

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042353.D
 Acq On : 20 Aug 2019 11:18
 Operator : HP/JU
 Sample : k4388-27
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 03:20:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	70626	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	272229	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	196967	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	450610	20.00	ng	0.00
76) Chrysene-d12	21.69	240	460025	20.00	ng	0.00
87) Perylene-d12	24.93	264	538678	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	449082	128.83	ng	0.00
7) Phenol-d6	7.17	99	549382	116.05	ng	0.00
23) Nitrobenzene-d5	9.17	82	379174	97.96	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	385229	143.60	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1145671	98.43	ng	0.00
79) Terphenyl-d14	20.03	244	1939079	92.32	ng	0.00

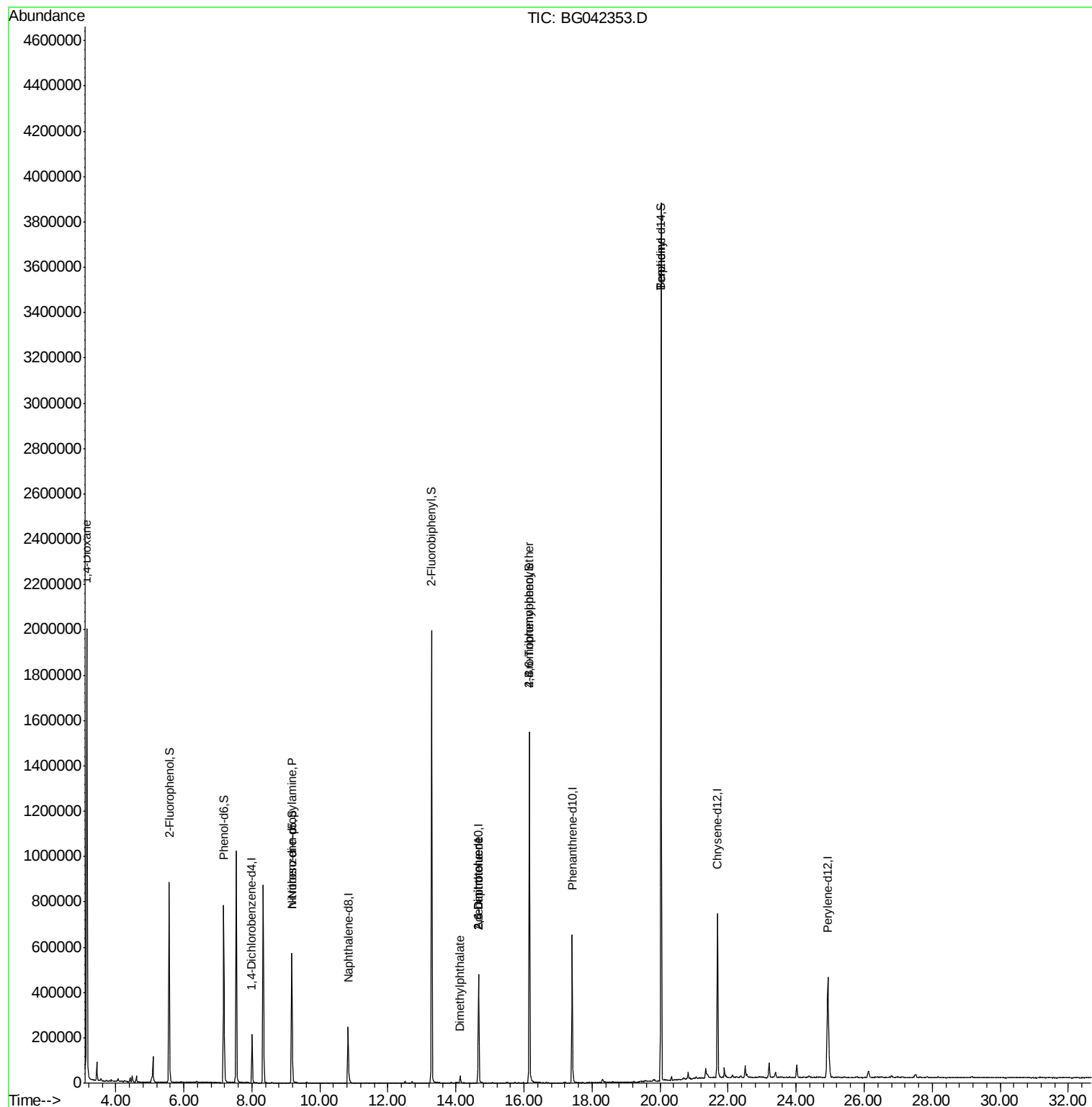
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	25597	17.028	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	48325	15.870	ng	# 71
50) Dimethylphthalate	14.12	163	36184	2.585	ng	# 96
51) 2,6-Dinitrotoluene	14.67	165	25520	7.791	ng	# 40
57) 2,4-Dinitrotoluene	14.67	165	25520	5.572	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	27143	4.733	ng	# 1
77) Benzidine	20.03	184	28263	2.317	ng	# 94

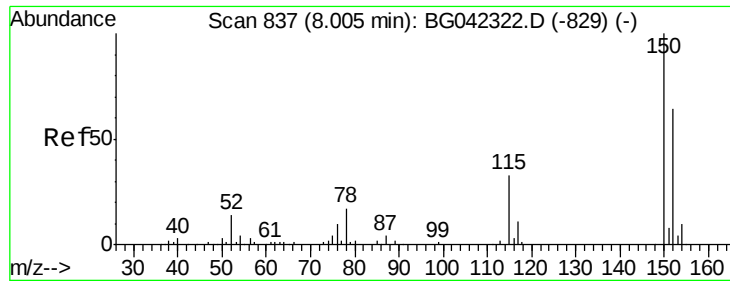
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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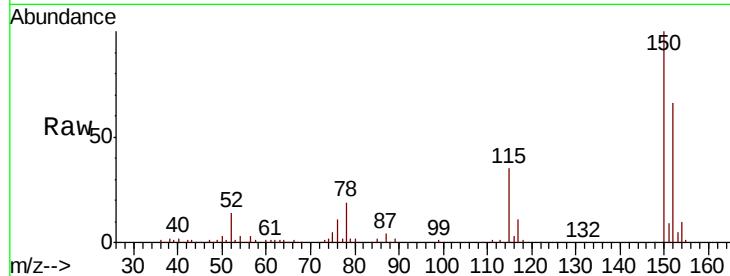


#1

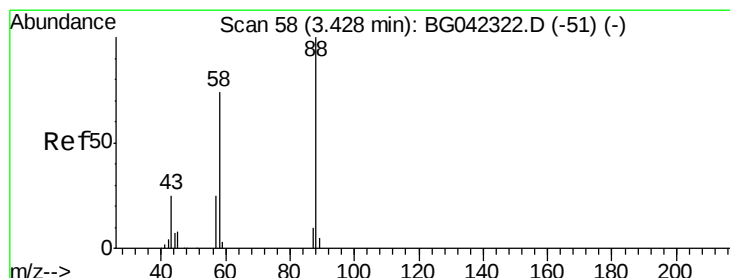
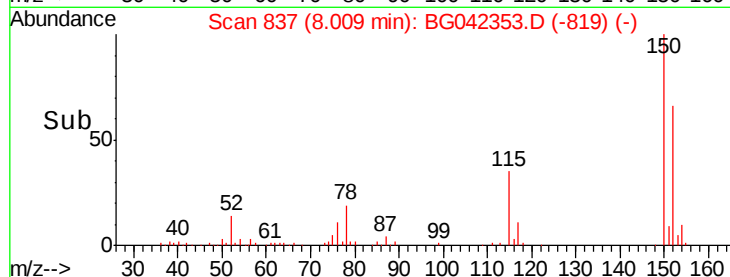
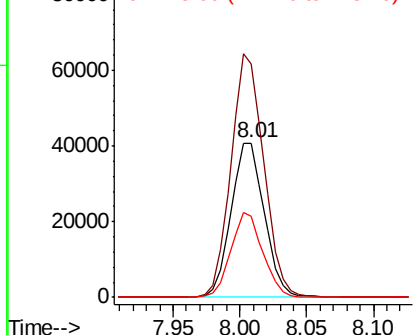
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042353.D
Acq: 20 Aug 2019 11:18

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 70626
Ion Ratio Lower Upper
152 100
150 151.0 124.3 186.5
115 52.2 40.5 60.7



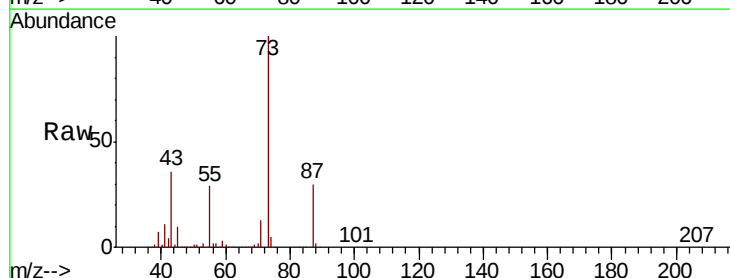
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



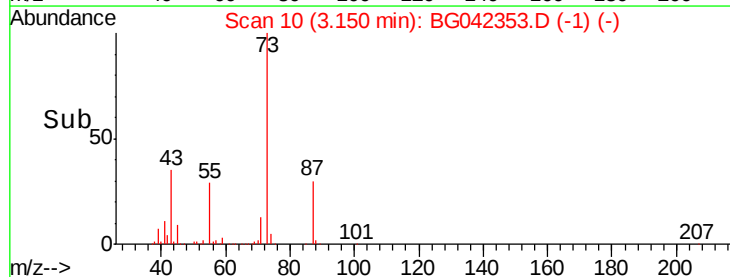
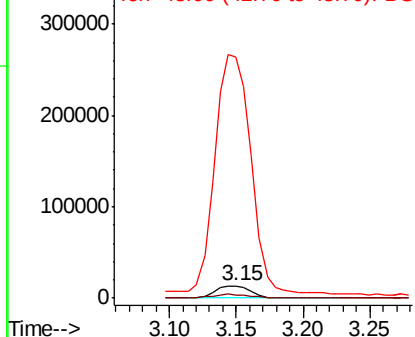
#2

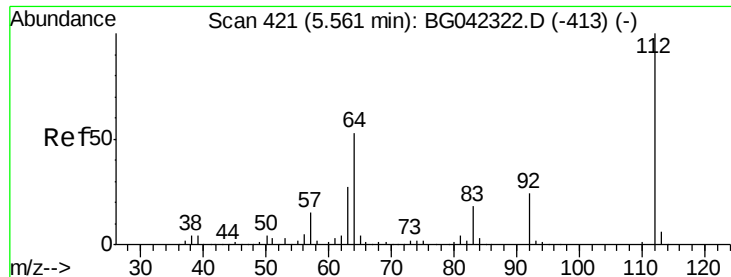
1,4-Dioxane
Concen: 17.028 ng
RT: 3.15 min Scan# 10
Delta R.T. -0.28 min
Lab File: BG042353.D
Acq: 20 Aug 2019 11:18

Tgt Ion: 88 Resp: 25597
Ion Ratio Lower Upper
88 100
58 26.4 58.6 88.0#
43 1955.4 19.4 29.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 128.831 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042353.D

Acq: 20 Aug 2019 11:18

Instrument :

BNA_G

ClientSampleId :

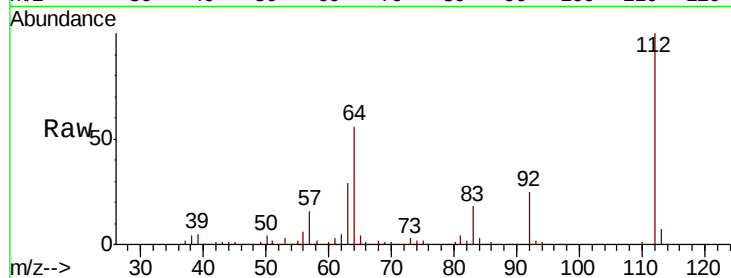
Tot Ion:112 Resp: 449082

Ion Ratio Lower Upper

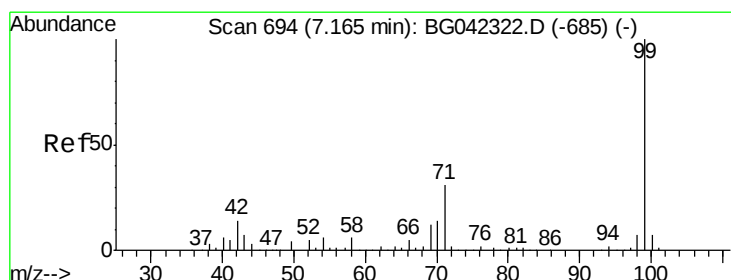
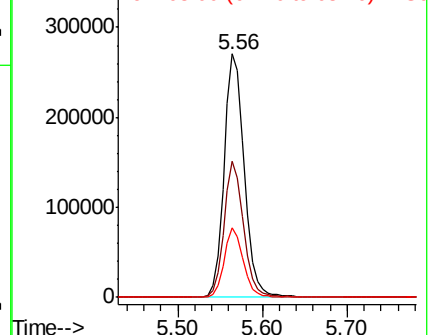
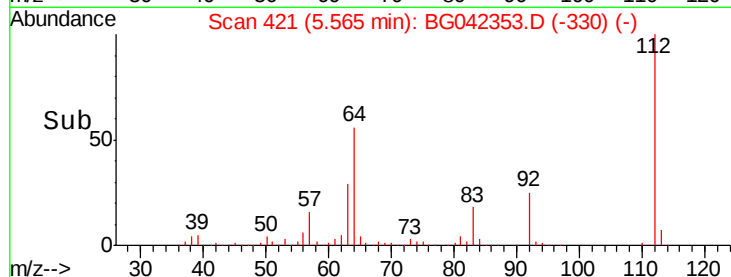
112 100

64 55.6 42.5 63.7

63 28.7 21.7 32.5



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



#7

Phenol-d6

Concen: 116.046 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042353.D

Acq: 20 Aug 2019 11:18

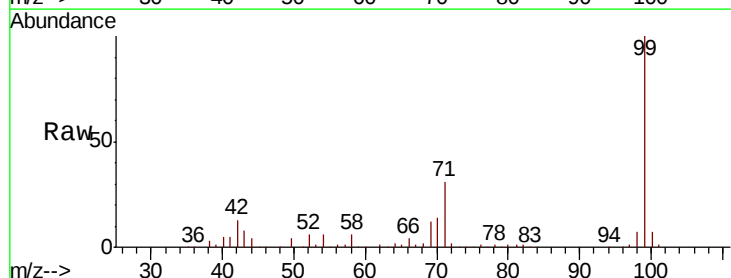
Tgt Ion: 99 Resp: 549382

Ion Ratio Lower Upper

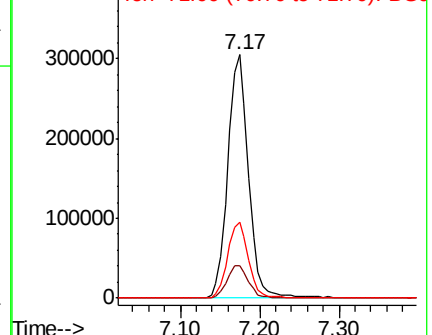
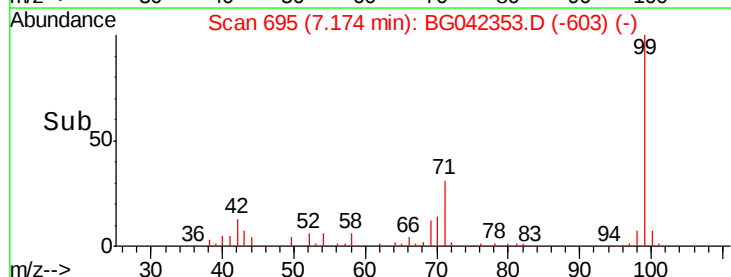
99 100

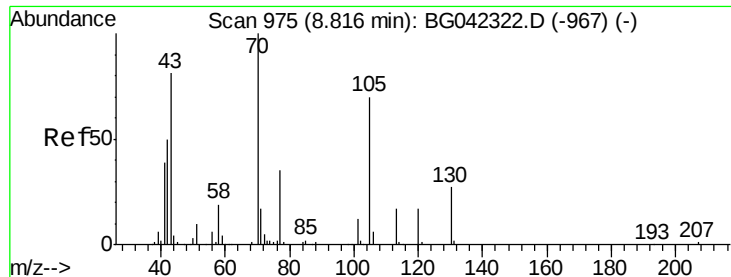
42 13.5 11.4 17.0

71 31.1 25.1 37.7



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

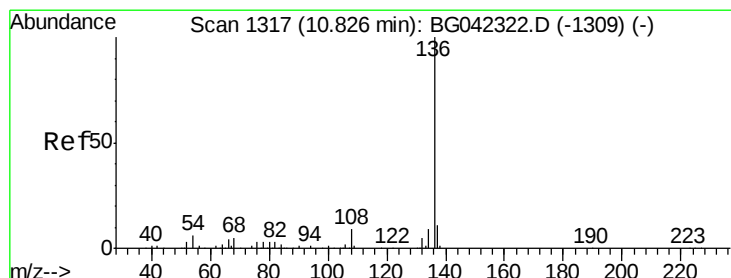
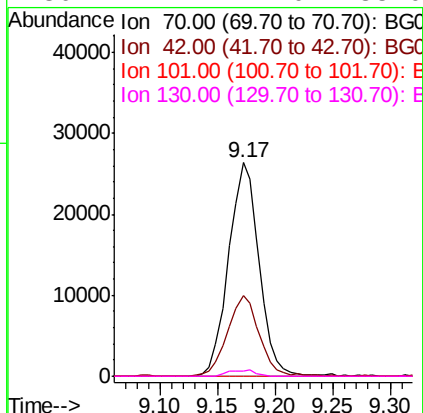
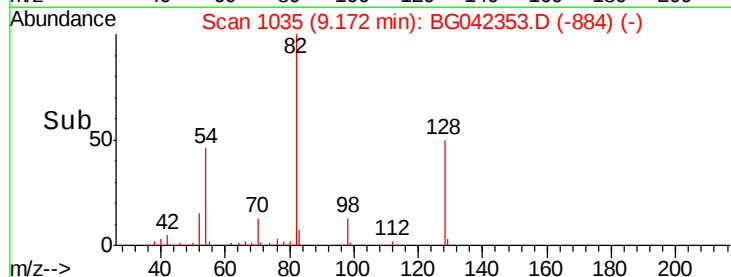
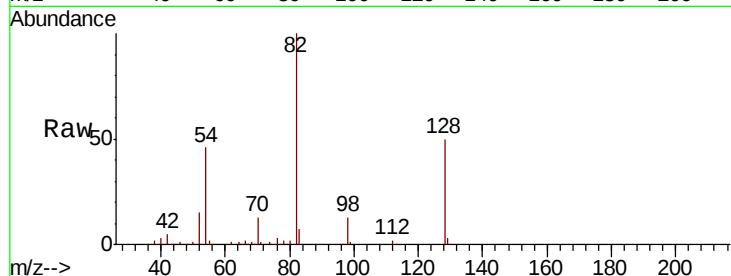




#19
n-Nitroso-di-n-propylamine
Concen: 15.870 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.36 min
Lab File: BG042353.D
Acq: 20 Aug 2019 11:18

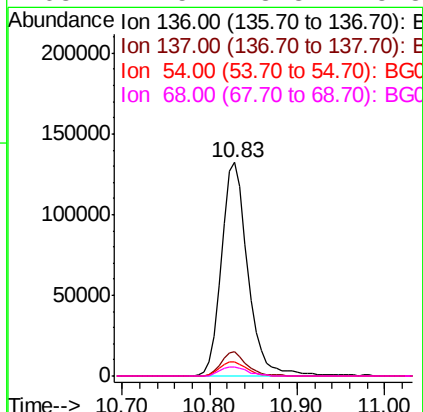
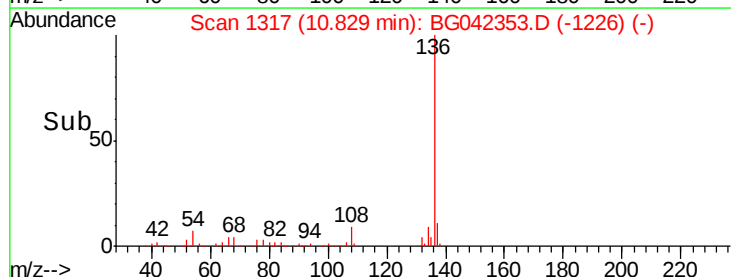
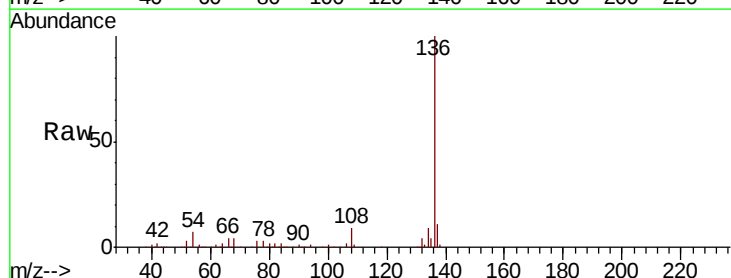
Instrument :
BNA_G
ClientSampleId :

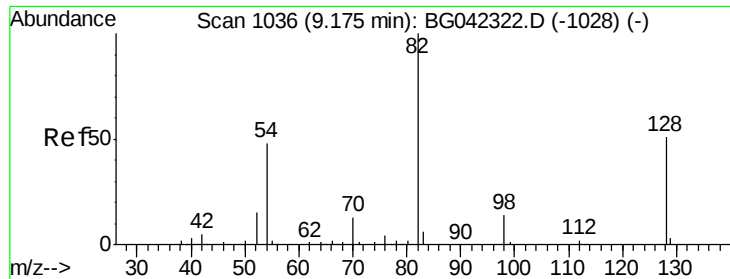
Tot Ion: 70 Resp: 48325
Ion Ratio Lower Upper
70 100
42 37.7 40.5 60.7#
101 0.0 9.3 13.9#
130 2.2 22.0 33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042353.D
Acq: 20 Aug 2019 11:18

Tgt Ion: 136 Resp: 272229
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 6.8 5.0 7.4
68 4.5 3.8 5.8

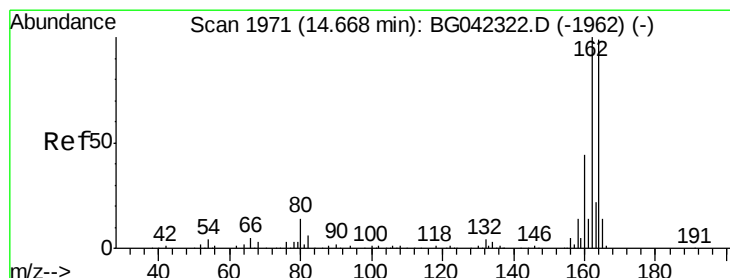
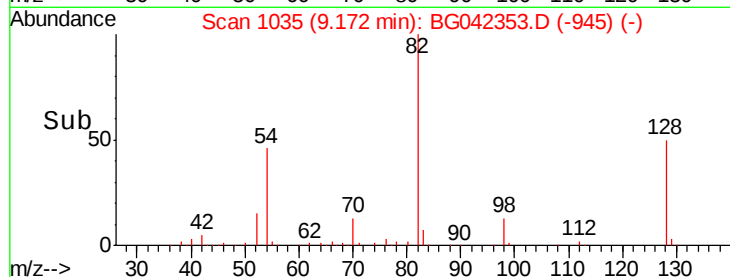
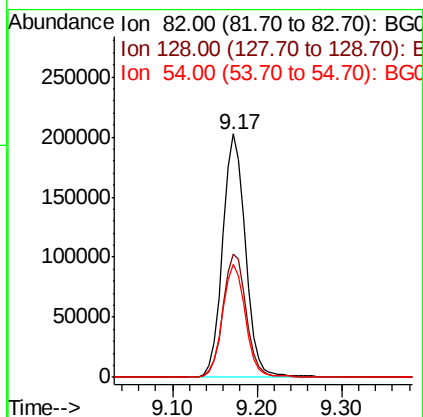
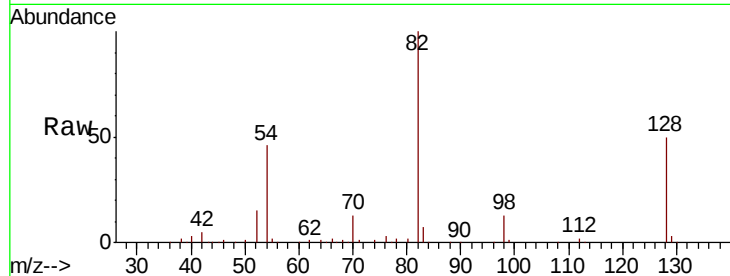




#23
Nitrobenzene-d5
Concen: 97.963 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG042353.D
Acq: 20 Aug 2019 11:18

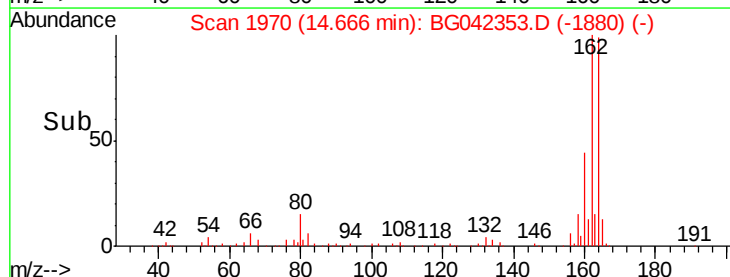
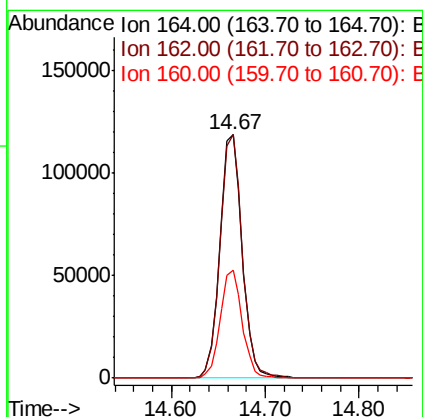
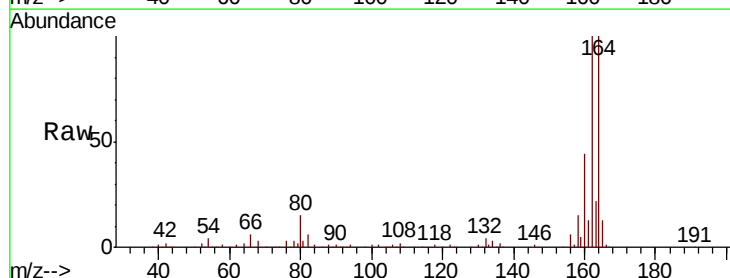
Instrument :
BNA_G
ClientSampleId :

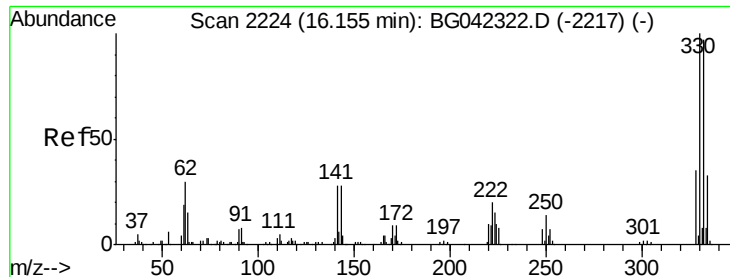
Tot Ion: 82 Resp: 379174
Ion Ratio Lower Upper
82 100
128 50.4 41.0 61.4
54 46.3 38.0 57.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042353.D
Acq: 20 Aug 2019 11:18

Tgt Ion:164 Resp: 196967
Ion Ratio Lower Upper
164 100
162 99.9 80.6 120.8
160 44.2 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 143.600 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042353.D

Acq: 20 Aug 2019 11:18

Instrument :

BNA_G

ClientSampled :

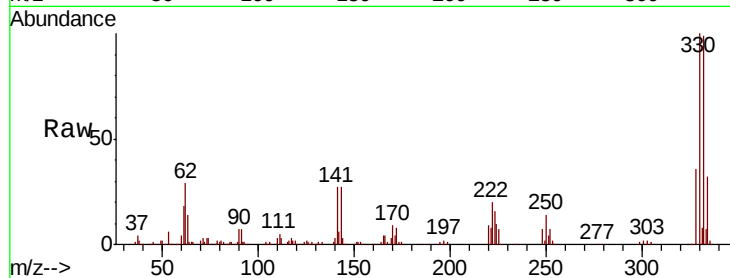
Tot Ion:330 Resp: 385229

Ion Ratio Lower Upper

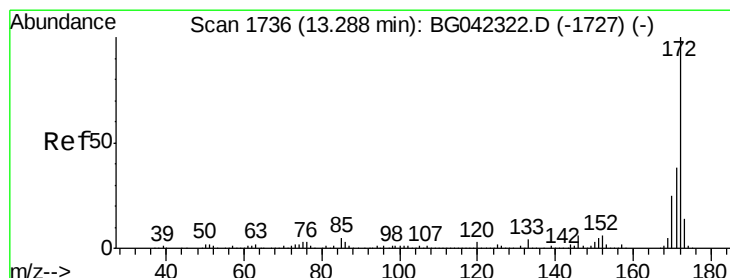
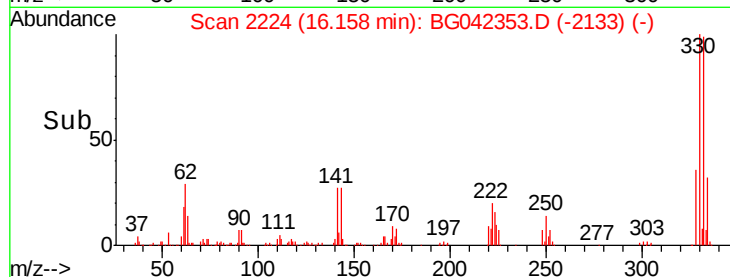
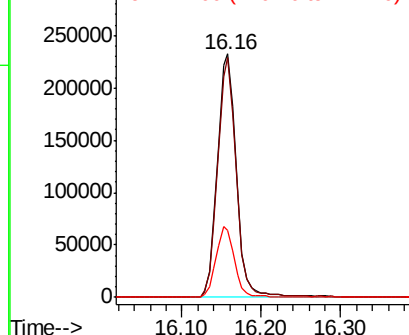
330 100

332 96.2 76.9 115.3

141 28.5 21.8 32.6



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: 98.425 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG042353.D

Acq: 20 Aug 2019 11:18

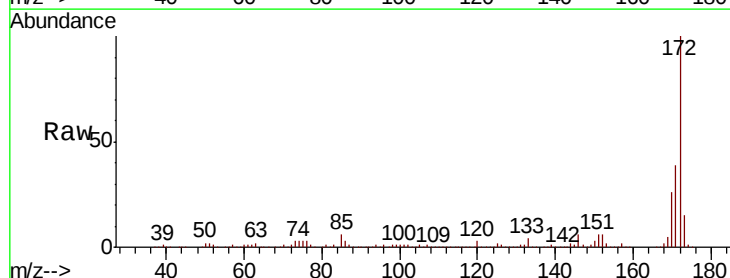
Tgt Ion:172 Resp: 1145671

Ion Ratio Lower Upper

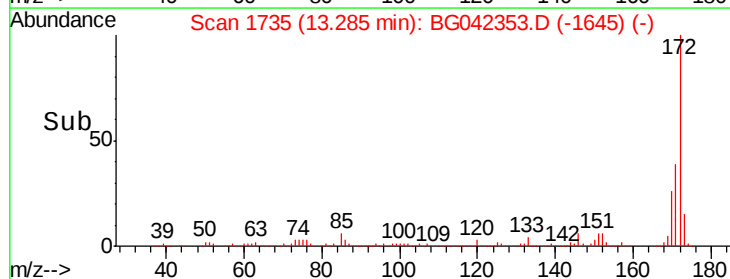
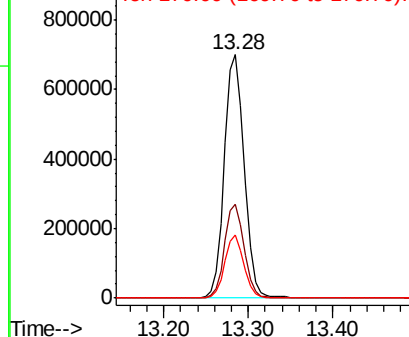
172 100

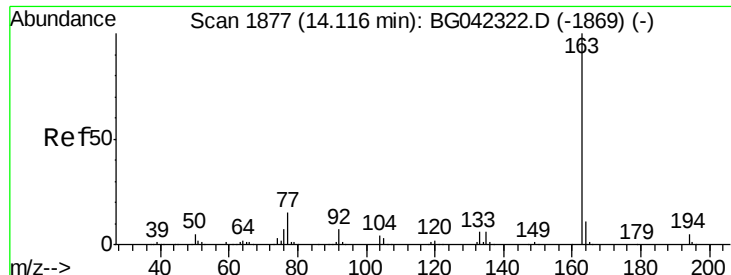
171 38.8 30.3 45.5

170 25.7 20.0 30.0



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: 2.585 ng

RT: 14.12 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BG042353.D

Acq: 20 Aug 2019 11:18

Instrument :

BNA_G

ClientSampleId :

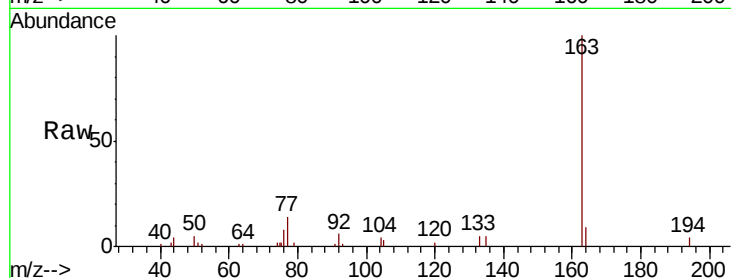
Tot Ion:163 Resp: 36184

Ion Ratio Lower Upper

163 100

194 4.3 4.2 6.2

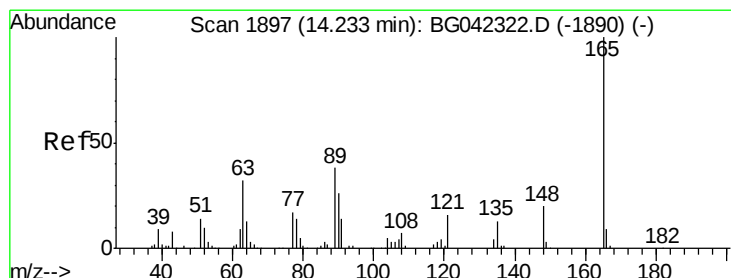
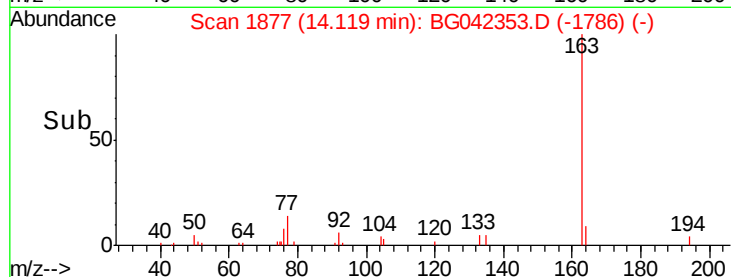
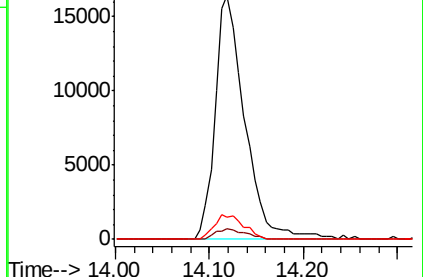
164 9.0 8.8 13.2



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: 7.791 ng

RT: 14.67 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042353.D

Acq: 20 Aug 2019 11:18

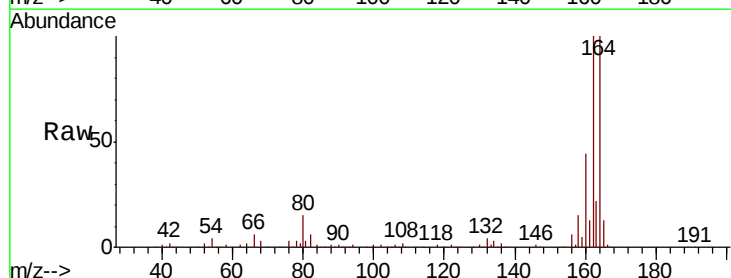
Tgt Ion:165 Resp: 25520

Ion Ratio Lower Upper

165 100

63 0.0 28.2 42.2#

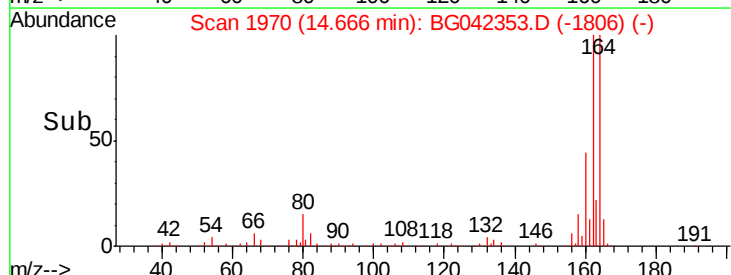
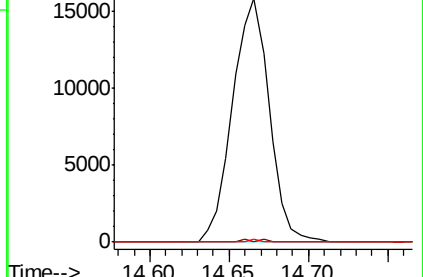
89 1.3 30.0 45.0#

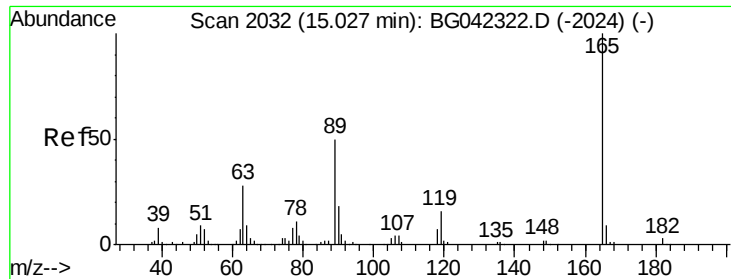


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

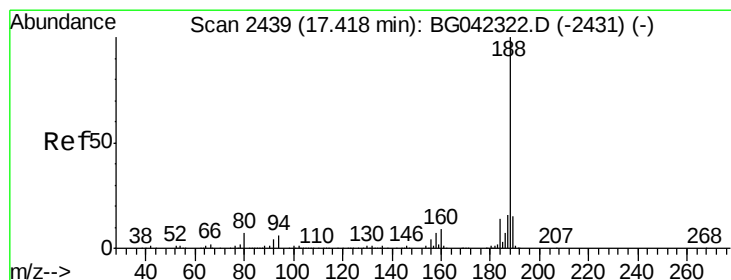
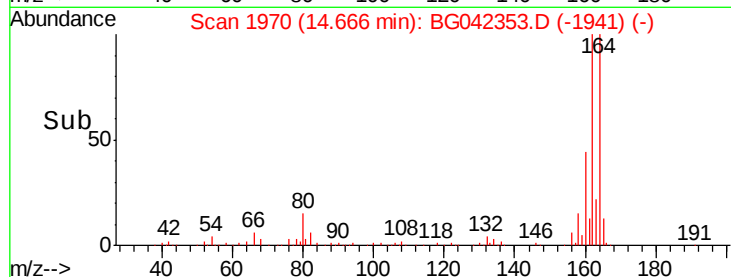
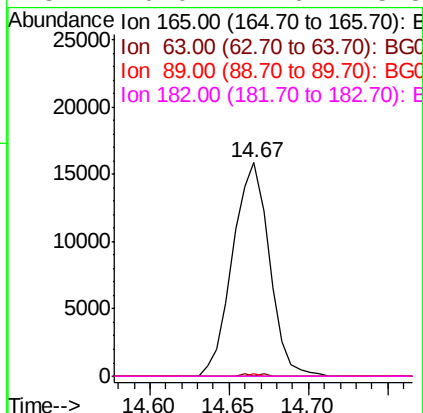
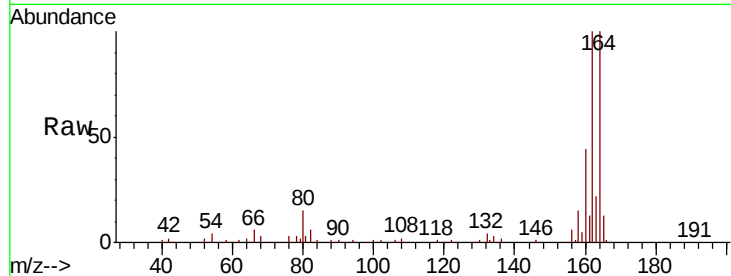




#57
 2,4-Dinitrotoluene
 Concen: 5.572 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042353.D
 Acq: 20 Aug 2019 11:18

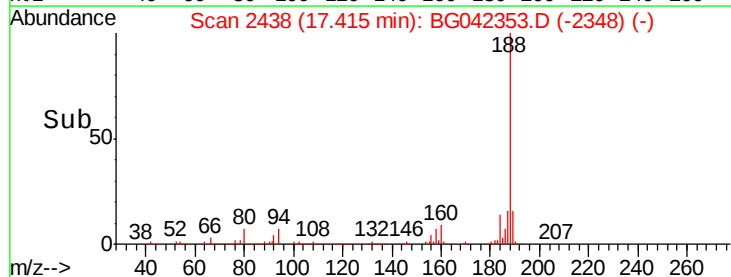
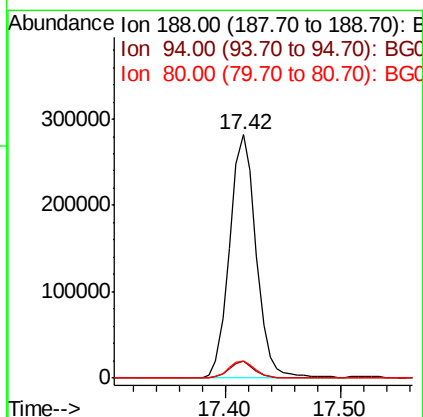
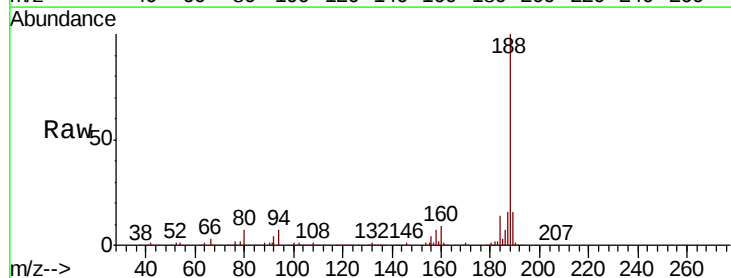
Instrument :
 BNA_G
 ClientSampleId :

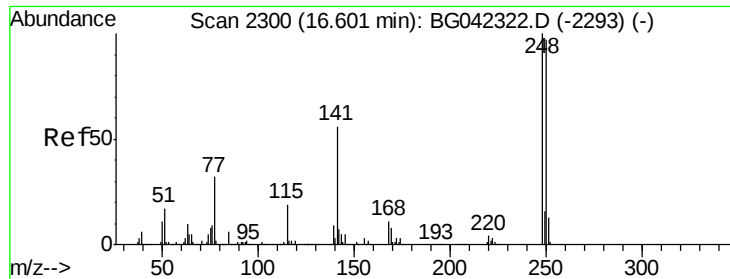
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.4	33.6#
89	1.3	40.2	60.2#
182	0.0	2.6	3.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BG042353.D
 Acq: 20 Aug 2019 11:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	4.9	7.3
80	6.8	5.4	8.0

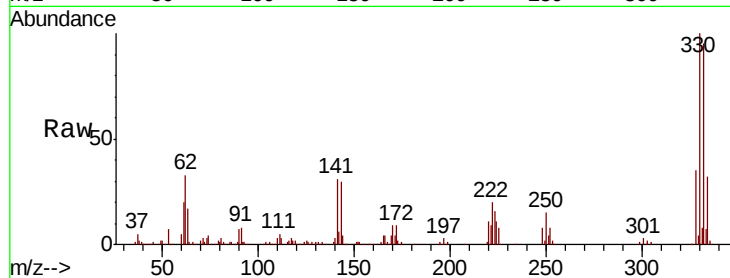




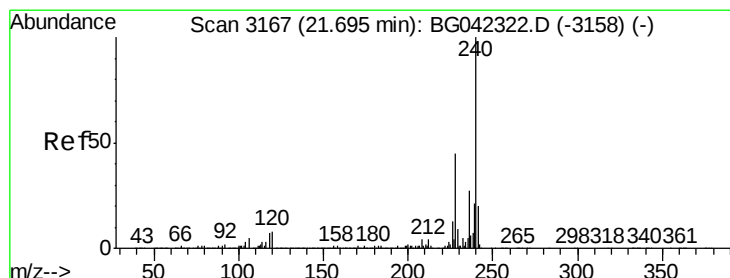
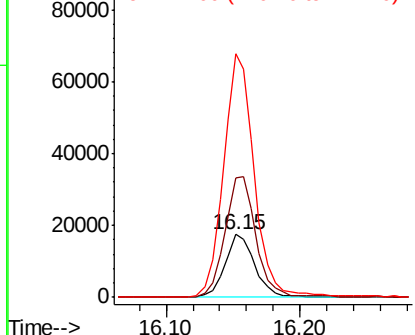
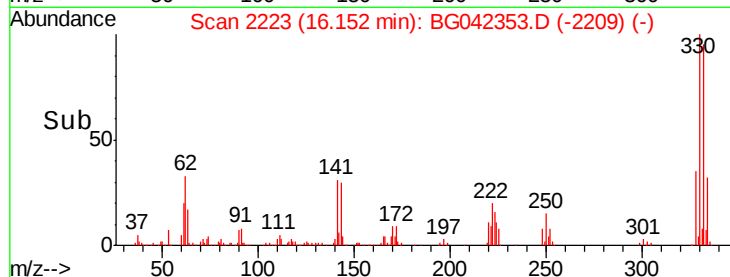
#67
 4-Bromophenyl-phenylether
 Concen: 4.733 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042353.D
 Acq: 20 Aug 2019 11:18

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 27143
 Ion Ratio Lower Upper
 248 100
 250 189.9 78.0 117.0#
 141 386.3 44.9 67.3#

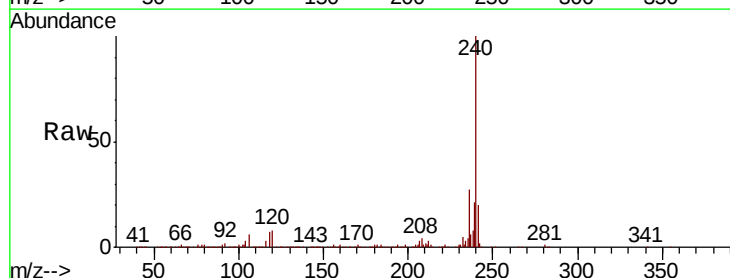


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

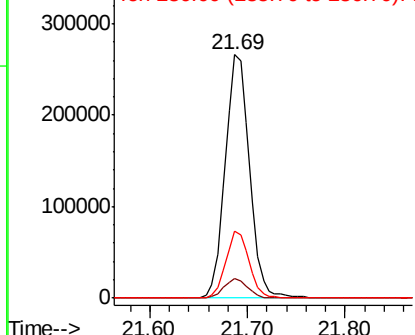
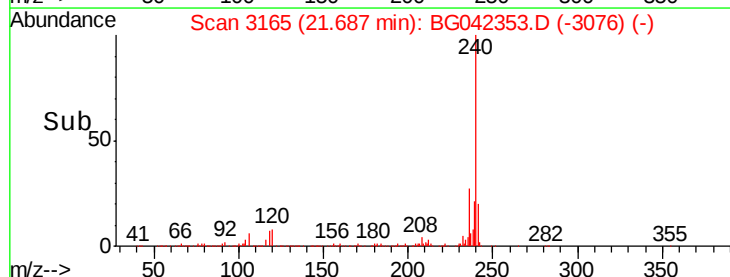


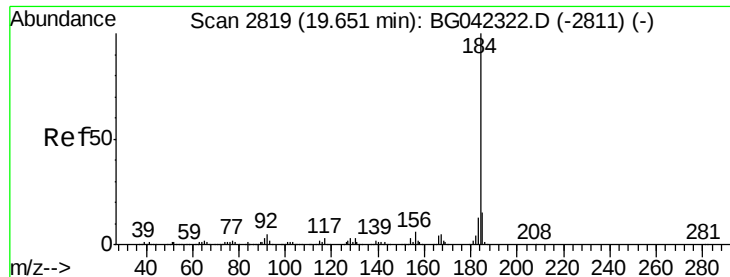
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042353.D
 Acq: 20 Aug 2019 11:18

Tgt Ion:240 Resp: 460025
 Ion Ratio Lower Upper
 240 100
 120 8.1 6.0 9.0
 236 27.3 21.6 32.4



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: 2.317 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042353.D

Acq: 20 Aug 2019 11:18

Instrument :

BNA_G

ClientSampled :

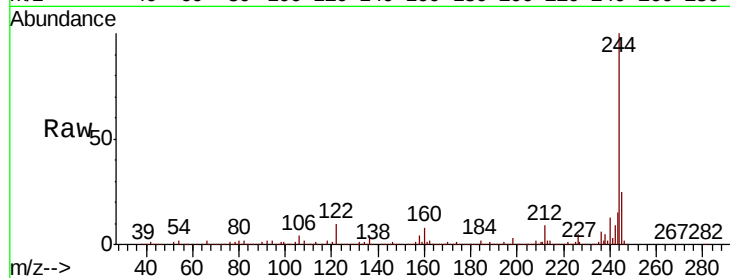
Tot Ion:184 Resp: 28263

Ion Ratio Lower Upper

184 100

185 16.4 11.8 17.6

183 10.1 10.6 15.8#

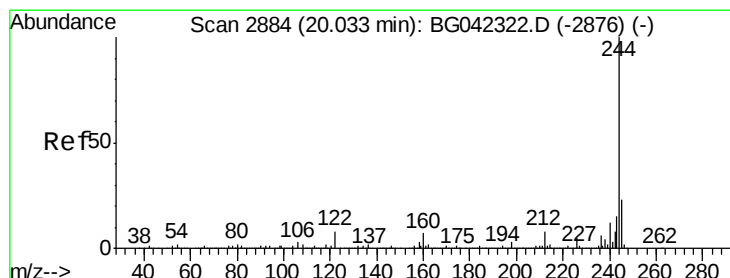
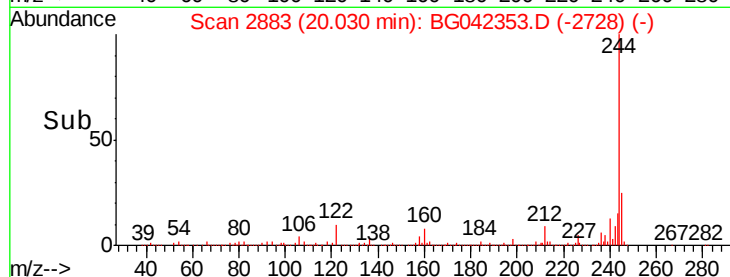
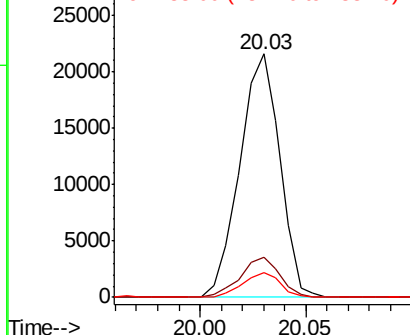


Abundance

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: 92.324 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042353.D

Acq: 20 Aug 2019 11:18

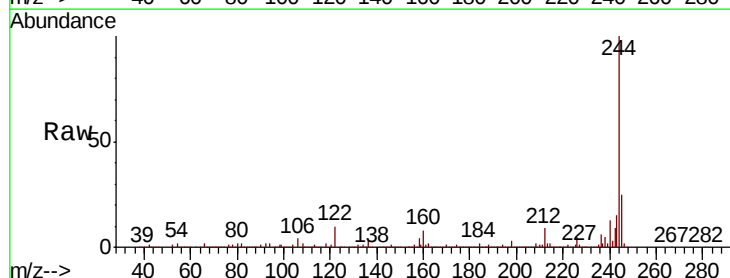
Tgt Ion:244 Resp: 1939079

Ion Ratio Lower Upper

244 100

212 8.8 6.4 9.6

122 10.0 6.6 10.0#

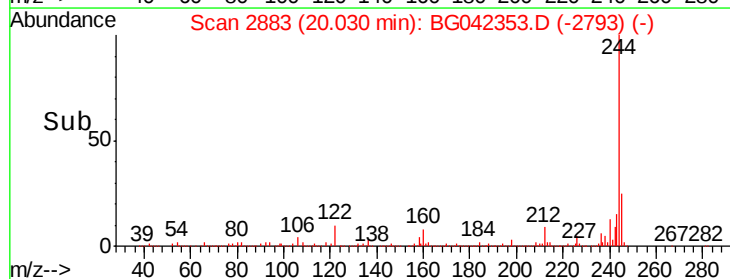
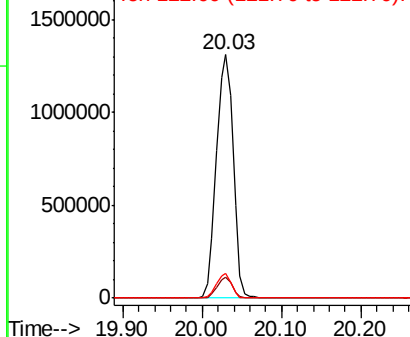


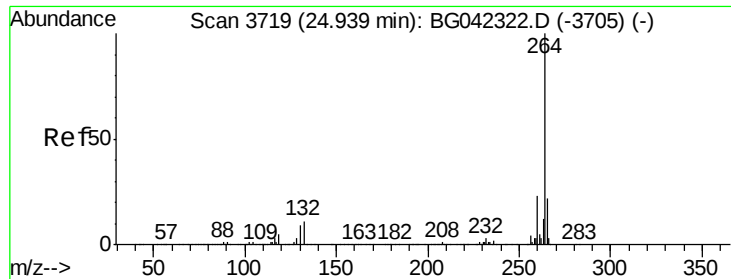
Abundance

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: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042353.D
 Acq: 20 Aug 2019 11:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.4	27.6
265	21.8	17.4	26.0

