

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
 Data File : BG042618.D
 Acq On : 31 Aug 2019 2:23
 Operator : HP/JU
 Sample : K4409-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 31 05:10:36 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	8.00	152	36556	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	141996	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	106768	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	247258	20.00	ng	0.00
76) Chrysene-d12	21.68	240	262260	20.00	ng	-0.01
87) Perylene-d12	24.92	264	305090	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	267640	148.28	ng	0.00
7) Phenol-d6	7.16	99	353846	145.13	ng	0.00
23) Nitrobenzene-d5	9.17	82	201846	98.23	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	225663	148.70	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	578852	91.69	ng	0.00
79) Terphenyl-d14	20.02	244	979505	80.74	ng	0.00

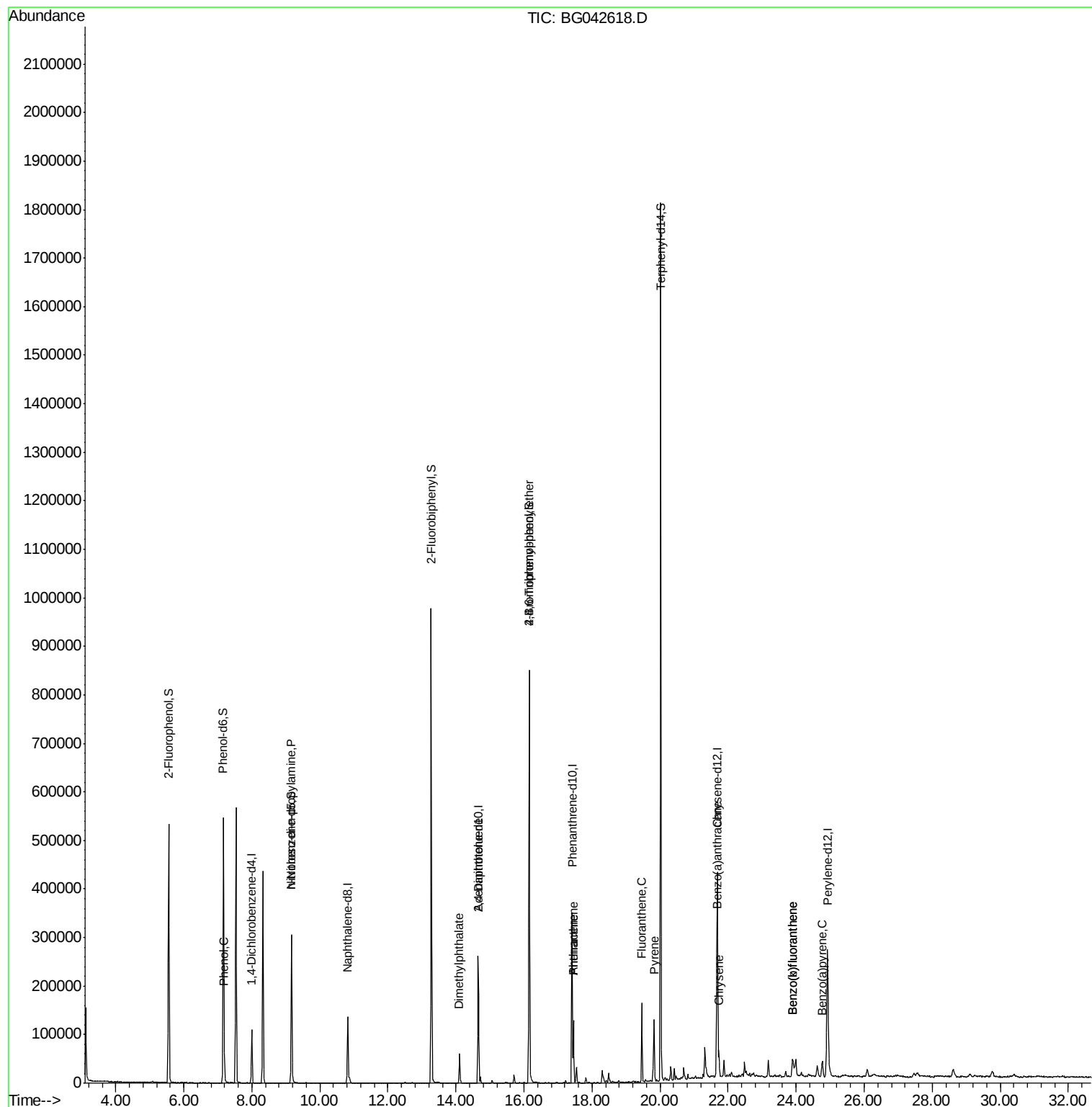
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	20119	8.116	ng	86
19) n-Nitroso-di-n-propylamine	9.17	70	27147	17.187	ng	# 74
50) Dimethylphthalate	14.10	163	53685	6.969	ng	100
57) 2,4-Dinitrotoluene	14.65	165	14065	5.501	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	15300	4.878	ng	# 1
71) Phenanthrene	17.45	178	93595	7.621	ng	97
72) Anthracene	17.45	178	93595	7.634	ng	98
75) Fluoranthene	19.46	202	120439	8.035	ng	95
78) Pyrene	19.82	202	95145	5.917	ng	95
81) Benzo(a)anthracene	21.66	228	51753	3.244	ng	95
83) Chrysene	21.73	228	39649	2.577	ng	96
88) Benzo(b)fluoranthene	23.90	252	55370	3.301	ng	97
89) Benzo(k)fluoranthene	23.90	252	55370	3.434	ng	97
90) Benzo(a)pyrene	24.77	252	42937	2.698	ng	98

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

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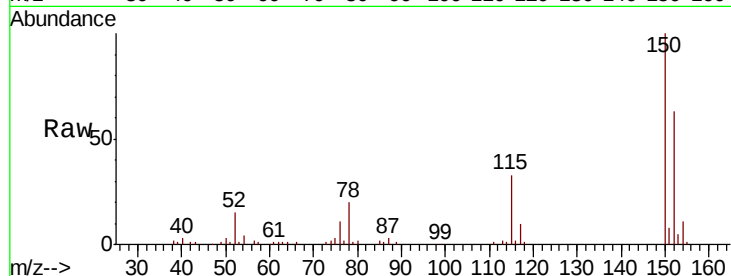


#1

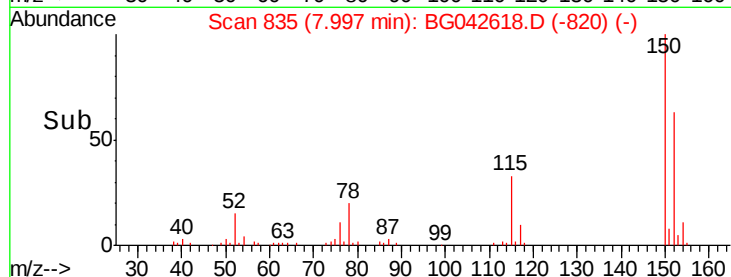
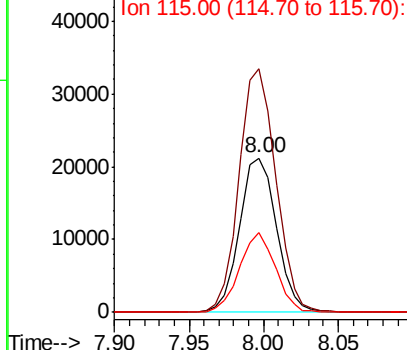
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36556
Ion Ratio Lower Upper
152 100
150 157.7 125.4 188.0
115 51.8 38.5 57.7



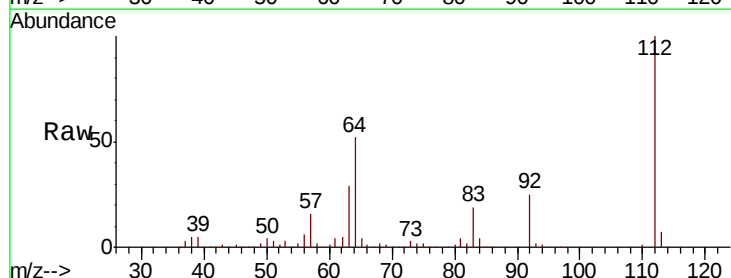
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



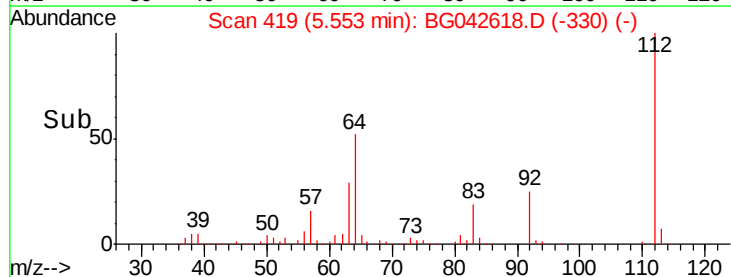
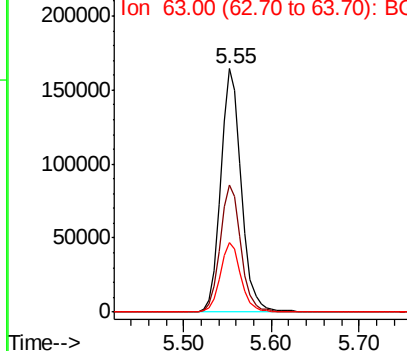
#5

2-Fluorophenol
Concen: 148.279 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion:112 Resp: 267640
Ion Ratio Lower Upper
112 100
64 52.2 42.8 64.2
63 28.6 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: 145.131 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

Instrument :

BNA_G

ClientSampleId :

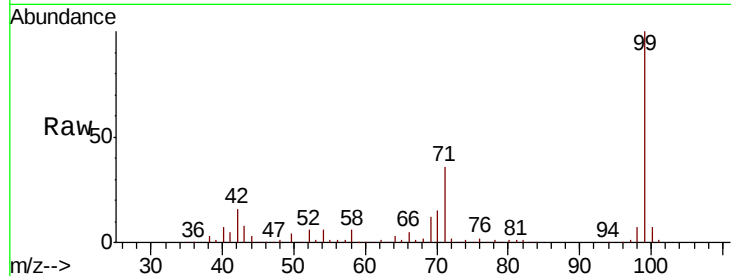
Tot Ion: 99 Resp: 353846

Ion Ratio Lower Upper

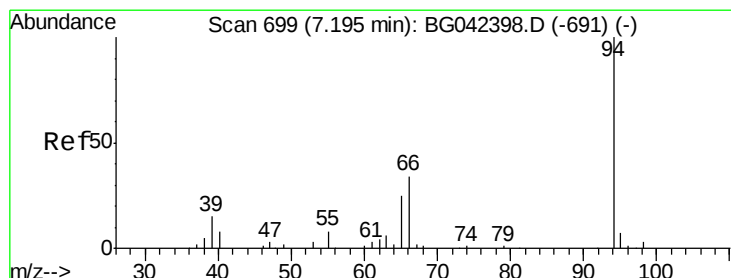
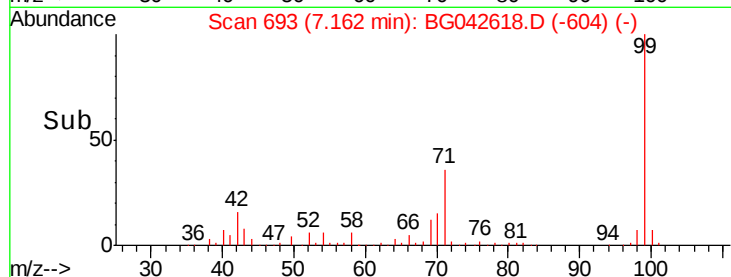
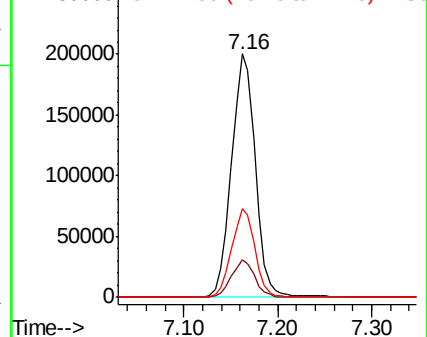
99 100

42 15.6 12.0 18.0

71 36.3 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: 8.116 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

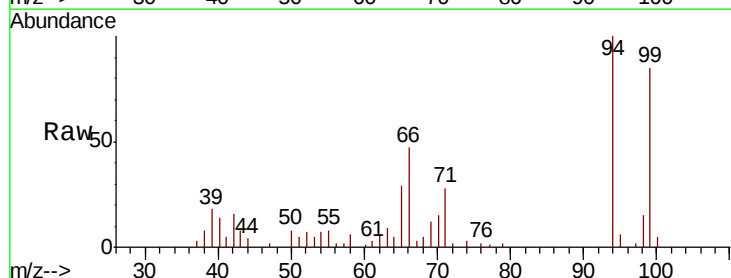
Tgt Ion: 94 Resp: 20119

Ion Ratio Lower Upper

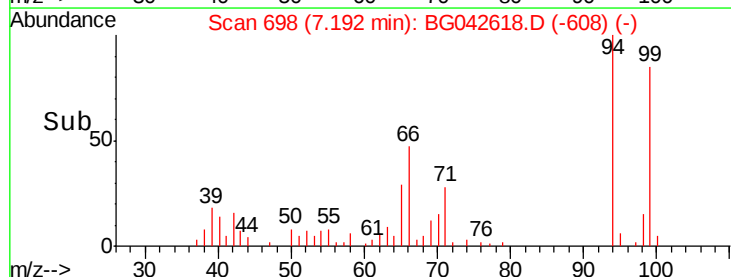
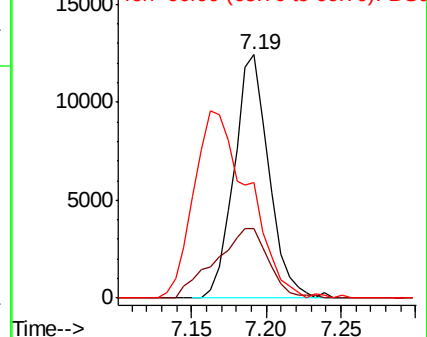
94 100

65 28.6 5.6 45.6

66 47.4 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

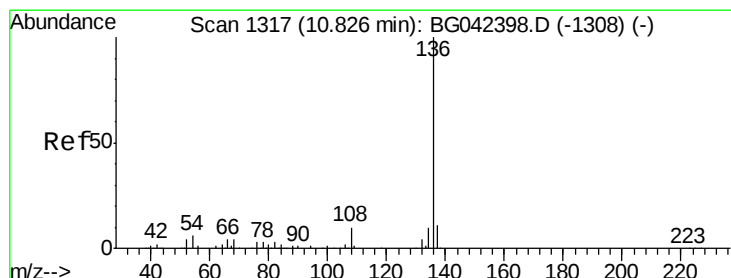
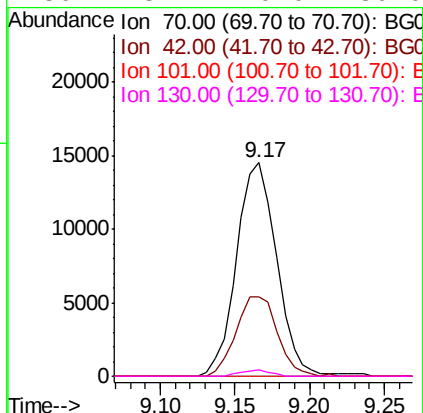
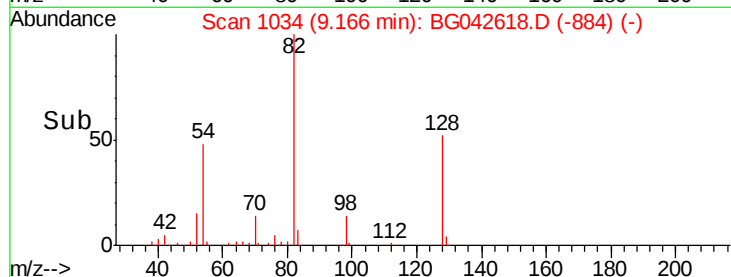
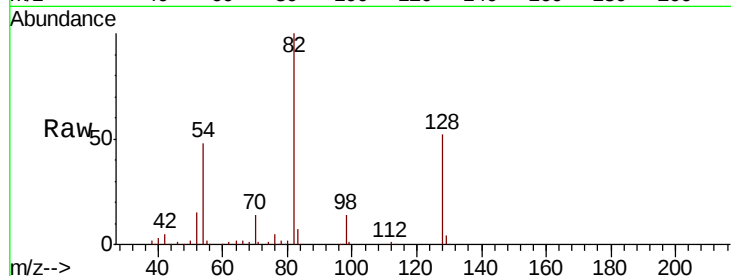




#19
n-Nitroso-di-n-propylamine
Concen: 17.187 ng
RT: 9.17 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

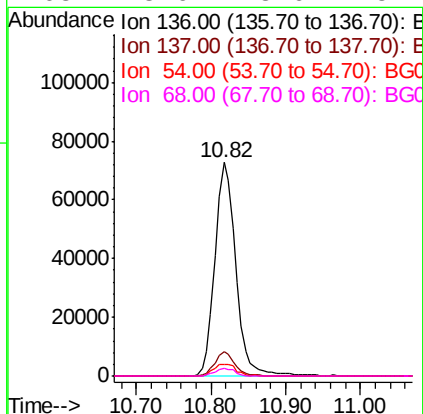
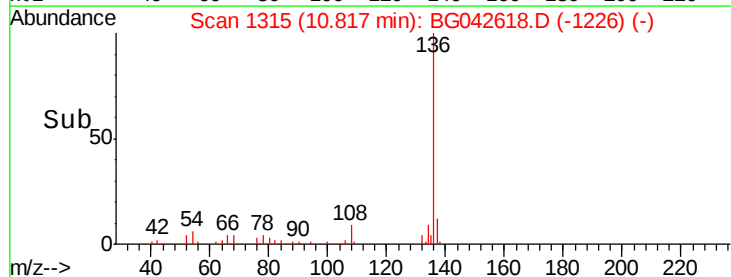
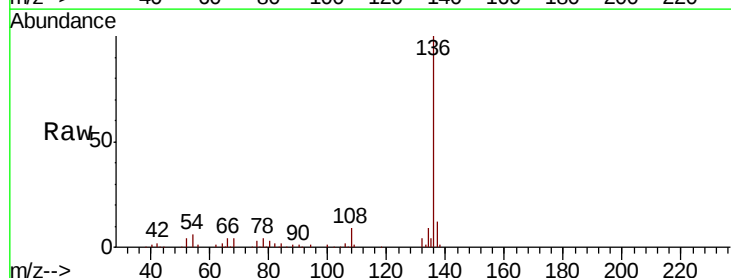
Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 27147
Ion Ratio Lower Upper
70 100
42 37.3 38.8 58.2#
101 0.0 9.0 13.6#
130 3.1 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion: 136 Resp: 141996
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 5.7 4.9 7.3
68 3.6 3.6 5.4

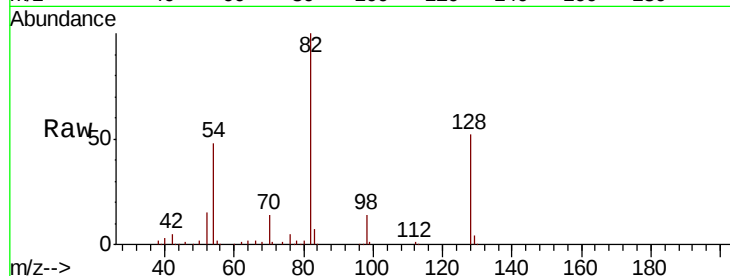




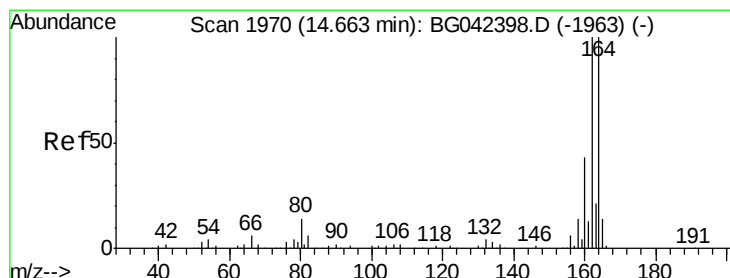
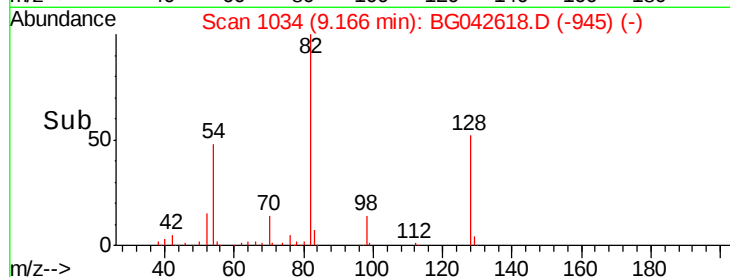
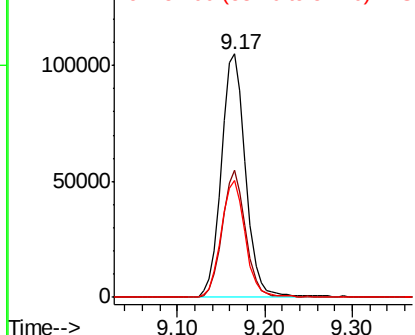
#23
 Nitrobenzene-d5
 Concen: 98.231 ng
 RT: 9.17 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042618.D
 Acq: 31 Aug 2019 2:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	201846
Ion Ratio	Lower	Upper	
82	100		
128	52.5	40.7	61.1
54	48.2	36.3	54.5

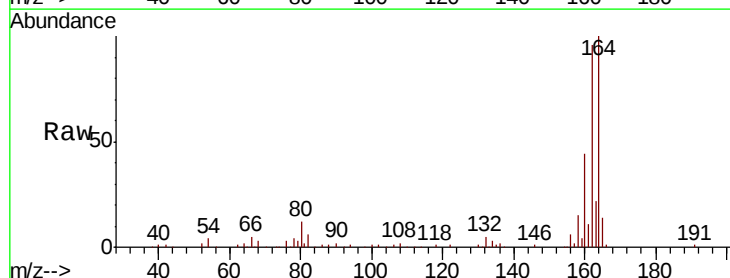


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

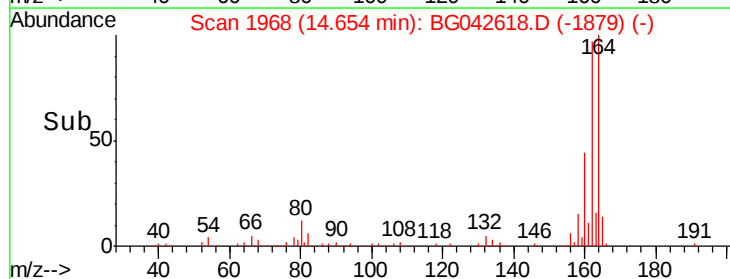
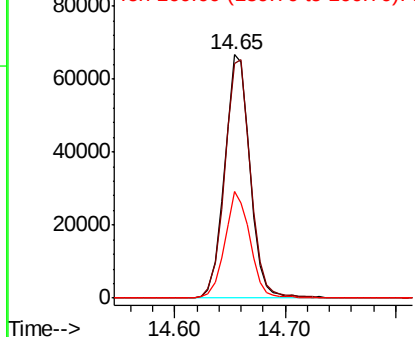


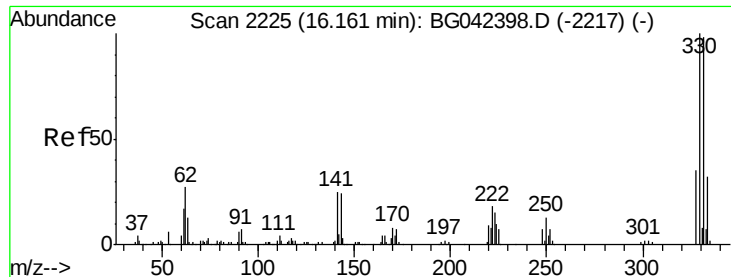
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BG042618.D
 Acq: 31 Aug 2019 2:23

Tgt Ion	164	Resp	106768
Ion Ratio	Lower	Upper	
164	100		
162	96.4	79.9	119.9
160	44.0	34.3	51.5



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

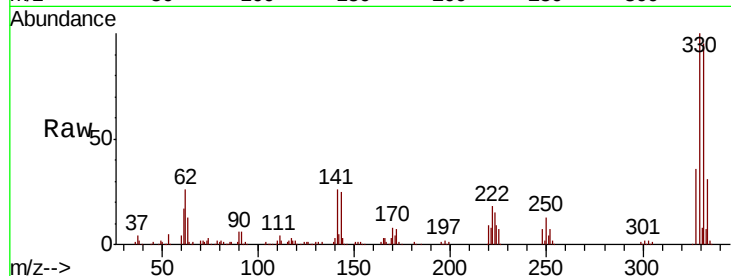




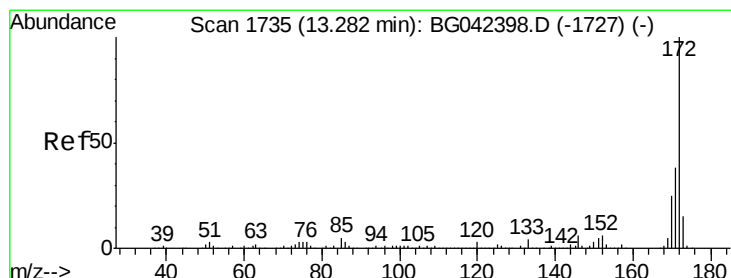
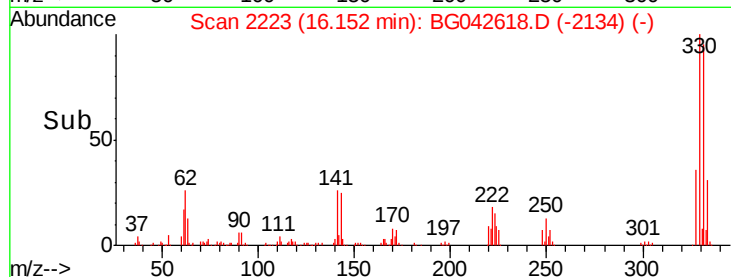
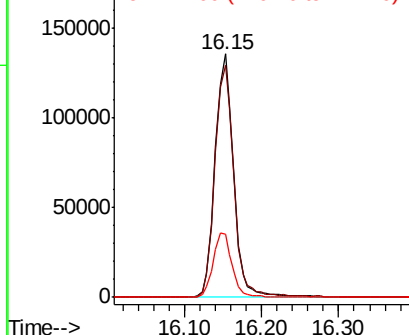
#42
 2,4,6-Tribromophenol
 Concen: 148.704 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042618.D
 Acq: 31 Aug 2019 2:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.0
141	26.9	21.4	32.0

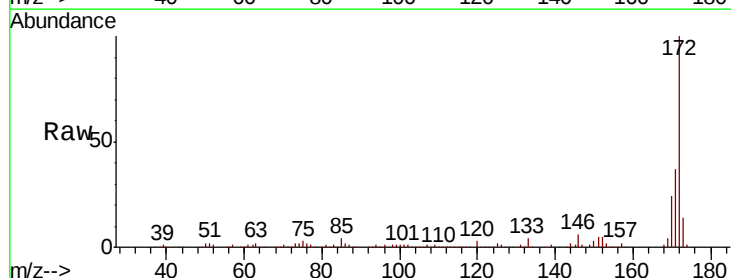


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

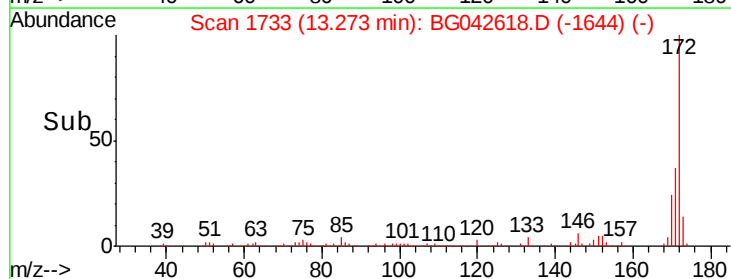
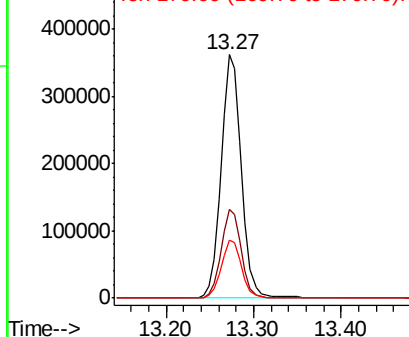


#45
 2-Fluorobiphenyl
 Concen: 91.694 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG042618.D
 Acq: 31 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.5	45.7
170	23.7	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

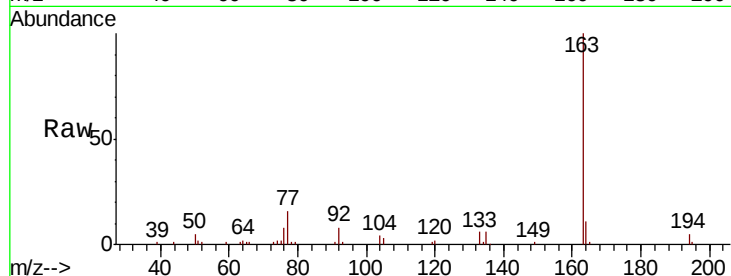




#50
Dimethylphthalate
Concen: 6.969 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.9	4.2	6.2	
164	11.0	8.8	13.2	

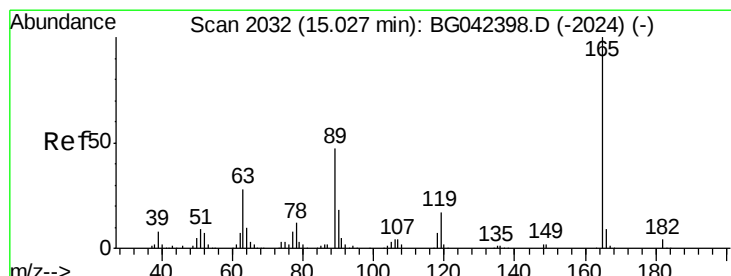
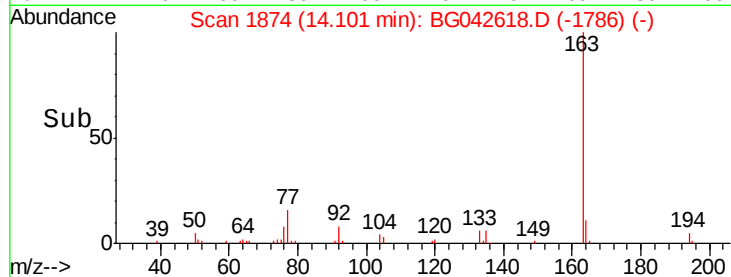
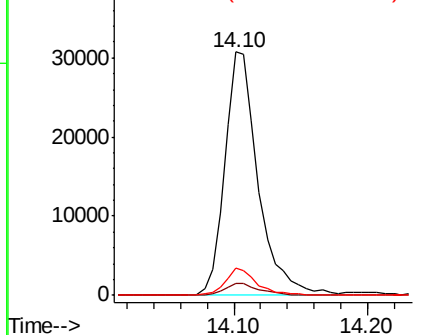


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 5.501 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.37 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion	Ion	Ratio	Lower	Upper
165	100			
63	0.0	22.5	33.7#	
89	0.0	37.8	56.6#	
182	0.0	3.0	4.4#	

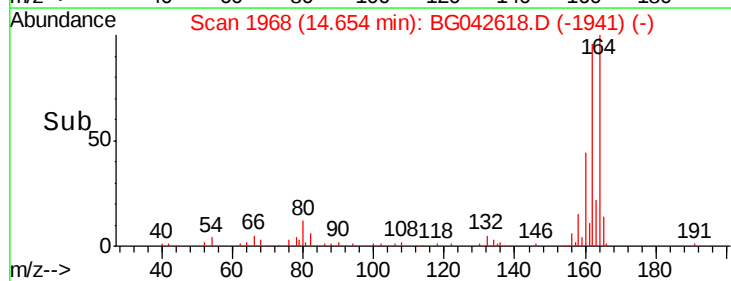
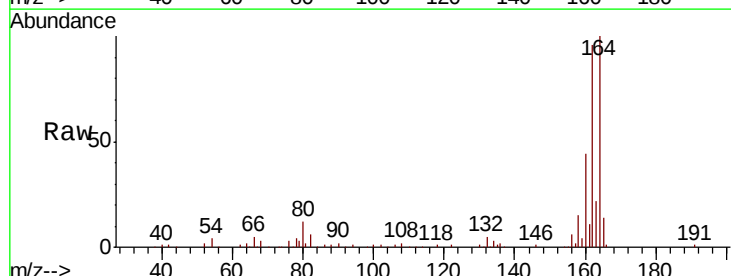
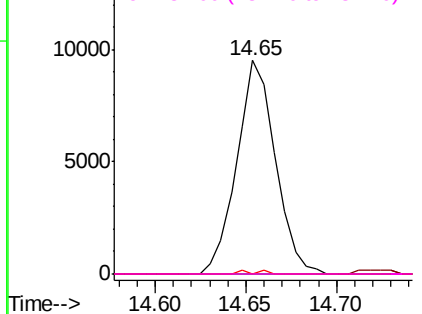
Abundance

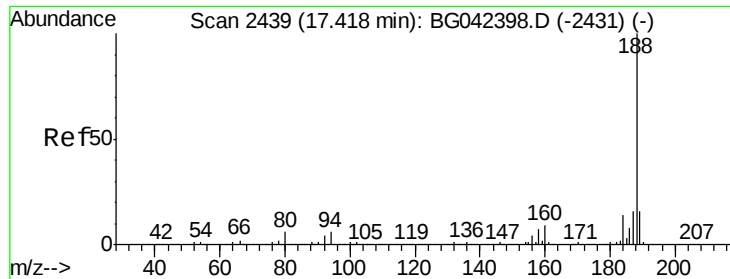
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

Instrument :

BNA_G

ClientSampleId :

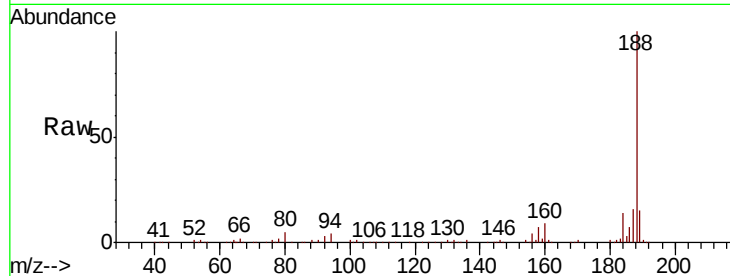
Tot Ion:188 Resp: 247258

Ion Ratio Lower Upper

188 100

94 4.5 4.5 6.7

80 5.4 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

200000

150000

100000

50000

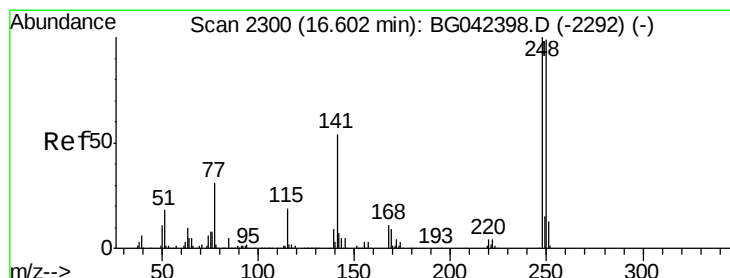
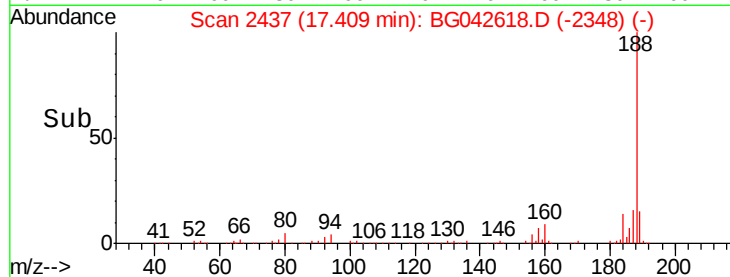
0

17.41

17.40

17.50

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.878 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

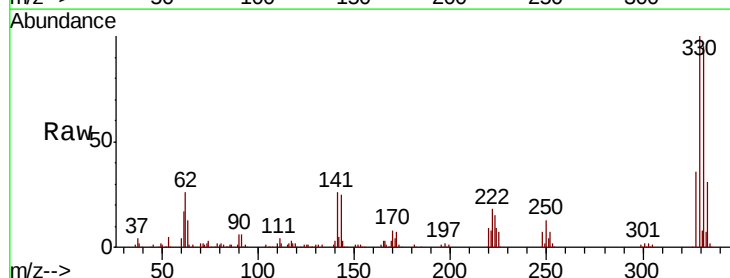
Tgt Ion:248 Resp: 15300

Ion Ratio Lower Upper

248 100

250 196.9 78.9 118.3#

141 377.0 43.3 64.9#



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

50000

40000

30000

20000

10000

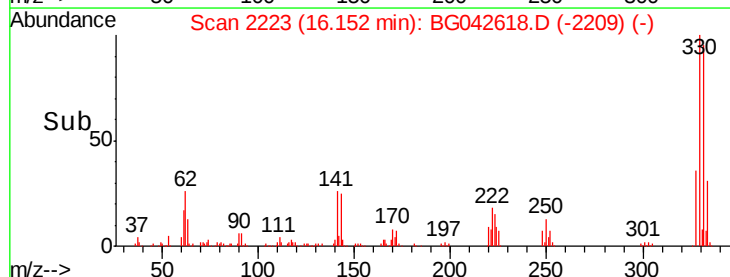
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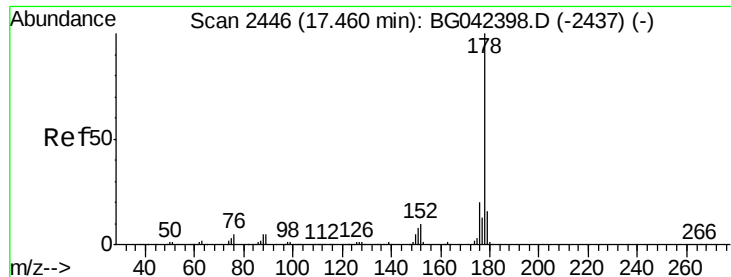
16.15

16.10

16.20

Time-->





#71

Phenanthrene

Concen: 7.621 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

Instrument :

BNA_G

ClientSampleId :

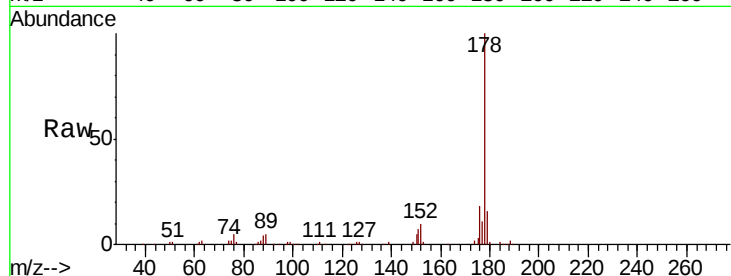
Tot Ion:178 Resp: 93595

Ion Ratio Lower Upper

178 100

176 17.7 15.9 23.9

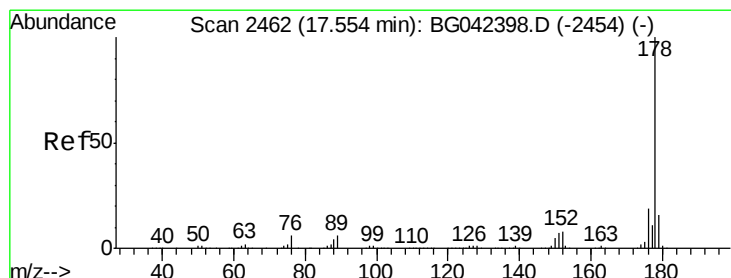
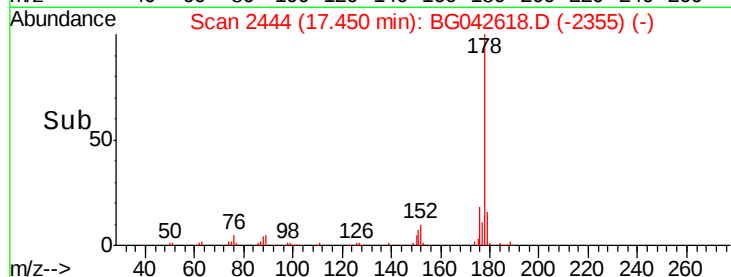
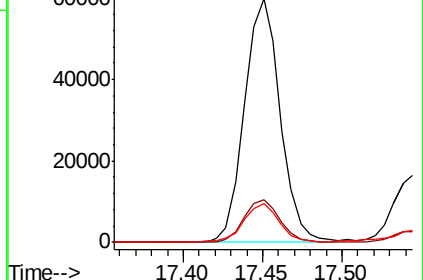
179 16.1 12.7 19.1



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



#72

Anthracene

Concen: 7.634 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.10 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

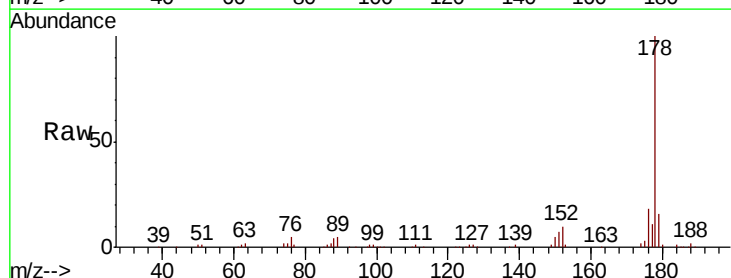
Tgt Ion:178 Resp: 93595

Ion Ratio Lower Upper

178 100

176 17.7 15.5 23.3

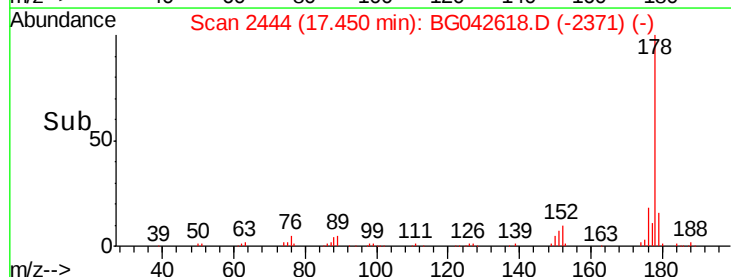
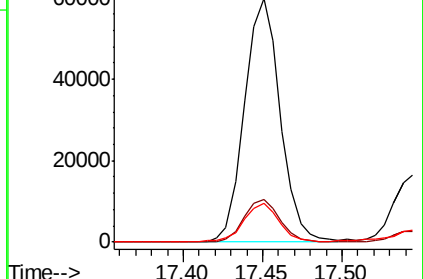
179 16.1 12.9 19.3

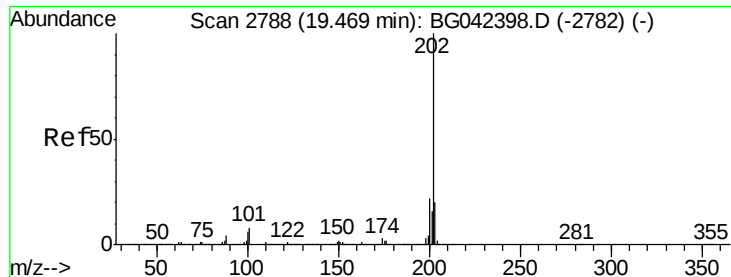


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.035 ng

RT: 19.46 min Scan# 2786

Delta R.T. -0.01 min

Lab File: BG042618.D

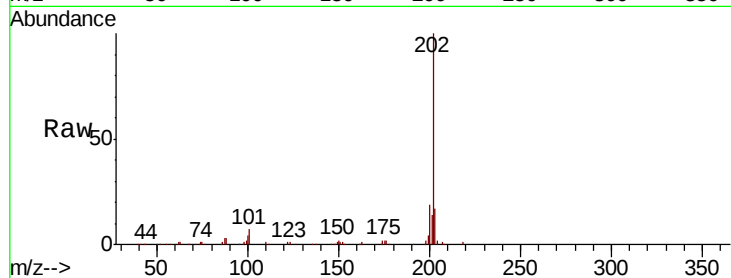
Acq: 31 Aug 2019 2:23

Instrument :

BNA_G

ClientSampleId :

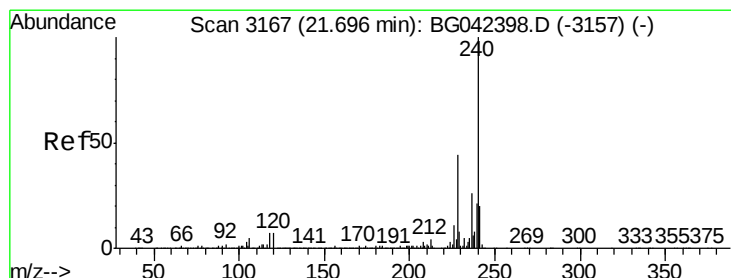
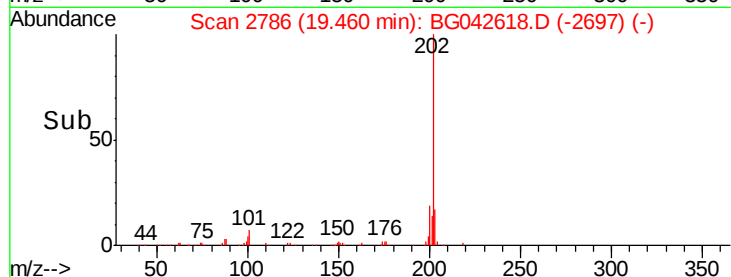
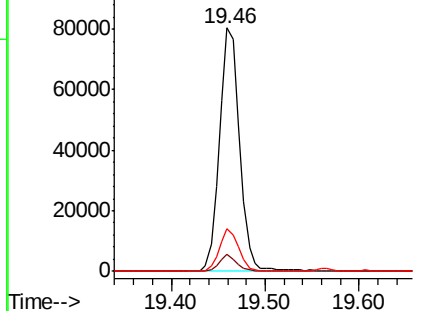
Tot Ion:	202	Resp:	120439
Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	28.3
203	17.3	0.0	39.6



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

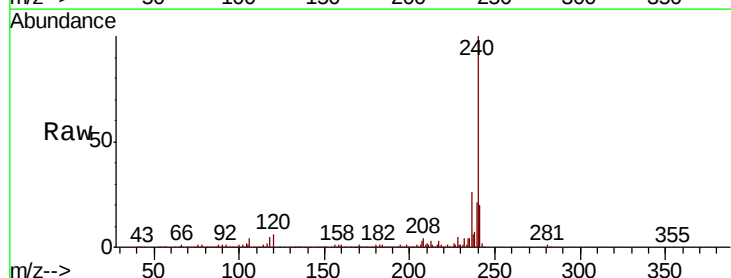
RT: 21.68 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

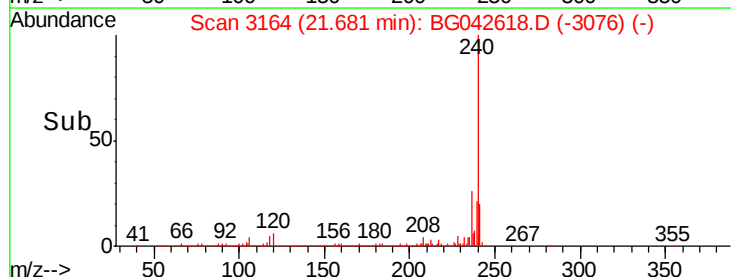
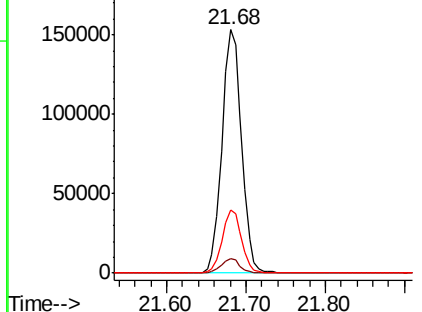
Tgt Ion:	240	Resp:	262260
Ion	Ratio	Lower	Upper
240	100		
120	6.0	5.7	8.5
236	25.9	21.0	31.4

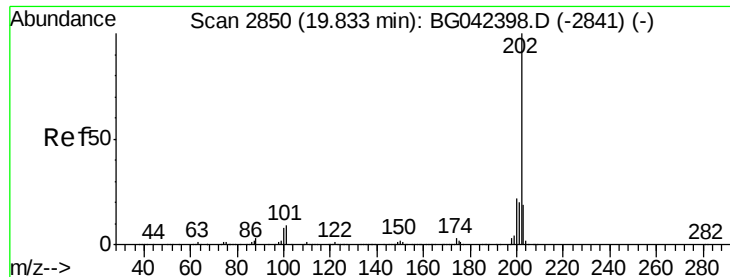


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

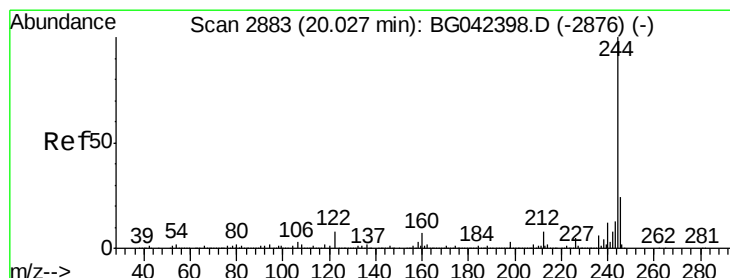
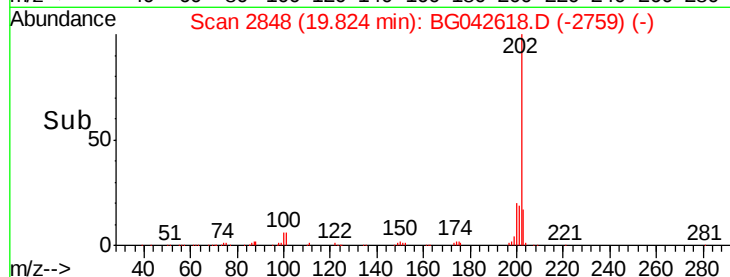
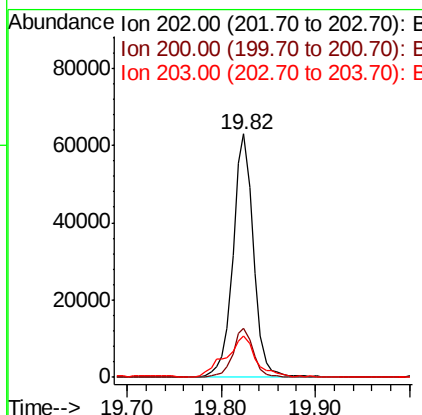
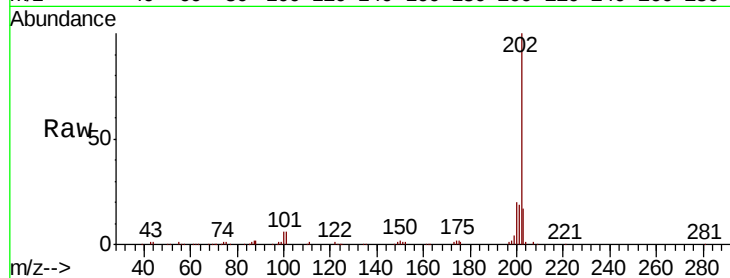




#78
Pvrene
Concen: 5.917 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

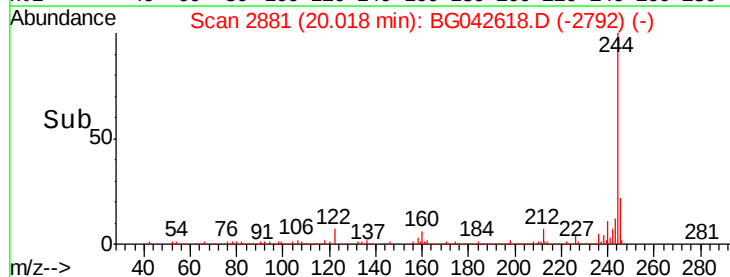
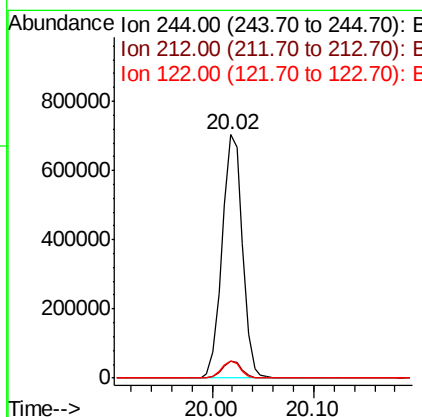
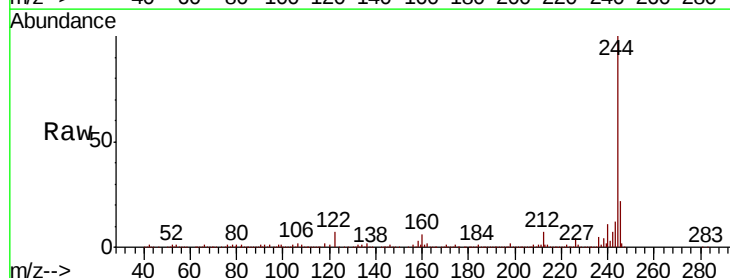
Instrument :
BNA_G
ClientSampleId :

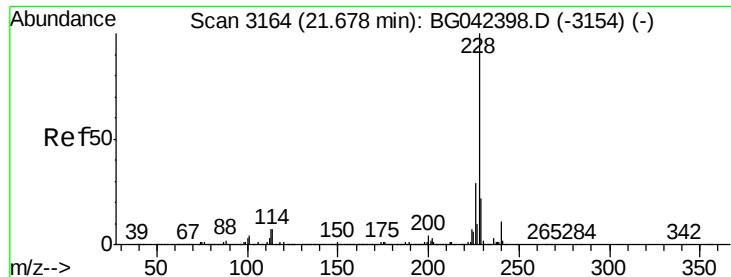
Tot Ion:202 Resp: 95145
Ion Ratio Lower Upper
202 100
200 20.2 17.8 26.6
203 17.0 15.5 23.3



#79
Terphenyl-d14
Concen: 80.745 ng
RT: 20.02 min Scan# 2881
Delta R.T. -0.01 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion:244 Resp: 979505
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 7.0 6.7 10.1





#81

Benzo(a)anthracene

Concen: 3.244 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

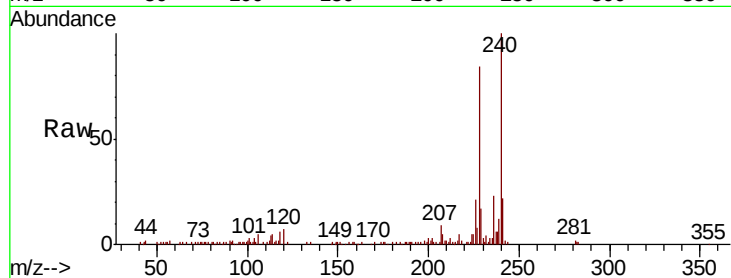
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 51753

Ion	Ratio	Lower	Upper
228	100		
226	25.6	23.4	35.2
229	20.4	17.4	26.2

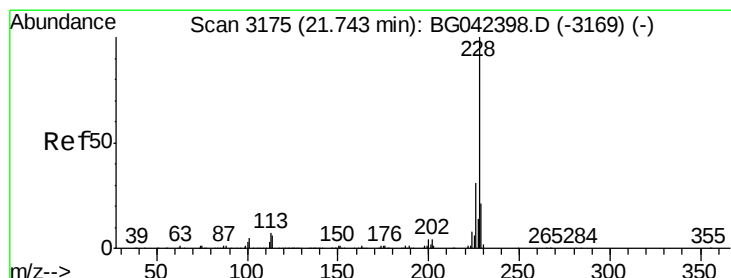
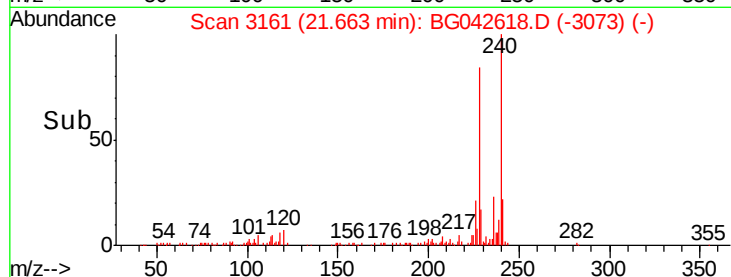
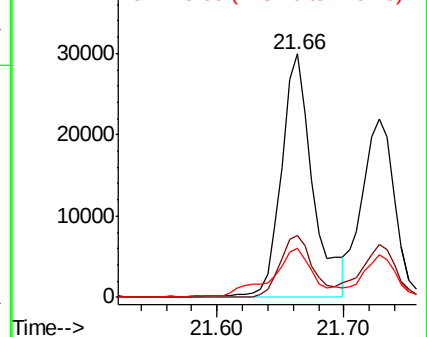


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.577 ng

RT: 21.73 min Scan# 3172

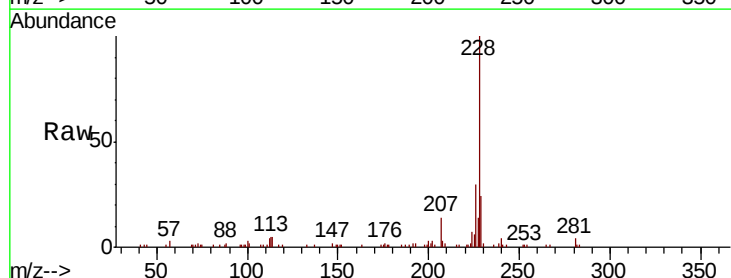
Delta R.T. -0.01 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

Tgt Ion:228 Resp: 39649

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	23.9	16.9	25.3

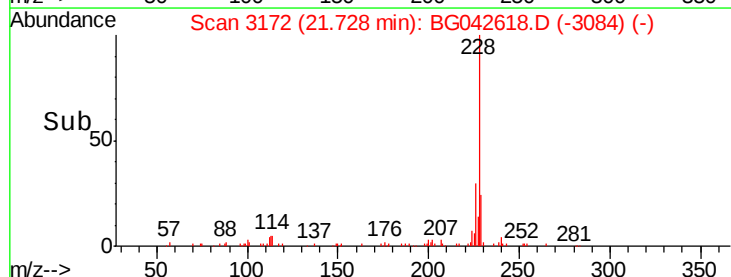
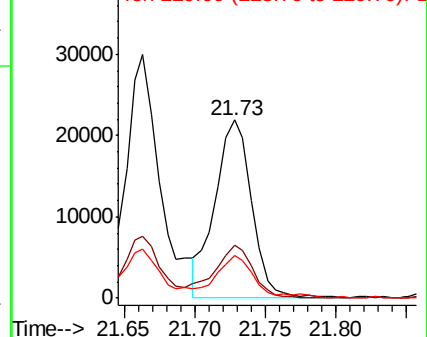


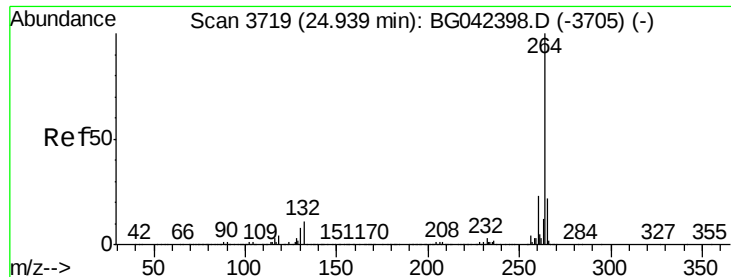
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.01 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

Instrument :

BNA_G

ClientSampleId :

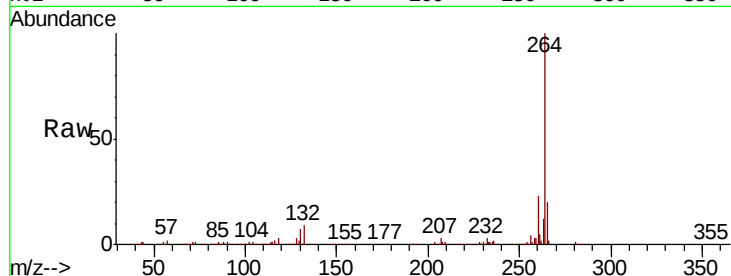
Tot Ion:264 Resp: 305090

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

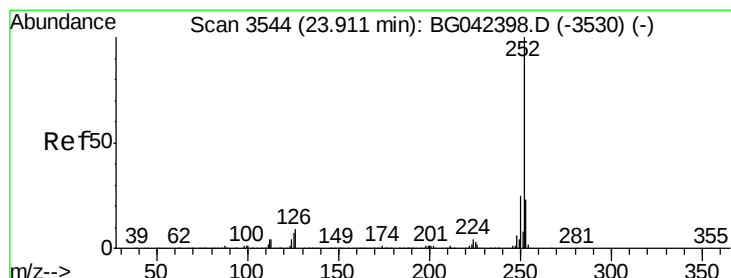
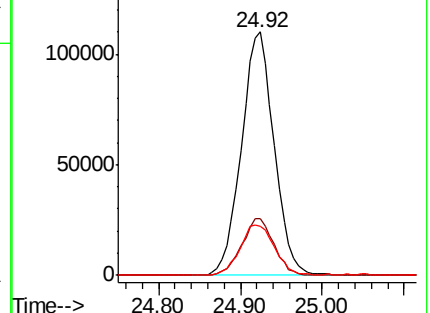
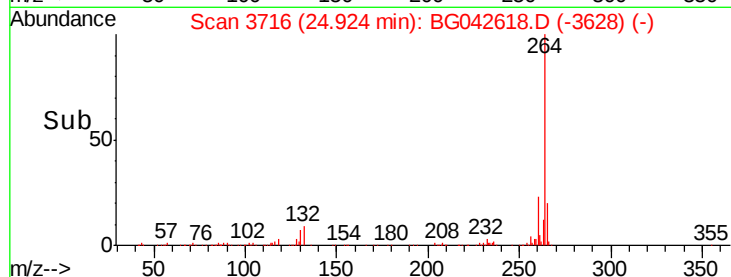
265 20.2 17.6 26.4



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: 3.301 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG042618.D

Acq: 31 Aug 2019 2:23

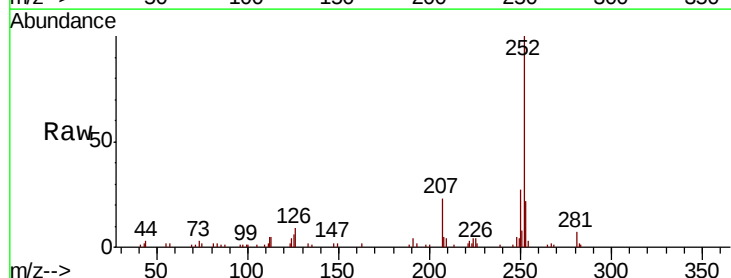
Tgt Ion:252 Resp: 55370

Ion Ratio Lower Upper

252 100

253 21.9 18.6 27.8

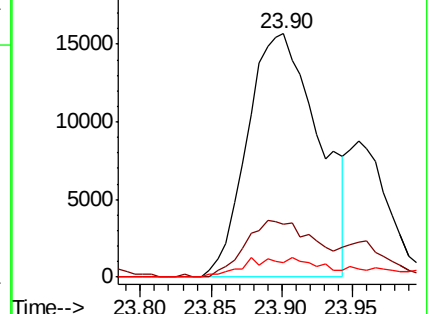
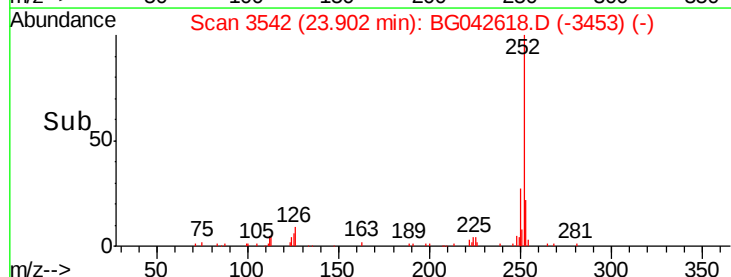
125 5.9 5.6 8.4

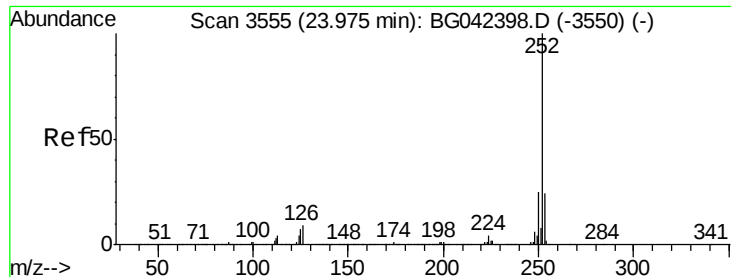


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

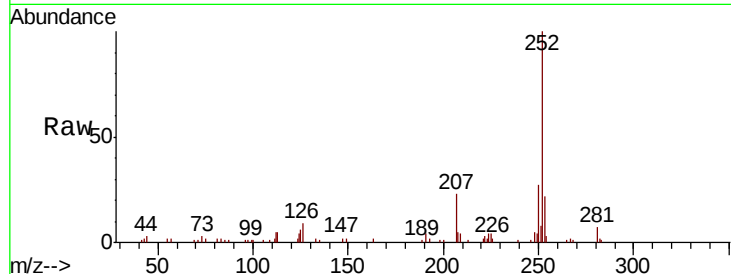




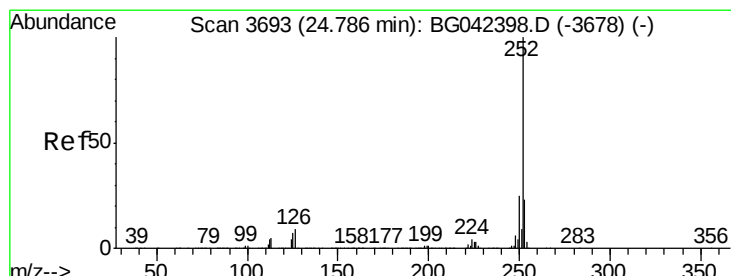
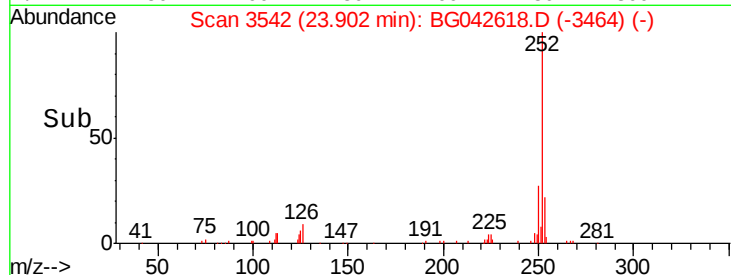
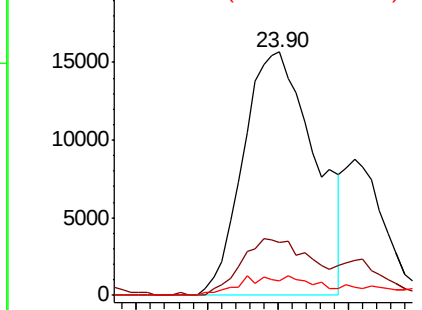
#89
Benzo(k)fluoranthene
Concen: 3.434 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.07 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.6	27.8
125	5.9	5.8	8.6

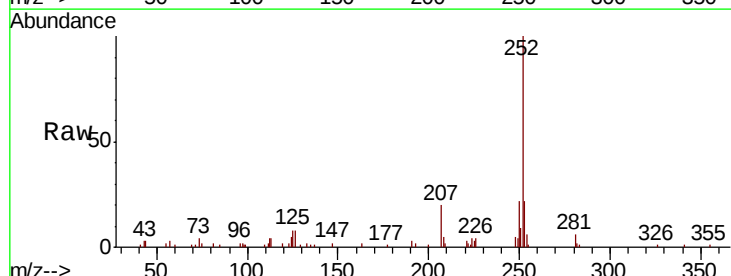


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.698 ng
RT: 24.77 min Scan# 3689
Delta R.T. -0.02 min
Lab File: BG042618.D
Acq: 31 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	8.1	6.0	9.0



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

