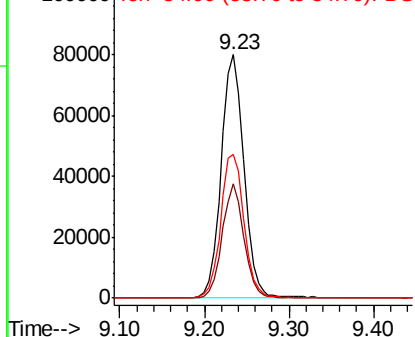


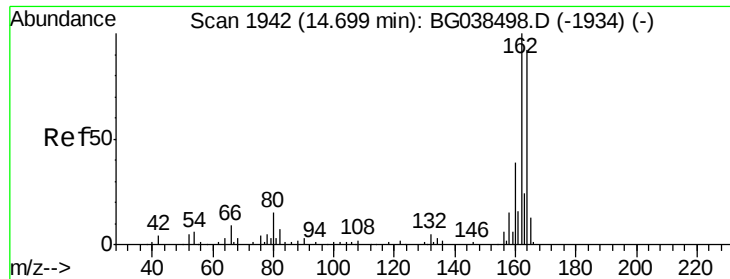
#23
Nitrobenzene-d5
Concen: 78.198 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038828.D
Acq: 26 Dec 2018 13:39

Tgt Ion: 82	Resp:	149772
Ion	Ratio	Lower Upper
82	100	
128	46.9	34.6 52.0
54	59.2	50.6 76.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038828.D

Acq: 26 Dec 2018 13:39

Instrument :

BNA_E

ClientSampleId :

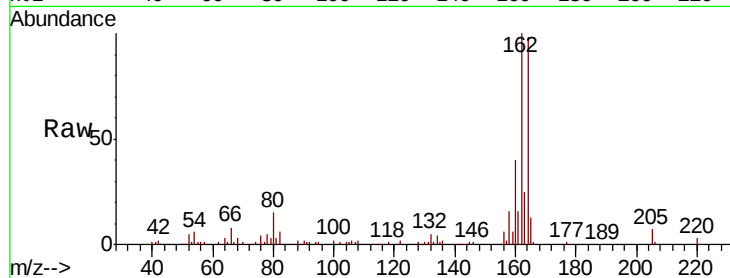
Tot Ion:164 Resp: 74577

Ion Ratio Lower Upper

164 100

162 101.8 86.6 130.0

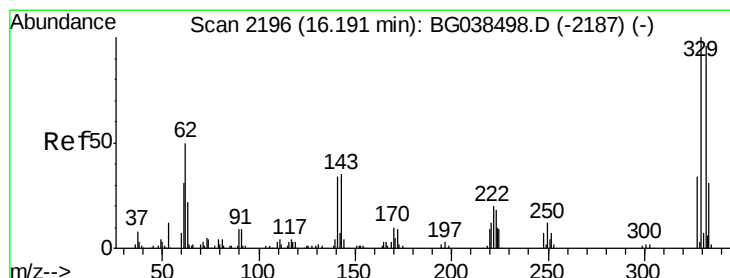
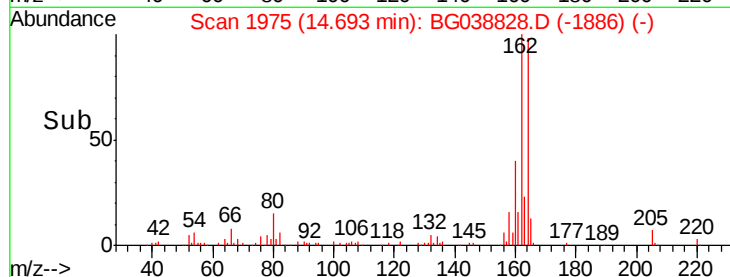
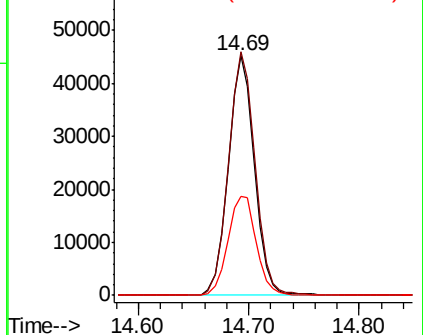
160 41.1 34.2 51.2



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



#42

2,4,6-Tribromophenol

Concen: 159.066 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038828.D

Acq: 26 Dec 2018 13:39

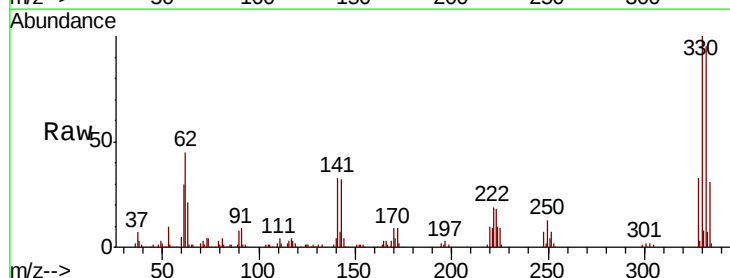
Tgt Ion:330 Resp: 163489

Ion Ratio Lower Upper

330 100

332 94.7 76.9 115.3

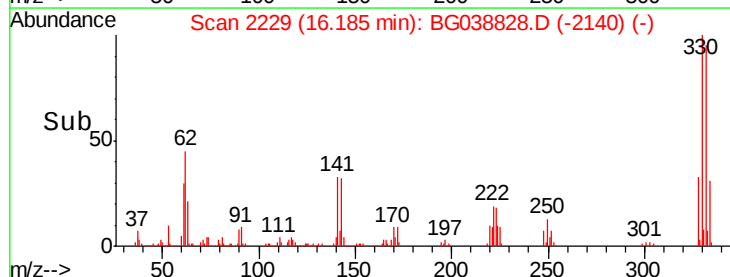
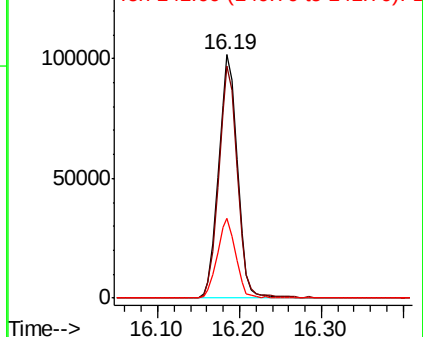
141 32.2 28.8 43.2

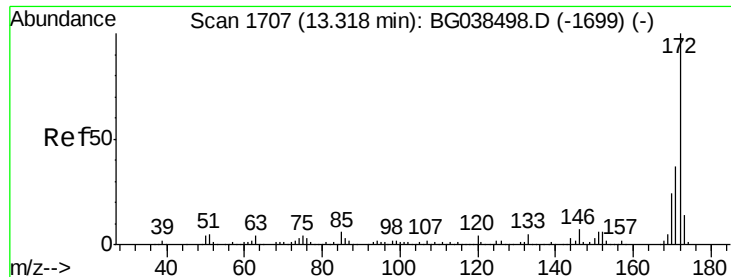


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

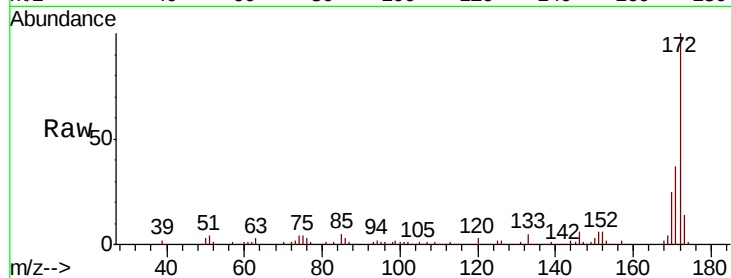




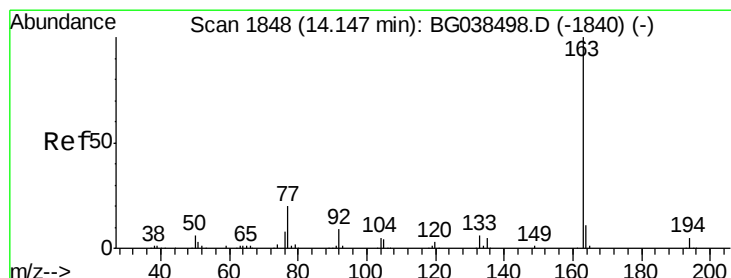
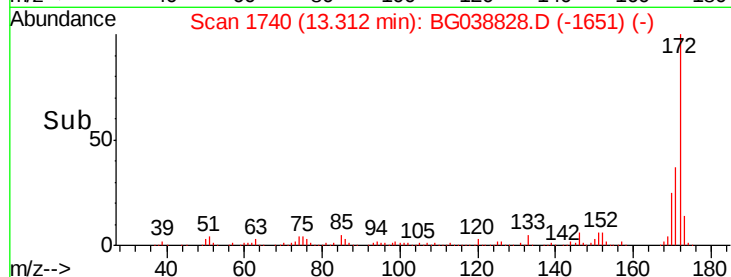
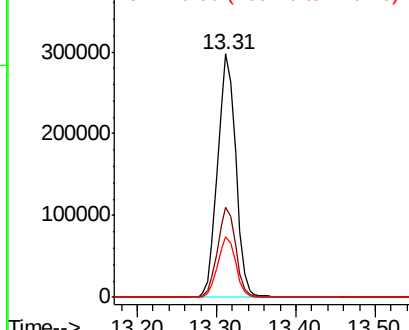
#45
2-Fluorobiphenyl
Concen: 87.221 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG038828.D
Acq: 26 Dec 2018 13:39

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 474156
Ion Ratio Lower Upper
172 100
171 36.9 29.8 44.6
170 24.8 19.5 29.3

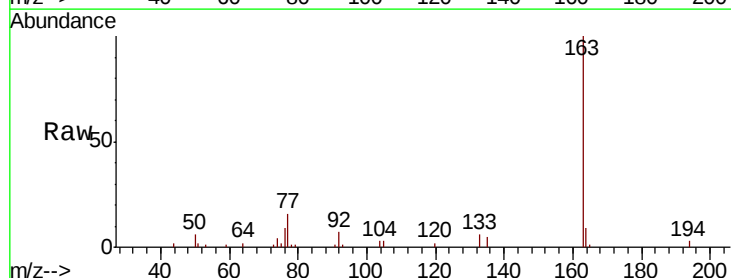


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

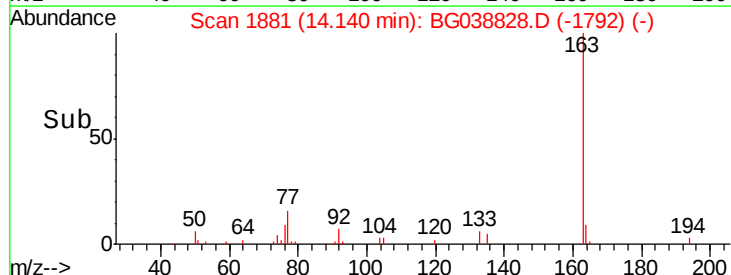
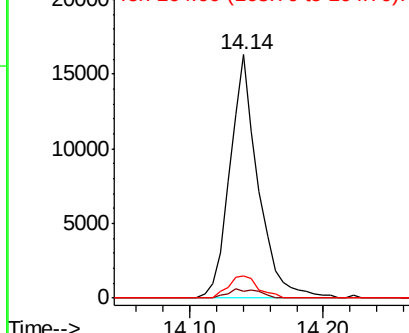


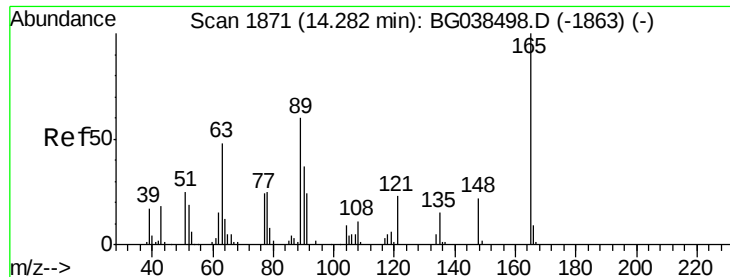
#50
Dimethylphthalate
Concen: 3.972 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BG038828.D
Acq: 26 Dec 2018 13:39

Tgt Ion:163 Resp: 24192
Ion Ratio Lower Upper
163 100
194 2.9 3.7 5.5#
164 9.2 8.6 12.8



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

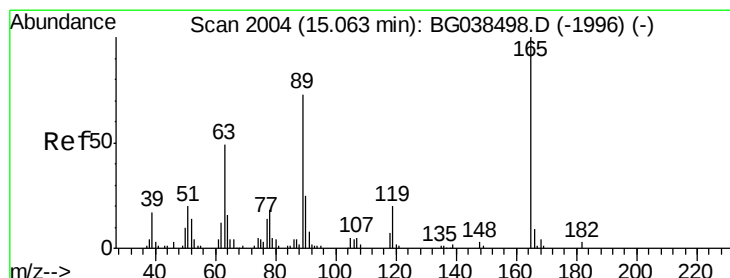
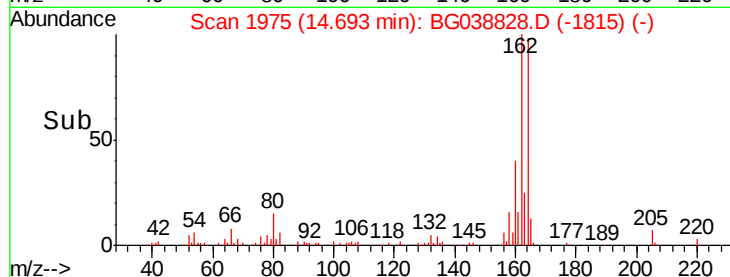
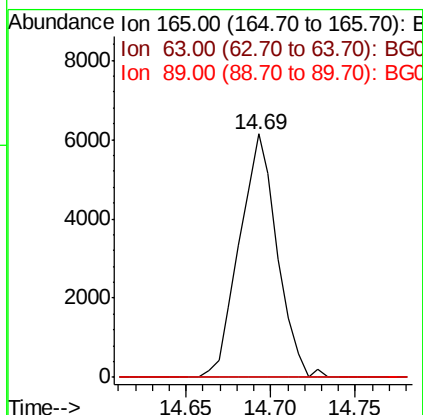
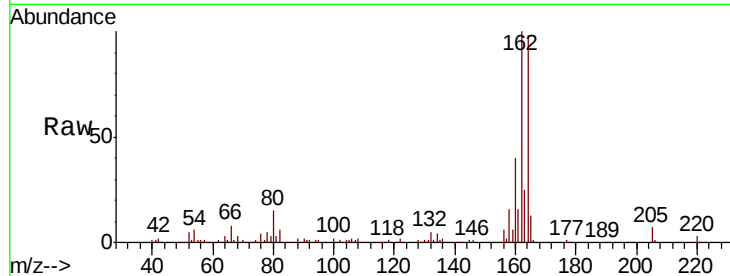




#51
 2,6-Dinitrotoluene
 Concen: 6.893 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038828.D
 Acq: 26 Dec 2018 13:39

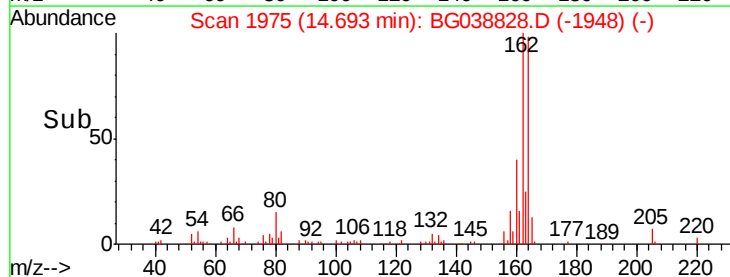
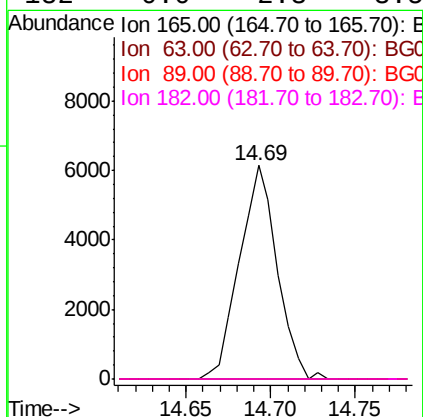
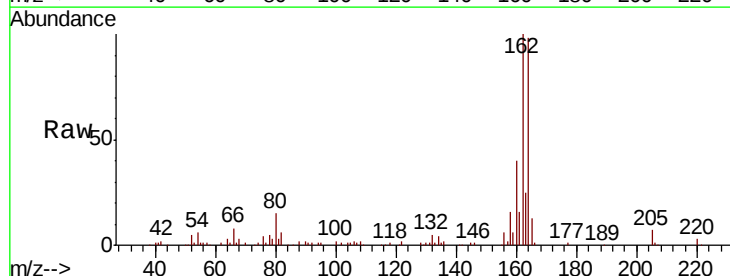
Instrument :
 BNA_E
 ClientSampleId :

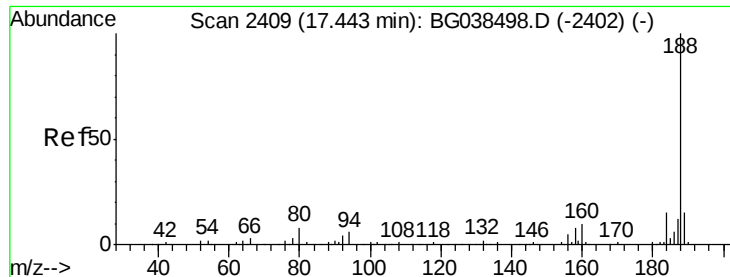
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#



#57
 2,4-Dinitrotoluene
 Concen: 4.894 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038828.D
 Acq: 26 Dec 2018 13:39

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

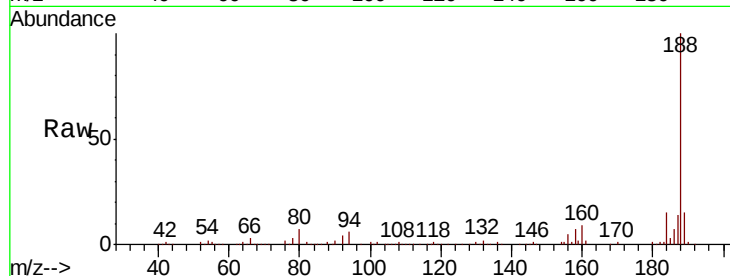




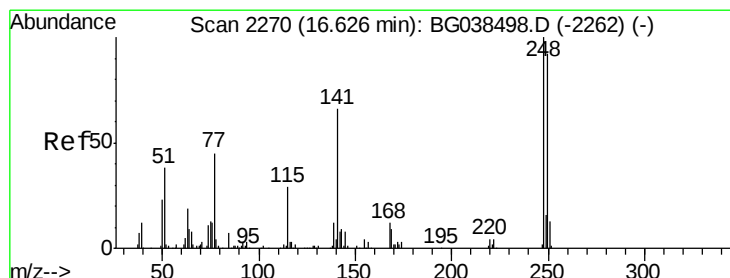
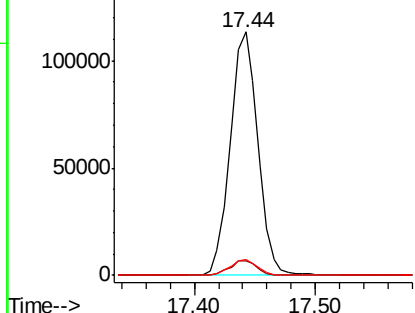
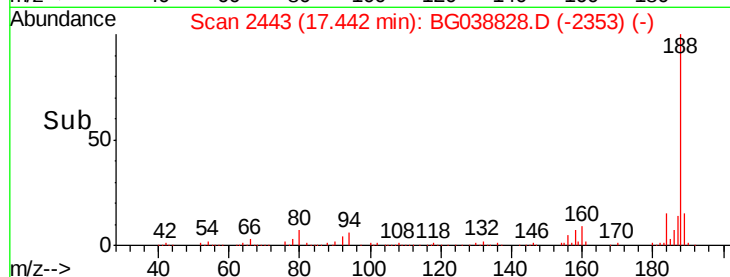
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038828.D
 Acq: 26 Dec 2018 13:39

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:188 Resp: 180764
 Ion Ratio Lower Upper
 188 100
 94 6.0 5.1 7.7
 80 6.6 6.1 9.1

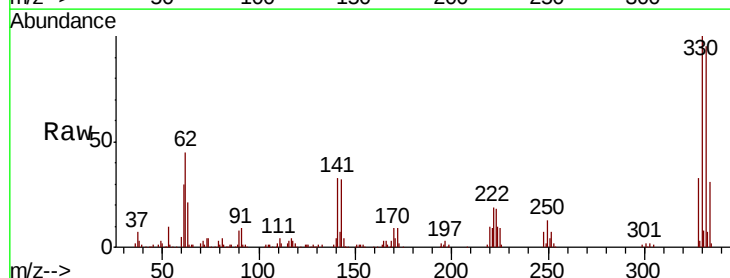


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

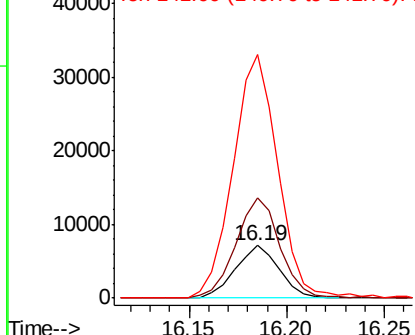
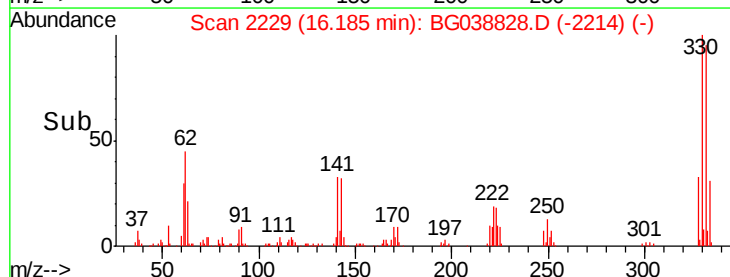


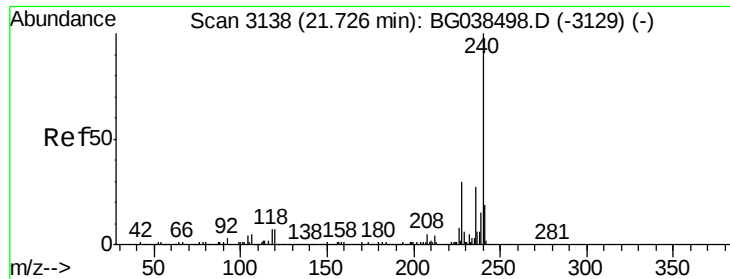
#67
 4-Bromophenyl-phenylether
 Concen: 4.959 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038828.D
 Acq: 26 Dec 2018 13:39

Tgt Ion:248 Resp: 10947
 Ion Ratio Lower Upper
 248 100
 250 149.6 73.4 110.2#
 141 362.5 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

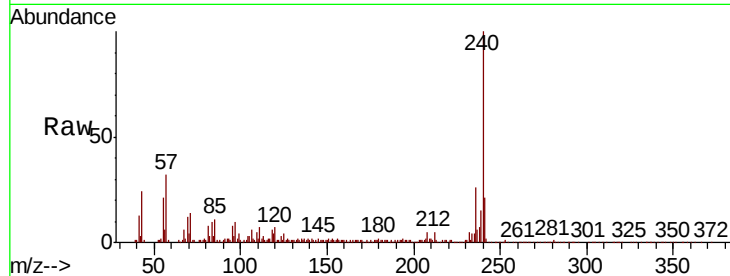




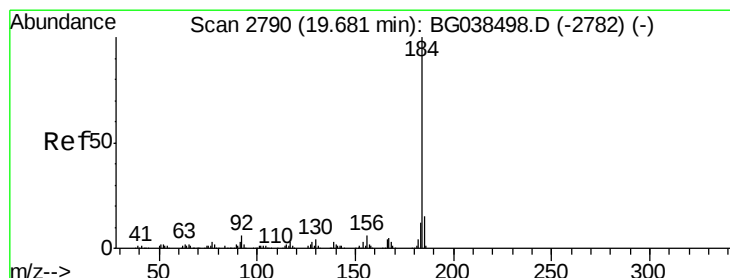
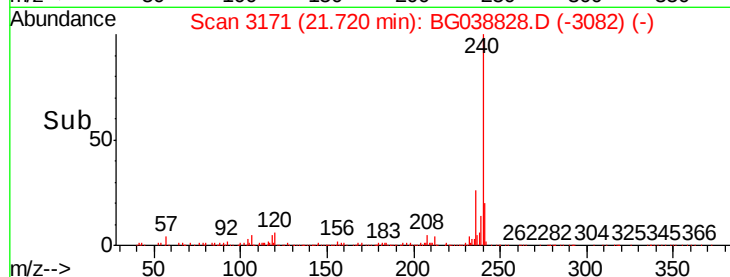
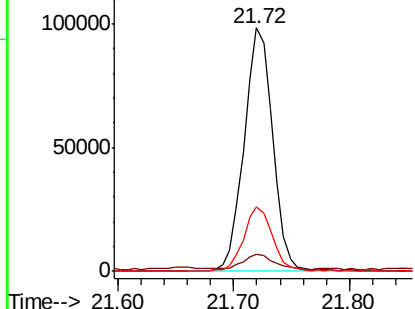
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038828.D
Acq: 26 Dec 2018 13:39

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 169366
Ion Ratio Lower Upper
240 100
120 7.1 5.3 7.9
236 26.5 21.4 32.2

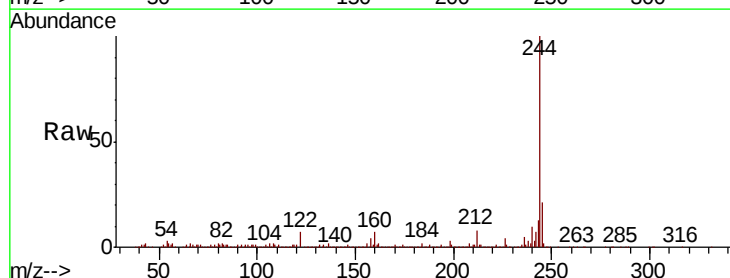


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

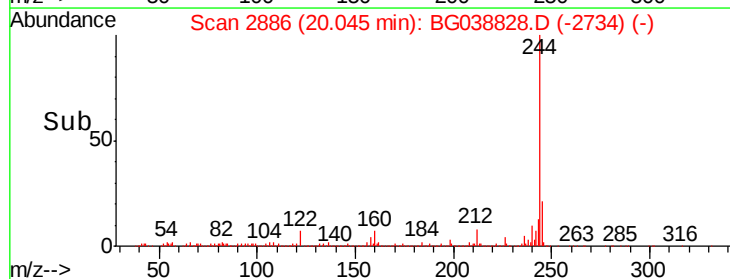
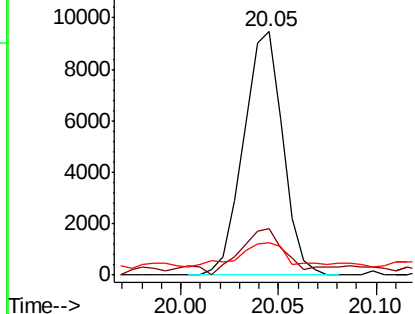


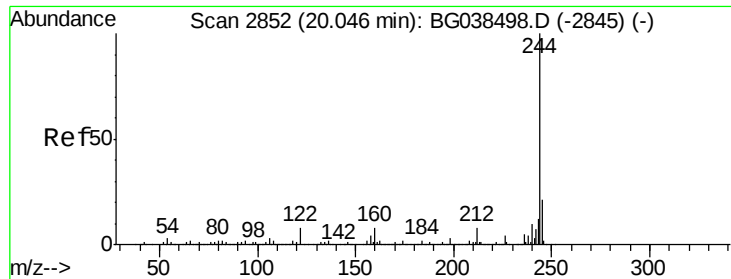
#77
Benzidine
Concen: 2.630 ng
RT: 20.05 min Scan# 2886
Delta R.T. 0.36 min
Lab File: BG038828.D
Acq: 26 Dec 2018 13:39

Tgt Ion:184 Resp: 13172
Ion Ratio Lower Upper
184 100
185 18.9 12.2 18.2#
183 13.5 9.6 14.4



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





#79

Terphenyl-d14

Concen: 98.741 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038828.D

Acq: 26 Dec 2018 13:39

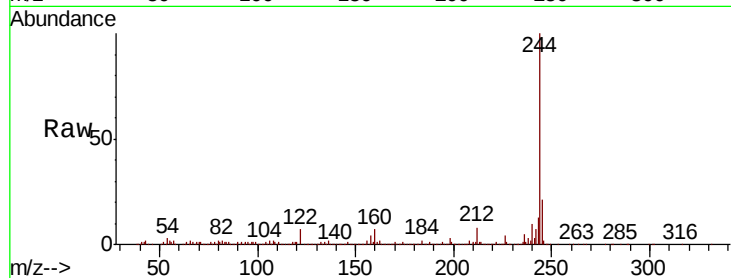
Instrument :

BNA_E

ClientSampleId :

Tot Ion:244 Resp: 768423

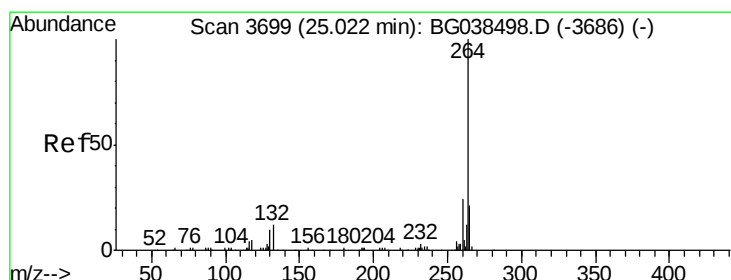
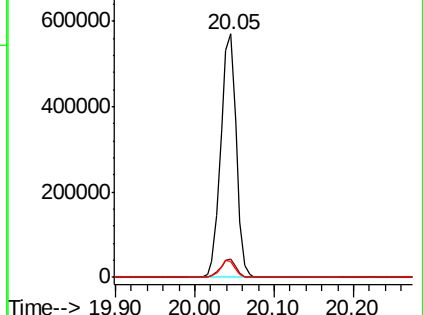
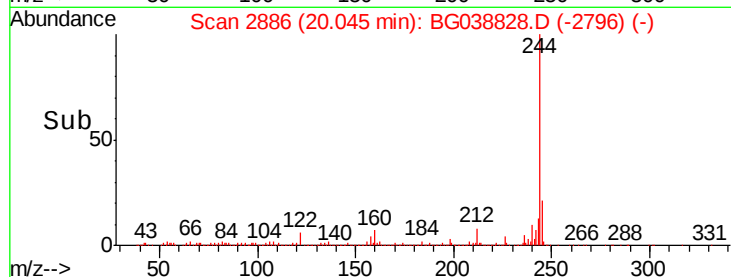
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	6.5	6.3	9.5



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# 3733

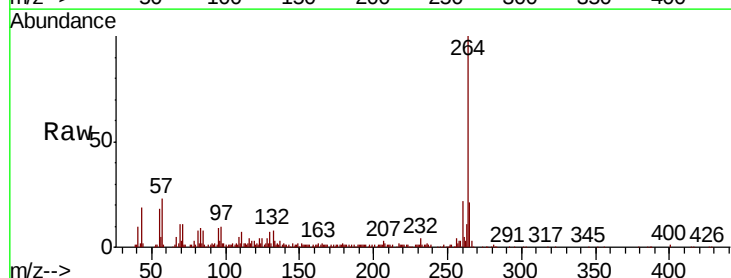
Delta R.T. -0.00 min

Lab File: BG038828.D

Acq: 26 Dec 2018 13:39

Tgt Ion:264 Resp: 180957

Ion	Ratio	Lower	Upper
264	100		
260	22.2	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

