

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122118\
 Data File : BG038785.D
 Acq On : 21 Dec 2018 14:11
 Operator : JU/SJ
 Sample : J6391-19
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 21 16:53:03 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

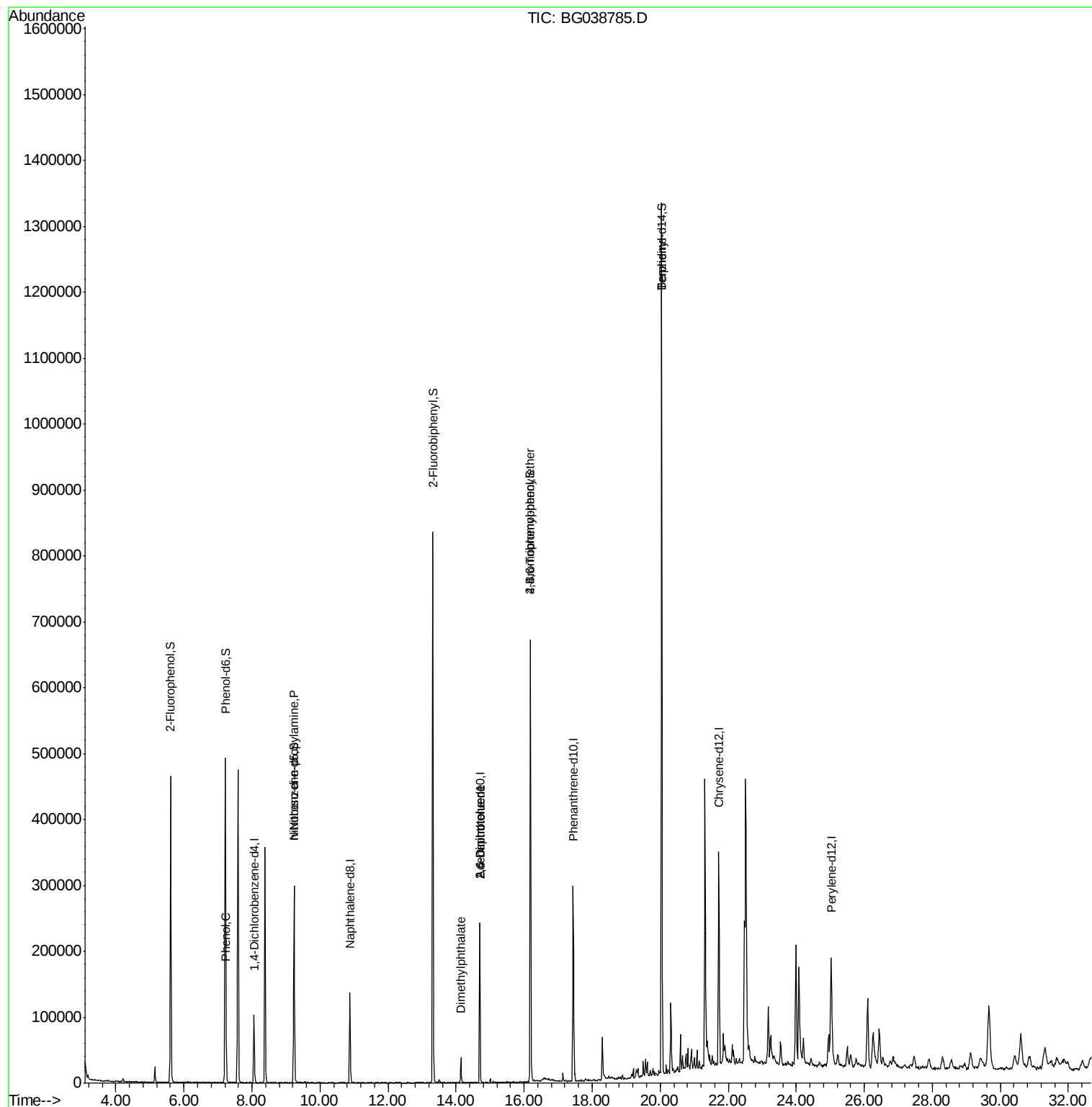
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	29354	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	127457	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	87904	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	196411	20.00	ng	0.00
76) Chrysene-d12	21.73	240	186633	20.00	ng	0.00
87) Perylene-d12	25.03	264	196207	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	202599	122.42	ng	0.00
7) Phenol-d6	7.22	99	286253	125.99	ng	0.01
23) Nitrobenzene-d5	9.24	82	175882	70.50	ng	0.00
42) 2,4,6-Tribromophenol	16.18	330	139915	115.49	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	460336	71.84	ng	0.00
79) Terphenyl-d14	20.04	244	641348	74.79	ng	0.00
Target Compounds						
10) Phenol	7.24	94	13985	5.794	ng	98
19) n-Nitroso-di-n-propylamine	9.23	70	23602	14.791	ng	# 68
50) Dimethylphthalate	14.14	163	27908	3.888	ng	99
51) 2,6-Dinitrotoluene	14.70	165	11686	7.184	ng	# 19
57) 2,4-Dinitrotoluene	14.70	165	11686	5.100	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	9534	3.975	ng	# 1
77) Benzidine	20.04	184	11046	2.001	ng	97

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

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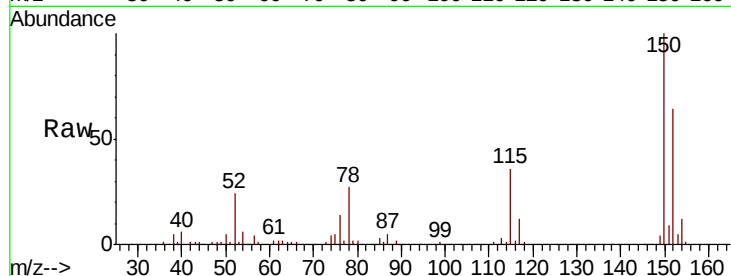




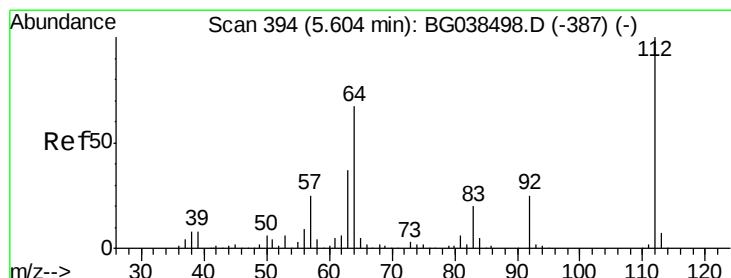
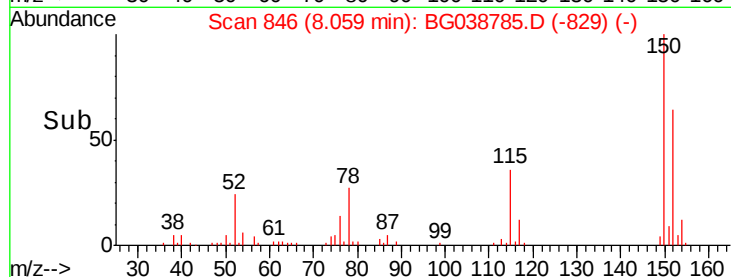
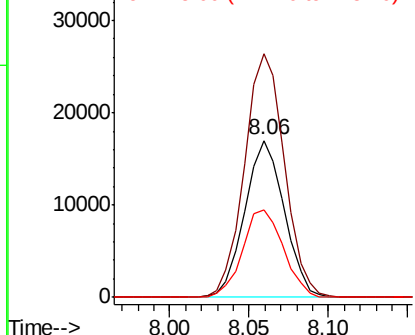
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG038785.D
 Acq: 21 Dec 2018 14:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 29354
 Ion Ratio Lower Upper
 152 100
 150 155.1 119.5 179.3
 115 56.0 49.6 74.4

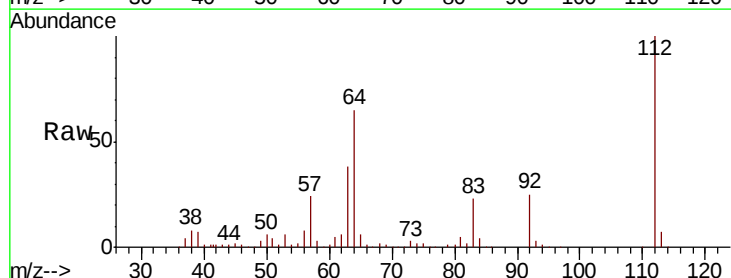


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

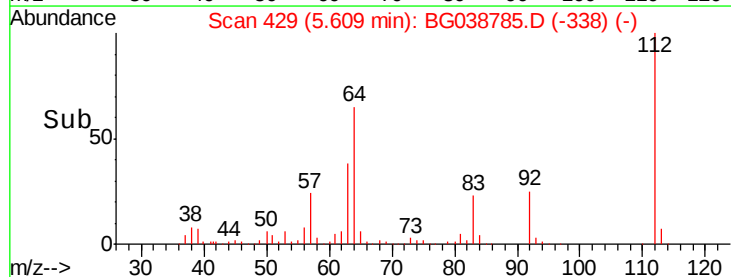
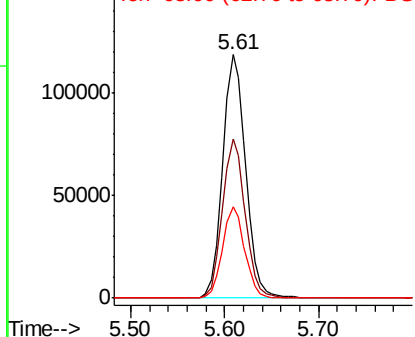


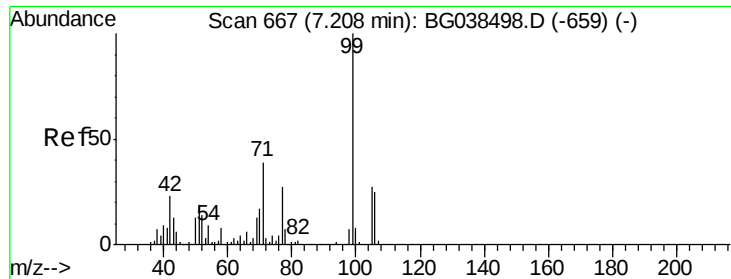
#5
 2-Fluorophenol
 Concen: 122.416 ng
 RT: 5.61 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: BG038785.D
 Acq: 21 Dec 2018 14:11

Tgt Ion:112 Resp: 202599
 Ion Ratio Lower Upper
 112 100
 64 65.3 53.4 80.2
 63 37.6 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: 125.992 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG038785.D

Acq: 21 Dec 2018 14:11

Instrument :

BNA_F

ClientSampleId :

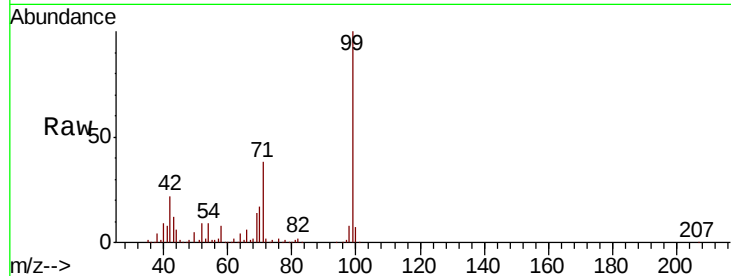
Tot Ion: 99 Resp: 286253

Ion Ratio Lower Upper

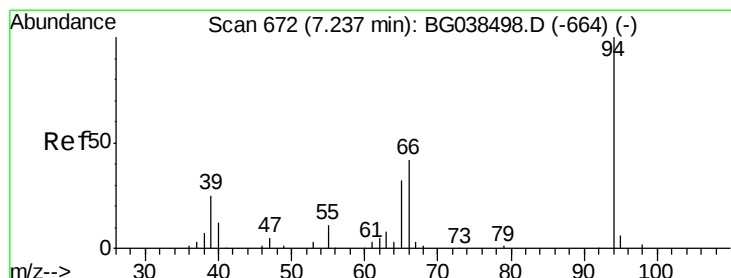
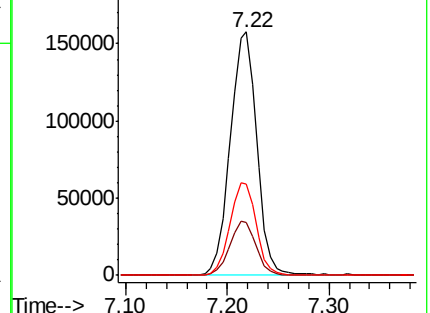
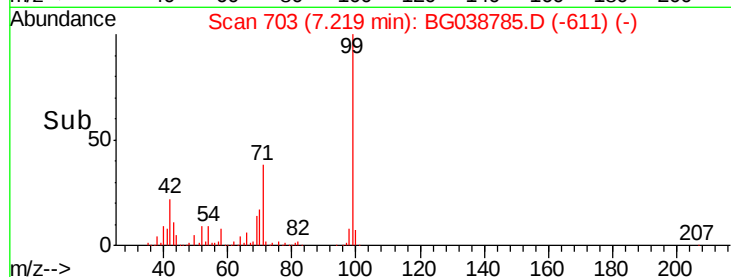
99 100

42 21.6 18.5 27.7

71 37.7 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



#10

Phenol

Concen: 5.794 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038785.D

Acq: 21 Dec 2018 14:11

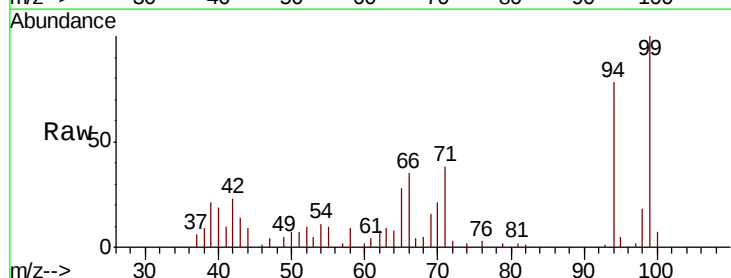
Tgt Ion: 94 Resp: 13985

Ion Ratio Lower Upper

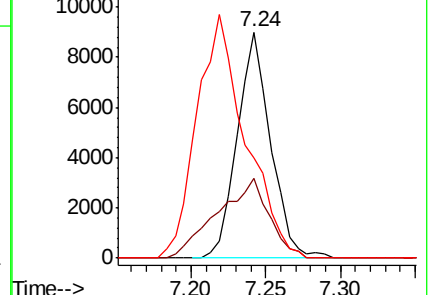
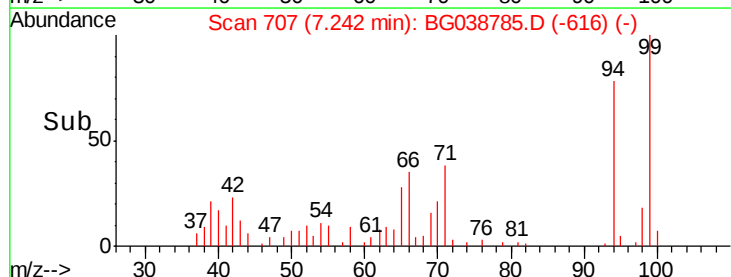
94 100

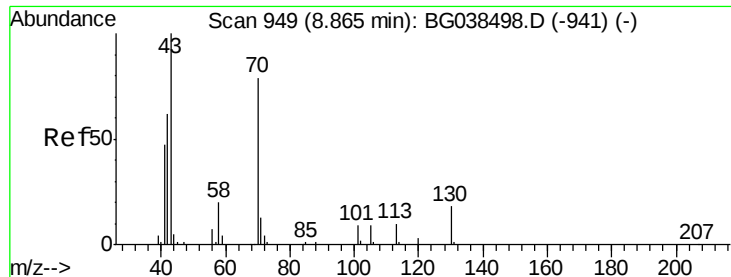
65 35.2 12.6 52.6

66 44.5 24.1 64.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

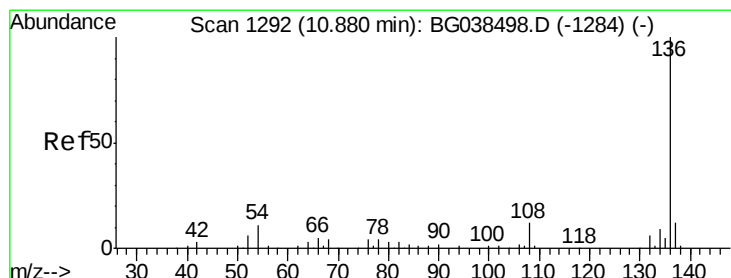
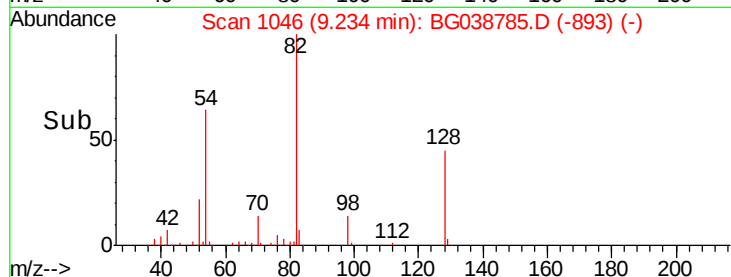
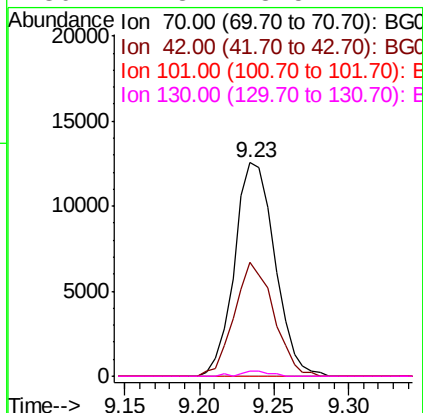
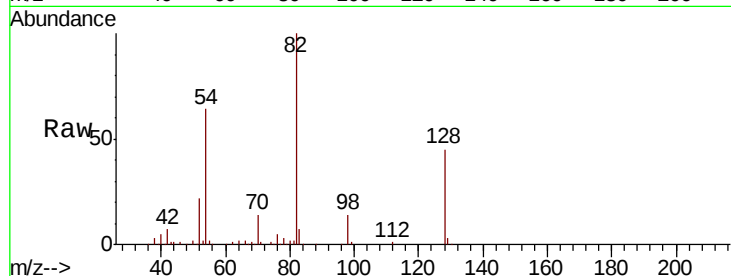




#19
n-Nitroso-di-n-propylamine
Concen: 14.791 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038785.D
Acq: 21 Dec 2018 14:11

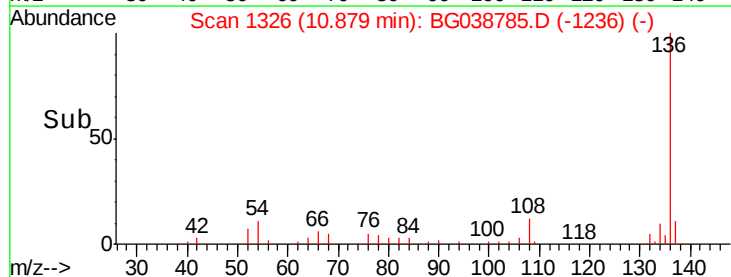
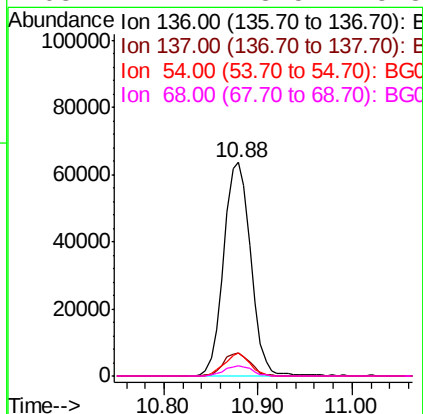
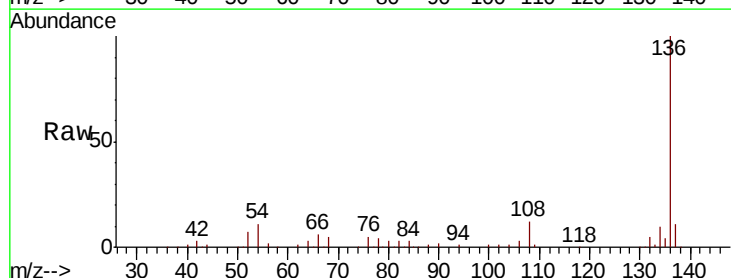
Instrument :
BNA_F
ClientSampleId :

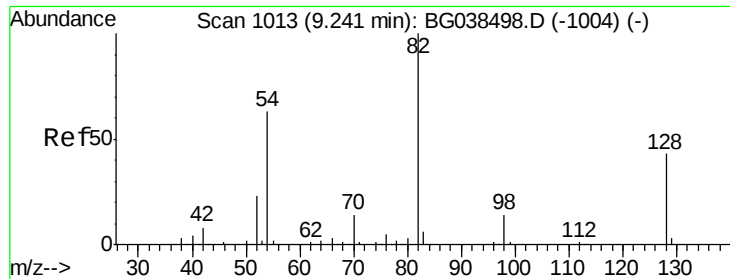
Tot Ion: 70 Resp: 23602
Ion Ratio Lower Upper
70 100
42 53.5 63.6 95.4#
101 0.0 9.2 13.8#
130 2.3 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038785.D
Acq: 21 Dec 2018 14:11

Tgt Ion:136 Resp: 127457
Ion Ratio Lower Upper
136 100
137 10.5 9.3 13.9
54 10.9 8.5 12.7
68 4.7 3.5 5.3

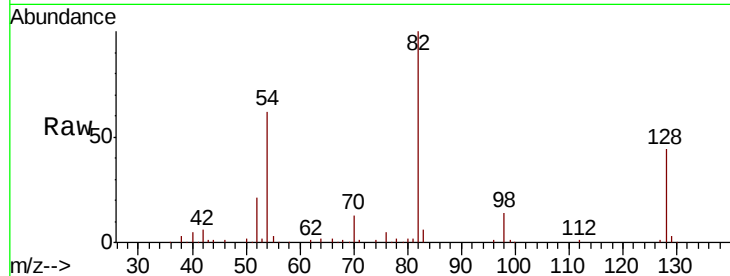




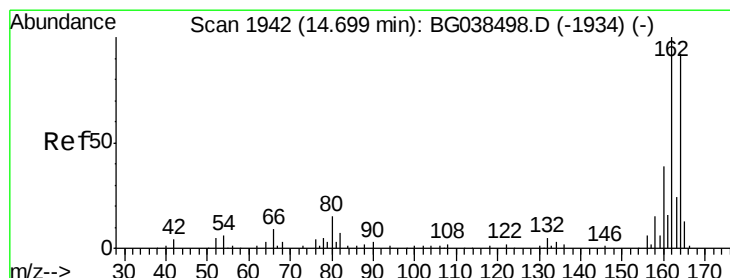
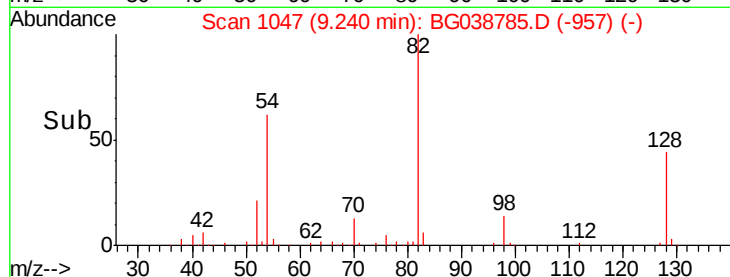
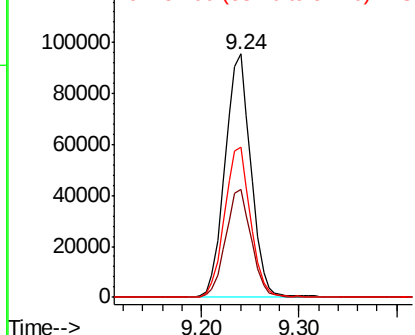
#23
 Nitrobenzene-d5
 Concen: 70.497 ng
 RT: 9.24 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BG038785.D
 Acq: 21 Dec 2018 14:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 175882
 Ion Ratio Lower Upper
 82 100
 128 44.3 34.6 52.0
 54 61.6 50.6 76.0

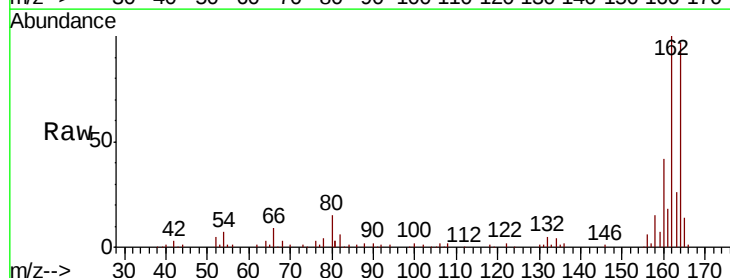


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

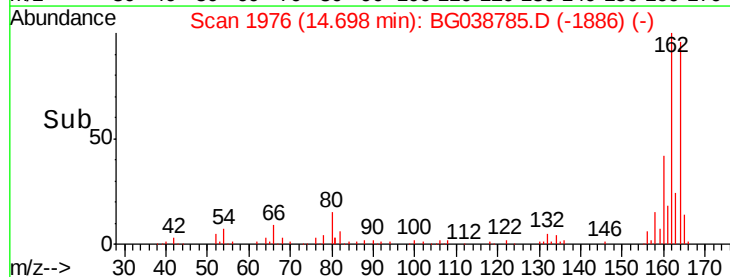
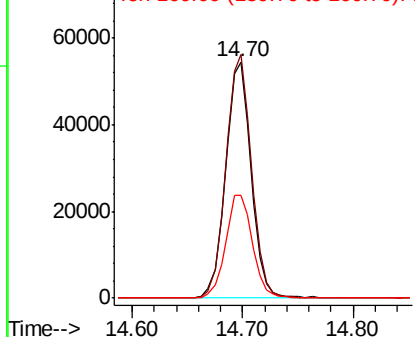


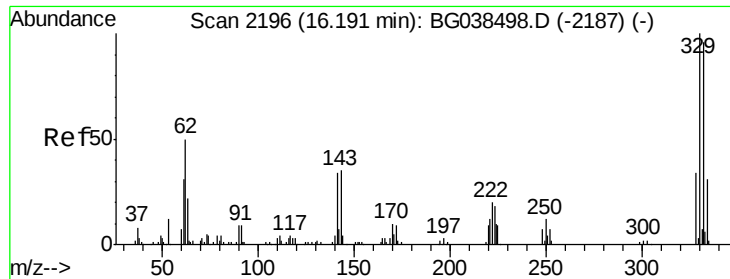
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: BG038785.D
 Acq: 21 Dec 2018 14:11

Tgt Ion:164 Resp: 87904
 Ion Ratio Lower Upper
 164 100
 162 103.2 86.6 130.0
 160 43.4 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 115.491 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038785.D

Acq: 21 Dec 2018 14:11

Instrument :

BNA_F

ClientSampleId :

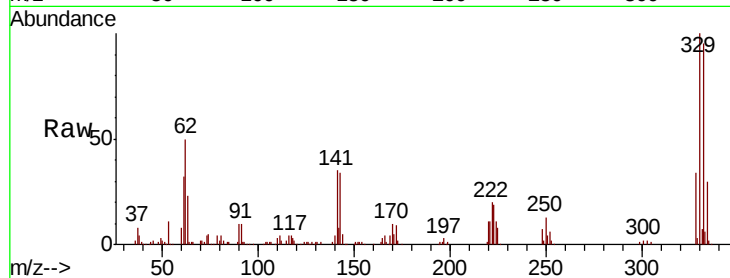
Tot Ion:330 Resp: 139915

Ion Ratio Lower Upper

330 100

332 95.5 76.9 115.3

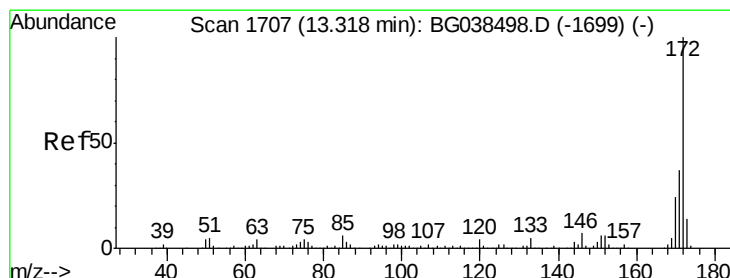
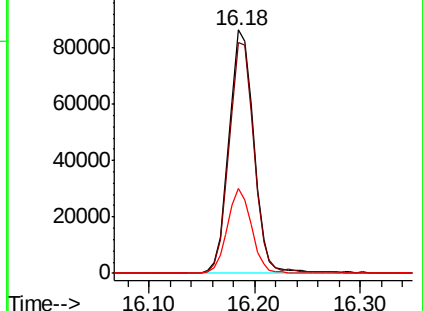
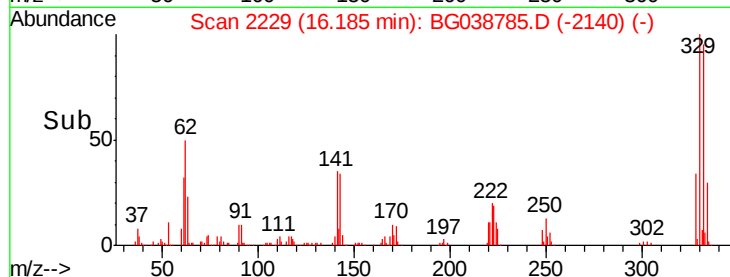
141 34.0 28.8 43.2



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: 71.841 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG038785.D

Acq: 21 Dec 2018 14:11

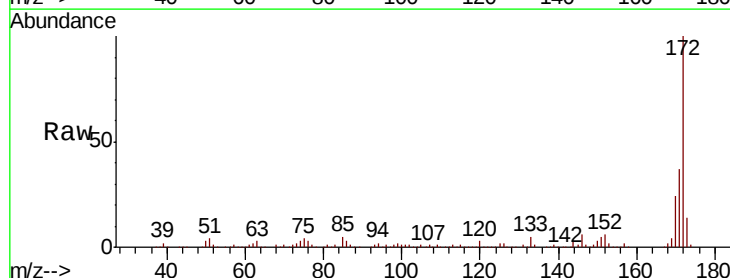
Tgt Ion:172 Resp: 460336

Ion Ratio Lower Upper

172 100

171 37.2 29.8 44.6

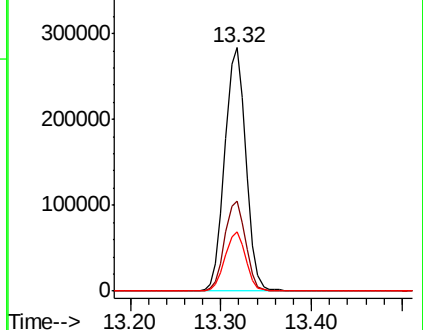
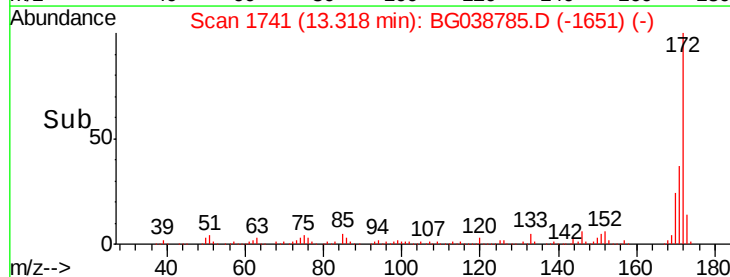
170 24.3 19.5 29.3



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





#50

Dimethylphthalate

Concen: 3.888 ng

RT: 14.14 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BG038785.D

Acq: 21 Dec 2018 14:11

Instrument :

BNA_F

ClientSampleId :

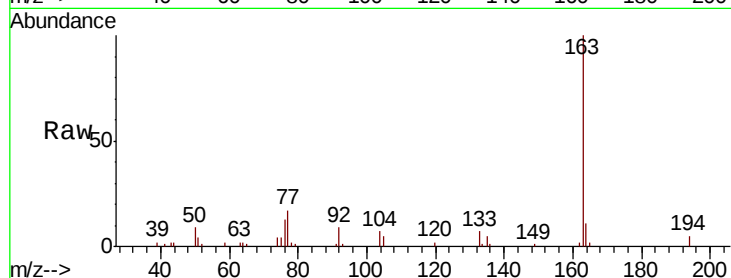
Tot Ion:163 Resp: 27908

Ion Ratio Lower Upper

163 100

194 5.0 3.7 5.5

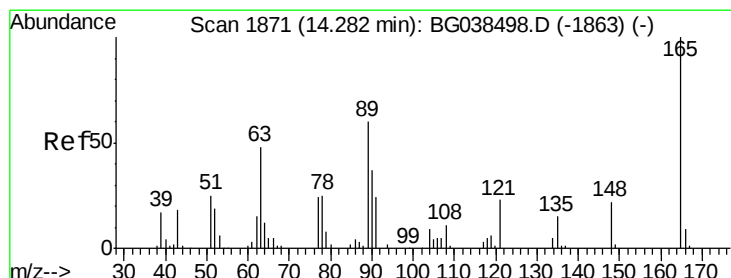
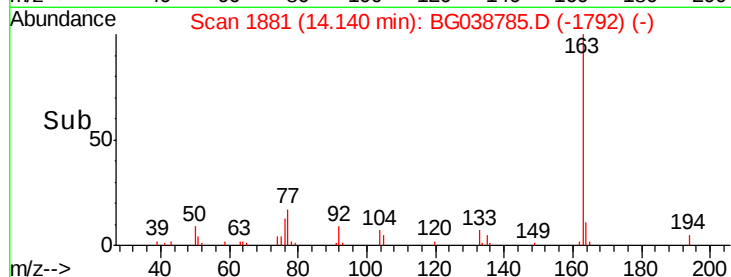
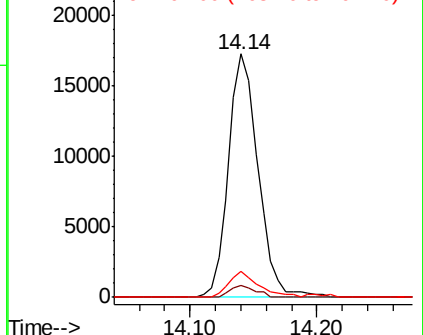
164 10.8 8.6 12.8



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: 7.184 ng

RT: 14.70 min Scan# 1976

Delta R.T. 0.42 min

Lab File: BG038785.D

Acq: 21 Dec 2018 14:11

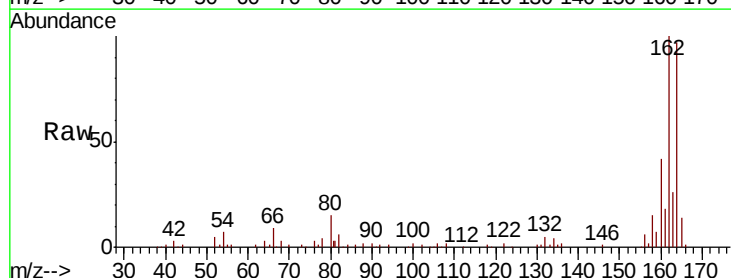
Tgt Ion:165 Resp: 11686

Ion Ratio Lower Upper

165 100

63 0.0 51.8 77.6#

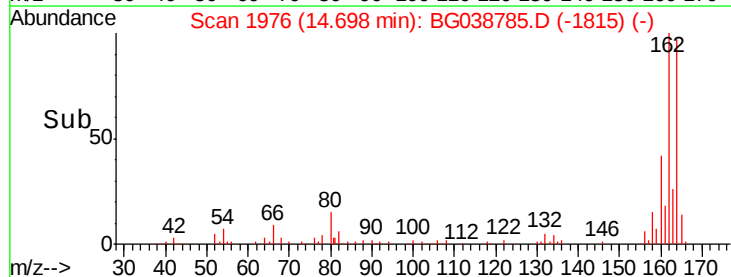
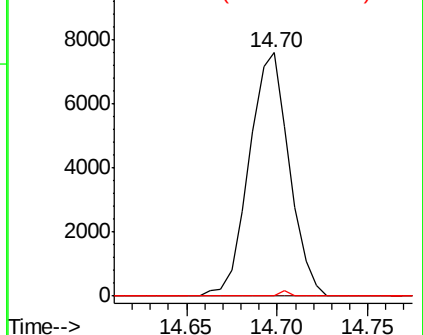
89 0.0 47.9 71.9#

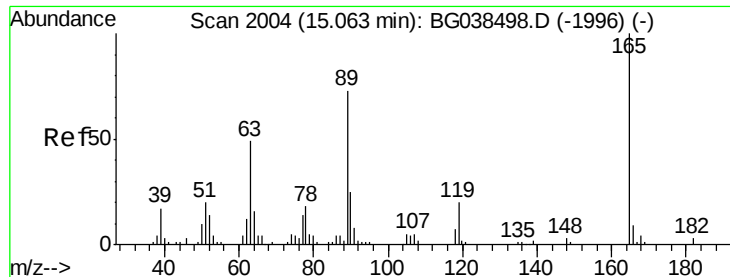


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

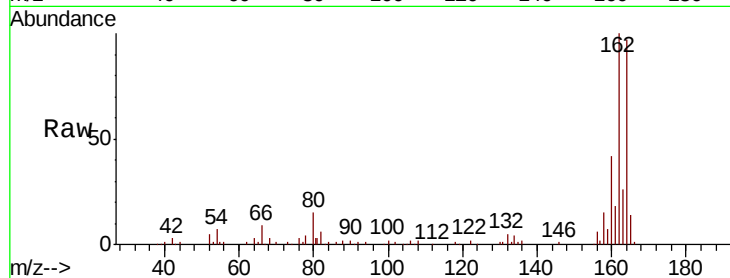




#57
2,4-Dinitrotoluene
Concen: 5.100 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.36 min
Lab File: BG038785.D
Acq: 21 Dec 2018 14:11

Instrument :
BNA_F
ClientSampleId :

Tot 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#



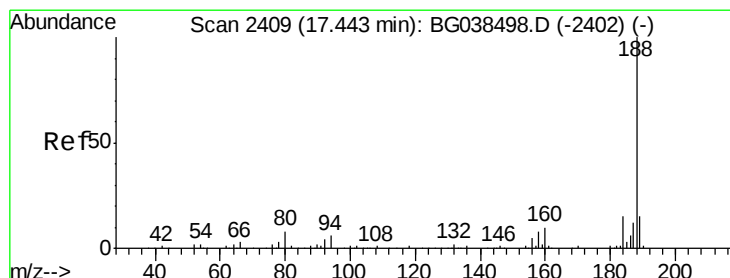
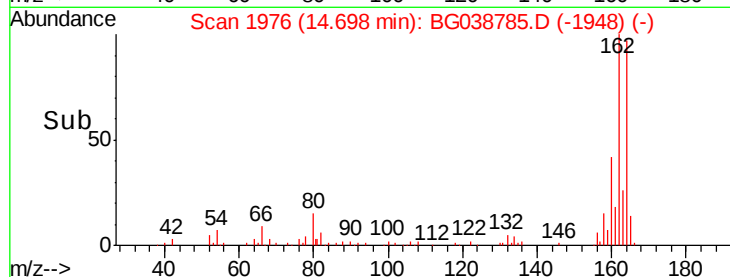
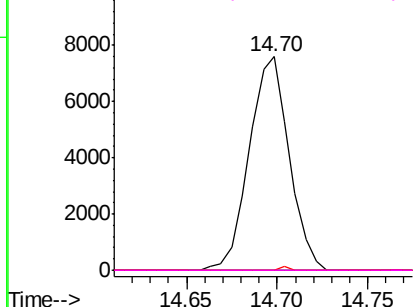
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

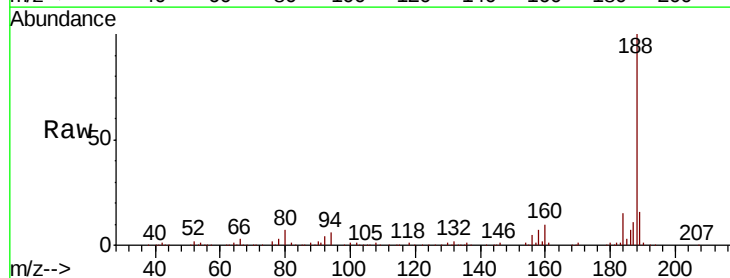
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG038785.D
Acq: 21 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	5.1	7.7
80	7.0	6.1	9.1

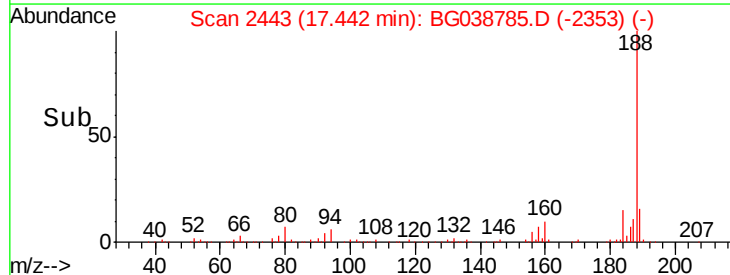
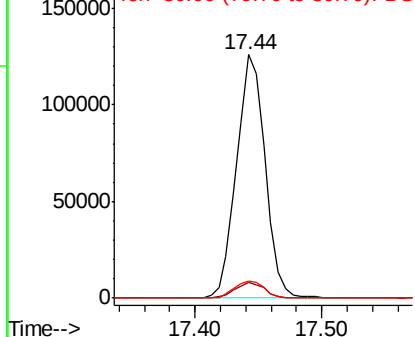


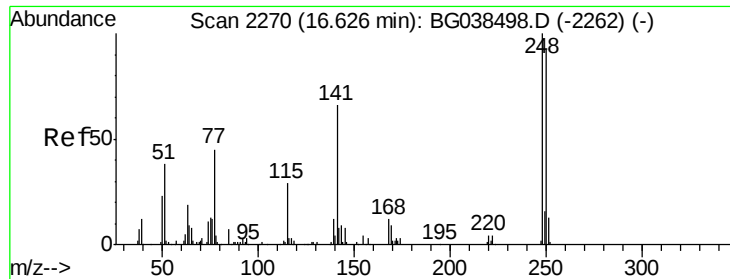
Abundance

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

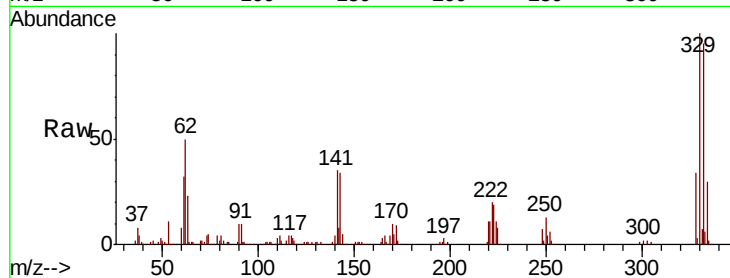




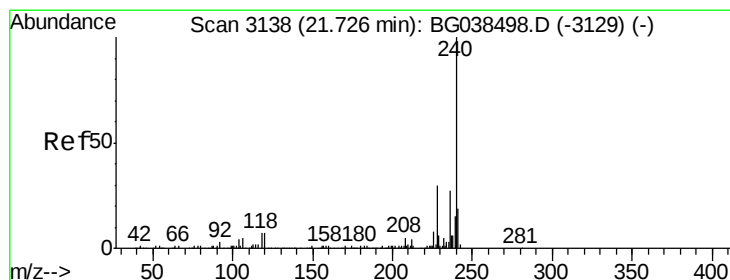
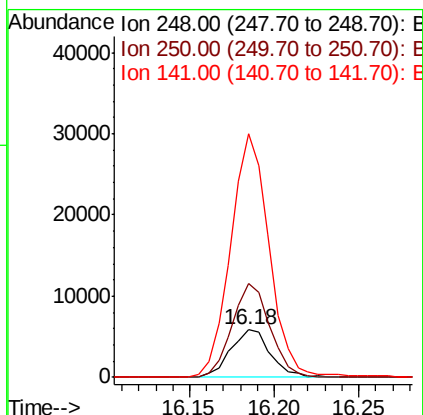
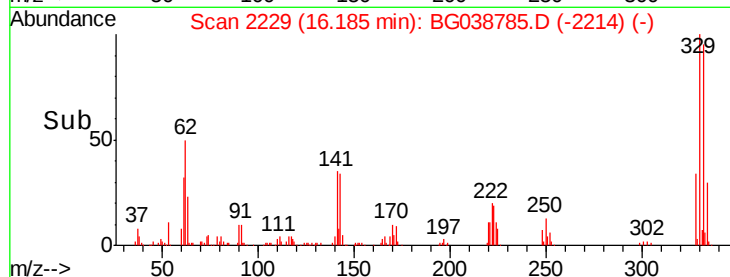
#67
4-Bromophenyl-phenylether
Concen: 3.975 ng
RT: 16.18 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038785.D
Acq: 21 Dec 2018 14:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9534
Ion Ratio Lower Upper
248 100
250 194.3 73.4 110.2#
141 391.9 52.9 79.3#

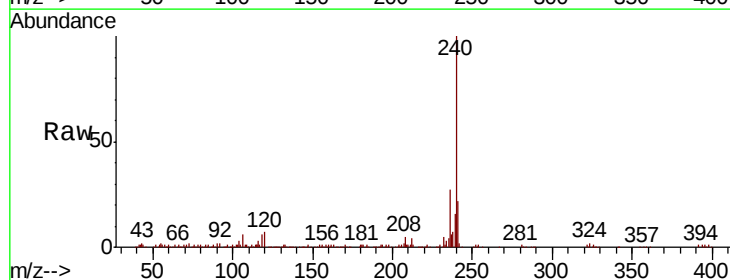


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

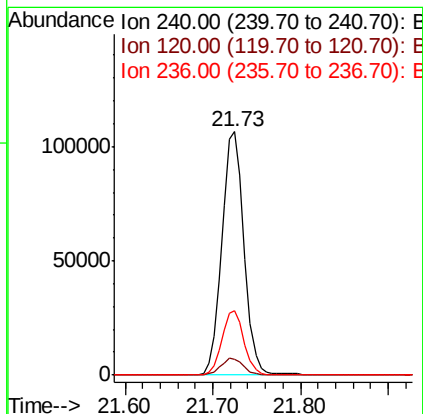
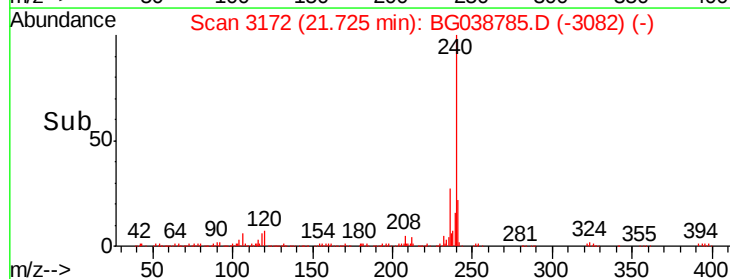


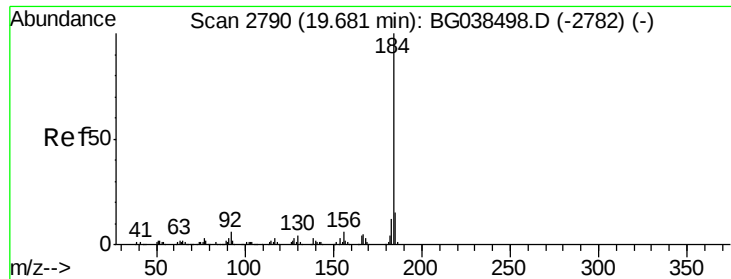
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3172
Delta R.T. -0.00 min
Lab File: BG038785.D
Acq: 21 Dec 2018 14:11

Tgt Ion:240 Resp: 186633
Ion Ratio Lower Upper
240 100
120 6.7 5.3 7.9
236 26.7 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: 2.001 ng

RT: 20.04 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038785.D

Acq: 21 Dec 2018 14:11

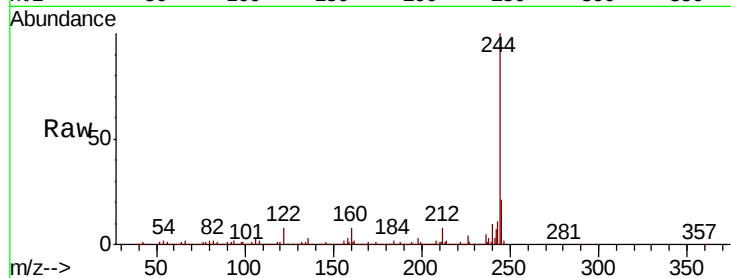
Instrument :

BNA_F

ClientSampleId :

Tot Ion:184 Resp: 11046

Ion	Ratio	Lower	Upper
184	100		
185	16.7	12.2	18.2
183	11.0	9.6	14.4

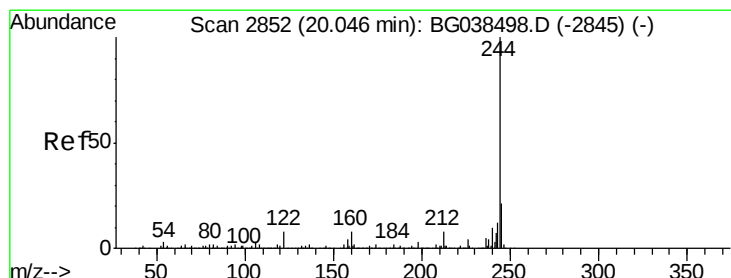
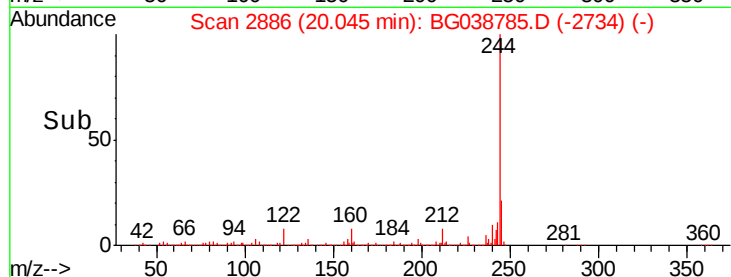
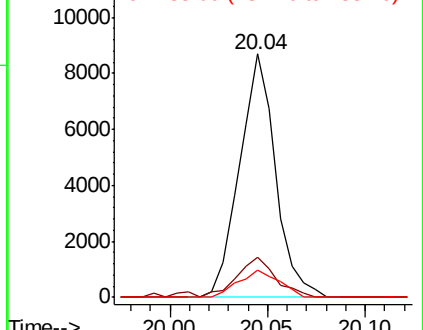


Abundance

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: 74.788 ng

RT: 20.04 min Scan# 2886

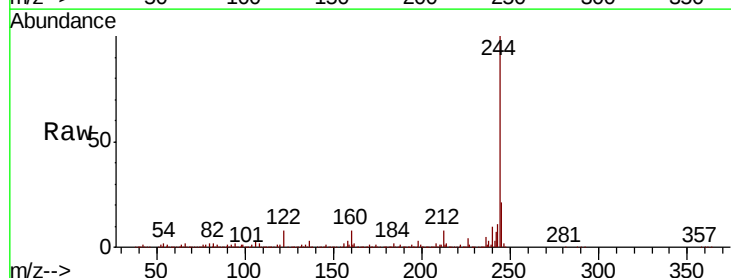
Delta R.T. -0.00 min

Lab File: BG038785.D

Acq: 21 Dec 2018 14:11

Tgt Ion:244 Resp: 641348

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	7.6	6.3	9.5

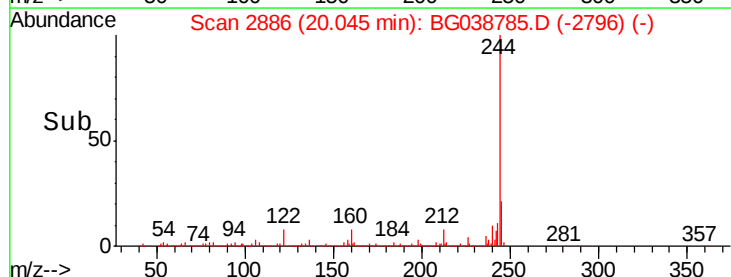
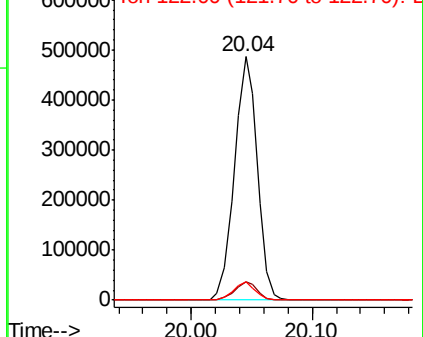


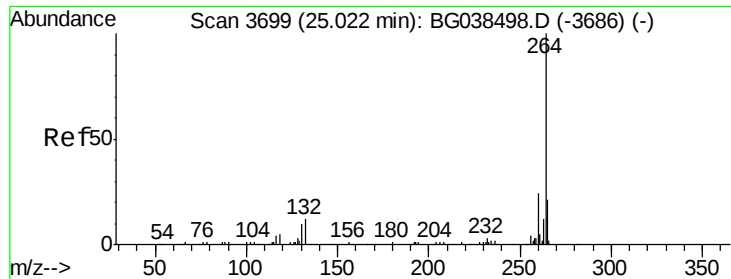
Abundance

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

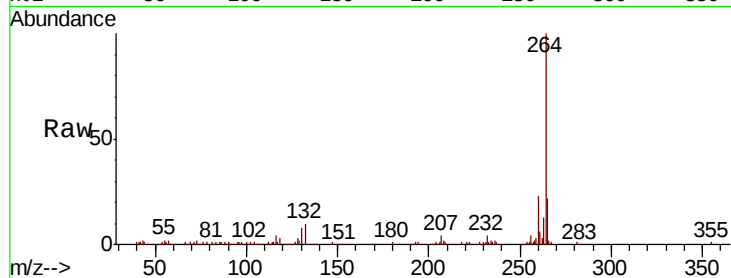




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.03 min Scan# 3734
 Delta R.T. 0.01 min
 Lab File: BG038785.D
 Acq: 21 Dec 2018 14:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.9	28.3
265	21.5	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

