

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090319\
 Data File : BG042696.D
 Acq On : 3 Sep 2019 19:46
 Operator : HP/JU
 Sample : K4602-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 04 04:07:48 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	34540	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	139490	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	106566	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	241692	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	261058	20.00	ng	-0.01
87) Perylene-d12	24.93	264	310597	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	139520	81.81	ng	0.00
7) Phenol-d6	7.16	99	193778	84.12	ng	-0.01
23) Nitrobenzene-d5	9.16	82	111971	55.47	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	132426	87.43	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	323858	51.40	ng	0.00
79) Terphenyl-d14	20.02	244	557225	46.15	ng	0.00

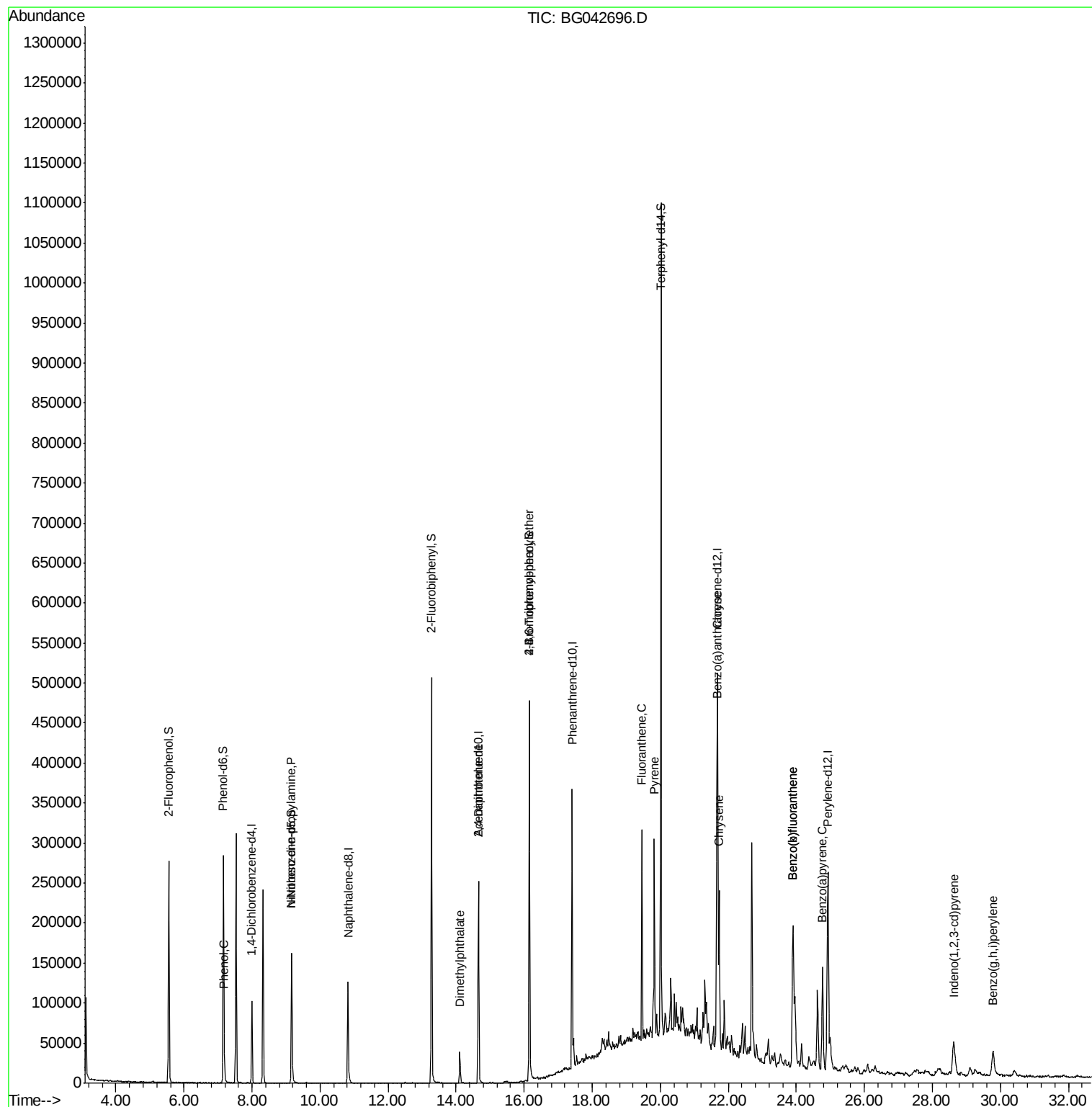
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	7942	3.391	ng	83
19) n-Nitroso-di-n-propylamine	9.16	70	14590	9.776	ng	# 75
50) Dimethylphthalate	14.11	163	41521	5.400	ng	# 97
57) 2,4-Dinitrotoluene	14.66	165	14141	5.541	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	8541	2.786	ng	# 1
75) Fluoranthene	19.46	202	179587	12.257	ng	94
78) Pyrene	19.83	202	184510	11.528	ng	96
81) Benzo(a)anthracene	21.67	228	167058	10.520	ng	97
83) Chrysene	21.73	228	155813	10.174	ng	99
86) Indeno(1,2,3-cd)pyrene	28.63	276	84002	4.036	ng	# 95
88) Benzo(b)fluoranthene	23.90	252	247081	14.470	ng	98
89) Benzo(k)fluoranthene	23.90	252	247081	15.054	ng	98
90) Benzo(a)pyrene	24.77	252	161963	9.996	ng	100
92) Benzo(a,h,i)perylene	29.79	276	77728	4.737	ng	95

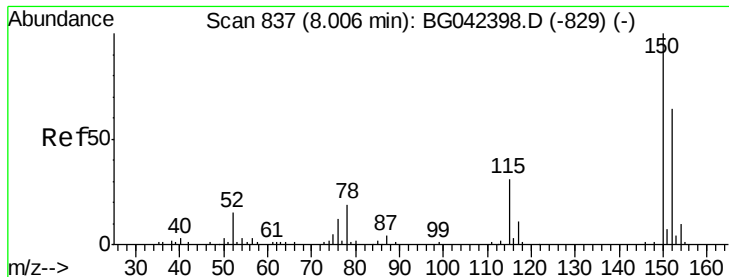
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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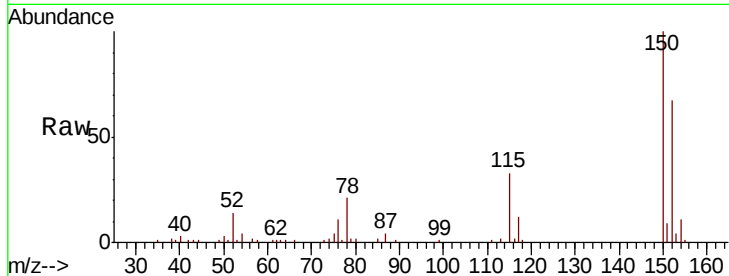


#1

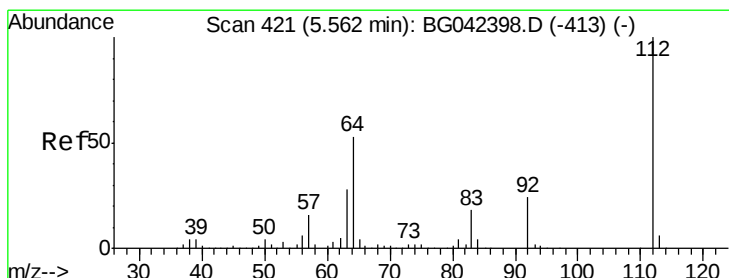
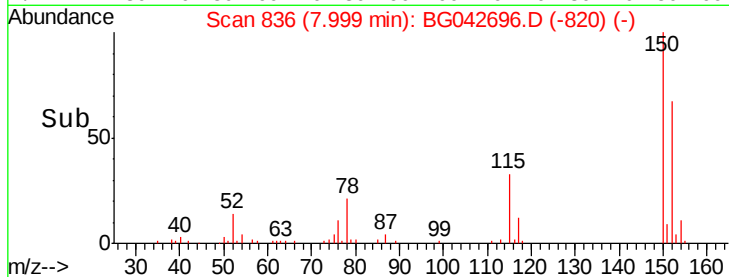
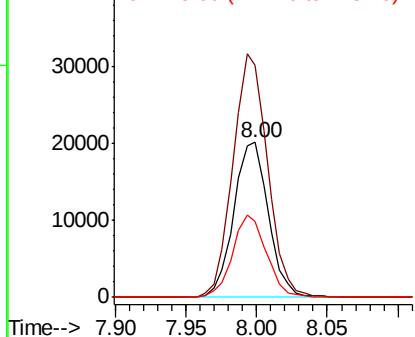
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34540
Ion Ratio Lower Upper
152 100
150 149.7 125.4 188.0
115 49.4 38.5 57.7



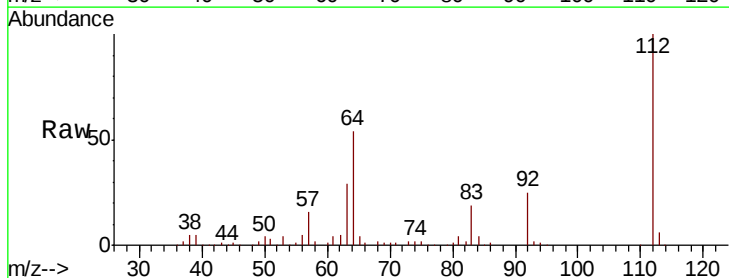
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



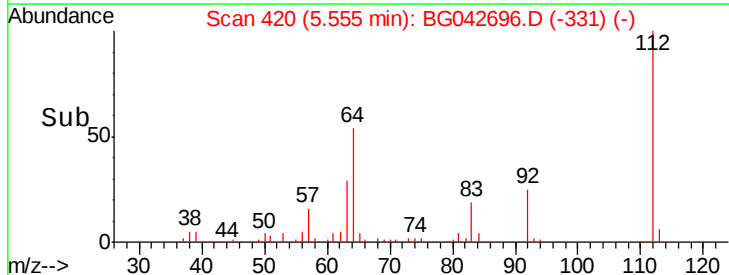
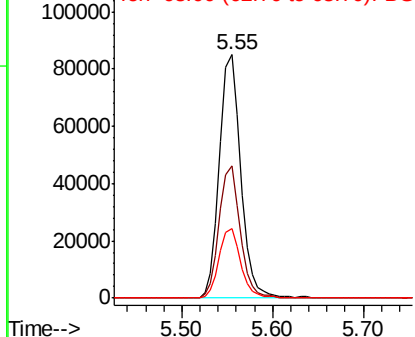
#5

2-Fluorophenol
Concen: 81.809 ng
RT: 5.55 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Tgt Ion:112 Resp: 139520
Ion Ratio Lower Upper
112 100
64 54.2 42.8 64.2
63 28.7 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 84.118 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

Instrument :

BNA_G

ClientSampled :

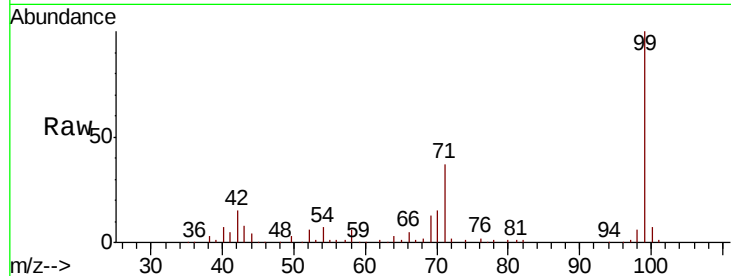
Tot Ion: 99 Resp: 193778

Ion Ratio Lower Upper

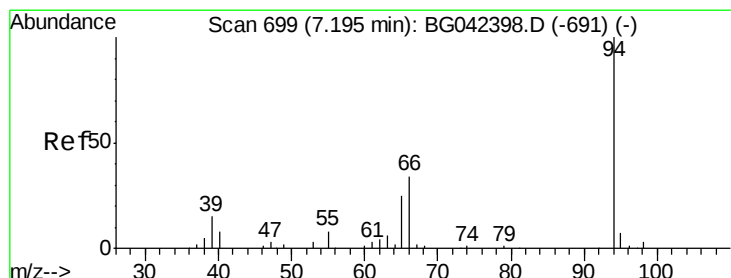
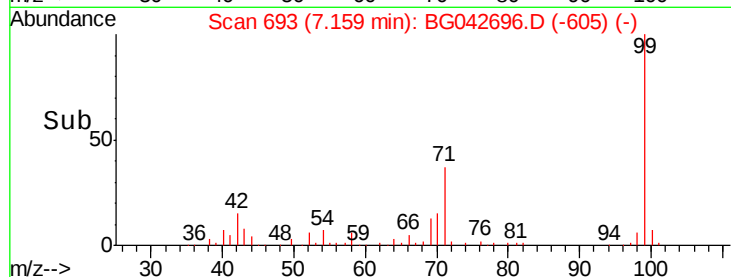
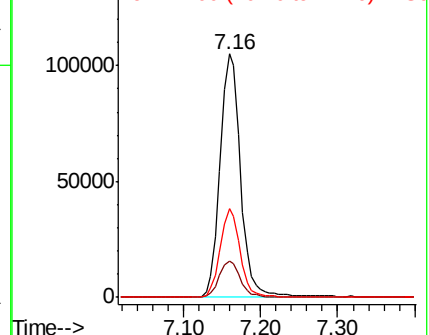
99 100

42 14.8 12.0 18.0

71 36.7 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: 3.391 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

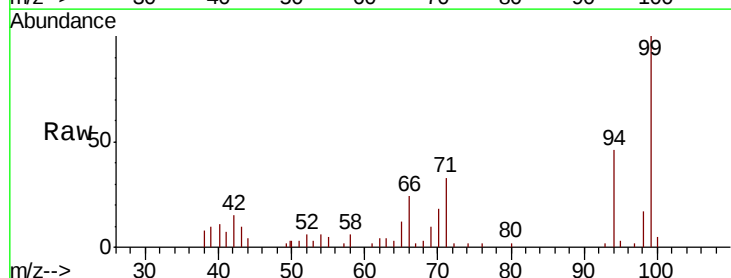
Tgt Ion: 94 Resp: 7942

Ion Ratio Lower Upper

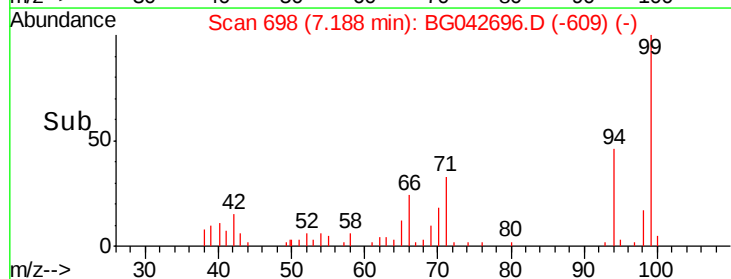
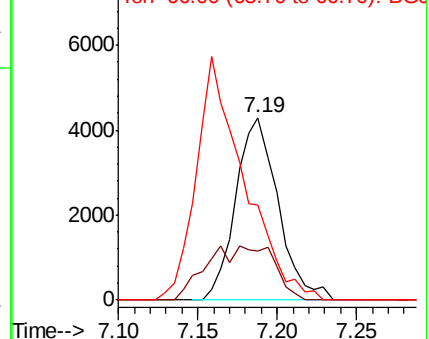
94 100

65 26.8 5.6 45.6

66 51.9 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

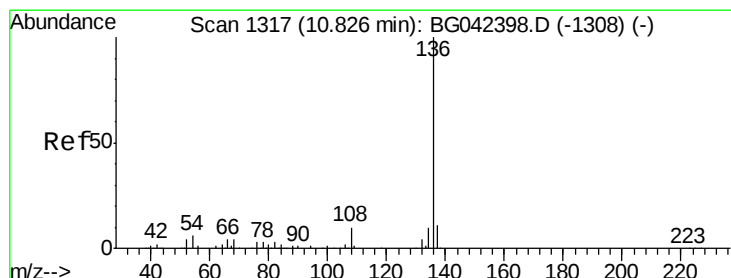
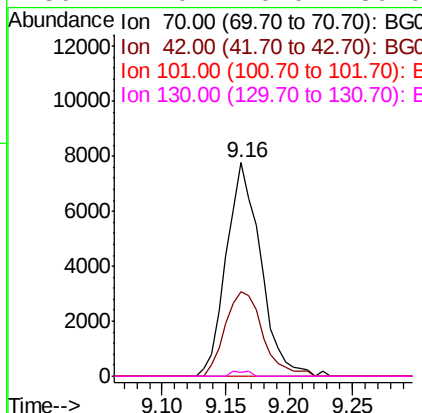
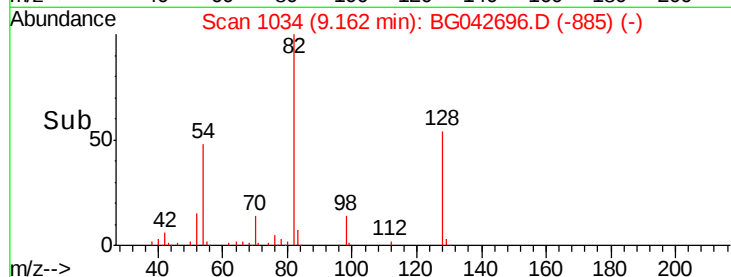
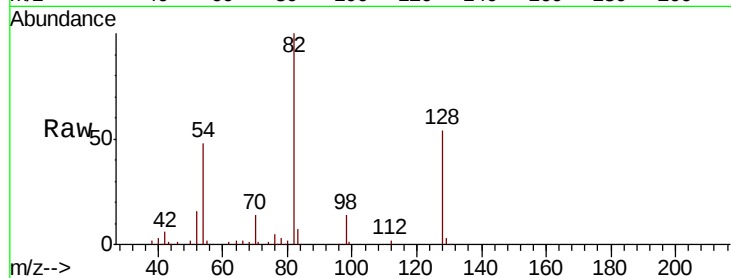




#19
n-Nitroso-di-n-propylamine
Concen: 9.776 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

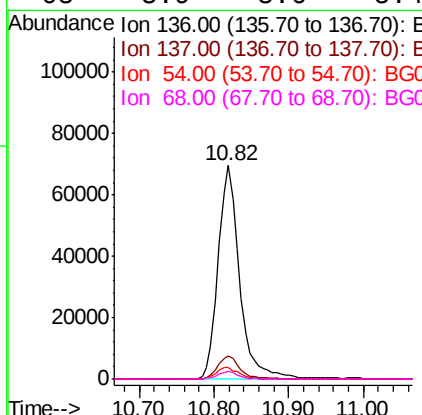
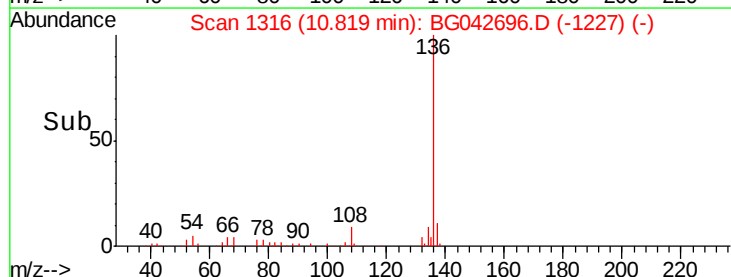
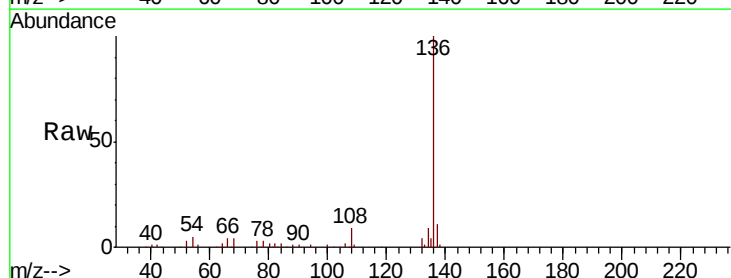
Instrument :
BNA_G
ClientSampled :

Tot Ion: 70 Resp: 14590
Ion Ratio Lower Upper
70 100
42 39.3 38.8 58.2
101 0.0 9.0 13.6#
130 2.0 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Tgt Ion: 136 Resp: 139490
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 5.3 4.9 7.3
68 3.9 3.6 5.4

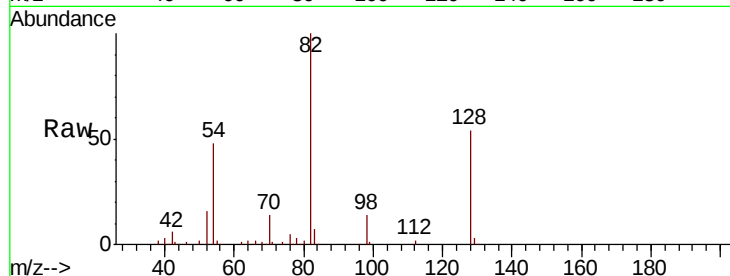




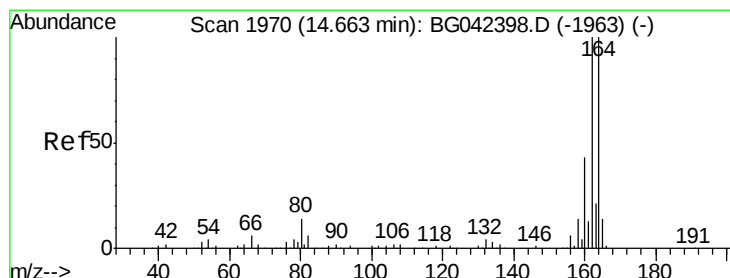
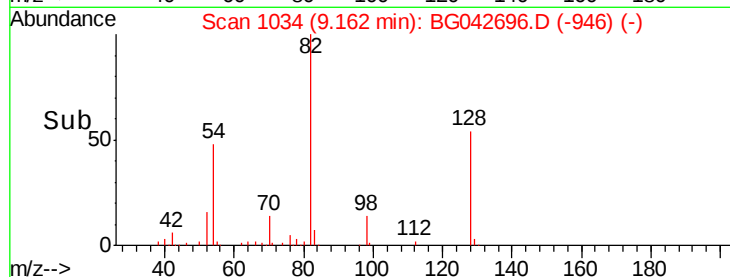
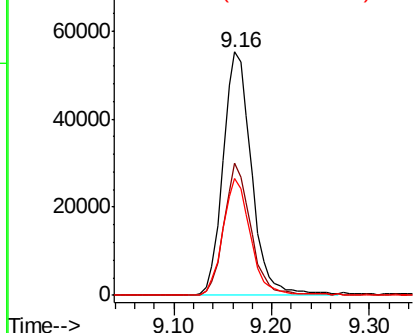
#23
 Nitrobenzene-d5
 Concen: 55.471 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042696.D
 Acq: 3 Sep 2019 19:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 111971
 Ion Ratio Lower Upper
 82 100
 128 54.1 40.7 61.1
 54 48.2 36.3 54.5

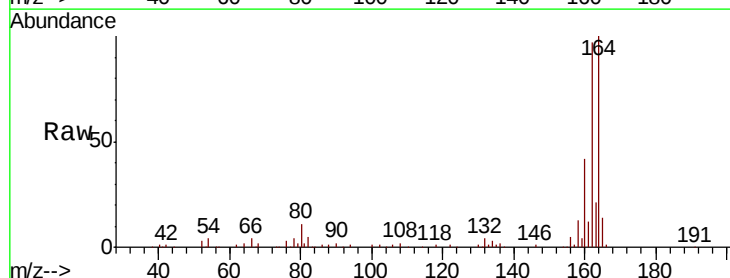


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

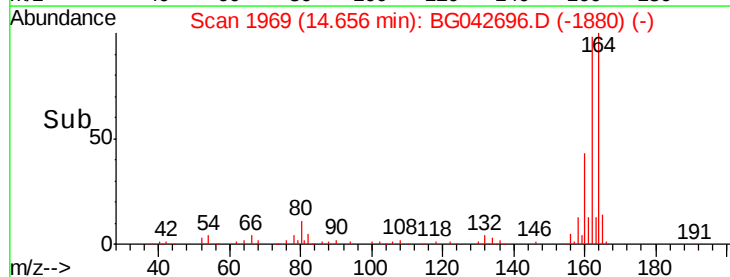
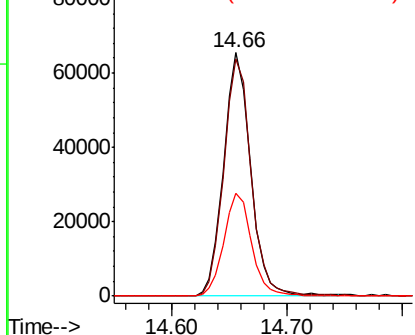


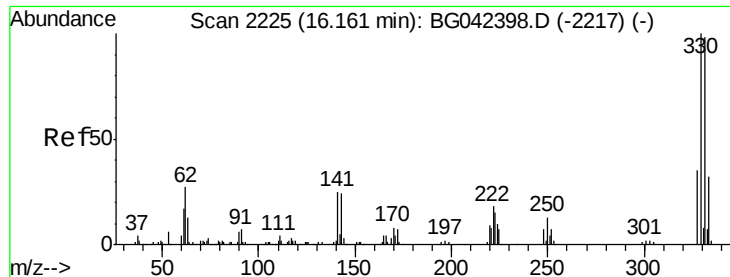
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BG042696.D
 Acq: 3 Sep 2019 19:46

Tgt Ion: 164 Resp: 106566
 Ion Ratio Lower Upper
 164 100
 162 97.4 79.9 119.9
 160 42.2 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: 87.429 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

Instrument :

BNA_G

ClientSampleId :

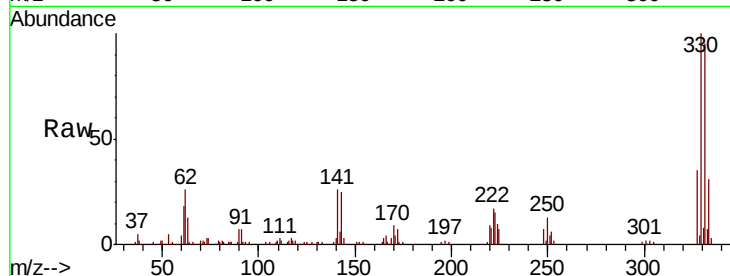
Tot Ion:330 Resp: 132426

Ion Ratio Lower Upper

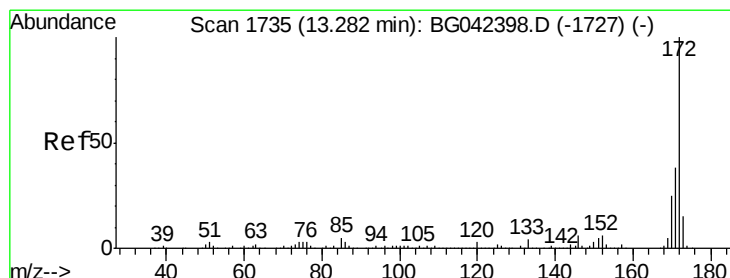
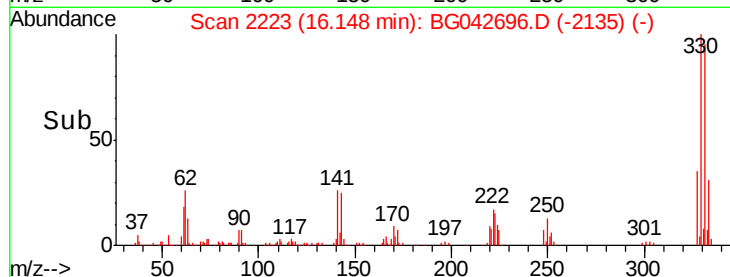
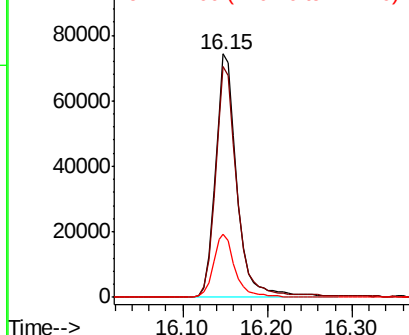
330 100

332 96.3 77.4 116.0

141 26.1 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: 51.399 ng

RT: 13.27 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

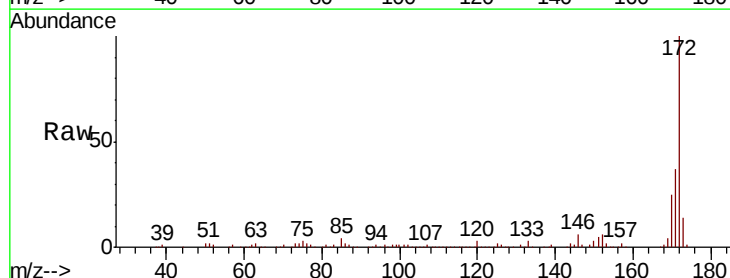
Tgt Ion:172 Resp: 323858

Ion Ratio Lower Upper

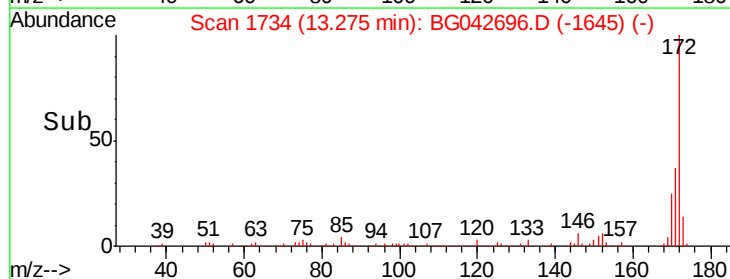
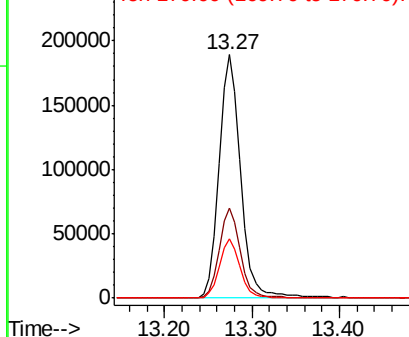
172 100

171 36.9 30.5 45.7

170 24.6 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

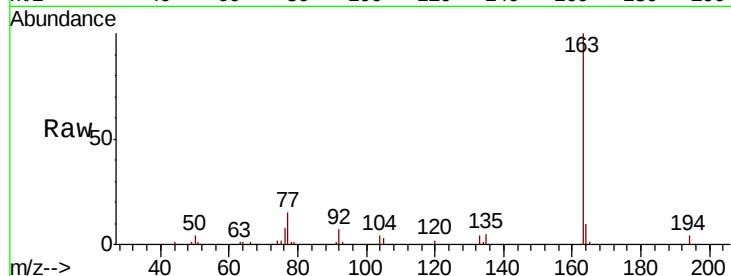




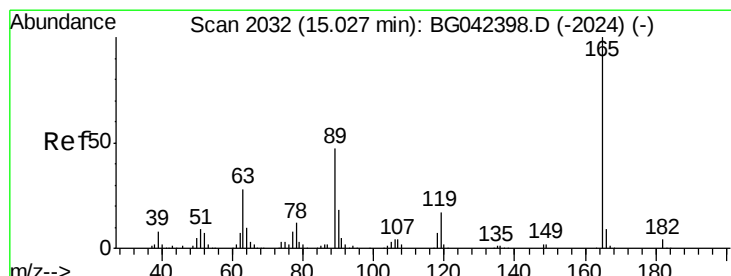
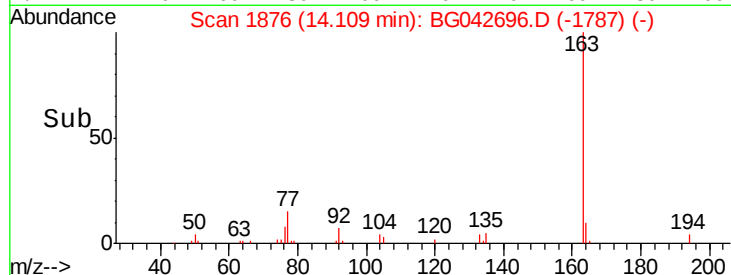
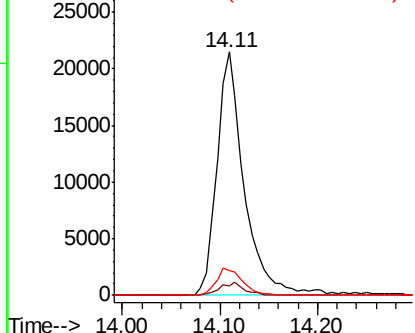
#50
Dimethylphthalate
Concen: 5.400 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 41521
Ion Ratio Lower Upper
163 100
194 4.0 4.2 6.2#
164 10.0 8.8 13.2

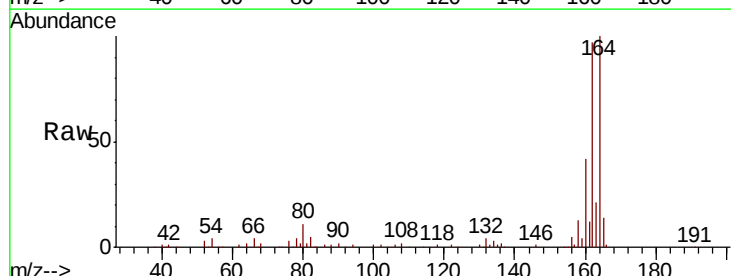


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

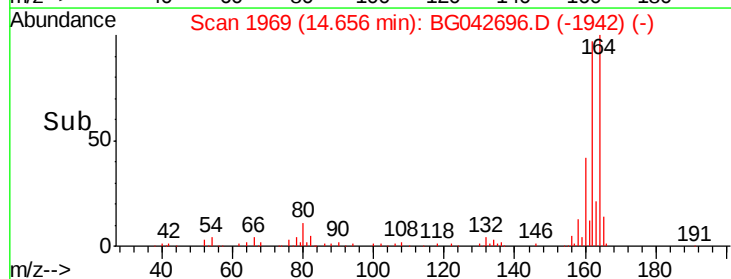
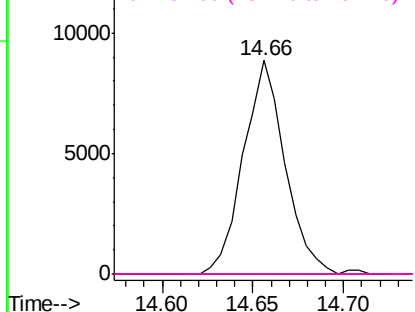


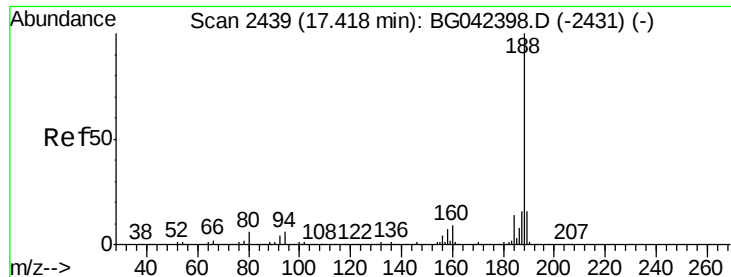
#57
2,4-Dinitrotoluene
Concen: 5.541 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.37 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Tgt Ion:165 Resp: 14141
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: BG042696.D

Acq: 3 Sep 2019 19:46

Instrument :

BNA_G

ClientSampleId :

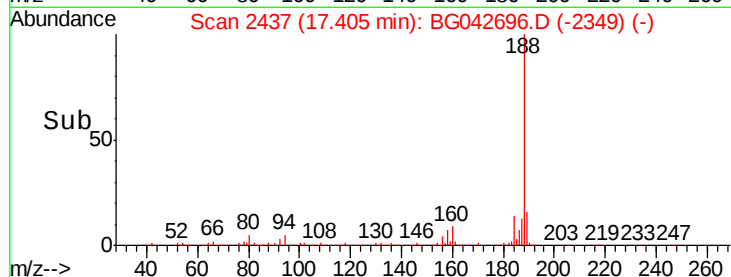
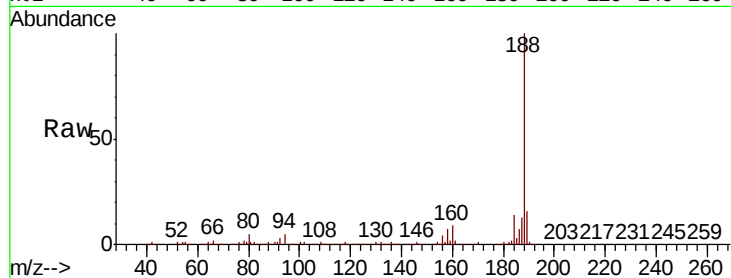
Tot Ion:188 Resp: 241692

Ion Ratio Lower Upper

188 100

94 5.1 4.5 6.7

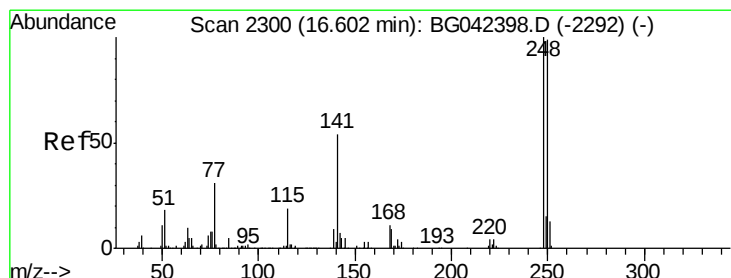
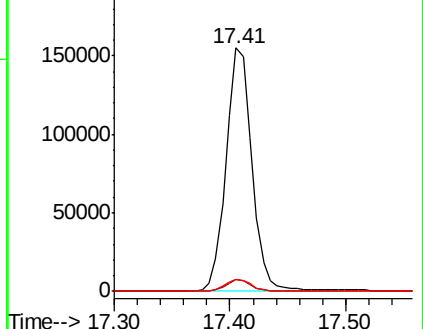
80 5.2 4.9 7.3



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: 2.786 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

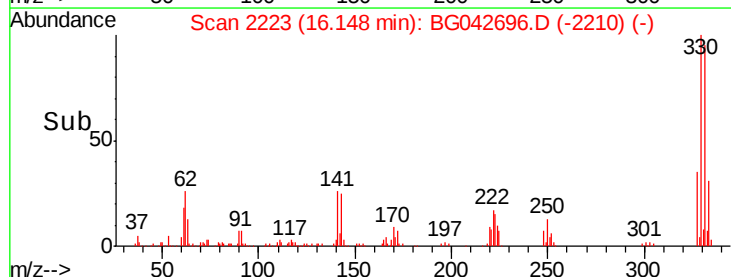
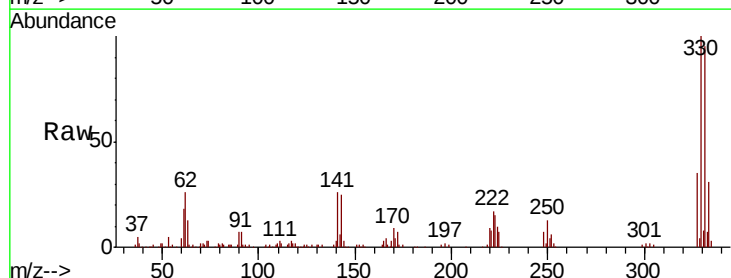
Tgt Ion:248 Resp: 8541

Ion Ratio Lower Upper

248 100

250 184.9 78.9 118.3#

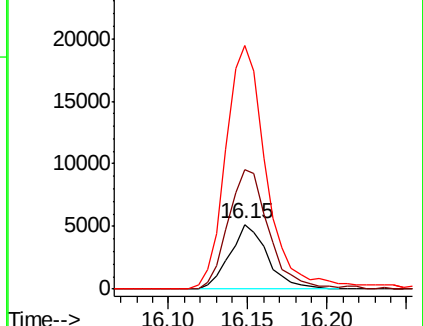
141 376.1 43.3 64.9#

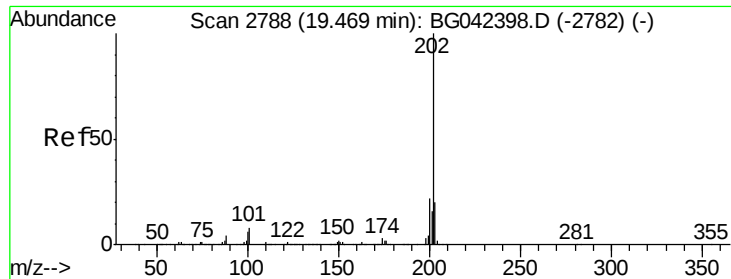


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 12.257 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

Instrument :

BNA_G

ClientSampleId :

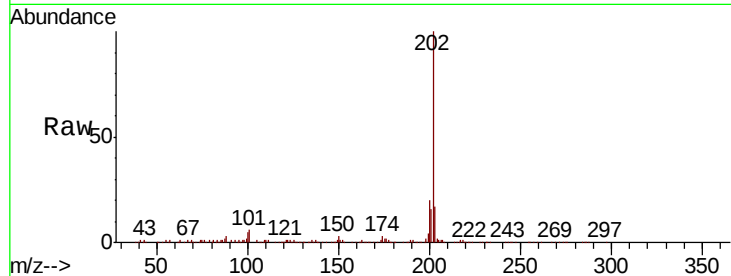
Tot Ion:202 Resp: 179587

Ion Ratio Lower Upper

202 100

101 5.9 0.0 28.3

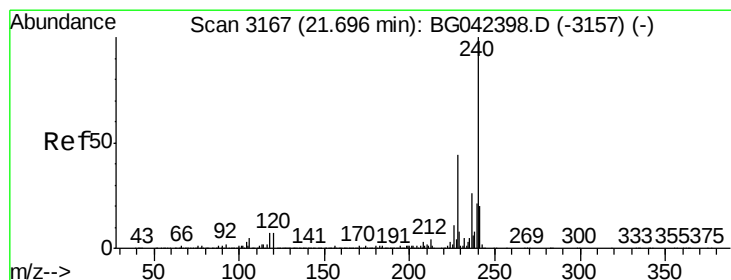
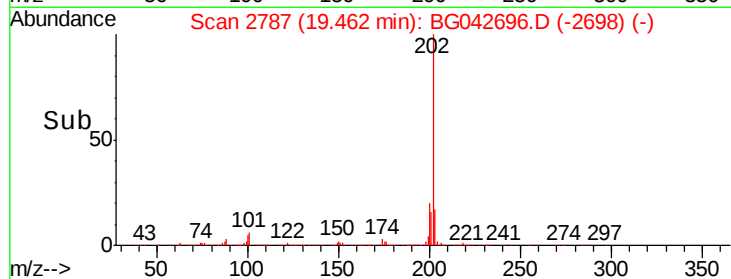
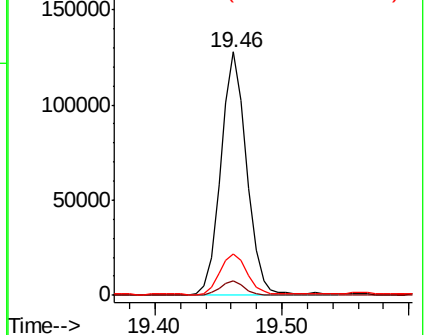
203 17.1 0.0 39.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

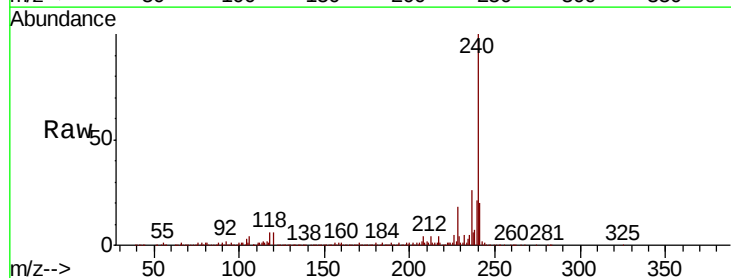
Tgt Ion:240 Resp: 261058

Ion Ratio Lower Upper

240 100

120 5.8 5.7 8.5

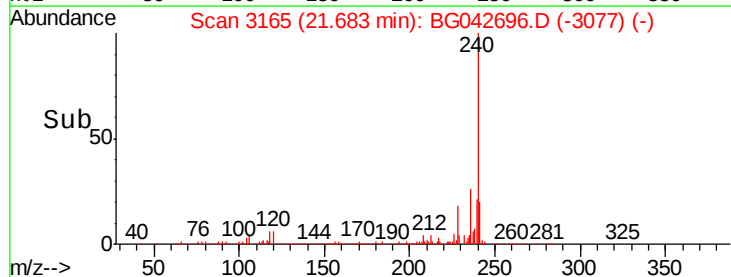
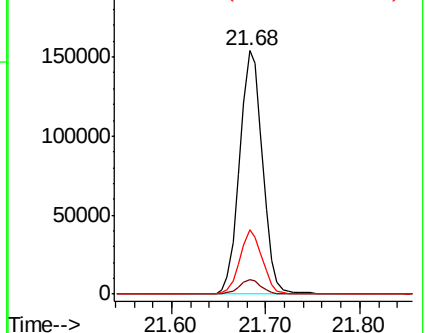
236 26.2 21.0 31.4

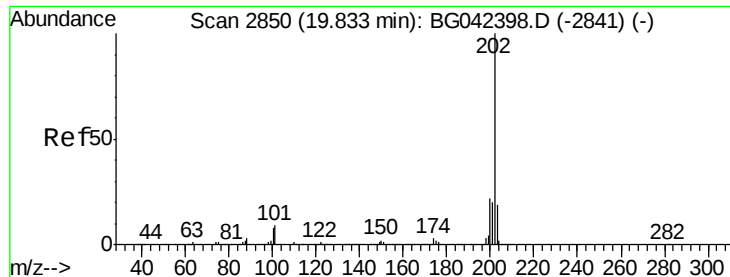


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

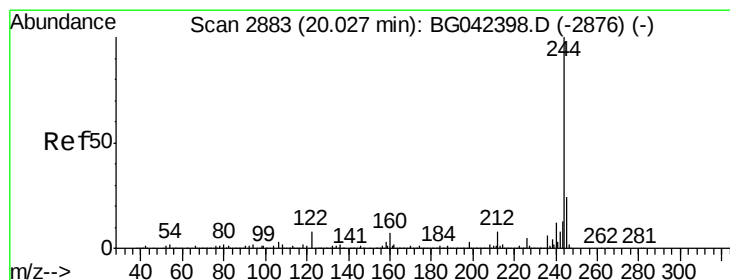
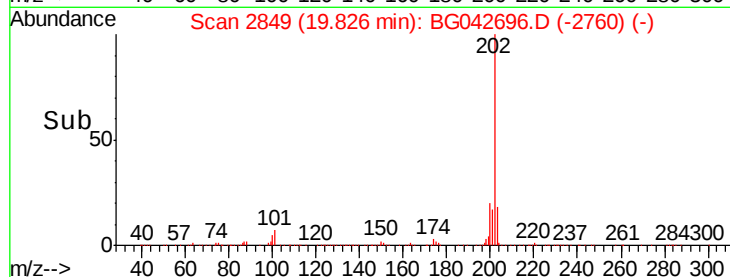
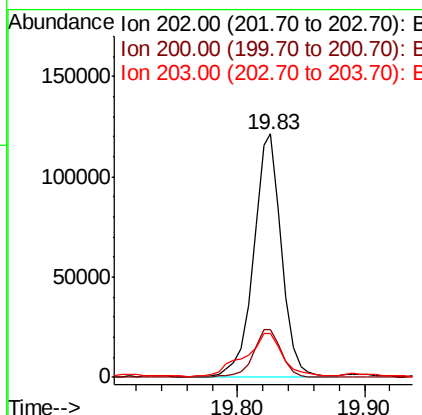
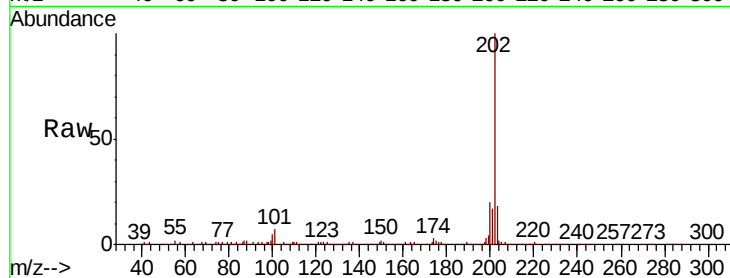




#78
Pvrene
Concen: 11.528 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

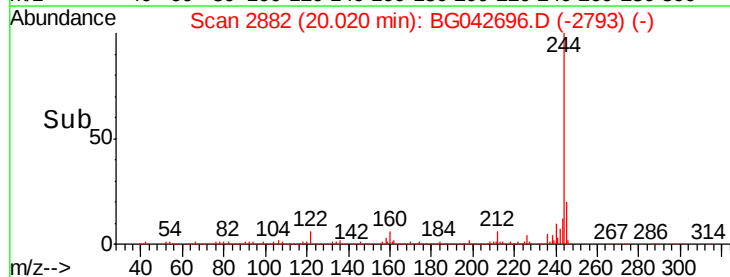
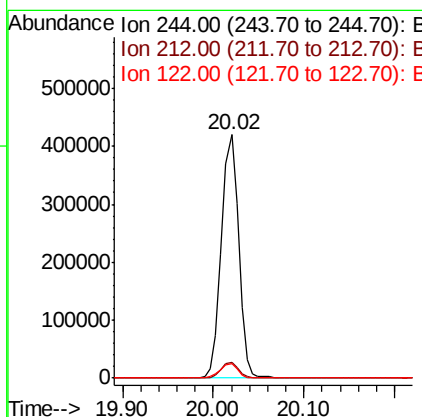
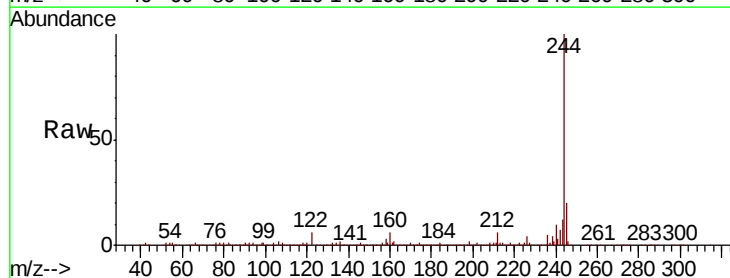
Instrument :
BNA_G
ClientSampleId :

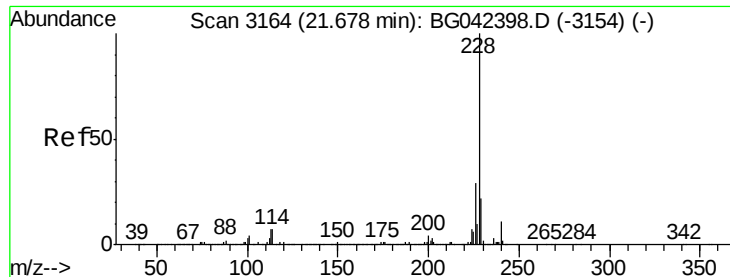
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.8	26.6
203	18.3	15.5	23.3



#79
Terphenyl-d14
Concen: 46.146 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	6.1	6.7	10.1

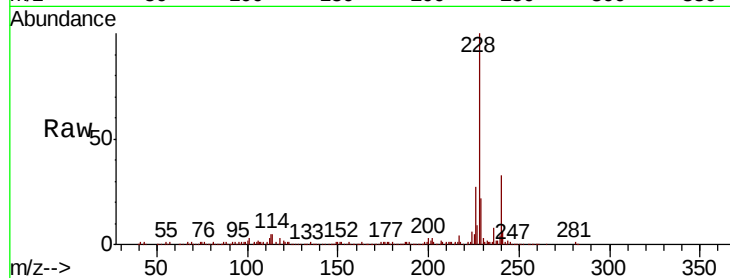




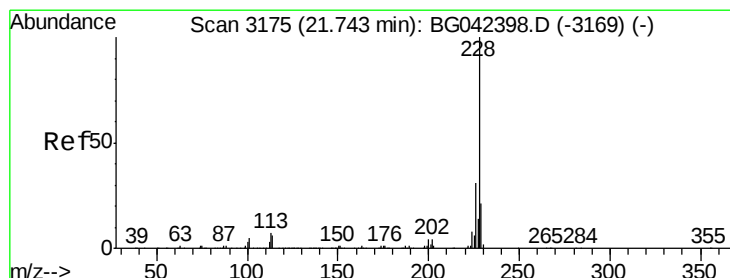
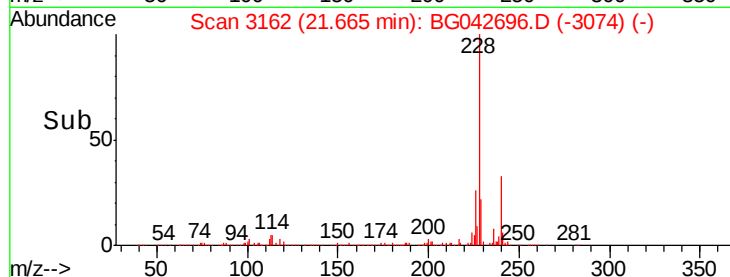
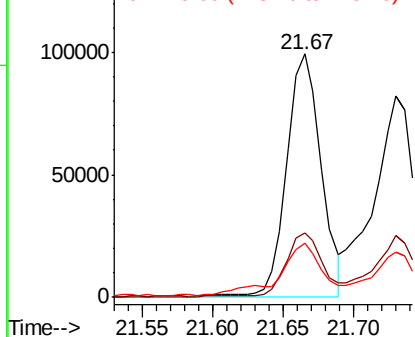
#81
Benzo(a)anthracene
Concen: 10.520 ng
RT: 21.67 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:228 Resp: 167058
Ion Ratio Lower Upper
228 100
226 26.5 23.4 35.2
229 22.2 17.4 26.2

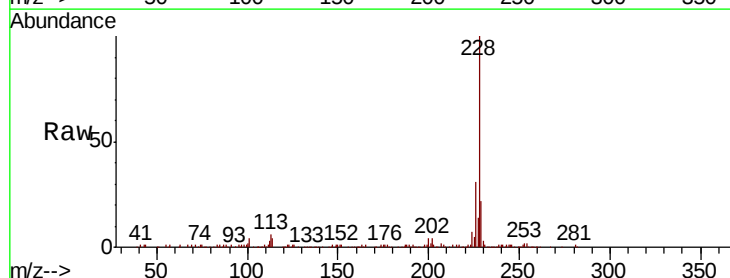


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

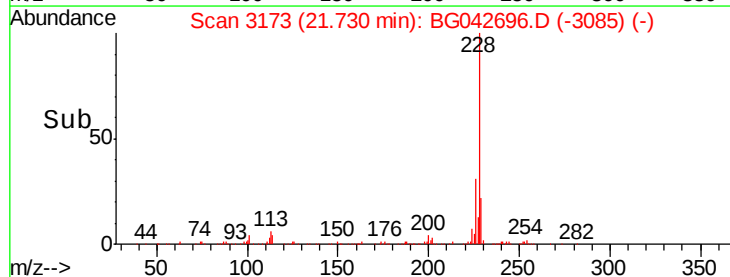
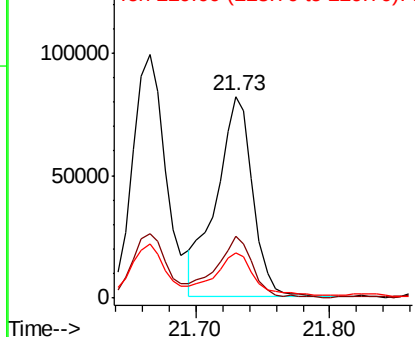


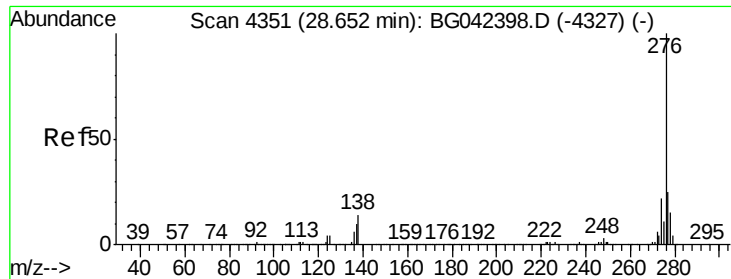
#83
Chrysene
Concen: 10.174 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Tgt Ion:228 Resp: 155813
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 22.3 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

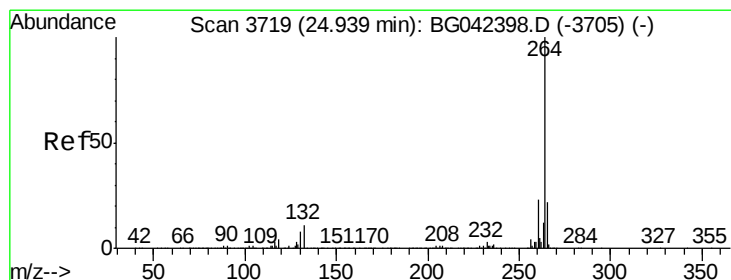
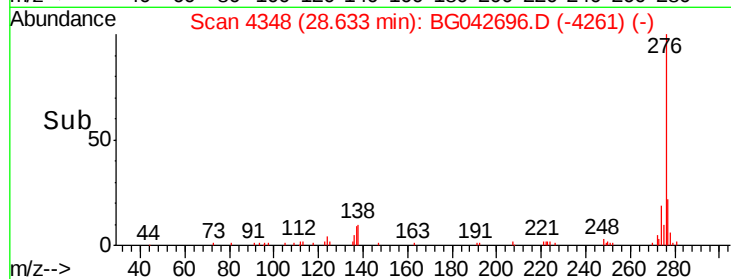
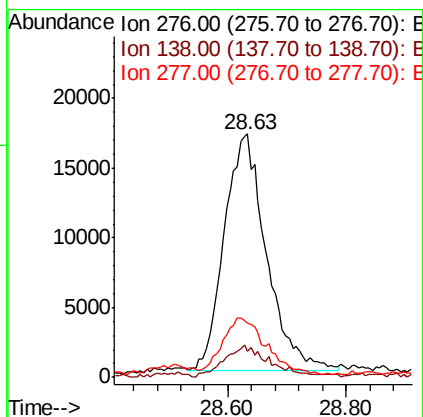
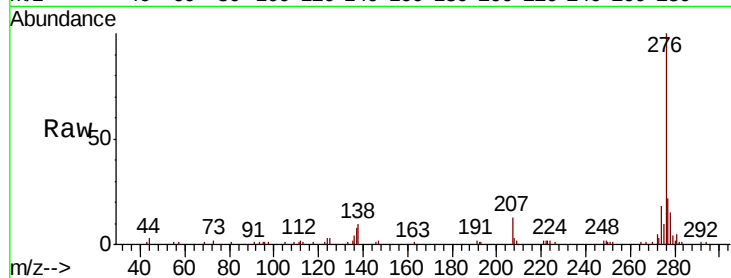




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.036 ng
RT: 28.63 min Scan# 4348
Delta R.T. -0.02 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

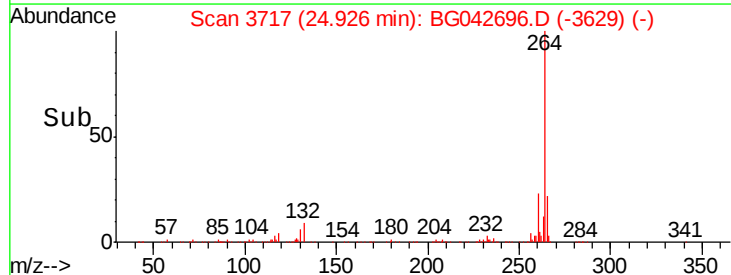
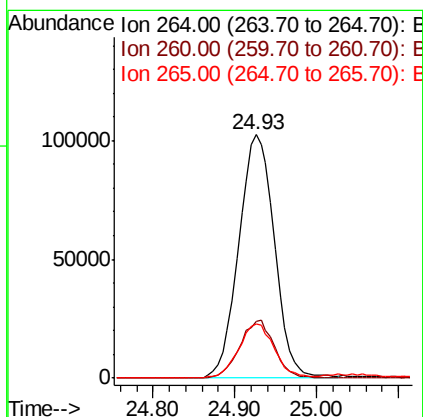
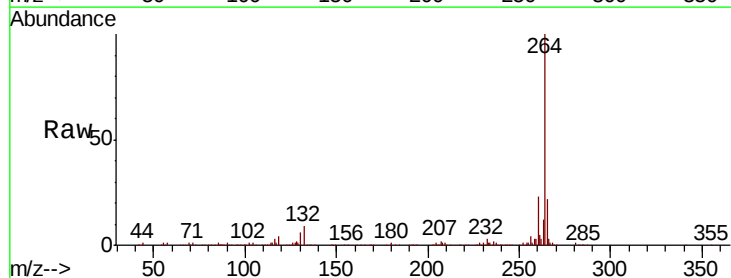
Instrument :
BNA_G
ClientSampleId :

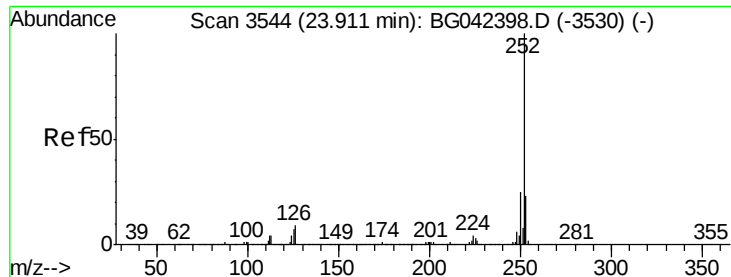
Tot Ion:276 Resp: 84002
Ion Ratio Lower Upper
276 100
138 14.2 9.2 13.8#
277 24.4 21.0 31.6



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Tgt Ion:264 Resp: 310597
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 22.4 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 14.470 ng

RT: 23.90 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

Instrument :

BNA_G

ClientSampleId :

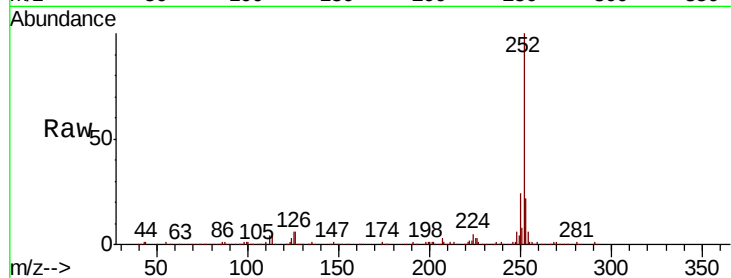
Tot Ion:252 Resp: 247081

Ion Ratio Lower Upper

252 100

253 22.0 18.6 27.8

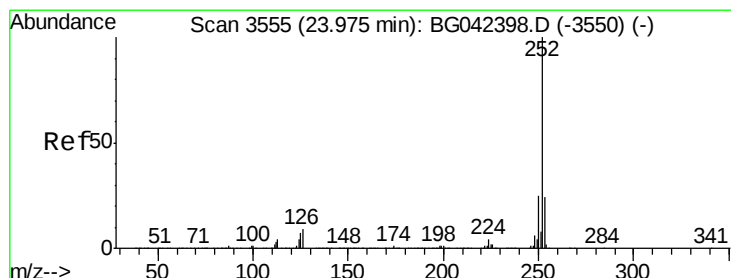
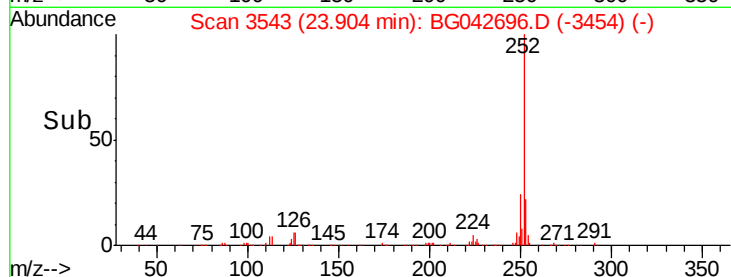
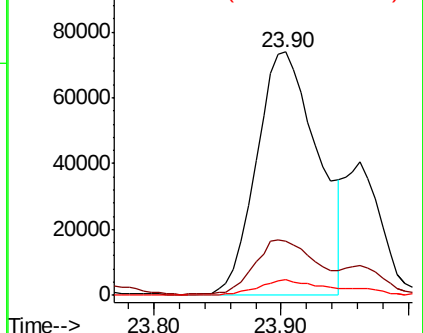
125 6.5 5.6 8.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 15.054 ng

RT: 23.90 min Scan# 3543

Delta R.T. -0.07 min

Lab File: BG042696.D

Acq: 3 Sep 2019 19:46

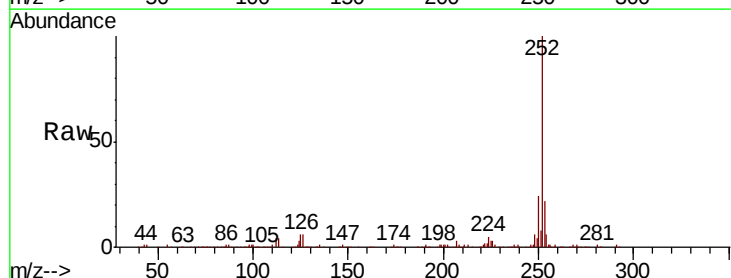
Tgt Ion:252 Resp: 247081

Ion Ratio Lower Upper

252 100

253 22.0 18.6 27.8

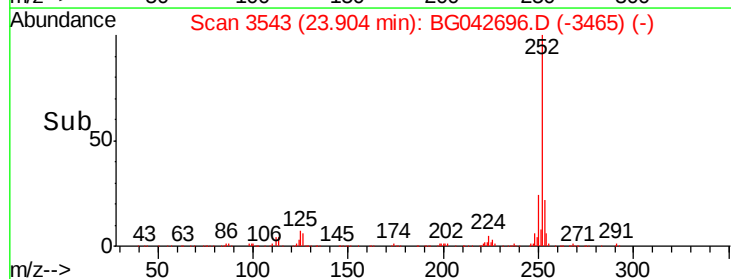
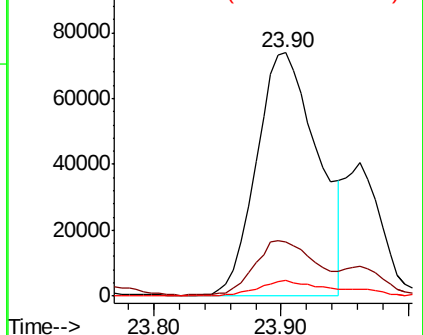
125 6.5 5.8 8.6

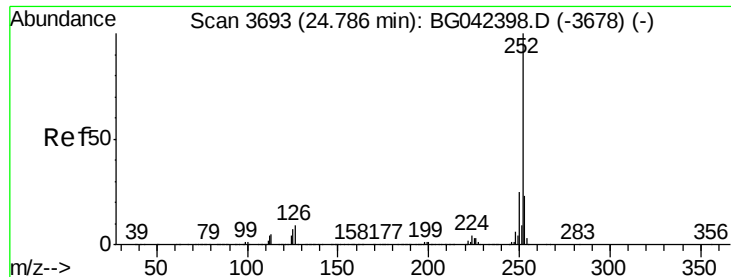


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

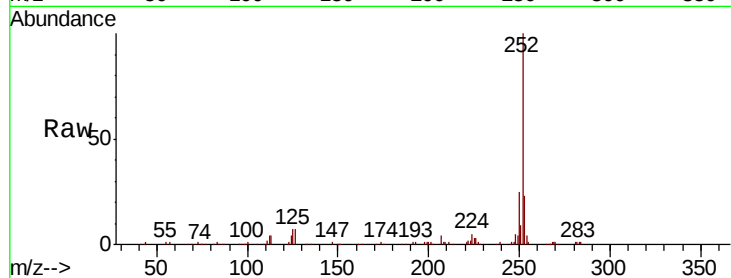




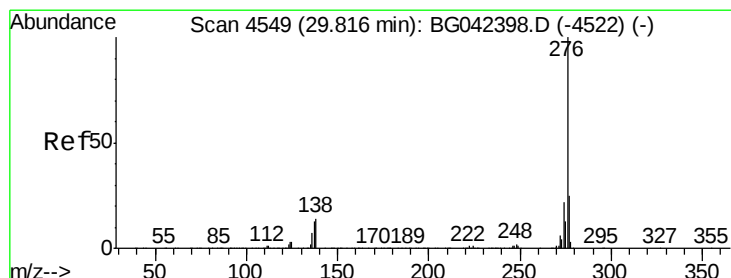
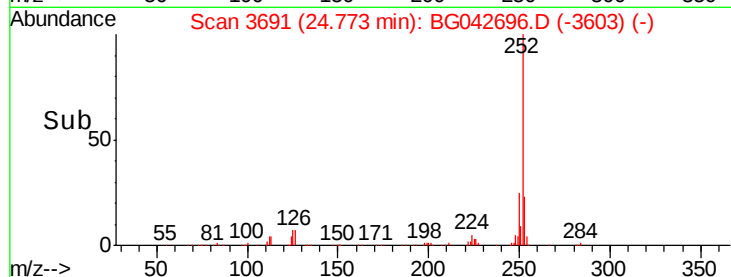
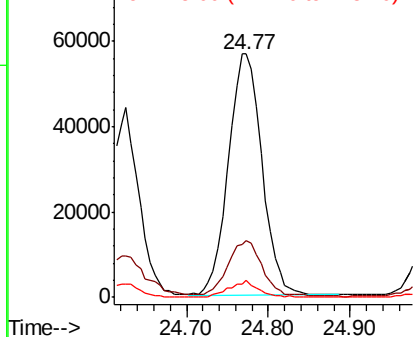
#90
Benzo(a)pyrene
Concen: 9.996 ng
RT: 24.77 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 161963
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 7.3 6.0 9.0

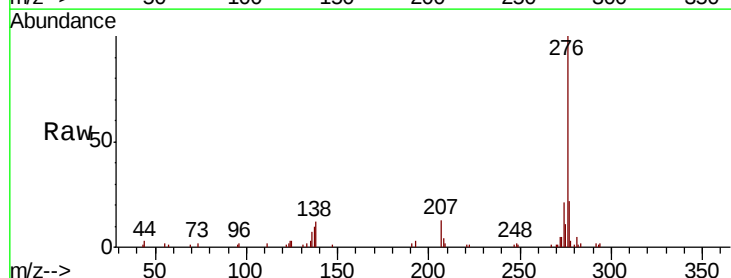


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.737 ng
RT: 29.79 min Scan# 4544
Delta R.T. -0.03 min
Lab File: BG042696.D
Acq: 3 Sep 2019 19:46

Tgt Ion:276 Resp: 77728
Ion Ratio Lower Upper
276 100
277 22.3 19.8 29.8
138 11.7 11.4 17.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

