

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082119\
 Data File : BG042393.D
 Acq On : 21 Aug 2019 21:16
 Operator : HP/JU
 Sample : K4413-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 22 01:24:32 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	56768	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	243742	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	203797	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	480208	20.00	ng	0.00
76) Chrysene-d12	21.69	240	417932	20.00	ng	0.00
87) Perylene-d12	24.95	264	495652	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	92380	32.97	ng	0.00
7) Phenol-d6	7.17	99	84663	22.25	ng	0.00
23) Nitrobenzene-d5	9.17	82	348684	100.61	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	271361	97.76	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1121102	93.09	ng	0.00
79) Terphenyl-d14	20.04	244	1930031	101.15	ng	0.00

Target Compounds

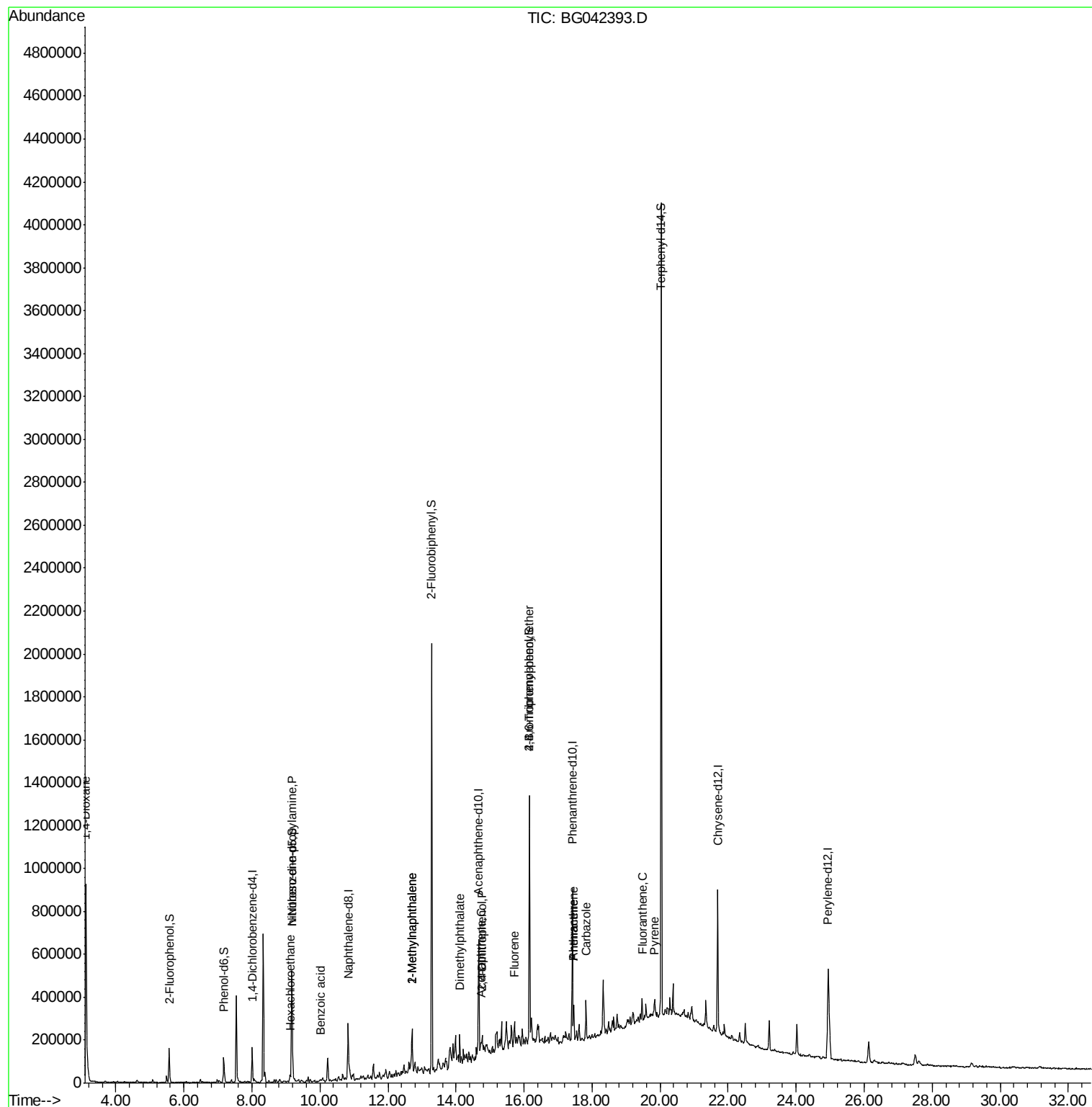
						Qvalue
2) 1,4-Dioxane	3.12	88	9766	8.082	ng	# 1
18) Hexachloroethane	9.13	117	6562	4.373	ng	# 13
19) n-Nitroso-di-n-propylamine	9.17	70	45270	18.496	ng	# 72
32) Benzoic acid	10.01	122	60	7.803	ng	# 67
37) 2-Methylnaphthalene	12.71	142	96003	10.603	ng	93
38) 1-Methylnaphthalene	12.71	142	96003	11.131	ng	97
50) Dimethylphthalate	14.11	163	111805	7.721	ng	99
52) Acenaphthene	14.73	154	27531	2.648	ng	95
54) 2,4-Dinitrophenol	14.77	184	138	6.570	ng	# 1
58) Fluorene	15.71	166	32463	2.357	ng	# 93
67) 4-Bromophenyl-phenylether	16.16	248	18584	3.041	ng	# 1
71) Phenanthrene	17.46	178	114596	4.792	ng	98
72) Anthracene	17.46	178	114596	4.804	ng	98
73) Carbazole	17.82	167	135006	6.372	ng	98
75) Fluoranthene	19.47	202	72484	2.513	ng	98
78) Pyrene	19.83	202	57133	2.222	ng	95

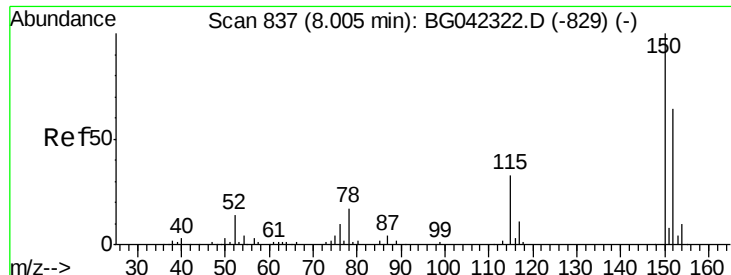
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082119\
Data File : BG042393.D
Acq On : 21 Aug 2019 21:16
Operator : HP/JU
Sample : K4413-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 22 01:24:32 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



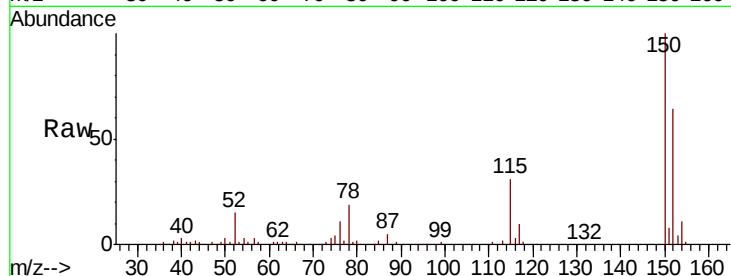


#1

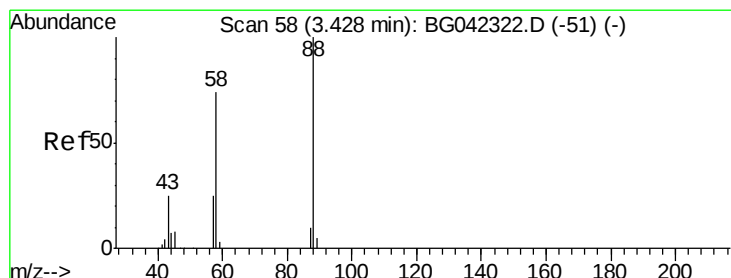
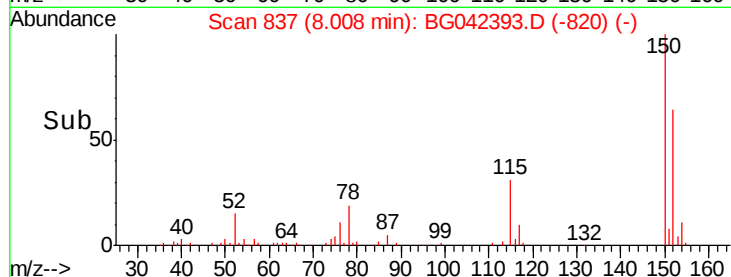
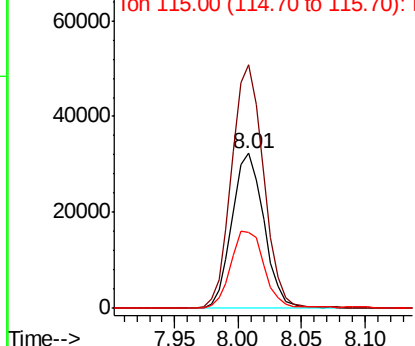
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56768
Ion Ratio Lower Upper
152 100
150 157.2 124.3 186.5
115 48.7 40.5 60.7



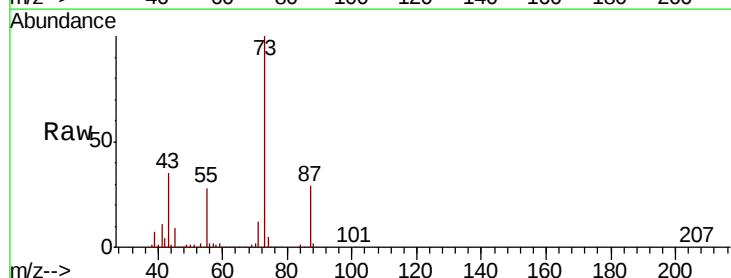
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



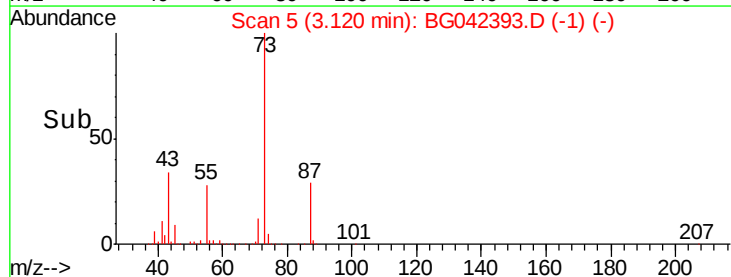
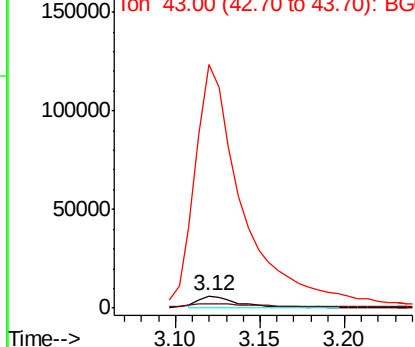
#2

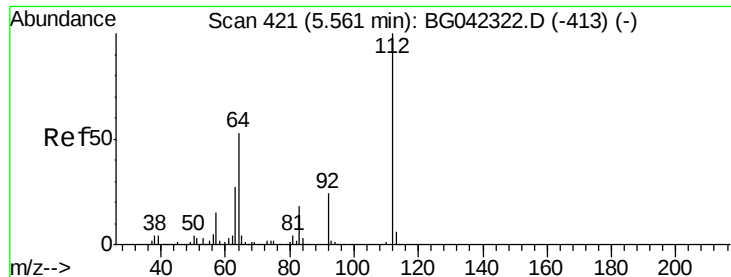
1,4-Dioxane
Concen: 8.082 ng
RT: 3.12 min Scan# 5
Delta R.T. -0.31 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Tgt Ion: 88 Resp: 9766
Ion Ratio Lower Upper
88 100
58 24.7 58.6 88.0#
43 2266.8 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: 32.971 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042393.D

Acq: 21 Aug 2019 21:16

Instrument :

BNA_G

ClientSampleId :

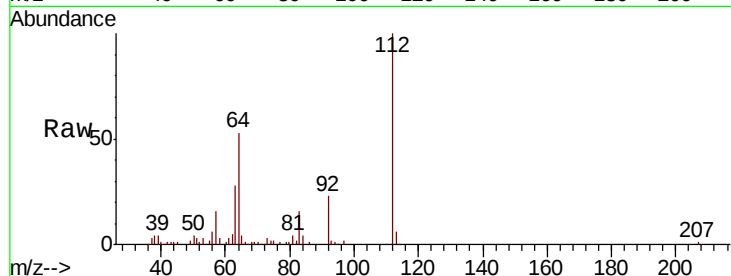
Tot Ion:112 Resp: 92380

Ion Ratio Lower Upper

112 100

64 52.6 42.5 63.7

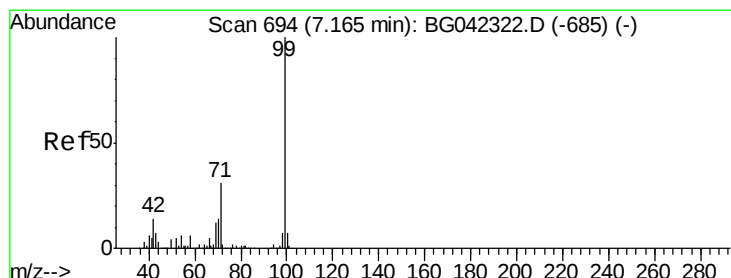
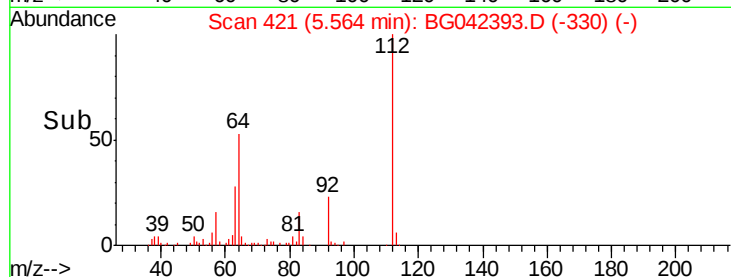
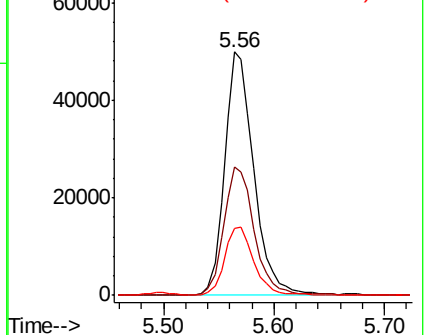
63 27.5 21.7 32.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 22.249 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042393.D

Acq: 21 Aug 2019 21:16

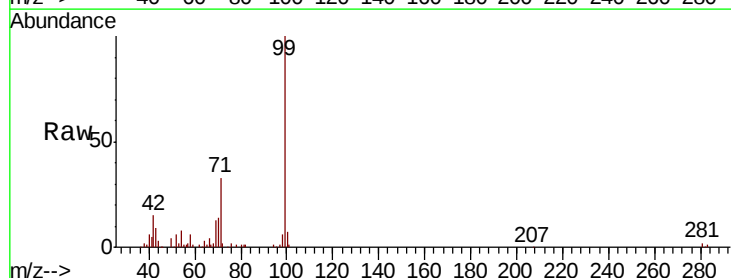
Tgt Ion: 99 Resp: 84663

Ion Ratio Lower Upper

99 100

42 14.8 11.4 17.0

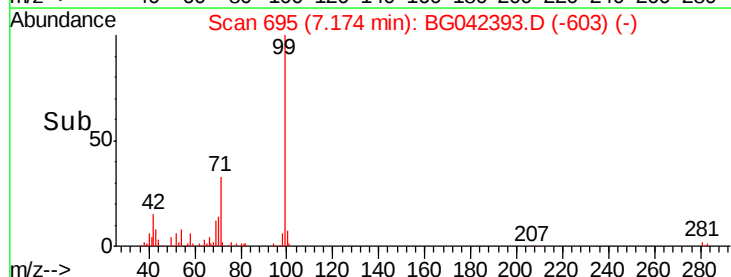
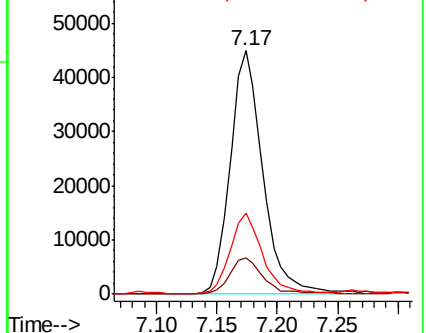
71 33.4 25.1 37.7

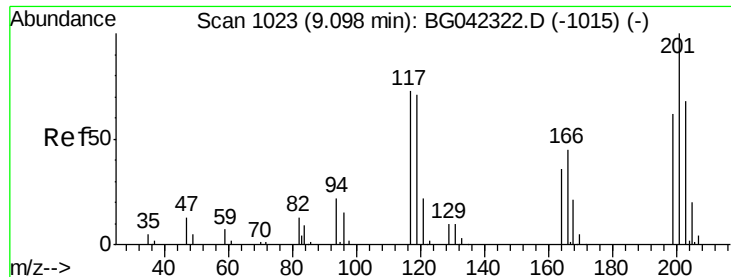


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

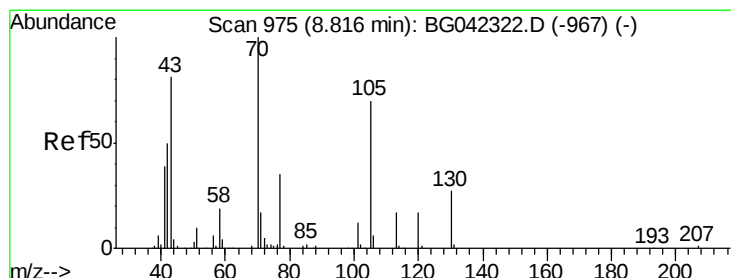
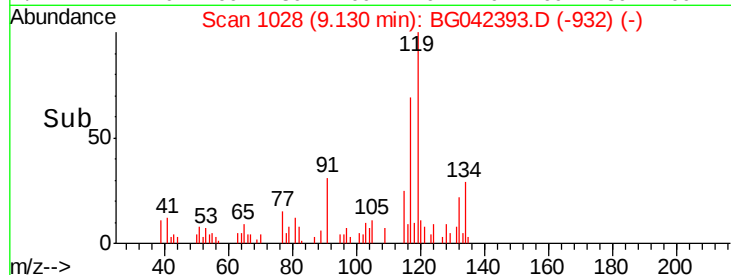
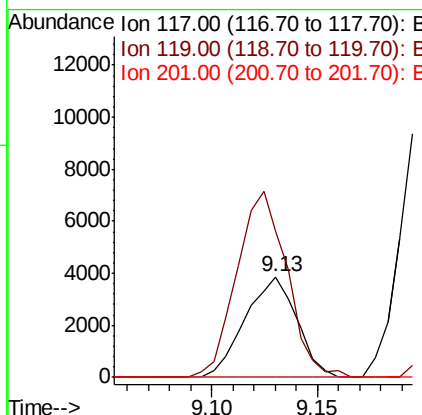
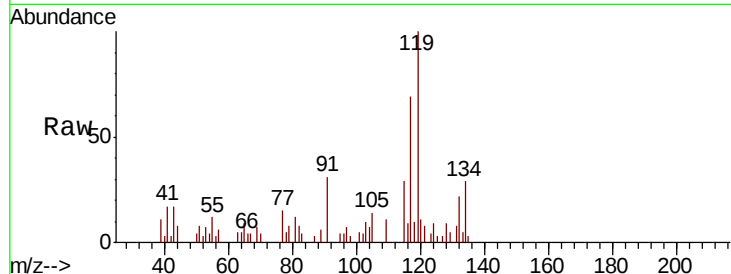




#18
Hexachloroethane
Concen: 4.373 ng
RT: 9.13 min Scan# 1028
Delta R.T. 0.03 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

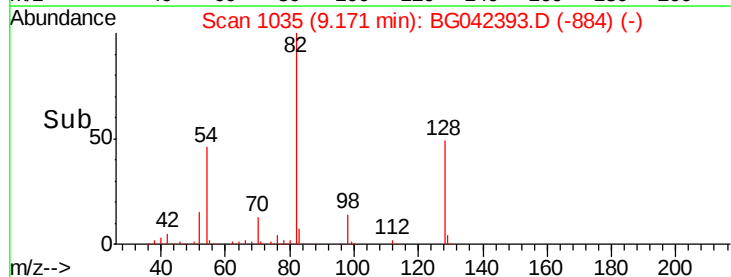
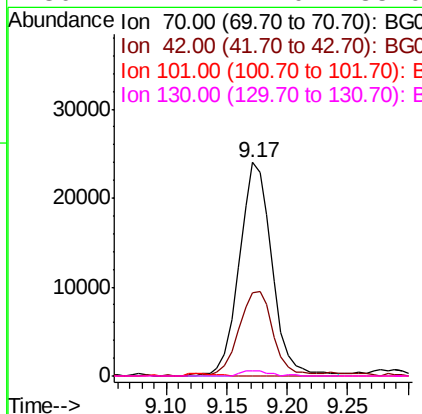
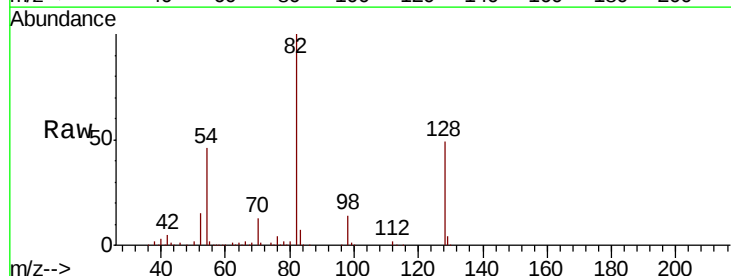
Instrument :
BNA_G
ClientSampleId :

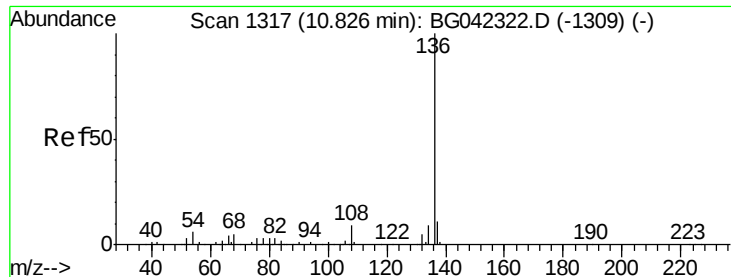
Tot Ion:117 Resp: 6562
Ion Ratio Lower Upper
117 100
119 144.7 77.6 116.4#
201 0.0 109.4 164.2#



#19
n-Nitroso-di-n-propylamine
Concen: 18.496 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.36 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Tgt Ion: 70 Resp: 45270
Ion Ratio Lower Upper
70 100
42 39.2 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: BG042393.D

Acq: 21 Aug 2019 21:16

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 243742

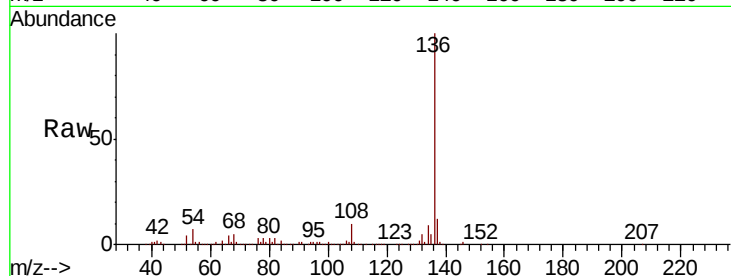
Ion Ratio Lower Upper

136 100

137 11.5 8.4 12.6

54 6.7 5.0 7.4

68 4.8 3.8 5.8

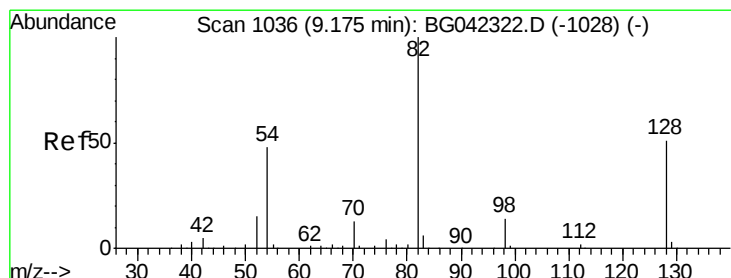
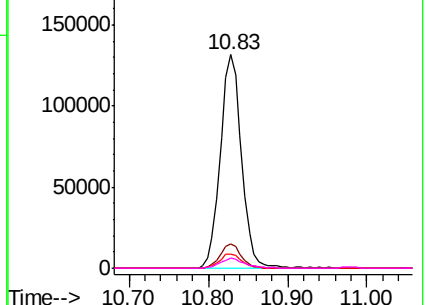
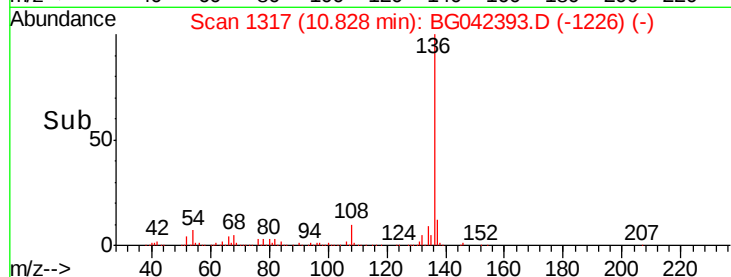


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.614 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BG042393.D

Acq: 21 Aug 2019 21:16

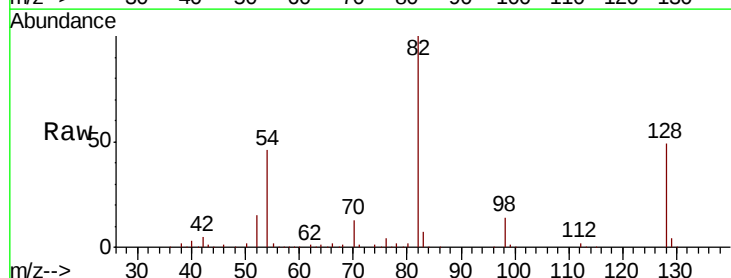
Tgt Ion: 82 Resp: 348684

Ion Ratio Lower Upper

82 100

128 48.7 41.0 61.4

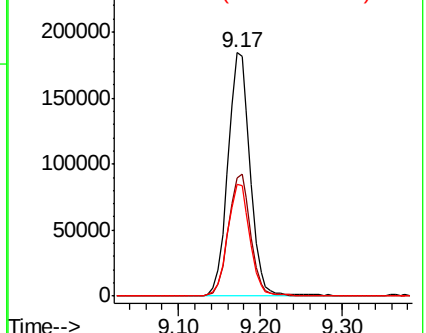
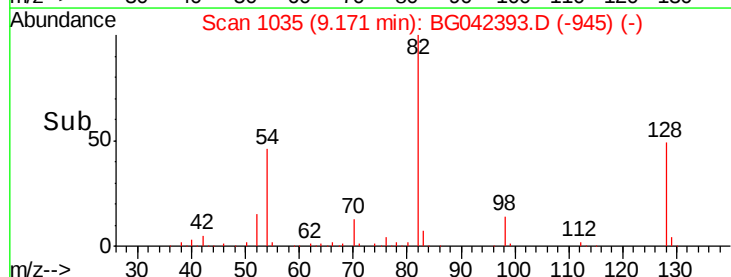
54 46.0 38.0 57.0

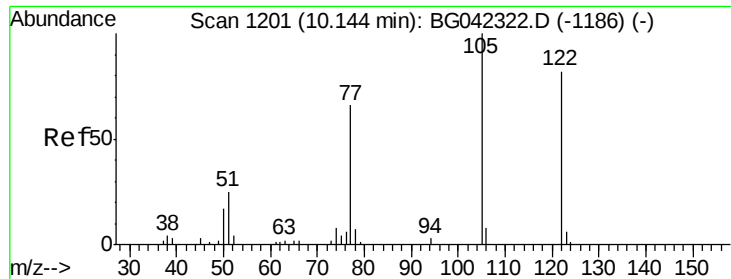


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

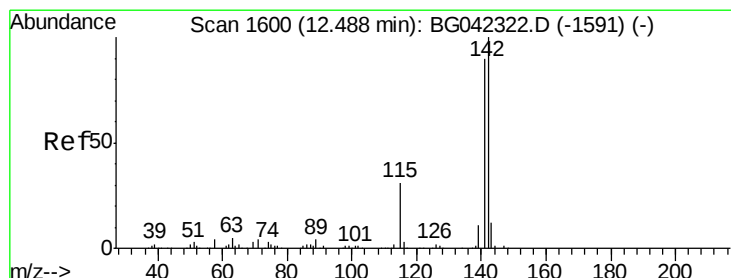
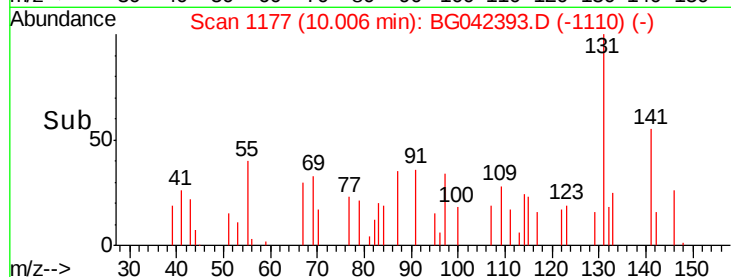
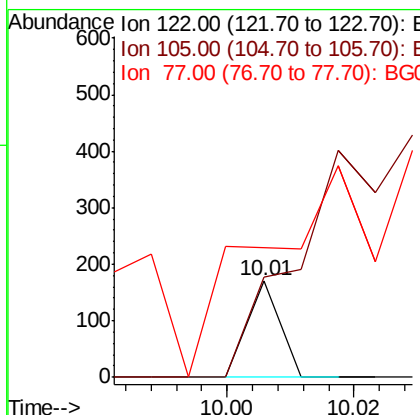
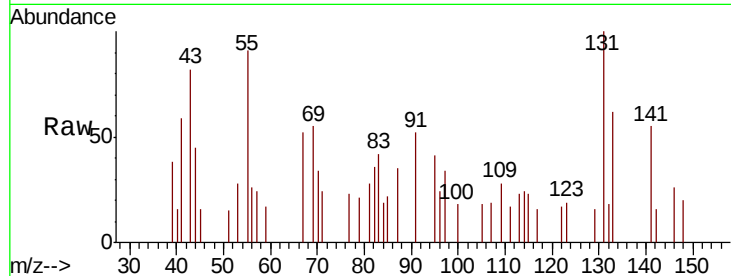




#32
Benzoic acid
Concen: 7.803 ng
RT: 10.01 min Scan# 1177
Delta R.T. -0.14 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

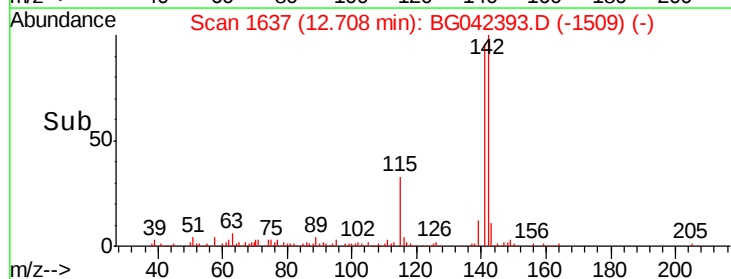
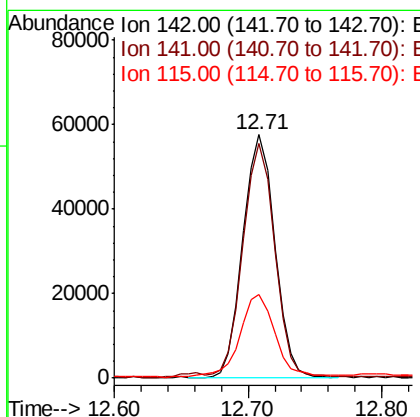
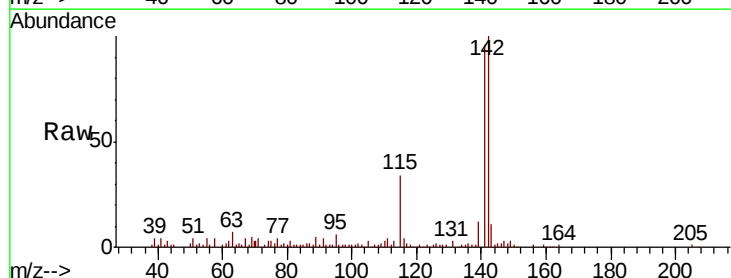
Instrument :
BNA_G
ClientSampled :

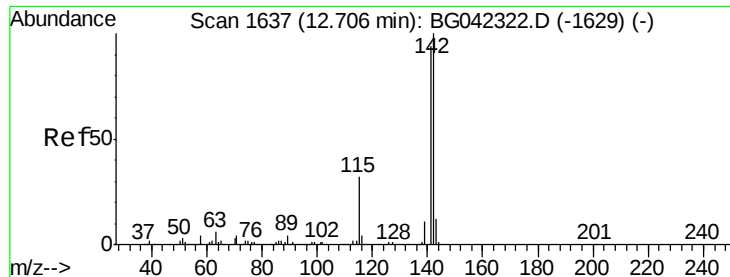
Tot Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 103.5 97.7 137.7
77 134.5 58.4 98.4#



#37
2-Methylnaphthalene
Concen: 10.603 ng
RT: 12.71 min Scan# 1637
Delta R.T. 0.22 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Tgt Ion:142 Resp: 96003
Ion Ratio Lower Upper
142 100
141 96.4 72.1 108.1
115 34.2 24.4 36.6

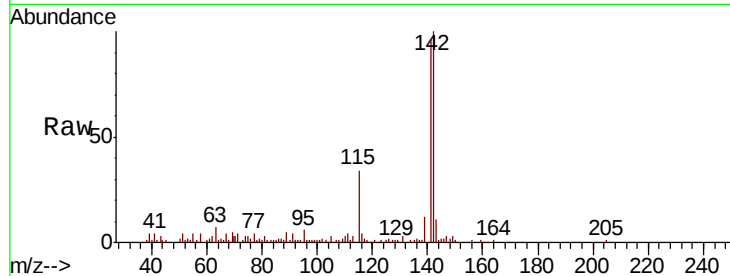




#38
1-Methylnaphthalene
Concen: 11.131 ng
RT: 12.71 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	96.4	75.1	112.7
116	4.5	3.0	4.6

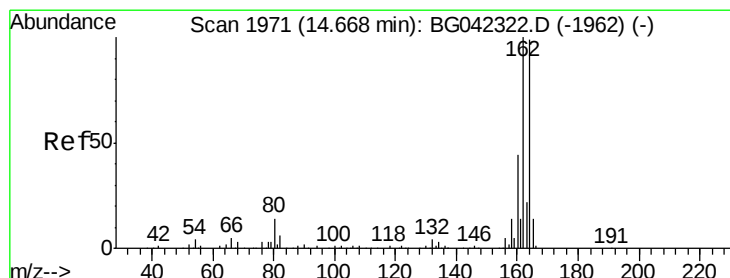
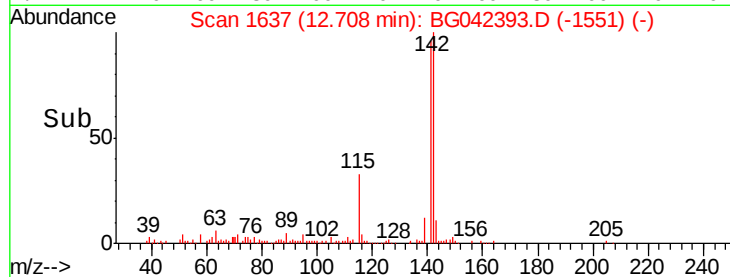
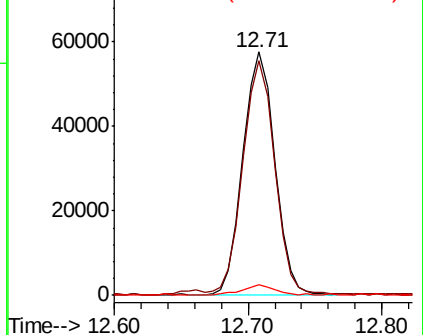


Abundance

Ion 142.00 (141.70 to 142.70): E

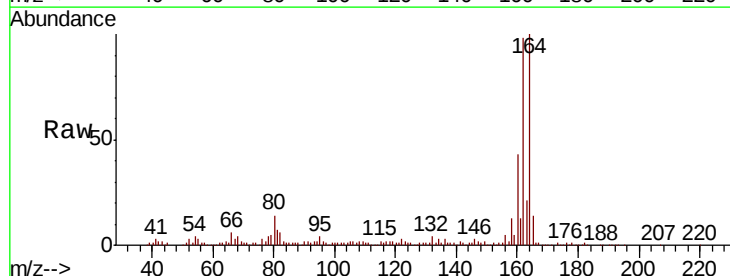
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.2	80.6	120.8
160	43.4	35.7	53.5

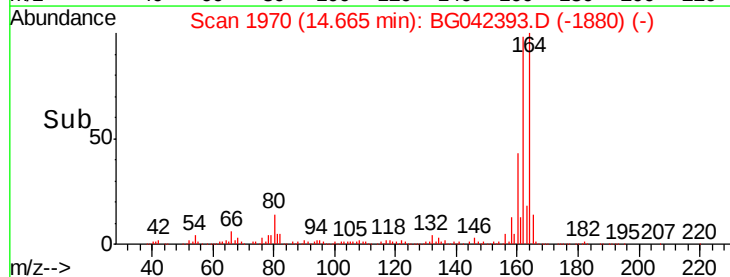
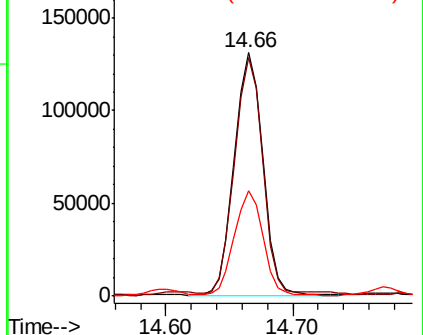


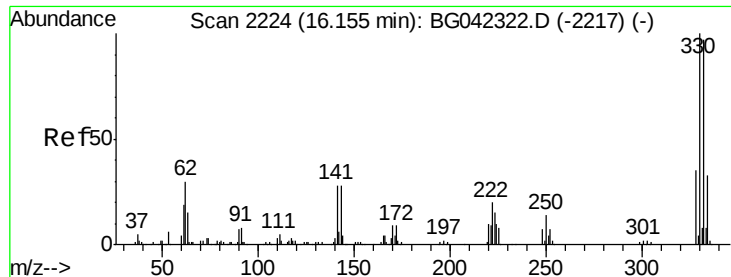
Abundance

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

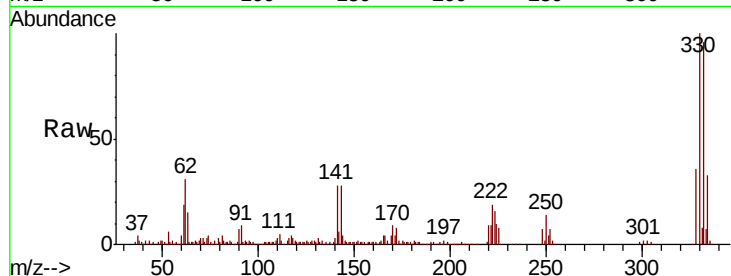




#42
 2,4,6-Tribromophenol
 Concen: 97.764 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BG042393.D
 Acq: 21 Aug 2019 21:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.9	115.3
141	27.0	21.8	32.6

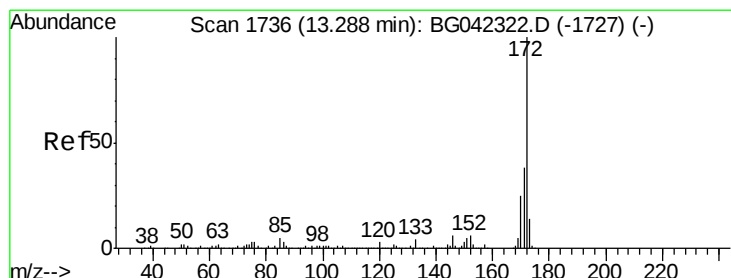
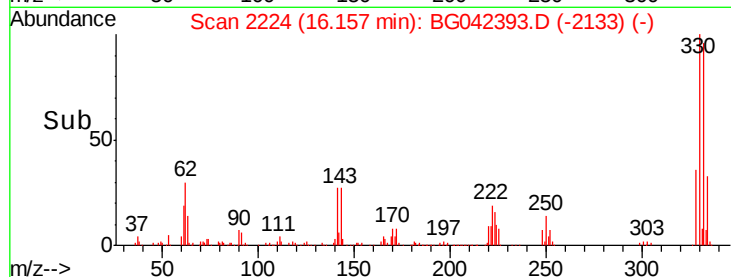
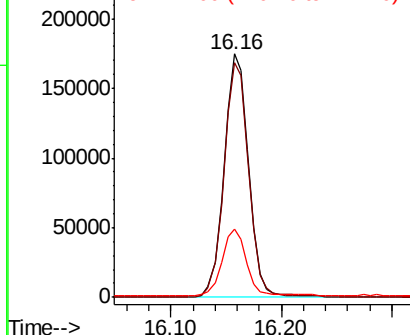


Abundance

Ion 329.80 (329.50 to 330.50): E

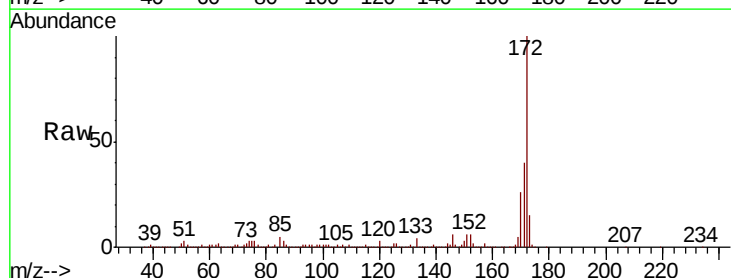
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 93.087 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042393.D
 Acq: 21 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.0	30.3	45.5
170	26.0	20.0	30.0

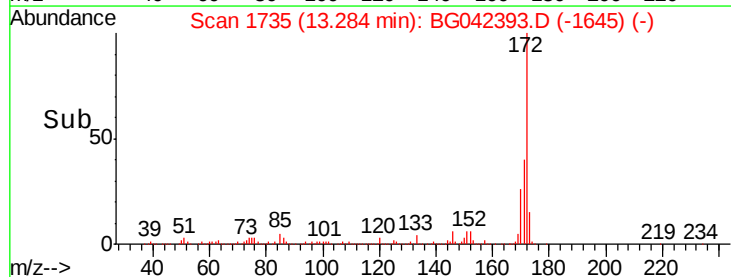
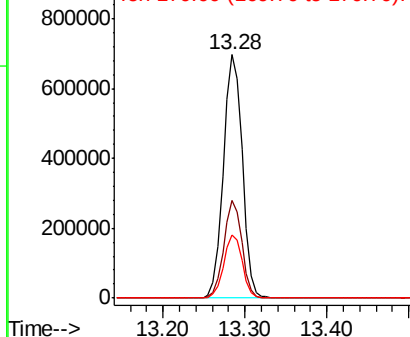


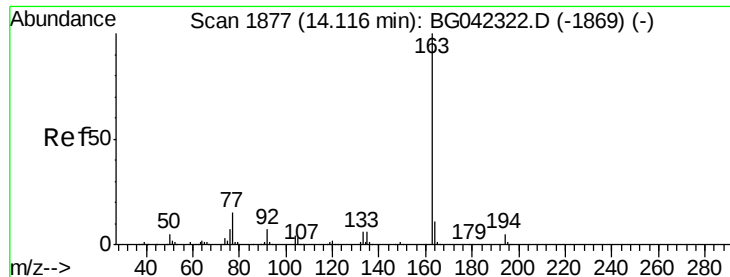
Abundance

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

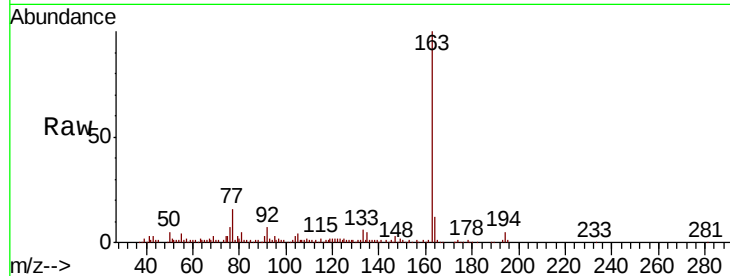




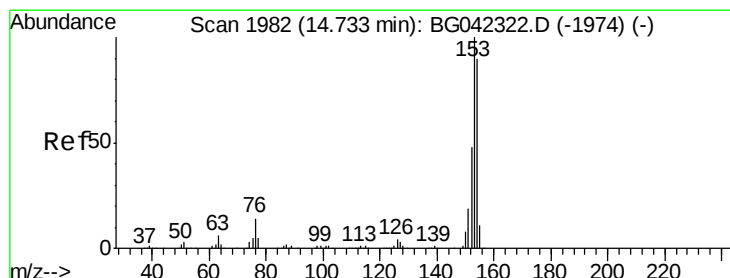
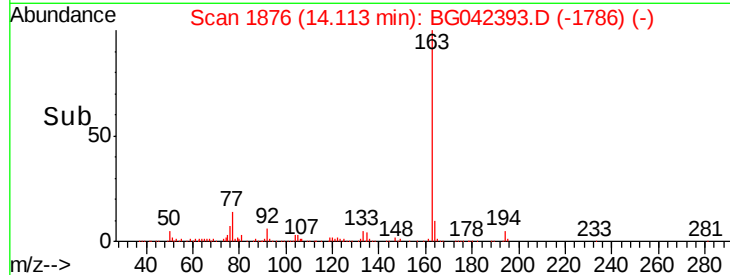
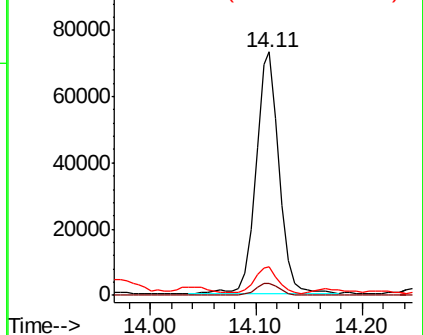
#50
Dimethylphthalate
Concen: 7.721 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 111805
Ion Ratio Lower Upper
163 100
194 5.0 4.2 6.2
164 11.5 8.8 13.2

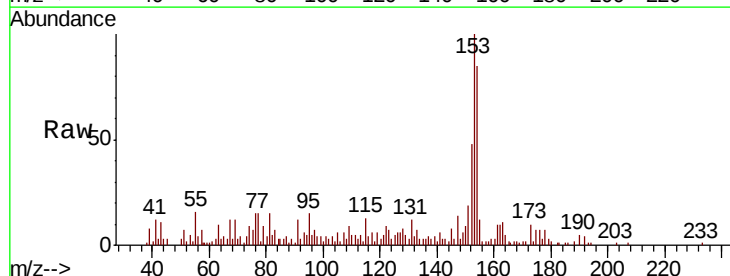


Abundance Ion 163.00 (162.70 to 163.70): E
100000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

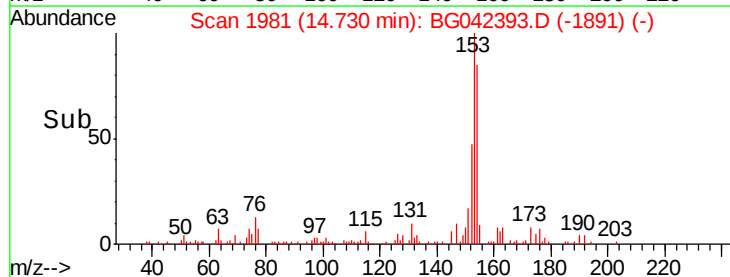
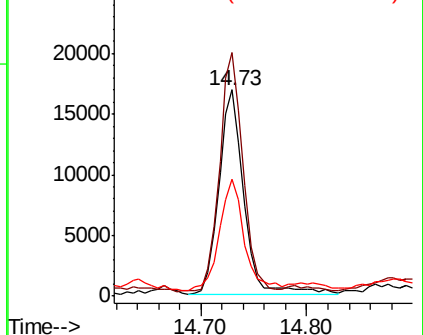


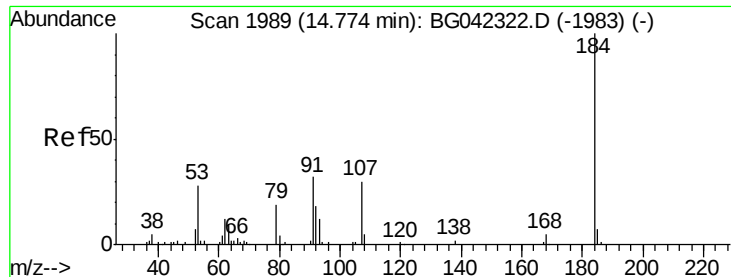
#52
Acenaphthene
Concen: 2.648 ng
RT: 14.73 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Tgt Ion:154 Resp: 27531
Ion Ratio Lower Upper
154 100
153 118.0 89.4 134.0
152 56.6 43.1 64.7



Abundance Ion 154.00 (153.70 to 154.70): E
25000
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

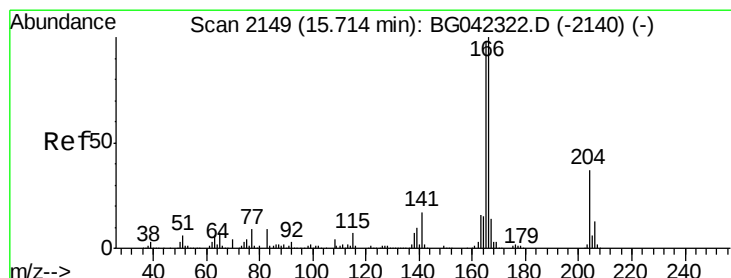
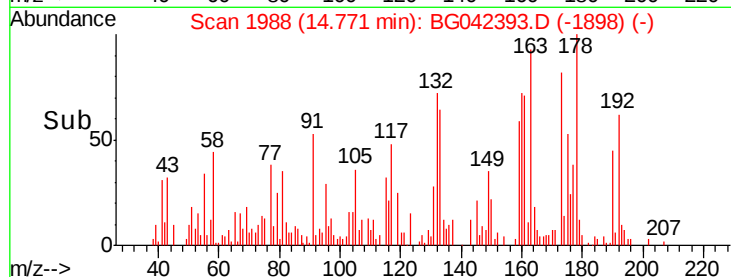
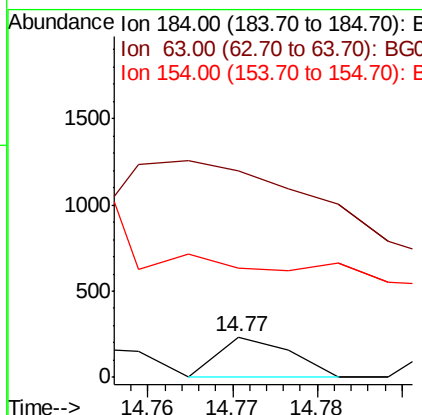
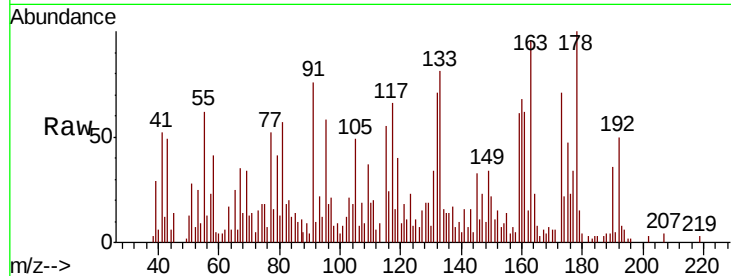




#54
 2,4-Dinitrophenol
 Concen: 6.570 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: BG042393.D
 Acq: 21 Aug 2019 21:16

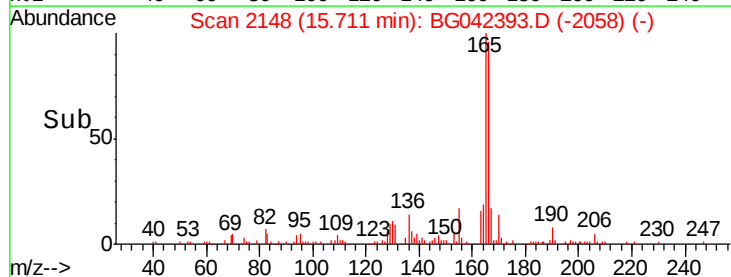
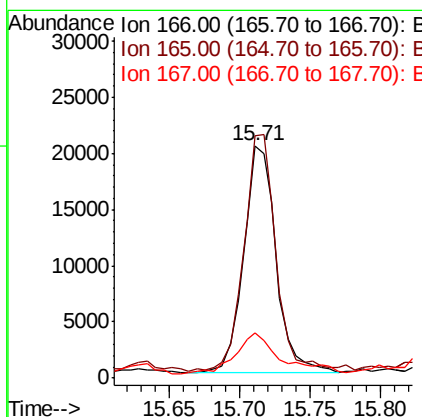
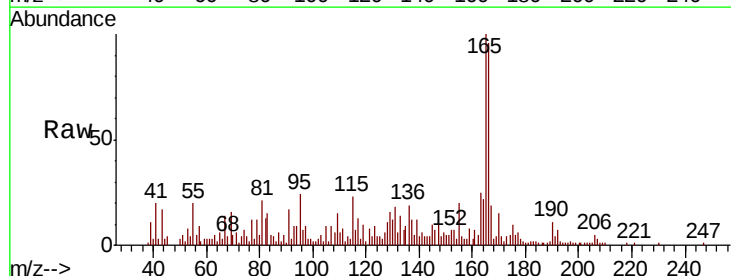
Instrument :
 BNA_G
 ClientSampleId :

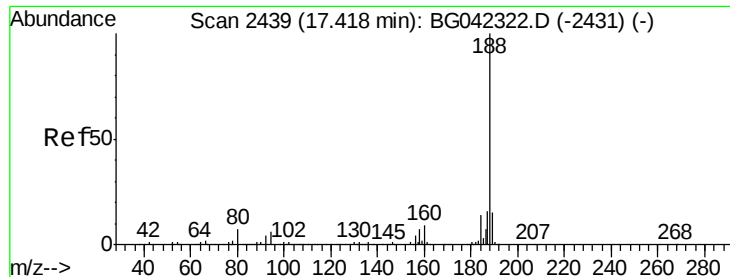
Tot Ion:184 Resp: 138
 Ion Ratio Lower Upper
 184 100
 63 511.1 30.2 45.4#
 154 271.8 39.7 59.5#



#58
 Fluorene
 Concen: 2.357 ng
 RT: 15.71 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: BG042393.D
 Acq: 21 Aug 2019 21:16

Tgt Ion:166 Resp: 32463
 Ion Ratio Lower Upper
 166 100
 165 104.1 78.7 118.1
 167 19.5 11.1 16.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG042393.D

Acq: 21 Aug 2019 21:16

Instrument :

BNA_G

ClientSampleId :

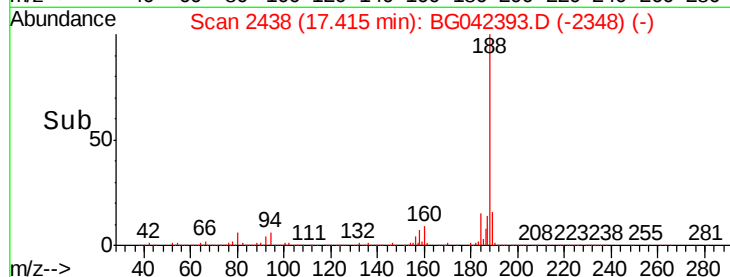
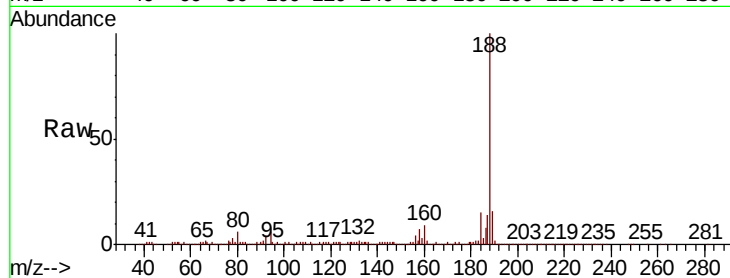
Tot Ion:188 Resp: 480208

Ion Ratio Lower Upper

188 100

94 6.3 4.9 7.3

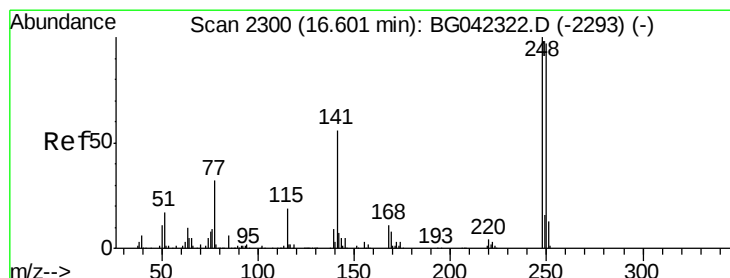
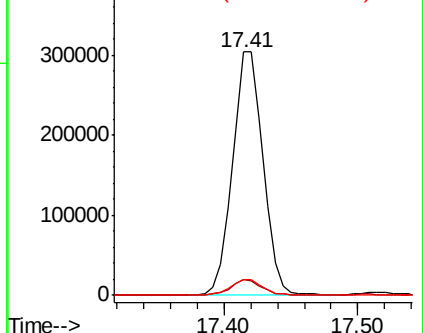
80 6.4 5.4 8.0



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: 3.041 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.44 min

Lab File: BG042393.D

Acq: 21 Aug 2019 21:16

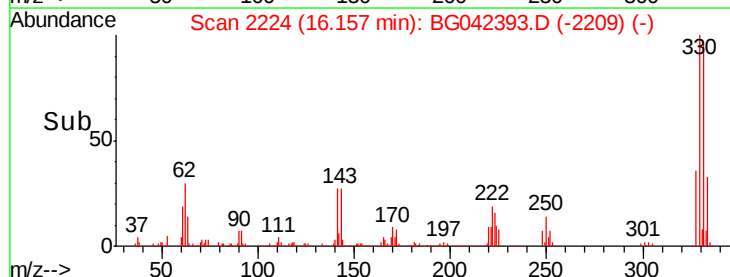
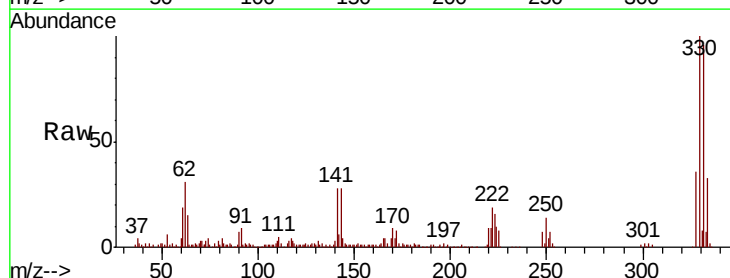
Tgt Ion:248 Resp: 18584

Ion Ratio Lower Upper

248 100

250 193.9 78.0 117.0#

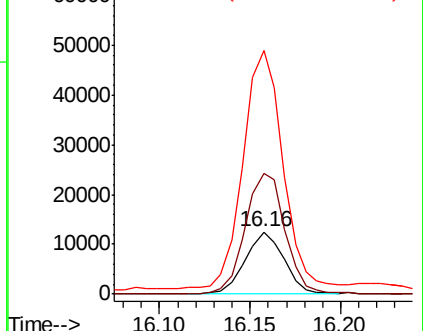
141 389.7 44.9 67.3#

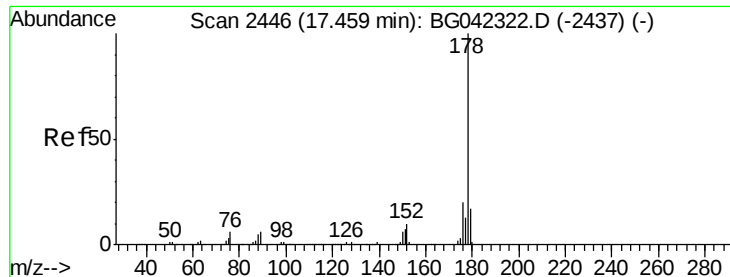


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

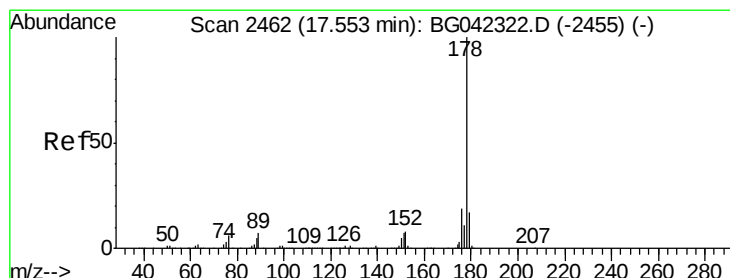
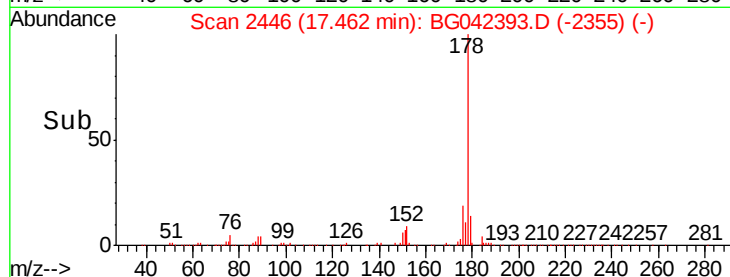
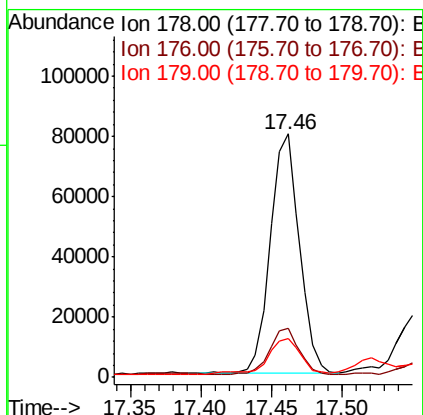
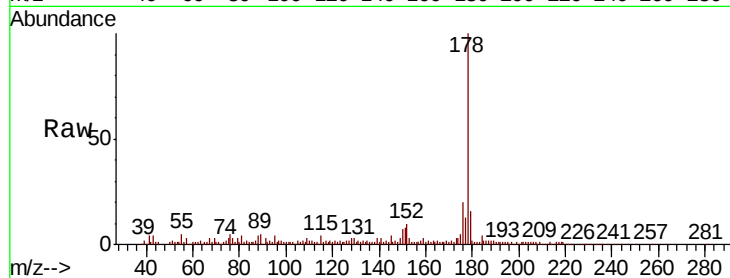




#71
Phenanthrene
Concen: 4.792 ng
RT: 17.46 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

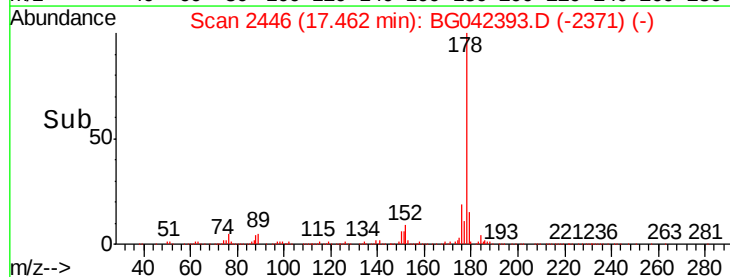
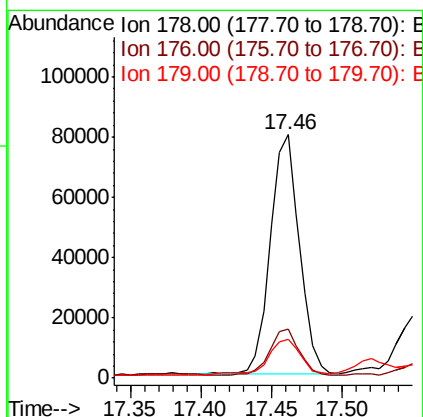
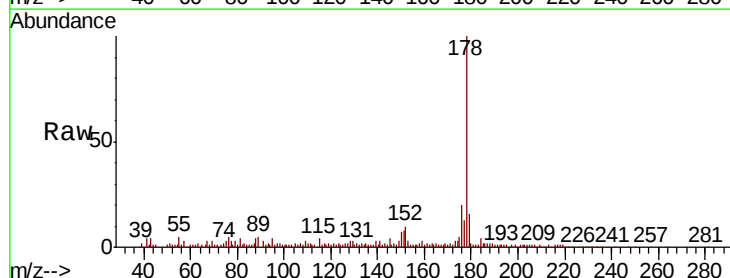
Instrument :
BNA_G
ClientSampleId :

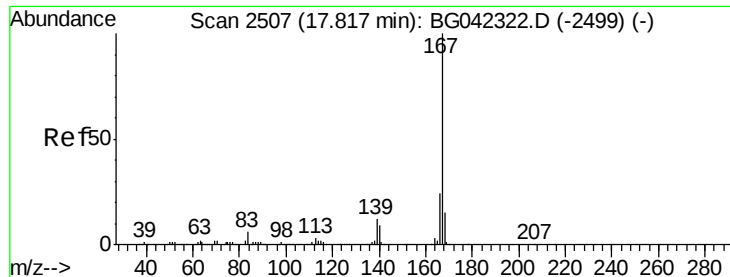
Tot Ion:178 Resp: 114596
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 15.7 13.7 20.5



#72
Anthracene
Concen: 4.804 ng
RT: 17.46 min Scan# 2446
Delta R.T. -0.09 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Tgt Ion:178 Resp: 114596
Ion Ratio Lower Upper
178 100
176 20.2 15.5 23.3
179 15.7 13.6 20.4





#73

Carbazole

Concen: 6.372 ng

RT: 17.82 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG042393.D

Acq: 21 Aug 2019 21:16

Instrument :

BNA_G

ClientSampleId :

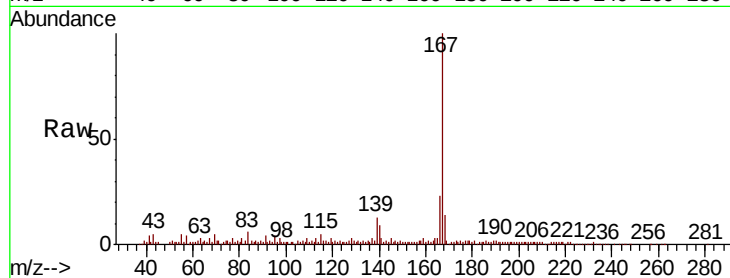
Tot Ion:167 Resp: 135006

Ion Ratio Lower Upper

167 100

166 23.3 19.0 28.6

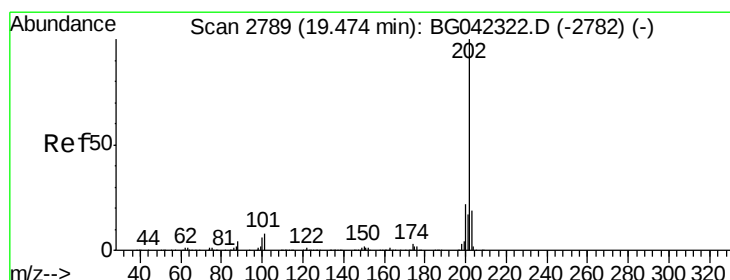
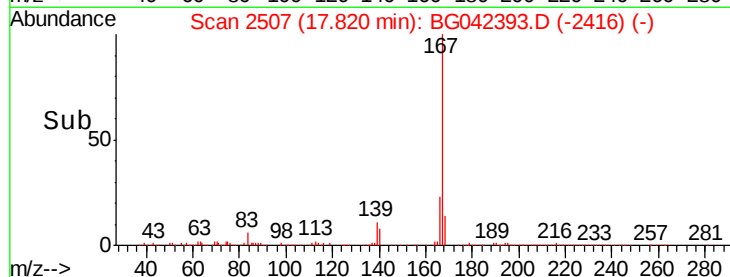
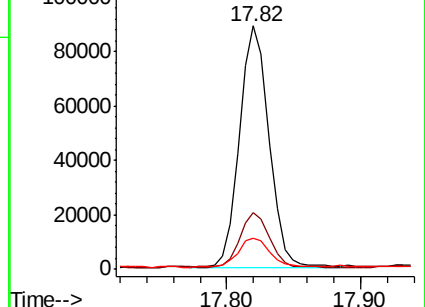
139 13.0 9.7 14.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 2.513 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.00 min

Lab File: BG042393.D

Acq: 21 Aug 2019 21:16

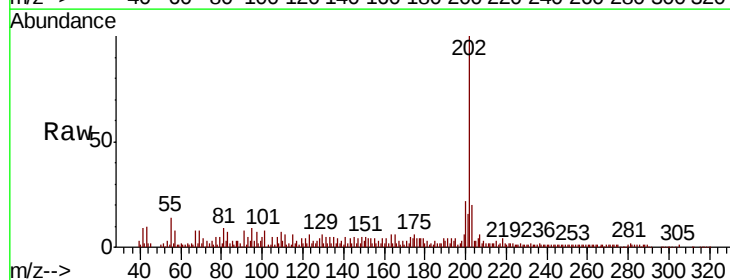
Tgt Ion:202 Resp: 72484

Ion Ratio Lower Upper

202 100

101 8.1 0.0 28.0

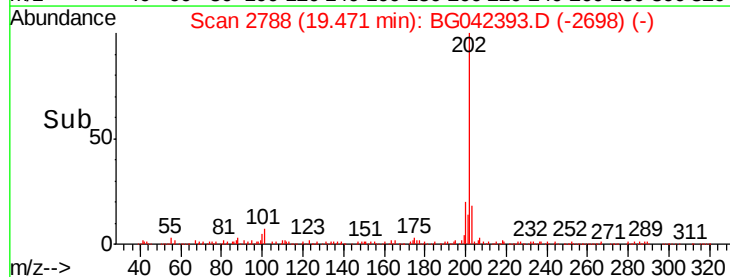
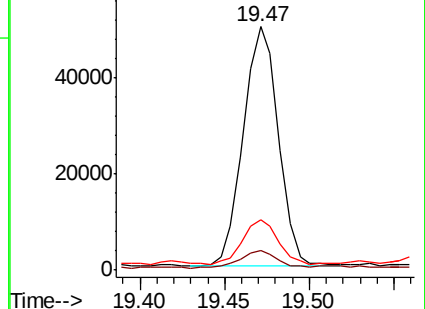
203 20.4 0.0 39.1

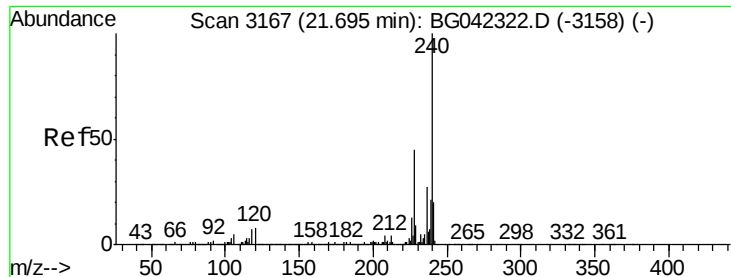


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

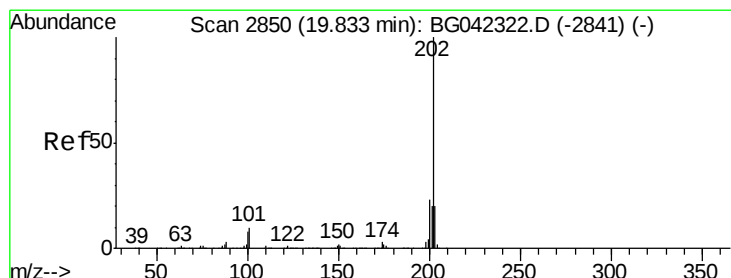
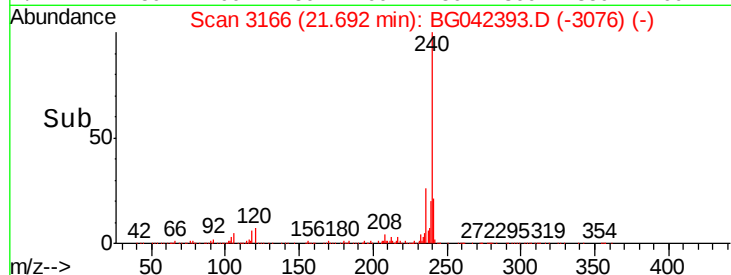
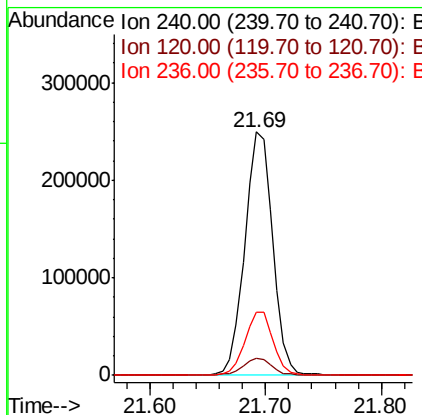
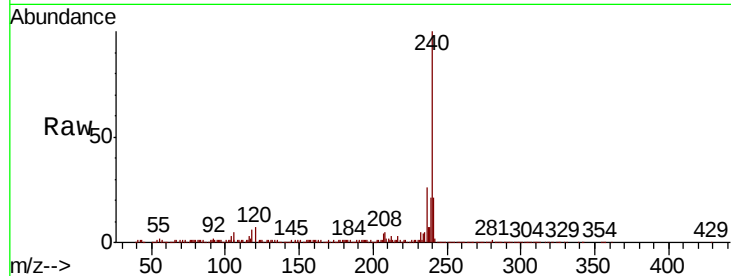




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

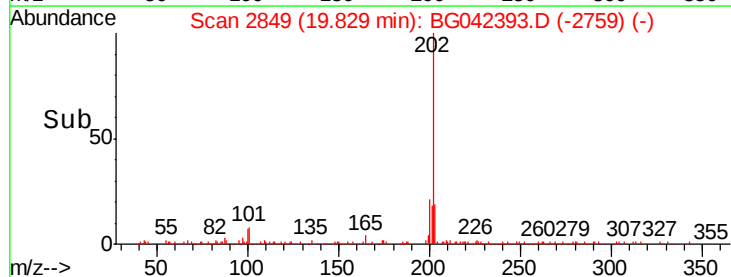
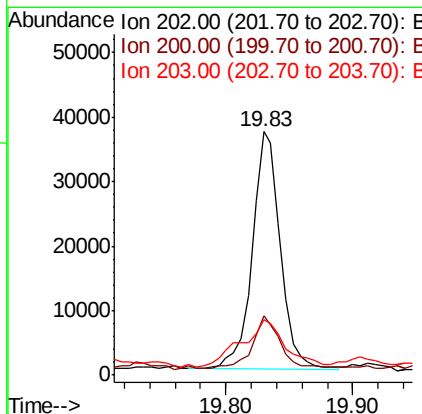
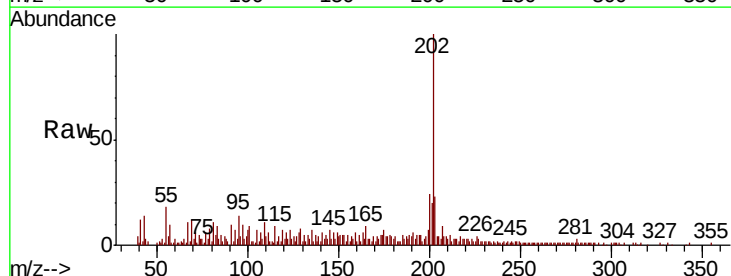
Instrument :
BNA_G
ClientSampleId :

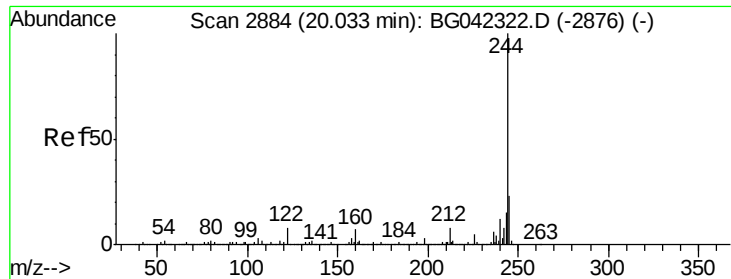
Tot Ion:240 Resp: 417932
Ion Ratio Lower Upper
240 100
120 7.0 6.0 9.0
236 26.1 21.6 32.4



#78
Pyrene
Concen: 2.222 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Tgt Ion:202 Resp: 57133
Ion Ratio Lower Upper
202 100
200 24.1 18.1 27.1
203 22.7 15.8 23.8





#79

Terphenyl-d14

Concen: 101.148 ng

RT: 20.04 min Scan# 2884

Delta R.T. 0.00 min

Lab File: BG042393.D

Acq: 21 Aug 2019 21:16

Instrument :

BNA_G

ClientSampleId :

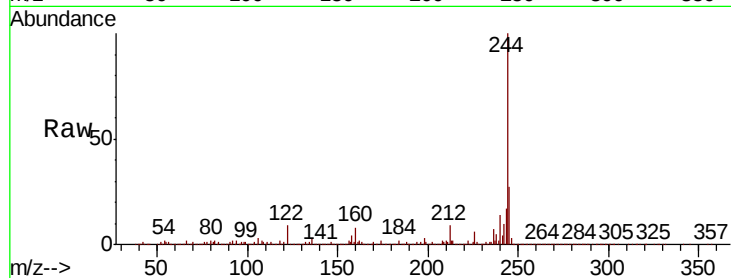
Tot Ion:244 Resp: 1930031

Ion Ratio Lower Upper

244 100

212 9.2 6.4 9.6

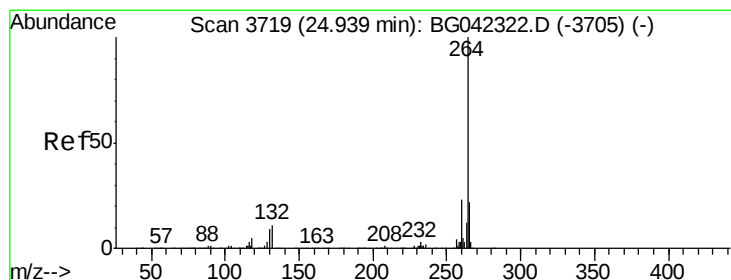
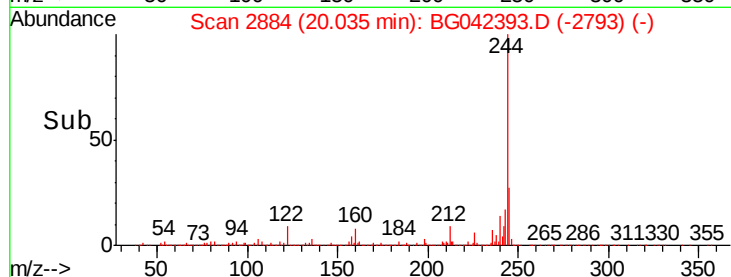
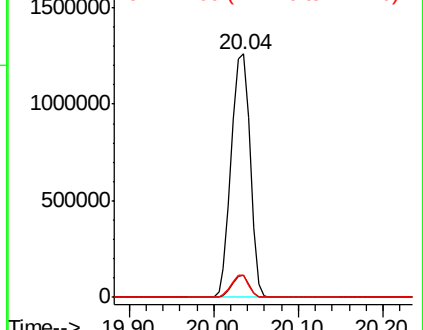
122 8.9 6.6 10.0



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

Perylene-d12

Concen: 20.000 ng

RT: 24.95 min Scan# 3720

Delta R.T. 0.01 min

Lab File: BG042393.D

Acq: 21 Aug 2019 21:16

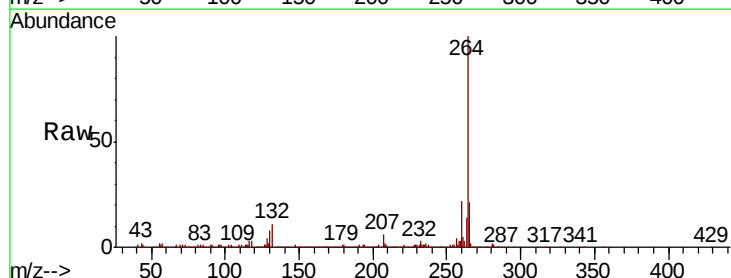
Tgt Ion:264 Resp: 495652

Ion Ratio Lower Upper

264 100

260 22.4 18.4 27.6

265 21.4 17.4 26.0



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

