

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
 Data File : BG038561.D
 Acq On : 14 Dec 2018 9:47
 Operator : JU/SJ
 Sample : J6344-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 10:26:23 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

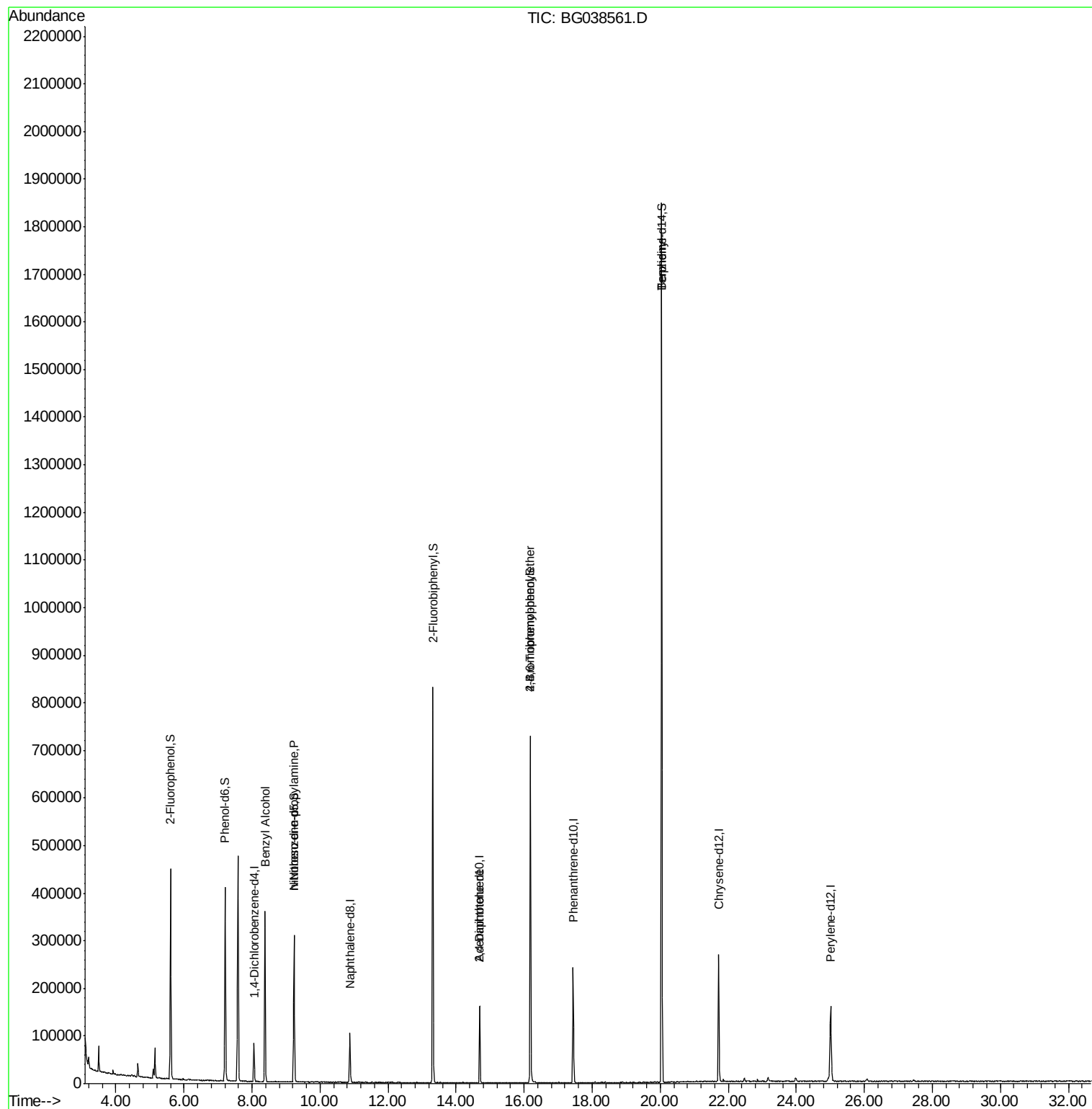
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22592	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	91398	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	61574	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	157846	20.00	ng	0.00
76) Chrysene-d12	21.72	240	168740	20.00	ng	0.00
87) Perylene-d12	25.01	264	181452	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	186378	146.32	ng	0.00
7) Phenol-d6	7.21	99	227267	129.97	ng	0.00
23) Nitrobenzene-d5	9.24	82	188802	105.53	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	142626	168.07	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	439265	97.87	ng	0.00
79) Terphenyl-d14	20.04	244	897015	115.69	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	2842	2.082	ng	# 35
19) n-Nitroso-di-n-propylamine	9.23	70	25204	20.522	ng	# 72
57) 2,4-Dinitrotoluene	14.69	165	7585	4.726	ng	# 24
67) 4-Bromophenyl-phenylether	16.18	248	9644	5.003	ng	# 1
77) Benzidine	20.04	184	16939	3.394	ng	# 93

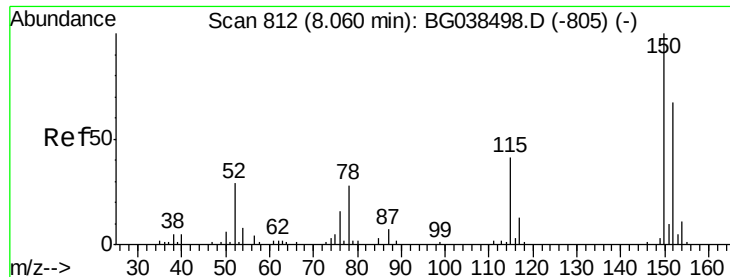
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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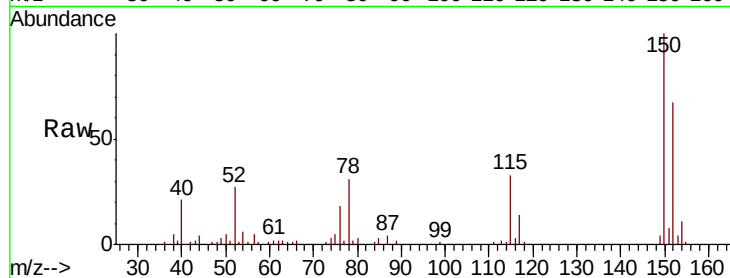


#1

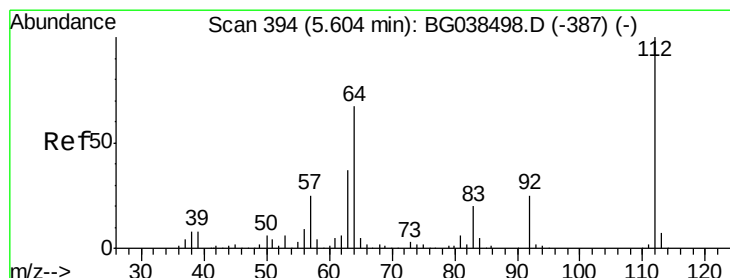
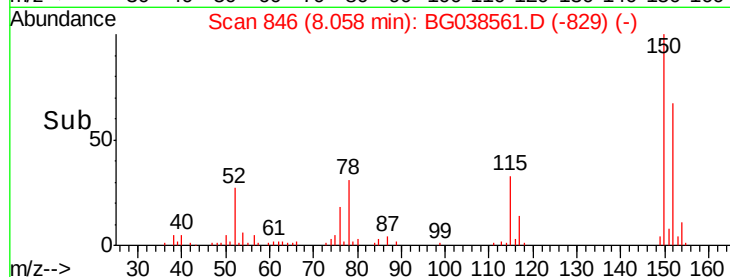
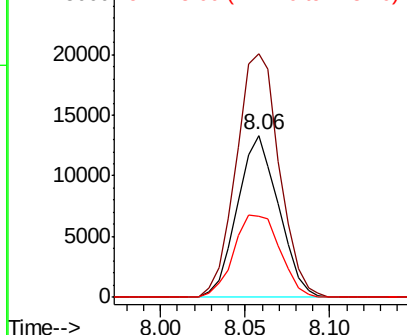
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038561.D
Acq: 14 Dec 2018 9:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 22592
Ion Ratio Lower Upper
152 100
150 150.2 119.5 179.3
115 50.1 49.6 74.4



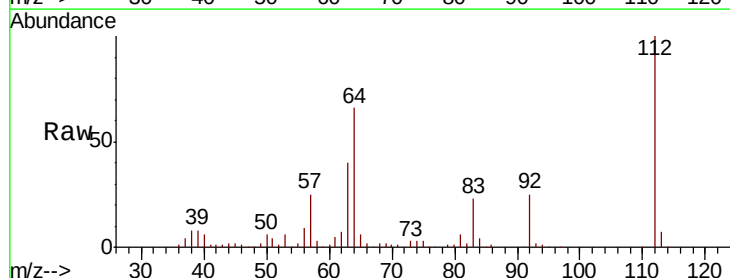
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



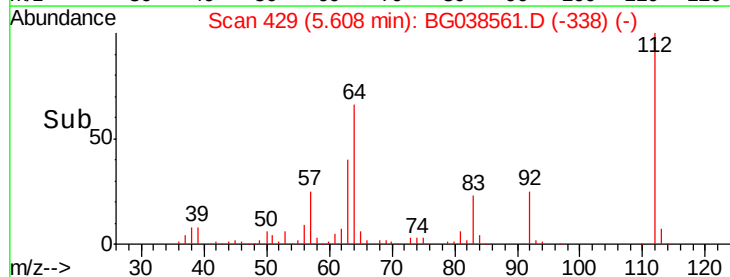
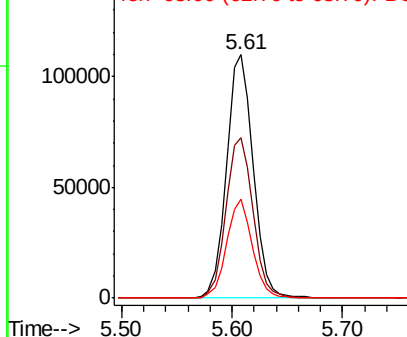
#5

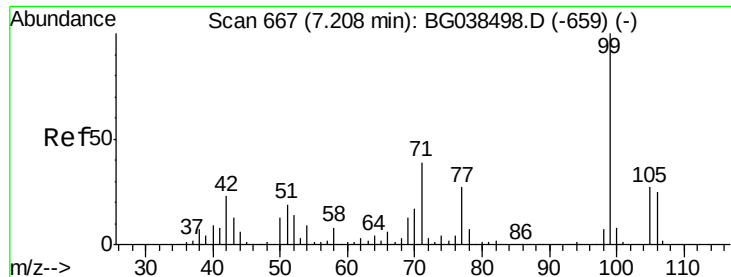
2-Fluorophenol
Concen: 146.322 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG038561.D
Acq: 14 Dec 2018 9:47

Tgt Ion:112 Resp: 186378
Ion Ratio Lower Upper
112 100
64 65.7 53.4 80.2
63 40.4 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: 129.969 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038561.D

Acq: 14 Dec 2018 9:47

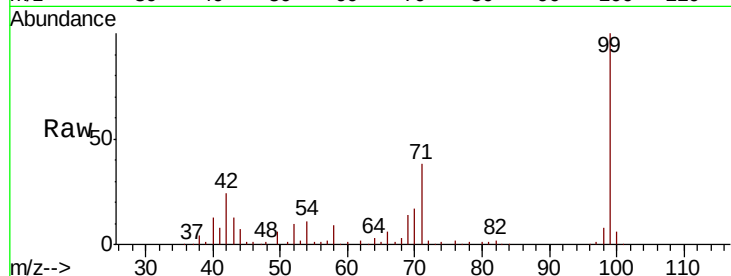
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 227267

Ion	Ratio	Lower	Upper
99	100		
42	24.0	18.5	27.7
71	37.9	31.1	46.7

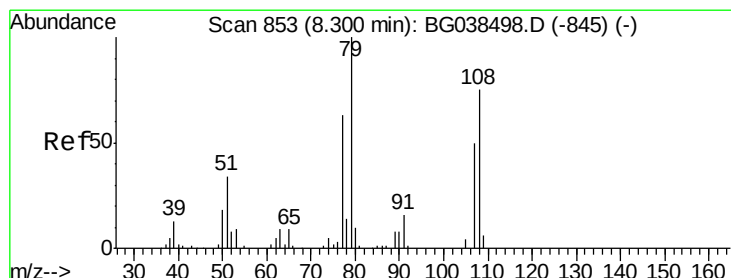
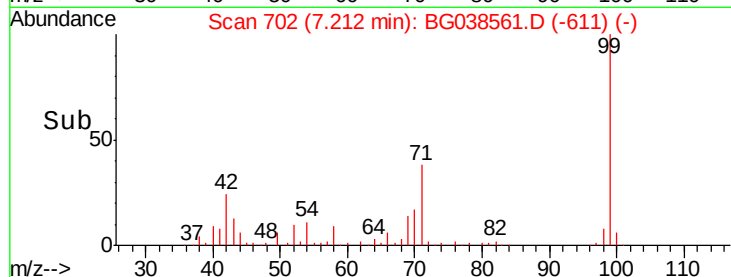
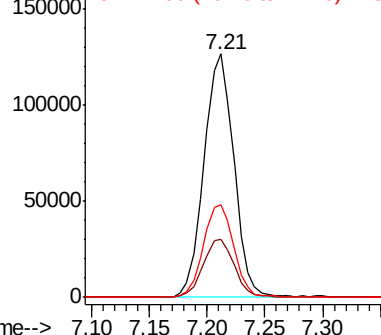


Abundance

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: 2.082 ng

RT: 8.38 min Scan# 900

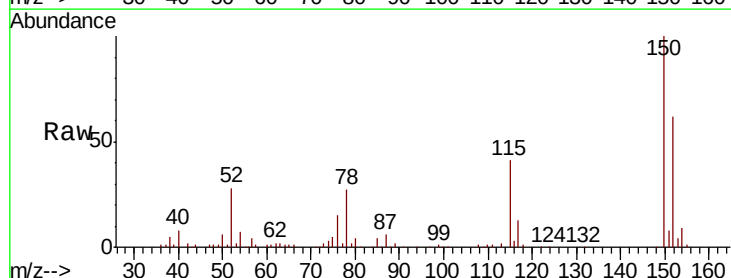
Delta R.T. 0.07 min

Lab File: BG038561.D

Acq: 14 Dec 2018 9:47

Tgt Ion: 79 Resp: 2842

Ion	Ratio	Lower	Upper
79	100		
108	40.9	60.2	90.4#
77	136.1	50.7	76.1#

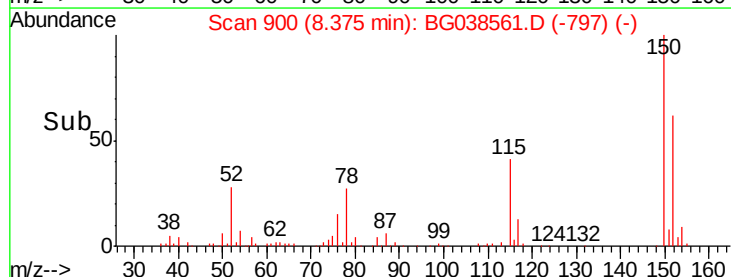
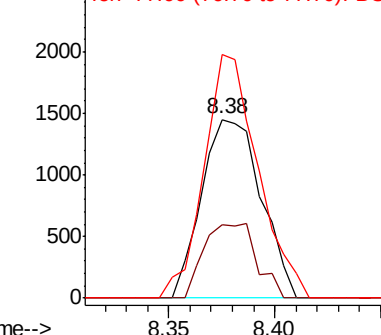


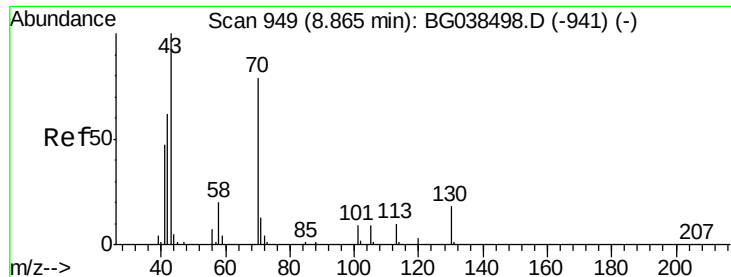
Abundance

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

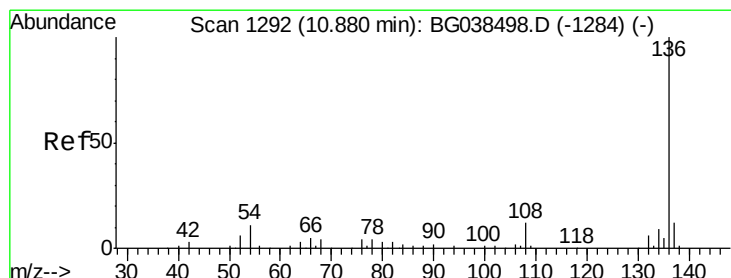
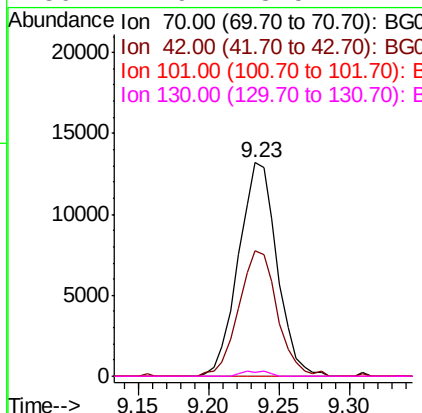
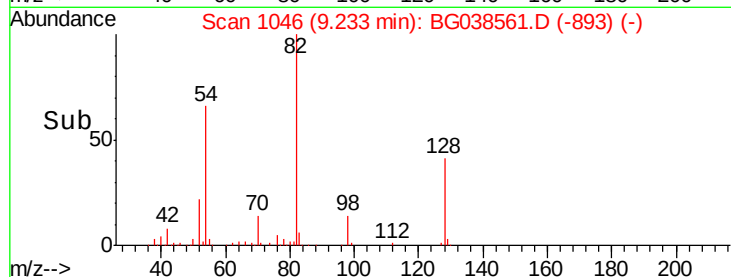
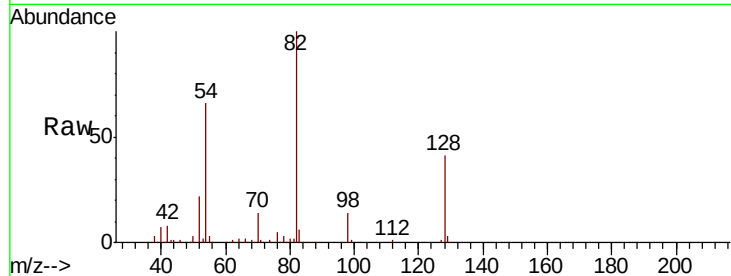




#19
n-Nitroso-di-n-propylamine
Concen: 20.522 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038561.D
Acq: 14 Dec 2018 9:47

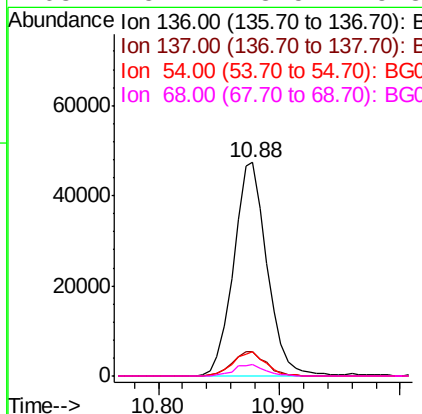
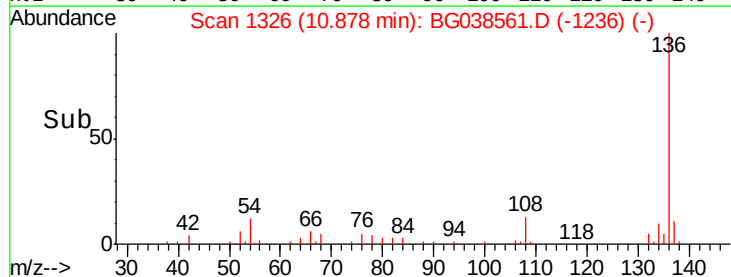
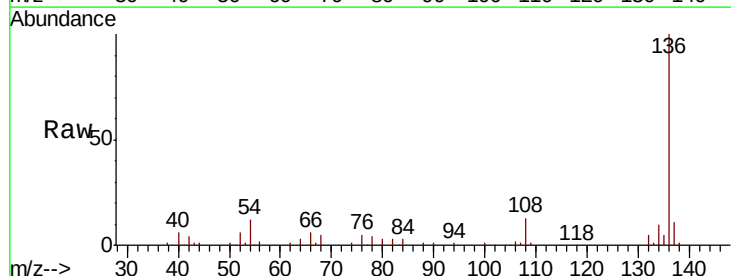
Instrument :
BNA_F
ClientSampleId :

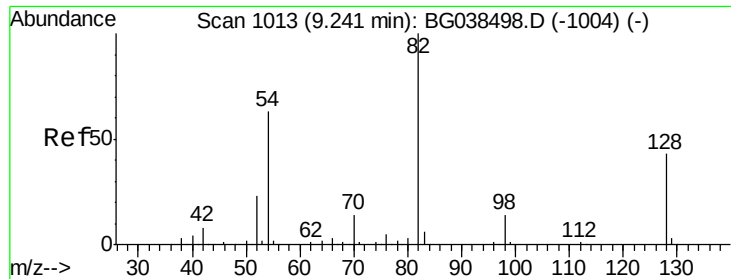
Tot Ion: 70 Resp: 25204
Ion Ratio Lower Upper
70 100
42 58.8 63.6 95.4#
101 0.0 9.2 13.8#
130 1.9 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038561.D
Acq: 14 Dec 2018 9:47

Tgt Ion: 136 Resp: 91398
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 11.5 8.5 12.7
68 5.1 3.5 5.3

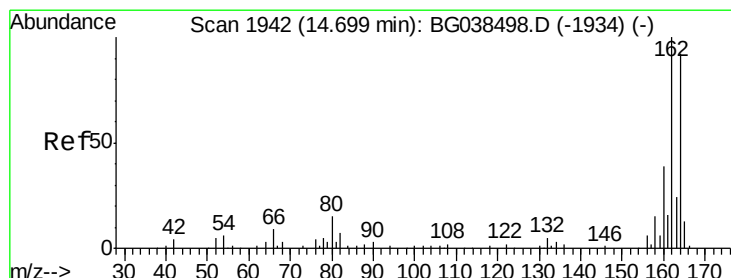
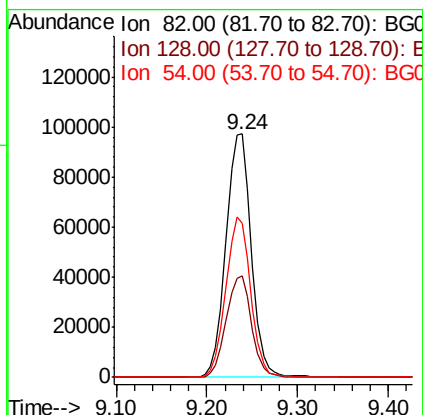
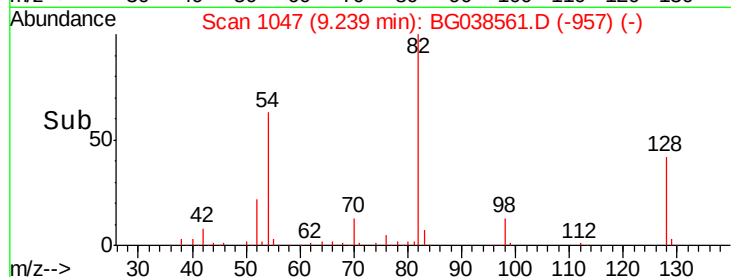
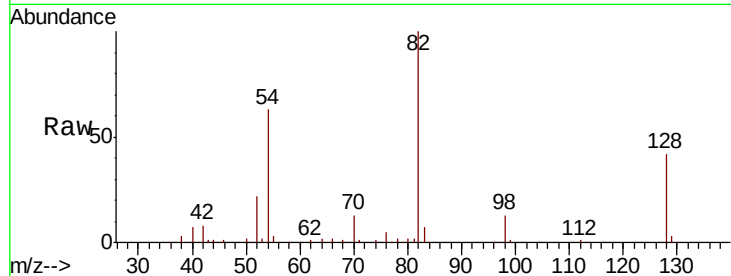




#23
 Nitrobenzene-d5
 Concen: 105.531 ng
 RT: 9.24 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BG038561.D
 Acq: 14 Dec 2018 9:47

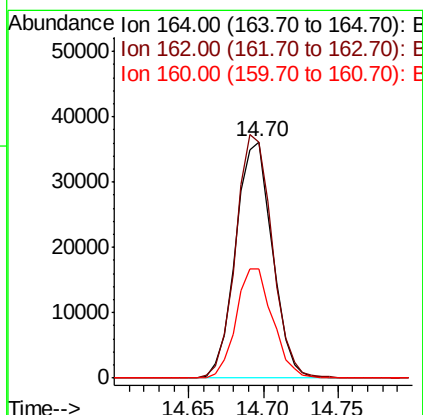
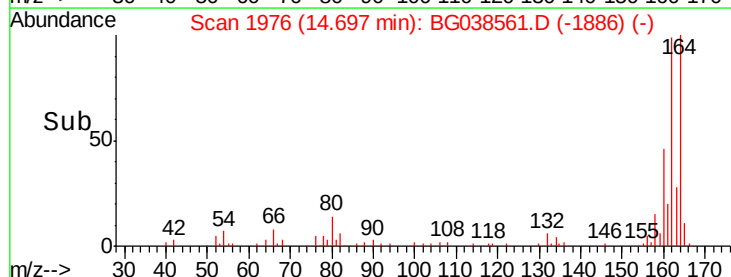
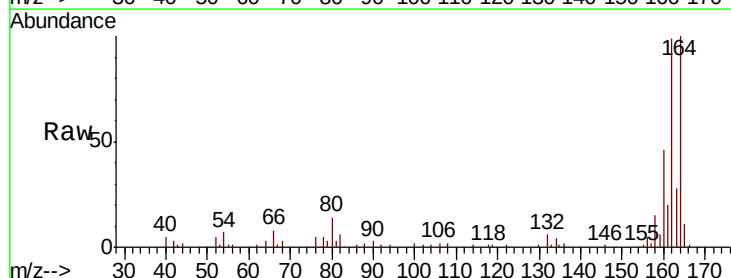
Instrument :
 BNA_F
 ClientSampleId :

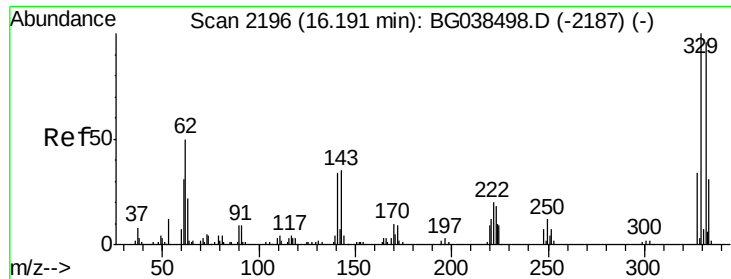
Tot Ion: 82 Resp: 188802
 Ion Ratio Lower Upper
 82 100
 128 41.5 34.6 52.0
 54 63.2 50.6 76.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: BG038561.D
 Acq: 14 Dec 2018 9:47

Tgt Ion:164 Resp: 61574
 Ion Ratio Lower Upper
 164 100
 162 99.5 86.6 130.0
 160 46.1 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 168.072 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038561.D

Acq: 14 Dec 2018 9:47

Instrument :

BNA_F

ClientSampleId :

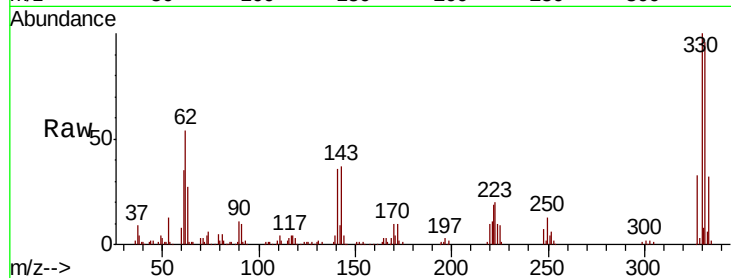
Tot Ion:330 Resp: 142626

Ion Ratio Lower Upper

330 100

332 95.8 76.9 115.3

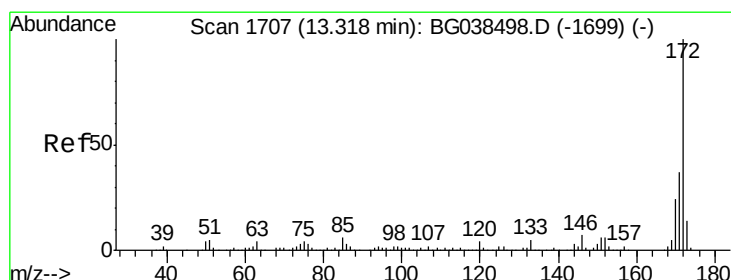
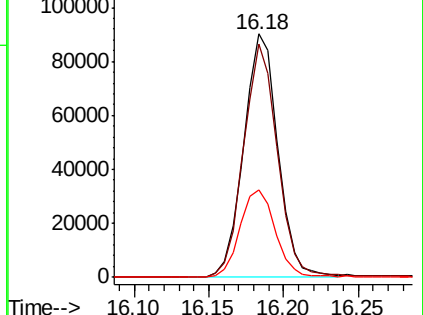
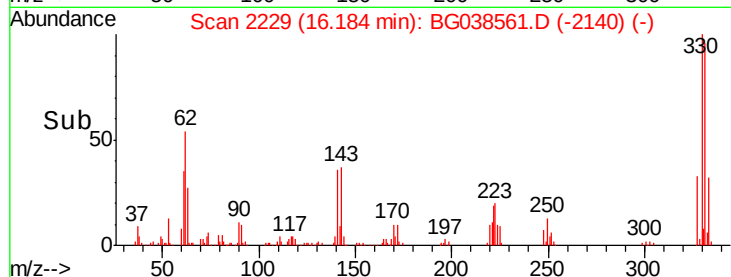
141 37.6 28.8 43.2



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: 97.867 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG038561.D

Acq: 14 Dec 2018 9:47

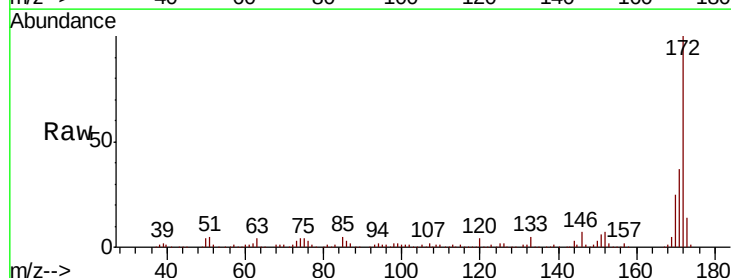
Tgt Ion:172 Resp: 439265

Ion Ratio Lower Upper

172 100

171 37.2 29.8 44.6

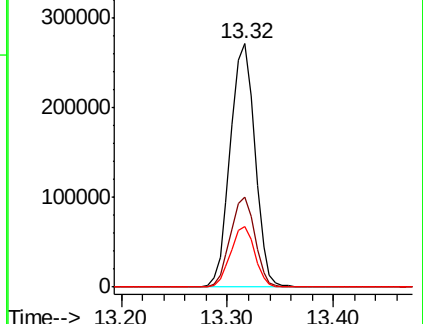
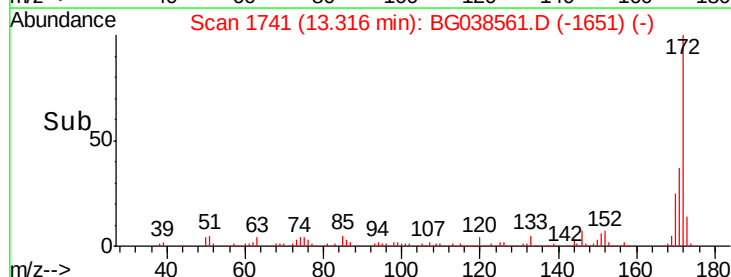
170 24.9 19.5 29.3

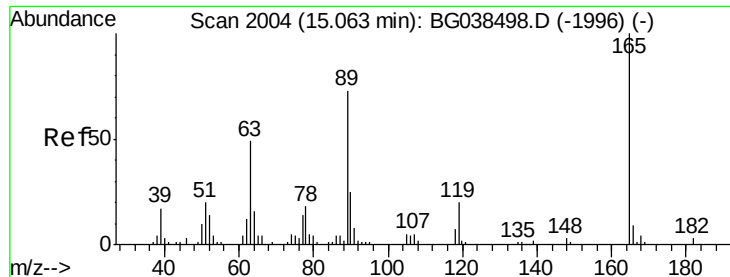


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

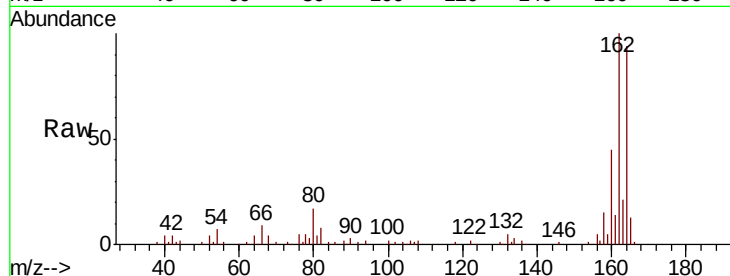




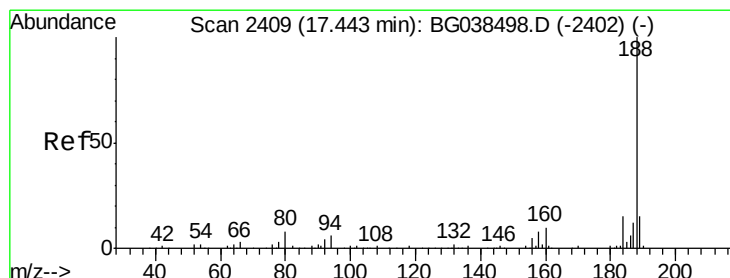
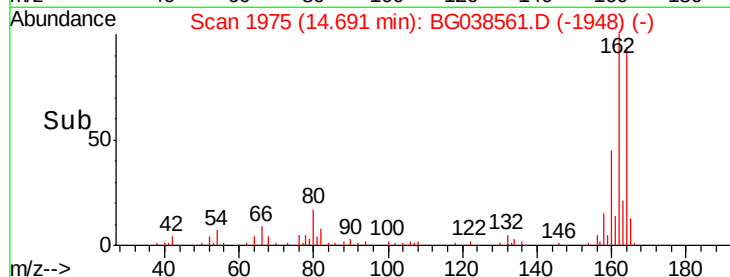
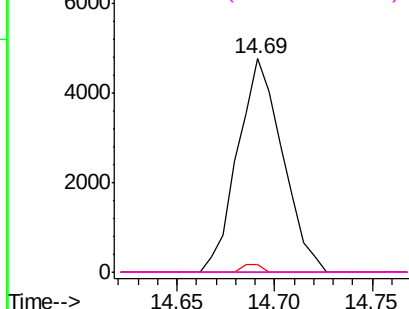
#57
 2,4-Dinitrotoluene
 Concen: 4.726 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038561.D
 Acq: 14 Dec 2018 9:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	7585
Ion Ratio	Lower	Upper
165	100	
63	0.0	39.0 58.4#
89	3.8	58.0 87.0#
182	0.0	2.3 3.5#

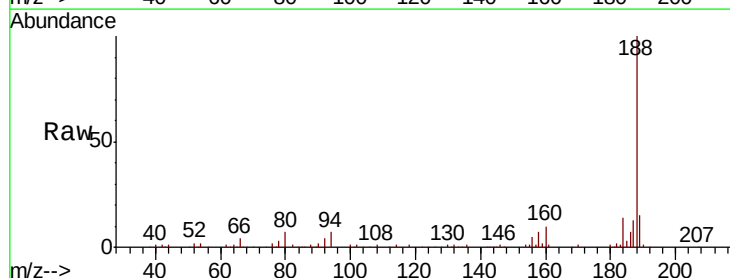


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

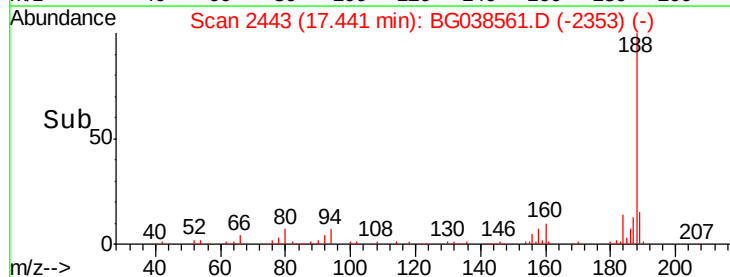
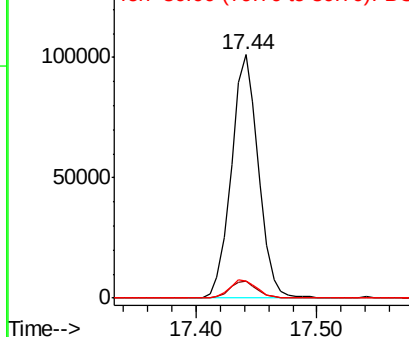


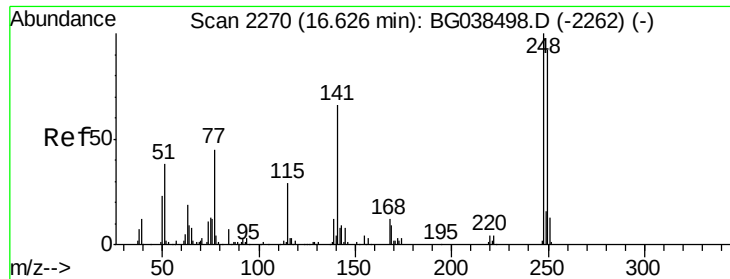
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038561.D
 Acq: 14 Dec 2018 9:47

Tgt Ion:188	Resp:	157846
Ion Ratio	Lower	Upper
188	100	
94	7.0	5.1 7.7
80	7.1	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

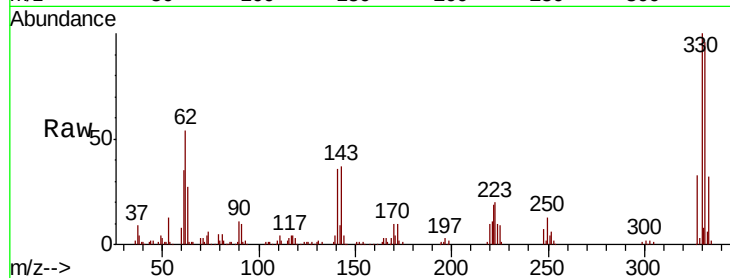




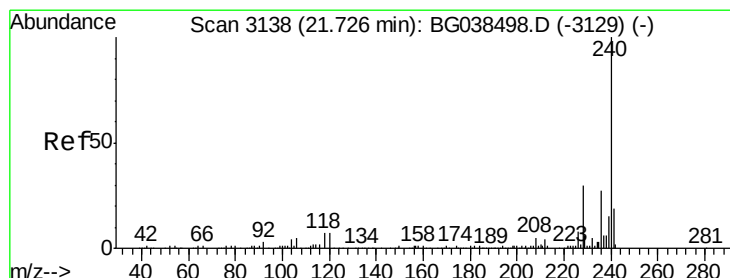
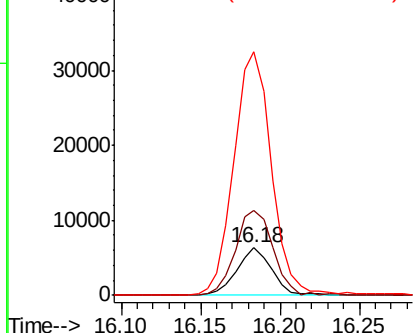
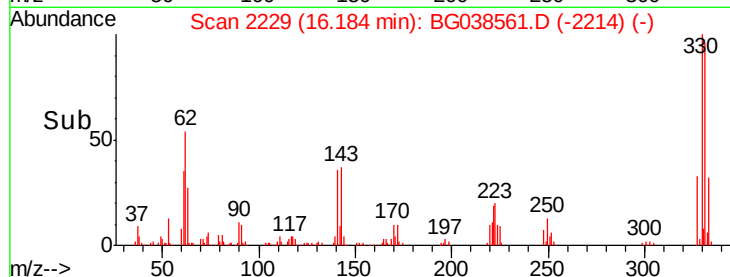
#67
 4-Bromophenyl-phenylether
 Concen: 5.003 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038561.D
 Acq: 14 Dec 2018 9:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9644
 Ion Ratio Lower Upper
 248 100
 250 181.5 73.4 110.2#
 141 398.0 52.9 79.3#

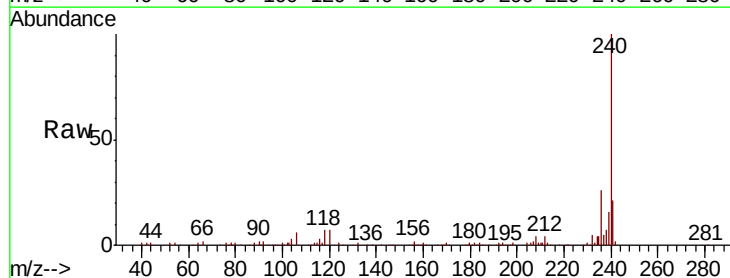


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

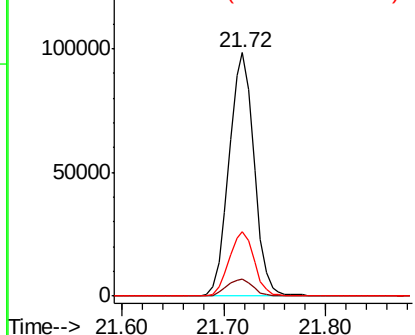
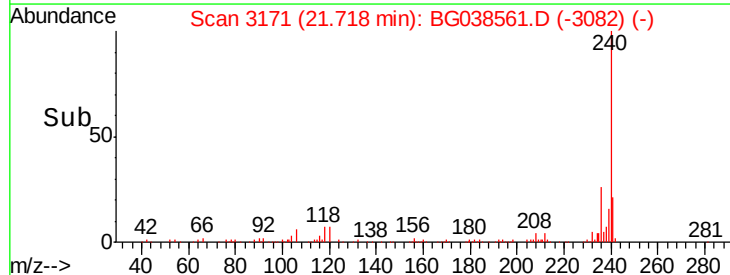


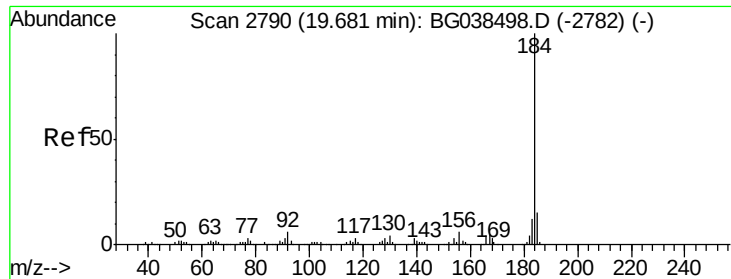
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038561.D
 Acq: 14 Dec 2018 9:47

Tgt Ion:240 Resp: 168740
 Ion Ratio Lower Upper
 240 100
 120 6.7 5.3 7.9
 236 26.3 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: 3.394 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038561.D

Acq: 14 Dec 2018 9:47

Instrument :

BNA_F

ClientSampleId :

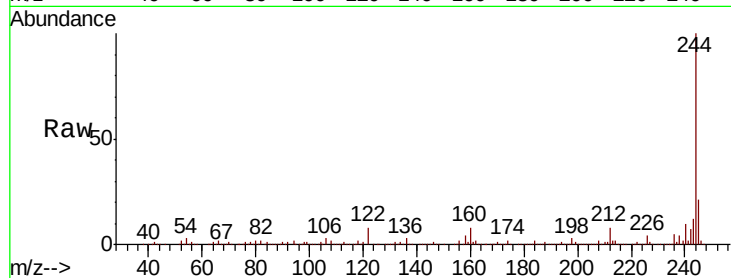
Tot Ion:184 Resp: 16939

Ion Ratio Lower Upper

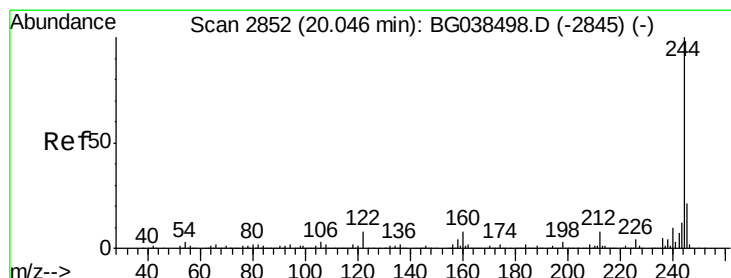
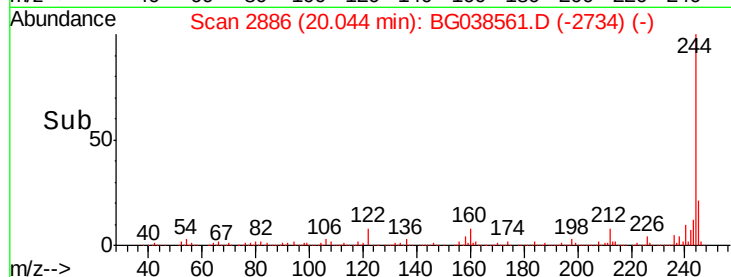
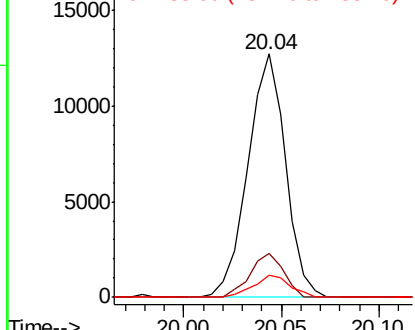
184 100

185 18.1 12.2 18.2

183 9.3 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: 115.693 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038561.D

Acq: 14 Dec 2018 9:47

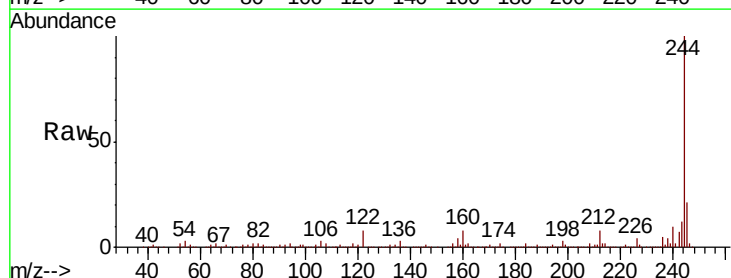
Tgt Ion:244 Resp: 897015

Ion Ratio Lower Upper

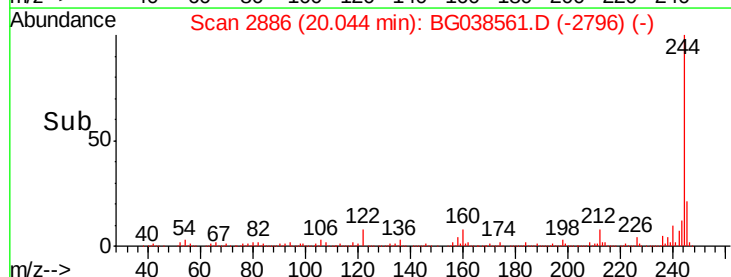
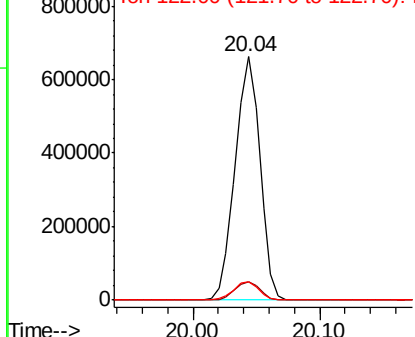
244 100

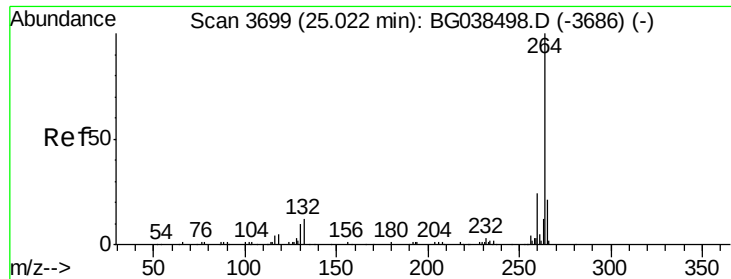
212 7.7 6.2 9.2

122 7.8 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

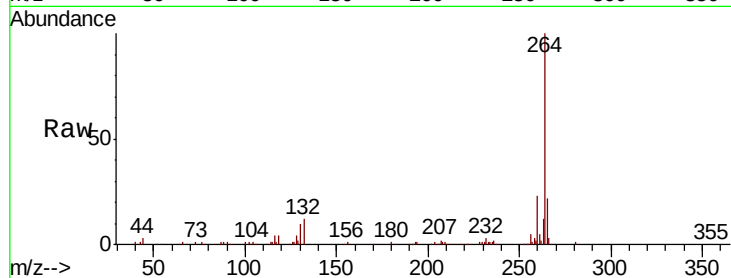




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3731
 Delta R.T. -0.01 min
 Lab File: BG038561.D
 Acq: 14 Dec 2018 9:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.9	28.3
265	22.1	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

