

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
 Data File : BG042680.D
 Acq On : 2 Sep 2019 2:59
 Operator : HP/JU
 Sample : K4579-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAR-12-A1-A4-(0-3.5)

Quant Time: Sep 02 08:28:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

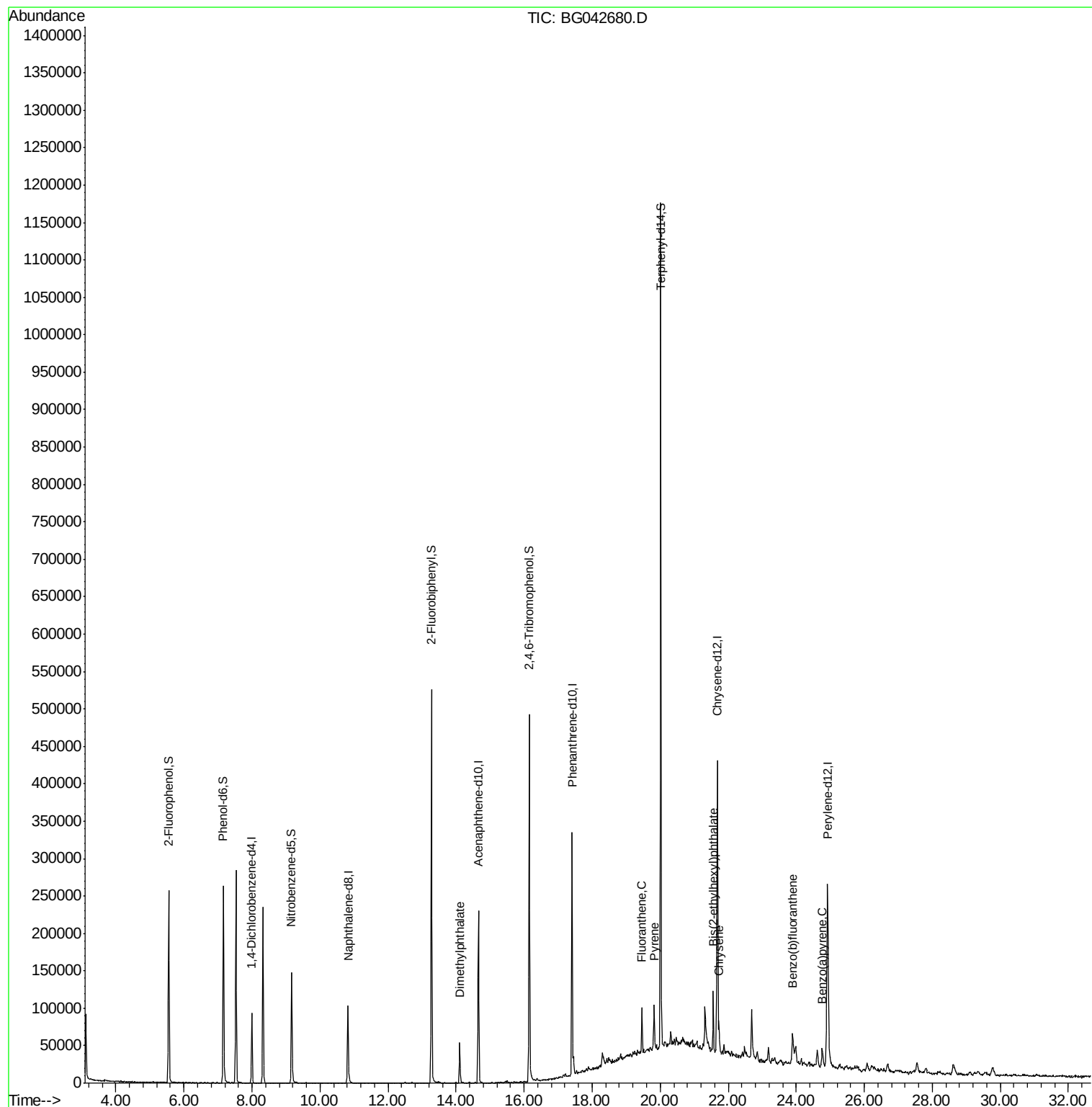
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	30370	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	120679	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	96432	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	227715	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	247830	20.00	ng	-0.01
87) Perylene-d12	24.92	264	295674	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	129906	86.63	ng	-0.01
7) Phenol-d6	7.16	99	176656	87.21	ng	-0.01
23) Nitrobenzene-d5	9.16	82	102460	58.67	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	129765	94.68	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	338803	59.42	ng	0.00
79) Terphenyl-d14	20.02	244	651230	56.81	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.10	163	53746	7.724	ng	98
75) Fluoranthene	19.46	202	44918	3.254	ng	96
78) Pyrene	19.82	202	44301	2.916	ng	96
83) Chrysene	21.73	228	29424	2.024	ng	99
84) Bis(2-ethylhexyl)phthalate	21.56	149	36097	4.350	ng	97
88) Benzo(b)fluoranthene	23.89	252	45024	2.770	ng	95
90) Benzo(a)pyrene	24.76	252	33849	2.194	ng	96

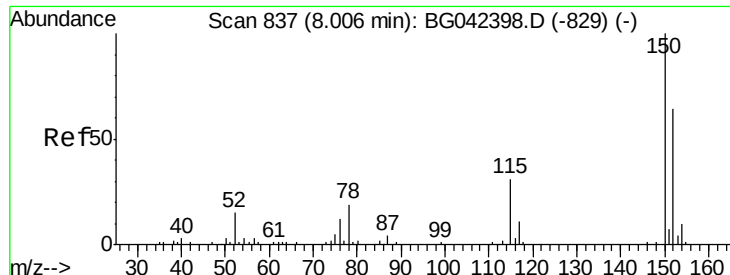
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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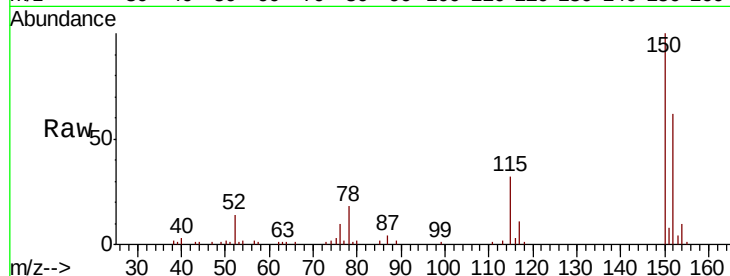


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.99 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BG042680.D
 Acq: 2 Sep 2019 2:59

Instrument :
 BNA_G
 ClientSampleId :
 PAR-12-A1-A4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	125.4	188.0
115	51.4	38.5	57.7

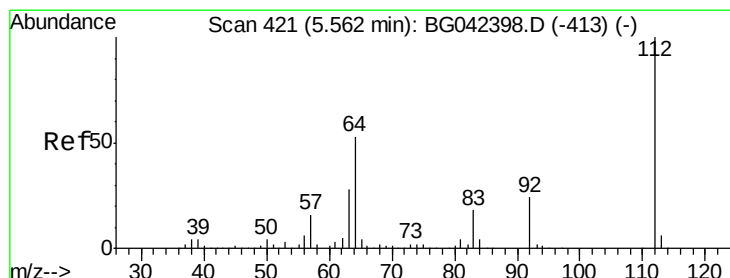
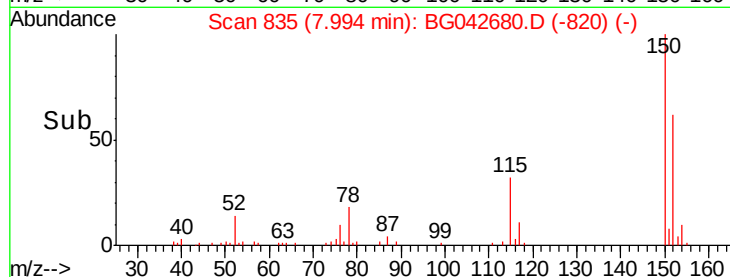
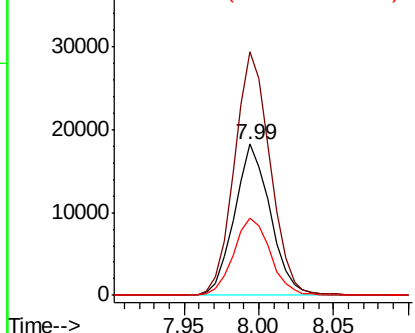


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

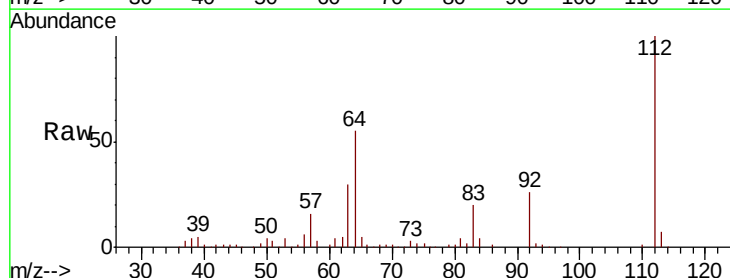
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 86.631 ng
 RT: 5.55 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: BG042680.D
 Acq: 2 Sep 2019 2:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	42.8	64.2
63	29.6	22.7	34.1

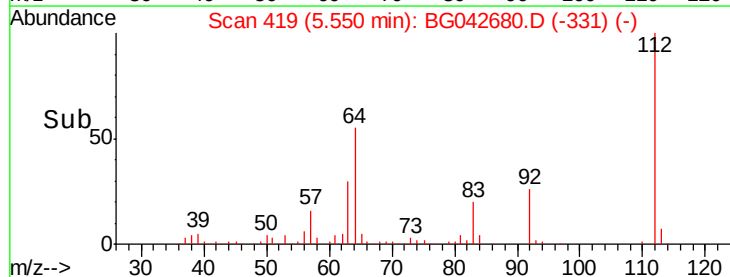
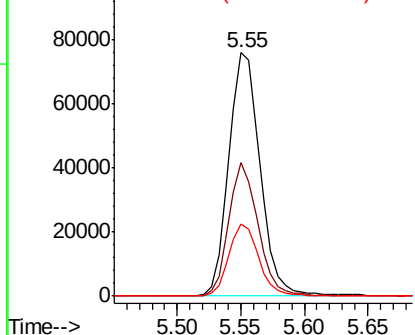


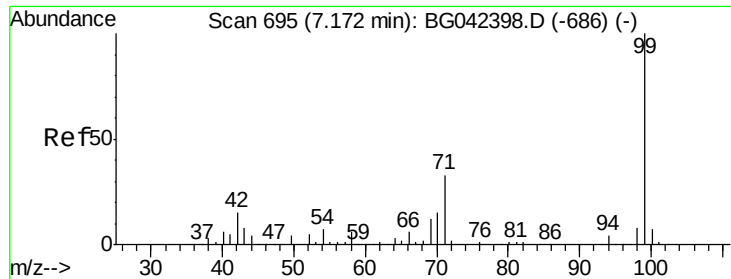
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 87.214 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Instrument :

BNA_G

ClientSampleId :

PAR-12-A1-A4-(0-3.5)

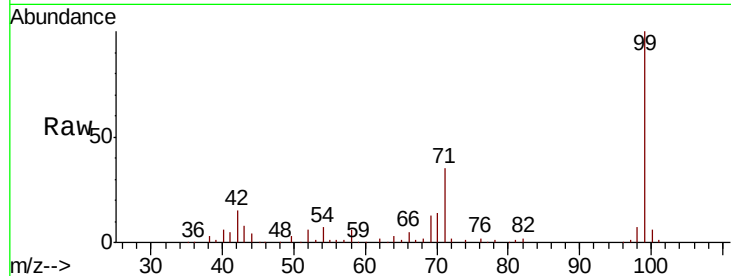
Tot Ion: 99 Resp: 176656

Ion Ratio Lower Upper

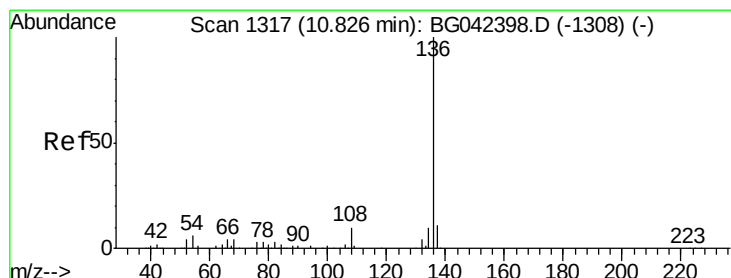
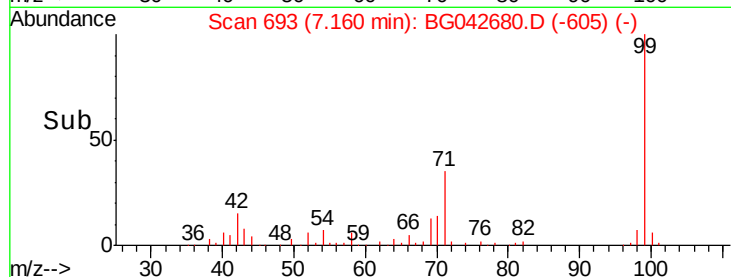
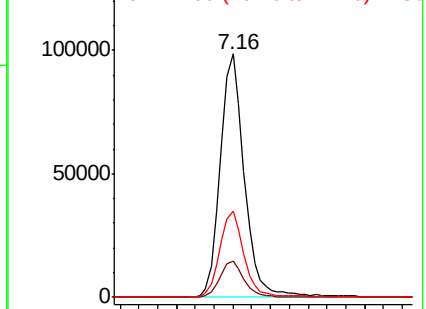
99 100

42 14.9 12.0 18.0

71 35.5 26.3 39.5



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: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Tgt Ion: 136 Resp: 120679

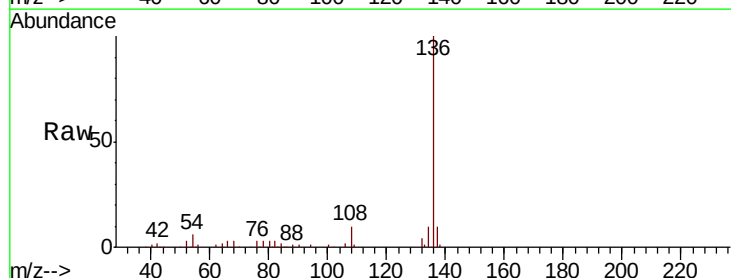
Ion Ratio Lower Upper

136 100

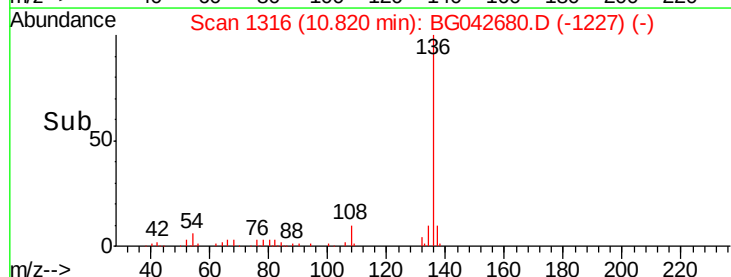
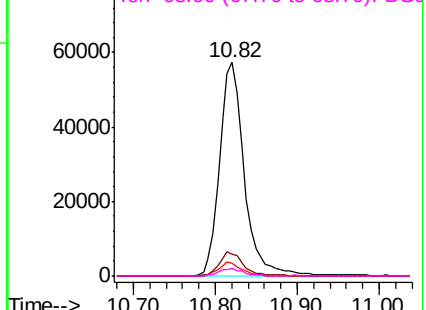
137 10.0 8.7 13.1

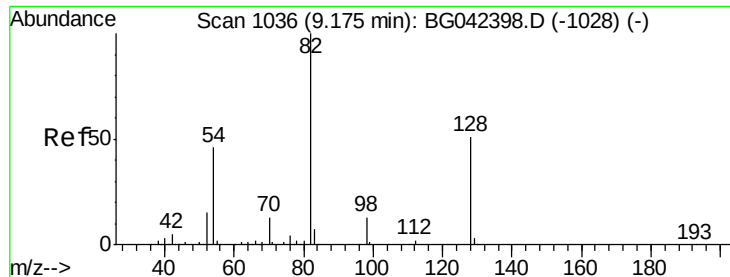
54 6.0 4.9 7.3

68 3.4 3.6 5.4#



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

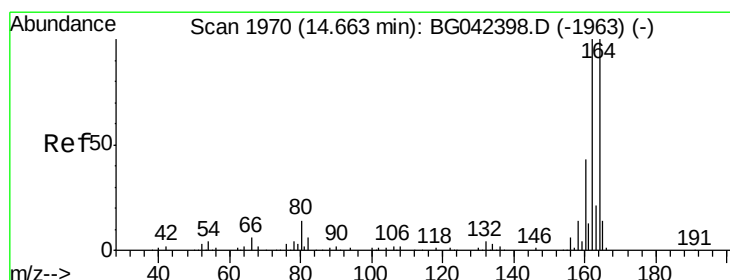
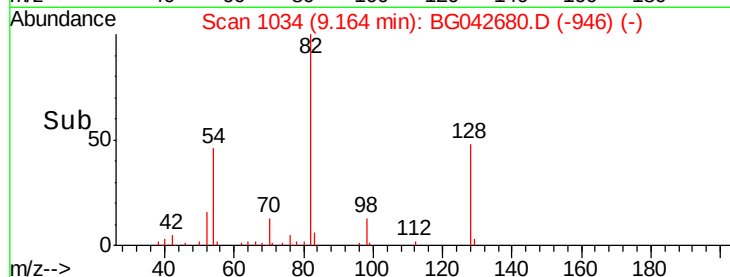
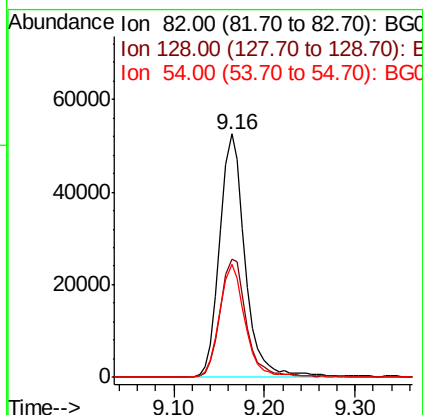
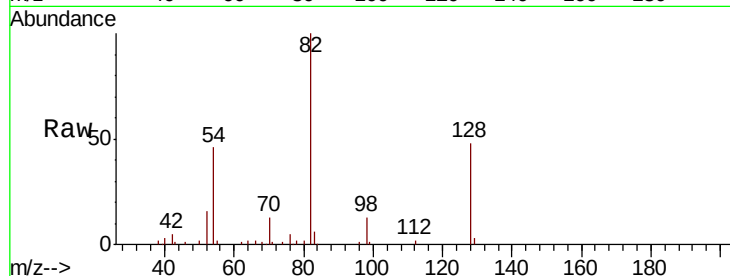




#23
Nitrobenzene-d5
Concen: 58.671 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042680.D
Acq: 2 Sep 2019 2:59

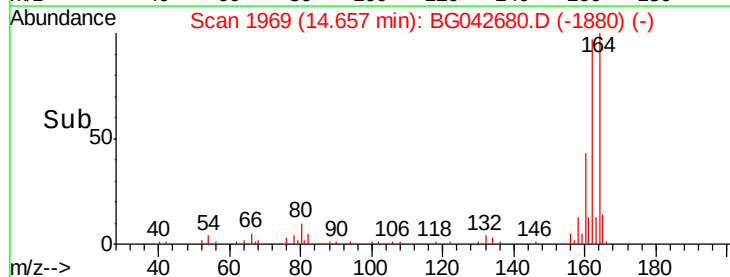
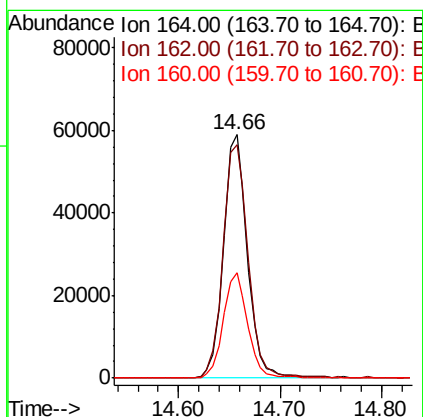
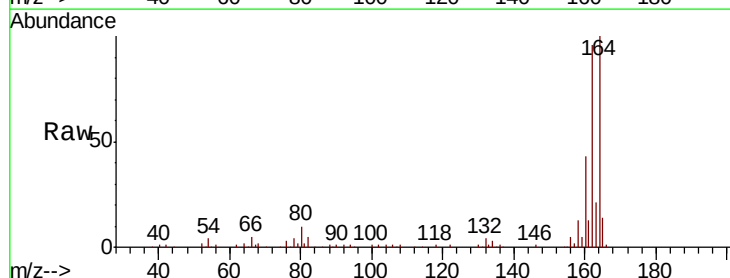
Instrument :
BNA_G
ClientSampleId :
PAR-12-A1-A4-(0-3.5)

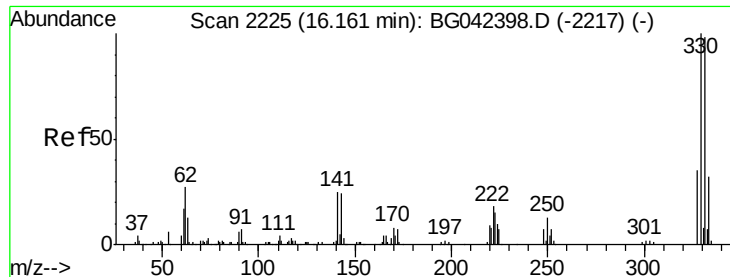
Tot Ion	82	Resp	102460
Ion Ratio	Lower	Upper	
82	100		
128	48.5	40.7	61.1
54	46.3	36.3	54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042680.D
Acq: 2 Sep 2019 2:59

Tgt Ion	164	Resp	96432
Ion Ratio	Lower	Upper	
164	100		
162	95.9	79.9	119.9
160	43.0	34.3	51.5





#42

2,4,6-Tribromophenol

Concen: 94.676 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Instrument :

BNA_G

ClientSampleId :

PAR-12-A1-A4-(0-3.5)

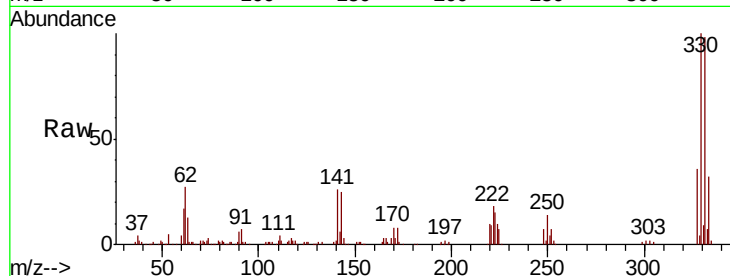
Tot Ion:330 Resp: 129765

Ion Ratio Lower Upper

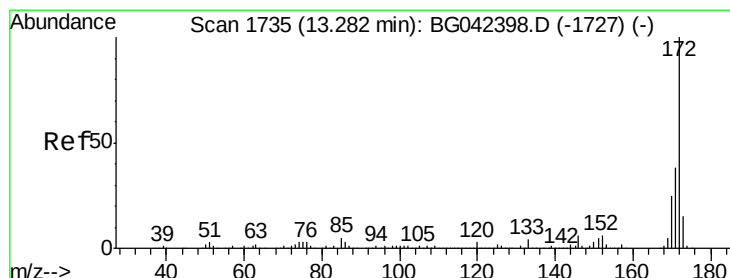
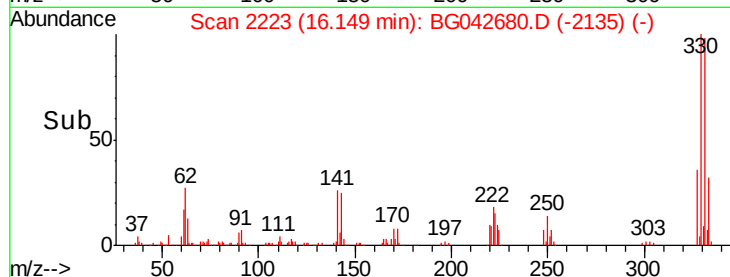
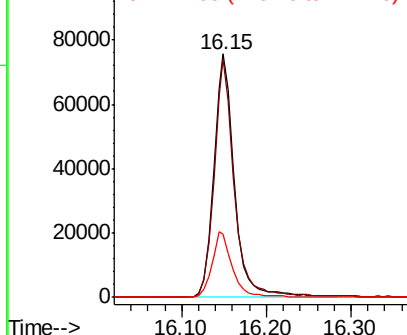
330 100

332 96.1 77.4 116.0

141 26.6 21.4 32.0



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: 59.421 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

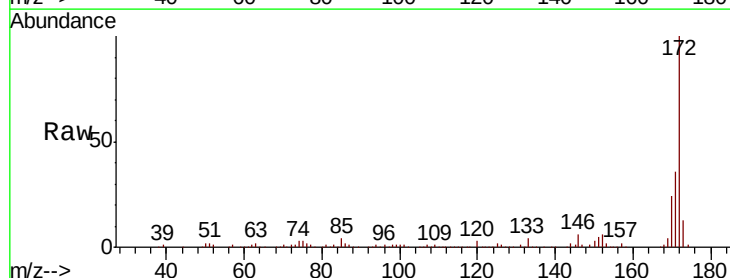
Tgt Ion:172 Resp: 338803

Ion Ratio Lower Upper

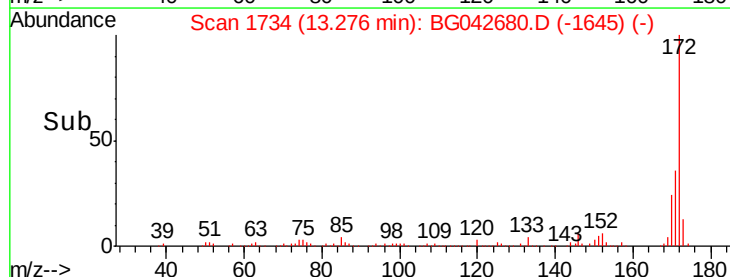
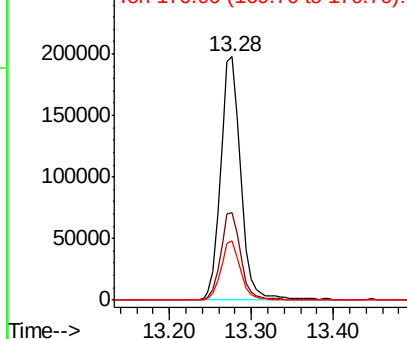
172 100

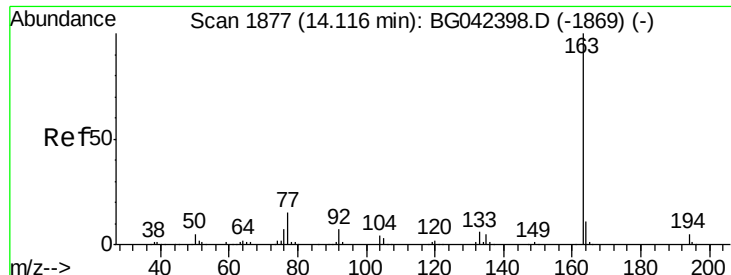
171 36.1 30.5 45.7

170 24.1 20.2 30.2



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: 7.724 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Instrument :

BNA_G

ClientSampleId :

PAR-12-A1-A4-(0-3.5)

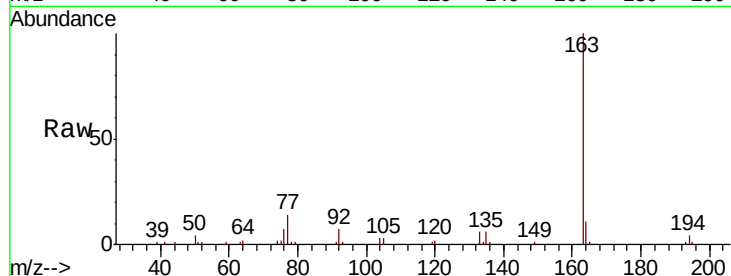
Tot Ion:163 Resp: 53746

Ion Ratio Lower Upper

163 100

194 4.2 4.2 6.2

164 11.4 8.8 13.2

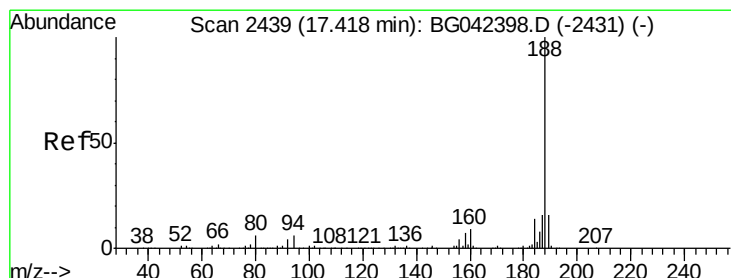
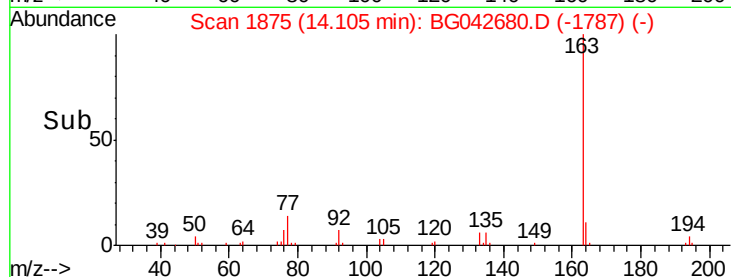
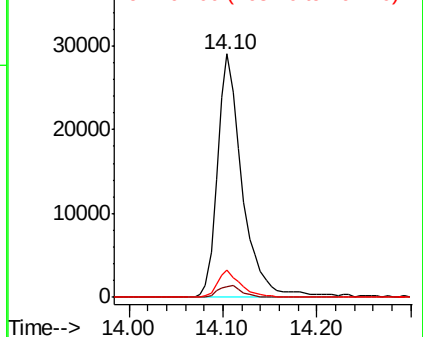


Abundance

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

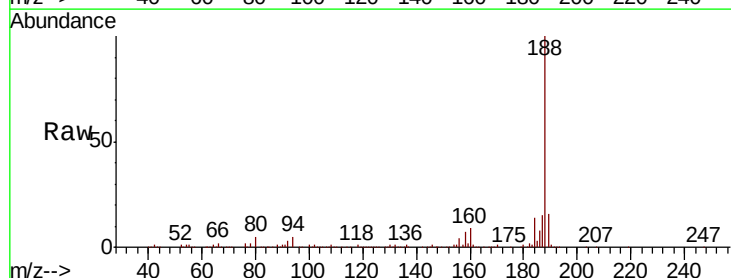
Tgt Ion:188 Resp: 227715

Ion Ratio Lower Upper

188 100

94 5.3 4.5 6.7

80 5.0 4.9 7.3

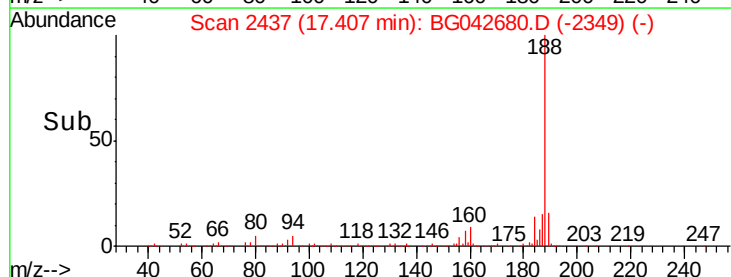
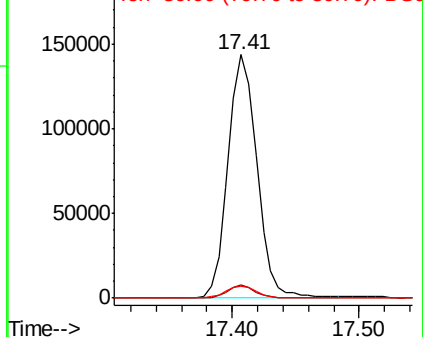


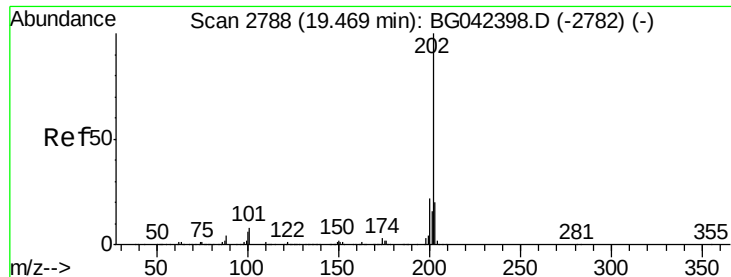
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG





#75

Fluoranthene

Concen: 3.254 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Instrument :

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ClientSampleId :

PAR-12-A1-A4-(0-3.5)

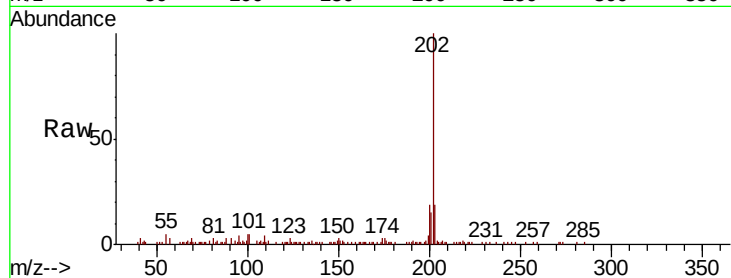
Tot Ion:202 Resp: 44918

Ion Ratio Lower Upper

202 100

101 5.2 0.0 28.3

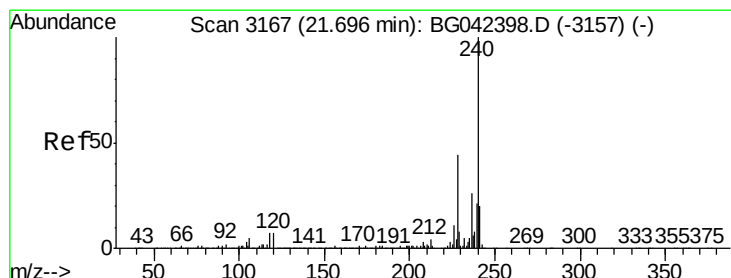
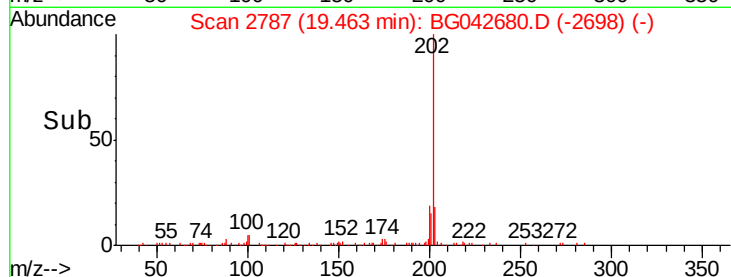
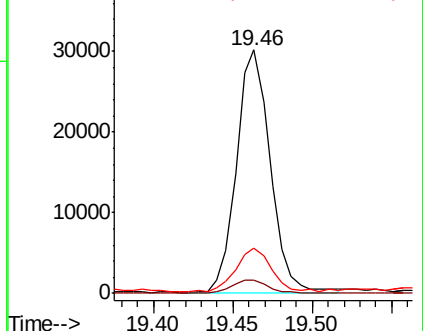
203 18.7 0.0 39.6



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: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

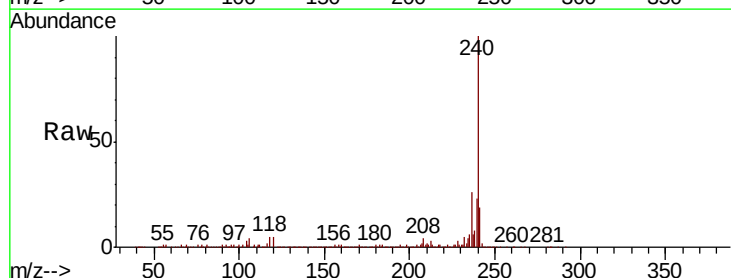
Tgt Ion:240 Resp: 247830

Ion Ratio Lower Upper

240 100

120 5.4 5.7 8.5#

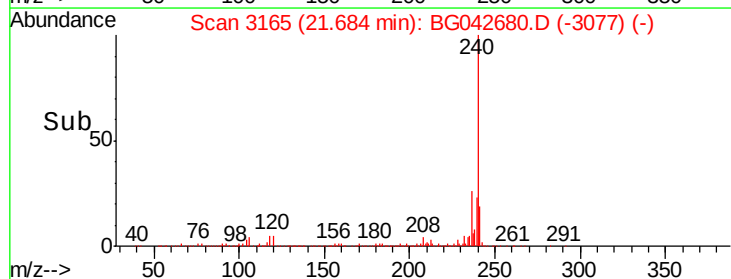
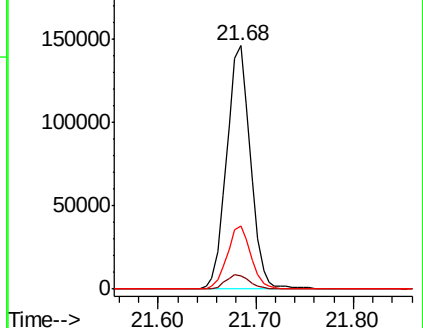
236 25.8 21.0 31.4

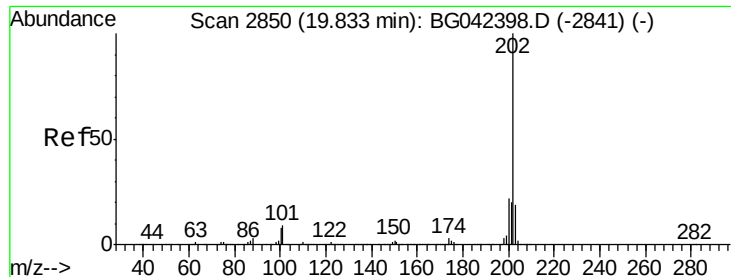


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.916 ng

RT: 19.82 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Instrument :

BNA_G

ClientSampleId :

PAR-12-A1-A4-(0-3.5)

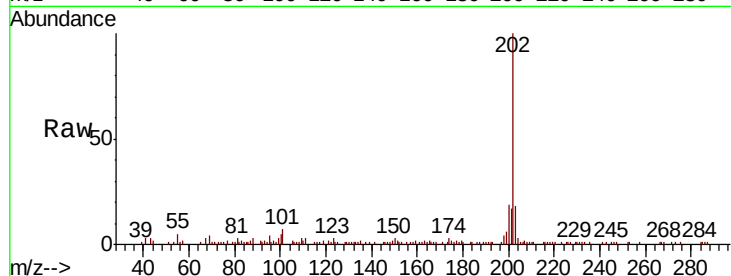
Tot Ion:202 Resp: 44301

Ion Ratio Lower Upper

202 100

200 19.4 17.8 26.6

203 18.1 15.5 23.3

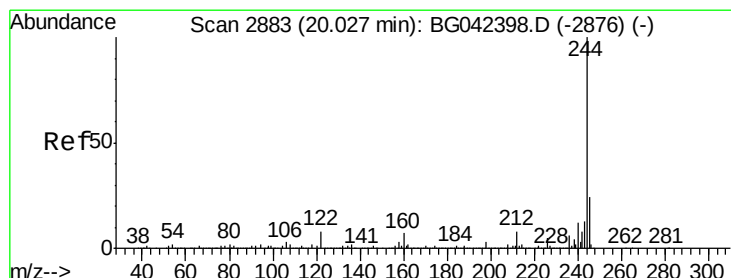
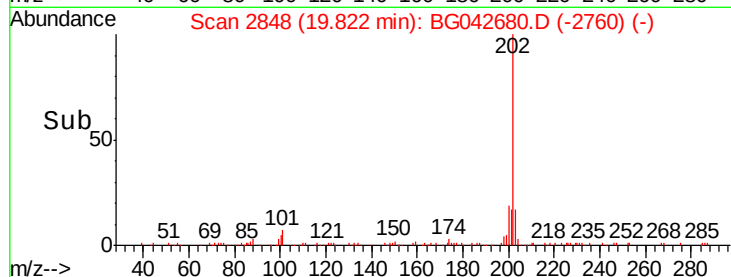
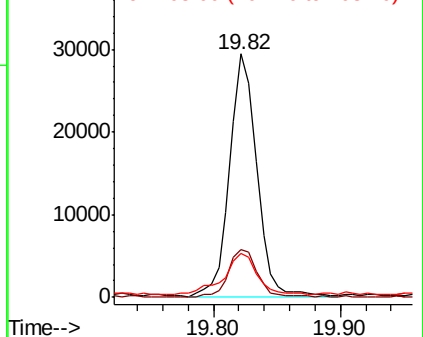


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 56.809 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

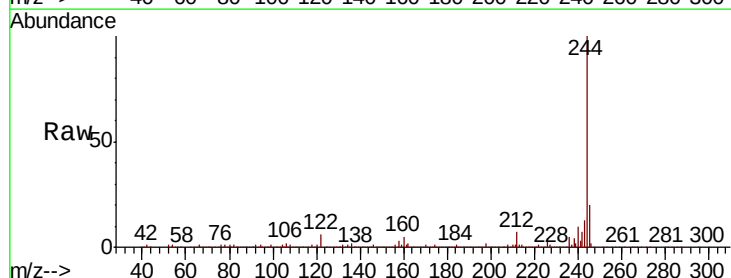
Tgt Ion:244 Resp: 651230

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

122 5.8 6.7 10.1#

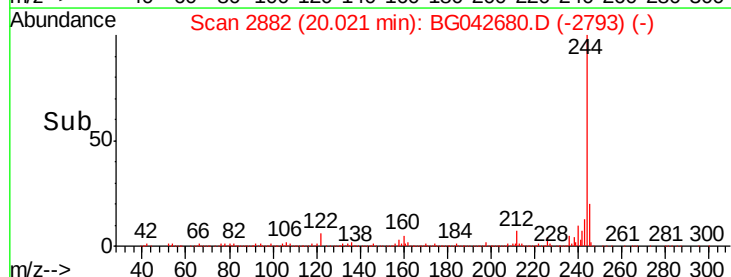
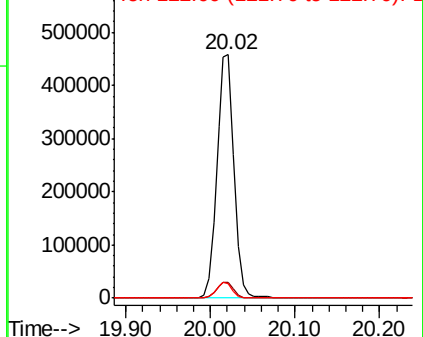


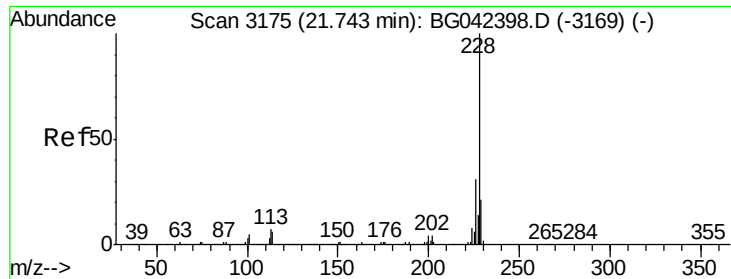
Abundance

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

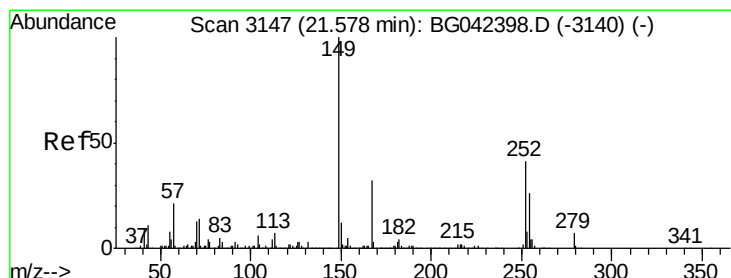
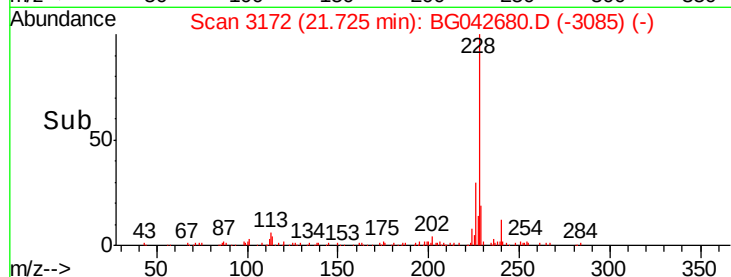
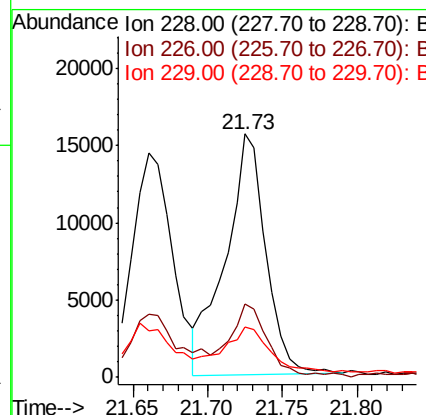
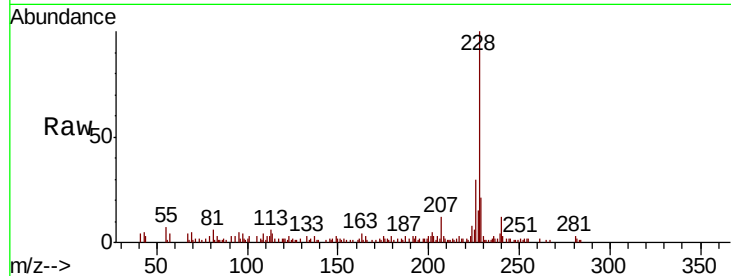




#83
 Chrysene
 Concen: 2.024 ng
 RT: 21.73 min Scan# 3172
 Delta R.T. -0.02 min
 Lab File: BG042680.D
 Acq: 2 Sep 2019 2:59

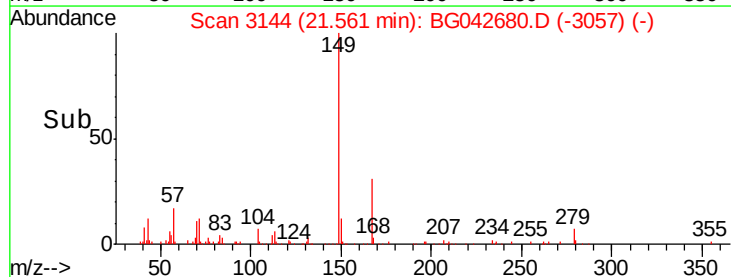
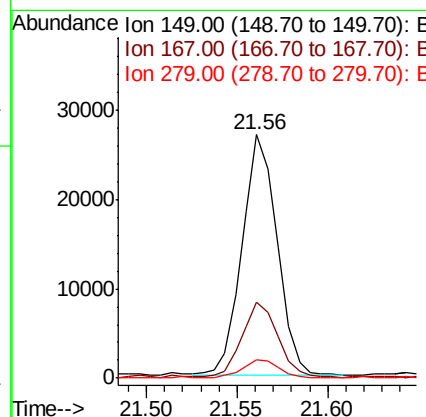
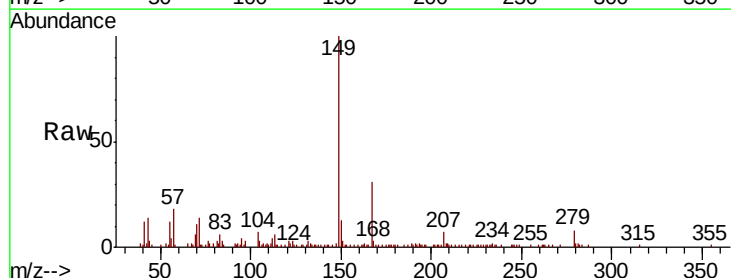
Instrument :
 BNA_G
 ClientSampleId :
 PAR-12-A1-A4-(0-3.5)

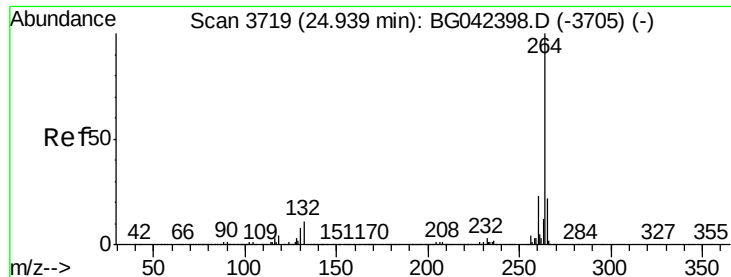
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	20.9	16.9	25.3



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.350 ng
 RT: 21.56 min Scan# 3144
 Delta R.T. -0.02 min
 Lab File: BG042680.D
 Acq: 2 Sep 2019 2:59

Tgt Ion	Ratio	Lower	Upper
149	100		
167	31.0	26.0	39.0
279	7.5	5.4	8.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Instrument :

BNA_G

ClientSampleId :

PAR-12-A1-A4-(0-3.5)

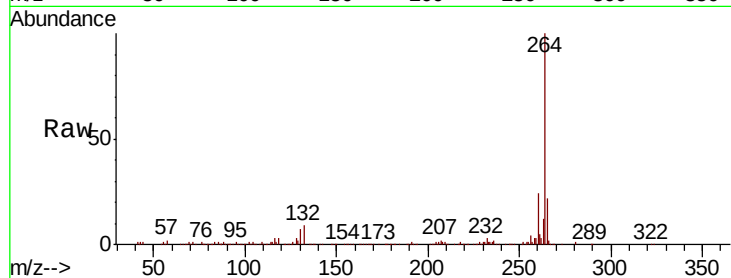
Tot Ion:264 Resp: 295674

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

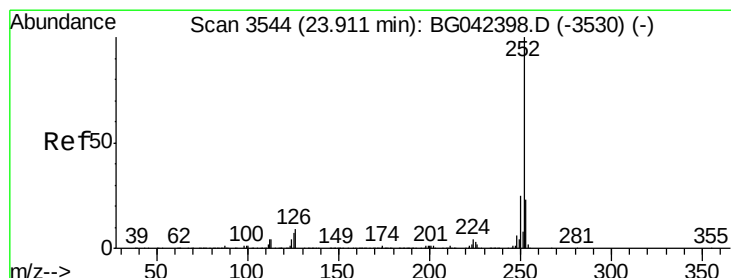
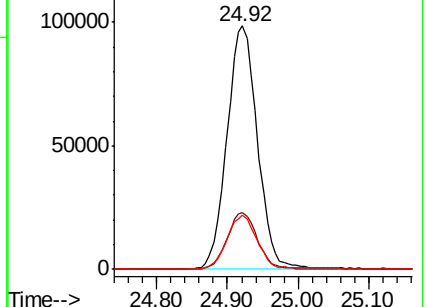
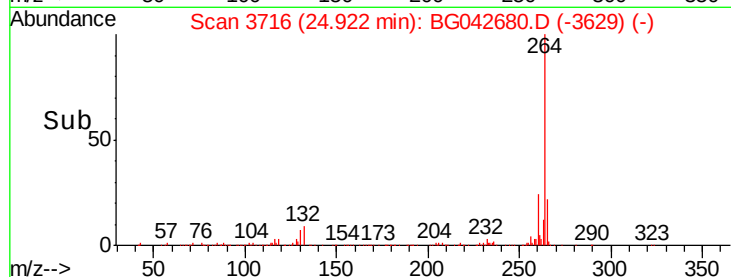
265 22.5 17.6 26.4



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



#88

Benzo(b)fluoranthene

Concen: 2.770 ng

RT: 23.89 min Scan# 3541

Delta R.T. -0.02 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

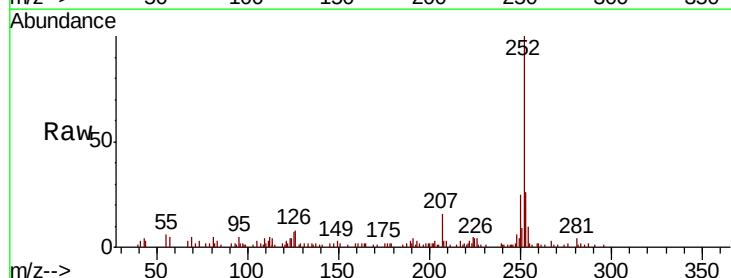
Tgt Ion:252 Resp: 45024

Ion Ratio Lower Upper

252 100

253 26.0 18.6 27.8

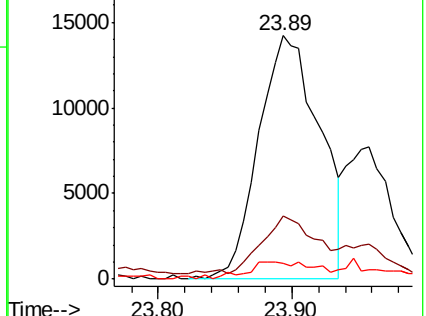
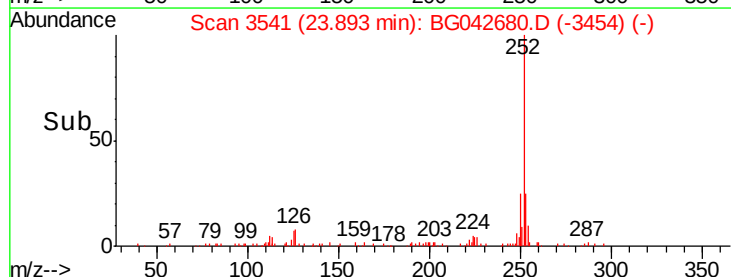
125 6.5 5.6 8.4

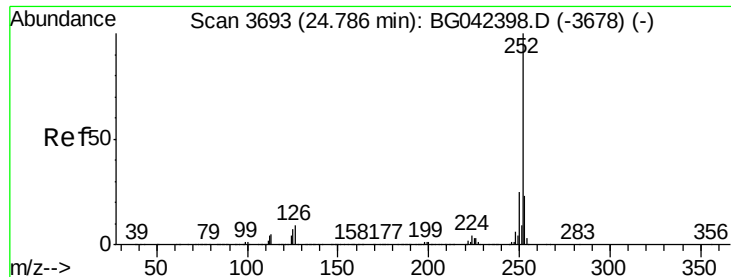


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.194 ng

RT: 24.76 min Scan# 3689

Delta R.T. -0.02 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Instrument :

BNA_G

ClientSampleId :

PAR-12-A1-A4-(0-3.5)

Tot Ion: 252 Resp: 33849

Ion Ratio Lower Upper

252 100

253 25.3 18.4 27.6

125 7.9 6.0 9.0

