

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
 Data File : BG042619.D
 Acq On : 31 Aug 2019 3:02
 Operator : HP/JU
 Sample : K4439-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S-4A-(5-7)

Quant Time: Aug 31 05:24:29 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

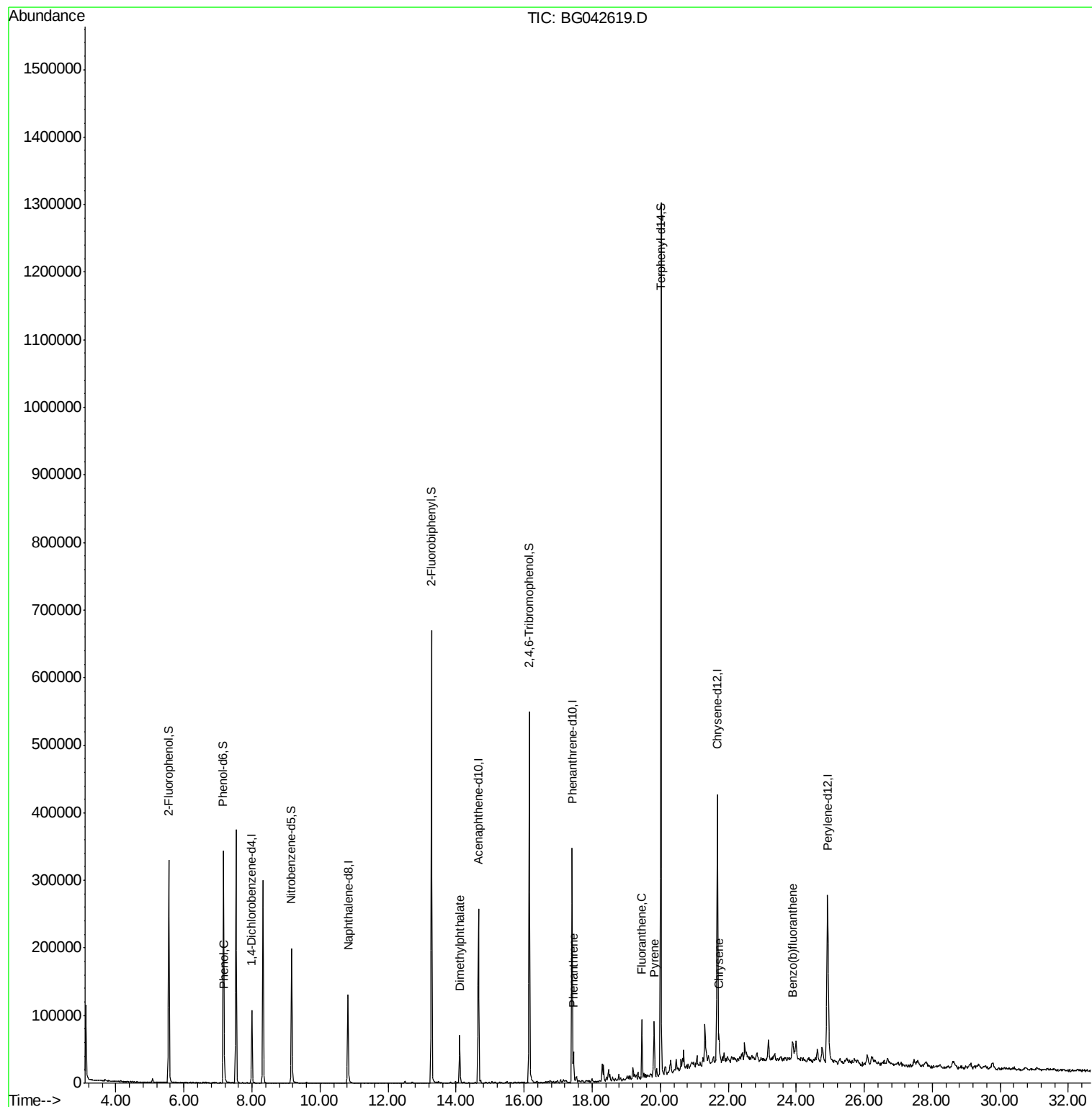
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	36293	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	139898	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	104661	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	233171	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	246143	20.00	ng	-0.01
87) Perylene-d12	24.92	264	291155	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	169487	94.58	ng	0.00
7) Phenol-d6	7.16	99	227476	93.98	ng	-0.01
23) Nitrobenzene-d5	9.16	82	131574	64.99	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	144644	97.23	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	410691	66.37	ng	0.00
79) Terphenyl-d14	20.02	244	704010	61.83	ng	0.00
Target Compounds						
10) Phenol	7.19	94	7207	2.928	ng	85
50) Dimethylphthalate	14.10	163	63590	8.421	ng	98
71) Phenanthrene	17.45	178	31847	2.750	ng	99
75) Fluoranthene	19.46	202	56260	3.980	ng	96
78) Pyrene	19.82	202	58915	3.904	ng	96
83) Chrysene	21.72	228	31397	2.174	ng	96
88) Benzo(b)fluoranthene	23.89	252	34851	2.177	ng	99

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

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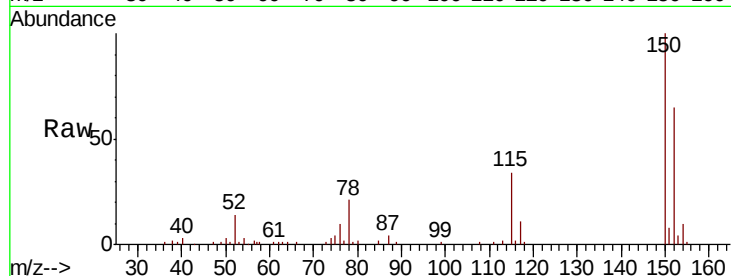


#1

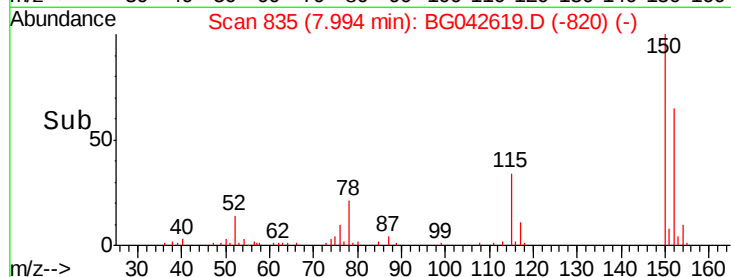
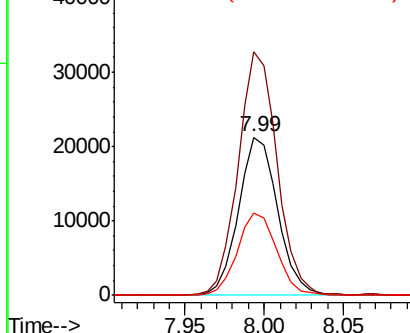
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042619.D
Acq: 31 Aug 2019 3:02

Instrument :
BNA_G
ClientSampleId :
S-4A-(5-7)

Tot Ion:152 Resp: 36293
Ion Ratio Lower Upper
152 100
150 154.0 125.4 188.0
115 52.5 38.5 57.7



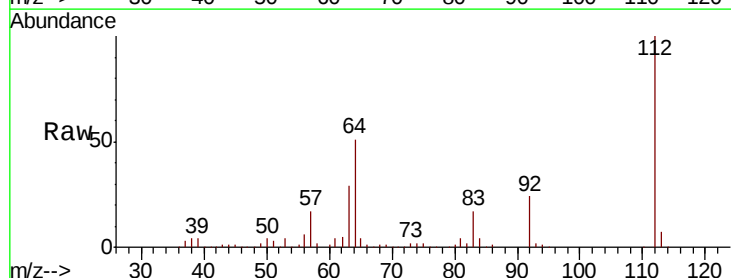
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



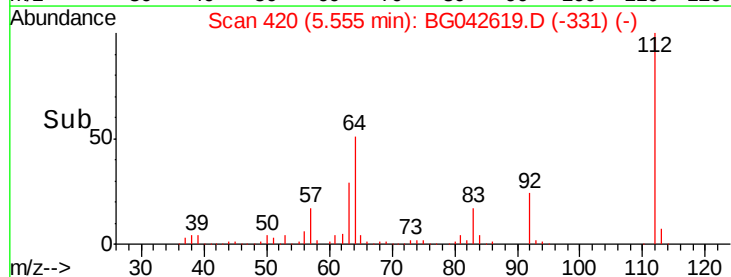
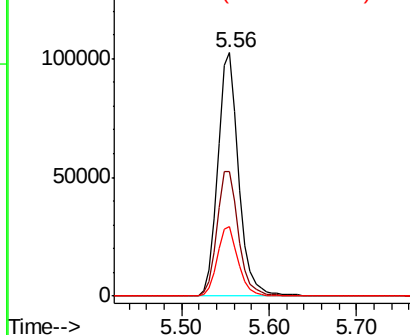
#5

2-Fluorophenol
Concen: 94.580 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042619.D
Acq: 31 Aug 2019 3:02

Tgt Ion:112 Resp: 169487
Ion Ratio Lower Upper
112 100
64 51.3 42.8 64.2
63 28.8 22.7 34.1



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: 93.976 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampleId :

S-4A-(5-7)

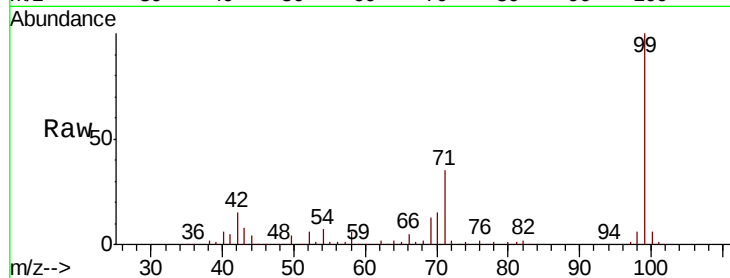
Tot Ion: 99 Resp: 227476

Ion Ratio Lower Upper

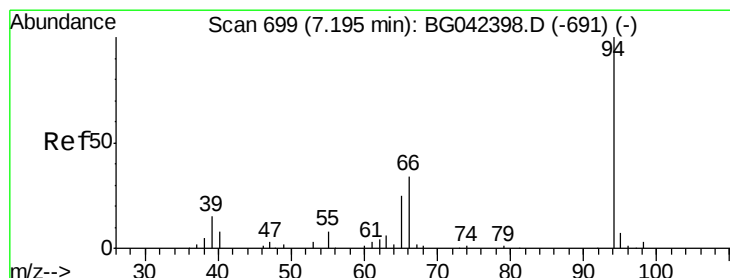
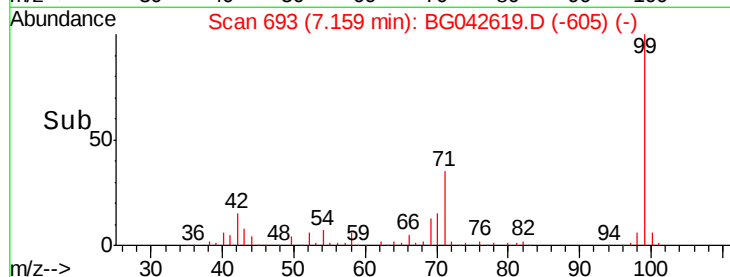
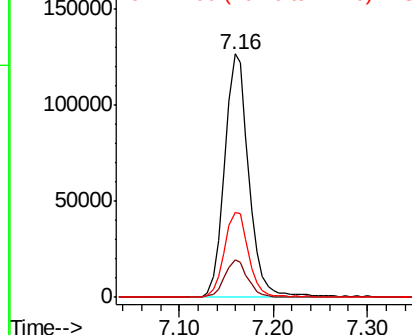
99 100

42 15.4 12.0 18.0

71 34.9 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



#10

Phenol

Concen: 2.928 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

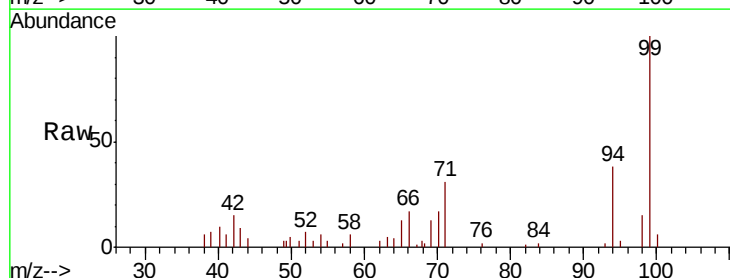
Tgt Ion: 94 Resp: 7207

Ion Ratio Lower Upper

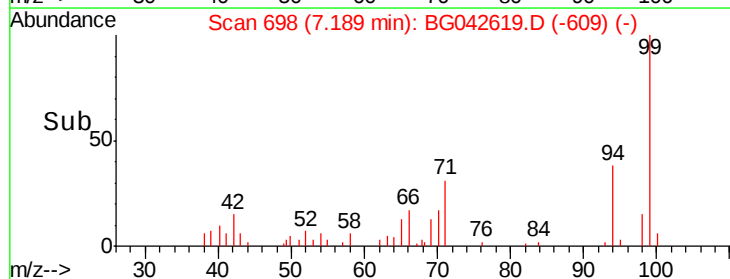
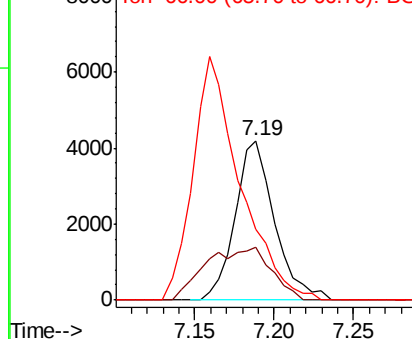
94 100

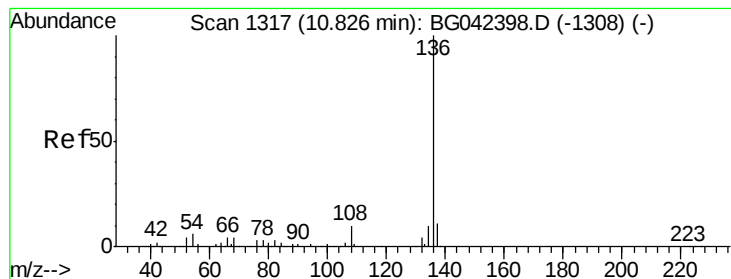
65 33.5 5.6 45.6

66 44.4 16.0 56.0



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampleId :

S-4A-(5-7)

Tot Ion:136 Resp: 139898

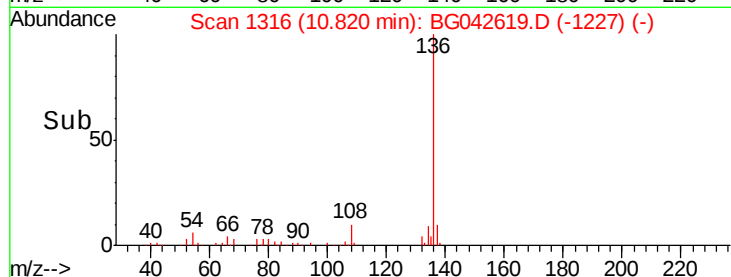
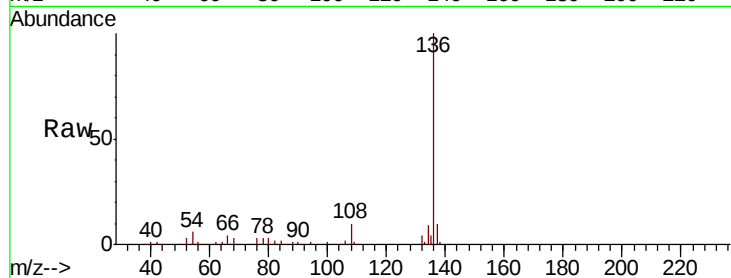
Ion Ratio Lower Upper

136 100

137 10.4 8.7 13.1

54 5.7 4.9 7.3

68 3.5 3.6 5.4#

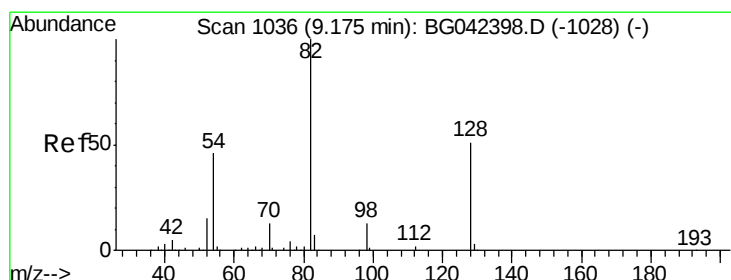
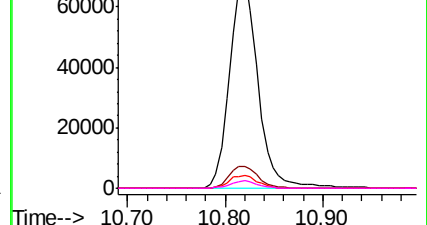


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 64.992 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

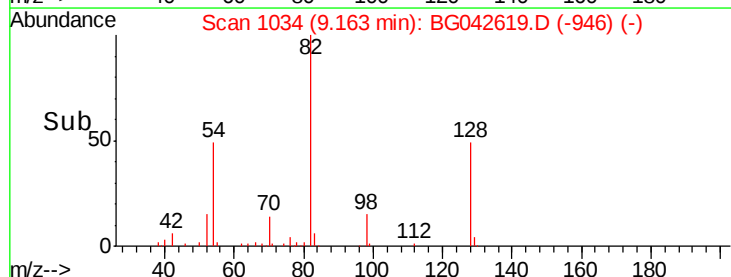
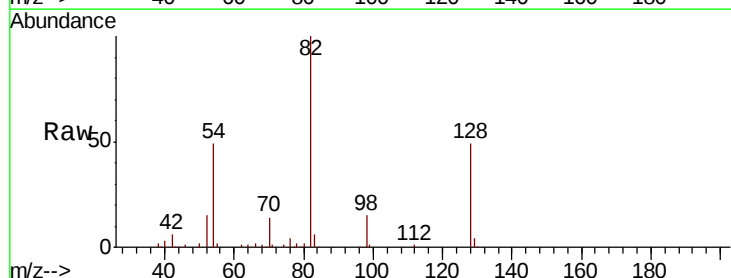
Tgt Ion: 82 Resp: 131574

Ion Ratio Lower Upper

82 100

128 48.8 40.7 61.1

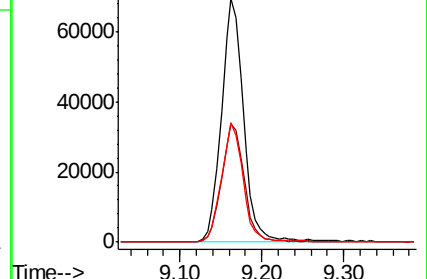
54 48.8 36.3 54.5

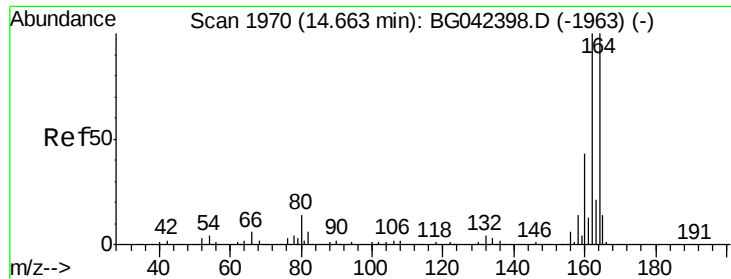


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampleId :

S-4A-(5-7)

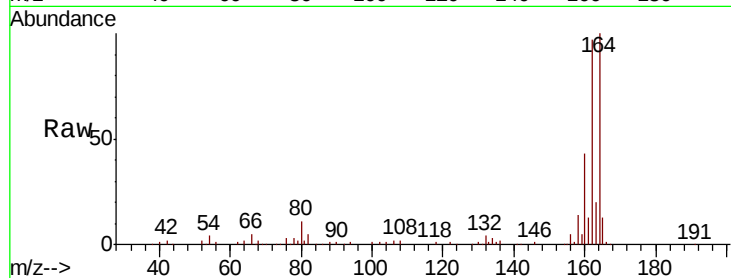
Tot Ion:164 Resp: 104661

Ion Ratio Lower Upper

164 100

162 97.3 79.9 119.9

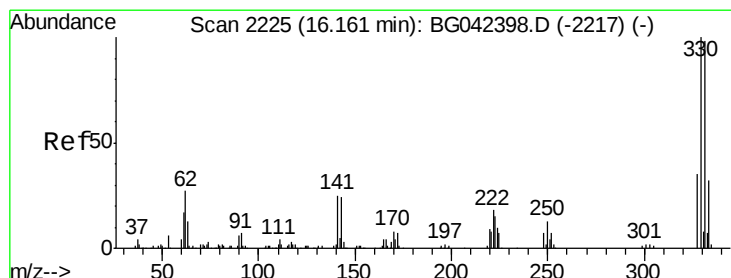
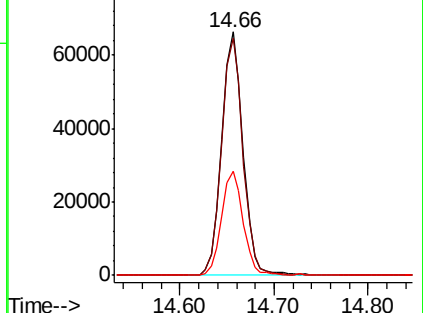
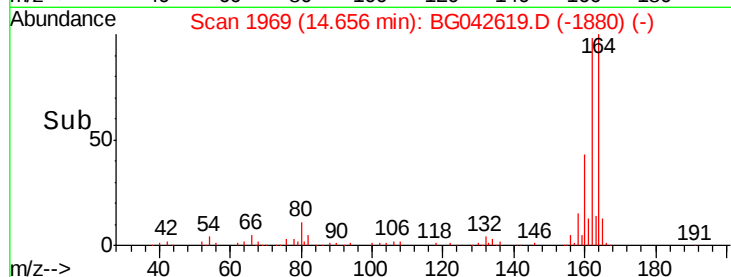
160 42.7 34.3 51.5



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: 97.234 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

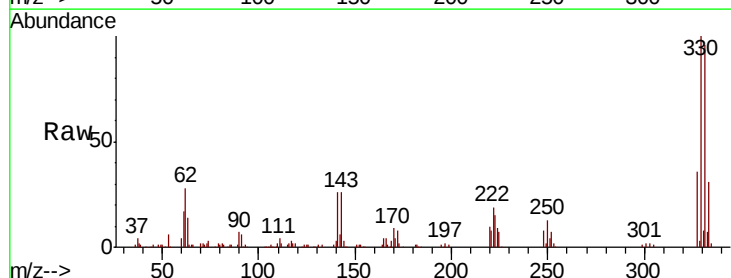
Tgt Ion:330 Resp: 144644

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.0

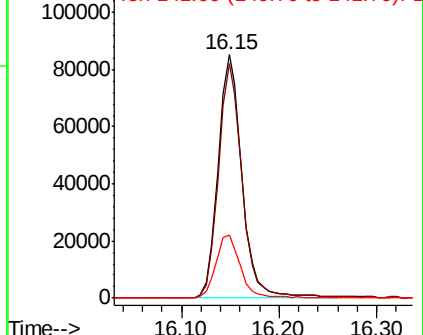
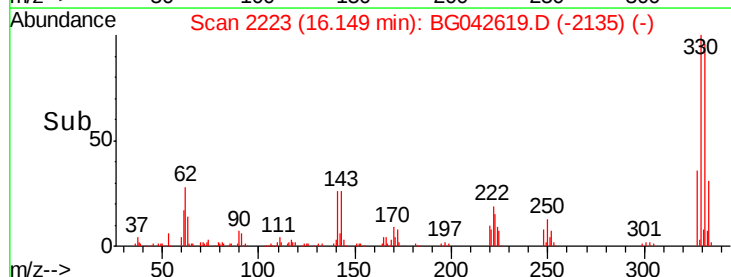
141 26.5 21.4 32.0



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

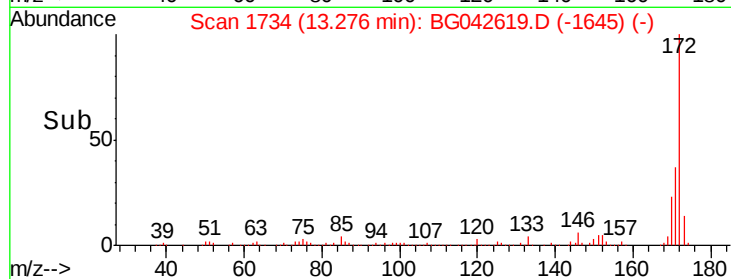
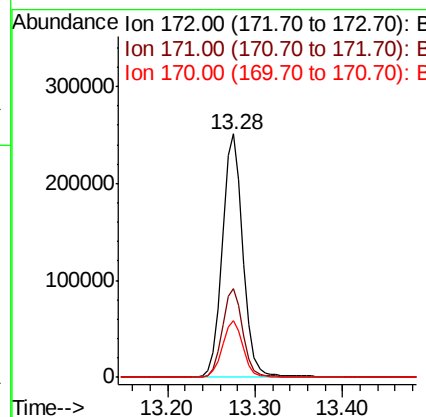
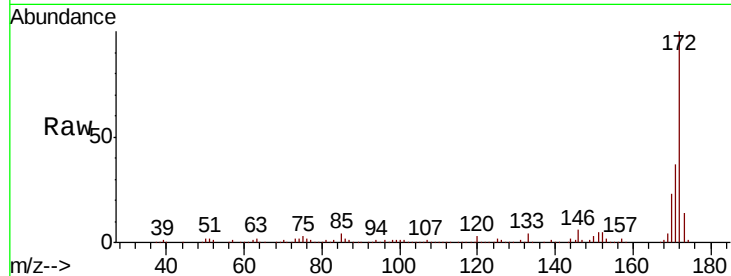




#45
 2-Fluorobiphenyl
 Concen: 66.366 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042619.D
 Acq: 31 Aug 2019 3:02

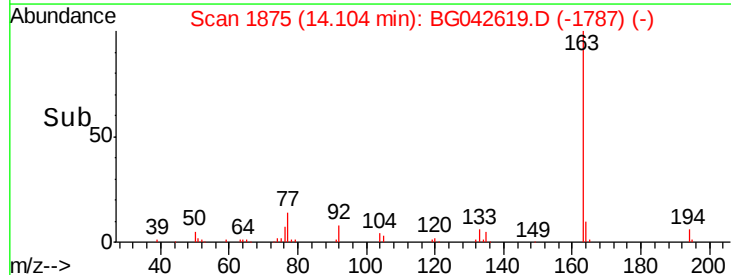
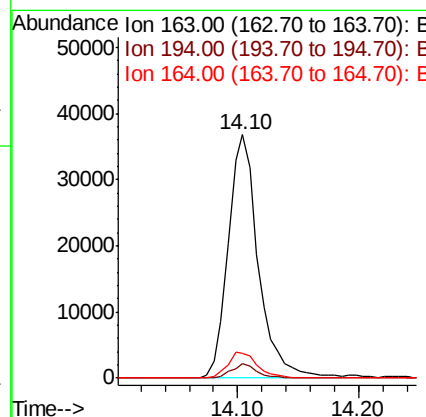
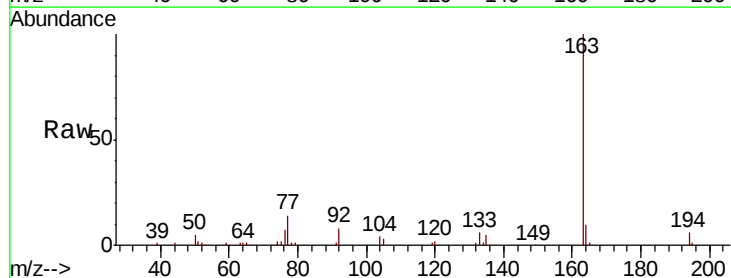
Instrument :
 BNA_G
 ClientSampleId :
 S-4A-(5-7)

Tot Ion:172 Resp: 410691
 Ion Ratio Lower Upper
 172 100
 171 36.7 30.5 45.7
 170 23.2 20.2 30.2



#50
 Dimethylphthalate
 Concen: 8.421 ng
 RT: 14.10 min Scan# 1875
 Delta R.T. -0.01 min
 Lab File: BG042619.D
 Acq: 31 Aug 2019 3:02

Tgt Ion:163 Resp: 63590
 Ion Ratio Lower Upper
 163 100
 194 6.0 4.2 6.2
 164 10.4 8.8 13.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampleId :

S-4A-(5-7)

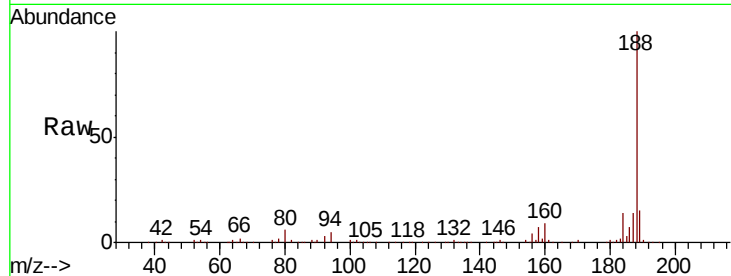
Tot Ion:188 Resp: 233171

Ion Ratio Lower Upper

188 100

94 5.1 4.5 6.7

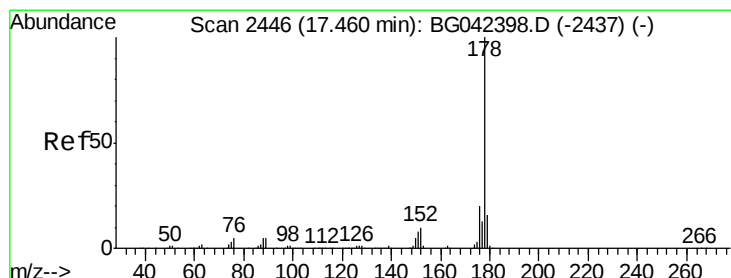
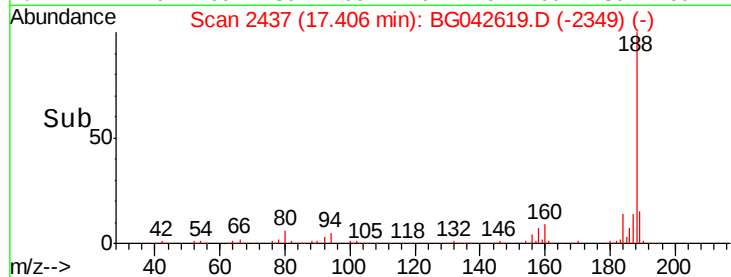
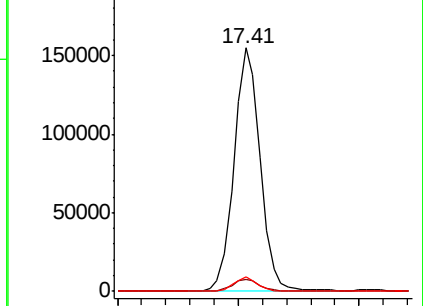
80 5.8 4.9 7.3



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: 2.750 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

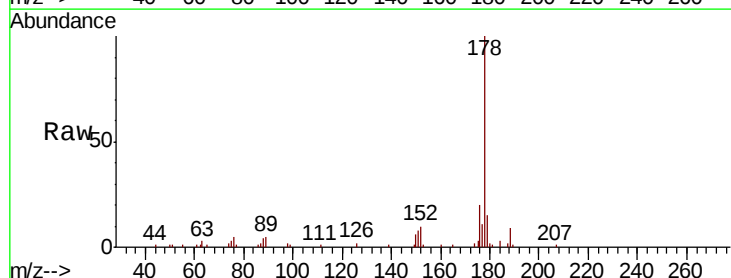
Tgt Ion:178 Resp: 31847

Ion Ratio Lower Upper

178 100

176 20.3 15.9 23.9

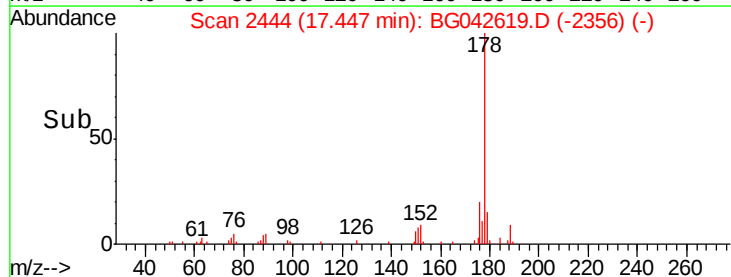
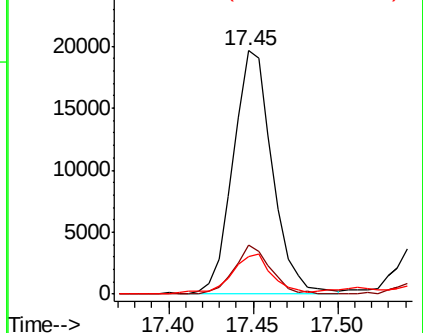
179 15.2 12.7 19.1

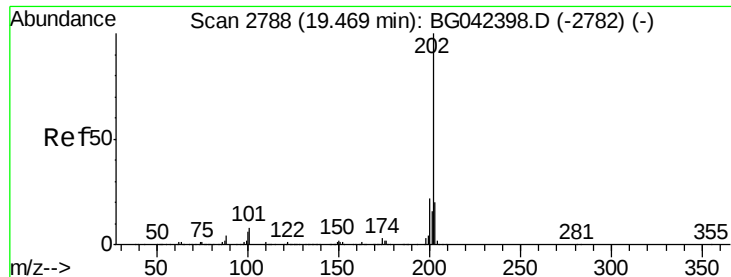


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.980 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

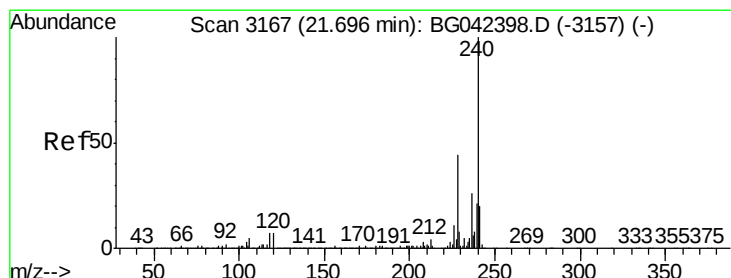
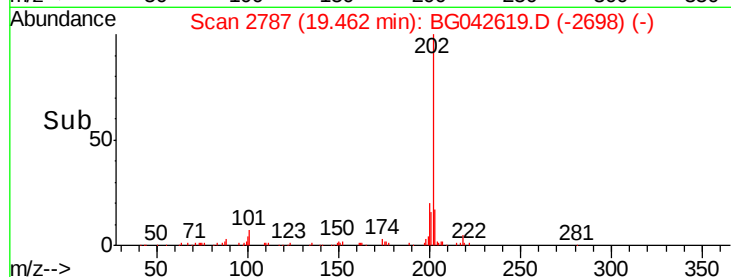
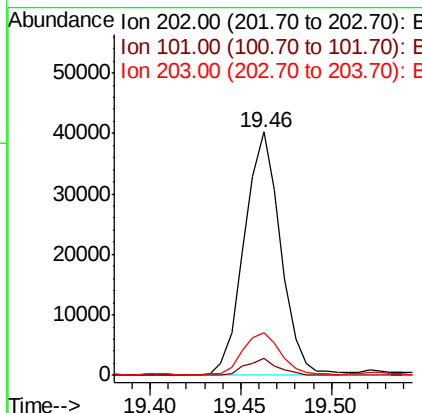
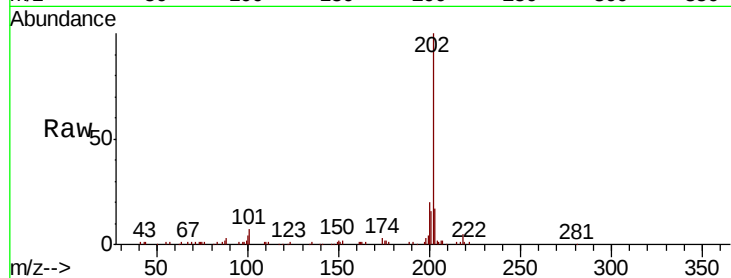
Instrument :

BNA_G

ClientSampleId :

S-4A-(5-7)

Tot Ion:	202	Resp:	56260
Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	28.3
203	17.4	0.0	39.6



#76

Chrysene-d12

Concen: 20.000 ng

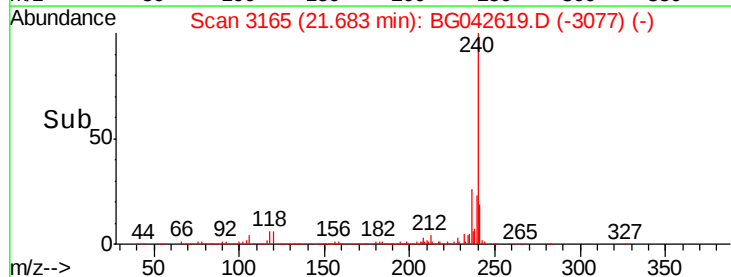
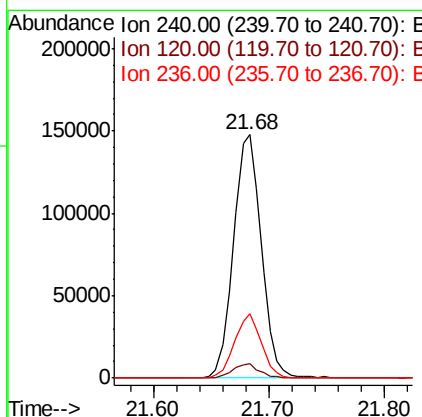
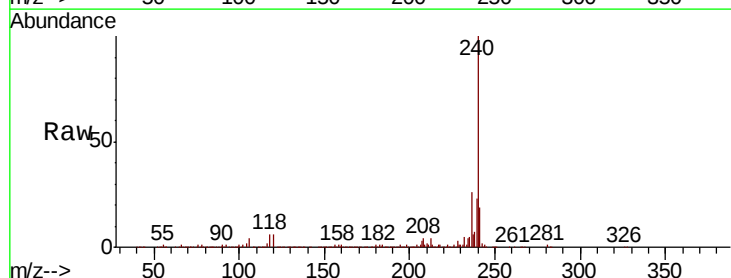
RT: 21.68 min Scan# 3165

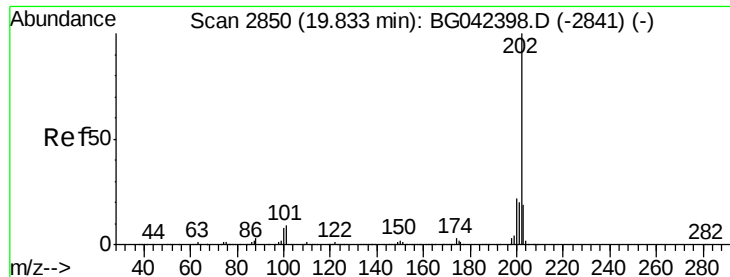
Delta R.T. -0.01 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Tgt Ion:	240	Resp:	246143
Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.7	8.5
236	26.4	21.0	31.4

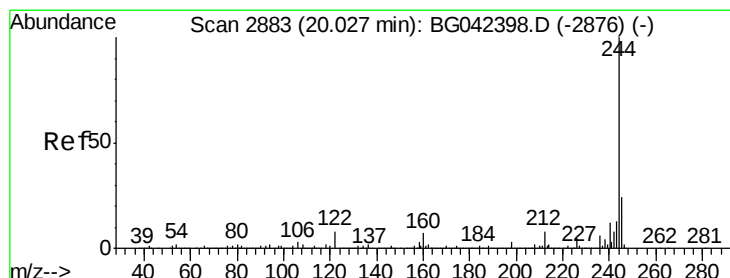
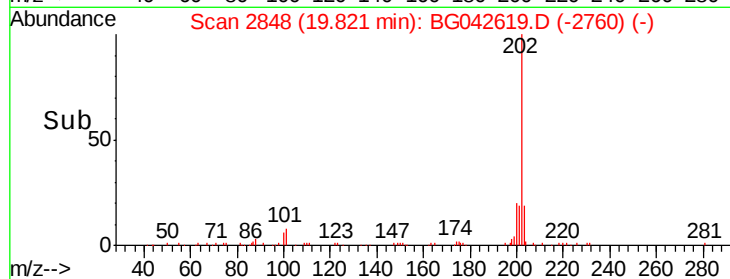
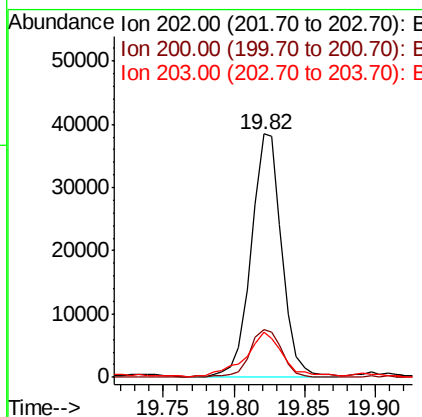
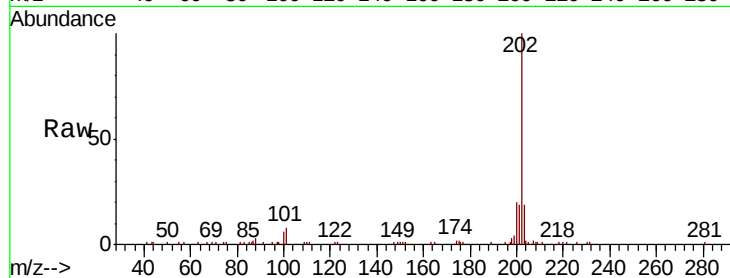




#78
Pvrene
Concen: 3.904 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG042619.D
Acq: 31 Aug 2019 3:02

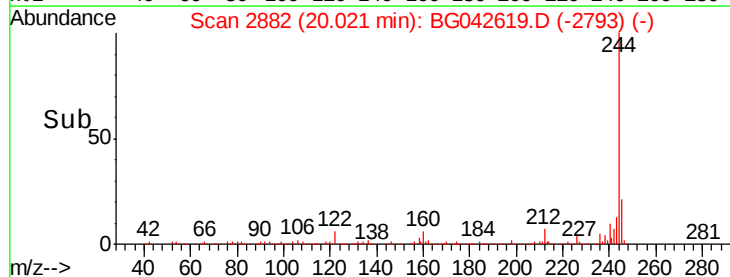
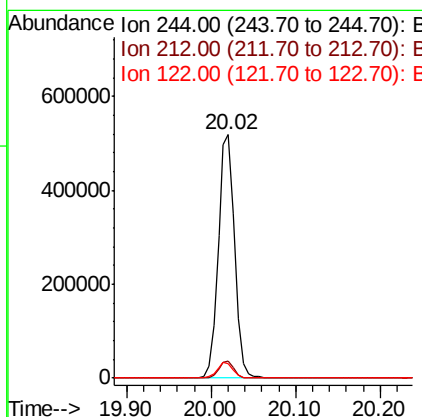
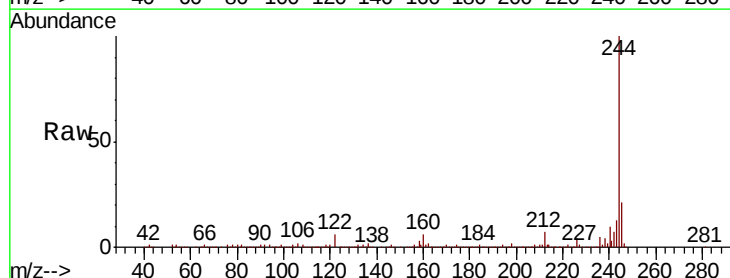
Instrument :
BNA_G
ClientSampleId :
S-4A-(5-7)

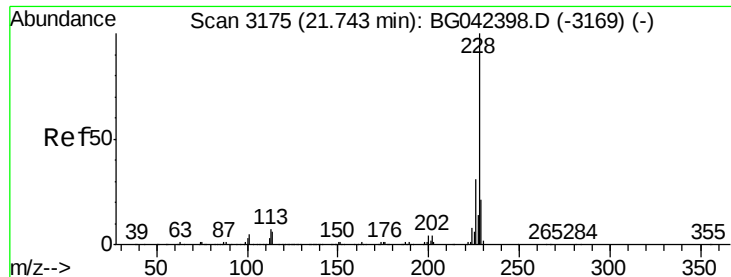
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.8	26.6
203	18.7	15.5	23.3



#79
Terphenyl-d14
Concen: 61.834 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042619.D
Acq: 31 Aug 2019 3:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	6.2	6.7	10.1#

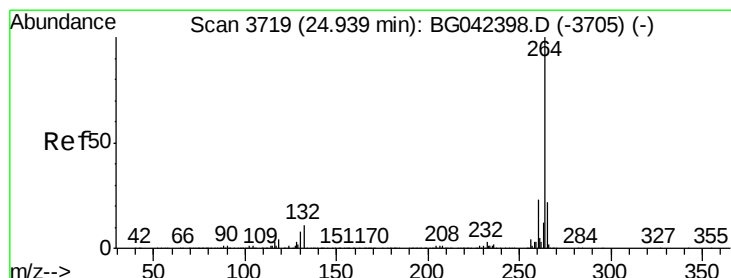
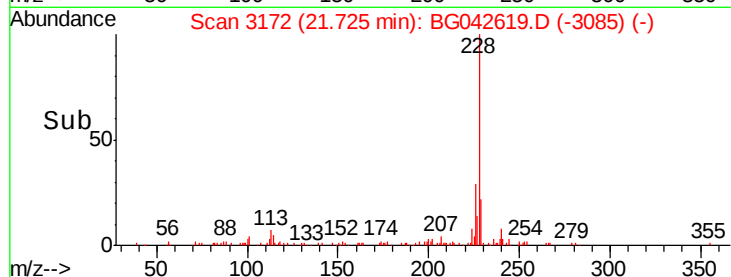
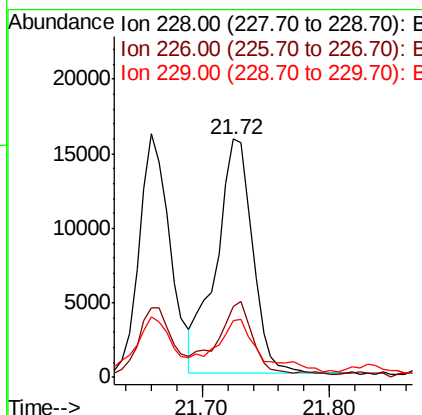
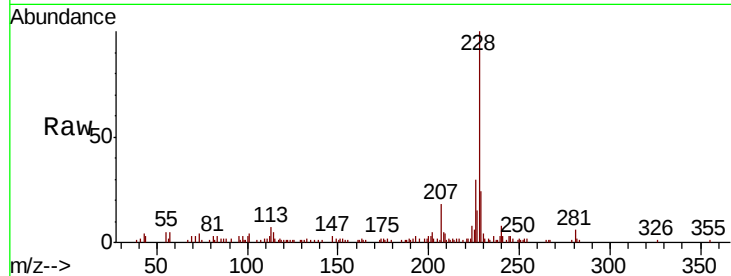




#83
Chrysene
Concen: 2.174 ng
RT: 21.72 min Scan# 3172
Delta R.T. -0.02 min
Lab File: BG042619.D
Acq: 31 Aug 2019 3:02

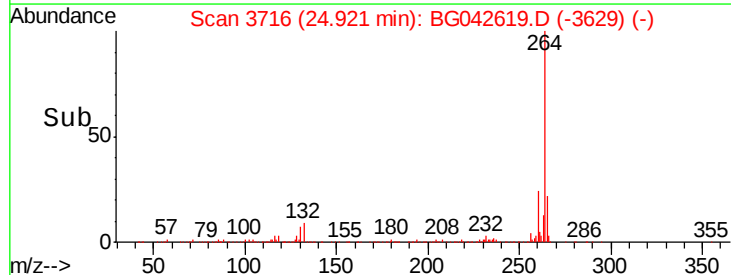
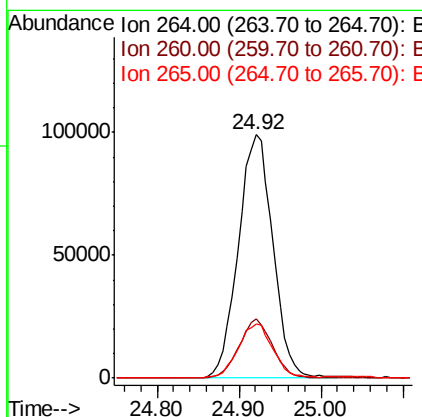
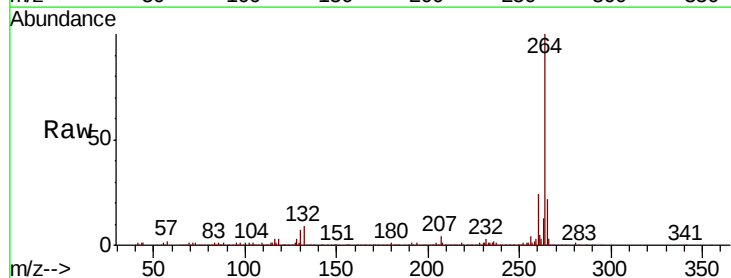
Instrument :
BNA_G
ClientSampleId :
S-4A-(5-7)

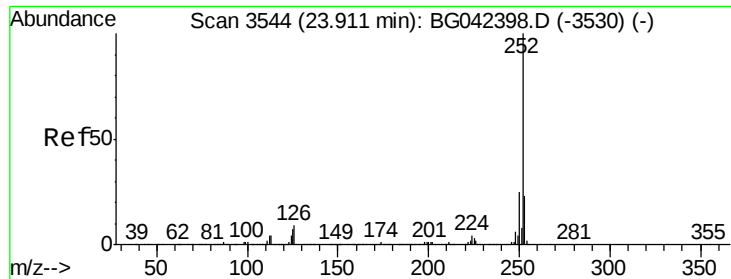
Tot	Ion:228	Resp:	31397
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	24.1	16.9	25.3



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042619.D
Acq: 31 Aug 2019 3:02

Tgt Ion	264	Resp: Lower	291155 Upper
	Ratio		
264	100		
260	24.2	18.5	27.7
265	22.2	17.6	26.4





#88

Benzo(b)fluoranthene

Concen: 2.177 ng

RT: 23.89 min Scan# 3541

Delta R.T. -0.02 min

Lab File: BG042619.D

Acq: 31 Aug 2019 3:02

Instrument :

BNA_G

ClientSampleId :

S-4A-(5-7)

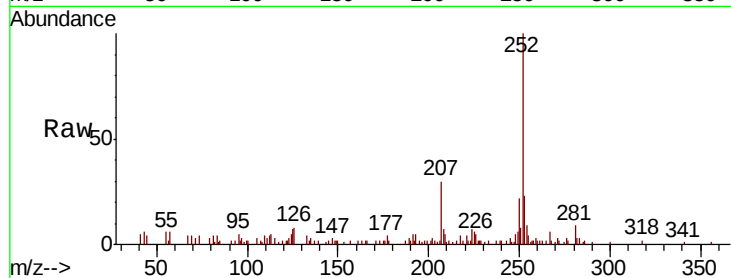
Tot Ion:252 Resp: 34851

Ion Ratio Lower Upper

252 100

253 22.9 18.6 27.8

125 7.1 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

