

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
 Data File : BG042552.D
 Acq On : 29 Aug 2019 3:57
 Operator : HP/JU
 Sample : K4543-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 29 06:02:24 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	33586	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	126224	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	93054	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	241092	20.00	ng	0.00
76) Chrysene-d12	21.68	240	297885	20.00	ng	-0.01
87) Perylene-d12	24.92	264	356734	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	152235	91.80	ng	0.00
7) Phenol-d6	7.16	99	199355	89.00	ng	-0.01
23) Nitrobenzene-d5	9.16	82	111831	61.22	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	135445	102.41	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	351183	63.83	ng	0.00
79) Terphenyl-d14	20.02	244	781595	56.72	ng	0.00

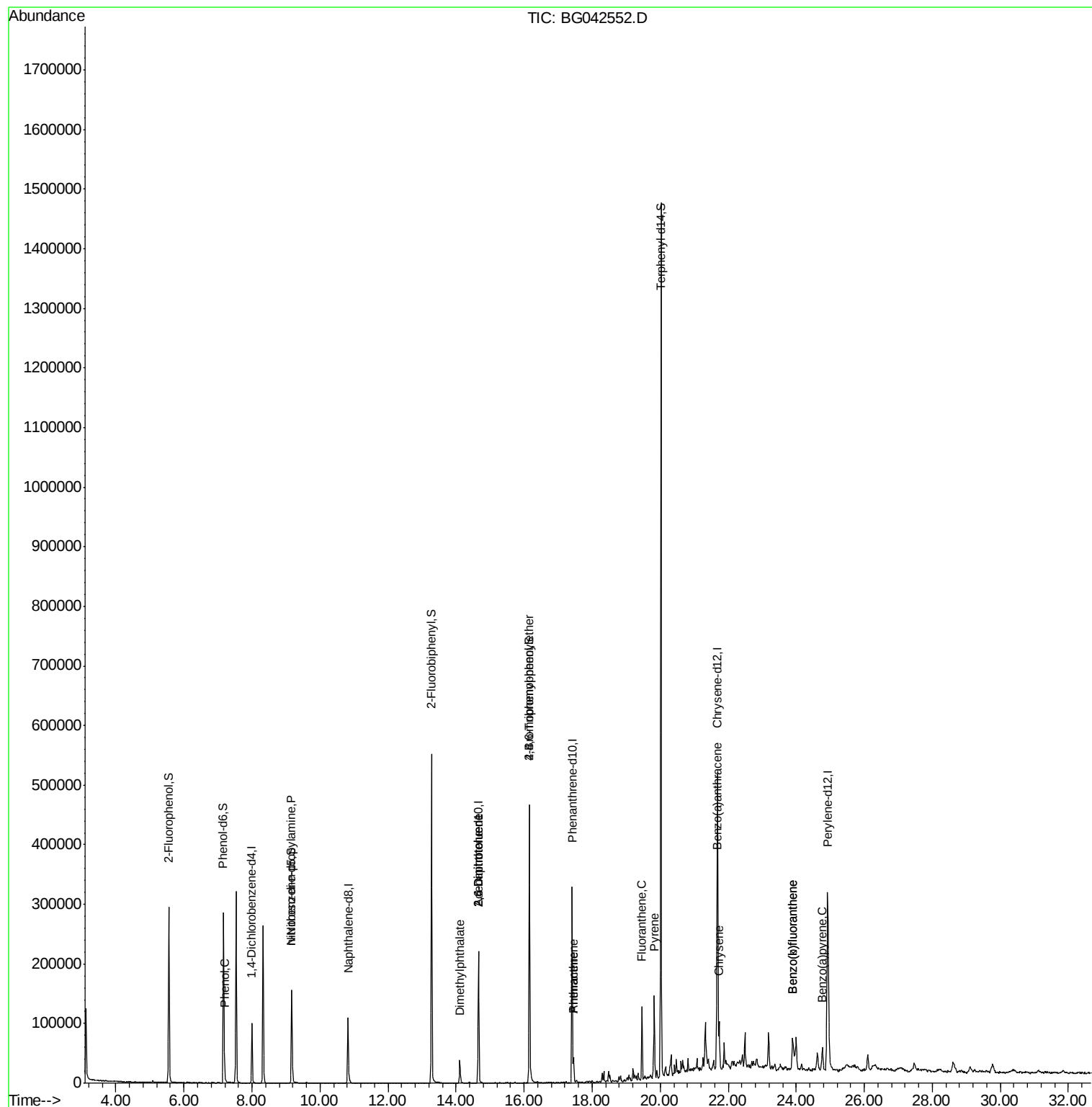
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	12794	5.617	ng	94
19) n-Nitroso-di-n-propylamine	9.17	70	14616	10.072	ng	# 72
50) Dimethylphthalate	14.11	163	44225	6.587	ng	99
51) 2,6-Dinitrotoluene	14.66	165	11731	7.538	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	11731	5.264	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	9256	3.027	ng	# 1
71) Phenanthrene	17.45	178	29720	2.482	ng	95
72) Anthracene	17.45	178	29720	2.486	ng	95
75) Fluoranthene	19.46	202	86561	5.923	ng	95
78) Pyrene	19.83	202	91686	5.020	ng	96
81) Benzo(a)anthracene	21.67	228	57653	3.182	ng	96
83) Chrysene	21.73	228	58582	3.352	ng	97
88) Benzo(b)fluoranthene	23.89	252	69013	3.519	ng	100
89) Benzo(k)fluoranthene	23.89	252	69013	3.661	ng	100
90) Benzo(a)pyrene	24.77	252	45377	2.438	ng	99

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

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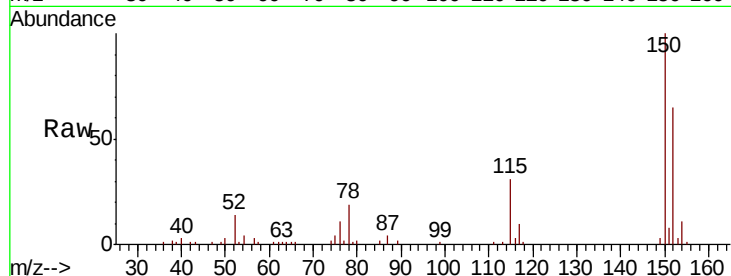


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	125.4	188.0
115	47.6	38.5	57.7

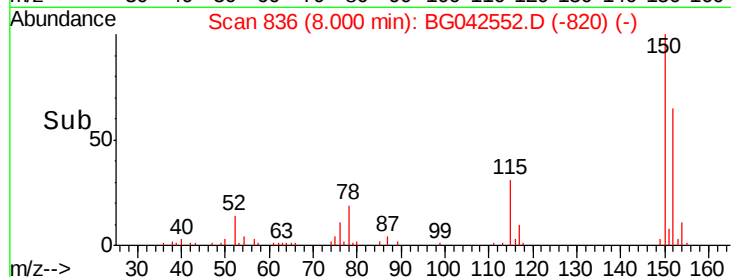
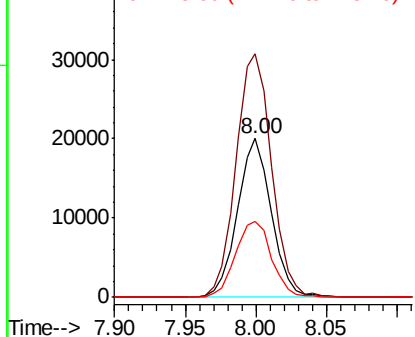


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

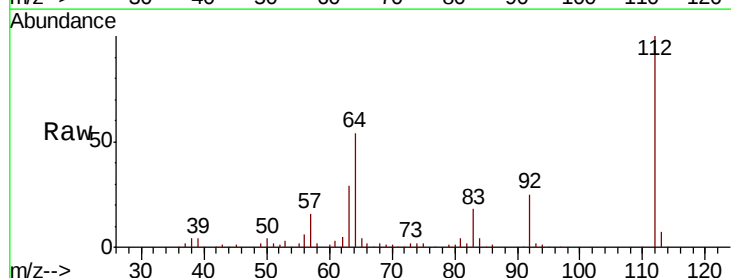
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.800 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	42.8	64.2
63	28.7	22.7	34.1

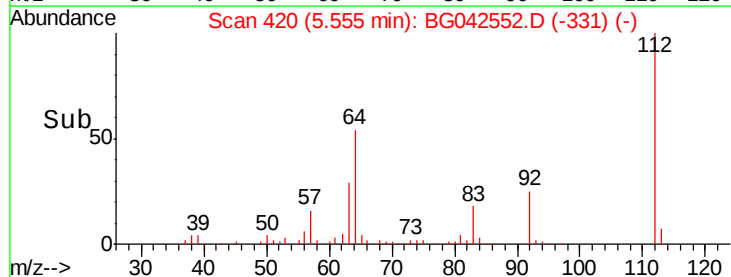
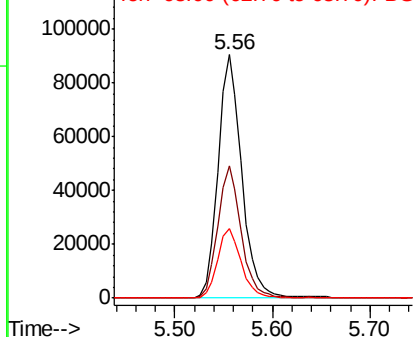


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 88.997 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

Instrument :

BNA_G

ClientSampleId :

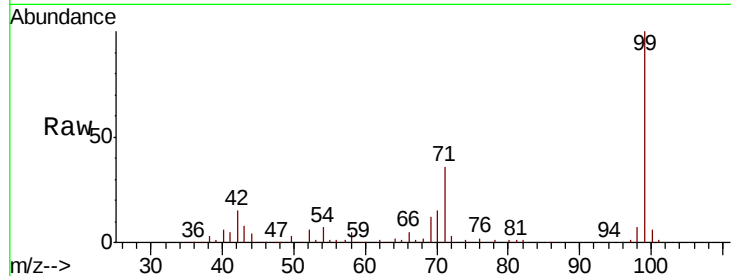
Tot Ion: 99 Resp: 199355

Ion Ratio Lower Upper

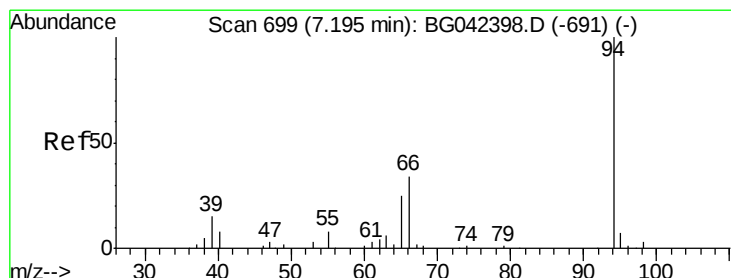
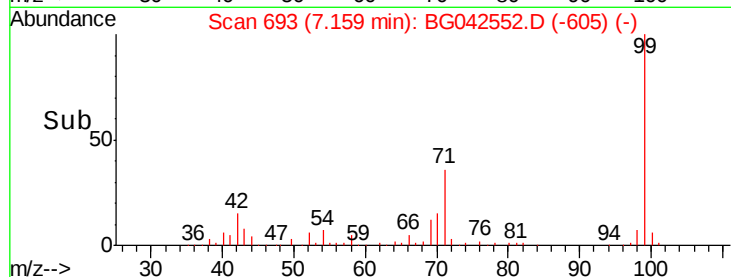
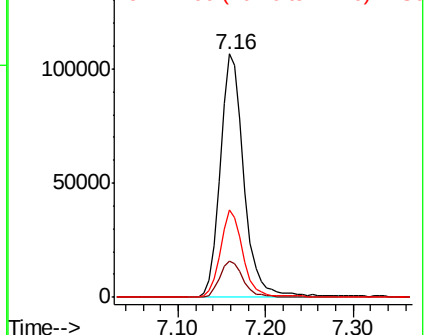
99 100

42 15.0 12.0 18.0

71 36.1 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: 5.617 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

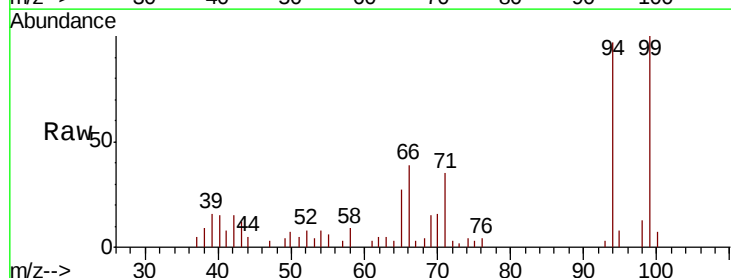
Tgt Ion: 94 Resp: 12794

Ion Ratio Lower Upper

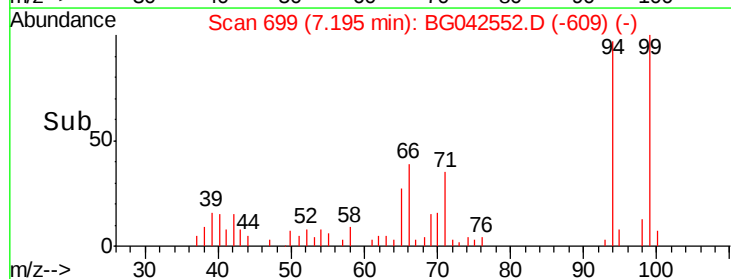
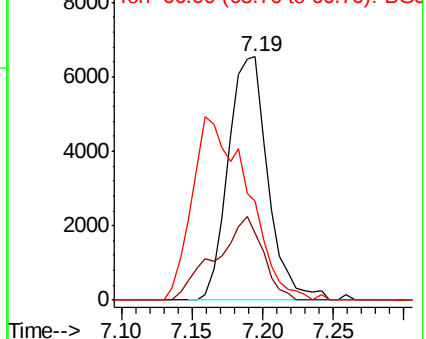
94 100

65 27.8 5.6 45.6

66 40.6 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

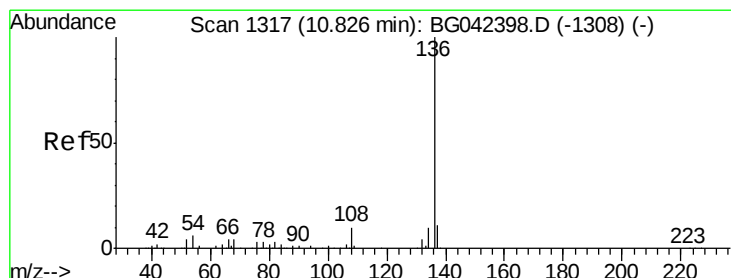
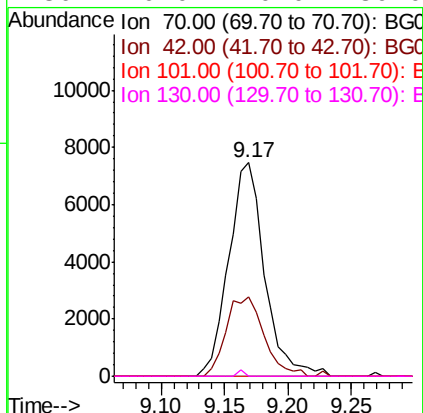
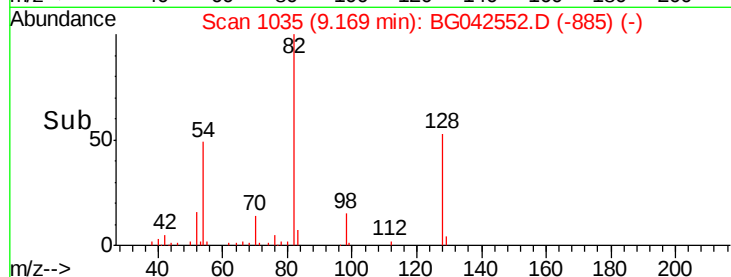
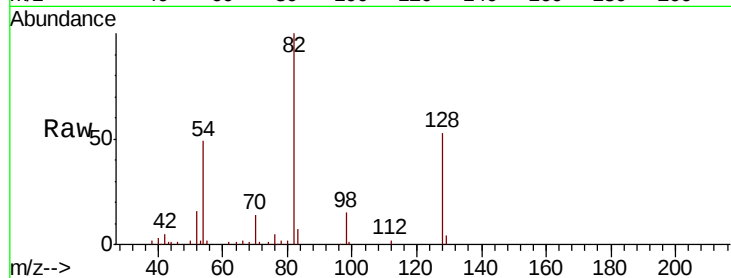




#19
n-Nitroso-di-n-propylamine
Concen: 10.072 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

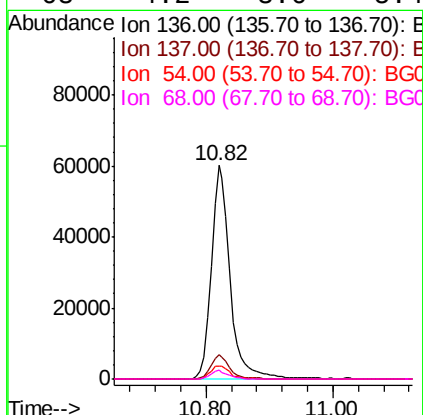
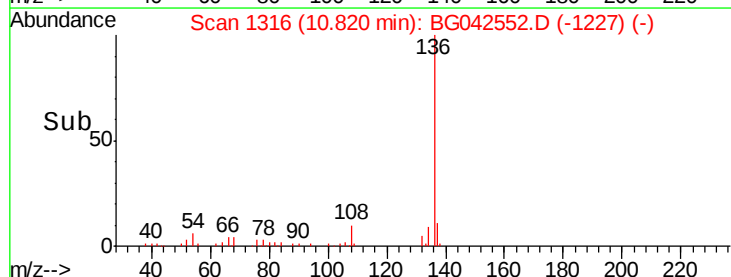
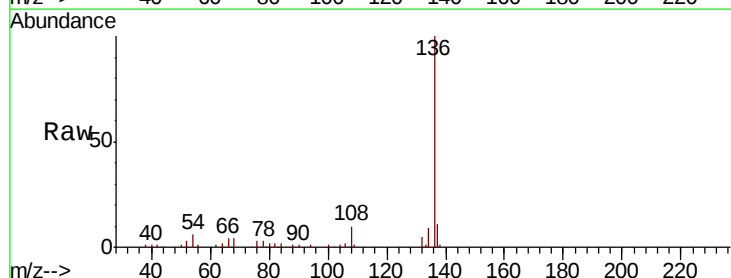
Instrument :
BNA_G
ClientSampled :

Tot Ion: 70 Resp: 14616
Ion Ratio Lower Upper
70 100
42 37.3 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. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Tgt Ion: 136 Resp: 126224
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 6.2 4.9 7.3
68 4.2 3.6 5.4

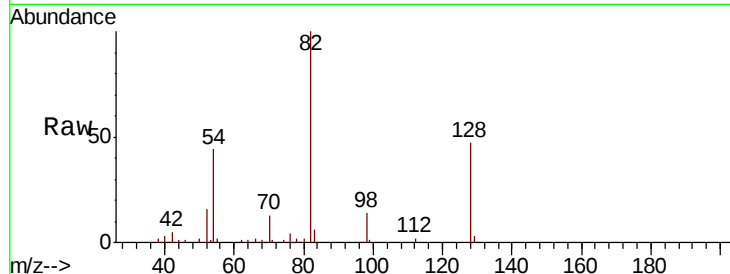




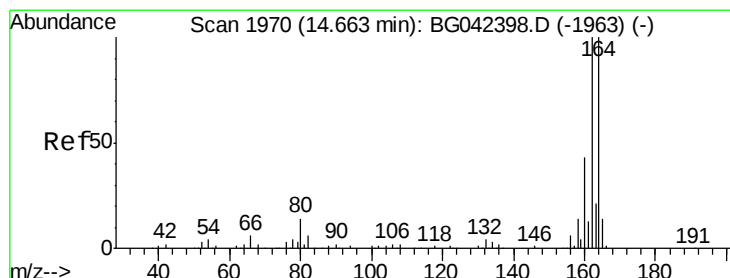
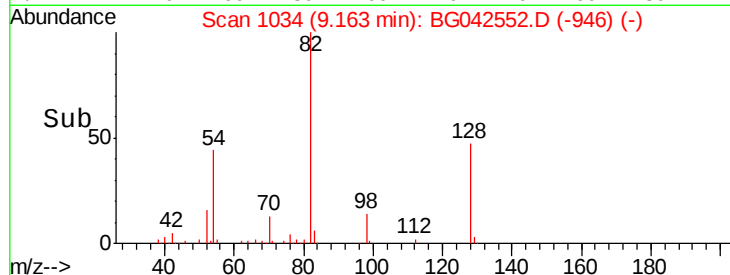
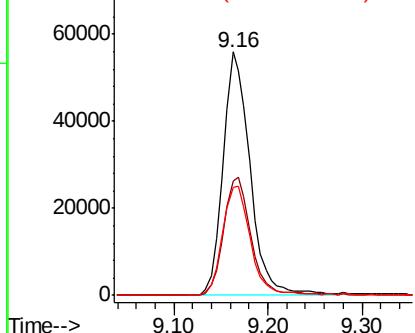
#23
Nitrobenzene-d5
Concen: 61.224 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	111831
Ion Ratio	Lower	Upper	
82	100		
128	46.9	40.7	61.1
54	44.1	36.3	54.5

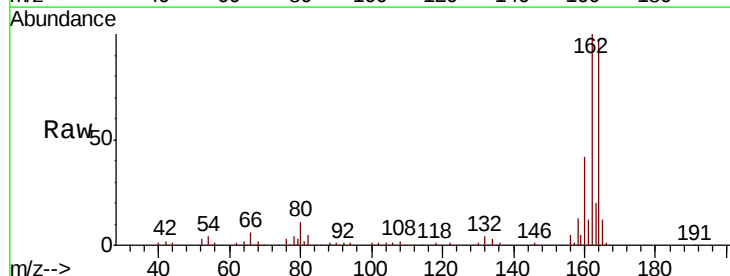


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

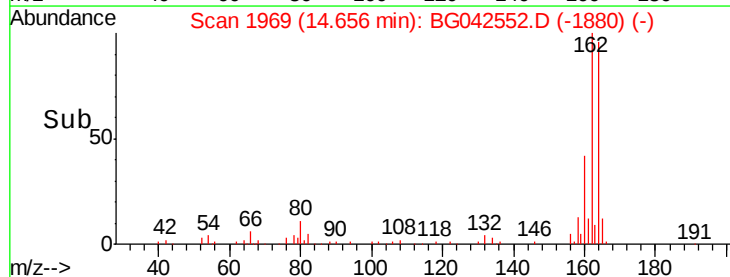
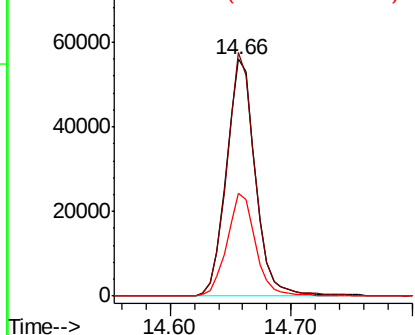


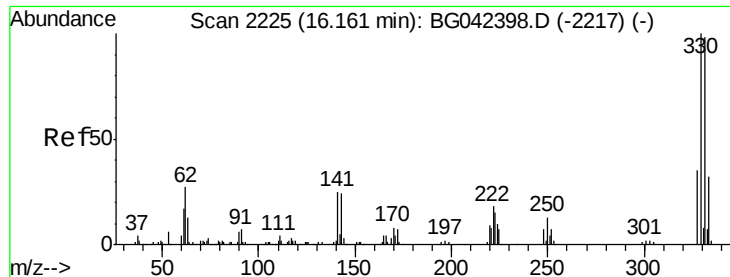
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Tgt Ion	164	Resp	93054
Ion Ratio	Lower	Upper	
164	100		
162	102.7	79.9	119.9
160	43.3	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

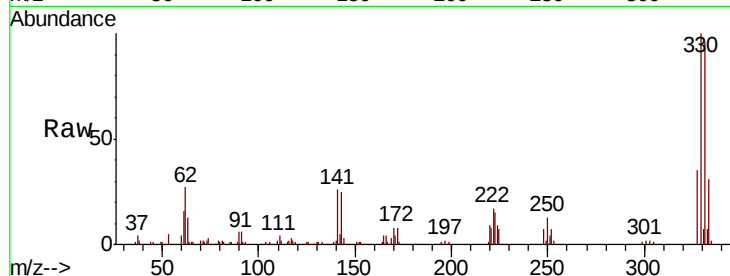




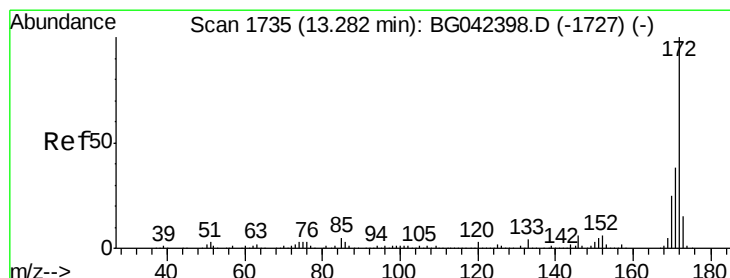
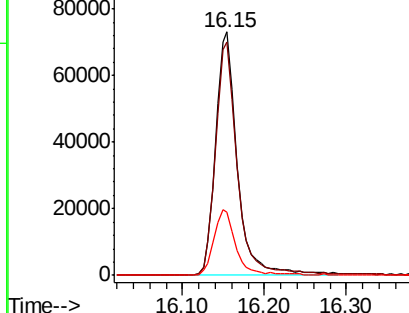
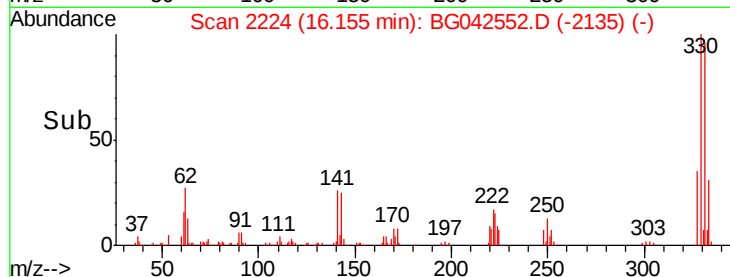
#42
 2,4,6-Tribromophenol
 Concen: 102.407 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042552.D
 Acq: 29 Aug 2019 3:57

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.0
141	27.4	21.4	32.0

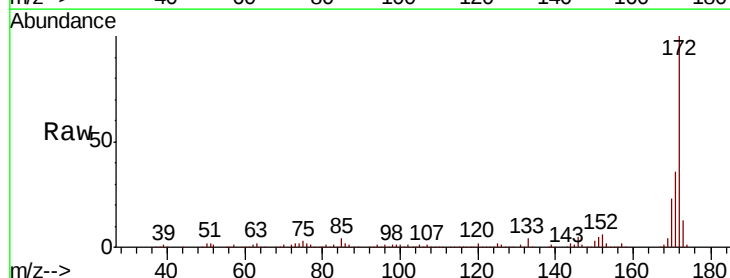


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

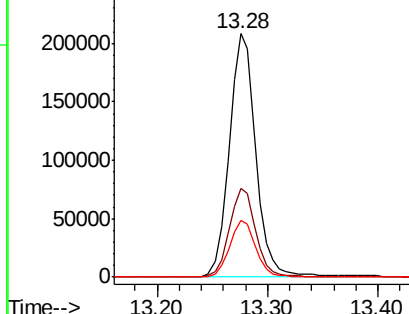
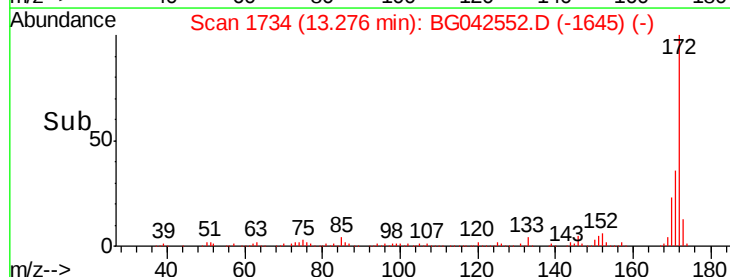


#45
 2-Fluorobiphenyl
 Concen: 63.829 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042552.D
 Acq: 29 Aug 2019 3:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	23.3	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

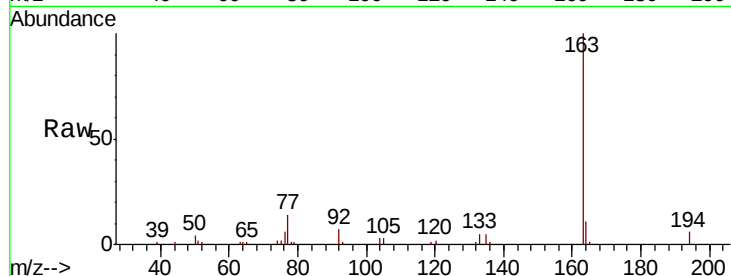




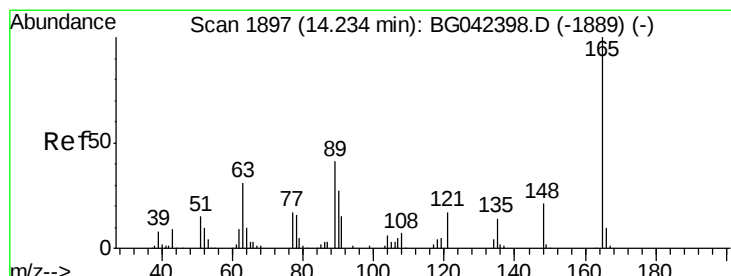
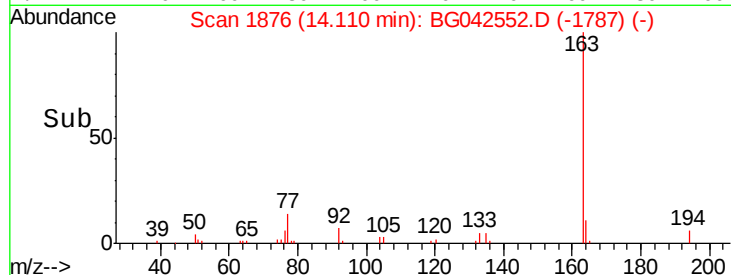
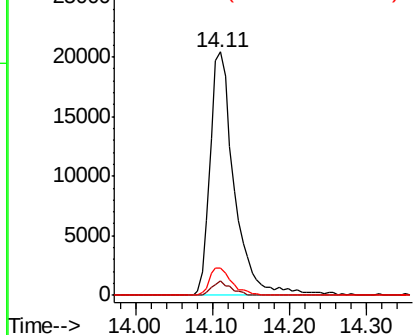
#50
Dimethylphthalate
Concen: 6.587 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 44225
Ion Ratio Lower Upper
163 100
194 5.7 4.2 6.2
164 11.3 8.8 13.2

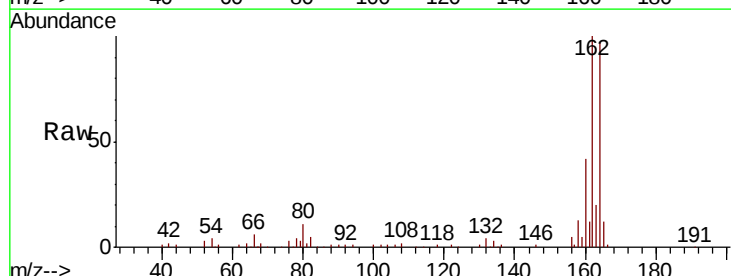


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

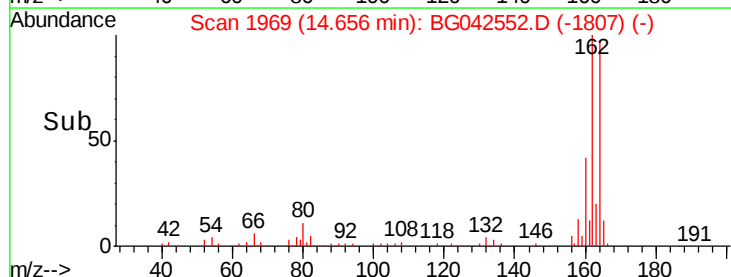
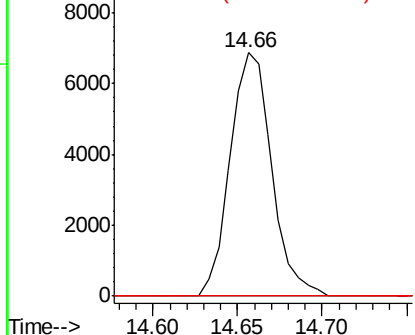


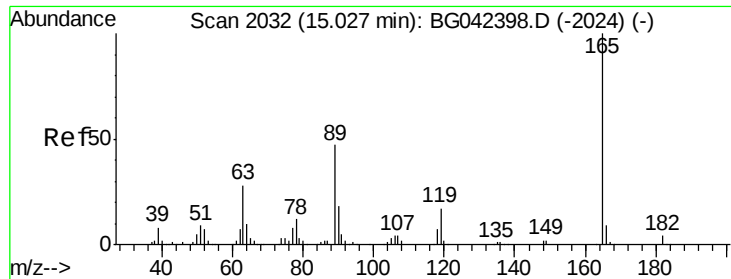
#51
2,6-Dinitrotoluene
Concen: 7.538 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.42 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Tgt Ion:165 Resp: 11731
Ion Ratio Lower Upper
165 100
63 0.0 30.6 45.8#
89 0.0 32.6 49.0#



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

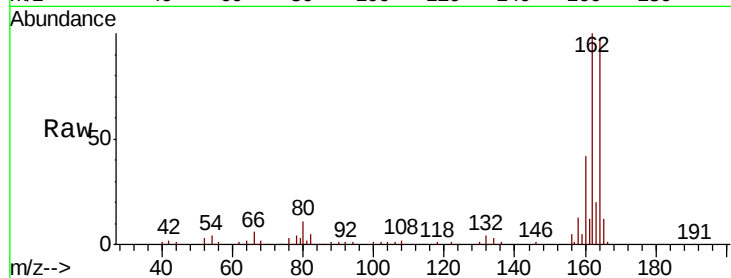




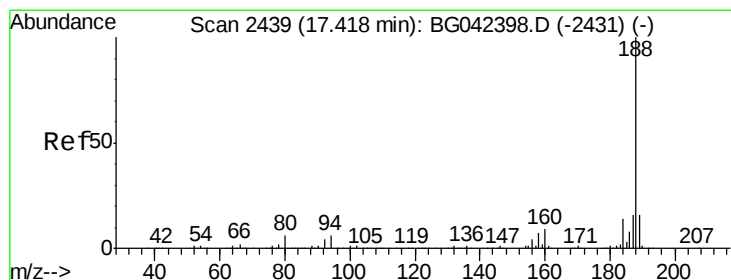
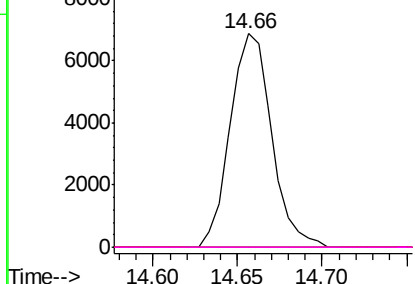
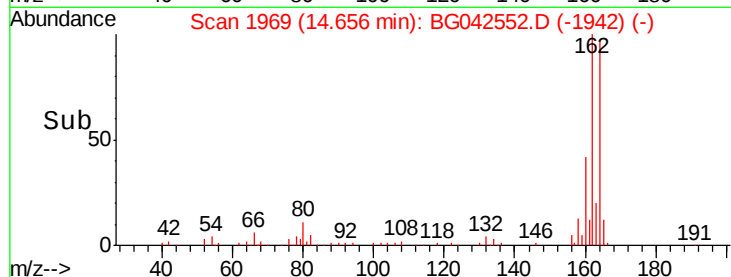
#57
 2,4-Dinitrotoluene
 Concen: 5.264 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042552.D
 Acq: 29 Aug 2019 3:57

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 11731
 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#

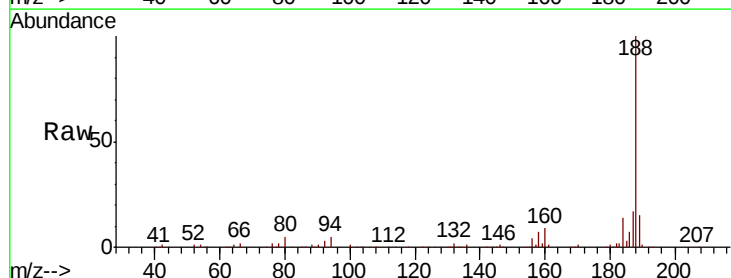


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

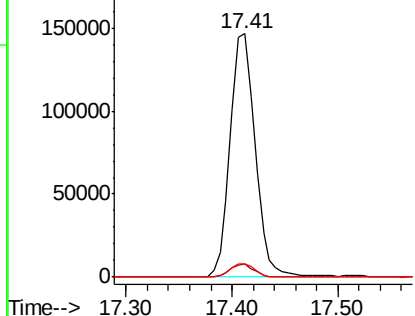
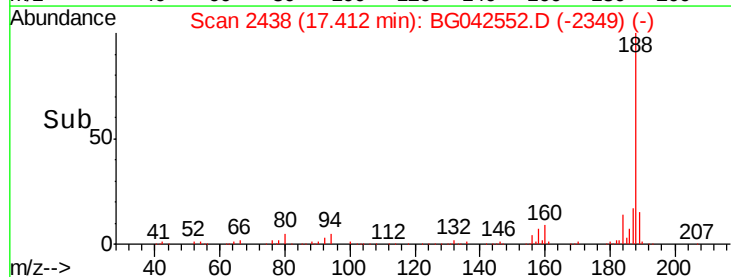


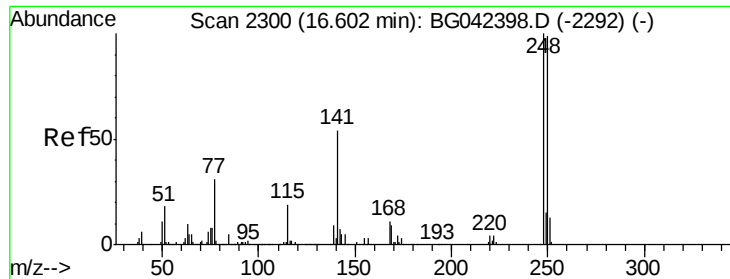
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG042552.D
 Acq: 29 Aug 2019 3:57

Tgt Ion:188 Resp: 241092
 Ion Ratio Lower Upper
 188 100
 94 5.2 4.5 6.7
 80 5.3 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

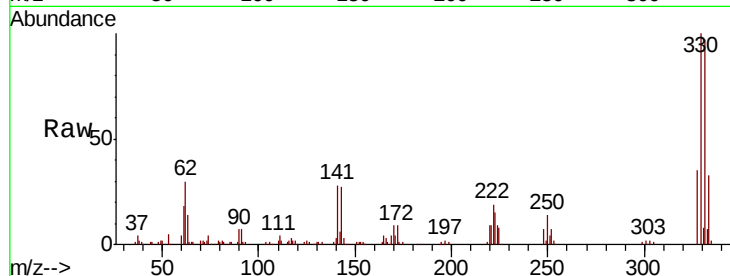




#67
 4-Bromophenyl-phenylether
 Concen: 3.027 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042552.D
 Acq: 29 Aug 2019 3:57

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	196.2	78.9	118.3#
141	386.4	43.3	64.9#

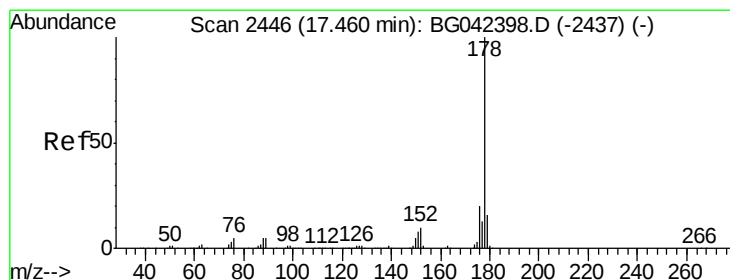
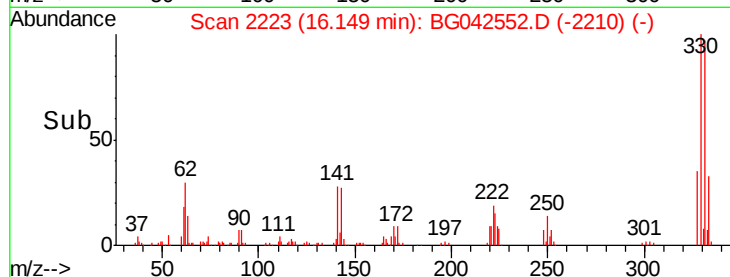
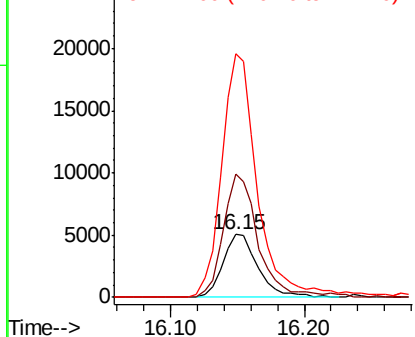


Abundance

Ion 248.00 (247.70 to 248.70): E

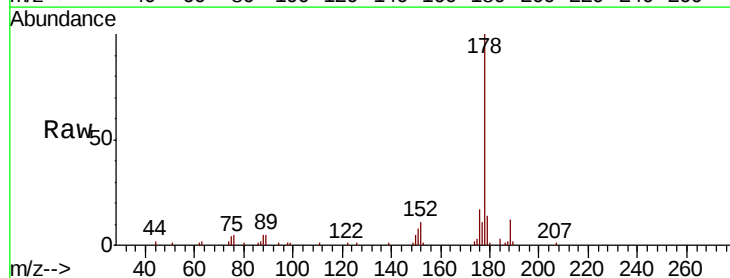
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 2.482 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG042552.D
 Acq: 29 Aug 2019 3:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.9	23.9
179	13.8	12.7	19.1

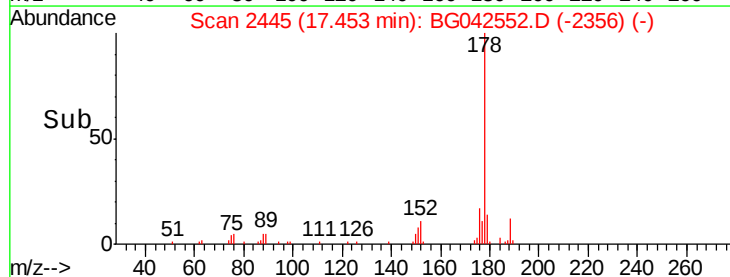
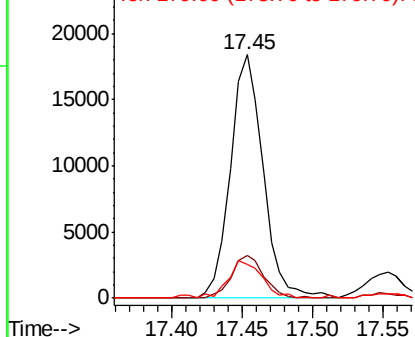


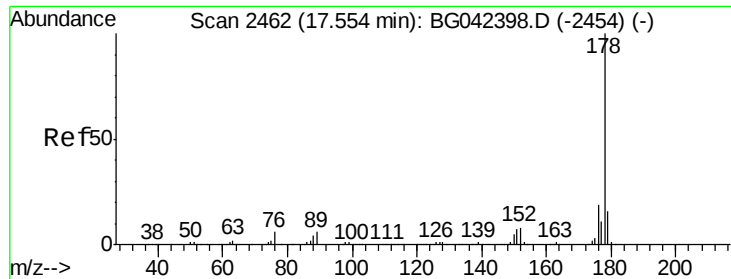
Abundance

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: 2.486 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.10 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

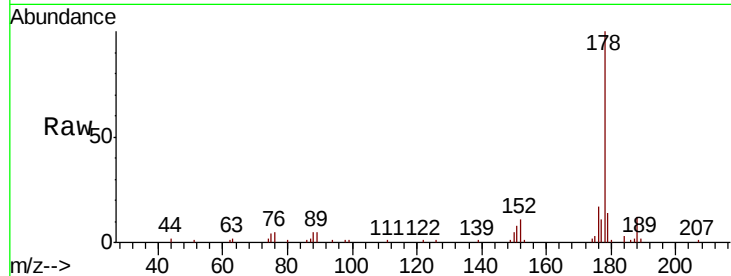
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 29720

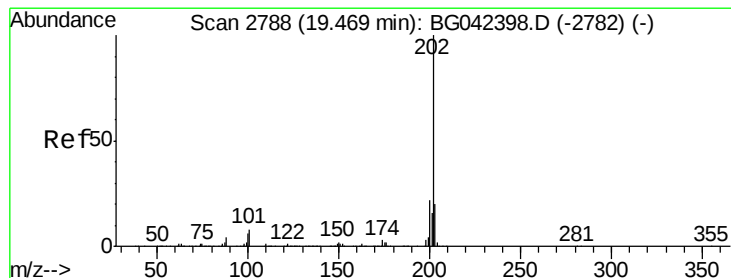
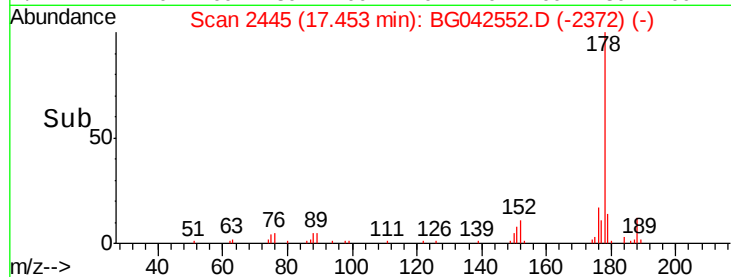
Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.5	23.3
179	13.8	12.9	19.3



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: 5.923 ng

RT: 19.46 min Scan# 2787

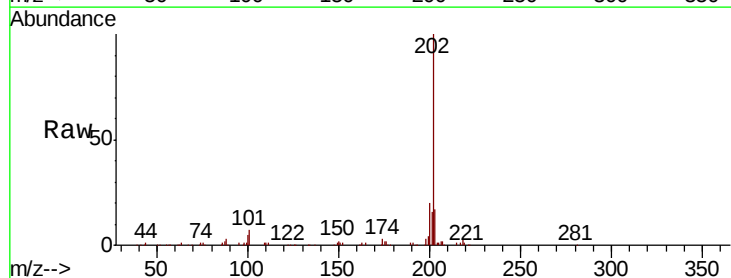
Delta R.T. -0.01 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

Tgt Ion:202 Resp: 86561

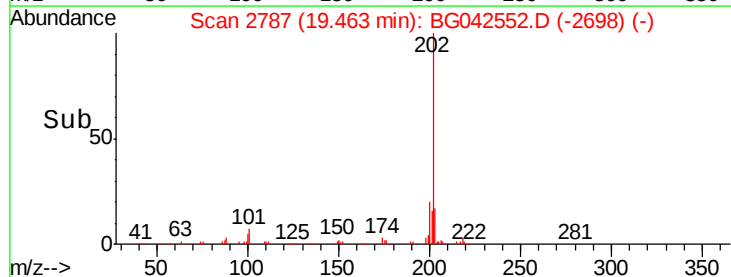
Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	28.3
203	17.5	0.0	39.6

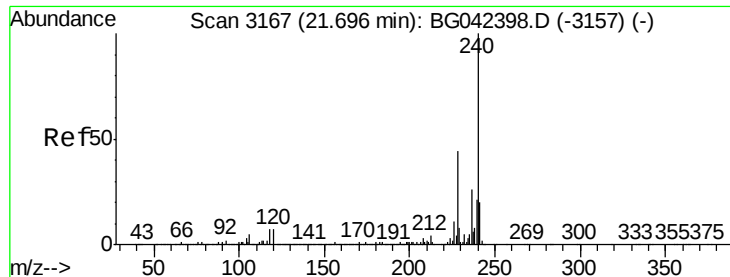


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG042552.D

Acq: 29 Aug 2019 3:57

Instrument :

BNA_G

ClientSampleId :

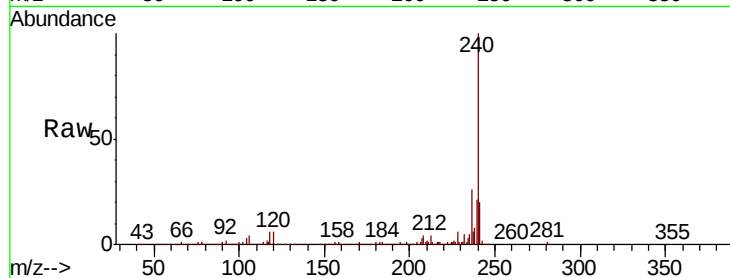
Tot Ion:240 Resp: 297885

Ion Ratio Lower Upper

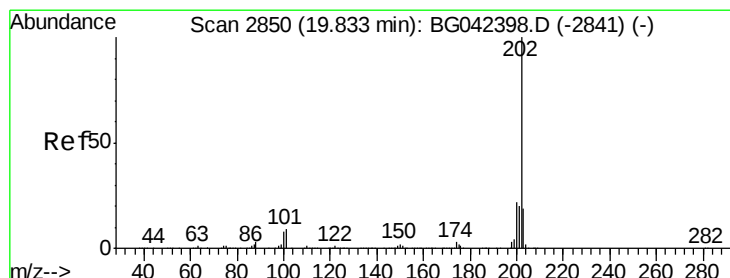
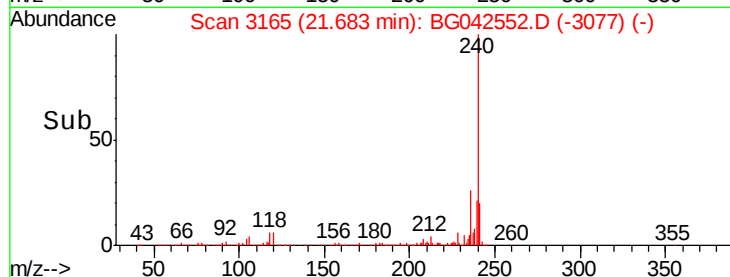
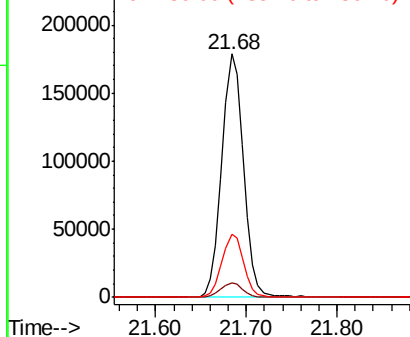
240 100

120 6.0 5.7 8.5

236 26.0 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

Pyrene

Concen: 5.020 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG042552.D

Acq: 29 Aug 2019 3:57

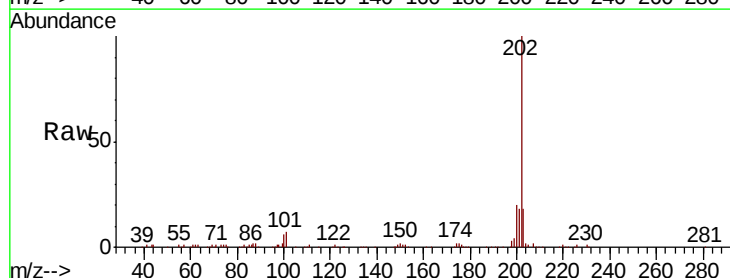
Tgt Ion:202 Resp: 91686

Ion Ratio Lower Upper

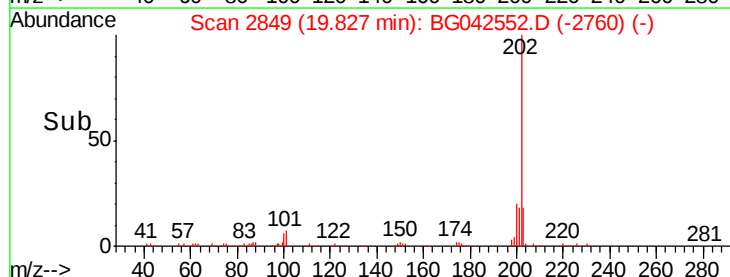
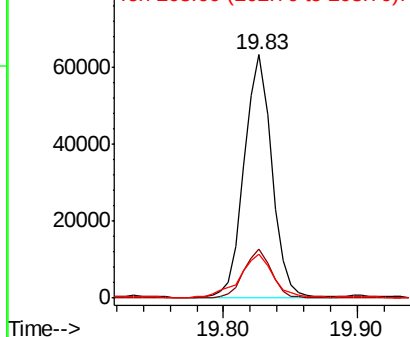
202 100

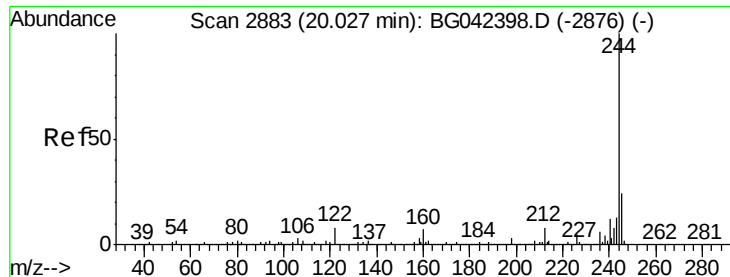
200 20.0 17.8 26.6

203 17.8 15.5 23.3



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

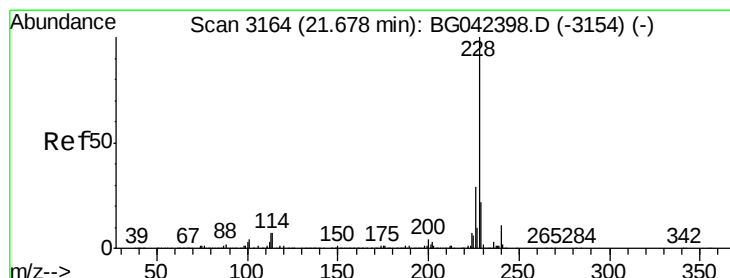
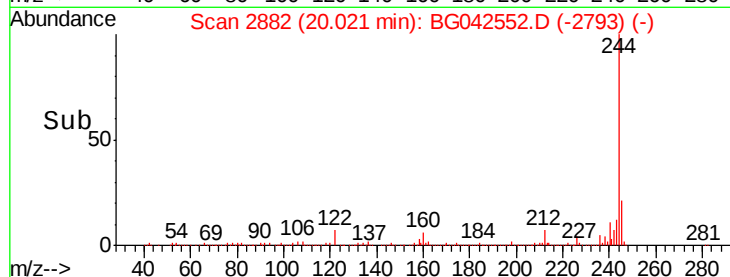
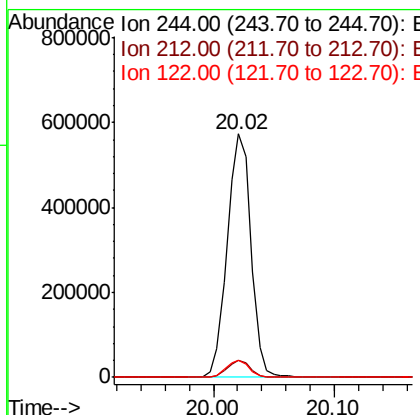
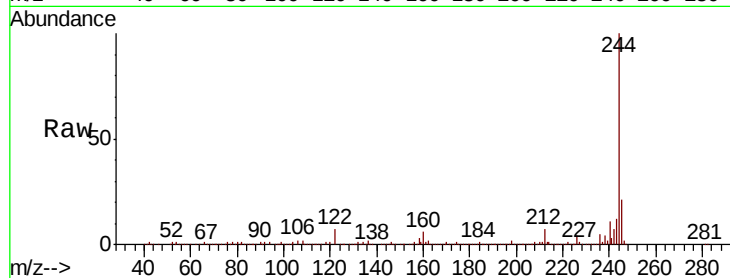




#79
 Terphenyl-d14
 Concen: 56.725 ng
 RT: 20.02 min Scan# 2882
 Delta R.T. -0.01 min
 Lab File: BG042552.D
 Acq: 29 Aug 2019 3:57

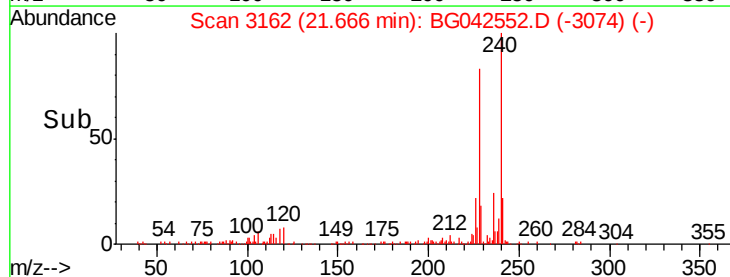
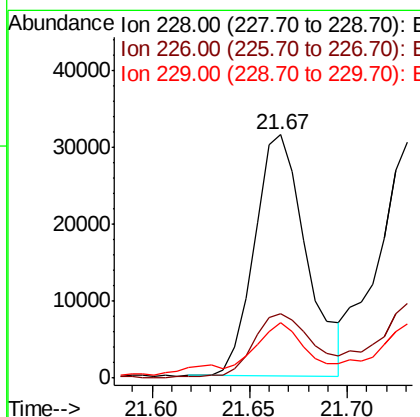
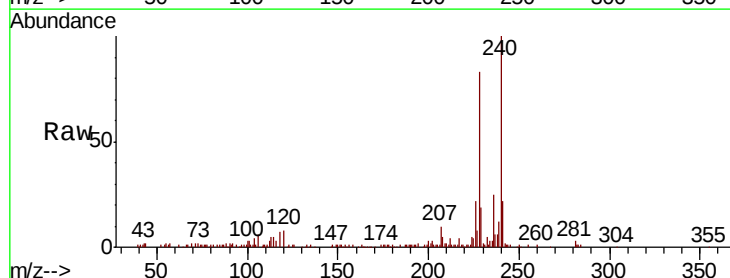
Instrument :
 BNA_G
 ClientSampleId :

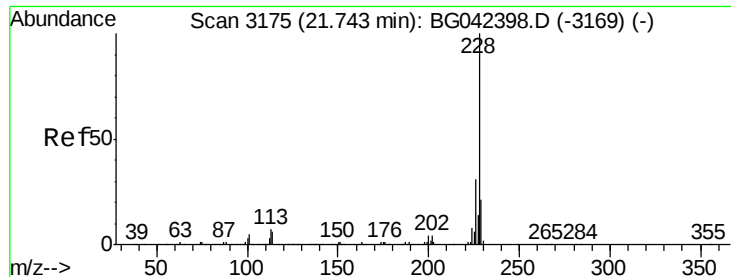
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	7.0	6.7	10.1



#81
 Benzo(a)anthracene
 Concen: 3.182 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BG042552.D
 Acq: 29 Aug 2019 3:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	23.4	35.2
229	22.8	17.4	26.2

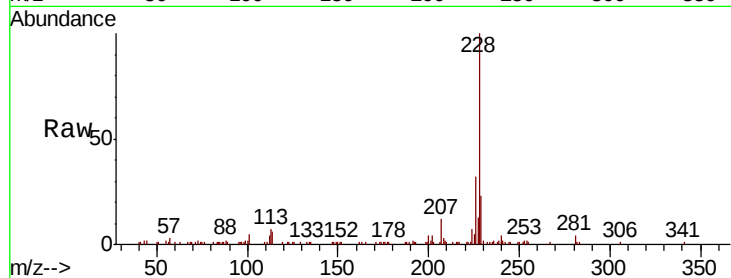




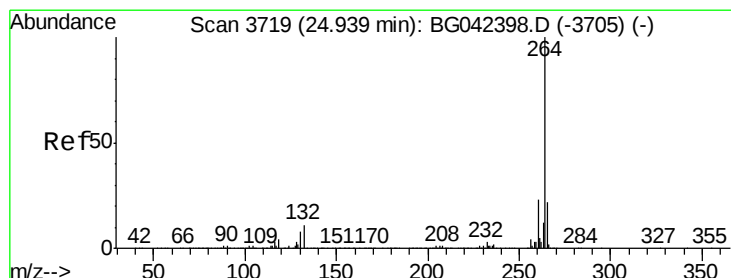
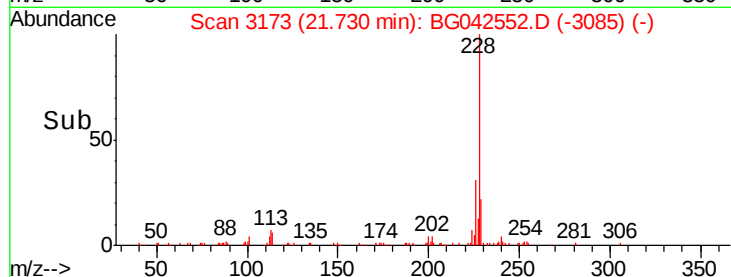
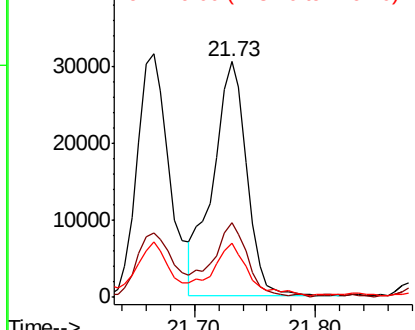
#83
Chrysene
Concen: 3.352 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:228 Resp: 58582
Ion Ratio Lower Upper
228 100
226 31.9 24.9 37.3
229 23.2 16.9 25.3

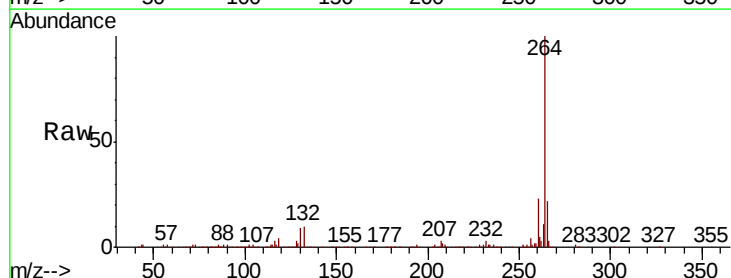


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

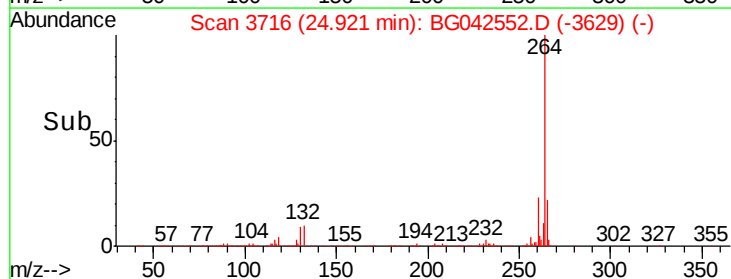
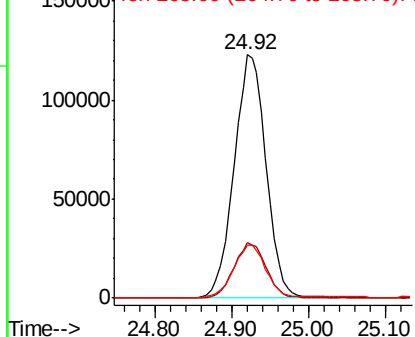


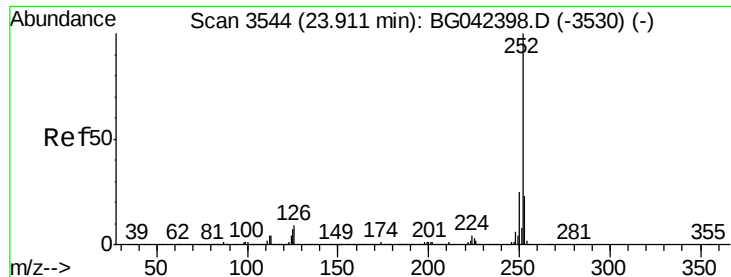
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Tgt Ion:264 Resp: 356734
Ion Ratio Lower Upper
264 100
260 22.6 18.5 27.7
265 21.9 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

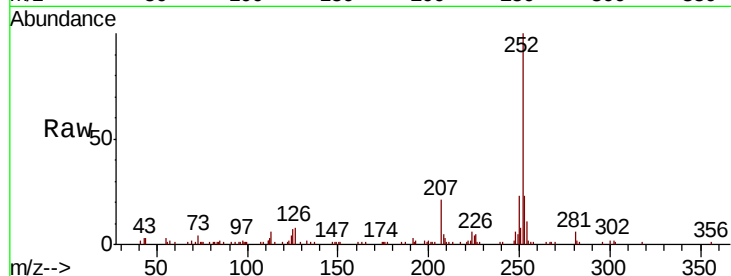




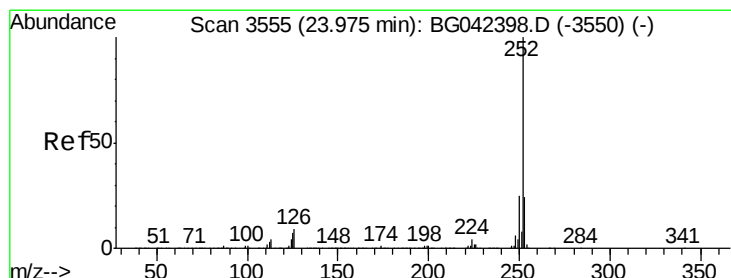
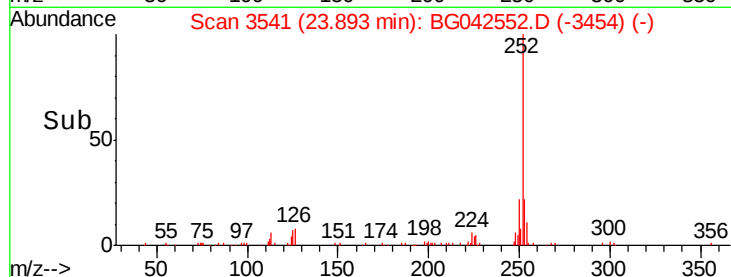
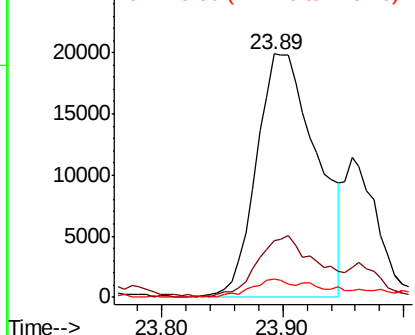
#88
Benzo(b)fluoranthene
Concen: 3.519 ng
RT: 23.89 min Scan# 3541
Delta R.T. -0.02 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Instrument :
BNA_G
ClientSampled :

Tot Ion:252 Resp: 69013
Ion Ratio Lower Upper
252 100
253 23.2 18.6 27.8
125 7.3 5.6 8.4

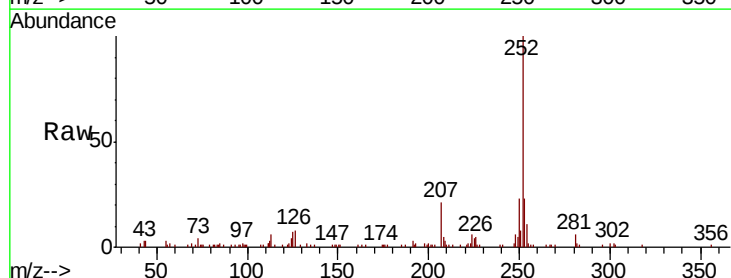


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

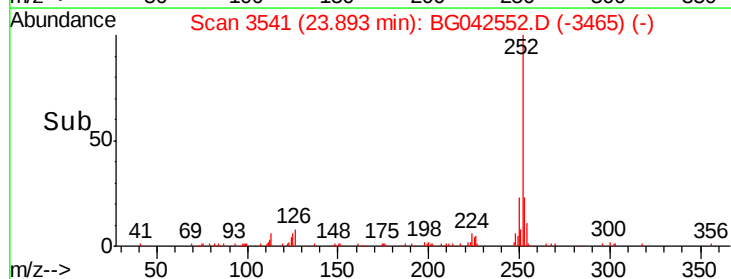
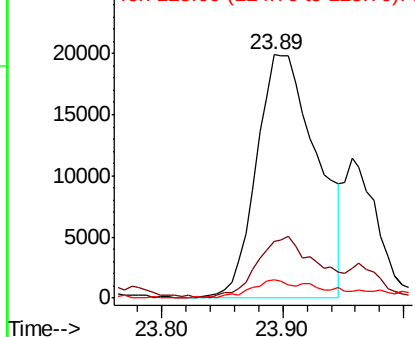


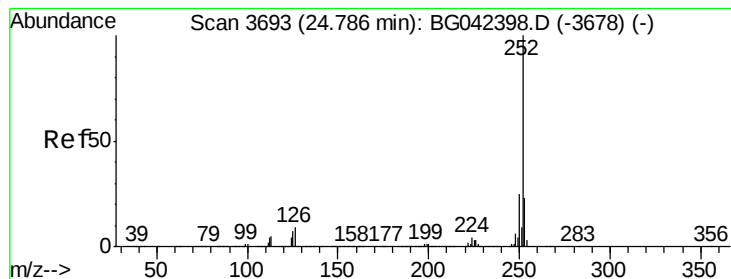
#89
Benzo(k)fluoranthene
Concen: 3.661 ng
RT: 23.89 min Scan# 3541
Delta R.T. -0.08 min
Lab File: BG042552.D
Acq: 29 Aug 2019 3:57

Tgt Ion:252 Resp: 69013
Ion Ratio Lower Upper
252 100
253 23.2 18.6 27.8
125 7.3 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: 2.438 ng
 RT: 24.77 min Scan# 3690
 Delta R.T. -0.02 min
 Lab File: BG042552.D
 Acq: 29 Aug 2019 3:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	7.2	6.0	9.0

