

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122618\
 Data File : BG038827.D
 Acq On : 26 Dec 2018 13:00
 Operator : JU/SJ
 Sample : J6548-19
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 26 14:31:04 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

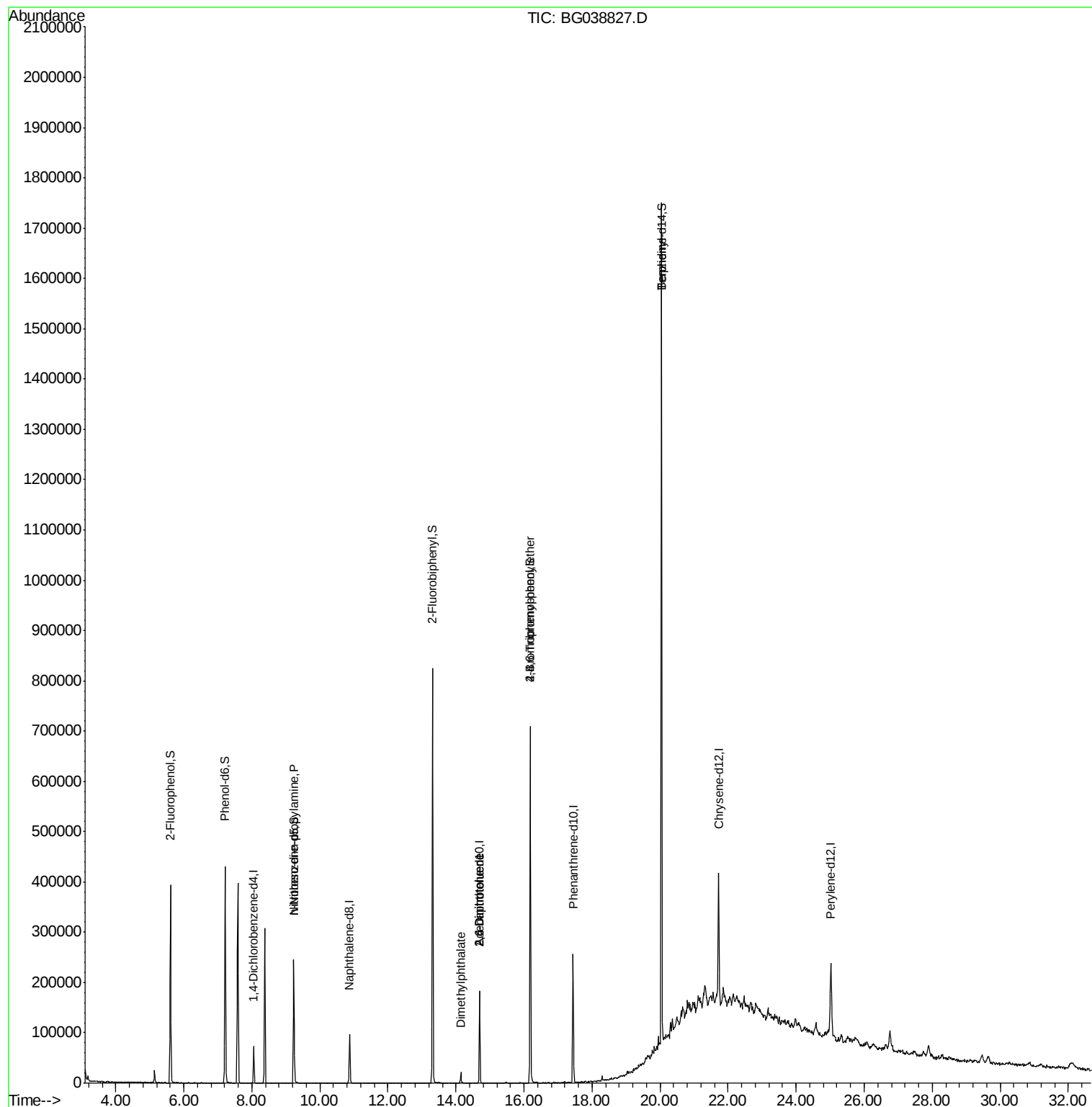
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	21537	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	91832	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	68535	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	176372	20.00	ng	0.00
76) Chrysene-d12	21.72	240	166252	20.00	ng	0.00
87) Perylene-d12	25.02	264	181160	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	172528	142.08	ng	0.00
7) Phenol-d6	7.22	99	244961	146.95	ng	0.00
23) Nitrobenzene-d5	9.23	82	150850	83.92	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	158790	168.11	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	468031	93.68	ng	0.00
79) Terphenyl-d14	20.04	244	825008	108.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	19905	17.001	ng	# 63
50) Dimethylphthalate	14.14	163	20022	3.577	ng	# 97
51) 2,6-Dinitrotoluene	14.69	165	9060	7.143	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	9060	5.072	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	10531	4.889	ng	# 1
77) Benzidine	20.04	184	14050	2.858	ng	# 94

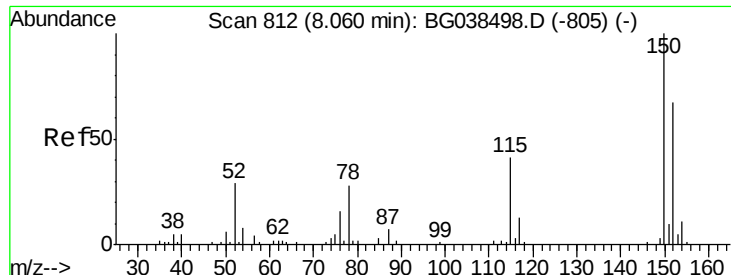
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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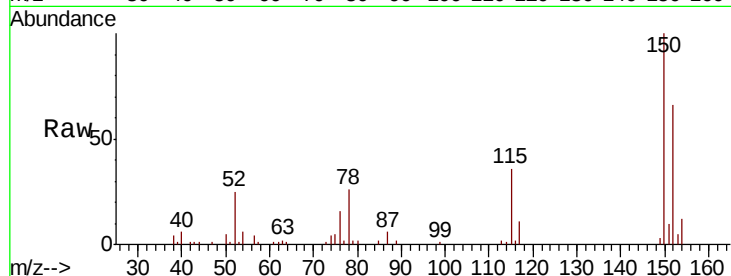


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG038827.D
Acq: 26 Dec 2018 13:00

Instrument :
BNA_E
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	119.5	179.3
115	54.9	49.6	74.4

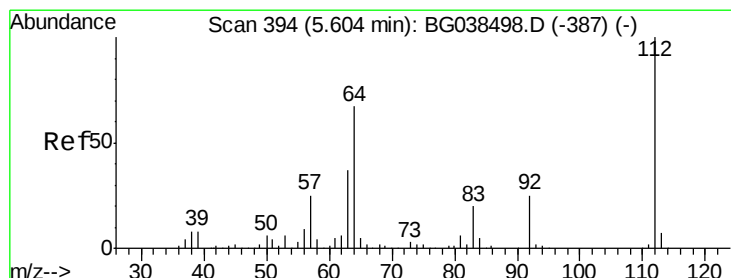
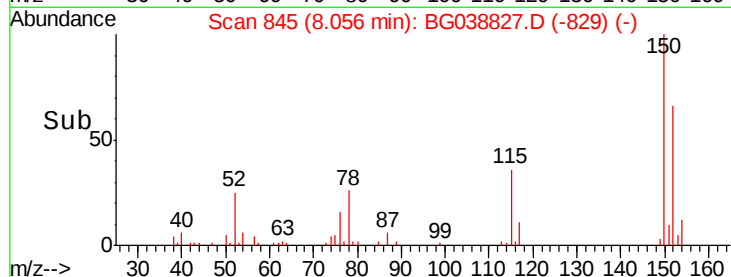
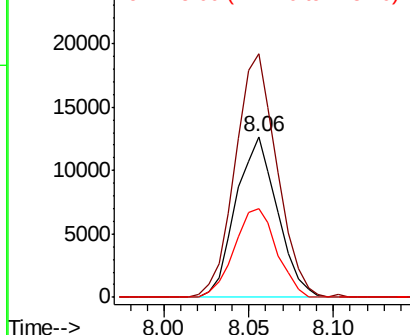


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

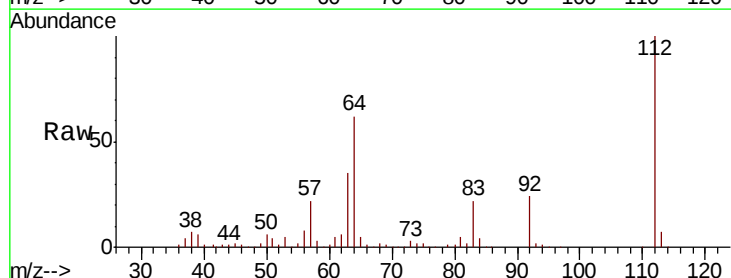
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 142.083 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038827.D
Acq: 26 Dec 2018 13:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	53.4	80.2
63	35.3	29.3	43.9

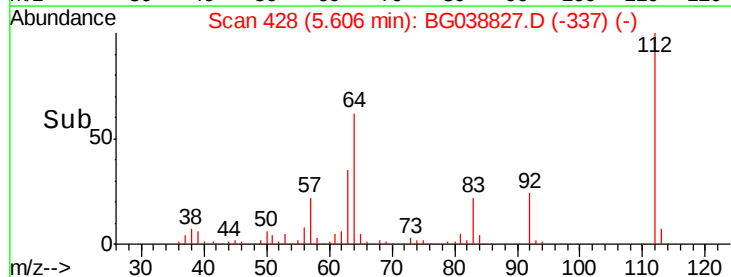
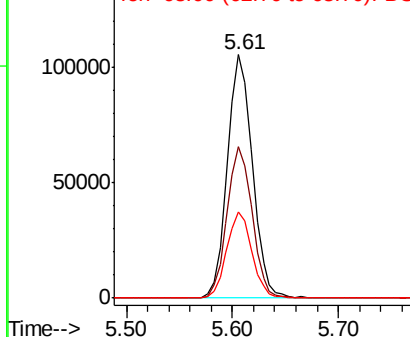


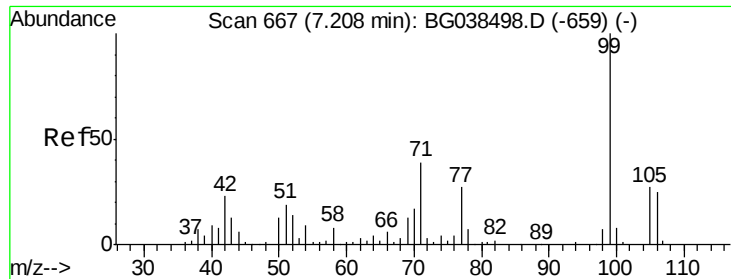
Abundance

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: 146.950 ng

RT: 7.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038827.D

Acq: 26 Dec 2018 13:00

Instrument :

BNA_E

ClientSampleId :

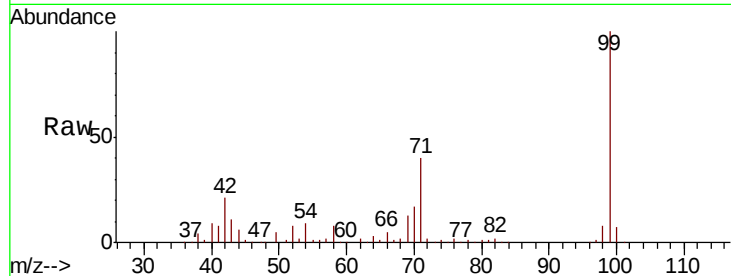
Tot Ion: 99 Resp: 244961

Ion Ratio Lower Upper

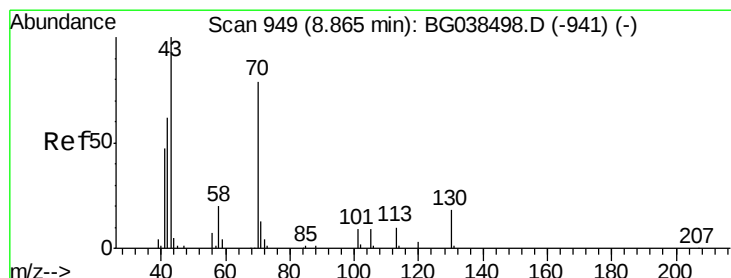
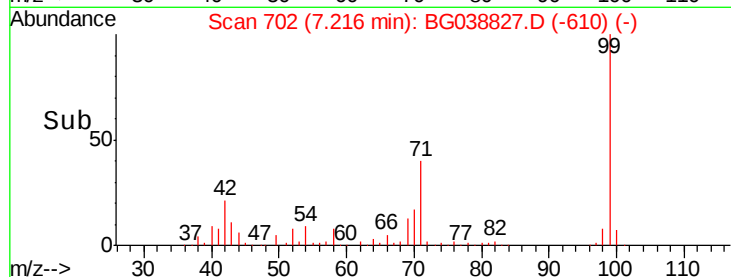
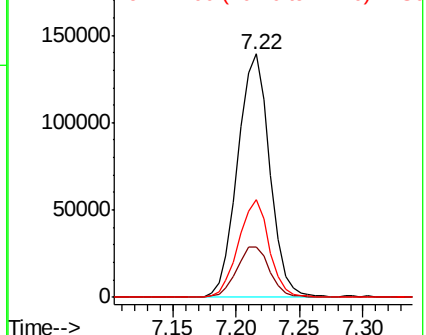
99 100

42 20.8 18.5 27.7

71 40.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 17.001 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.37 min

Lab File: BG038827.D

Acq: 26 Dec 2018 13:00

Tgt Ion: 70 Resp: 19905

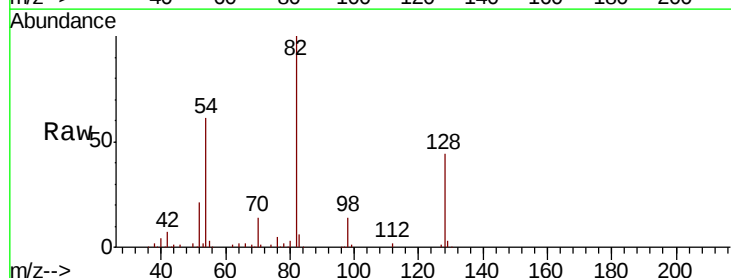
Ion Ratio Lower Upper

70 100

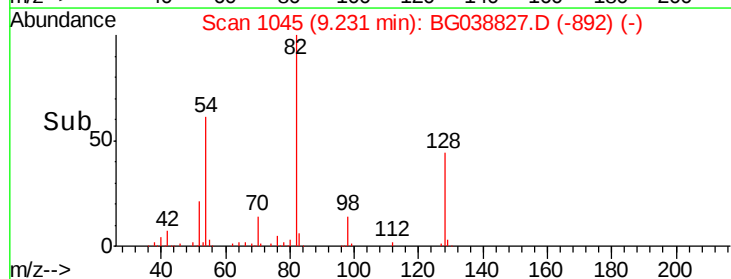
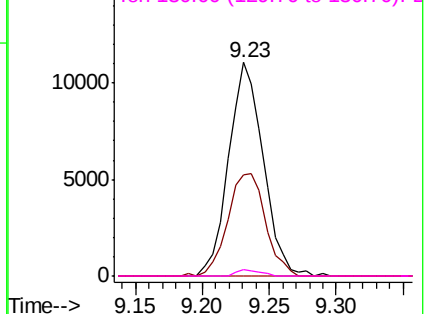
42 47.4 63.6 95.4#

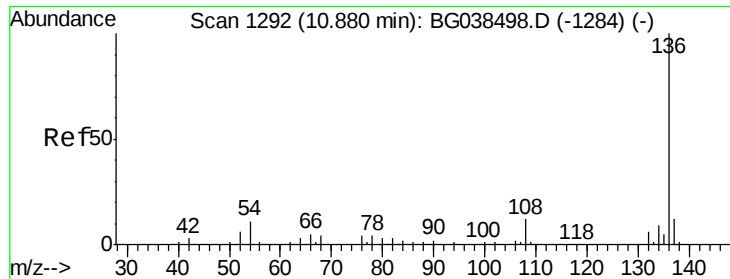
101 0.0 9.2 13.8#

130 3.0 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

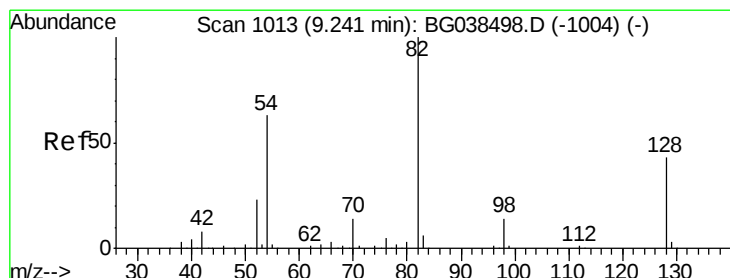
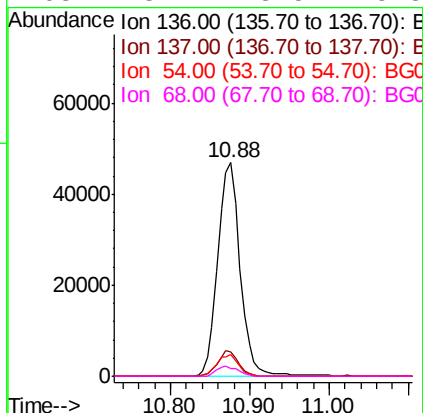
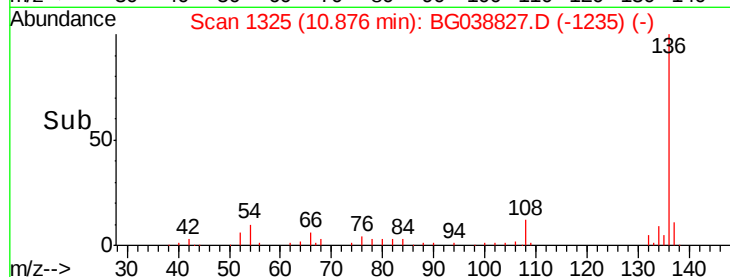
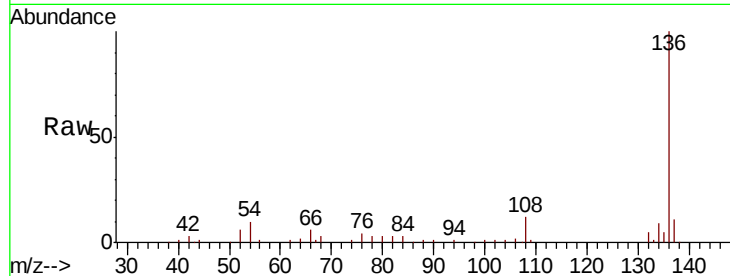




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG038827.D
Acq: 26 Dec 2018 13:00

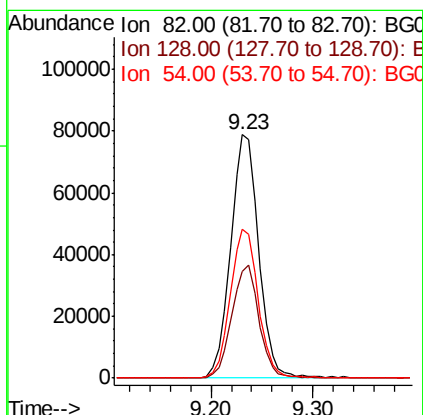
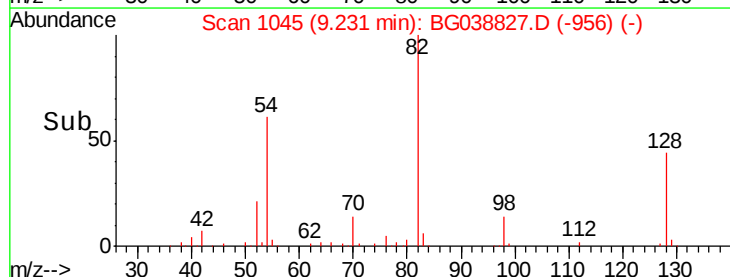
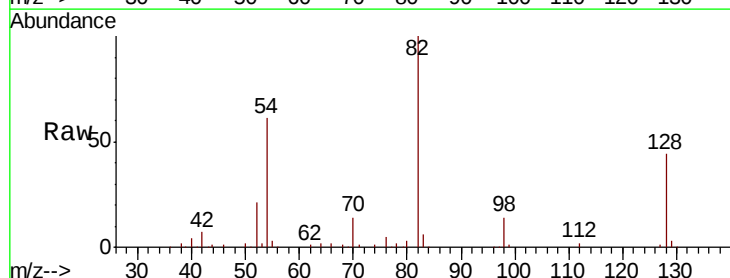
Instrument :
BNA_E
ClientSampleId :

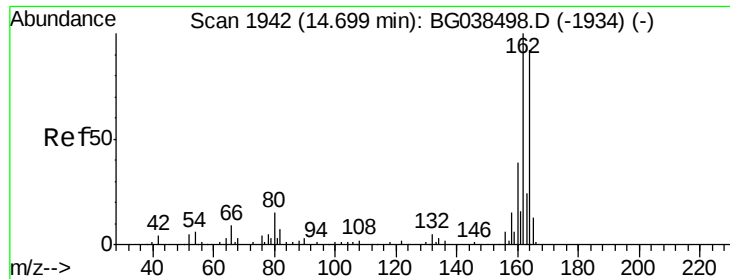
Tot Ion:136	Resp:	91832
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.3 13.9
54	10.1	8.5 12.7
68	3.4	3.5 5.3#



#23
Nitrobenzene-d5
Concen: 83.919 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG038827.D
Acq: 26 Dec 2018 13:00

Tgt Ion: 82	Resp:	150850
Ion Ratio	Lower	Upper
82	100	
128	43.7	34.6 52.0
54	61.0	50.6 76.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG038827.D

Acq: 26 Dec 2018 13:00

Instrument :

BNA_E

ClientSampleId :

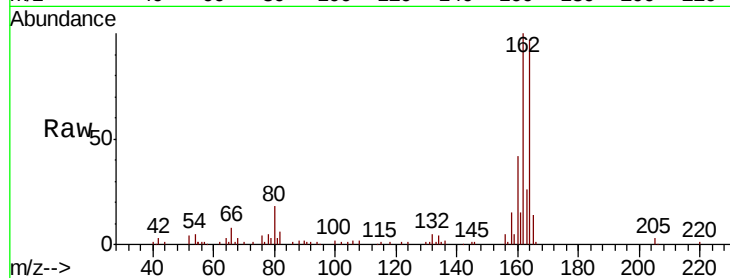
Tot Ion:164 Resp: 68535

Ion Ratio Lower Upper

164 100

162 103.0 86.6 130.0

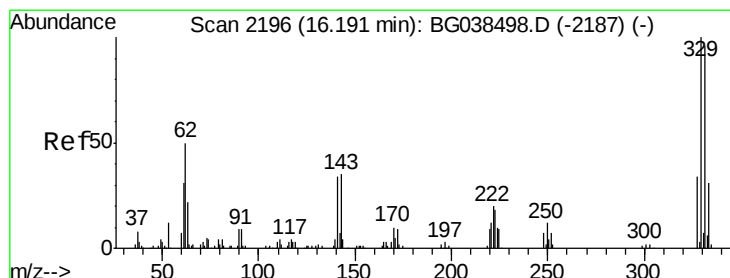
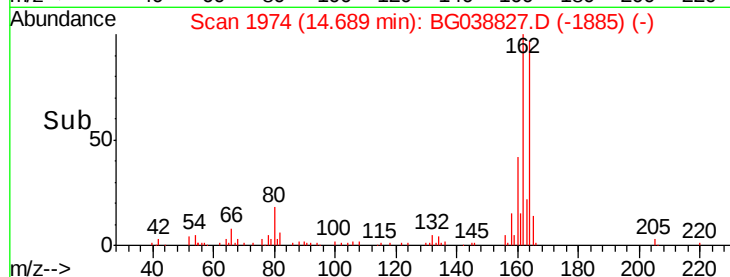
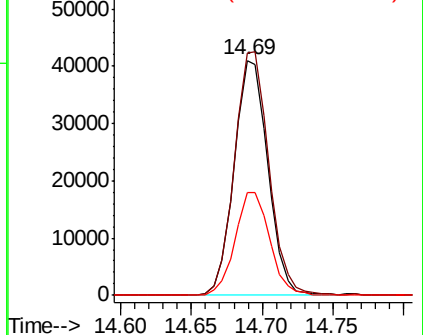
160 43.7 34.2 51.2



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: 168.114 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038827.D

Acq: 26 Dec 2018 13:00

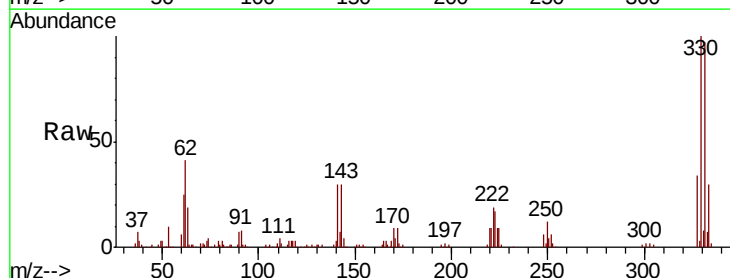
Tgt Ion:330 Resp: 158790

Ion Ratio Lower Upper

330 100

332 97.1 76.9 115.3

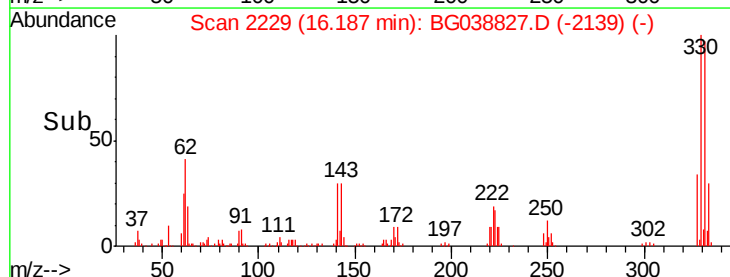
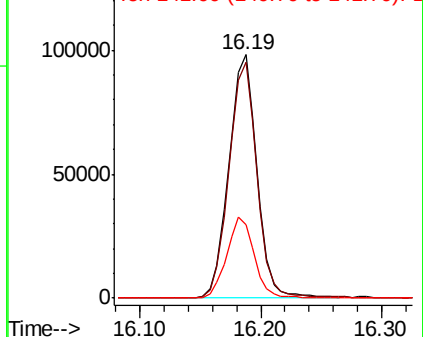
141 32.7 28.8 43.2

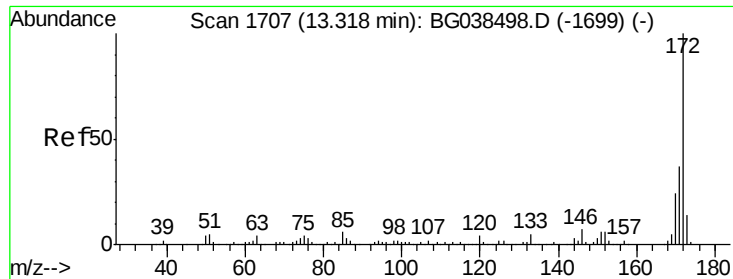


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

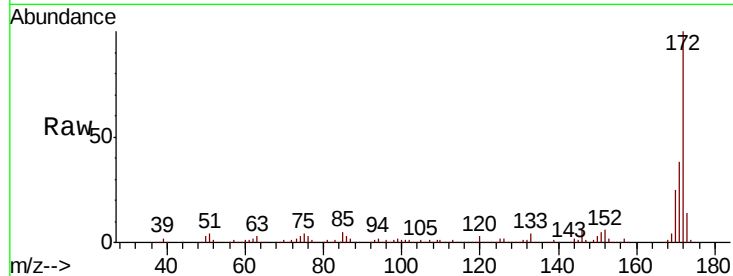




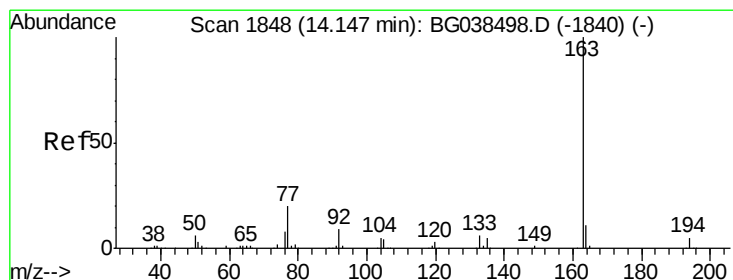
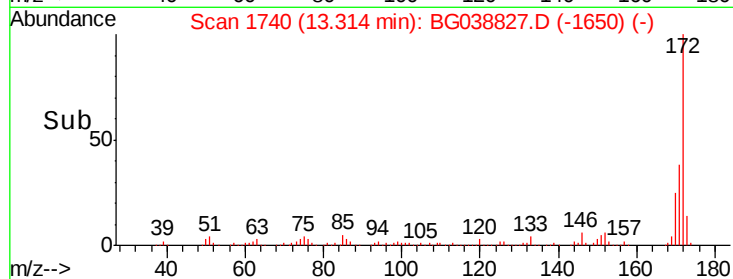
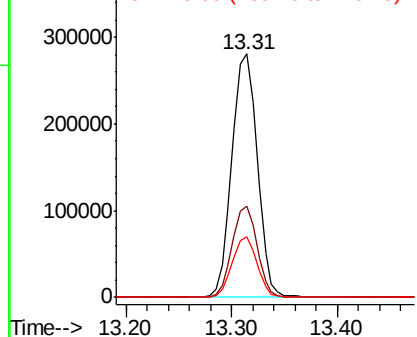
#45
2-Fluorobiphenyl
Concen: 93.685 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.00 min
Lab File: BG038827.D
Acq: 26 Dec 2018 13:00

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 468031
Ion Ratio Lower Upper
172 100
171 37.5 29.8 44.6
170 24.8 19.5 29.3

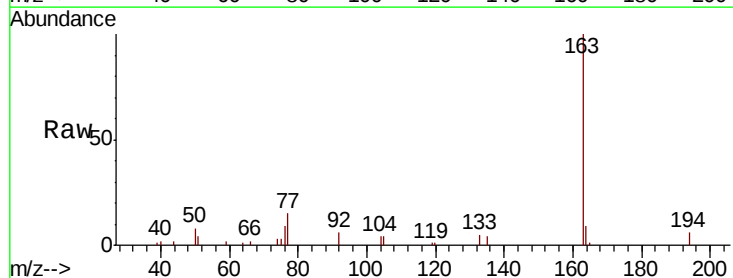


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

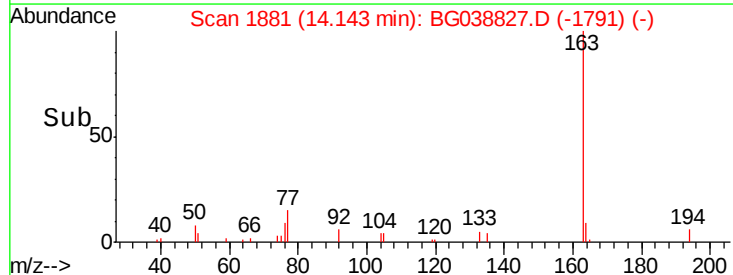
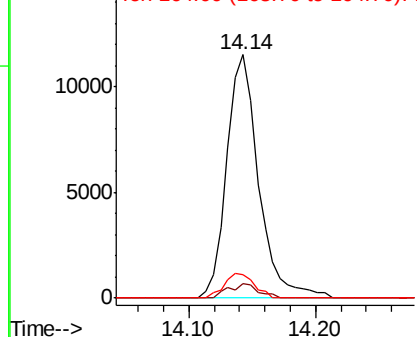


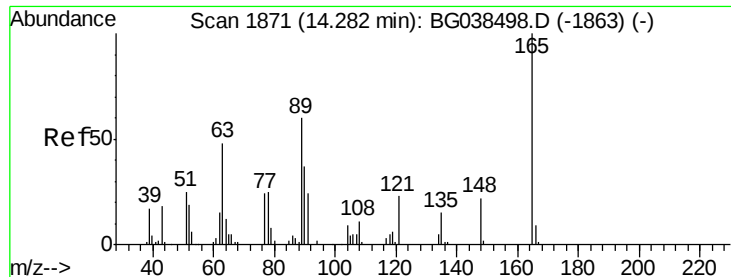
#50
Dimethylphthalate
Concen: 3.577 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BG038827.D
Acq: 26 Dec 2018 13:00

Tgt Ion:163 Resp: 20022
Ion Ratio Lower Upper
163 100
194 5.9 3.7 5.5#
164 9.5 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

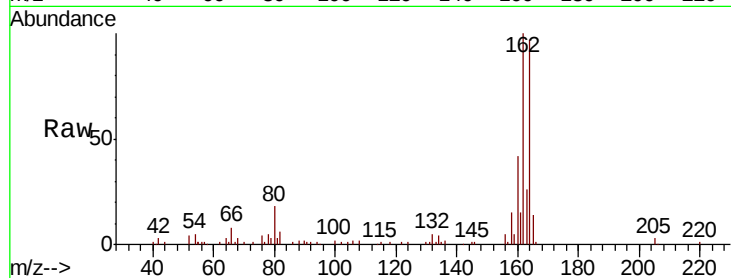




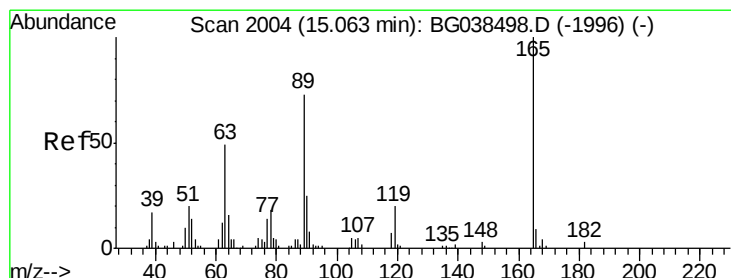
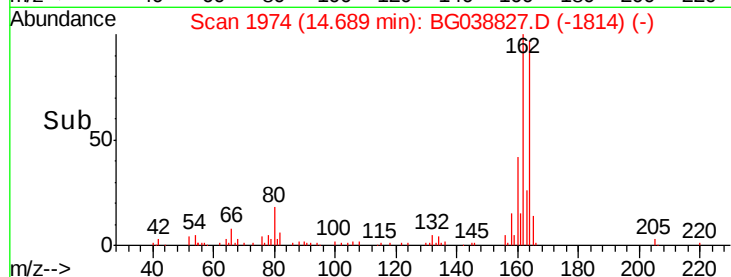
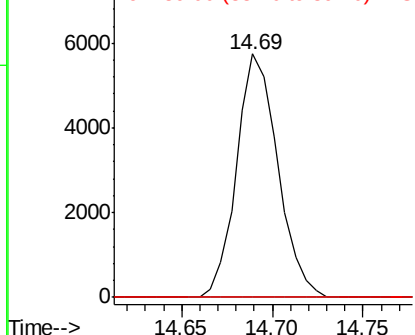
#51
2,6-Dinitrotoluene
Concen: 7.143 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.41 min
Lab File: BG038827.D
Acq: 26 Dec 2018 13:00

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#



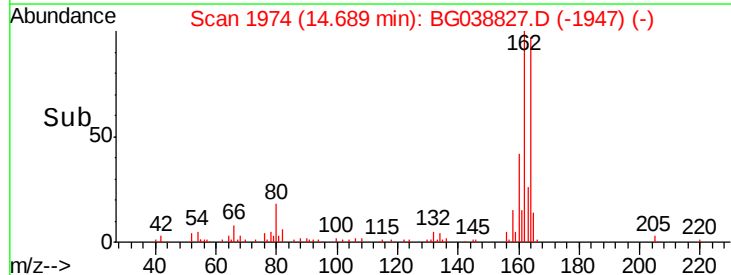
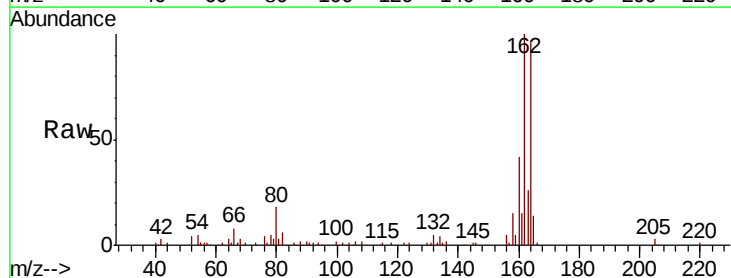
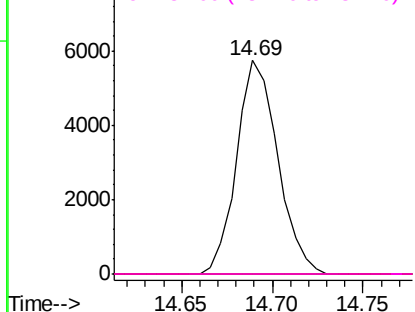
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

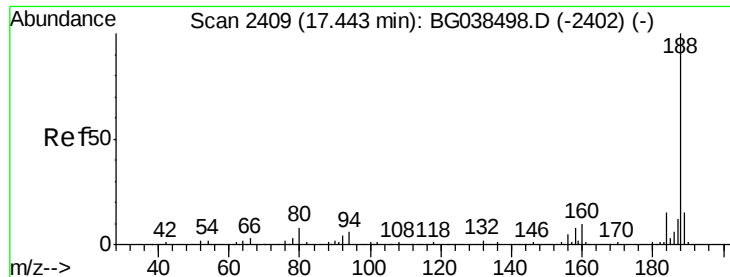


#57
2,4-Dinitrotoluene
Concen: 5.072 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.37 min
Lab File: BG038827.D
Acq: 26 Dec 2018 13:00

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#

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

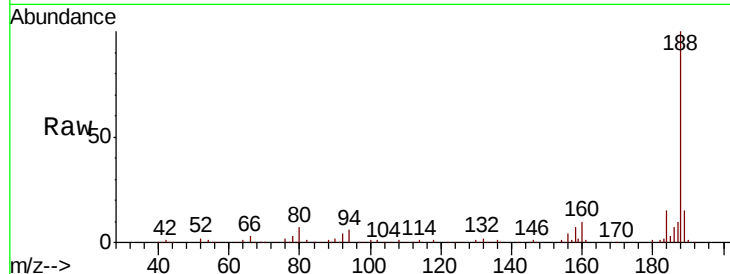




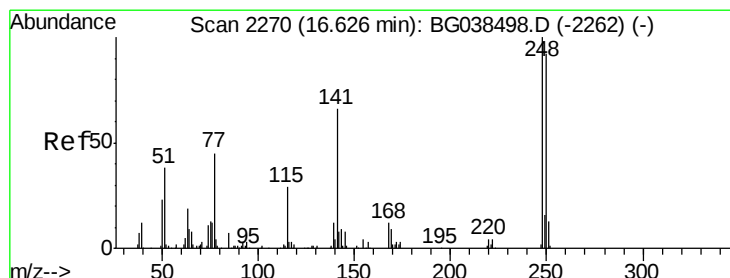
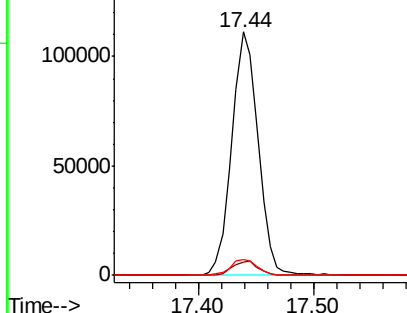
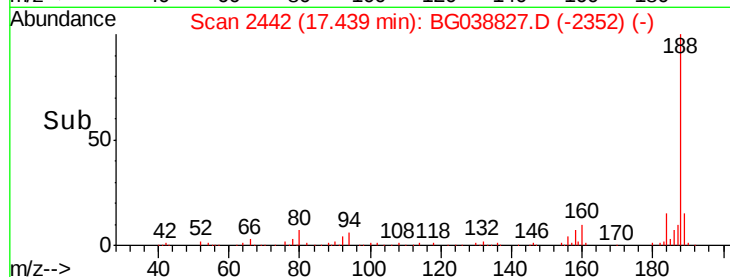
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BG038827.D
 Acq: 26 Dec 2018 13:00

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:188 Resp: 176372
 Ion Ratio Lower Upper
 188 100
 94 5.7 5.1 7.7
 80 6.5 6.1 9.1

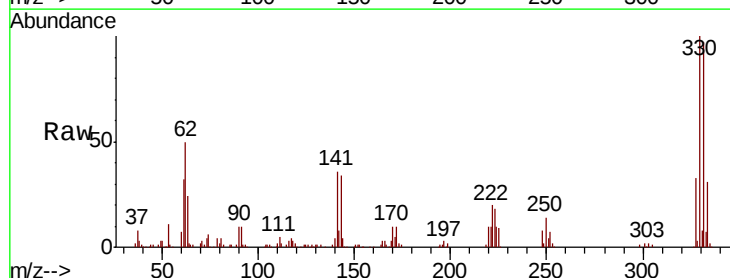


Abundance Ion 188.00 (187.70 to 188.70): E
 150000 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

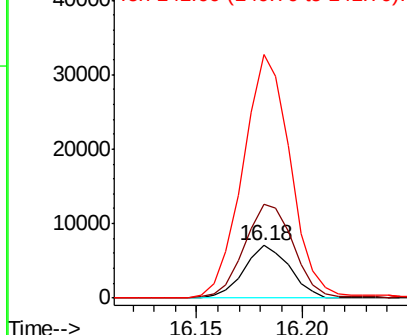
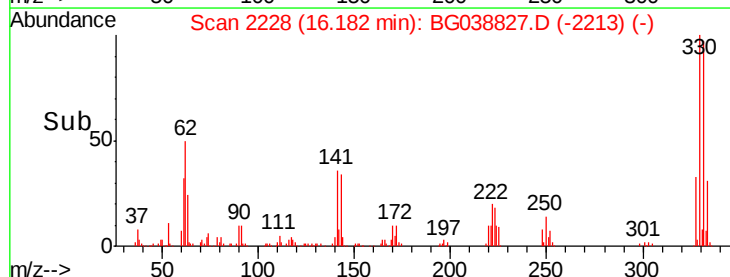


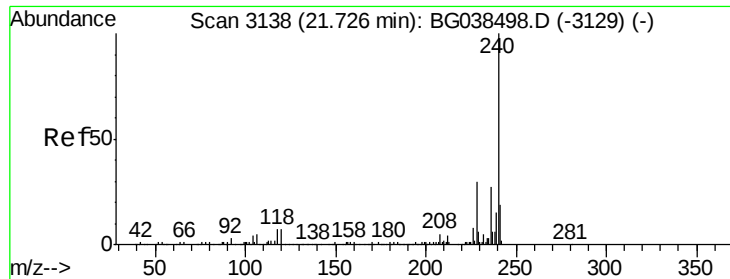
#67
 4-Bromophenyl-phenylether
 Concen: 4.889 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.44 min
 Lab File: BG038827.D
 Acq: 26 Dec 2018 13:00

Tgt Ion:248 Resp: 10531
 Ion Ratio Lower Upper
 248 100
 250 185.7 73.4 110.2#
 141 367.7 52.9 79.3#



Abundance Ion 248.00 (247.70 to 248.70): E
 40000 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

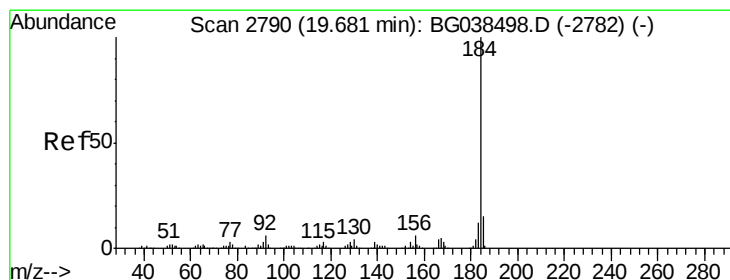
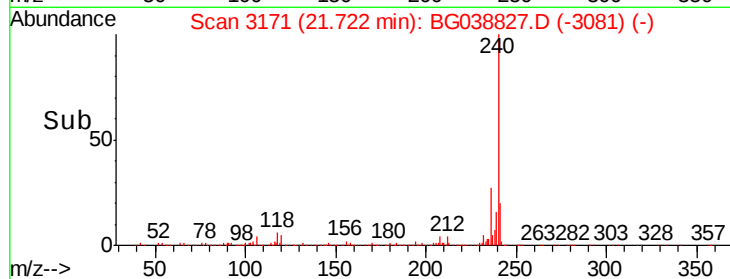
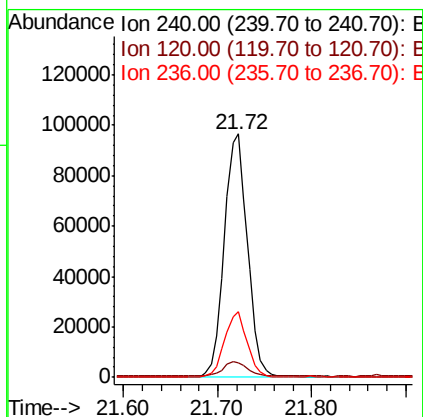
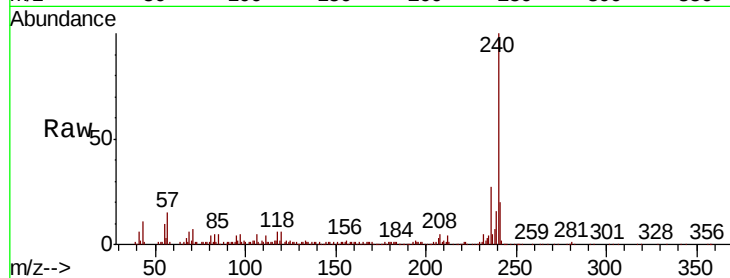




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.00 min
 Lab File: BG038827.D
 Acq: 26 Dec 2018 13:00

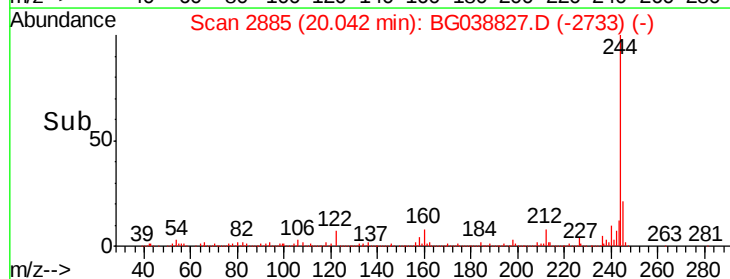
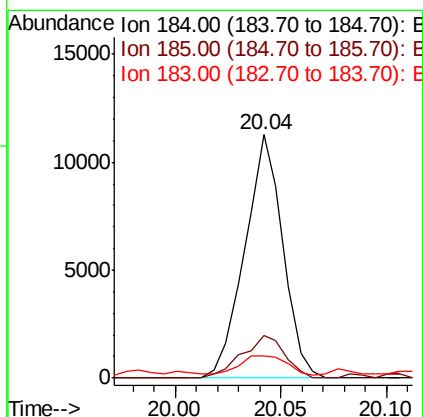
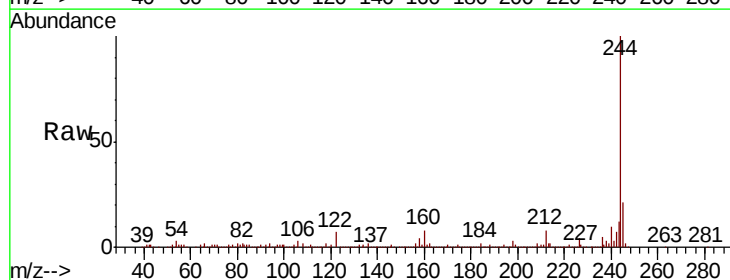
Instrument :
 BNA_E
 ClientSampleId :

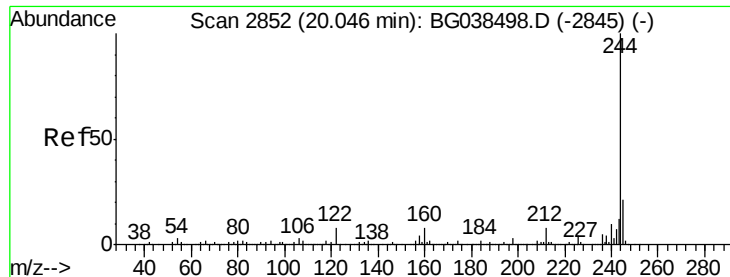
Tot Ion:240 Resp: 166252
 Ion Ratio Lower Upper
 240 100
 120 5.9 5.3 7.9
 236 27.1 21.4 32.2



#77
 Benzidine
 Concen: 2.858 ng
 RT: 20.04 min Scan# 2885
 Delta R.T. 0.36 min
 Lab File: BG038827.D
 Acq: 26 Dec 2018 13:00

Tgt Ion:184 Resp: 14050
 Ion Ratio Lower Upper
 184 100
 185 17.6 12.2 18.2
 183 9.2 9.6 14.4#





#79

Terphenyl-d14

Concen: 107.998 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038827.D

Acq: 26 Dec 2018 13:00

Instrument :

BNA_E

ClientSampleId :

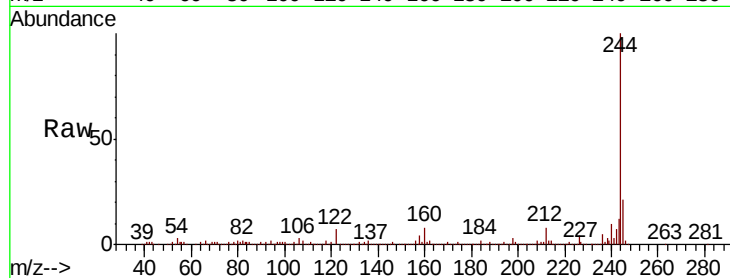
Tot Ion:244 Resp: 825008

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

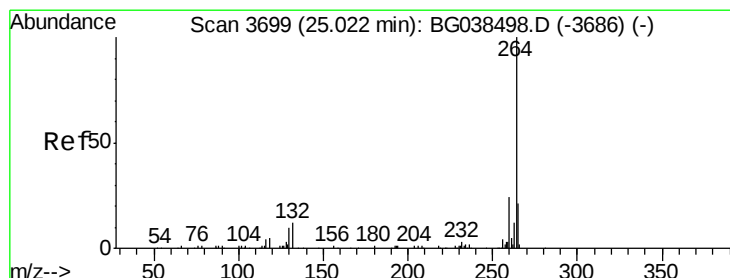
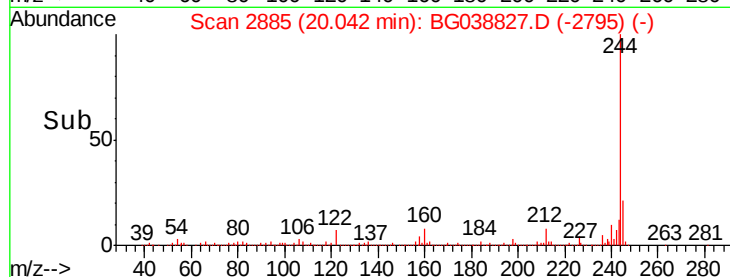
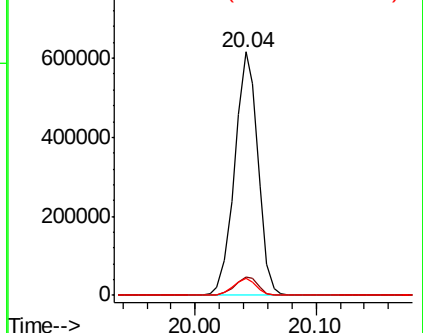
122 6.9 6.3 9.5



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. -0.00 min

Lab File: BG038827.D

Acq: 26 Dec 2018 13:00

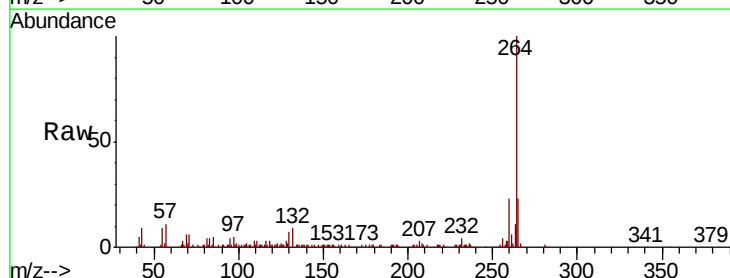
Tgt Ion:264 Resp: 181160

Ion Ratio Lower Upper

264 100

260 22.7 18.9 28.3

265 22.7 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

