

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 :
 TMW-01

Quant Time: Aug 22 02:15:33 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

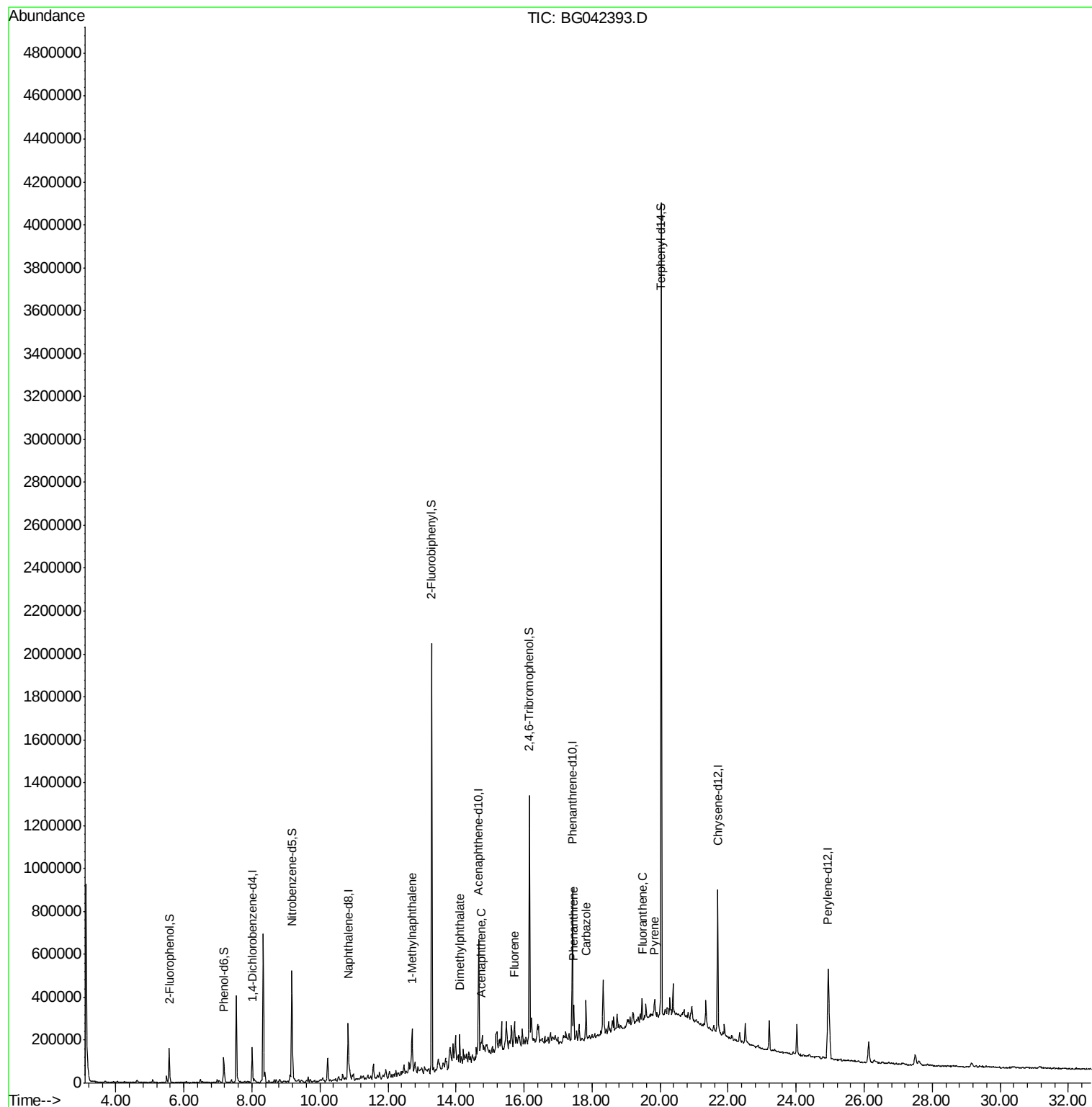
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
38) 1-Methylnaphthalene	12.71	142	96003	11.131	ng	97
50) Dimethylphthalate	14.11	163	111805	7.721	ng	99
52) Acenaphthene	14.73	154	27531	2.648	ng	95
58) Fluorene	15.71	166	32463	2.357	ng	# 93
71) Phenanthrene	17.46	178	114596	4.792	ng	98
73) Carbazole	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

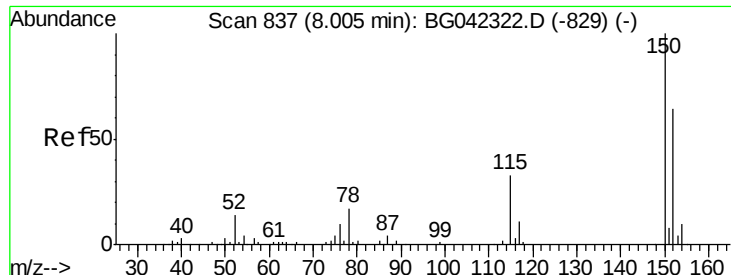
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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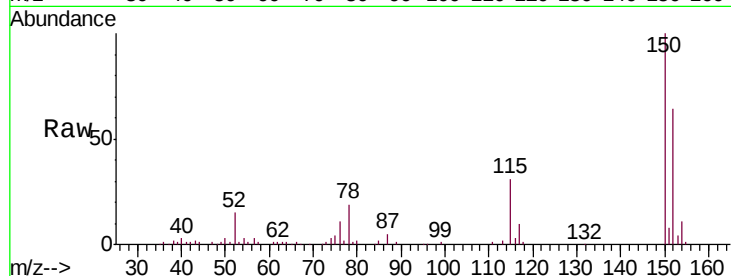


#1

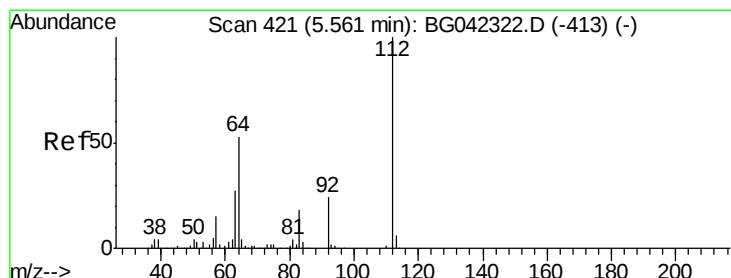
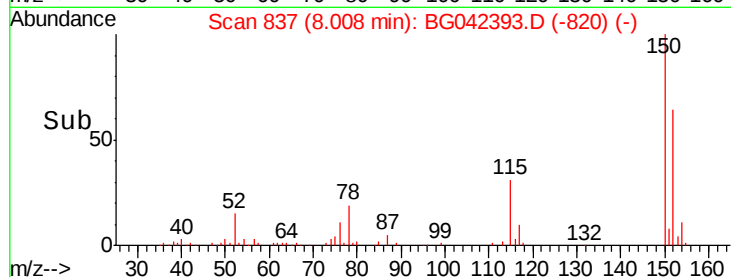
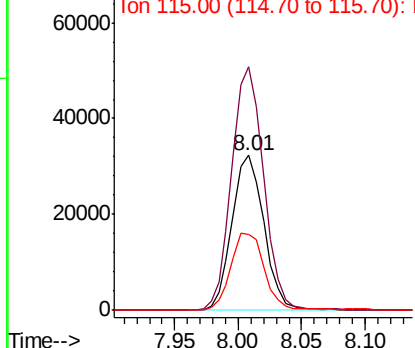
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Instrument :
BNA_G
ClientSampleId :
TMW-01

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



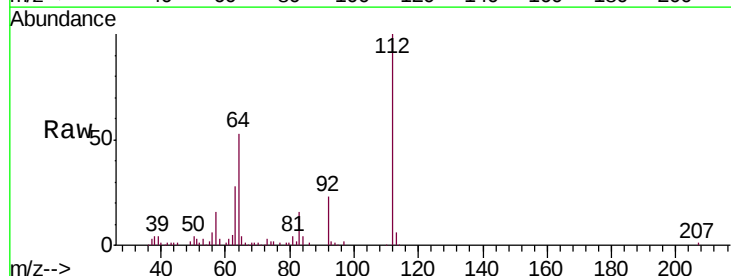
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



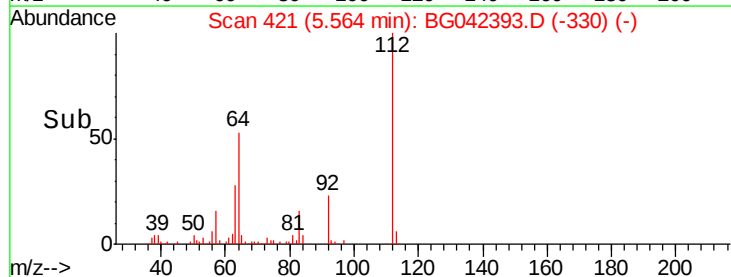
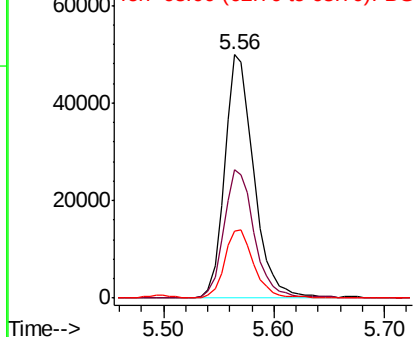
#5

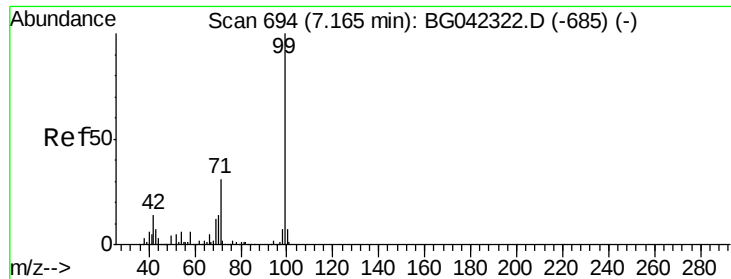
2-Fluorophenol
Concen: 32.971 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Tgt 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): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#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

Instrument :

BNA_G

ClientSampleId :

TMW-01

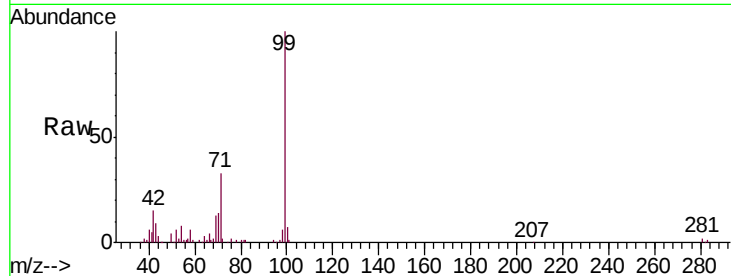
Tot Ion: 99 Resp: 84663

Ion Ratio Lower Upper

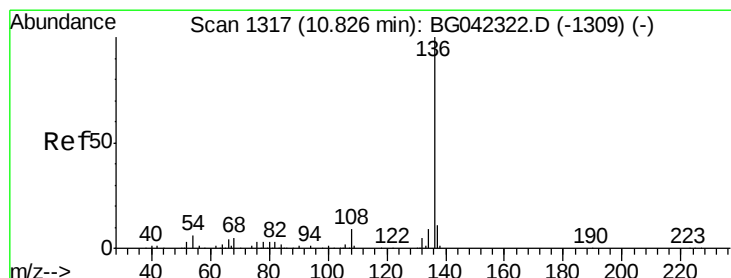
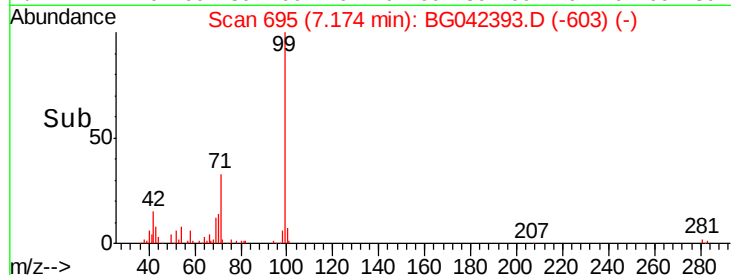
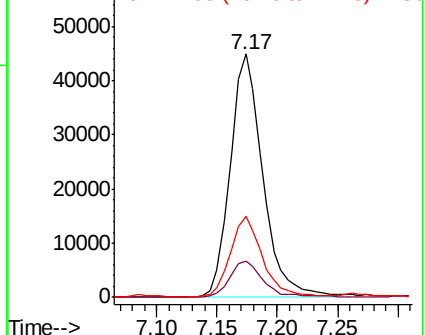
99 100

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



#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

Tgt Ion: 136 Resp: 243742

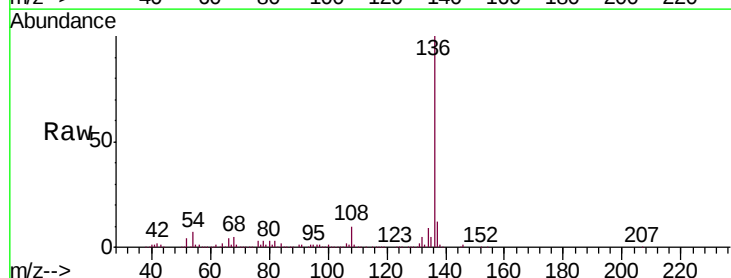
Ion Ratio Lower Upper

136 100

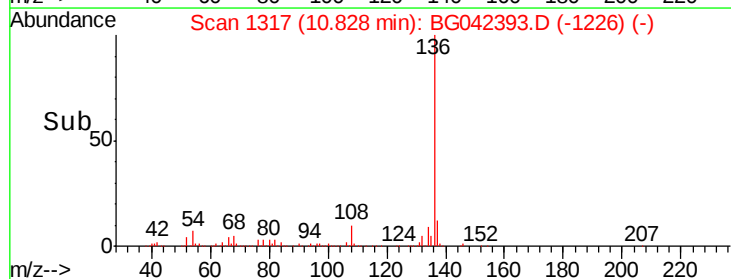
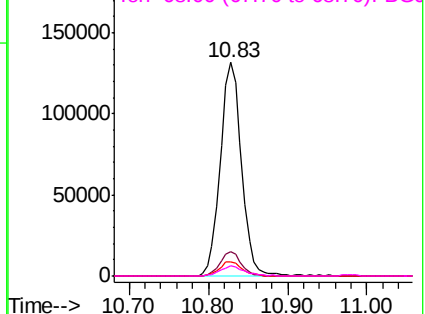
137 11.5 8.4 12.6

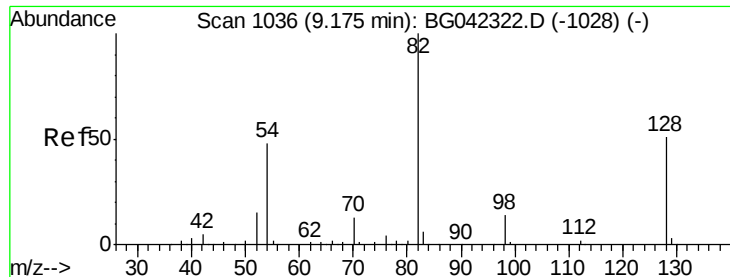
54 6.7 5.0 7.4

68 4.8 3.8 5.8



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

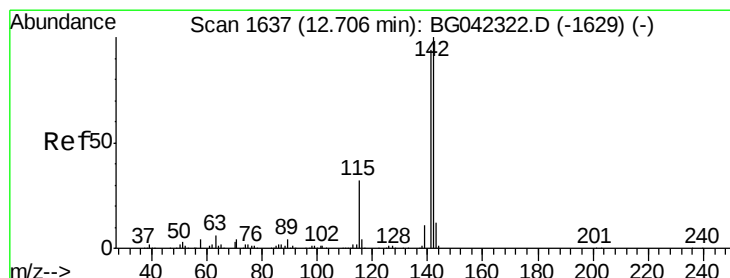
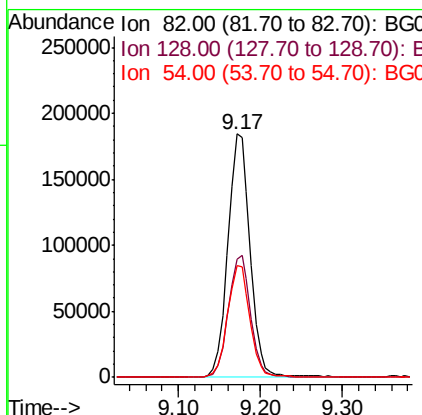
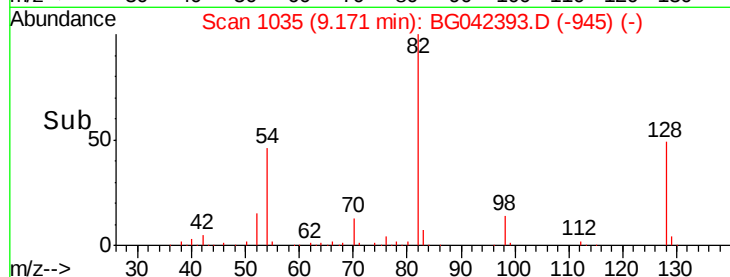
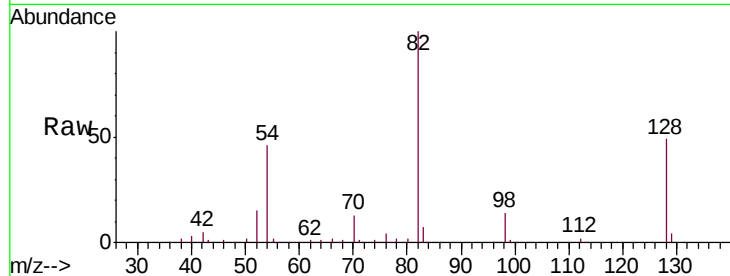




#23
Nitrobenzene-d5
Concen: 100.614 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

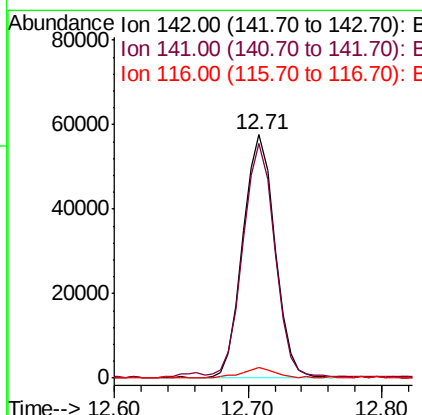
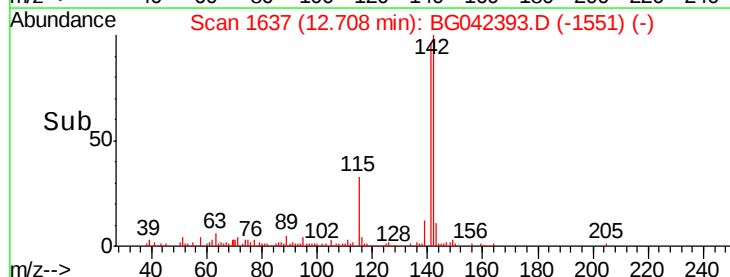
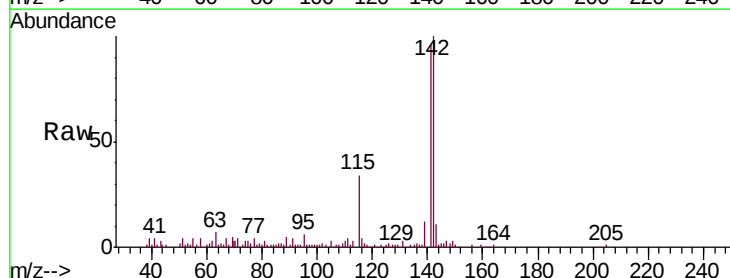
Instrument :
BNA_G
ClientSampled :
TMW-01

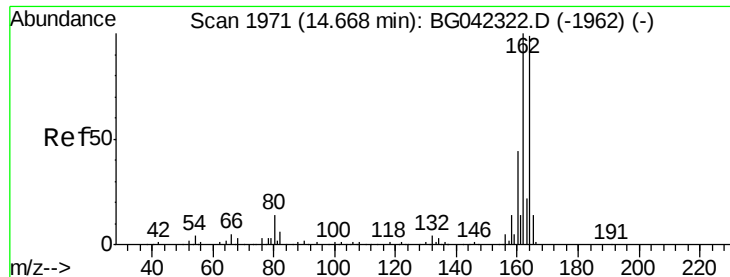
Tot Ion: 82 Resp: 348684
Ion Ratio Lower Upper
82 100
128 48.7 41.0 61.4
54 46.0 38.0 57.0



#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

Tgt Ion: 142 Resp: 96003
Ion Ratio Lower Upper
142 100
141 96.4 75.1 112.7
116 4.5 3.0 4.6

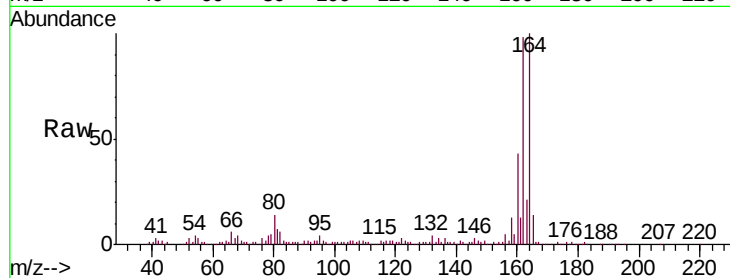




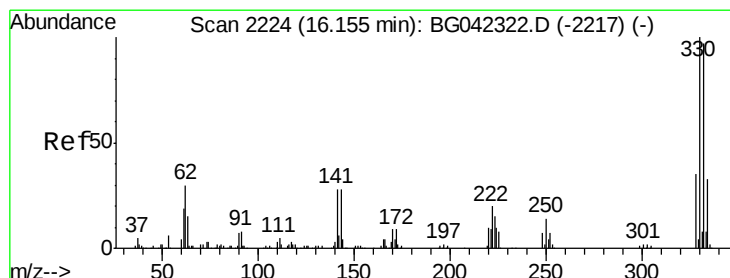
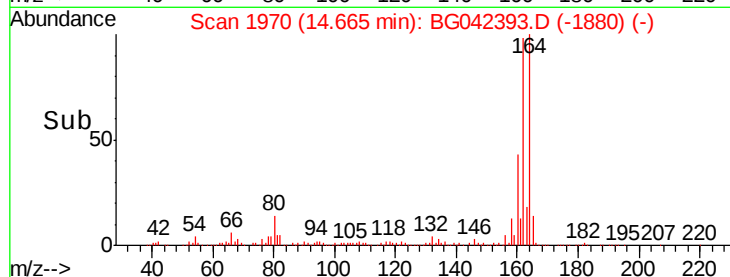
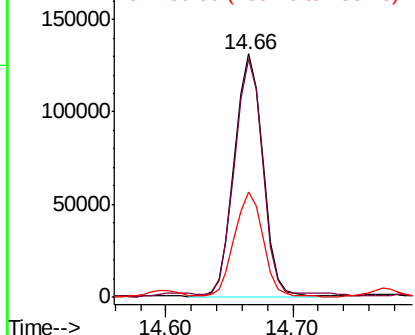
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Instrument :
BNA_G
ClientSampleId :
TMW-01

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

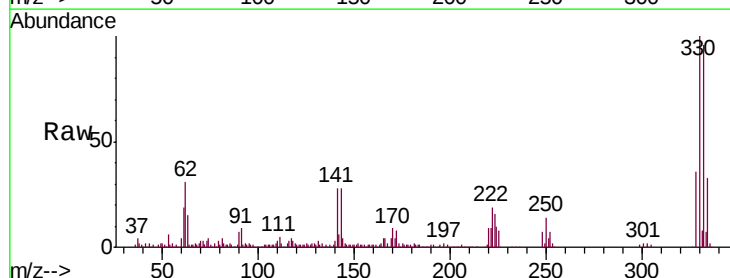


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

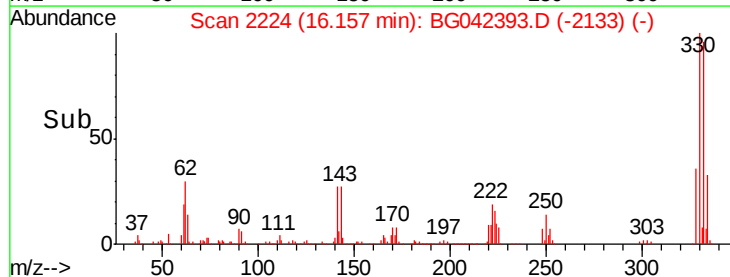
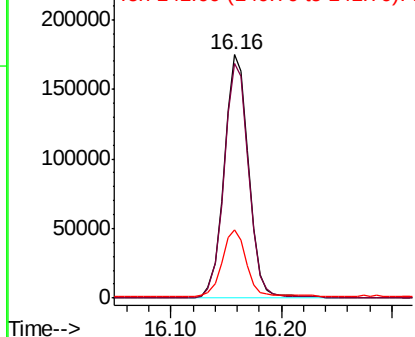


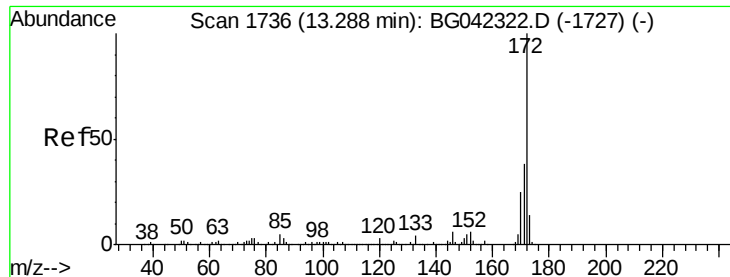
#42
2,4,6-Tribromophenol
Concen: 97.764 ng
RT: 16.16 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

Tgt 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

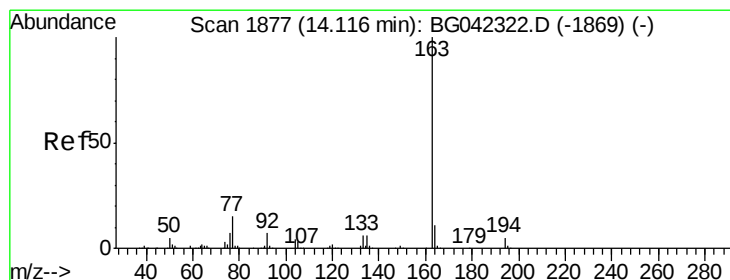
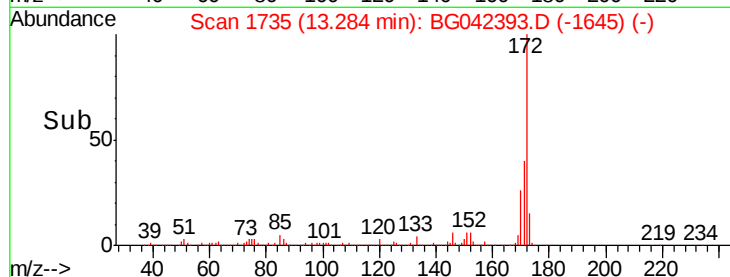
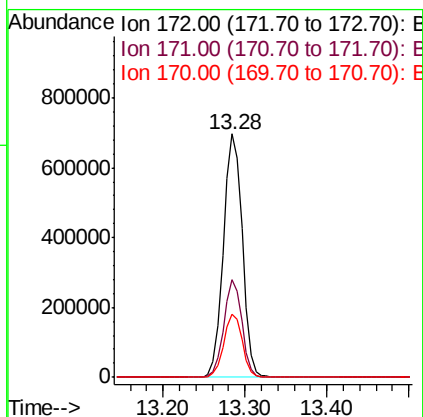
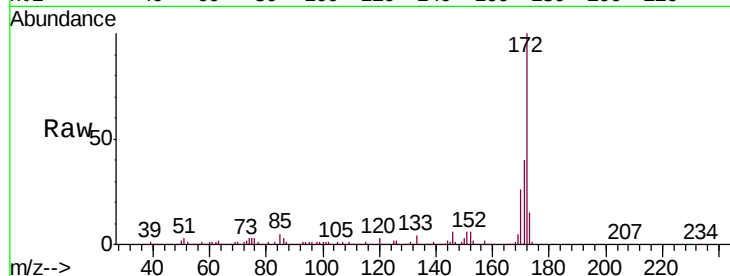




#45
2-Fluorobiphenyl
Concen: 93.087 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

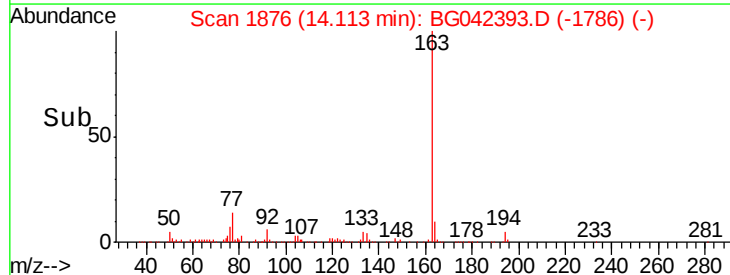
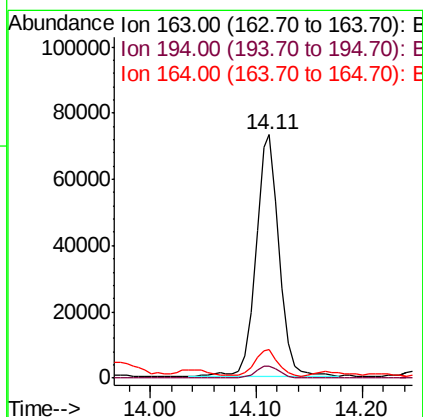
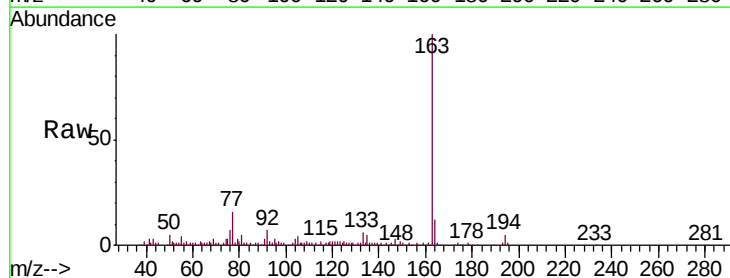
Instrument :
BNA_G
ClientSampleId :
TMW-01

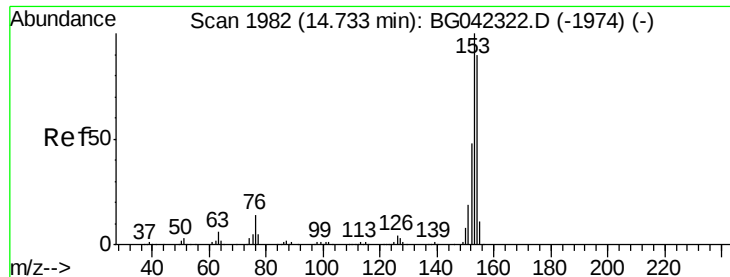
Tot Ion:172 Resp: 1121102
Ion Ratio Lower Upper
172 100
171 40.0 30.3 45.5
170 26.0 20.0 30.0



#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

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





#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

Instrument :

BNA_G

ClientSampleId :

TMW-01

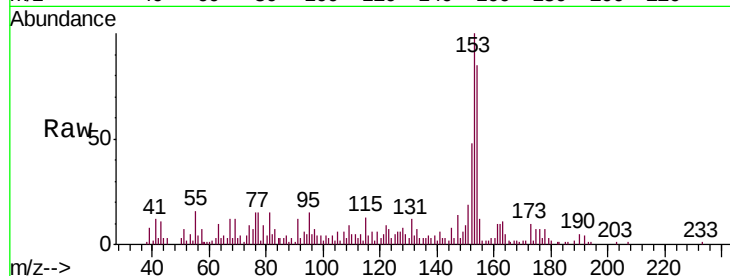
Tot Ion:154 Resp: 27531

Ion Ratio Lower Upper

154 100

153 118.0 89.4 134.0

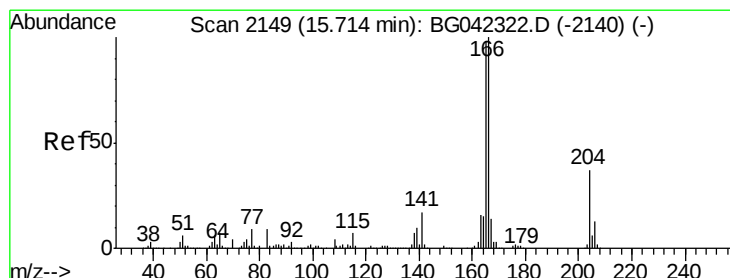
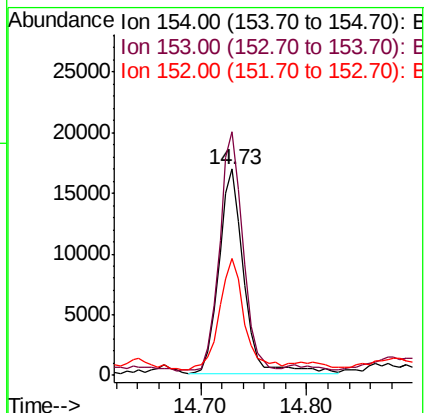
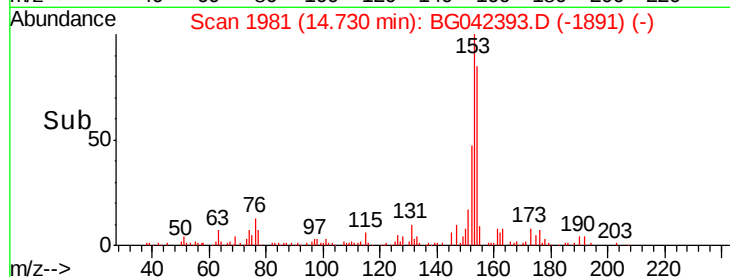
152 56.6 43.1 64.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#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

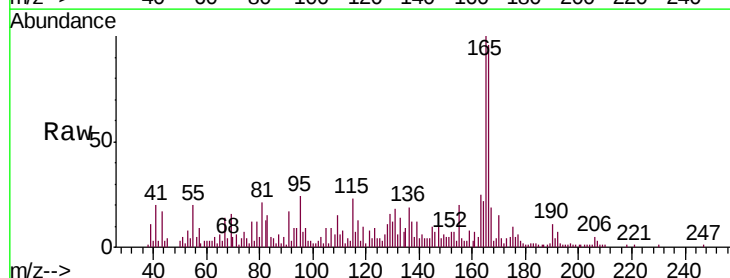
Tgt Ion:166 Resp: 32463

Ion Ratio Lower Upper

166 100

165 104.1 78.7 118.1

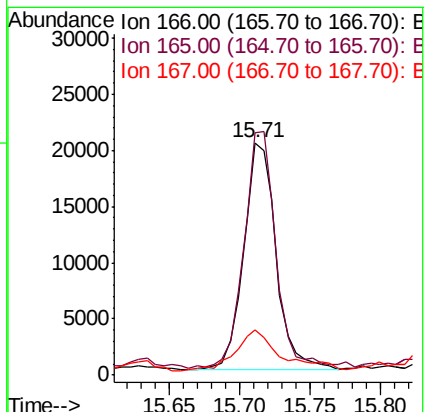
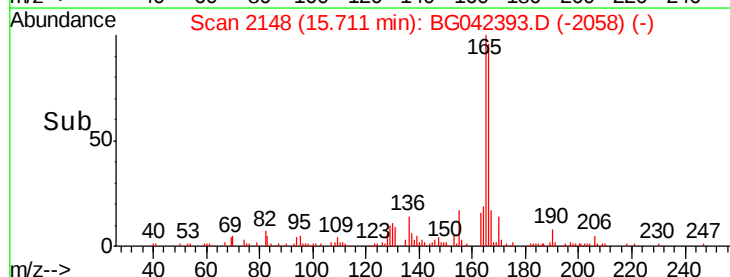
167 19.5 11.1 16.7#

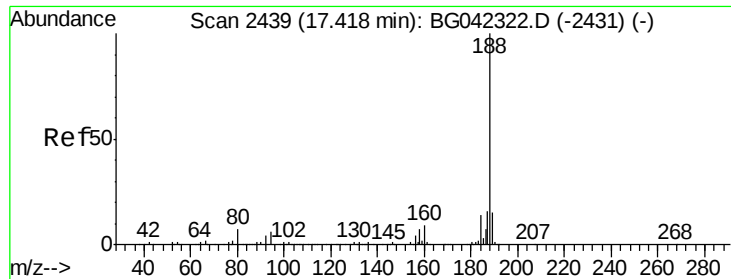


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#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 :

TMW-01

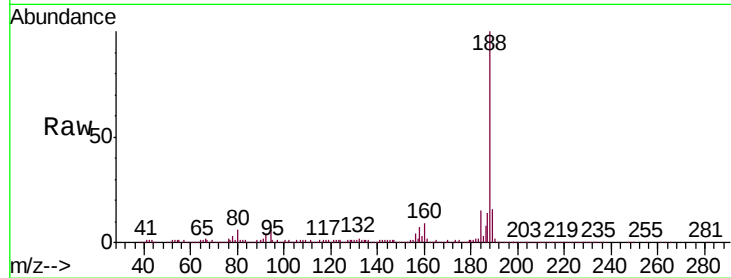
Tot Ion:188 Resp: 480208

Ion Ratio Lower Upper

188 100

94 6.3 4.9 7.3

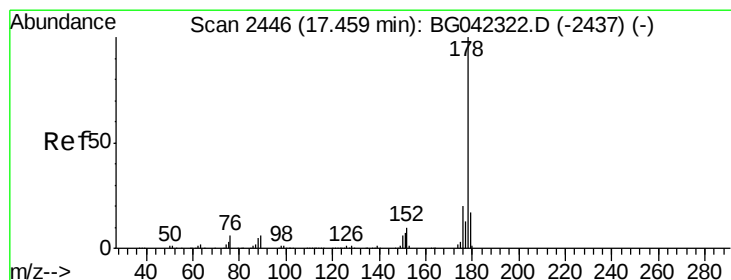
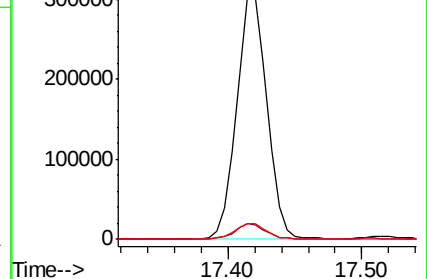
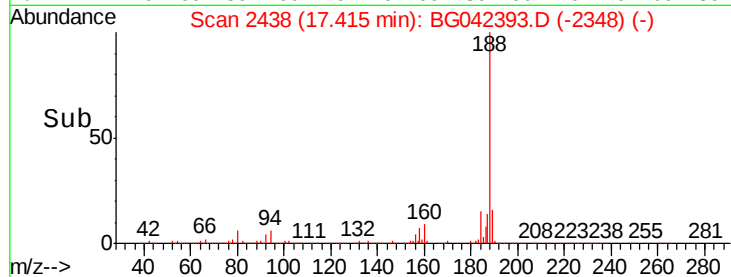
80 6.4 5.4 8.0



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



#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

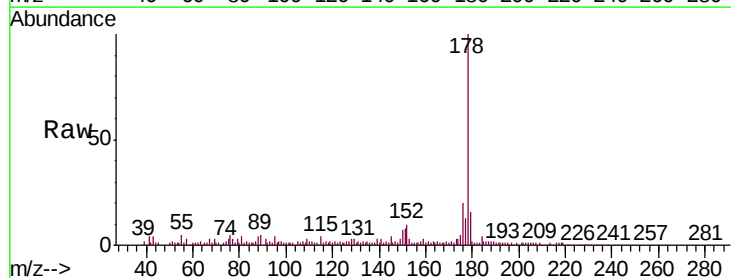
Tgt Ion:178 Resp: 114596

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

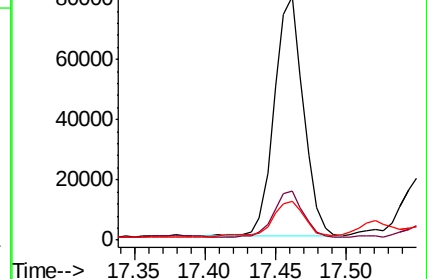
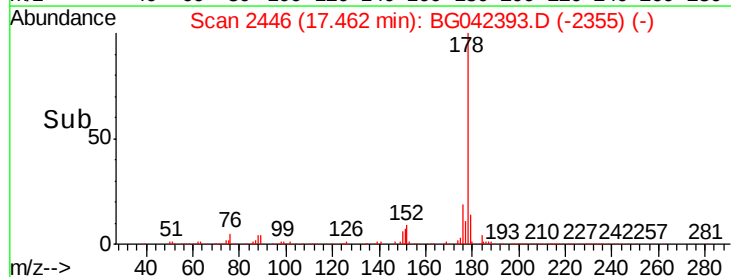
179 15.7 13.7 20.5

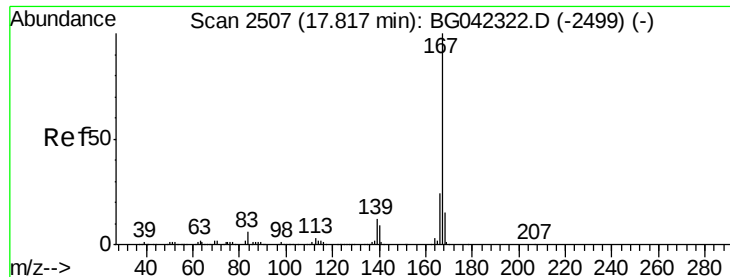


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

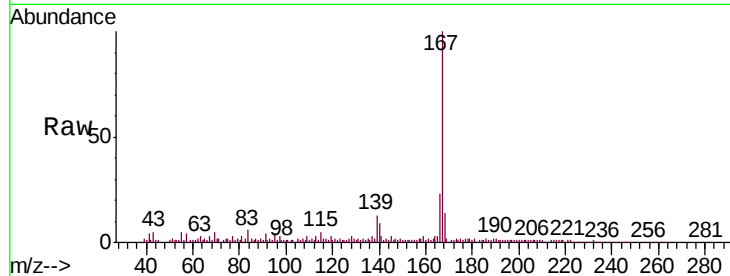




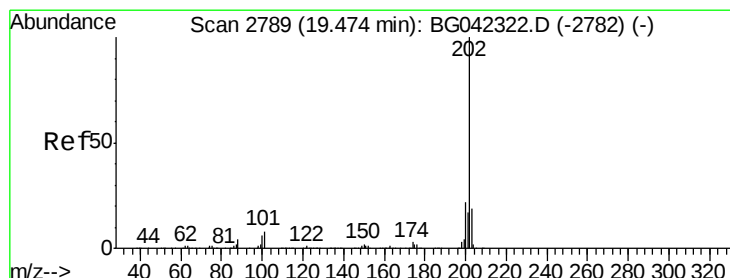
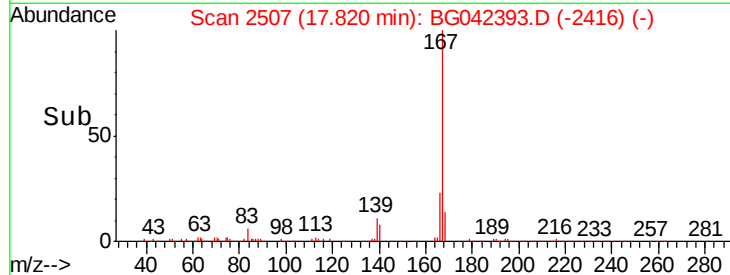
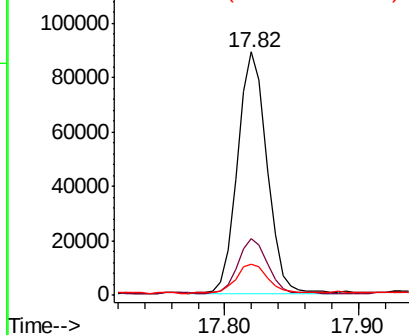
#73
 Carbazole
 Concen: 6.372 ng
 RT: 17.82 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: BG042393.D
 Acq: 21 Aug 2019 21:16

Instrument :
 BNA_G
 ClientSampleId :
 TMW-01

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.3	19.0	28.6
139	13.0	9.7	14.5

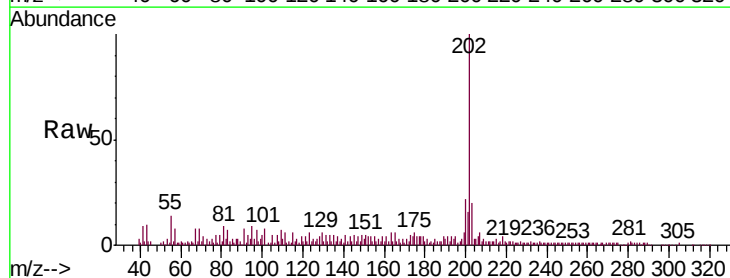


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

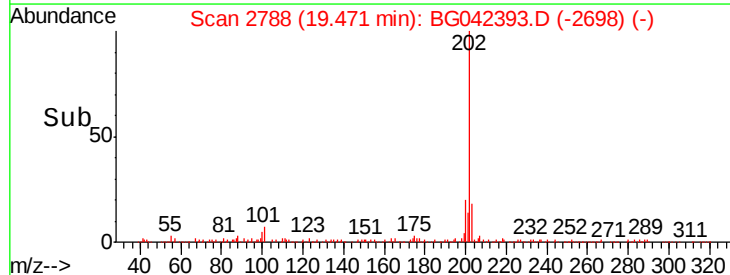
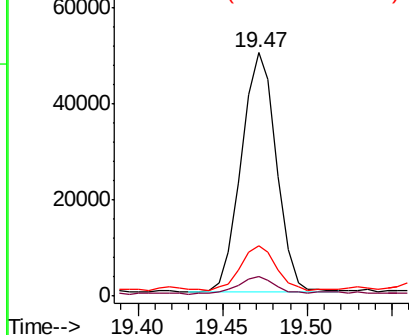


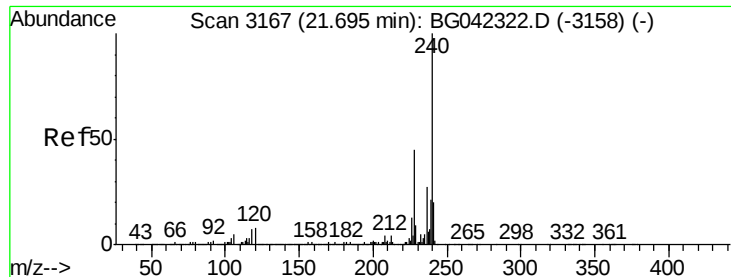
#75
 Fluoranthene
 Concen: 2.513 ng
 RT: 19.47 min Scan# 2788
 Delta R.T. -0.00 min
 Lab File: BG042393.D
 Acq: 21 Aug 2019 21:16

Tgt Ion	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

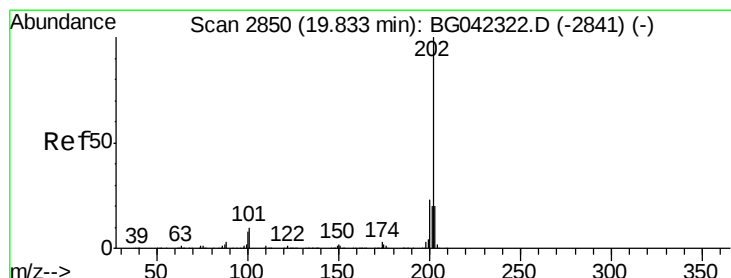
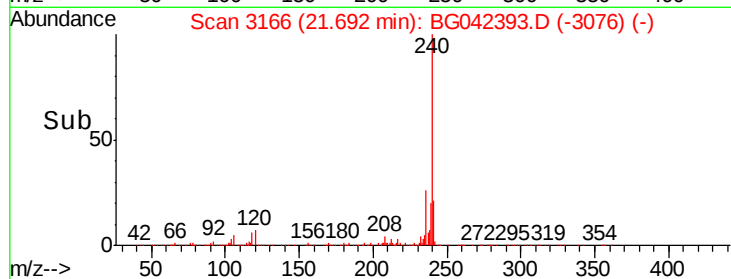
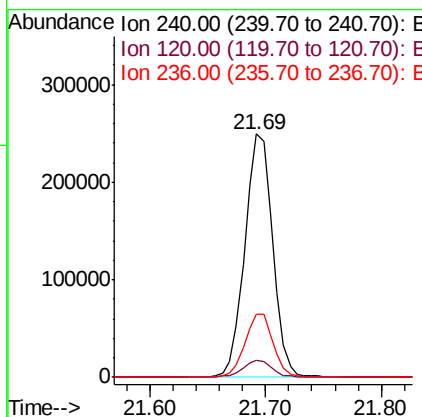
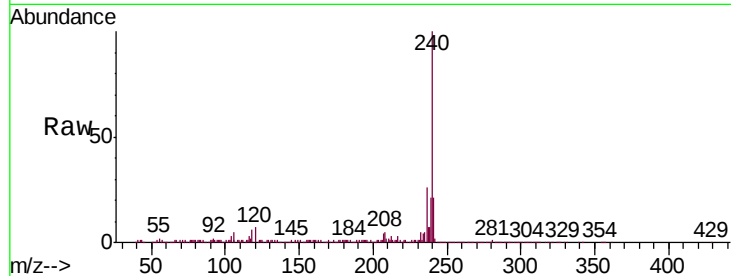




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.00 min
Lab File: BG042393.D
Acq: 21 Aug 2019 21:16

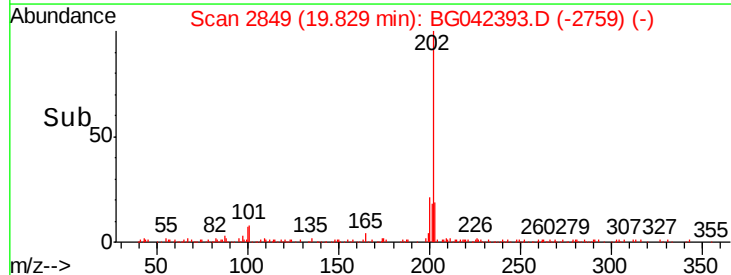
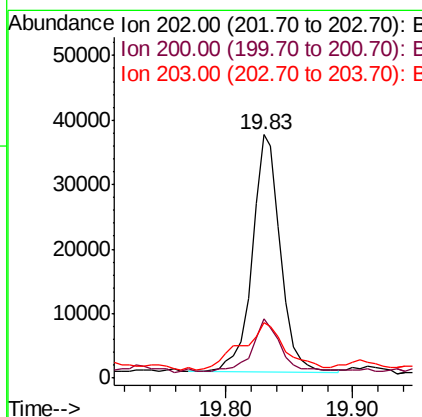
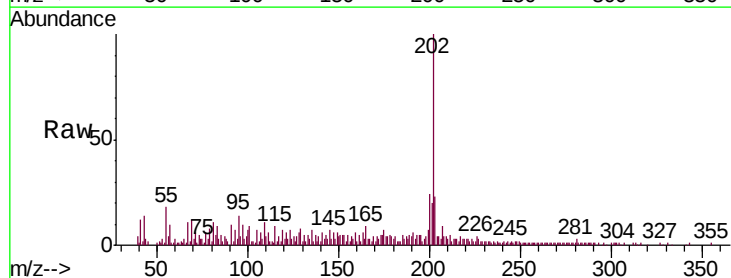
Instrument :
BNA_G
ClientSampleId :
TMW-01

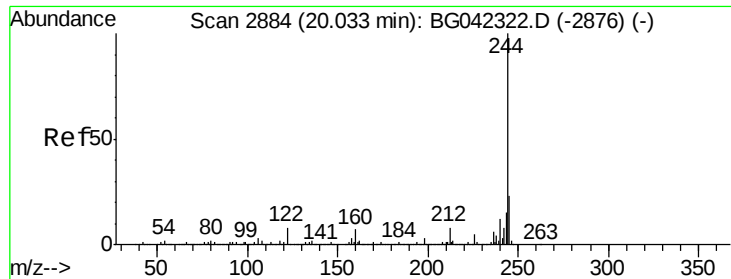
Tot Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.0	9.0
236	26.1	21.6	32.4



#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	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 :

TMW-01

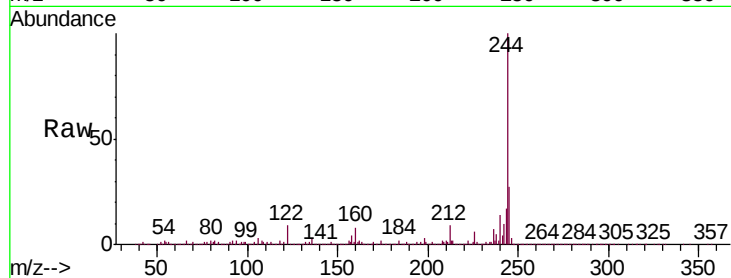
Tot Ion:244 Resp: 1930031

Ion Ratio Lower Upper

244 100

212 9.2 6.4 9.6

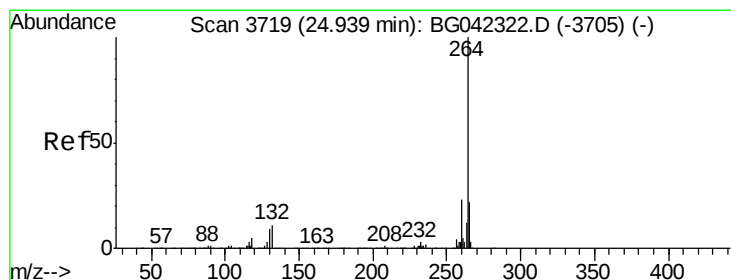
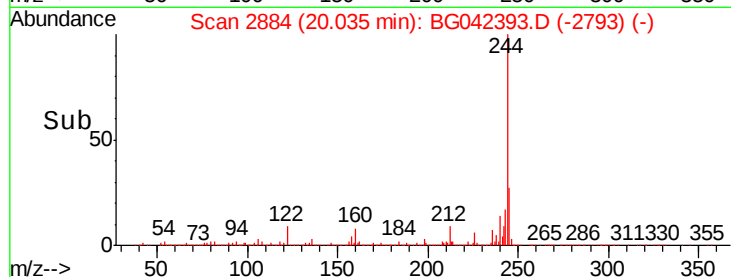
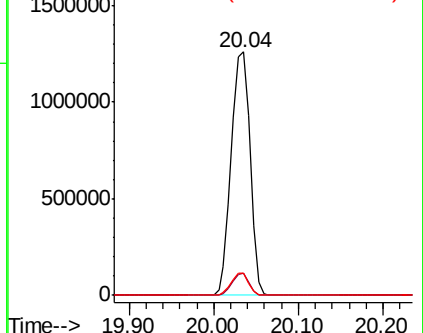
122 8.9 6.6 10.0



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

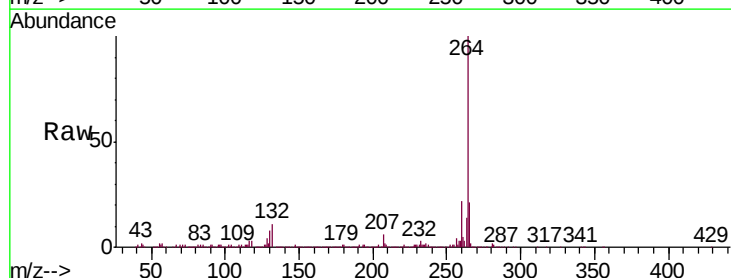
Tgt Ion:264 Resp: 495652

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

