

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082919\
 Data File : BG042566.D
 Acq On : 29 Aug 2019 15:37
 Operator : HP/JU
 Sample : K4575-13RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 29 16:58:59 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	28464	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	110314	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	87315	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	209413	20.00	ng	0.00
76) Chrysene-d12	21.69	240	242861	20.00	ng	0.00
87) Perylene-d12	24.95	264	293849	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	145275	103.37	ng	0.00
7) Phenol-d6	7.16	99	192126	101.20	ng	0.00
23) Nitrobenzene-d5	9.17	82	110158	69.01	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	148527	119.68	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	377164	73.06	ng	0.00
79) Terphenyl-d14	20.03	244	741967	66.05	ng	0.00

Target Compounds

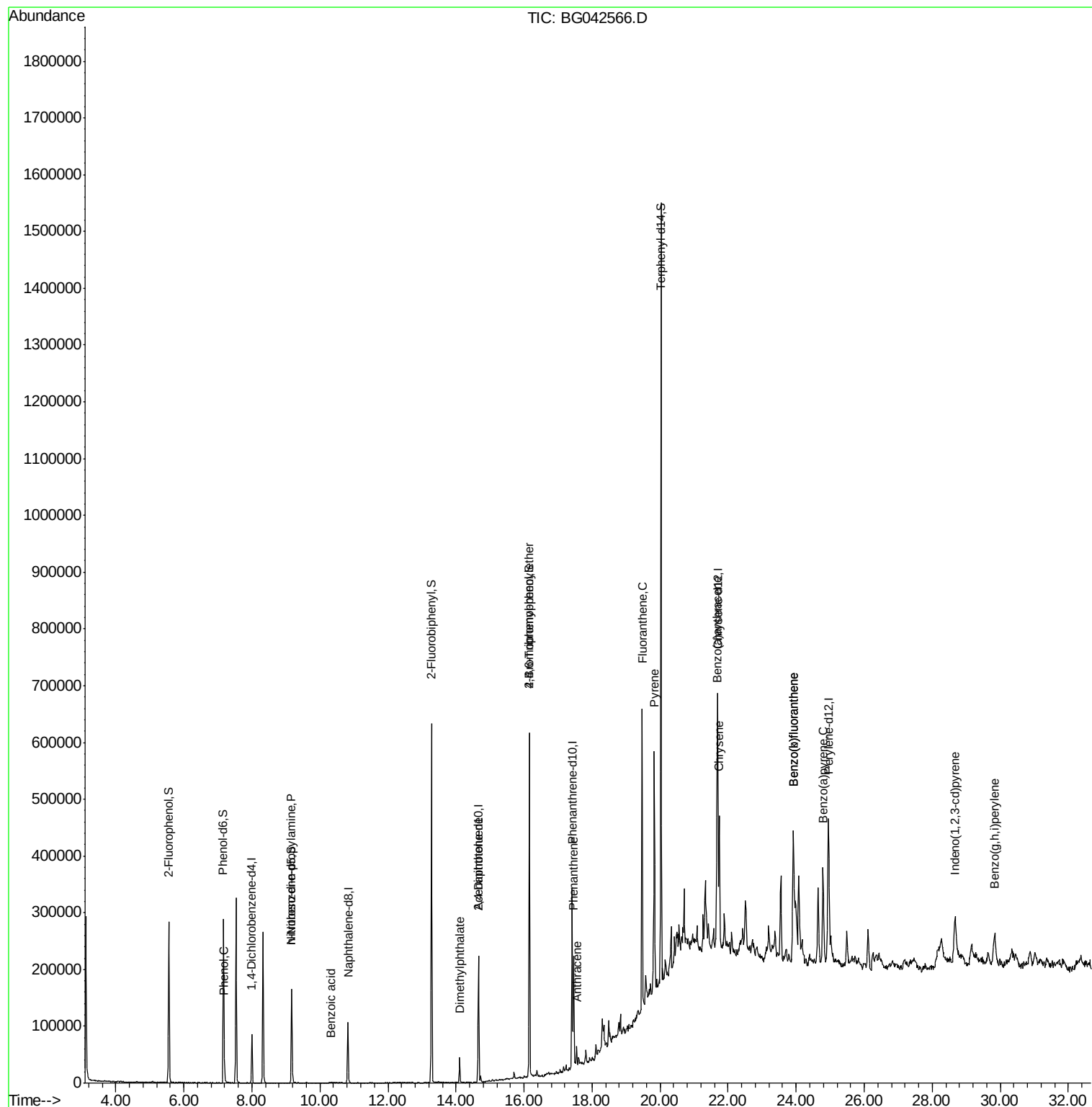
						Qvalue
10) Phenol	7.19	94	10666	5.526	ng	84
19) n-Nitroso-di-n-propylamine	9.17	70	14151	11.506	ng	# 73
32) Benzoic acid	10.32	122	159	8.300	ng	85
50) Dimethylphthalate	14.11	163	35175	5.583	ng	99
57) 2,4-Dinitrotoluene	14.66	165	11607	5.551	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	10178	3.832	ng	# 1
71) Phenanthrene	17.46	178	135612	13.037	ng	97
72) Anthracene	17.54	178	24208	2.331	ng	96
75) Fluoranthene	19.47	202	355868	28.033	ng	96
78) Pyrene	19.83	202	298216	20.028	ng	97
81) Benzo(a)anthracene	21.67	228	165948	11.233	ng	100
83) Chrysene	21.74	228	192541	13.514	ng	99
86) Indeno(1,2,3-cd)pyrene	28.66	276	143552	7.414	ng	97
88) Benzo(b)fluoranthene	23.92	252	310875	19.244	ng	99
89) Benzo(k)fluoranthene	23.92	252	310875	20.020	ng	99
90) Benzo(a)pyrene	24.79	252	195169	12.732	ng	98
92) Benzo(a,h,i)perylene	29.83	276	142168	9.158	ng	96

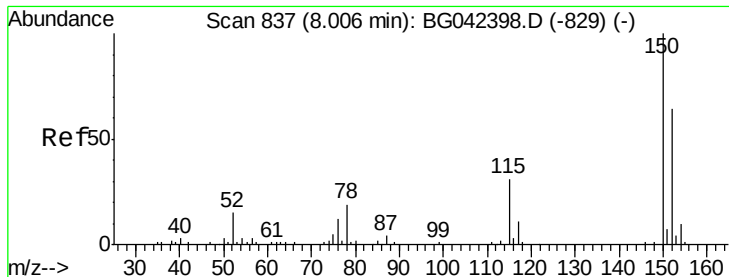
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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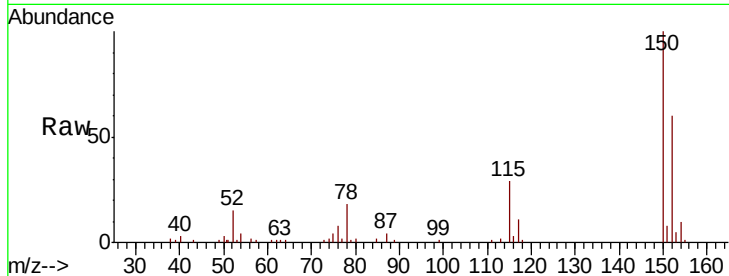


#1

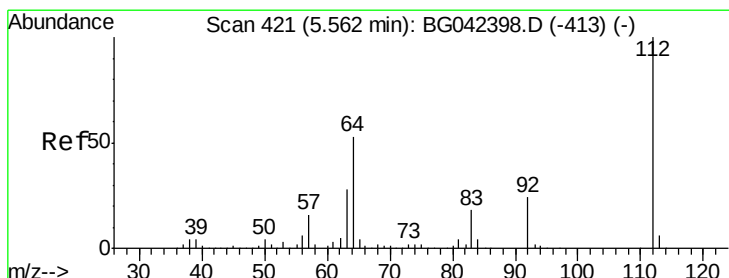
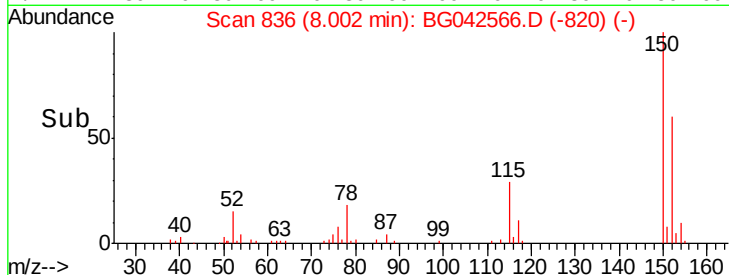
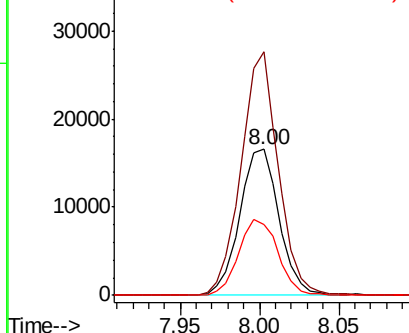
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG042566.D
Acq: 29 Aug 2019 15:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28464
Ion Ratio Lower Upper
152 100
150 166.9 125.4 188.0
115 48.1 38.5 57.7



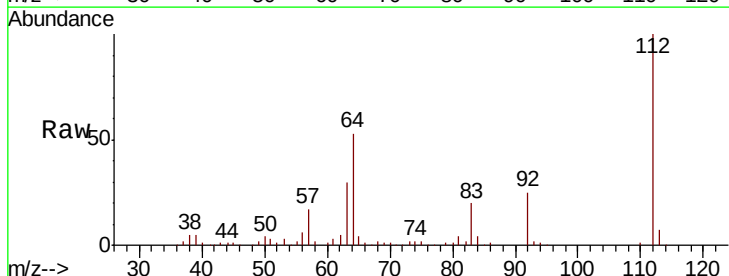
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



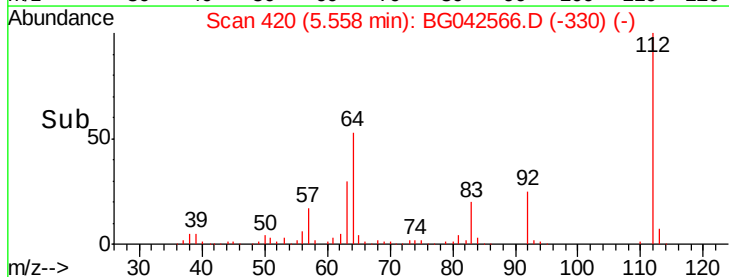
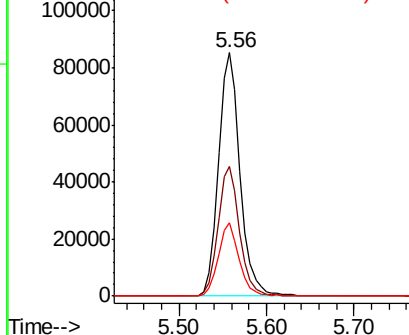
#5

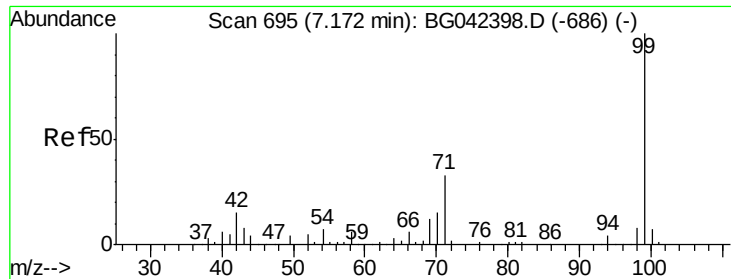
2-Fluorophenol
Concen: 103.367 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG042566.D
Acq: 29 Aug 2019 15:37

Tgt Ion:112 Resp: 145275
Ion Ratio Lower Upper
112 100
64 53.2 42.8 64.2
63 29.9 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: 101.203 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042566.D

Acq: 29 Aug 2019 15:37

Instrument :

BNA_G

ClientSampleId :

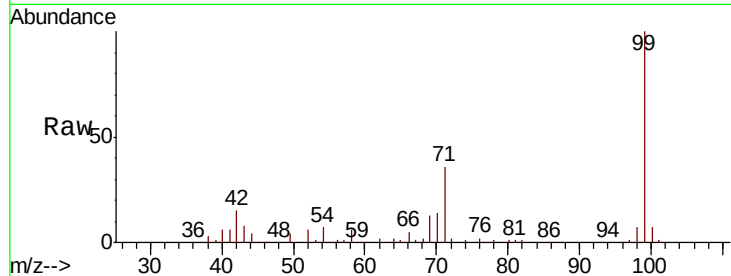
Tot Ion: 99 Resp: 192126

Ion Ratio Lower Upper

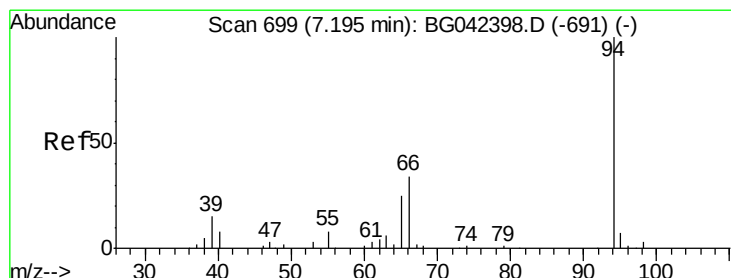
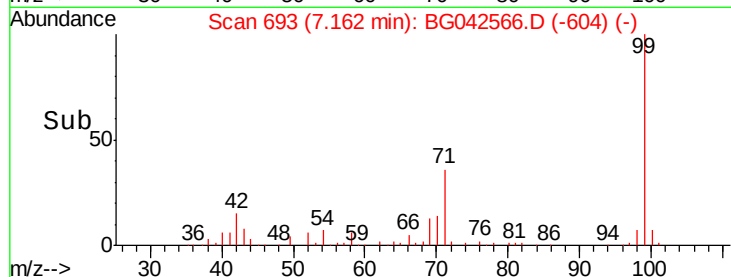
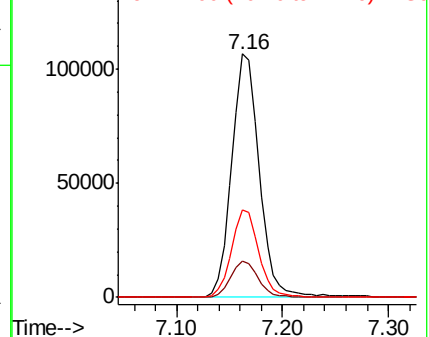
99 100

42 15.0 12.0 18.0

71 35.7 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: 5.526 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG042566.D

Acq: 29 Aug 2019 15:37

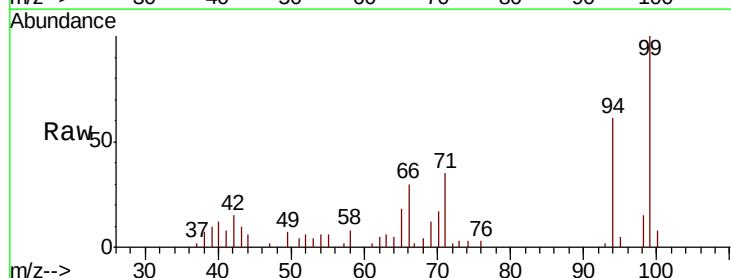
Tgt Ion: 94 Resp: 10666

Ion Ratio Lower Upper

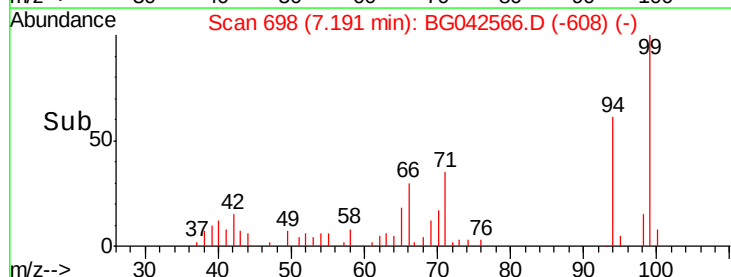
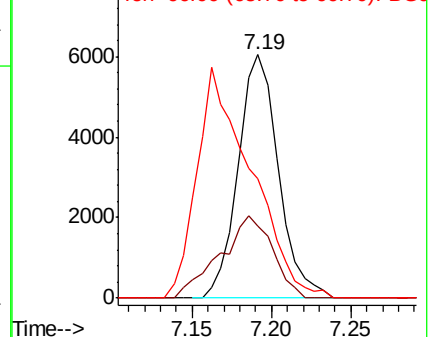
94 100

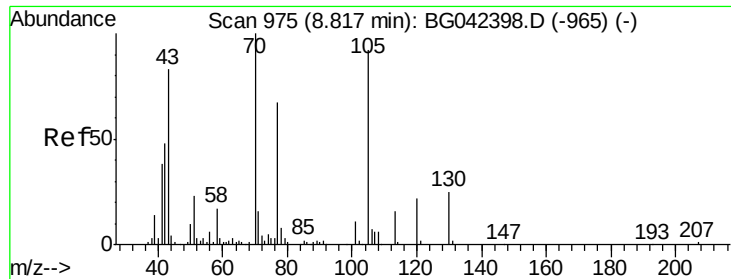
65 29.4 5.6 45.6

66 48.8 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

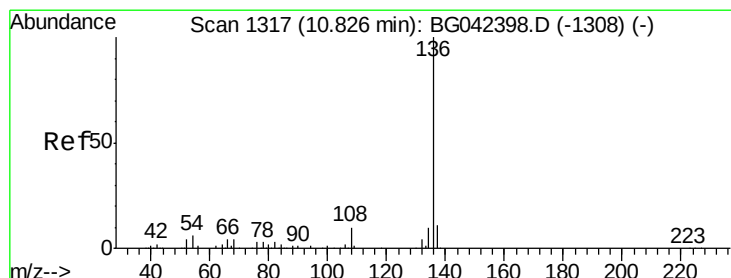
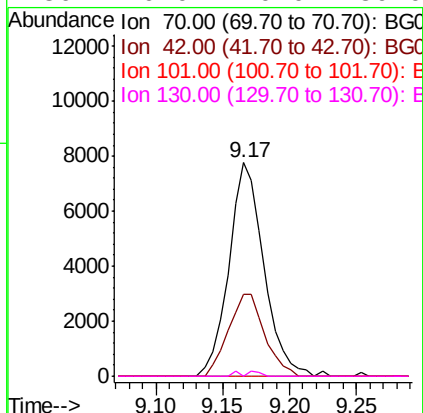
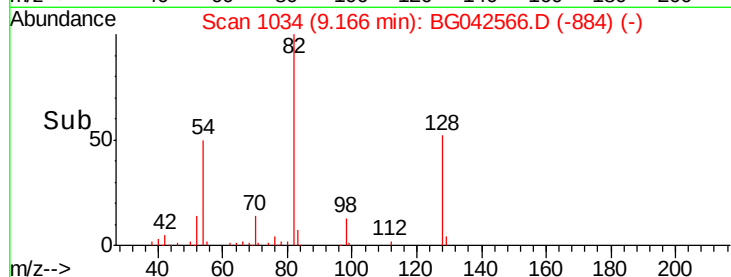
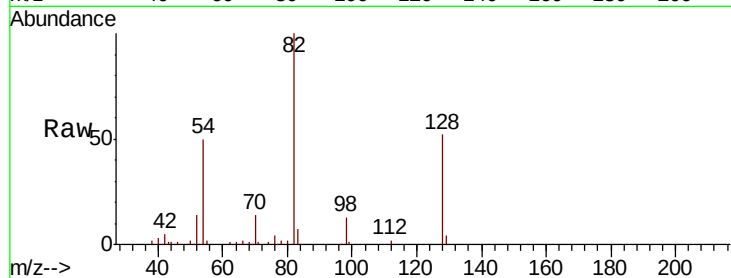




#19
n-Nitroso-di-n-propylamine
Concen: 11.506 ng
RT: 9.17 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042566.D
Acq: 29 Aug 2019 15:37

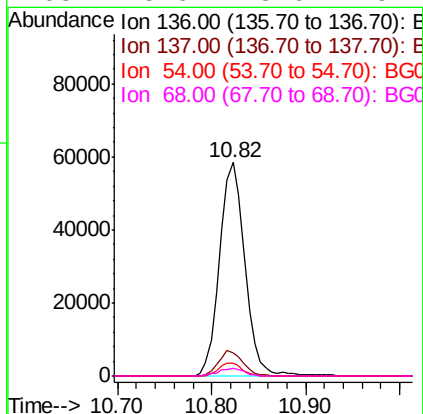
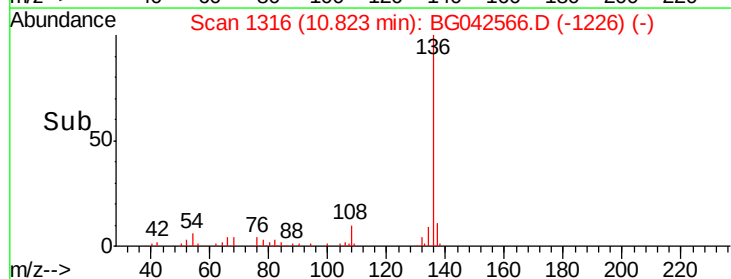
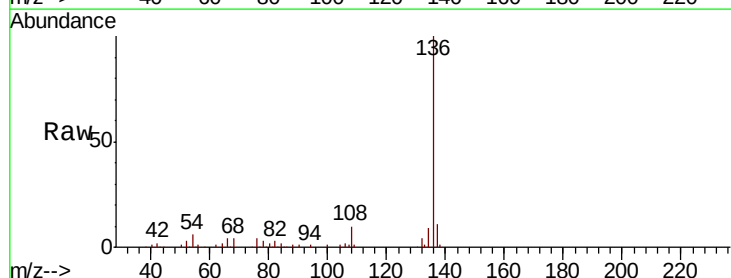
Instrument :
BNA_G
ClientSampleId :

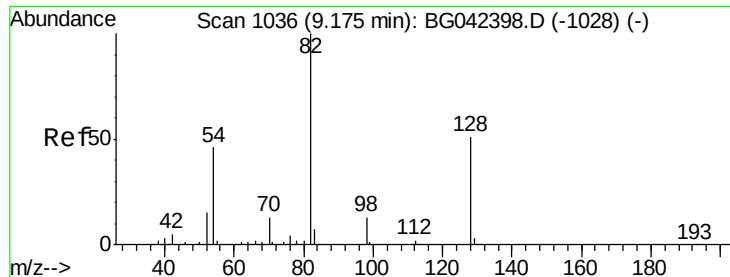
Tot Ion: 70 Resp: 14151
Ion Ratio Lower Upper
70 100
42 38.2 38.8 58.2#
101 0.0 9.0 13.6#
130 0.0 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042566.D
Acq: 29 Aug 2019 15:37

Tgt Ion:136 Resp: 110314
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 5.8 4.9 7.3
68 3.6 3.6 5.4#

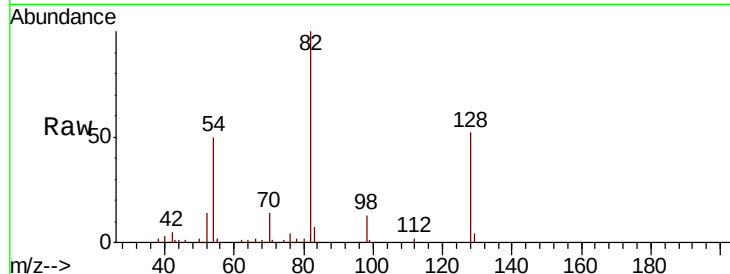




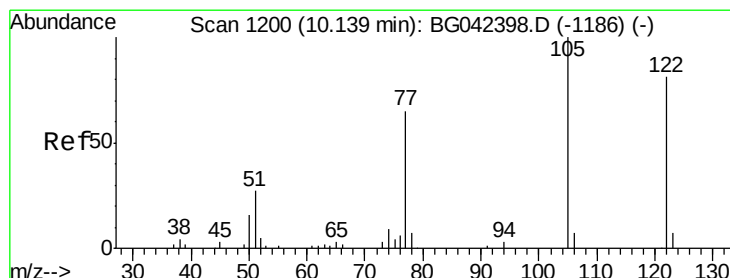
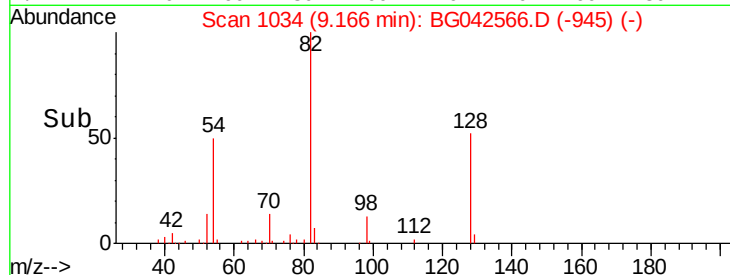
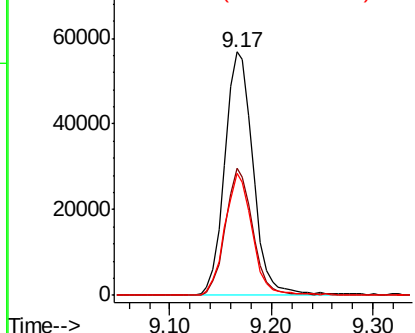
#23
 Nitrobenzene-d5
 Concen: 69.006 ng
 RT: 9.17 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042566.D
 Acq: 29 Aug 2019 15:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 110158
 Ion Ratio Lower Upper
 82 100
 128 52.3 40.7 61.1
 54 49.9 36.3 54.5

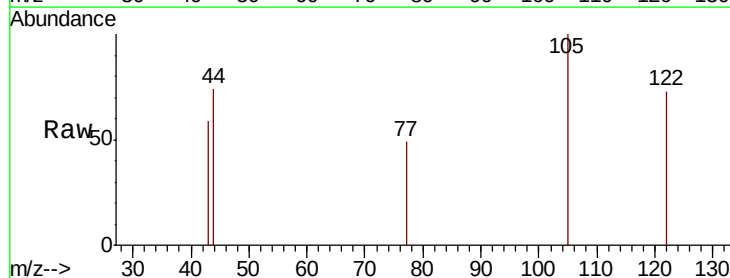


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

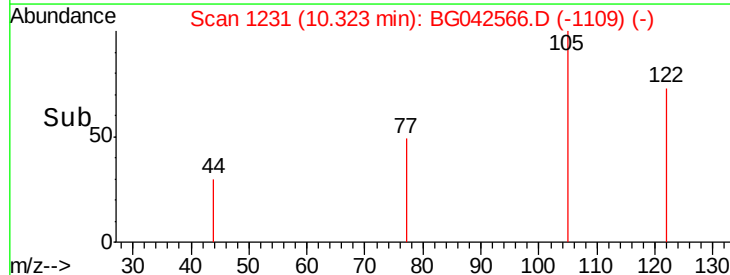
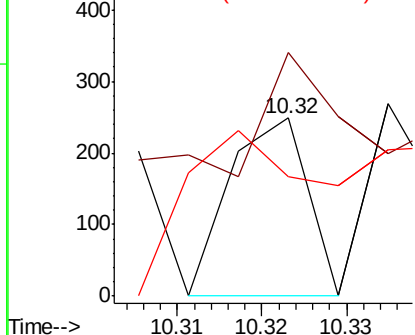


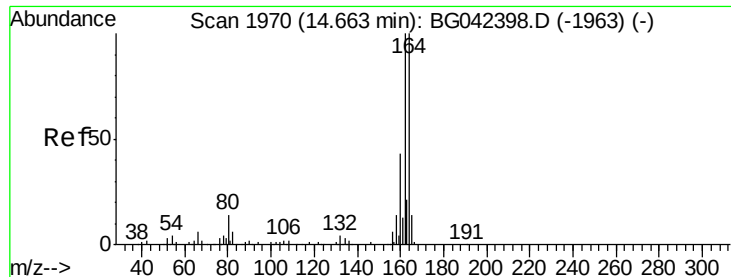
#32
 Benzoic acid
 Concen: 8.300 ng
 RT: 10.32 min Scan# 1231
 Delta R.T. 0.19 min
 Lab File: BG042566.D
 Acq: 29 Aug 2019 15:37

Tgt Ion: 122 Resp: 159
 Ion Ratio Lower Upper
 122 100
 105 136.5 99.6 139.6
 77 67.1 59.5 99.5



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG042566.D

Acq: 29 Aug 2019 15:37

Instrument :

BNA_G

ClientSampleId :

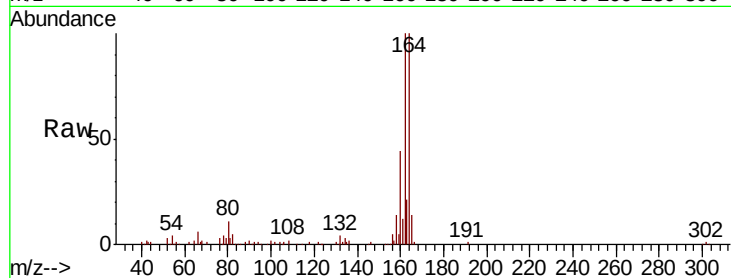
Tot Ion:164 Resp: 87315

Ion Ratio Lower Upper

164 100

162 100.3 79.9 119.9

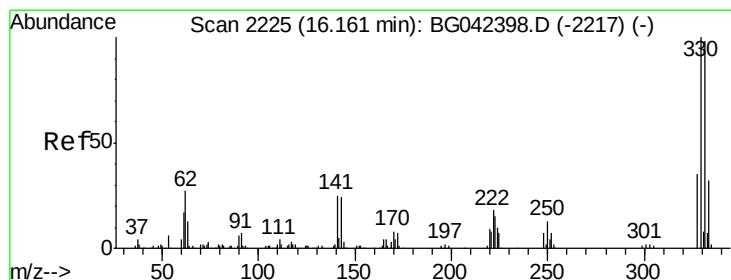
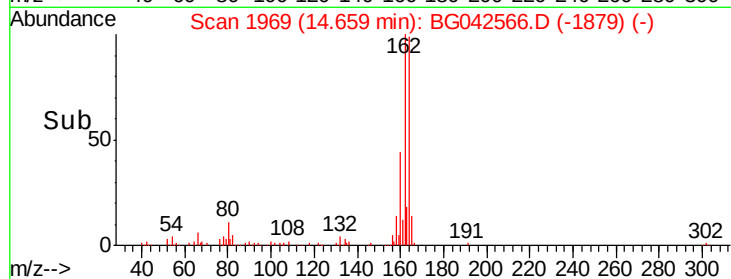
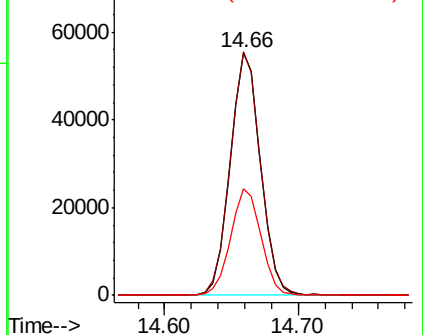
160 44.1 34.3 51.5



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: 119.680 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BG042566.D

Acq: 29 Aug 2019 15:37

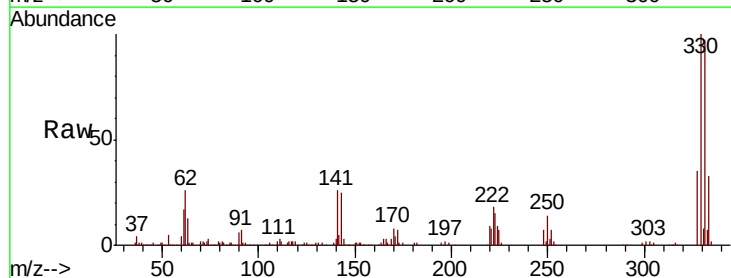
Tgt Ion:330 Resp: 148527

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.0

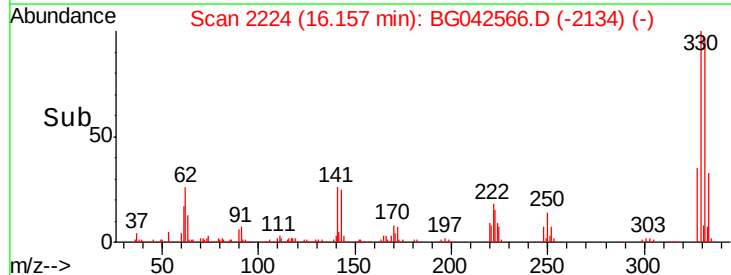
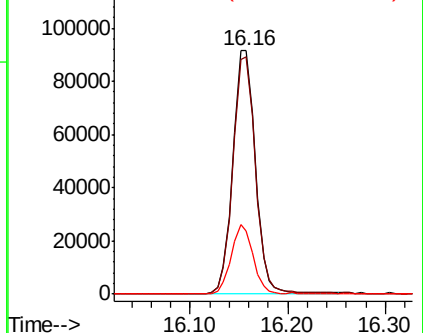
141 27.4 21.4 32.0

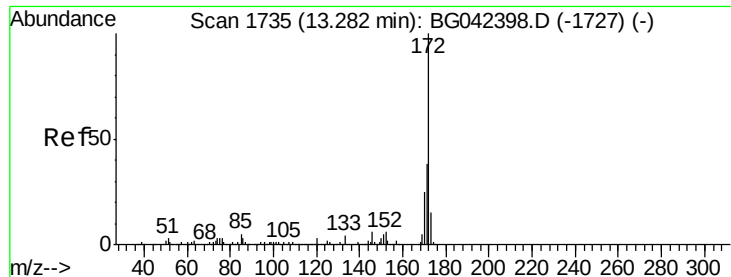


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

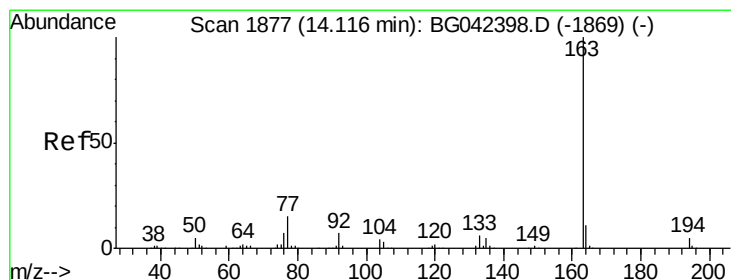
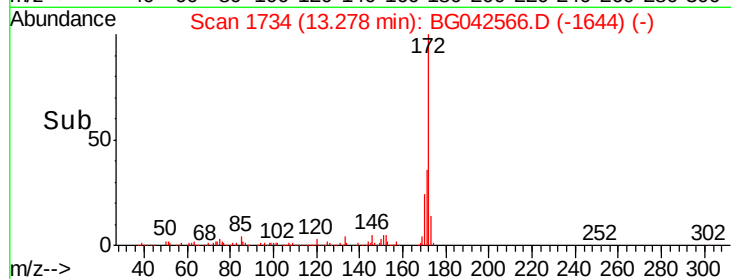
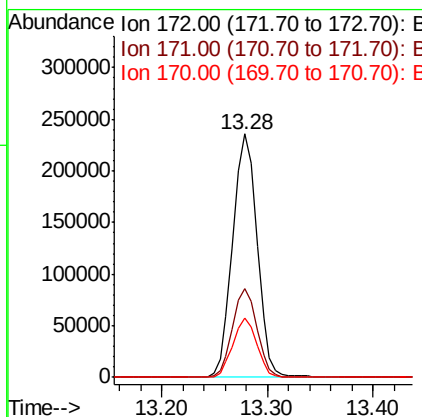
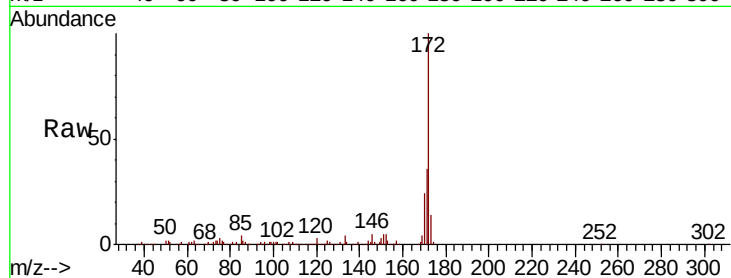




#45
2-Fluorobiphenyl
Concen: 73.056 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG042566.D
Acq: 29 Aug 2019 15:37

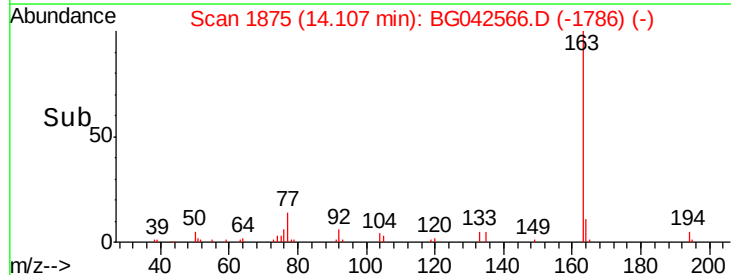
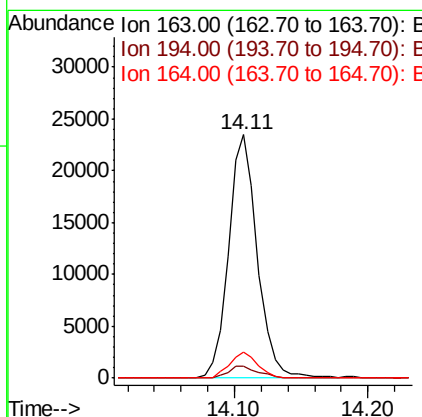
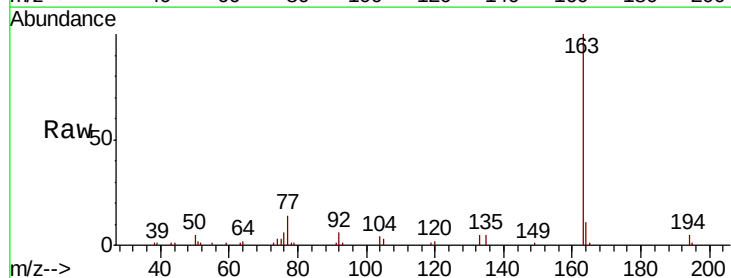
Instrument :
BNA_G
ClientSampleId :

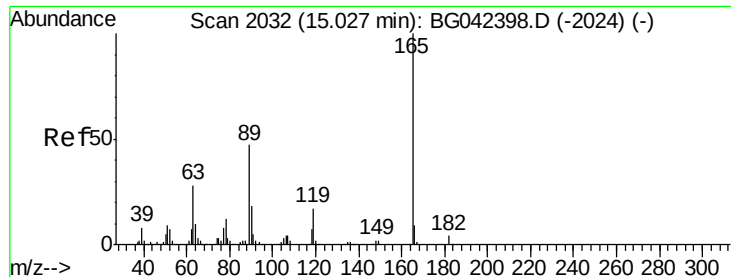
Tot Ion:172 Resp: 377164
Ion Ratio Lower Upper
172 100
171 36.4 30.5 45.7
170 24.2 20.2 30.2



#50
Dimethylphthalate
Concen: 5.583 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042566.D
Acq: 29 Aug 2019 15:37

Tgt Ion:163 Resp: 35175
Ion Ratio Lower Upper
163 100
194 4.9 4.2 6.2
164 10.8 8.8 13.2

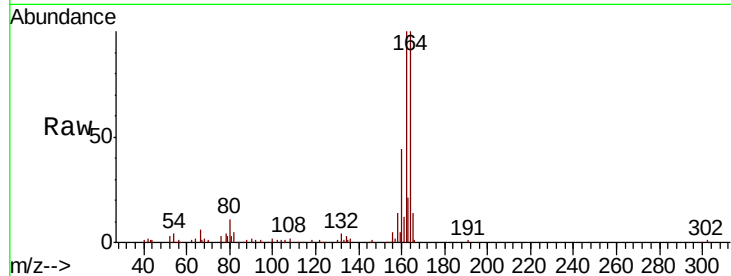




#57
 2,4-Dinitrotoluene
 Concen: 5.551 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042566.D
 Acq: 29 Aug 2019 15:37

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#



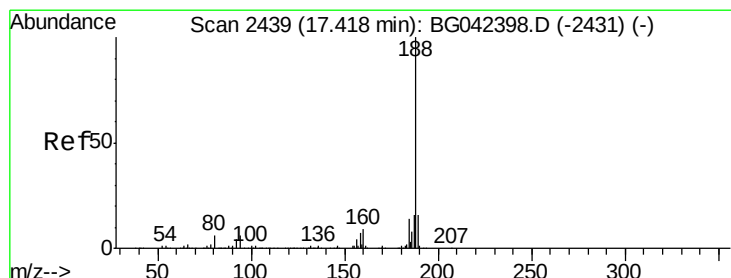
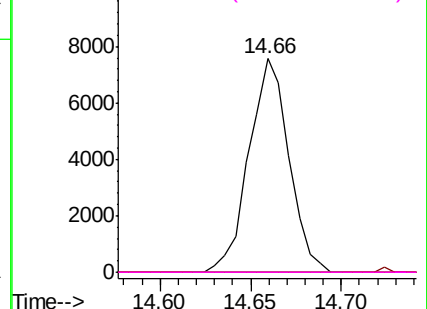
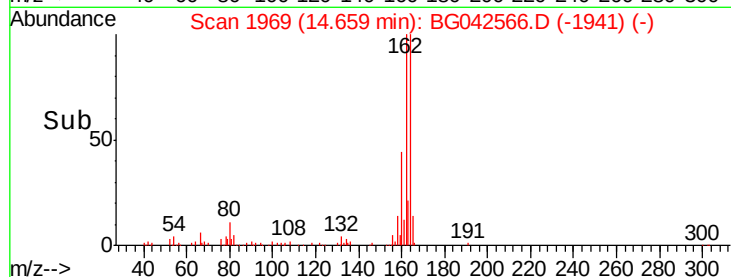
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

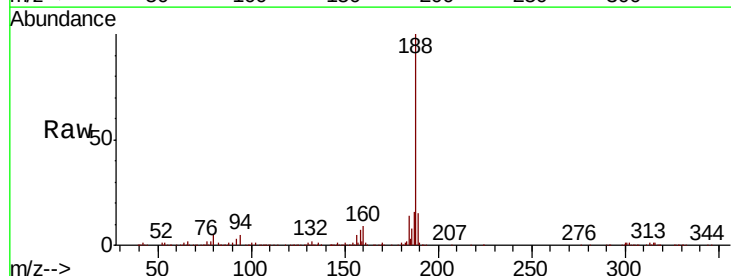
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BG042566.D
 Acq: 29 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.9	4.5	6.7
80	4.9	4.9	7.3

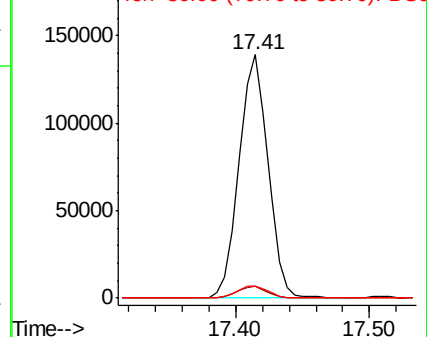
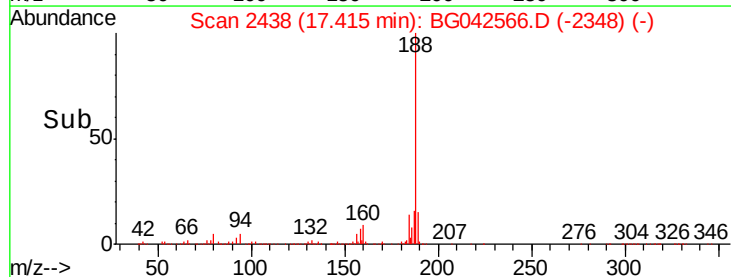


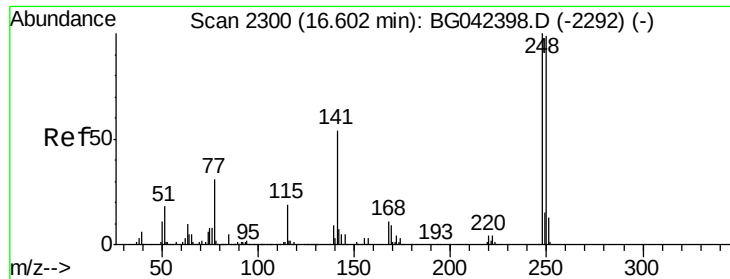
Abundance

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

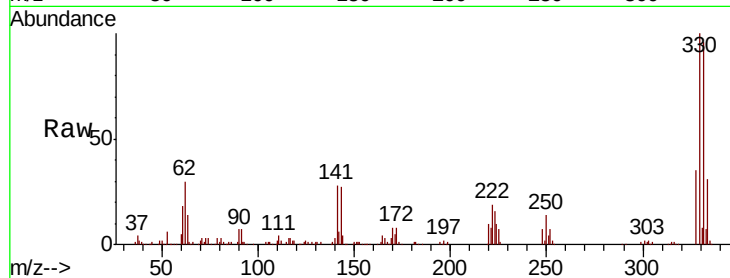




#67
 4-Bromophenyl-phenylether
 Concen: 3.832 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042566.D
 Acq: 29 Aug 2019 15:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	192.9	78.9	118.3#
141	387.5	43.3	64.9#

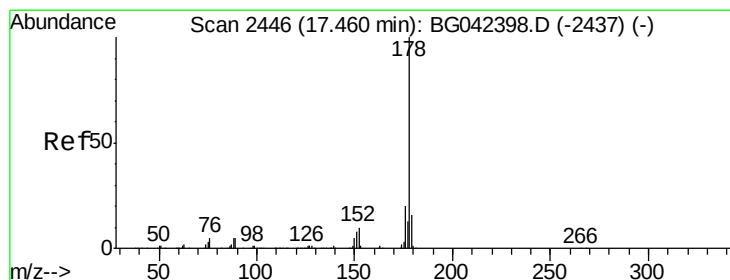
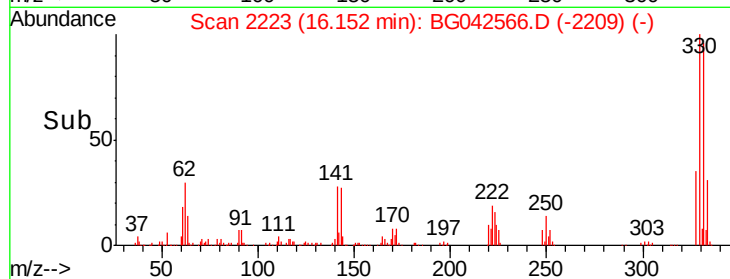
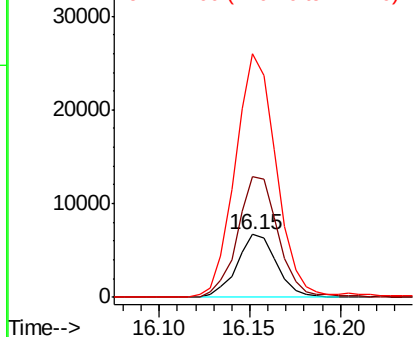


Abundance

Ion 248.00 (247.70 to 248.70): E

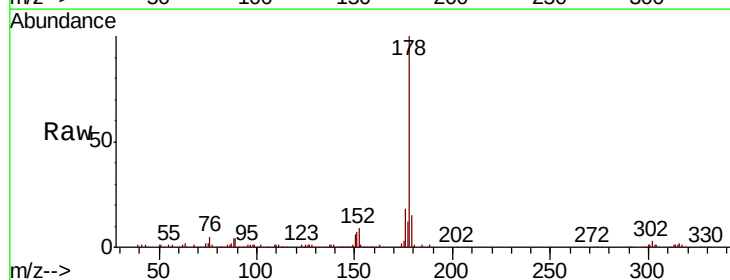
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 13.037 ng
 RT: 17.46 min Scan# 2445
 Delta R.T. -0.00 min
 Lab File: BG042566.D
 Acq: 29 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.9	23.9
179	15.0	12.7	19.1

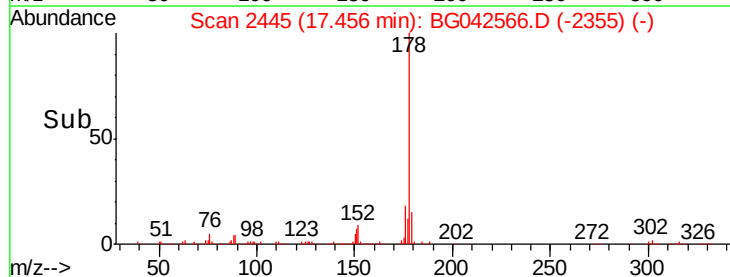
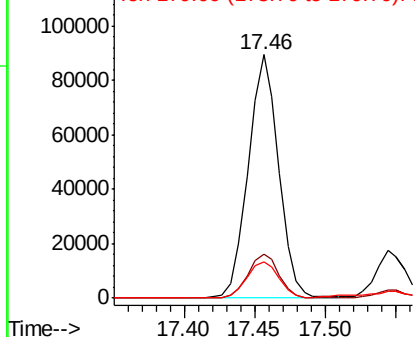


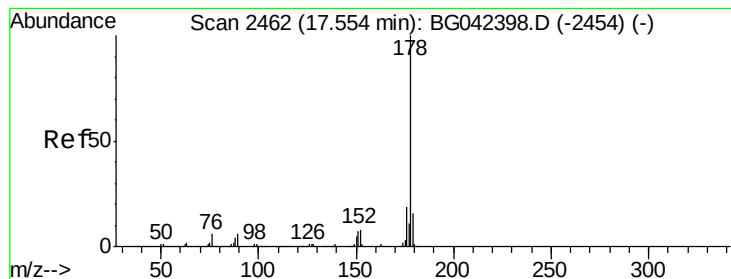
Abundance

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: 2.331 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG042566.D

Acq: 29 Aug 2019 15:37

Instrument :

BNA_G

ClientSampleId :

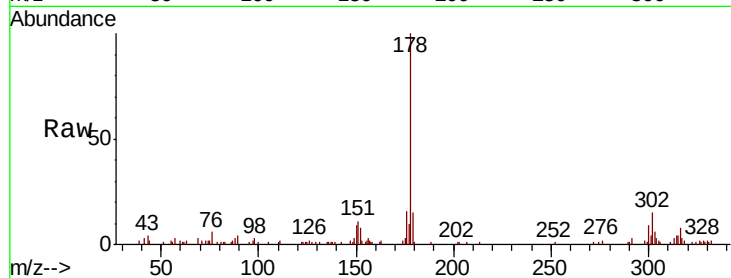
Tot Ion:178 Resp: 24208

Ion Ratio Lower Upper

178 100

176 16.3 15.5 23.3

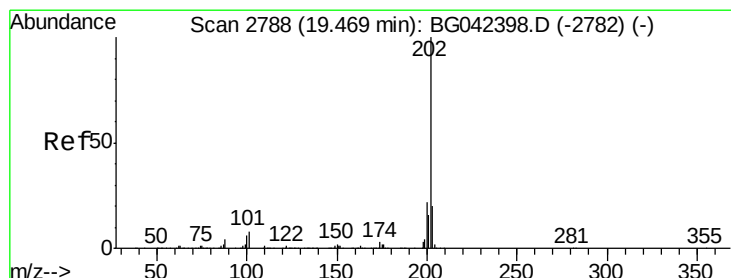
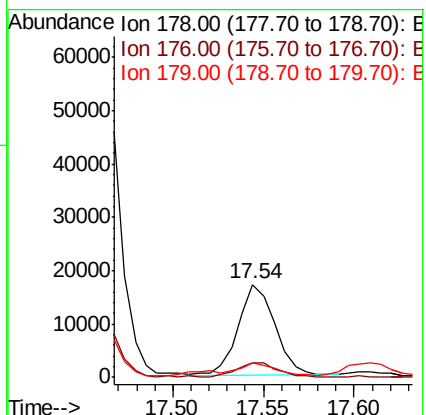
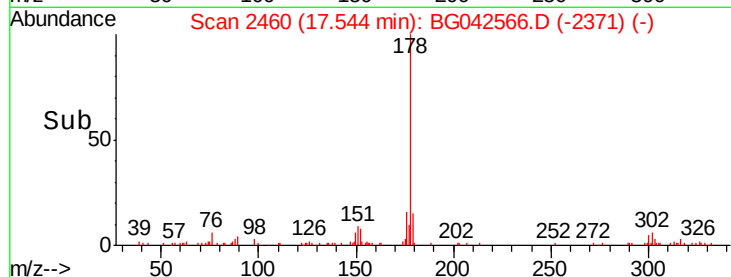
179 15.5 12.9 19.3



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: 28.033 ng

RT: 19.47 min Scan# 2788

Delta R.T. 0.00 min

Lab File: BG042566.D

Acq: 29 Aug 2019 15:37

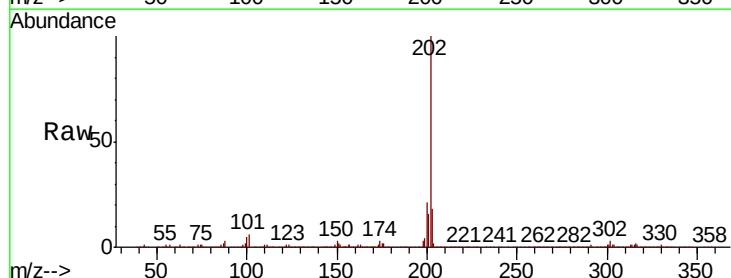
Tgt Ion:202 Resp: 355868

Ion Ratio Lower Upper

202 100

101 6.0 0.0 28.3

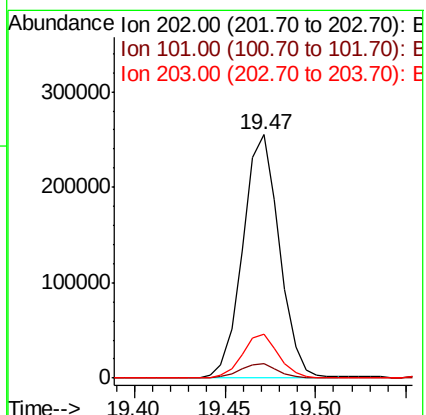
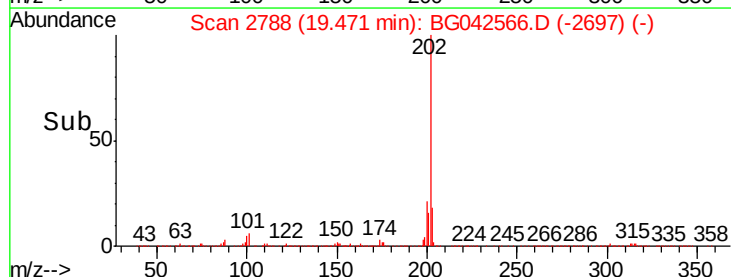
203 18.0 0.0 39.6

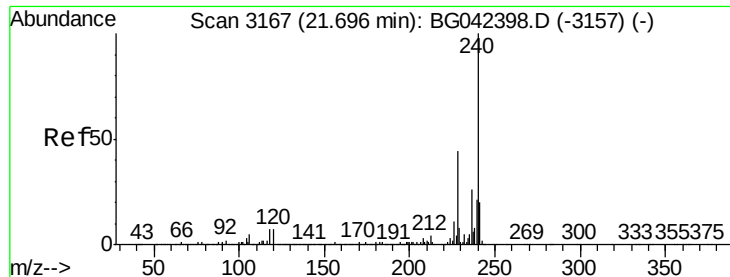


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

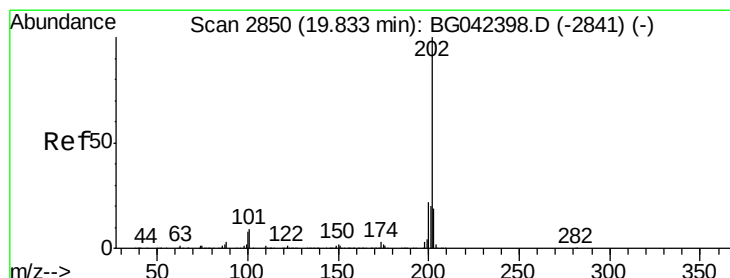
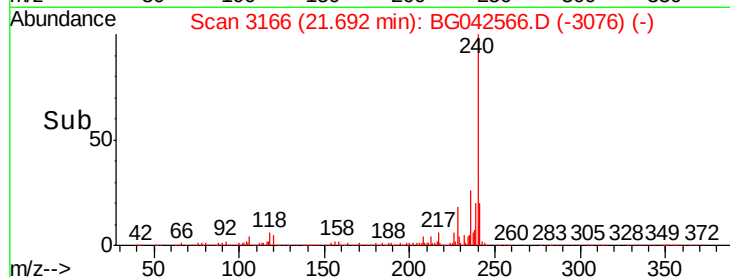
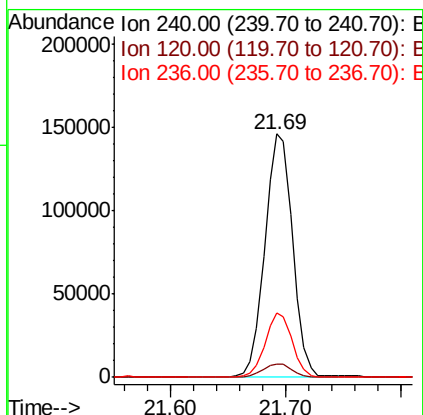
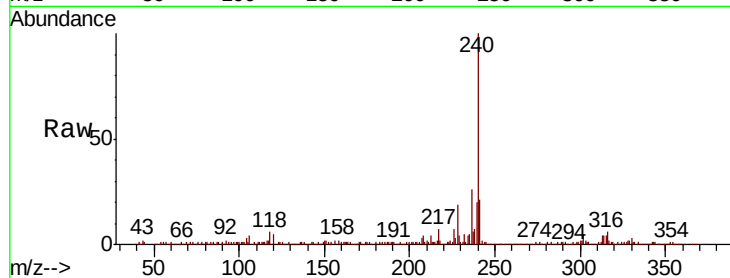




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.00 min
Lab File: BG042566.D
Acq: 29 Aug 2019 15:37

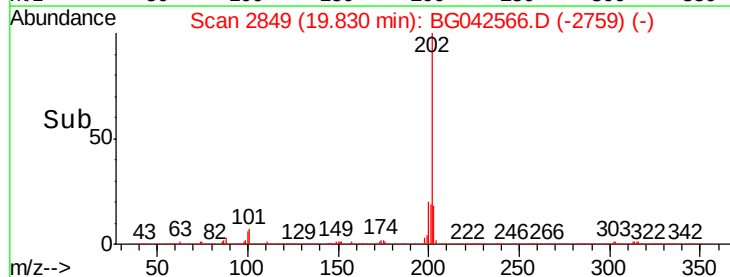
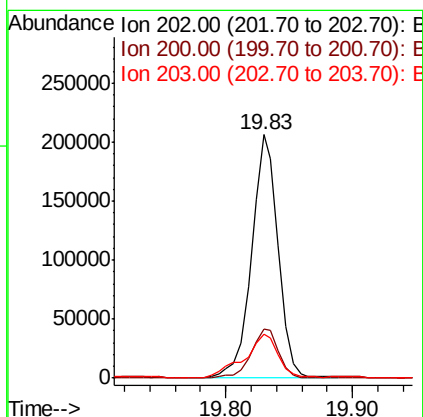
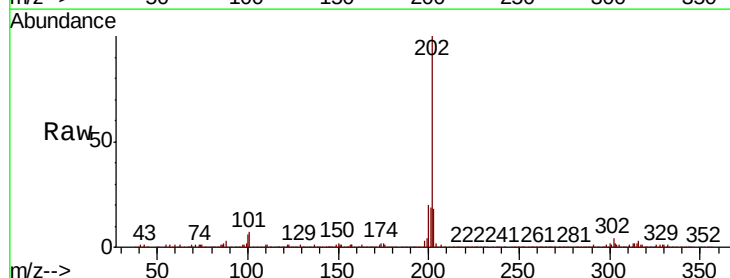
Instrument :
BNA_G
ClientSampleId :

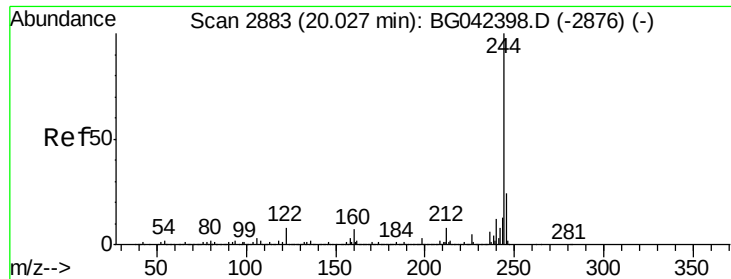
Tot Ion:240 Resp: 242861
Ion Ratio Lower Upper
240 100
120 5.3 5.7 8.5#
236 26.3 21.0 31.4



#78
Pyrene
Concen: 20.028 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.00 min
Lab File: BG042566.D
Acq: 29 Aug 2019 15:37

Tgt Ion:202 Resp: 298216
Ion Ratio Lower Upper
202 100
200 20.1 17.8 26.6
203 18.3 15.5 23.3





#79

Terphenyl-d14

Concen: 66.049 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG042566.D

Acq: 29 Aug 2019 15:37

Instrument :

BNA_G

ClientSampleId :

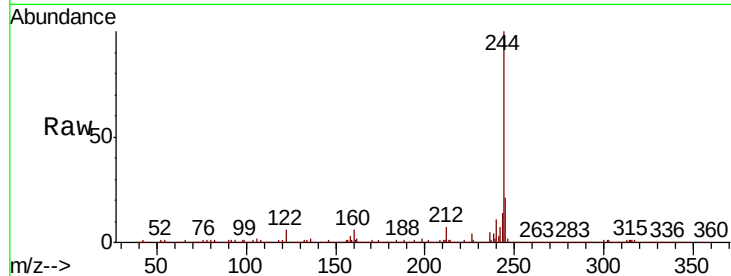
Tot Ion:244 Resp: 741967

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

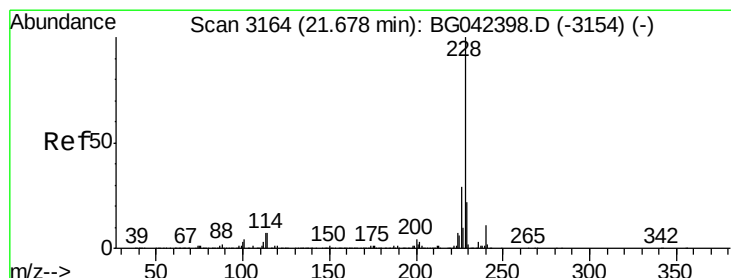
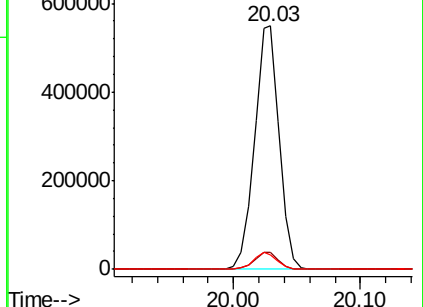
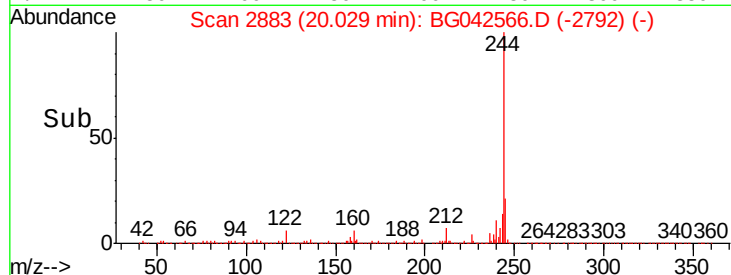
122 5.9 6.7 10.1#



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



#81

Benzo(a)anthracene

Concen: 11.233 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.00 min

Lab File: BG042566.D

Acq: 29 Aug 2019 15:37

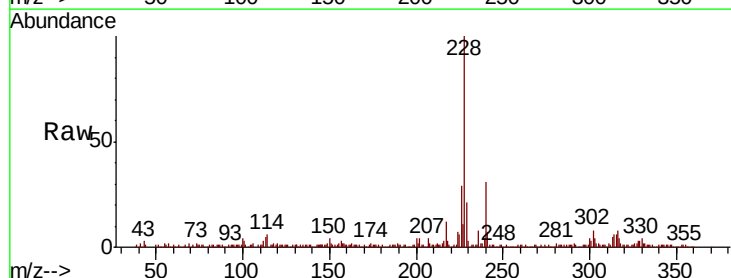
Tgt Ion:228 Resp: 165948

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.2

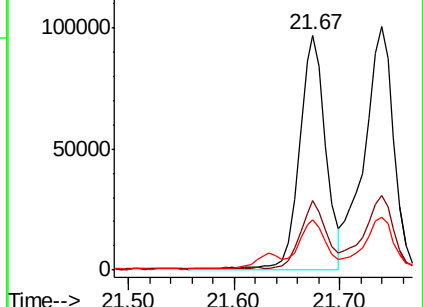
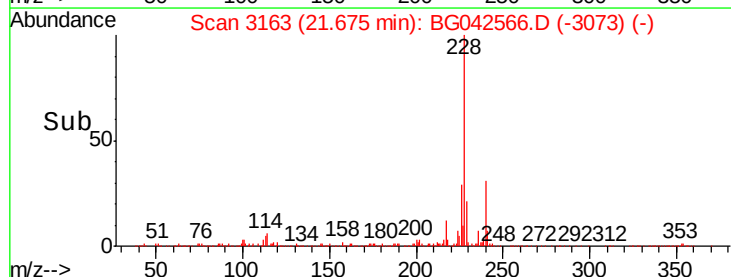
229 21.5 17.4 26.2

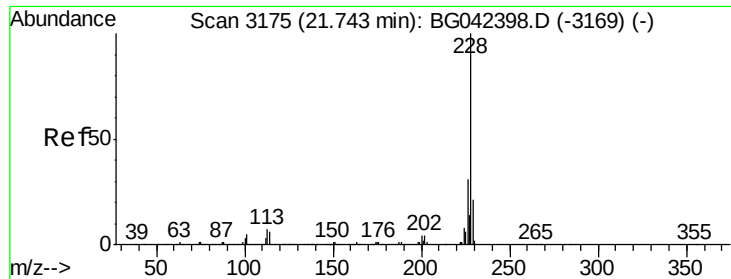


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 13.514 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BG042566.D

Acq: 29 Aug 2019 15:37

Instrument :

BNA_G

ClientSampleId :

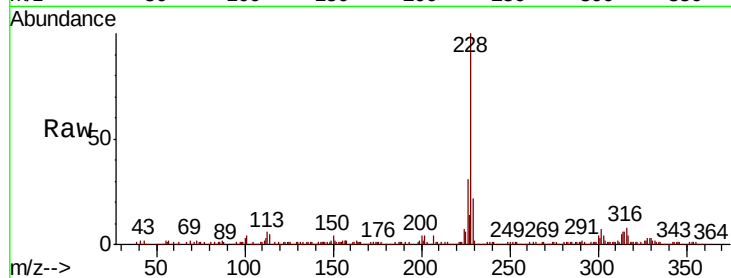
Tot Ion:228 Resp: 192541

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

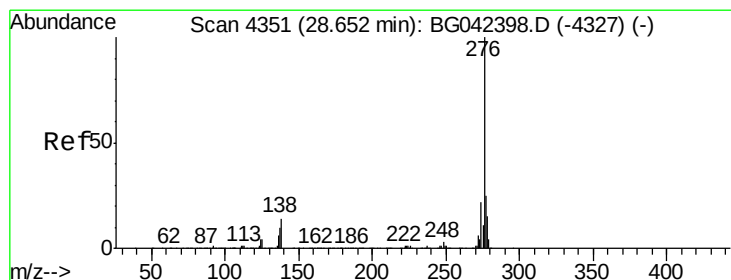
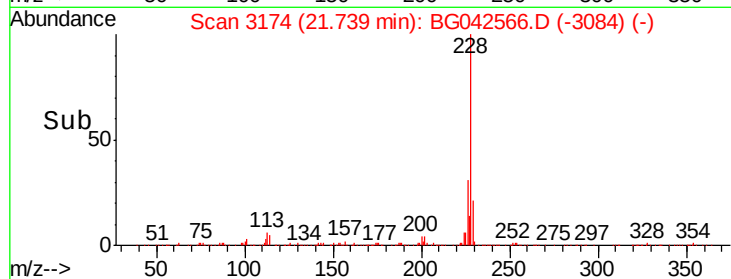
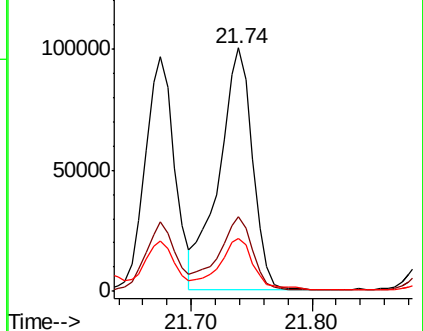
229 21.6 16.9 25.3



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.414 ng

RT: 28.66 min Scan# 4352

Delta R.T. 0.01 min

Lab File: BG042566.D

Acq: 29 Aug 2019 15:37

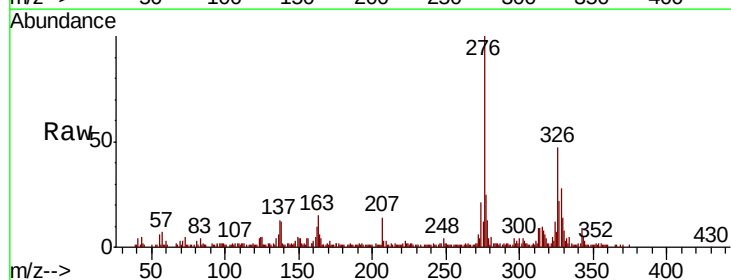
Tgt Ion:276 Resp: 143552

Ion Ratio Lower Upper

276 100

138 11.5 9.2 13.8

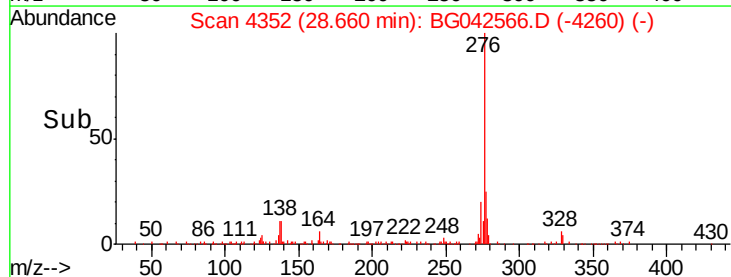
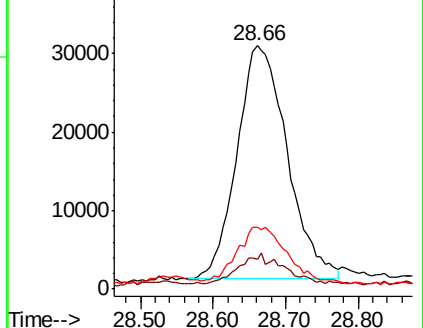
277 24.3 21.0 31.6

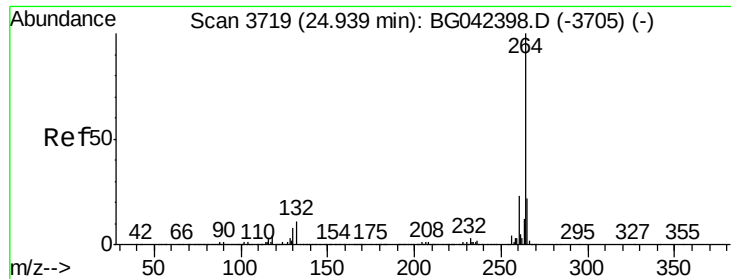


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.95 min Scan# 3720

Delta R.T. 0.01 min

Lab File: BG042566.D

Acq: 29 Aug 2019 15:37

Instrument :

BNA_G

ClientSampled :

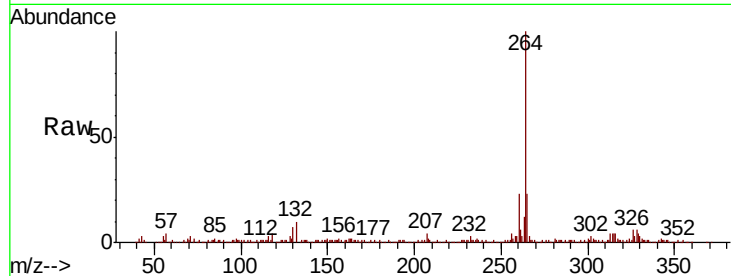
Tot Ion:264 Resp: 293849

Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

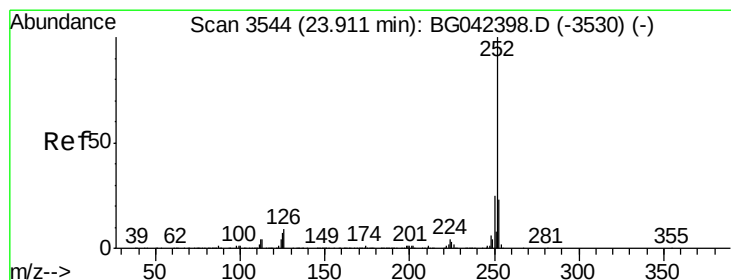
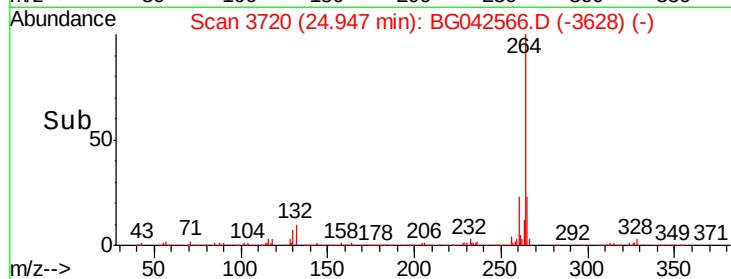
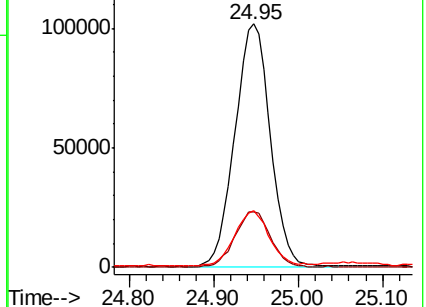
265 23.1 17.6 26.4



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: 19.244 ng

RT: 23.92 min Scan# 3545

Delta R.T. 0.01 min

Lab File: BG042566.D

Acq: 29 Aug 2019 15:37

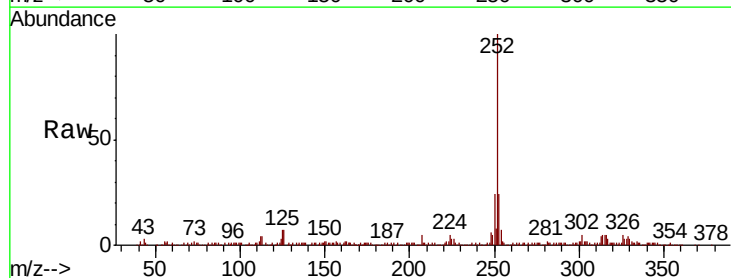
Tgt Ion:252 Resp: 310875

Ion Ratio Lower Upper

252 100

253 23.7 18.6 27.8

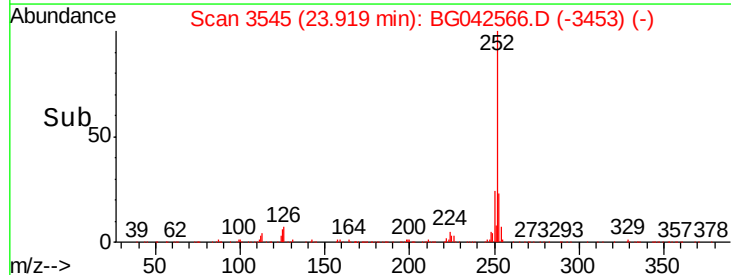
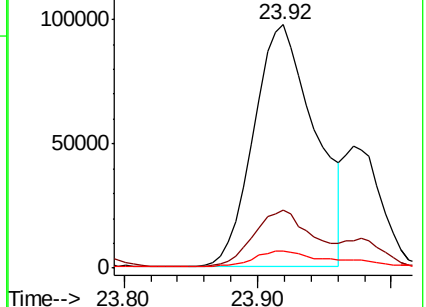
125 6.9 5.6 8.4

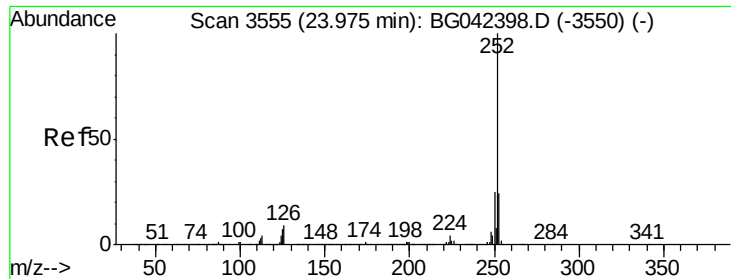


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

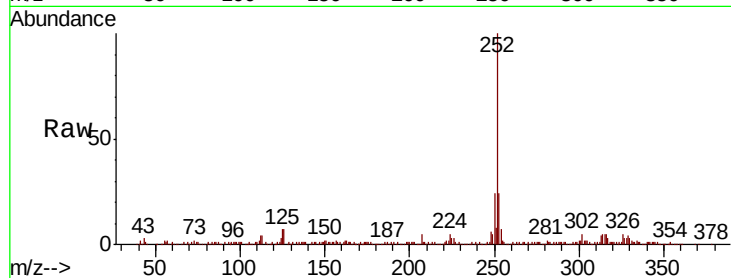




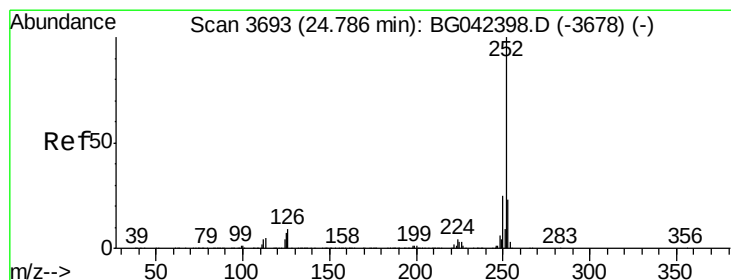
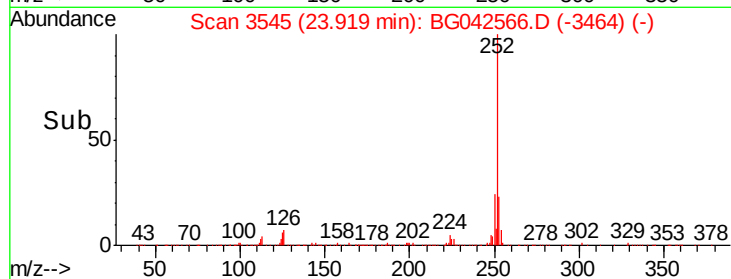
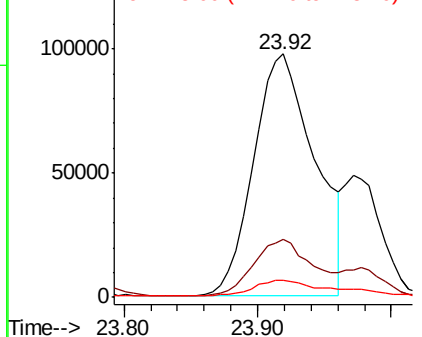
#89
Benzo(k)fluoranthene
Concen: 20.020 ng
RT: 23.92 min Scan# 3545
Delta R.T. -0.06 min
Lab File: BG042566.D
Acq: 29 Aug 2019 15:37

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.6	27.8
125	6.9	5.8	8.6

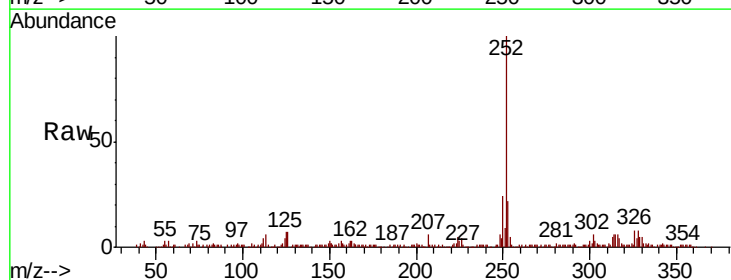


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

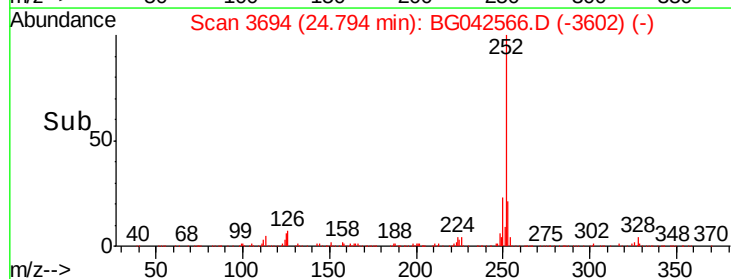
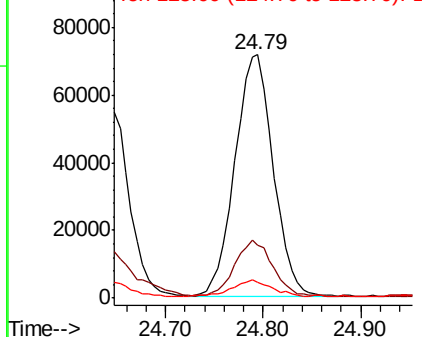


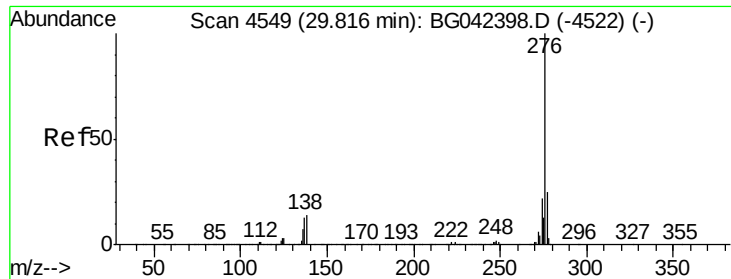
#90
Benzo(a)pyrene
Concen: 12.732 ng
RT: 24.79 min Scan# 3694
Delta R.T. 0.01 min
Lab File: BG042566.D
Acq: 29 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	6.6	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





#92
 Benzo(a,h,i)perylene
 Concen: 9.158 ng
 RT: 29.83 min Scan# 4551
 Delta R.T. 0.01 min
 Lab File: BG042566.D
 Acq: 29 Aug 2019 15:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	276	Resp:	142168
Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.8	29.8
138	16.4	11.4	17.0

