

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031620\
 Data File : BG044820.D
 Acq On : 16 Mar 2020 19:37
 Operator : CG/JU
 Sample : L1912-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 Z1-1

Quant Time: Mar 17 02:59:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	102904	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	408347	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	276380	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	623167	20.00	ng	0.00
76) Chrysene-d12	21.70	240	523538	20.00	ng	0.00
87) Perylene-d12	24.91	264	596548	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	660915	99.98	ng	0.00
7) Phenol-d6	7.20	99	937419	97.60	ng	0.00
23) Nitrobenzene-d5	9.21	82	617137	66.32	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	396096	109.46	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1256283	65.09	ng	0.00
79) Terphenyl-d14	20.04	244	1834453	65.54	ng	0.00

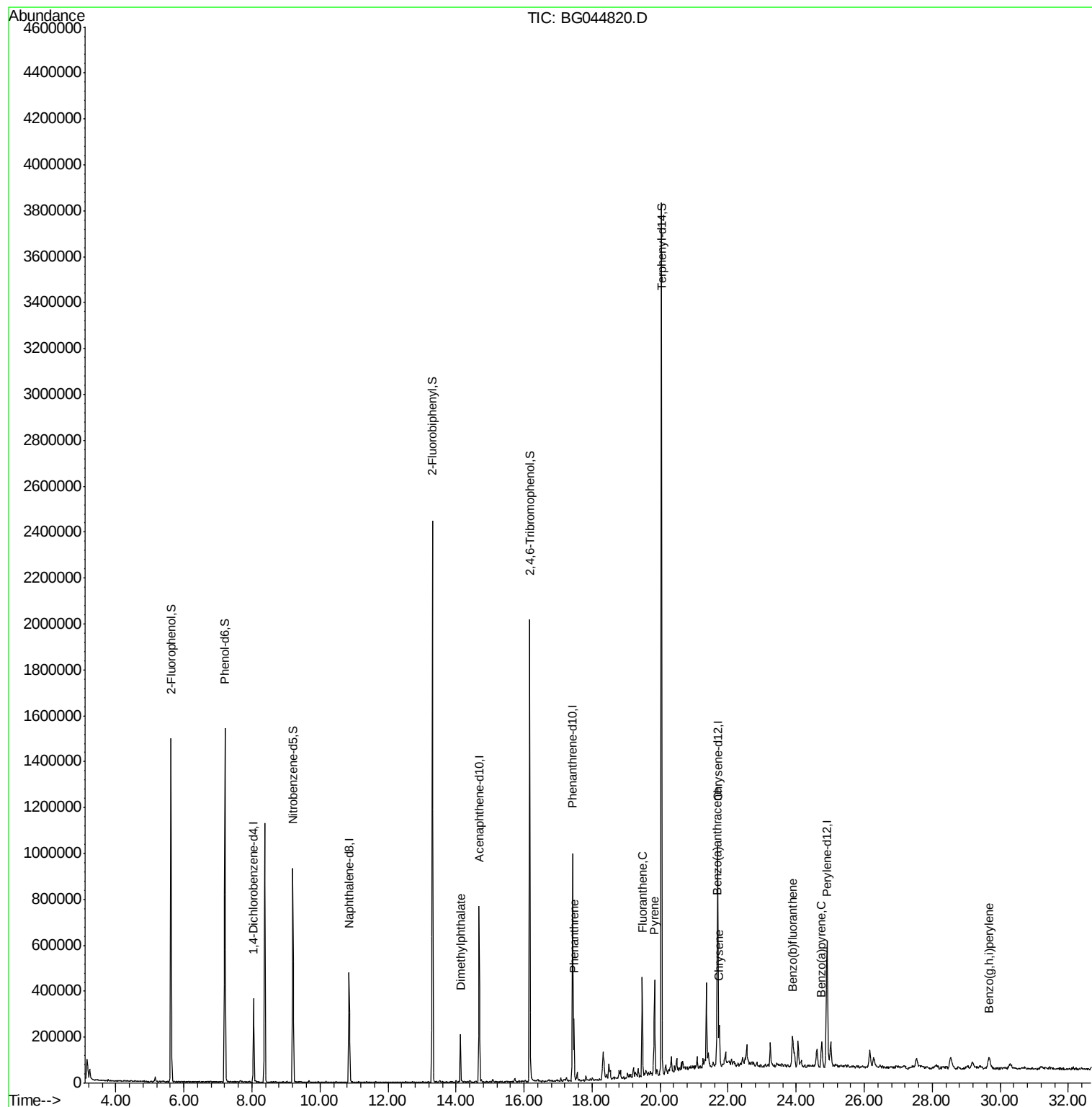
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	14.13	163	139265	6.327	ng	98
71) Phenanthrene	17.47	178	169084	5.077	ng	98
75) Fluoranthene	19.48	202	274458	6.922	ng	97
78) Pyrene	19.83	202	271384	7.065	ng	98
81) Benzo(a)anthracene	21.67	228	139707	3.706	ng	97
83) Chrysene	21.74	228	132956	3.692	ng	96
88) Benzo(b)fluoranthene	23.89	252	165680	4.207	ng	97
90) Benzo(a)pyrene	24.75	252	121558	3.299	ng	94
92) Benzo(g,h,i)perylene	29.68	276	81202	2.211	ng	95

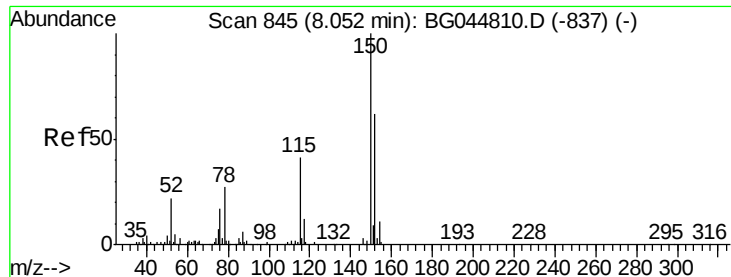
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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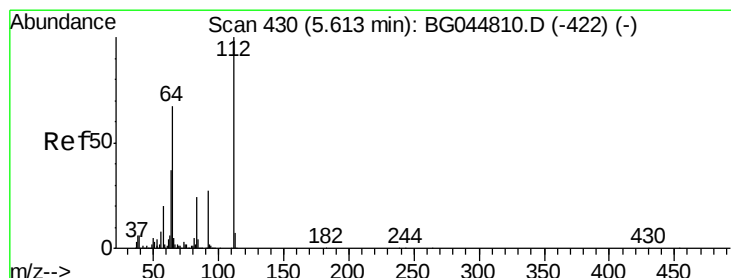
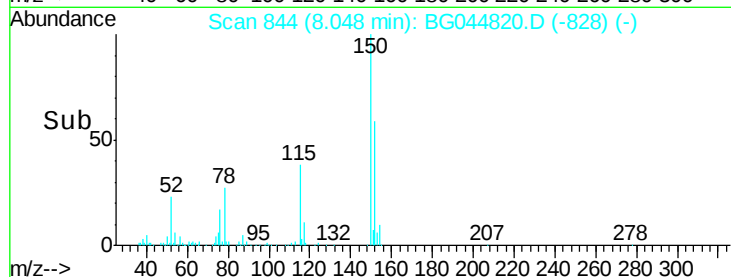
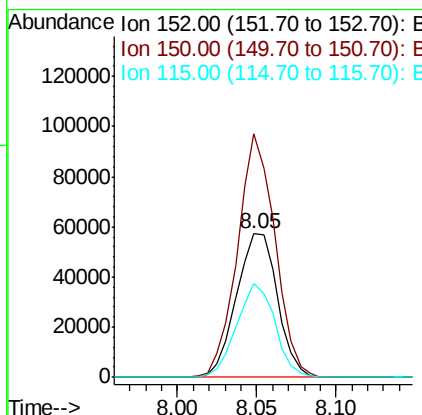
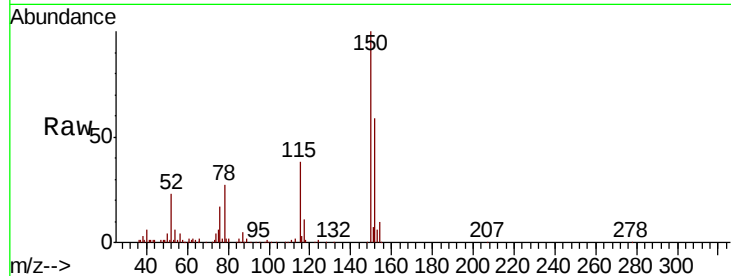


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG044820.D
Acq: 16 Mar 2020 19:37

Instrument :
BNA_G
ClientSampleId :
Z1-1

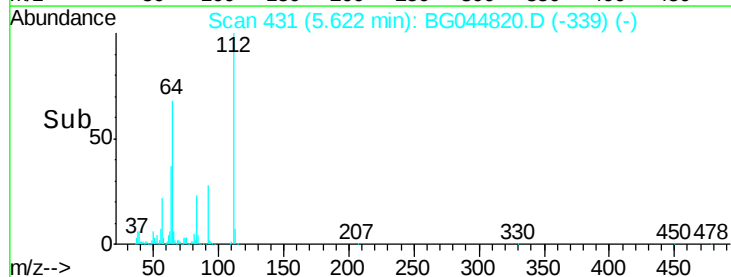
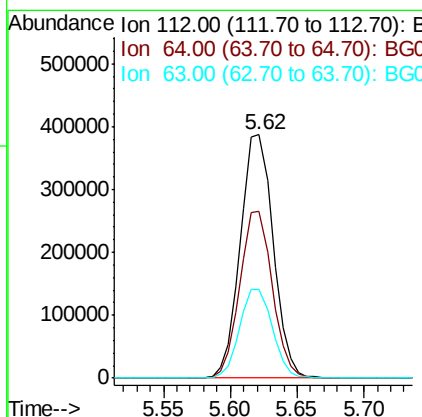
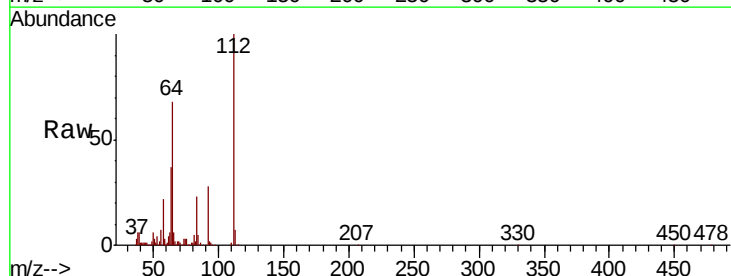
Tot Ion	Ratio	Lower	Upper
152	100		
150	169.8	128.8	193.2
115	65.4	52.6	79.0

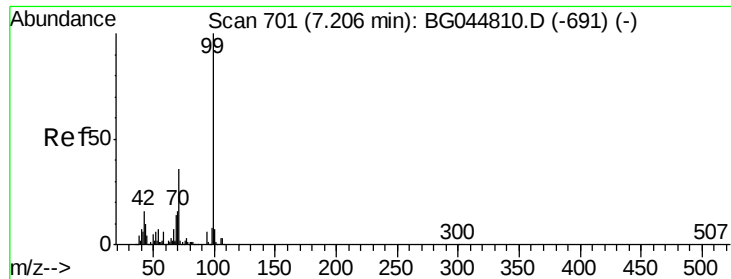


#5

2-Fluorophenol
Concen: 99.981 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044820.D
Acq: 16 Mar 2020 19:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	53.4	80.2
63	36.5	29.4	44.2





#7

Phenol-d6

Concen: 97.602 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044820.D

Acq: 16 Mar 2020 19:37

Instrument :

BNA_G

ClientSampleId :

Z1-1

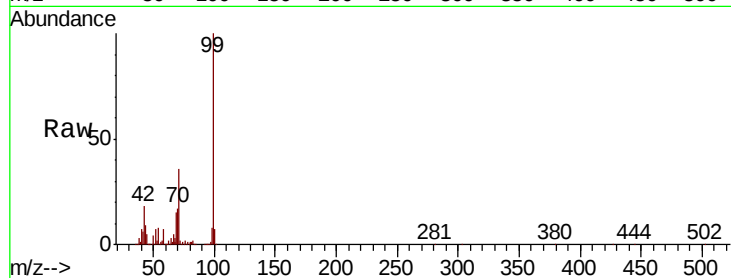
Tot Ion: 99 Resp: 937419

Ion Ratio Lower Upper

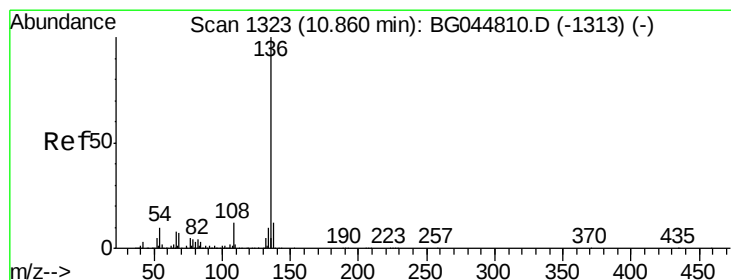
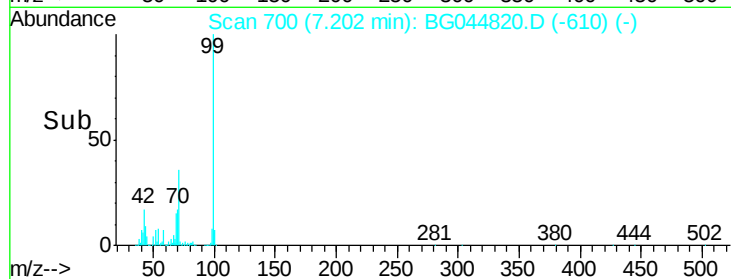
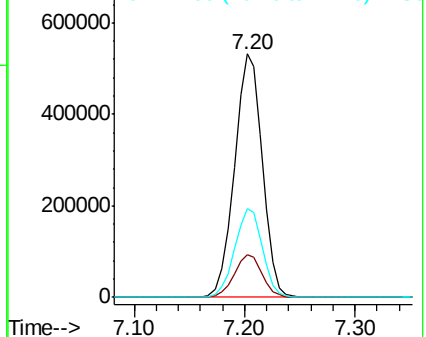
99 100

42 17.5 12.6 19.0

71 36.4 29.0 43.4



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: 10.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG044820.D

Acq: 16 Mar 2020 19:37

Tgt Ion: 136 Resp: 408347

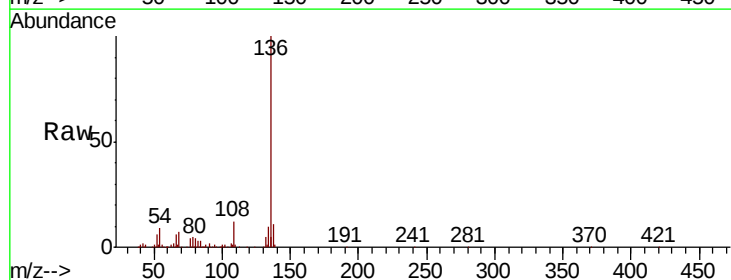
Ion Ratio Lower Upper

136 100

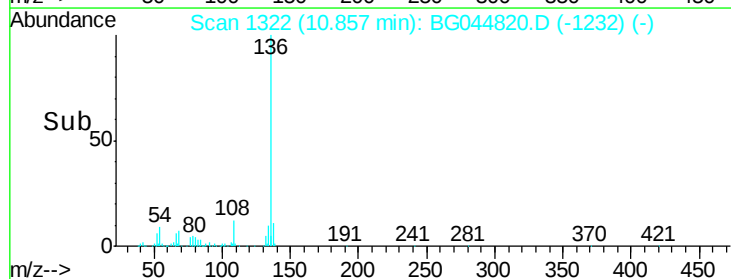
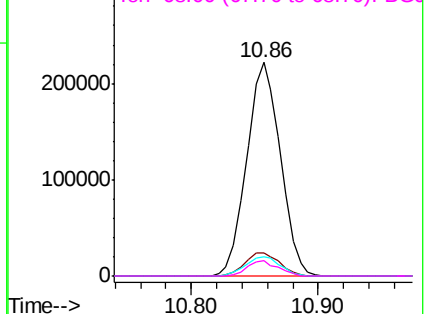
137 11.0 9.8 14.6

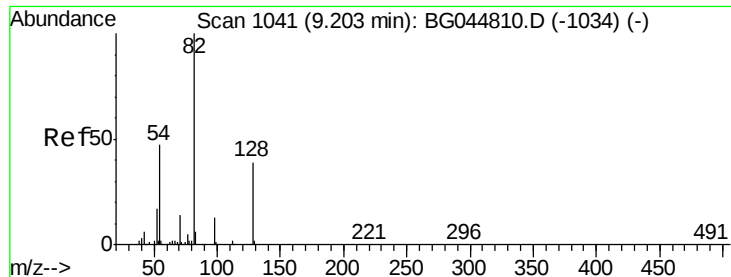
54 9.2 7.9 11.9

68 7.0 5.4 8.0



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: 66.318 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BG044820.D

Acq: 16 Mar 2020 19:37

Instrument :

BNA_G

ClientSampleId :

Z1-1

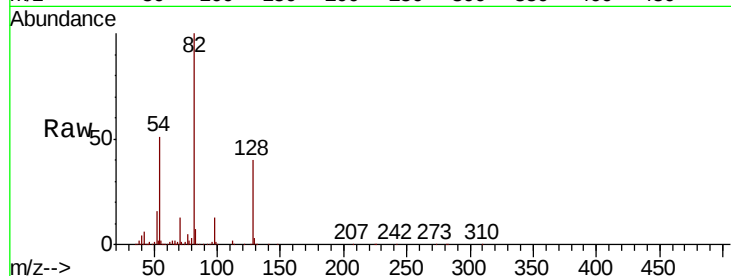
Tot Ion: 82 Resp: 617137

Ion Ratio Lower Upper

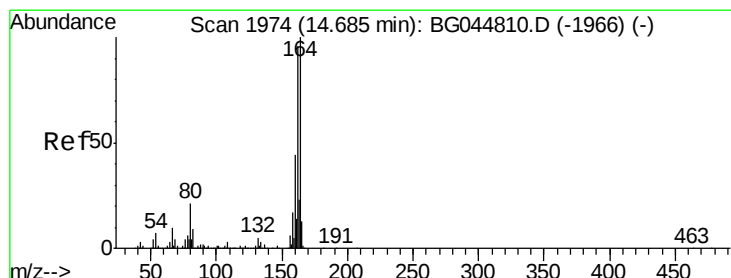
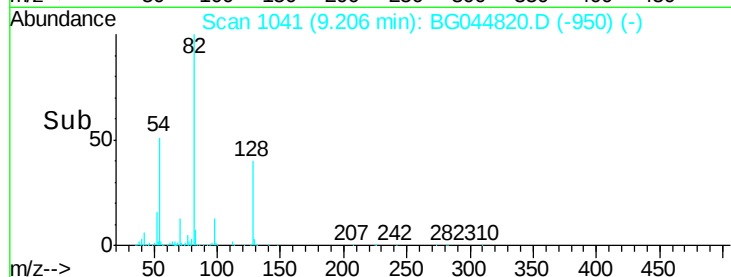
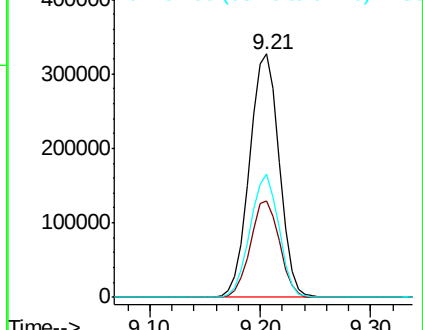
82 100

128 39.7 30.6 46.0

54 50.5 37.1 55.7



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: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG044820.D

Acq: 16 Mar 2020 19:37

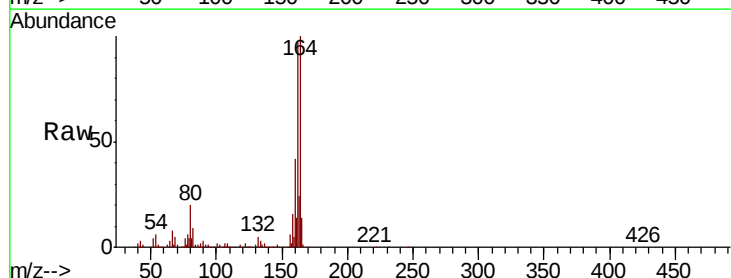
Tgt Ion: 164 Resp: 276380

Ion Ratio Lower Upper

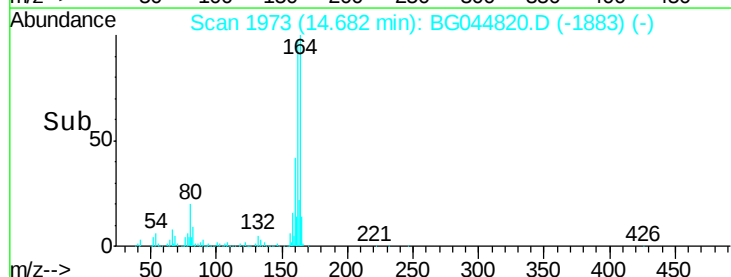
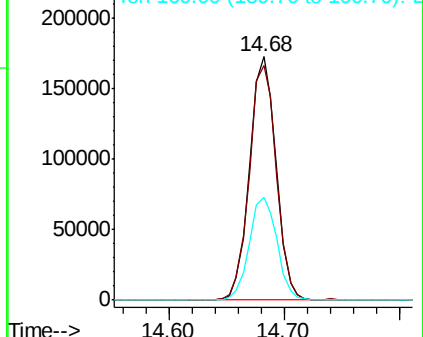
164 100

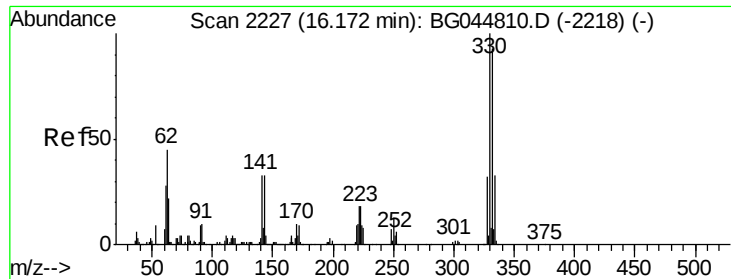
162 96.6 76.7 115.1

160 42.3 35.0 52.4



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

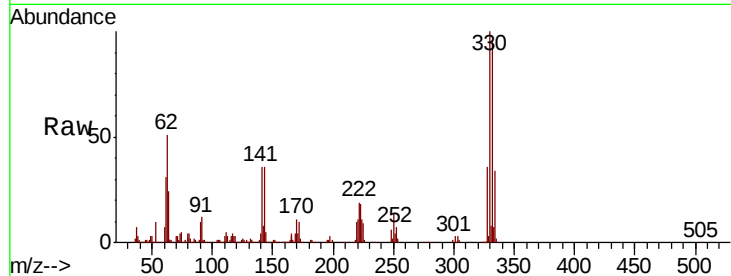




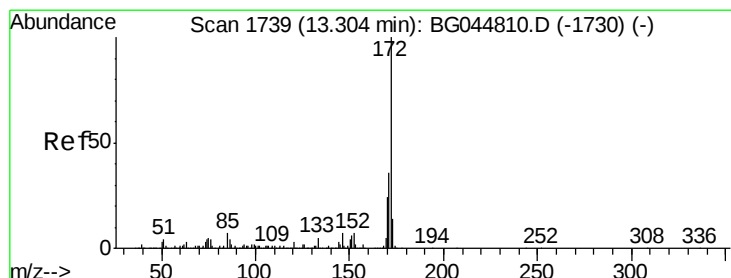
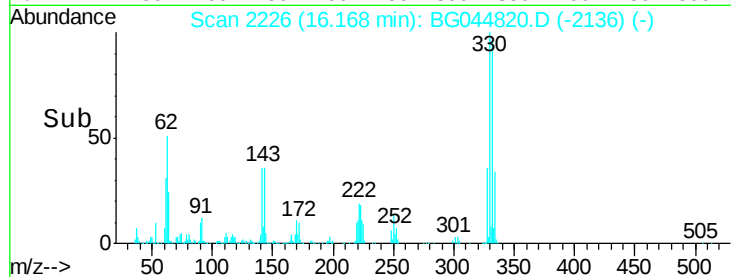
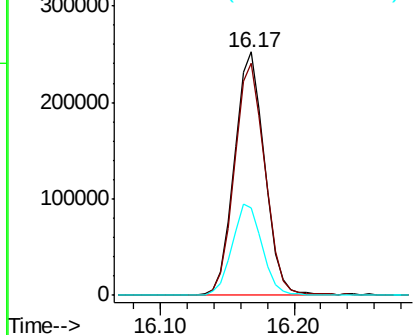
#42
 2,4,6-Tribromophenol
 Concen: 109.456 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.00 min
 Lab File: BG044820.D
 Acq: 16 Mar 2020 19:37

Instrument :
 BNA_G
 ClientSampleId :
 Z1-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.8	116.6
141	37.6	29.5	44.3

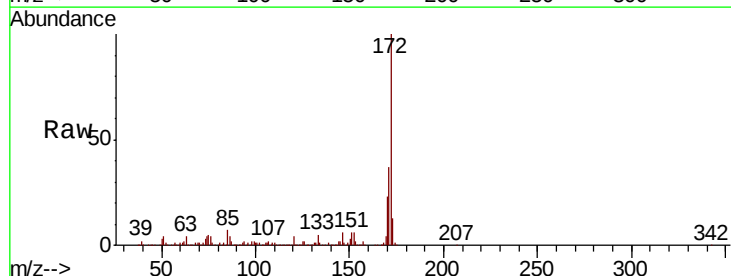


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

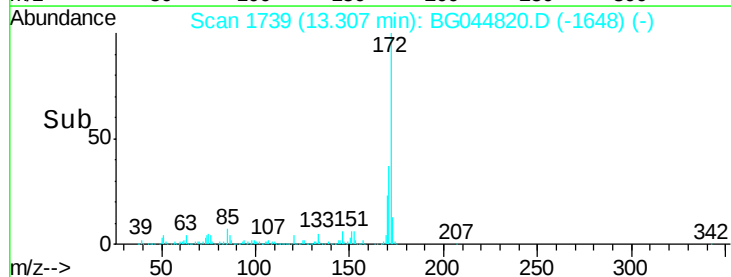
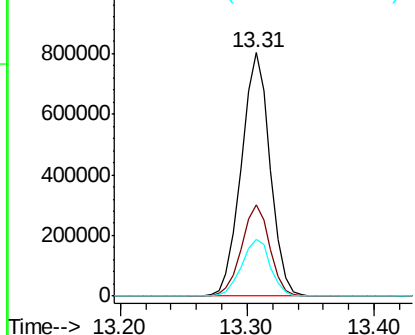


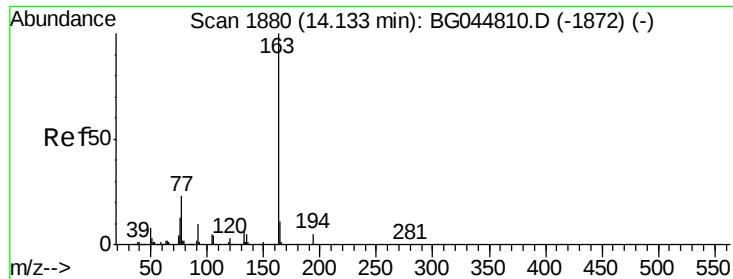
#45
 2-Fluorobiphenyl
 Concen: 65.093 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: BG044820.D
 Acq: 16 Mar 2020 19:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.7	43.1
170	23.4	19.0	28.6



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

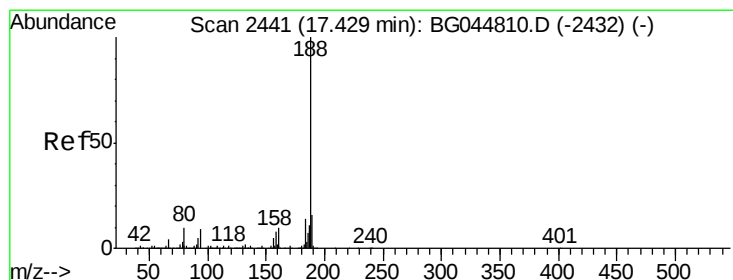
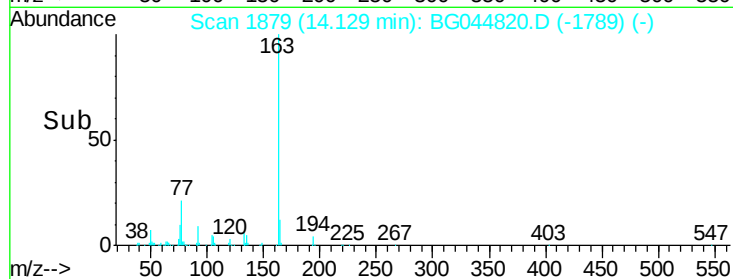
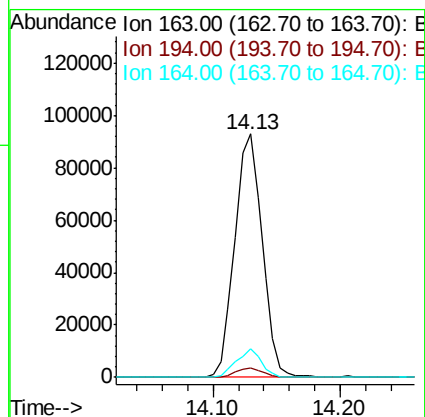
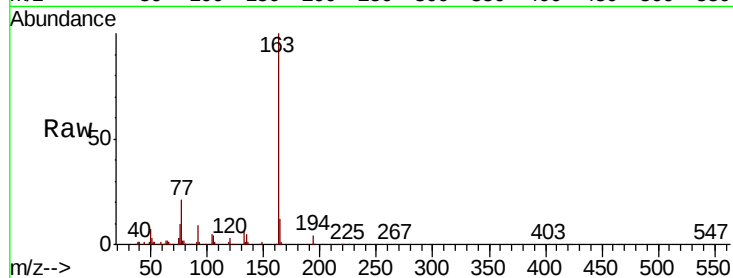




#50
Dimethylphthalate
Concen: 6.327 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG044820.D
Acq: 16 Mar 2020 19:37

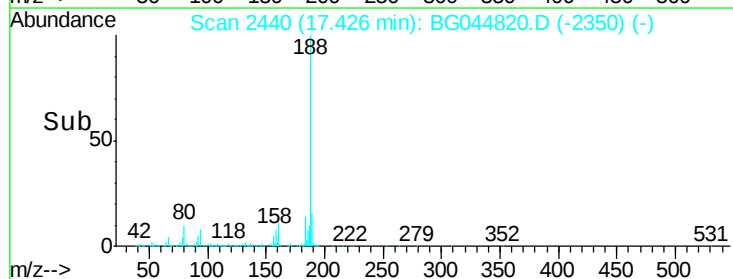
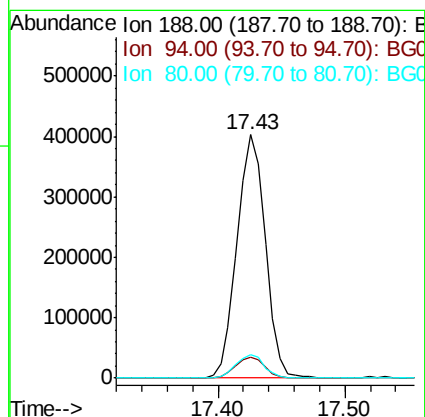
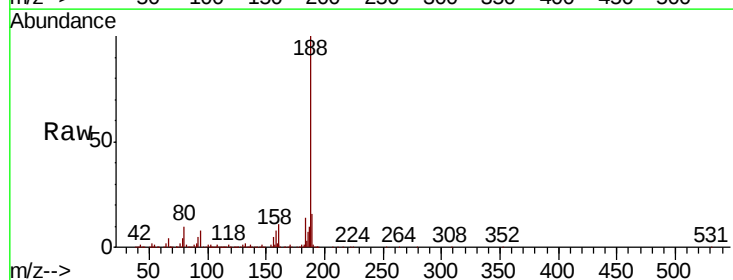
Instrument :
BNA_G
ClientSampleId :
Z1-1

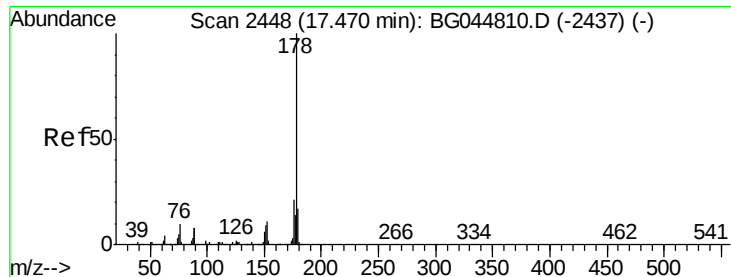
Tot Ion:163 Resp: 139265
Ion Ratio Lower Upper
163 100
194 3.8 3.7 5.5
164 11.9 9.1 13.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2440
Delta R.T. -0.00 min
Lab File: BG044820.D
Acq: 16 Mar 2020 19:37

Tgt Ion:188 Resp: 623167
Ion Ratio Lower Upper
188 100
94 8.5 7.3 10.9
80 9.8 8.0 12.0





#71

Phenanthrene

Concen: 5.077 ng

RT: 17.47 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BG044820.D

Acq: 16 Mar 2020 19:37

Instrument :

BNA_G

ClientSampleId :

Z1-1

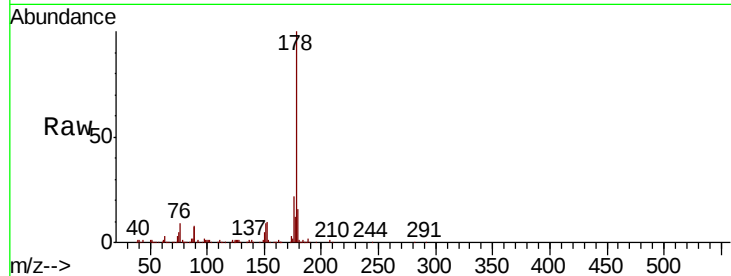
Tot Ion:178 Resp: 169084

Ion Ratio Lower Upper

178 100

176 21.5 16.6 24.8

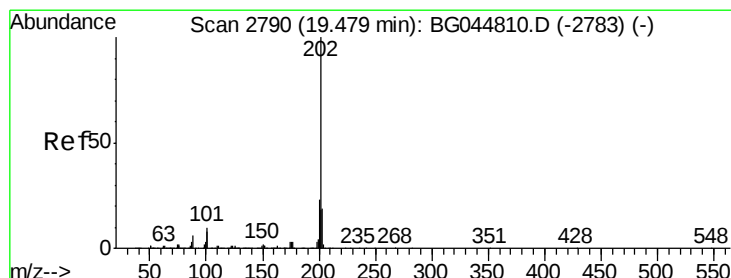
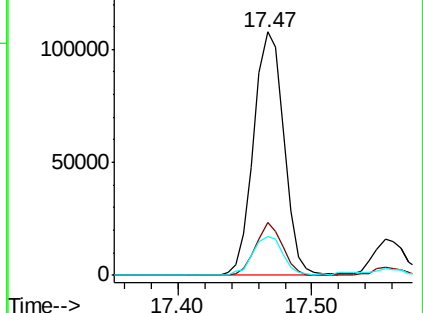
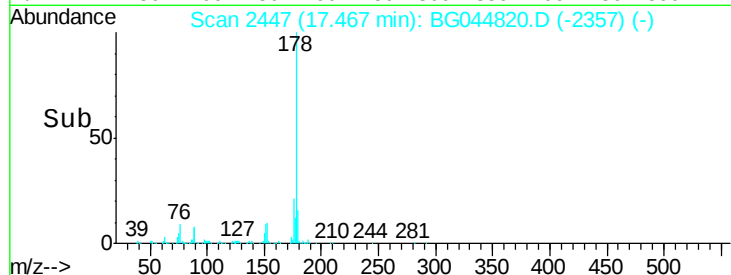
179 15.9 13.5 20.3



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: 6.922 ng

RT: 19.48 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BG044820.D

Acq: 16 Mar 2020 19:37

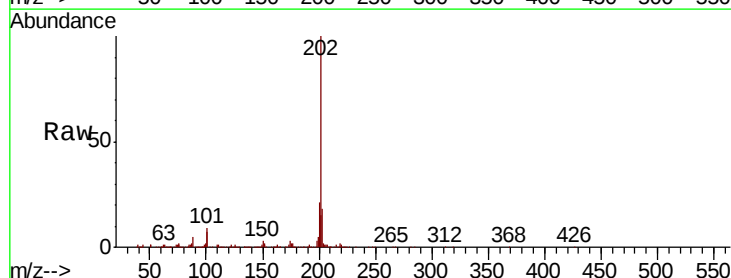
Tgt Ion:202 Resp: 274458

Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.8

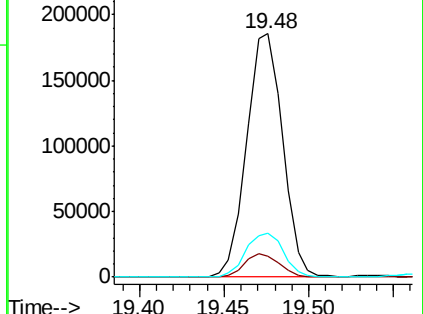
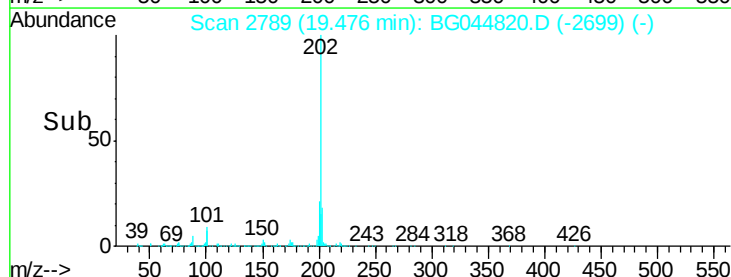
203 17.9 0.0 39.4

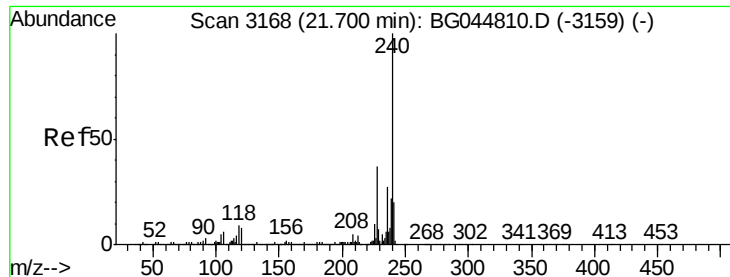


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG044820.D

Acq: 16 Mar 2020 19:37

Instrument :

BNA_G

ClientSampleId :

Z1-1

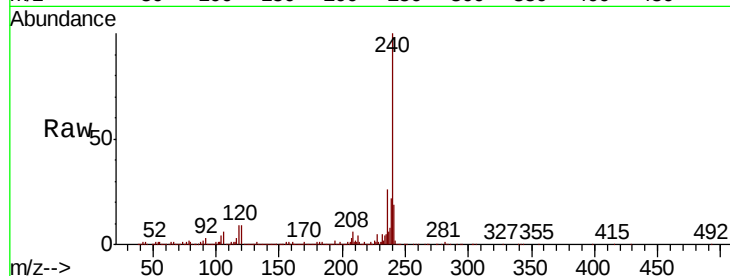
Tot Ion:240 Resp: 523538

Ion Ratio Lower Upper

240 100

120 9.3 6.7 10.1

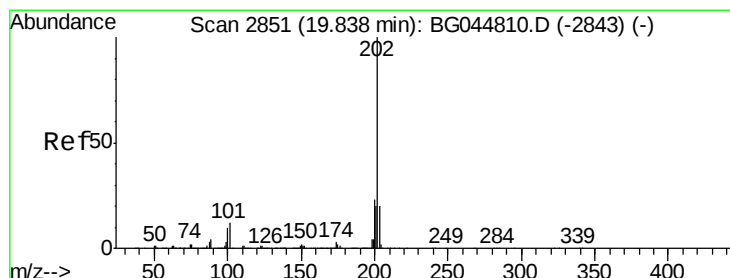
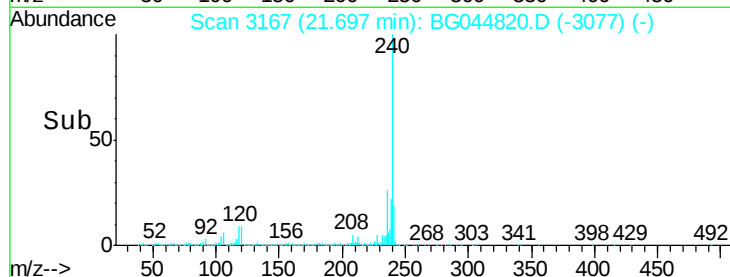
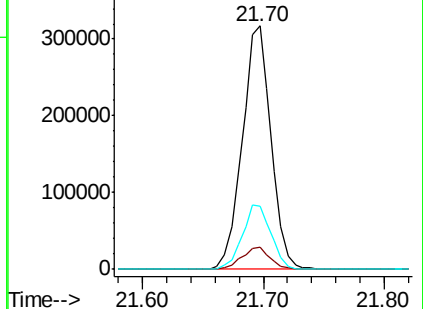
236 25.9 21.5 32.3



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

Pyrene

Concen: 7.065 ng

RT: 19.83 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG044820.D

Acq: 16 Mar 2020 19:37

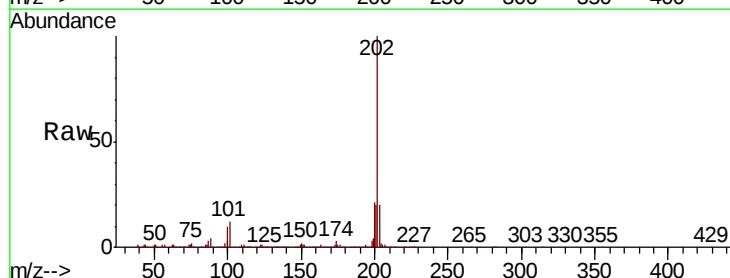
Tgt Ion:202 Resp: 271384

Ion Ratio Lower Upper

202 100

200 20.9 18.3 27.5

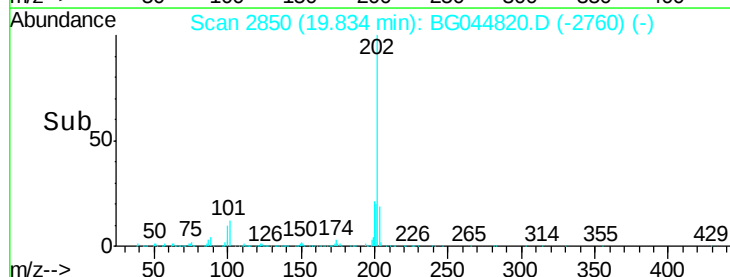
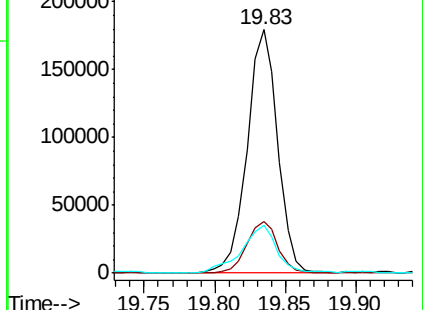
203 19.5 15.6 23.4

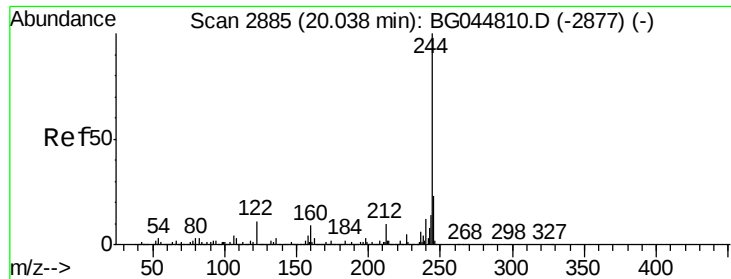


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 65.543 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG044820.D

Acq: 16 Mar 2020 19:37

Instrument :

BNA_G

ClientSampleId :

Z1-1

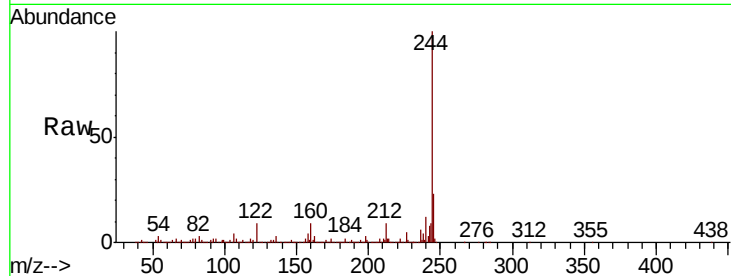
Tot Ion:244 Resp: 1834453

Ion Ratio Lower Upper

244 100

212 9.2 7.7 11.5

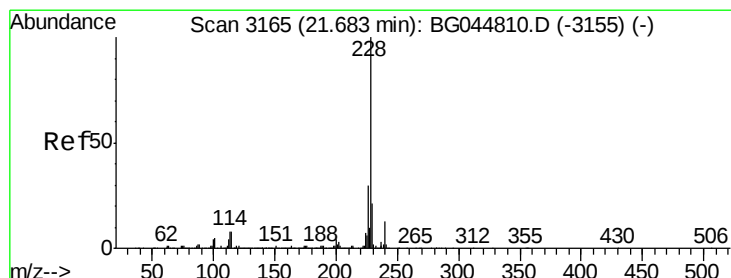
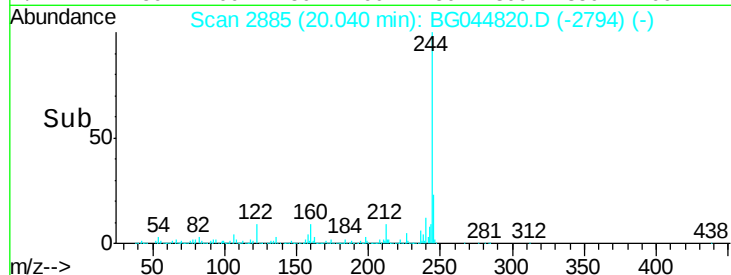
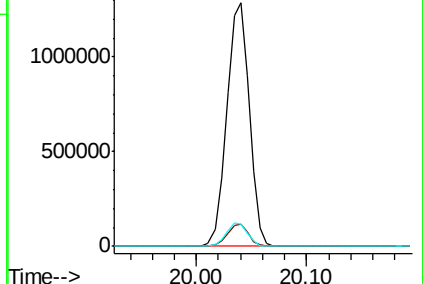
122 9.1 8.6 12.8



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



#81

Benzo(a)anthracene

Concen: 3.706 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG044820.D

Acq: 16 Mar 2020 19:37

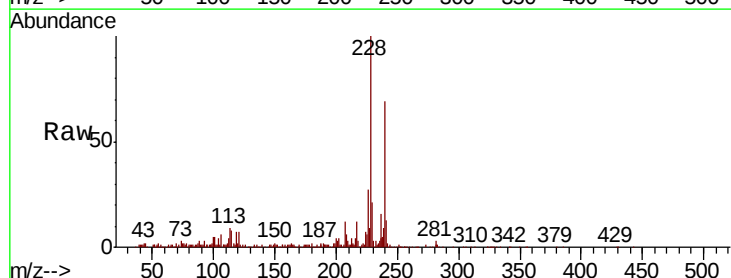
Tgt Ion:228 Resp: 139707

Ion Ratio Lower Upper

228 100

226 27.0 23.6 35.4

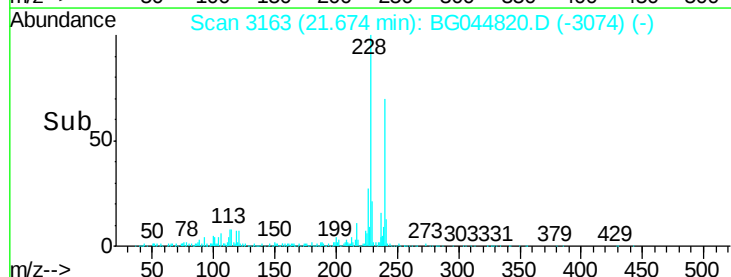
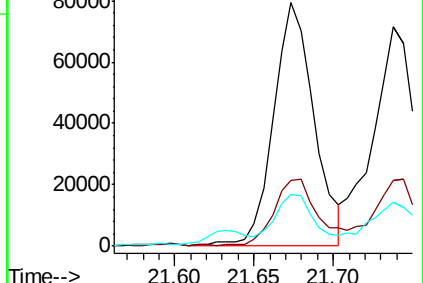
229 21.4 17.1 25.7

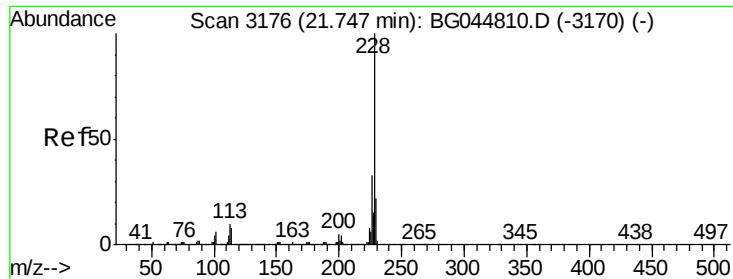


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.692 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.01 min

Lab File: BG044820.D

Acq: 16 Mar 2020 19:37

Instrument :

BNA_G

ClientSampleId :

Z1-1

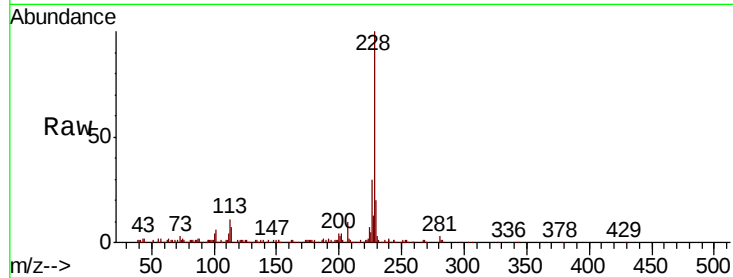
Tot Ion:228 Resp: 132956

Ion Ratio Lower Upper

228 100

226 30.1 25.9 38.9

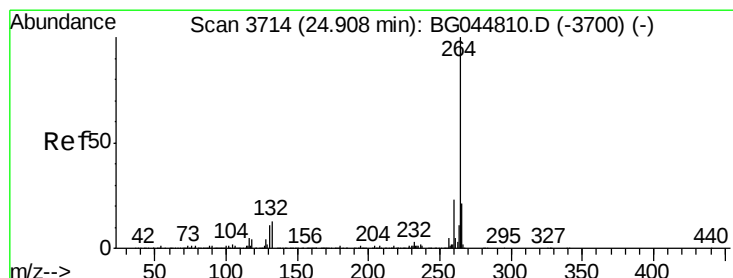
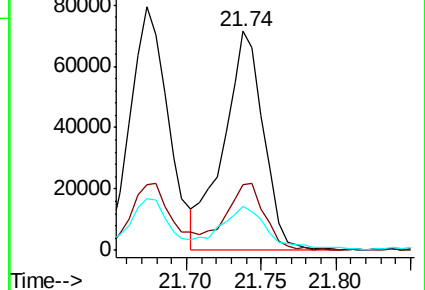
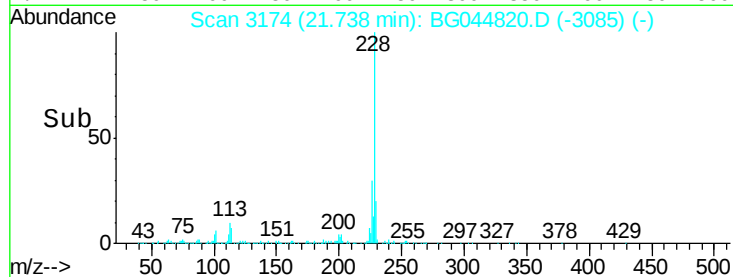
229 20.3 17.4 26.0



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

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3713

Delta R.T. -0.00 min

Lab File: BG044820.D

Acq: 16 Mar 2020 19:37

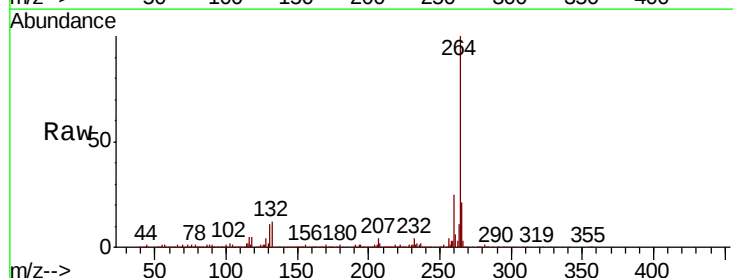
Tgt Ion:264 Resp: 596548

Ion Ratio Lower Upper

264 100

260 24.6 18.1 27.1

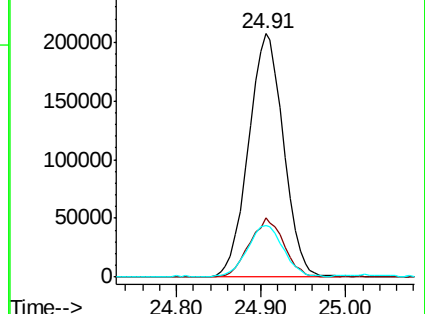
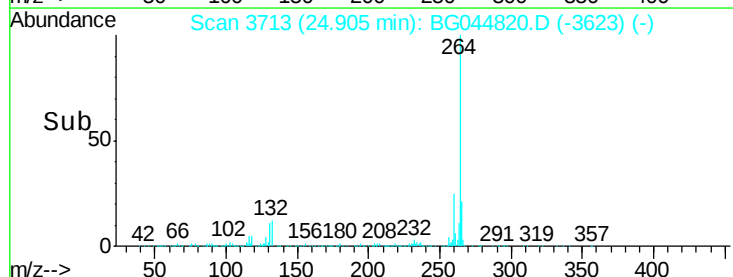
265 21.5 17.1 25.7

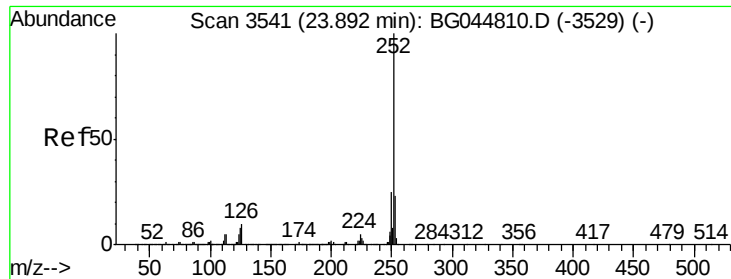


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

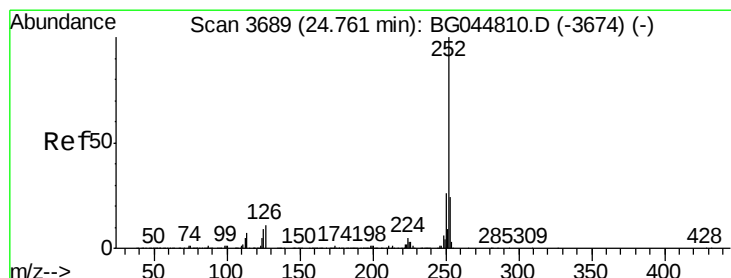
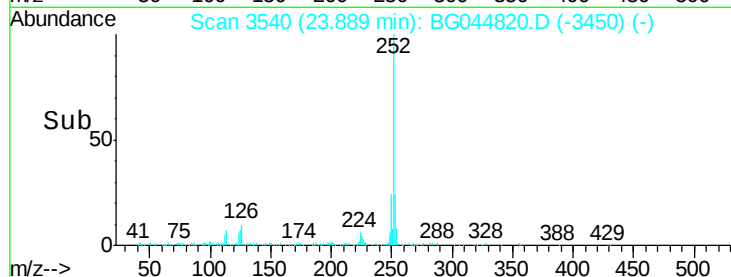
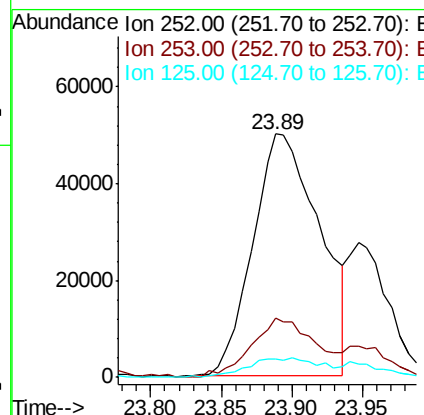
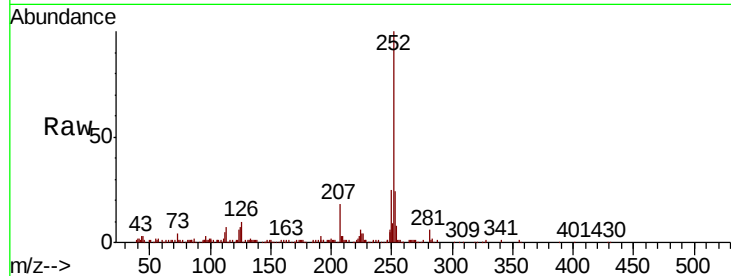




#88
Benzo(b)fluoranthene
Concen: 4.207 ng
RT: 23.89 min Scan# 3540
Delta R.T. -0.00 min
Lab File: BG044820.D
Acq: 16 Mar 2020 19:37

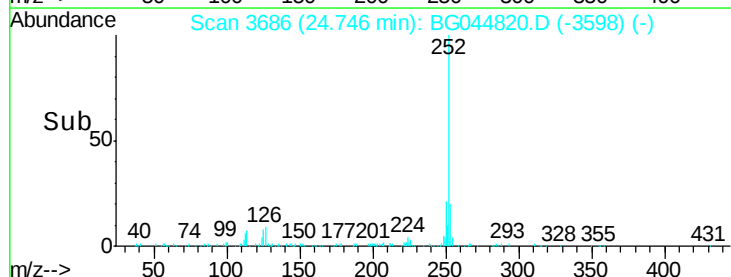
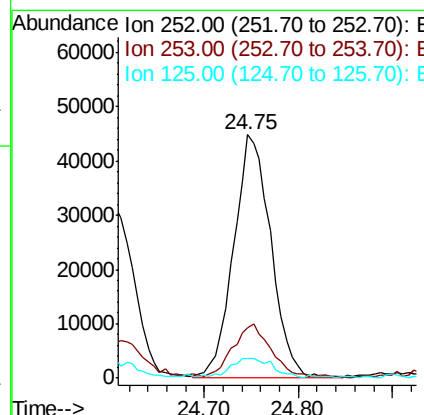
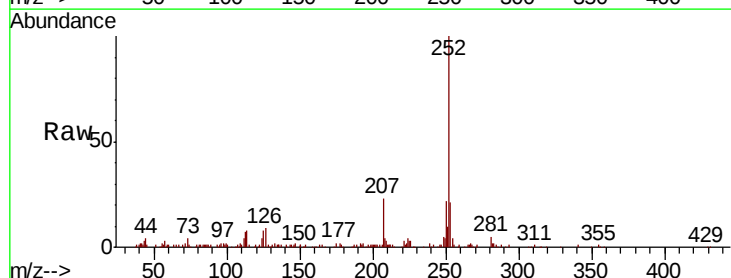
Instrument :
BNA_G
ClientSampleId :
Z1-1

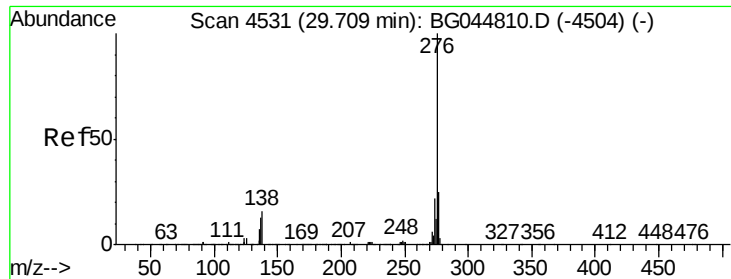
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	7.4	6.6	9.8



#90
Benzo(a)pyrene
Concen: 3.299 ng
RT: 24.75 min Scan# 3686
Delta R.T. -0.02 min
Lab File: BG044820.D
Acq: 16 Mar 2020 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	19.4	29.0
125	8.3	7.2	10.8





#92
 Benzo(a,h,i)perylene
 Concen: 2.211 ng
 RT: 29.68 min Scan# 4525
 Delta R.T. -0.03 min
 Lab File: BG044820.D
 Acq: 16 Mar 2020 19:37

Instrument :
 BNA_G
 ClientSampleId :
 Z1-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.7	20.1	30.1
138	14.1	13.0	19.6

