

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042367.D
 Acq On : 20 Aug 2019 21:14
 Operator : HP/JU
 Sample : K4387-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 04:30:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	78067	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	300500	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	203341	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	388703	20.00	ng	0.00
76) Chrysene-d12	21.70	240	398602	20.00	ng	0.00
87) Perylene-d12	24.94	264	478723	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	330071	85.66	ng	0.00
7) Phenol-d6	7.17	99	460385	87.98	ng	0.00
23) Nitrobenzene-d5	9.18	82	257776	60.33	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	222356	80.29	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	679362	56.54	ng	0.00
79) Terphenyl-d14	20.03	244	948999	52.15	ng	0.00

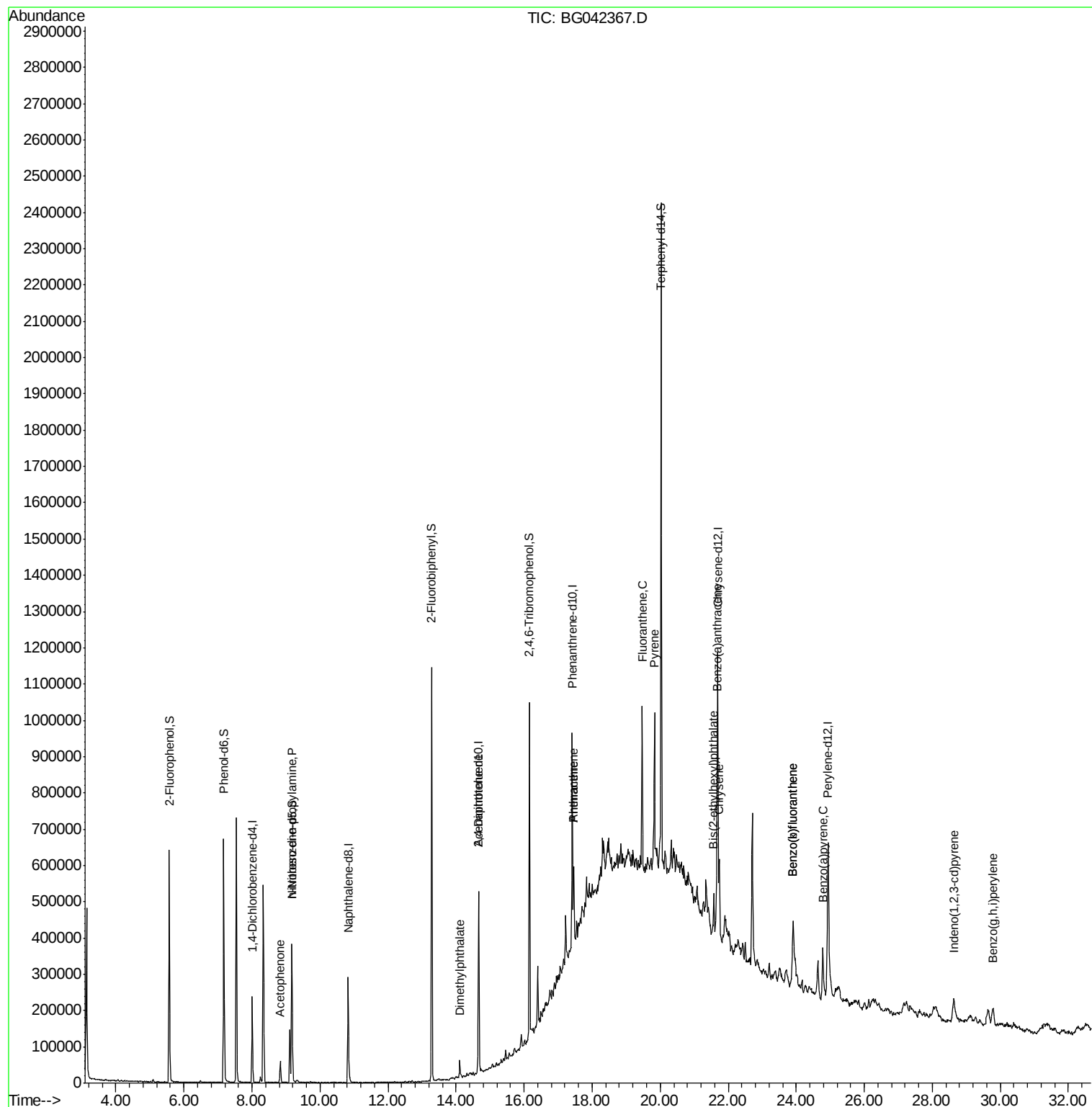
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.18	70	33134	9.844	ng	# 75
22) Acetophenone	8.83	105	39611	6.204	ng	# 99
50) Dimethylphthalate	14.11	163	42835	2.965	ng	# 99
57) 2,4-Dinitrotoluene	14.66	165	27697	5.858	ng	# 36
71) Phenanthrene	17.46	178	148739	7.683	ng	# 99
72) Anthracene	17.46	178	148739	7.704	ng	# 99
75) Fluoranthene	19.47	202	306950	13.149	ng	# 100
78) Pyrene	19.83	202	298307	12.163	ng	# 98
81) Benzo(a)anthracene	21.67	228	181897	7.431	ng	# 98
83) Chrysene	21.74	228	170142	7.266	ng	# 97
84) Bis(2-ethylhexyl)phthalate	21.58	149	49817	3.676	ng	# 97
86) Indeno(1,2,3-cd)pyrene	28.63	276	102263	3.271	ng	# 95
88) Benzo(b)fluoranthene	23.91	252	212981	8.094	ng	# 97
89) Benzo(k)fluoranthene	23.91	252	212981	8.280	ng	# 97
90) Benzo(a)pyrene	24.78	252	156953	6.225	ng	# 98
92) Benzo(g,h,i)perylene	29.78	276	99540	3.971	ng	# 98

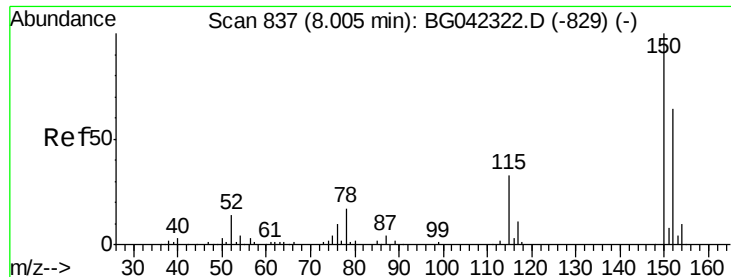
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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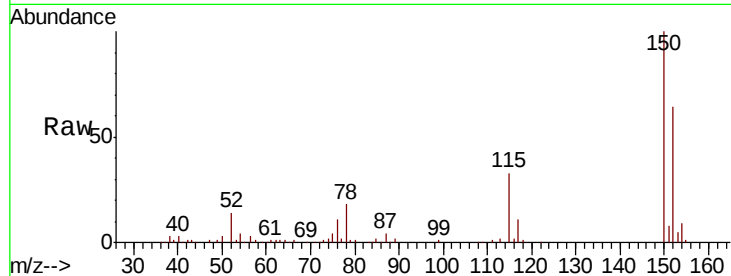


#1

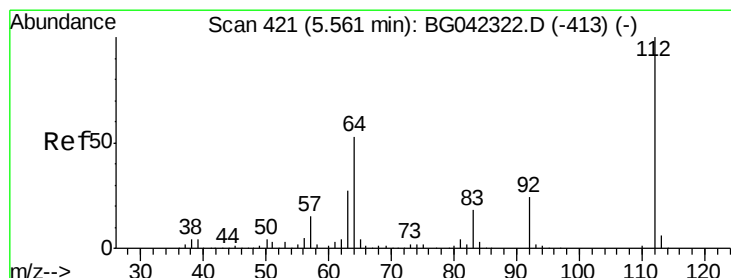
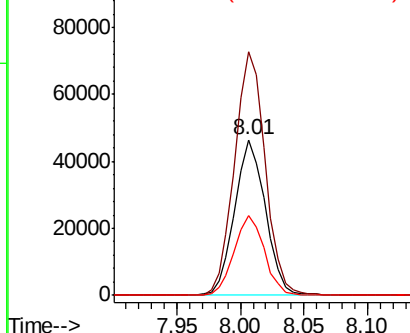
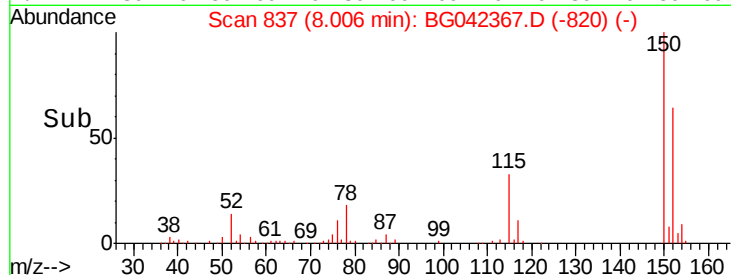
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 78067
Ion Ratio Lower Upper
152 100
150 156.3 124.3 186.5
115 51.4 40.5 60.7



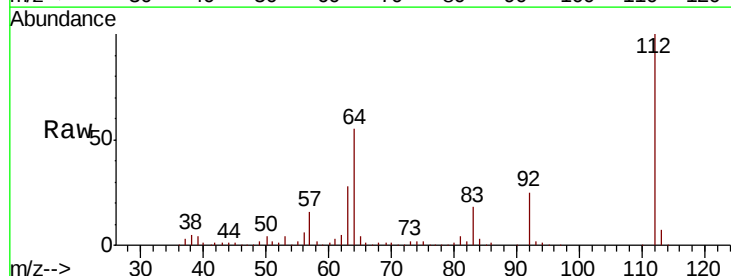
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



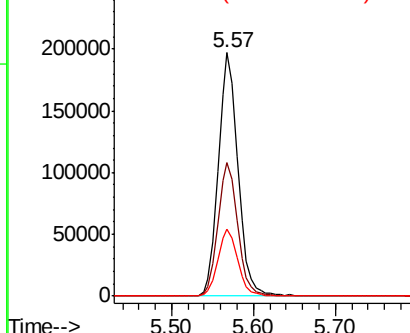
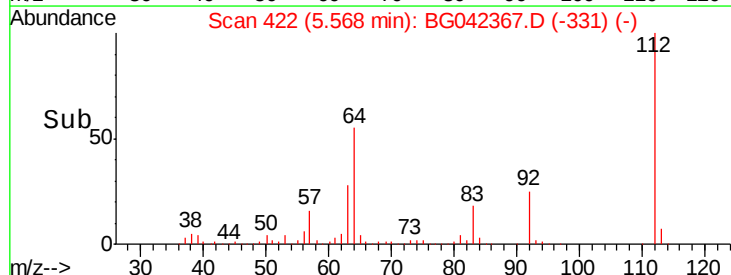
#5

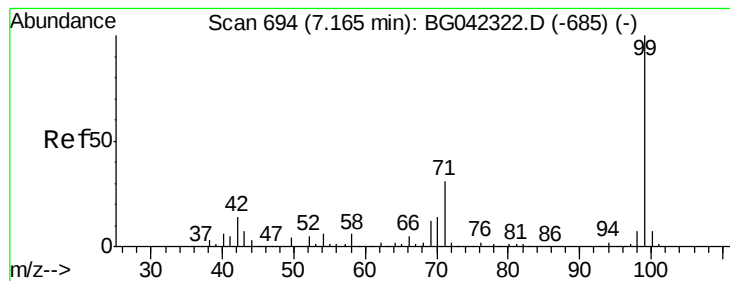
2-Fluorophenol
Concen: 85.664 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

Tgt Ion:112 Resp: 330071
Ion Ratio Lower Upper
112 100
64 54.6 42.5 63.7
63 27.8 21.7 32.5



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: 87.978 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042367.D

Acq: 20 Aug 2019 21:14

Instrument :

BNA_G

ClientSampleId :

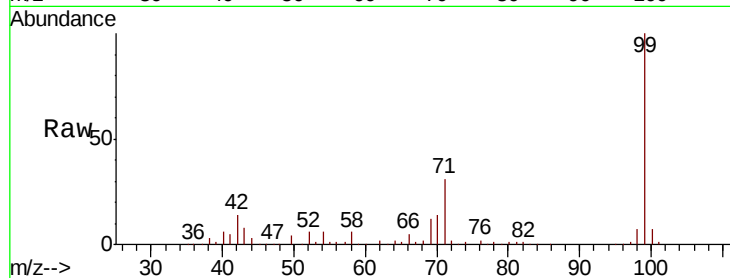
Tot Ion: 99 Resp: 460385

Ion Ratio Lower Upper

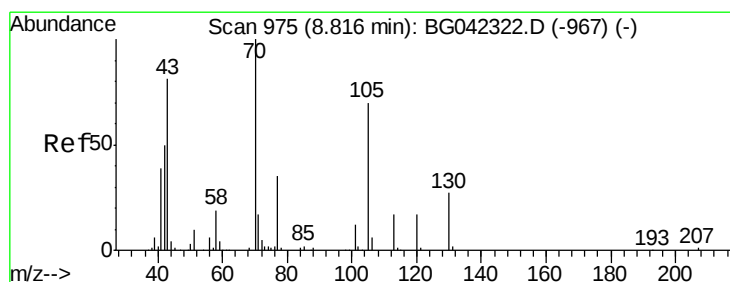
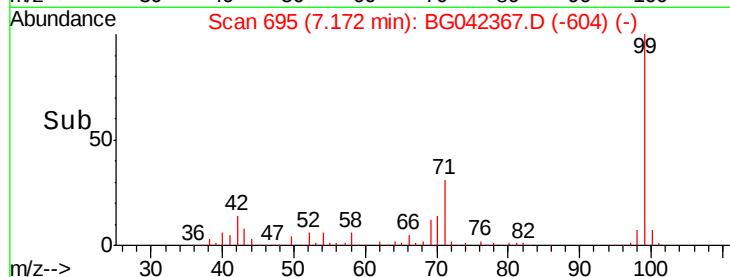
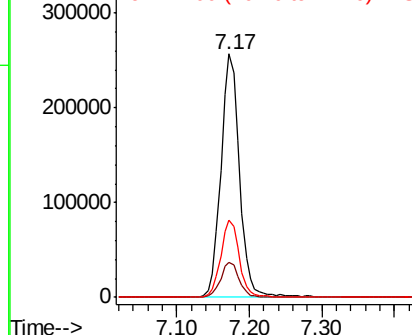
99 100

42 14.4 11.4 17.0

71 31.5 25.1 37.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.844 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG042367.D

Acq: 20 Aug 2019 21:14

Tgt Ion: 70 Resp: 33134

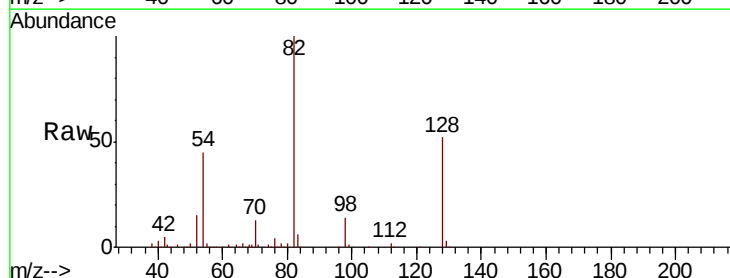
Ion Ratio Lower Upper

70 100

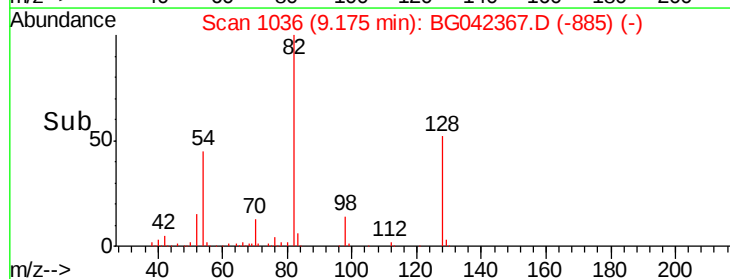
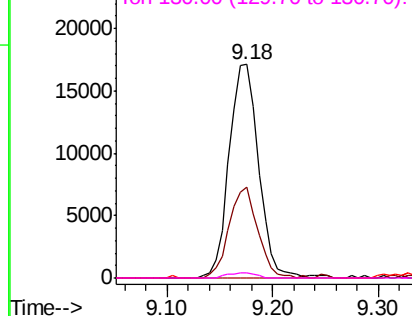
42 42.8 40.5 60.7

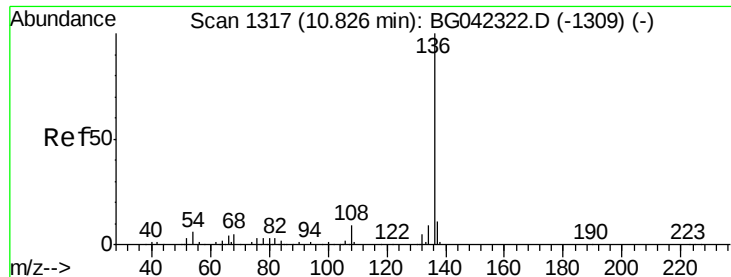
101 0.0 9.3 13.9#

130 2.2 22.0 33.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

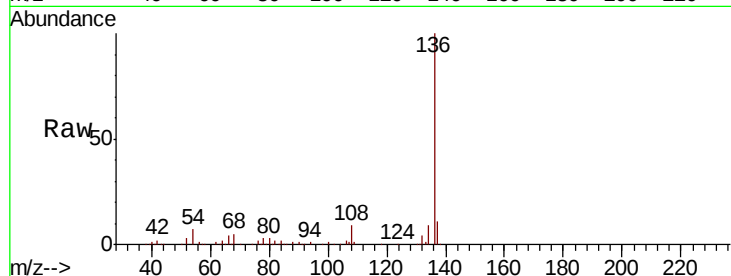




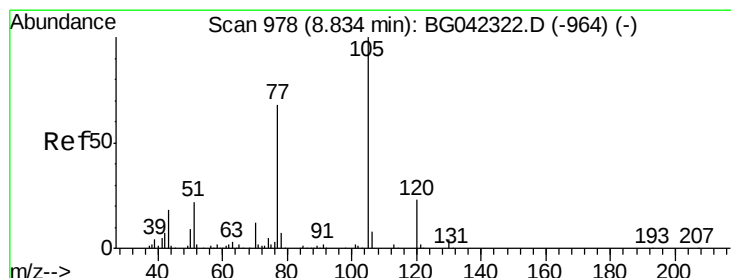
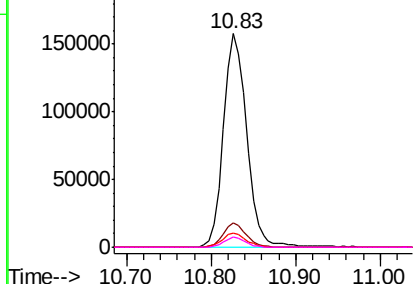
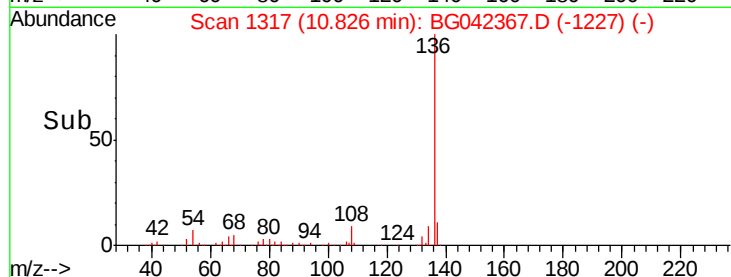
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	300500
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.4 12.6
54	6.8	5.0 7.4
68	4.6	3.8 5.8

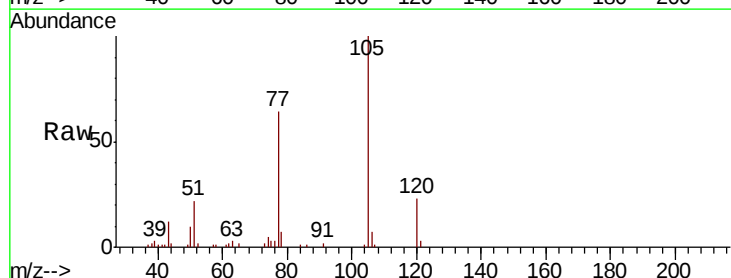


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

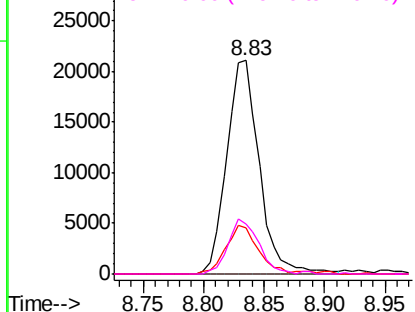
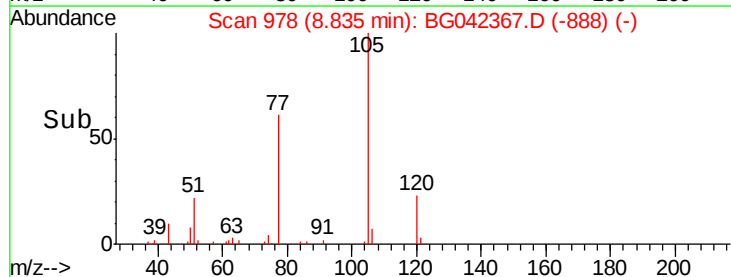


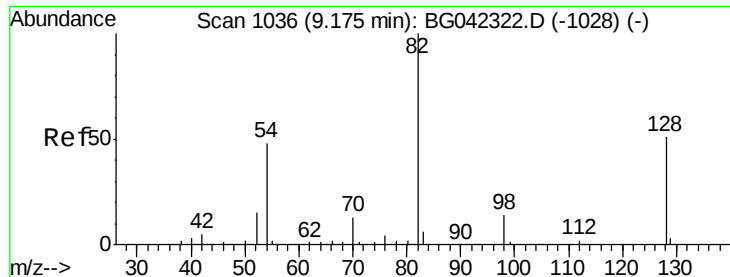
#22
Acetophenone
Concen: 6.204 ng
RT: 8.83 min Scan# 978
Delta R.T. 0.00 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

Tgt Ion:105	Resp:	39611
Ion	Ratio	Lower Upper
105	100	
71	0.0	1.8 2.8#
51	21.8	17.5 26.3
120	23.4	18.4 27.6



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

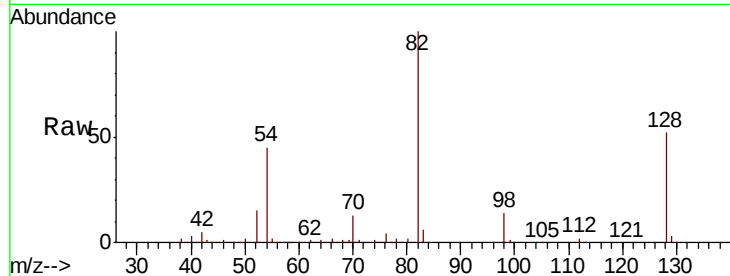




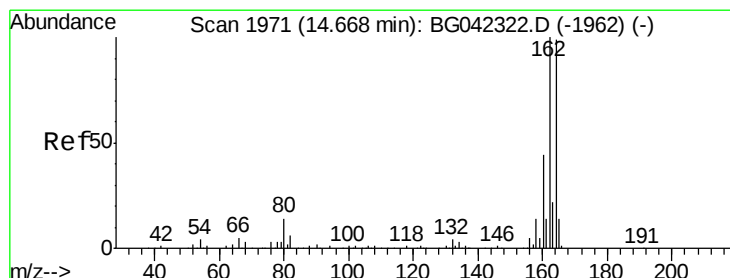
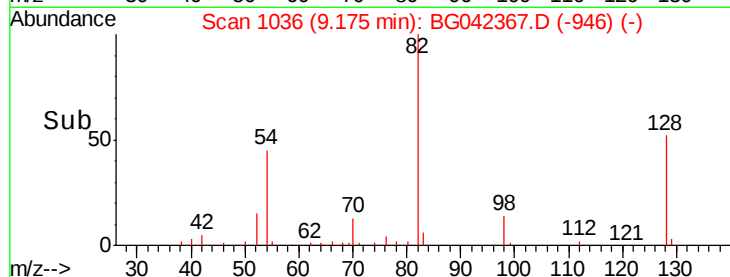
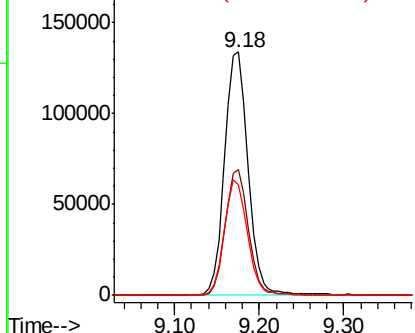
#23
Nitrobenzene-d5
Concen: 60.333 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 257776
Ion Ratio Lower Upper
82 100
128 52.0 41.0 61.4
54 45.3 38.0 57.0

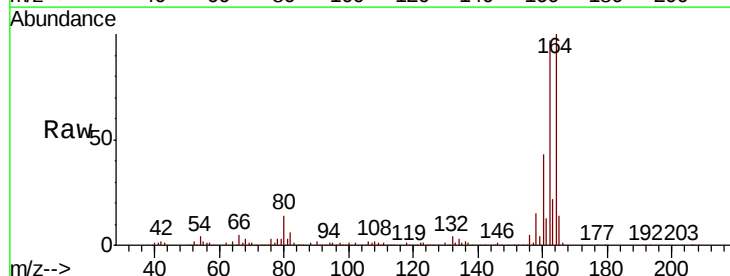


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

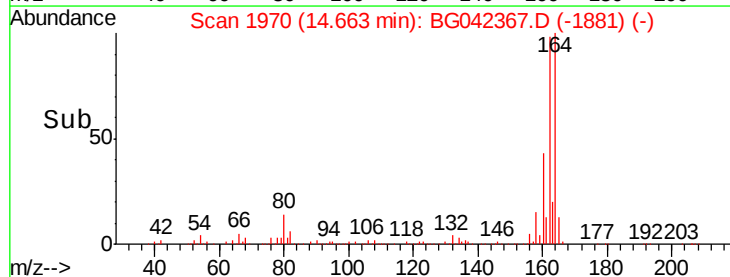
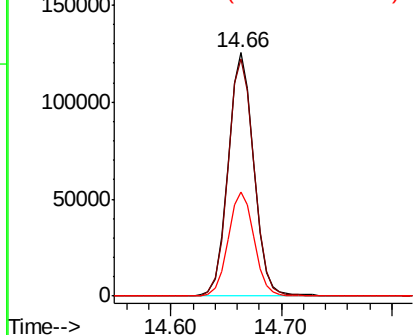


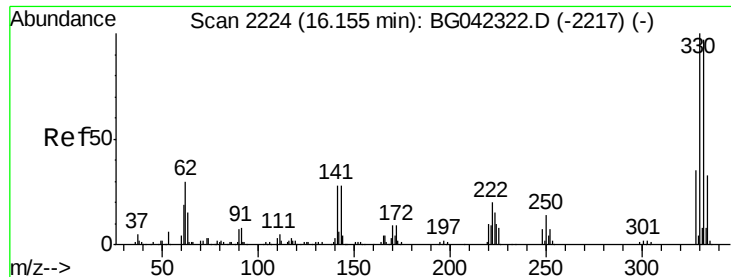
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

Tgt Ion:164 Resp: 203341
Ion Ratio Lower Upper
164 100
162 97.4 80.6 120.8
160 42.8 35.7 53.5



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: 80.289 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042367.D

Acq: 20 Aug 2019 21:14

Instrument :

BNA_G

ClientSampleId :

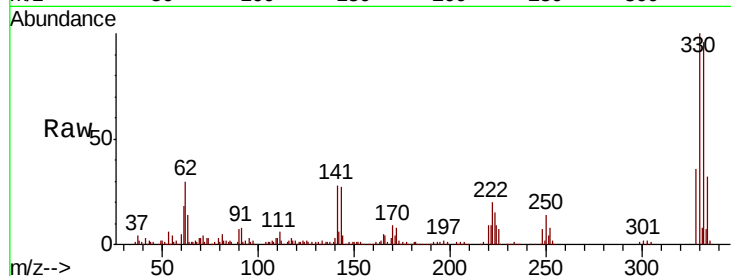
Tot Ion:330 Resp: 222356

Ion Ratio Lower Upper

330 100

332 97.6 76.9 115.3

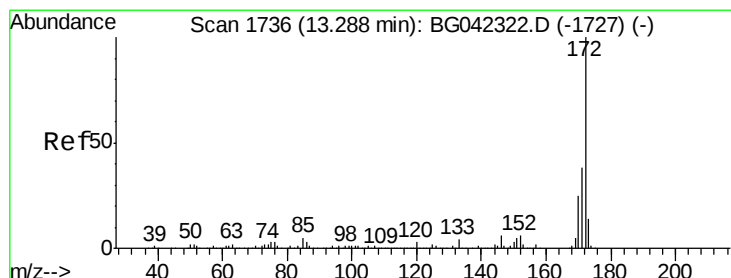
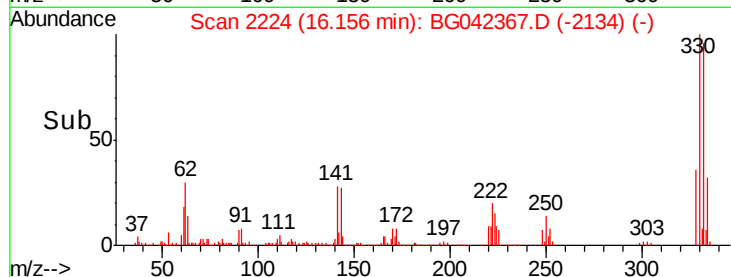
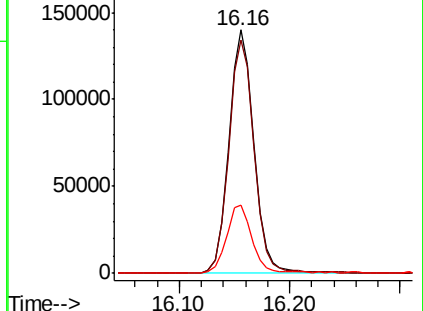
141 28.2 21.8 32.6



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: 56.535 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG042367.D

Acq: 20 Aug 2019 21:14

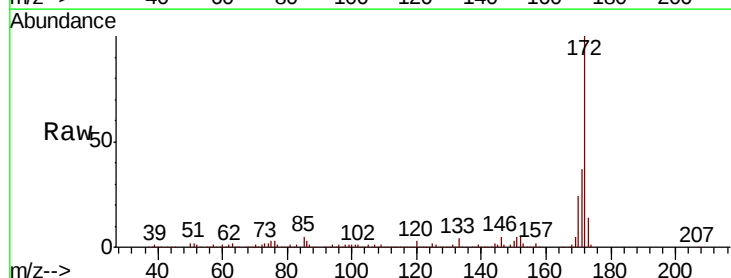
Tgt Ion:172 Resp: 679362

Ion Ratio Lower Upper

172 100

171 36.8 30.3 45.5

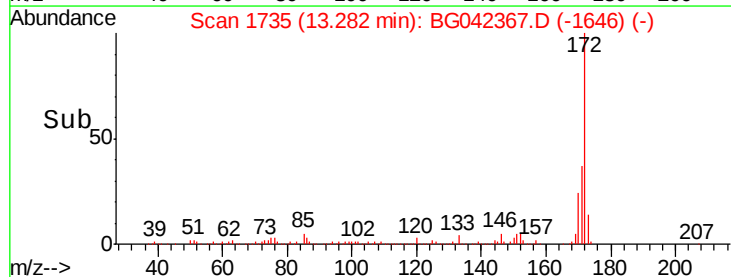
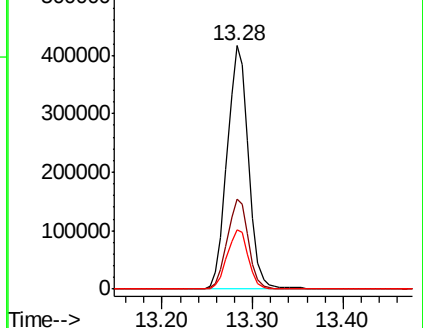
170 24.4 20.0 30.0

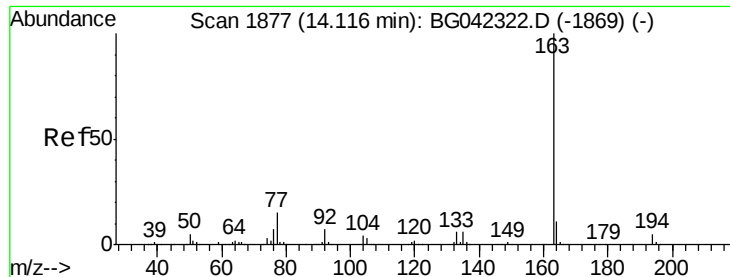


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.965 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042367.D

Acq: 20 Aug 2019 21:14

Instrument :

BNA_G

ClientSampleId :

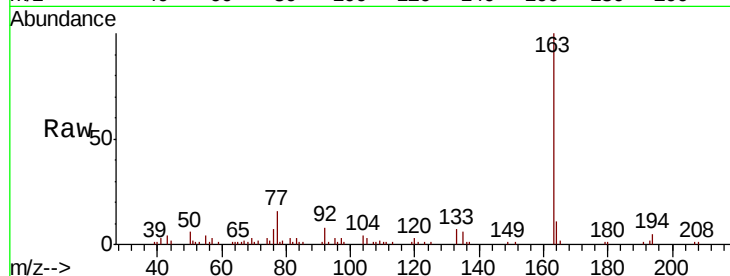
Tot Ion:163 Resp: 42835

Ion Ratio Lower Upper

163 100

194 5.3 4.2 6.2

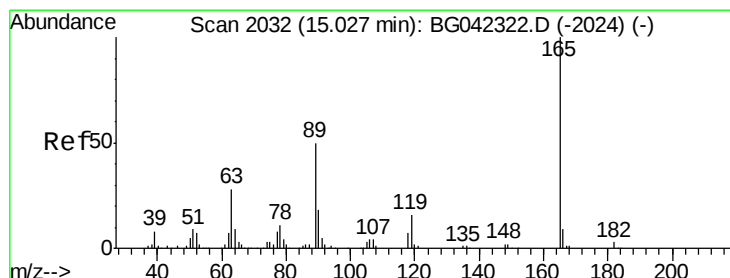
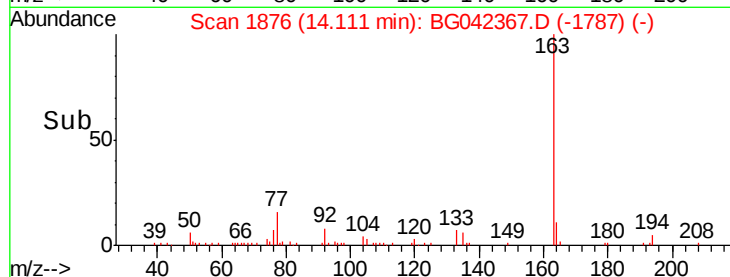
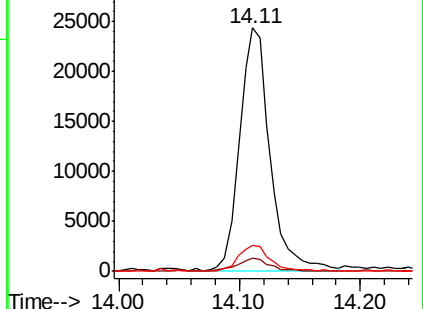
164 10.8 8.8 13.2



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: 5.858 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042367.D

Acq: 20 Aug 2019 21:14

Tgt Ion:165 Resp: 27697

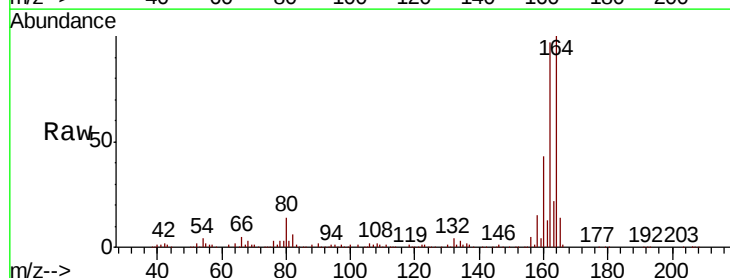
Ion Ratio Lower Upper

165 100

63 0.0 22.4 33.6#

89 0.0 40.2 60.2#

182 0.0 2.6 3.8#

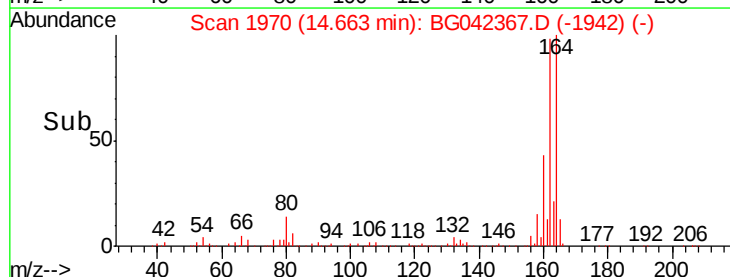
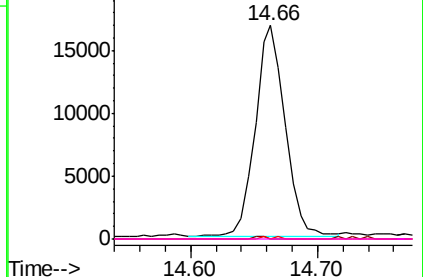


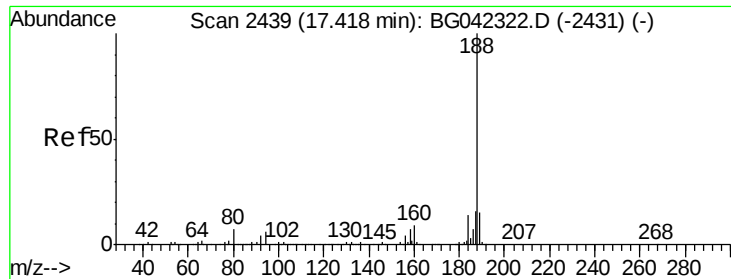
Abundance Ion 165.00 (164.70 to 165.70): E

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

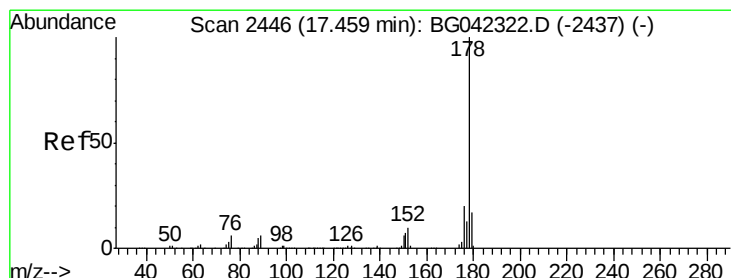
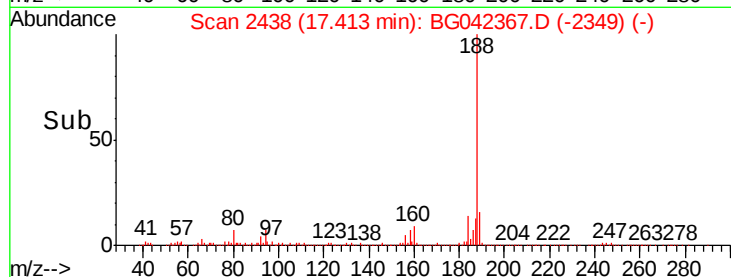
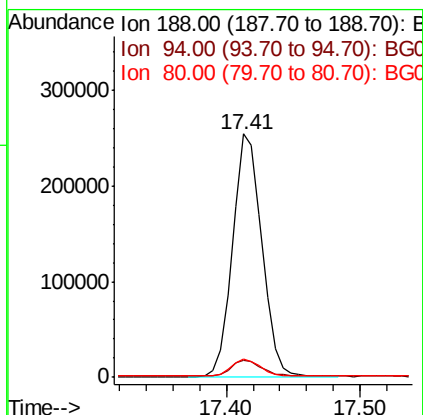
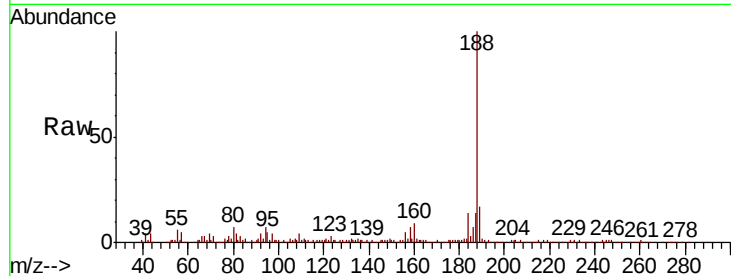




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

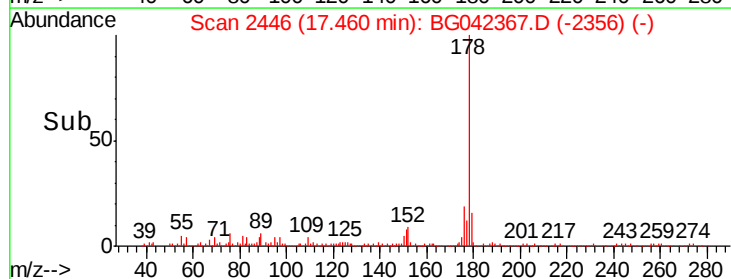
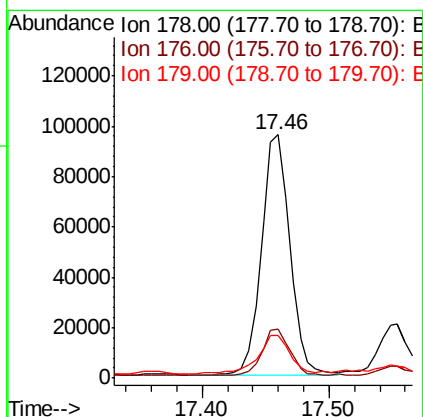
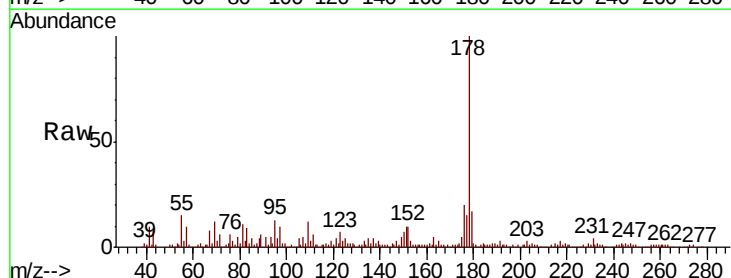
Instrument :
BNA_G
ClientSampleId :

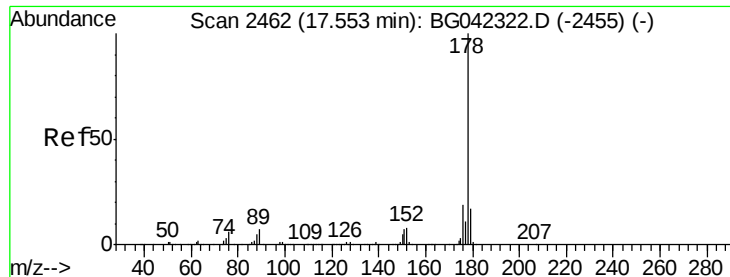
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.1	4.9	7.3
80	7.3	5.4	8.0



#71
Phenanthrene
Concen: 7.683 ng
RT: 17.46 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.2	24.4
179	17.4	13.7	20.5





#72

Anthracene

Concen: 7.704 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.09 min

Lab File: BG042367.D

Acq: 20 Aug 2019 21:14

Instrument :

BNA_G

ClientSampleId :

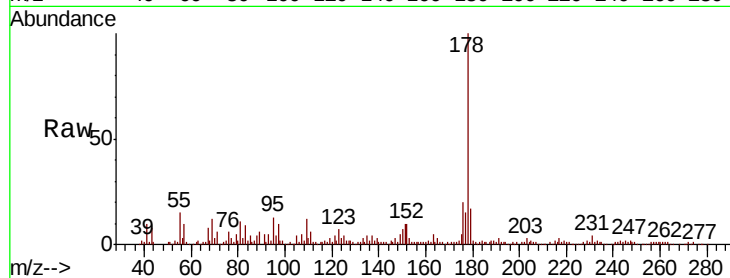
Tot Ion:178 Resp: 148739

Ion Ratio Lower Upper

178 100

176 20.0 15.5 23.3

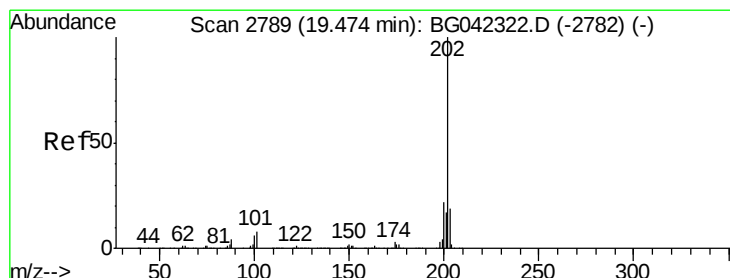
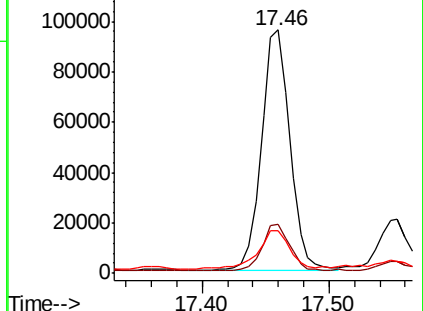
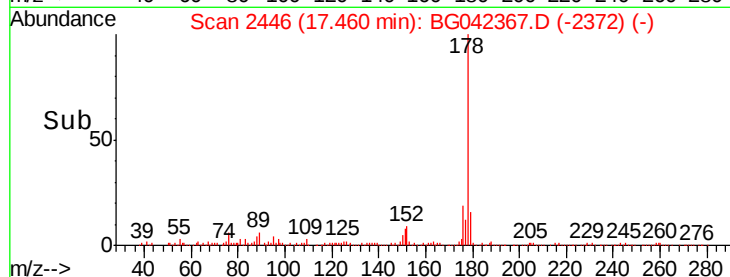
179 17.4 13.6 20.4



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: 13.149 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BG042367.D

Acq: 20 Aug 2019 21:14

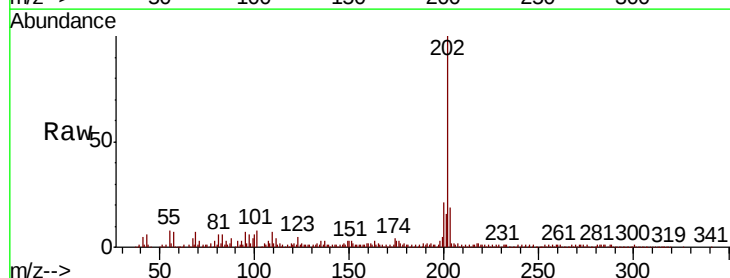
Tgt Ion:202 Resp: 306950

Ion Ratio Lower Upper

202 100

101 7.6 0.0 28.0

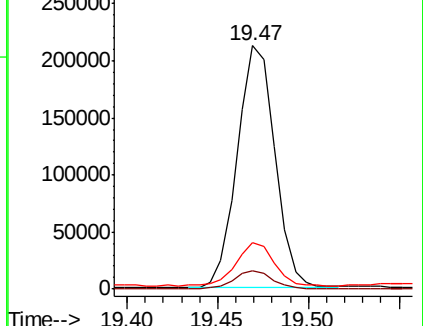
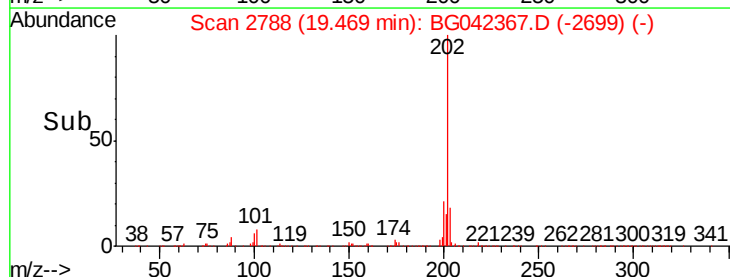
203 19.1 0.0 39.1

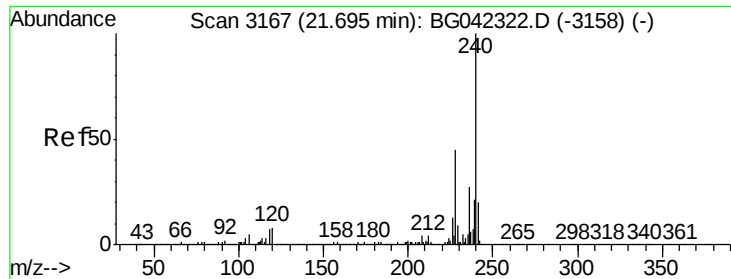


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

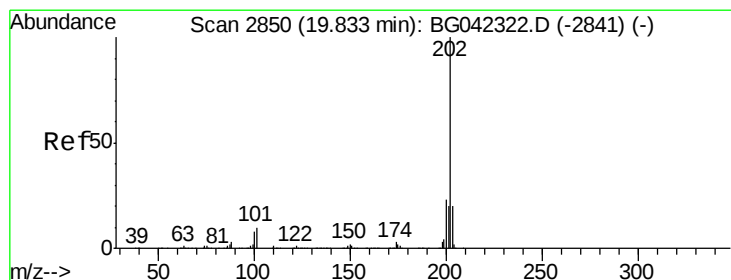
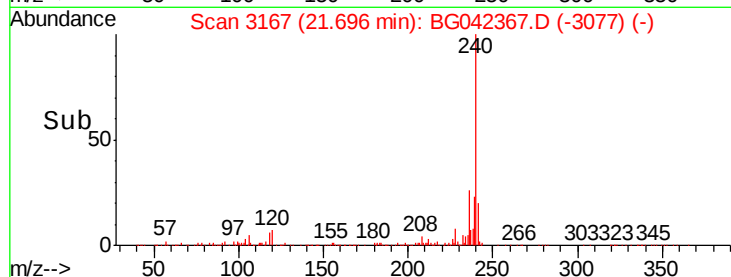
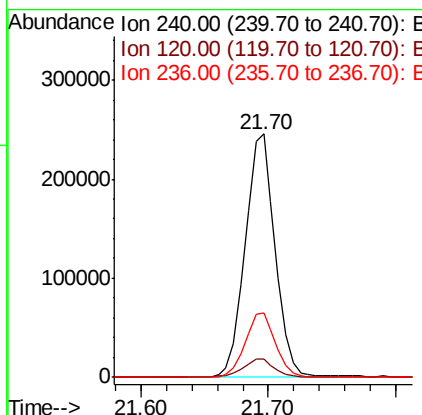
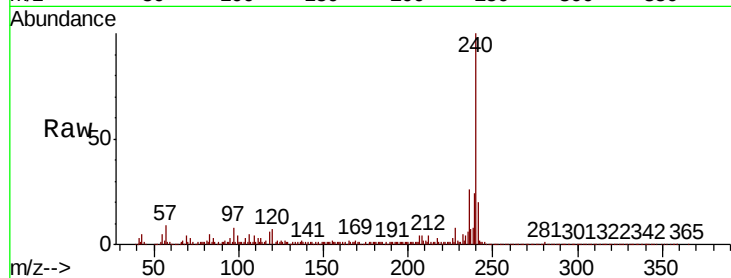




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. 0.00 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

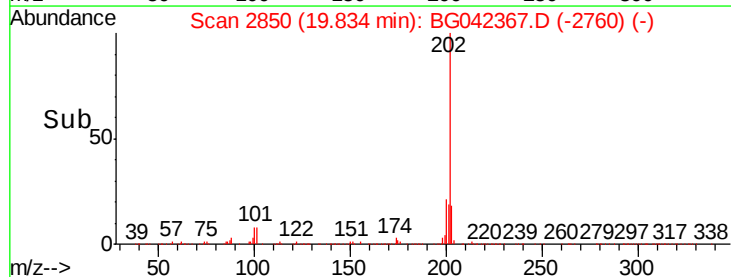
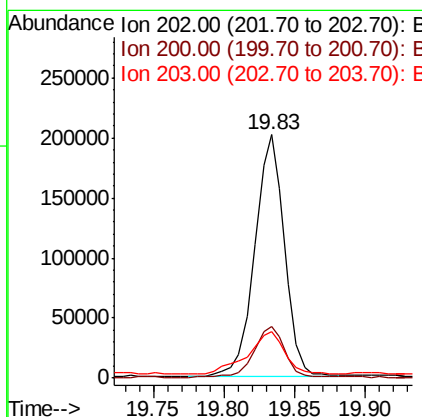
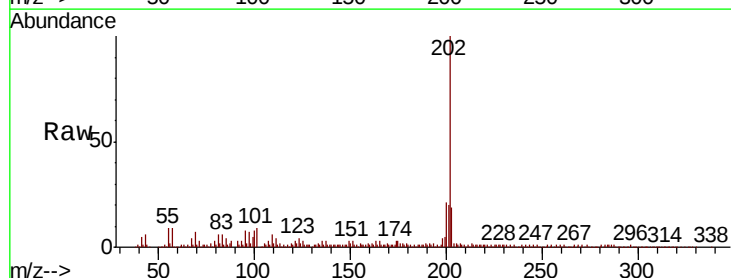
Instrument :
BNA_G
ClientSampleId :

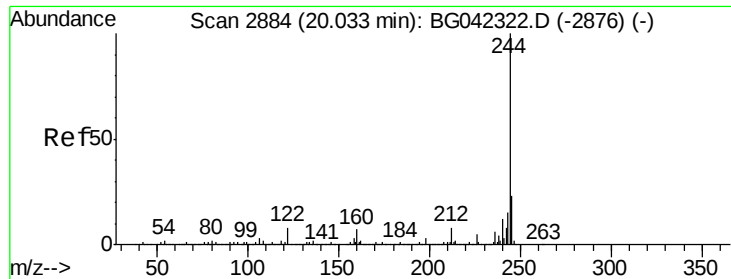
Tot Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.0	9.0
236	26.4	21.6	32.4



#78
Pyrene
Concen: 12.163 ng
RT: 19.83 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.1	27.1
203	19.1	15.8	23.8





#79

Terphenyl-d14

Concen: 52.147 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG042367.D

Acq: 20 Aug 2019 21:14

Instrument :

BNA_G

ClientSampled :

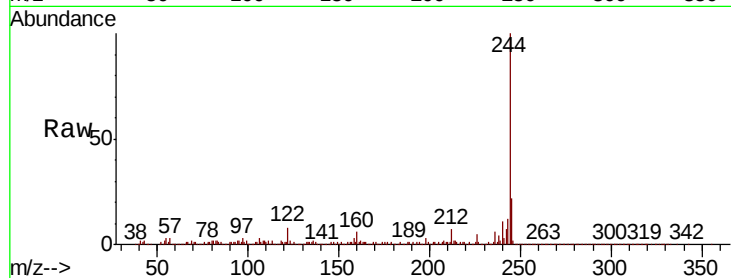
Tot Ion:244 Resp: 948999

Ion Ratio Lower Upper

244 100

212 7.3 6.4 9.6

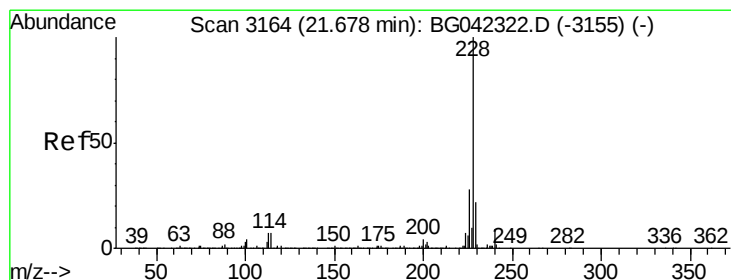
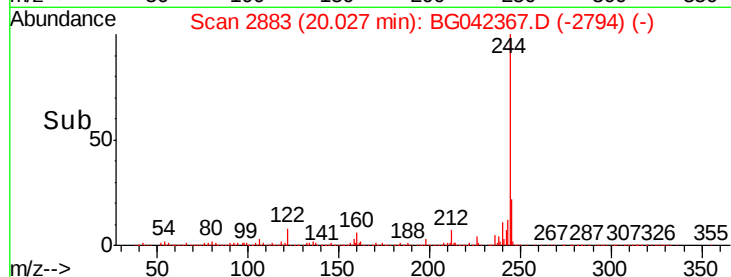
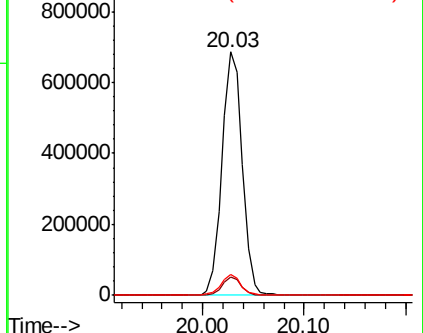
122 8.4 6.6 10.0



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: 7.431 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG042367.D

Acq: 20 Aug 2019 21:14

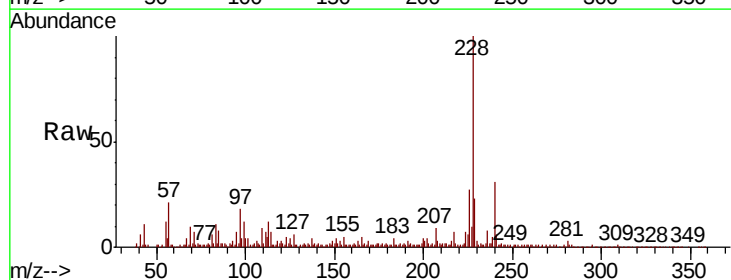
Tgt Ion:228 Resp: 181897

Ion Ratio Lower Upper

228 100

226 27.5 22.7 34.1

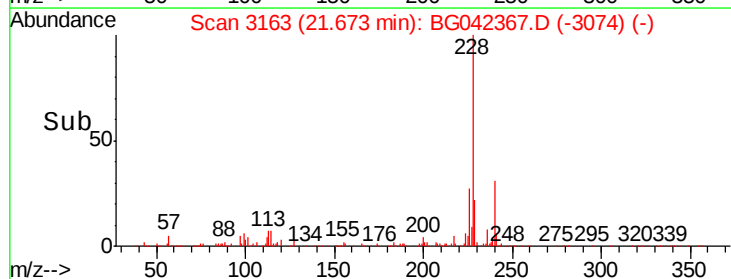
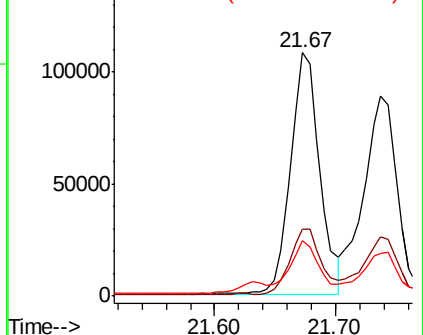
229 22.6 17.4 26.2

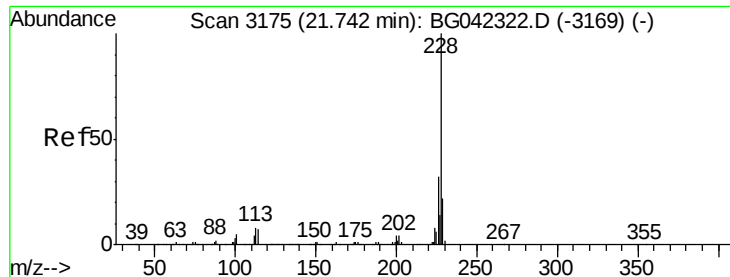


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 7.266 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.01 min

Lab File: BG042367.D

Acq: 20 Aug 2019 21:14

Instrument :

BNA_G

ClientSampled :

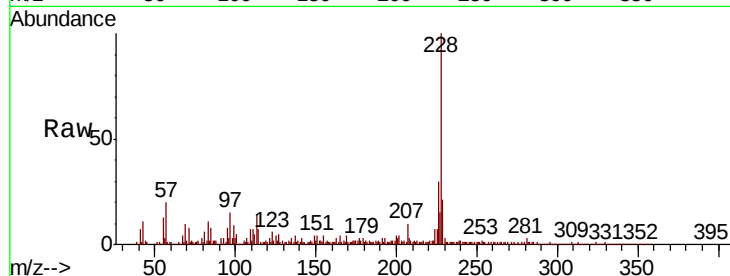
Tot Ion:228 Resp: 170142

Ion Ratio Lower Upper

228 100

226 29.8 25.6 38.4

229 21.1 17.8 26.6

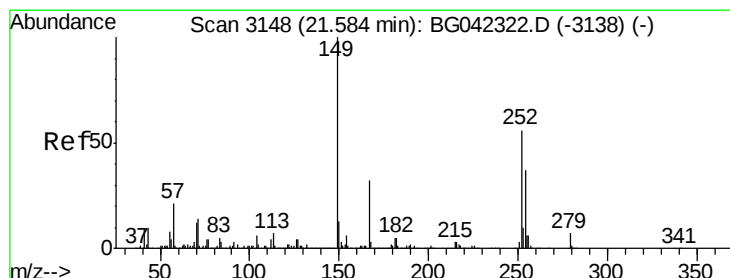
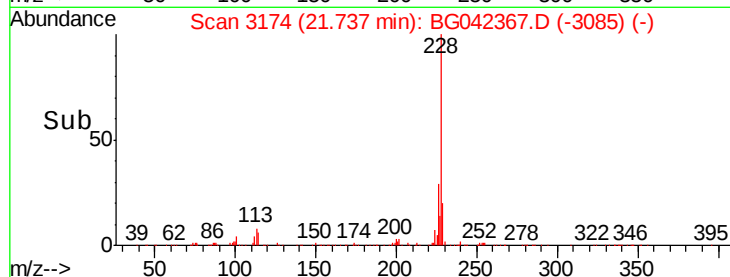
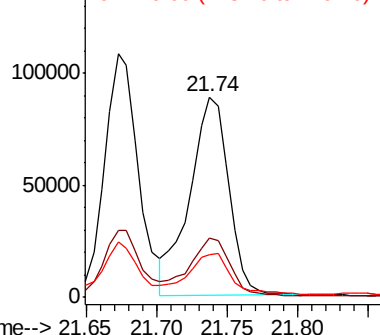


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.676 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG042367.D

Acq: 20 Aug 2019 21:14

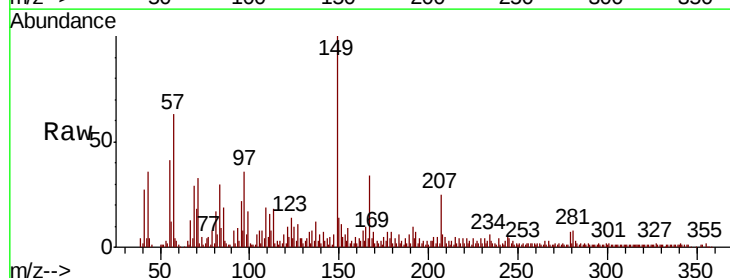
Tgt Ion:149 Resp: 49817

Ion Ratio Lower Upper

149 100

167 33.8 25.4 38.0

279 7.0 5.8 8.6

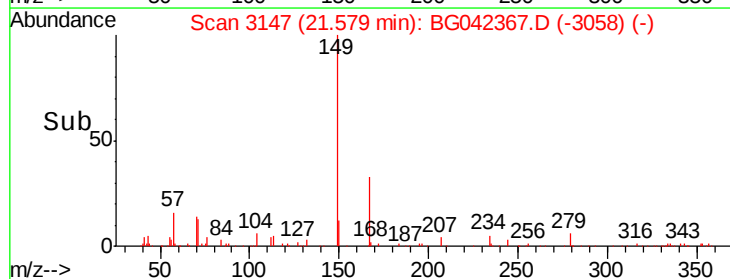
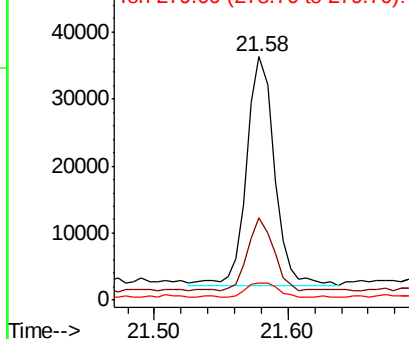


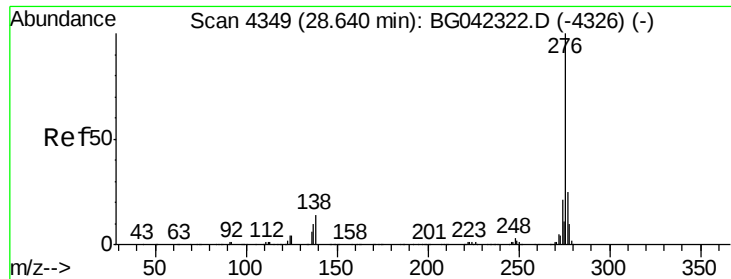
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

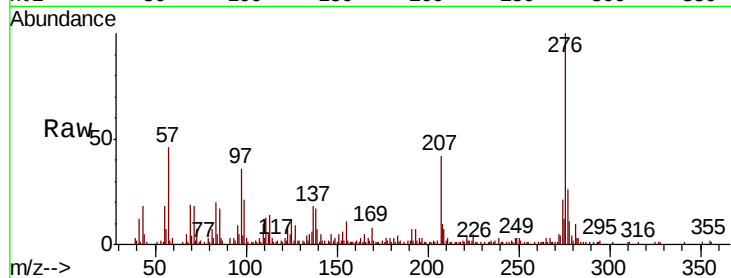




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.271 ng
 RT: 28.63 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: BG042367.D
 Acq: 20 Aug 2019 21:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.2	14.5	21.7#
277	25.1	21.0	31.4

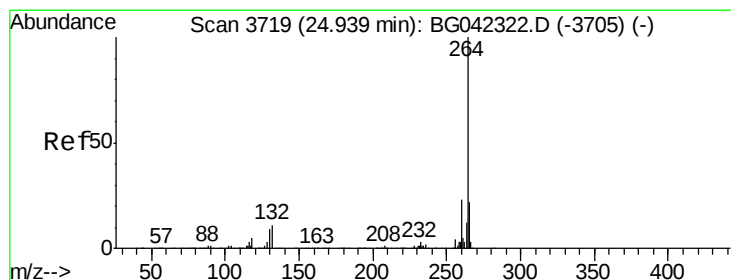
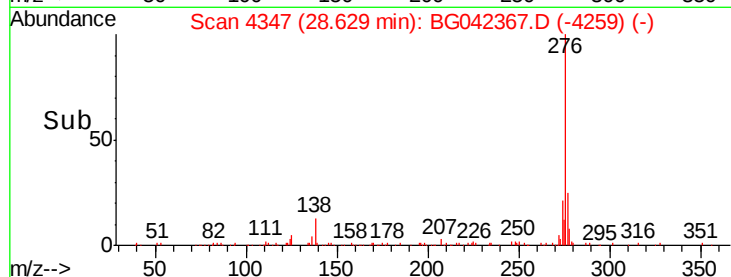
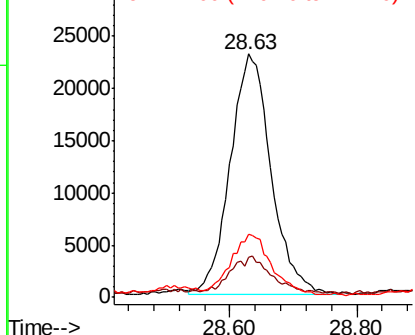


Abundance

Ion 276.00 (275.70 to 276.70): E

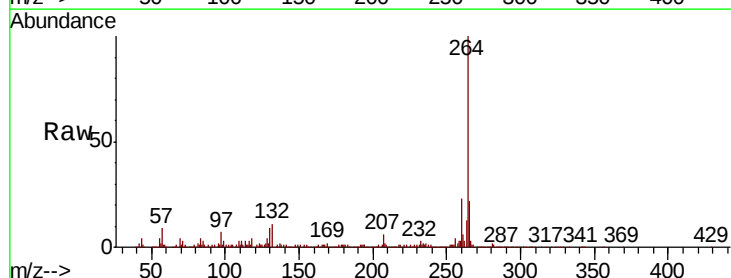
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.94 min Scan# 3719
 Delta R.T. 0.00 min
 Lab File: BG042367.D
 Acq: 20 Aug 2019 21:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	22.3	17.4	26.0

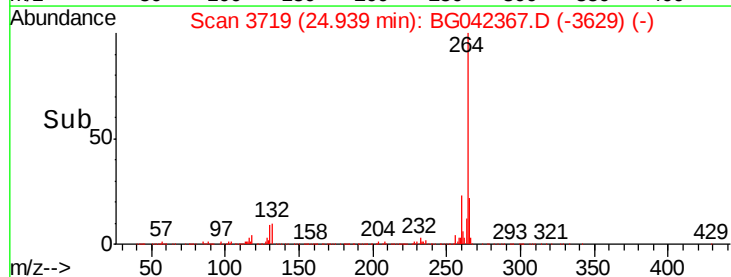
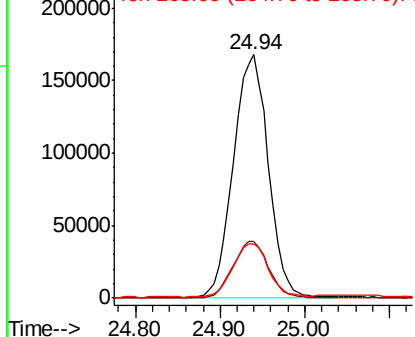


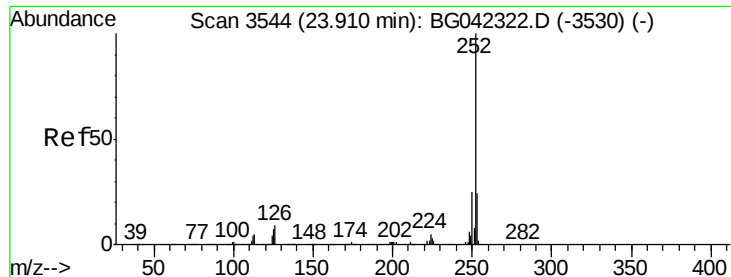
Abundance

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

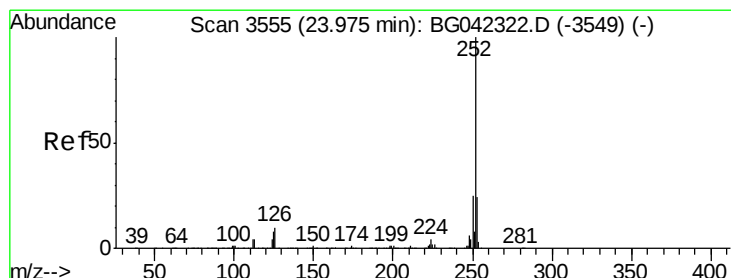
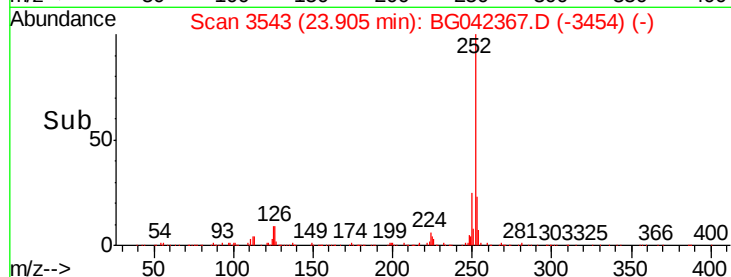
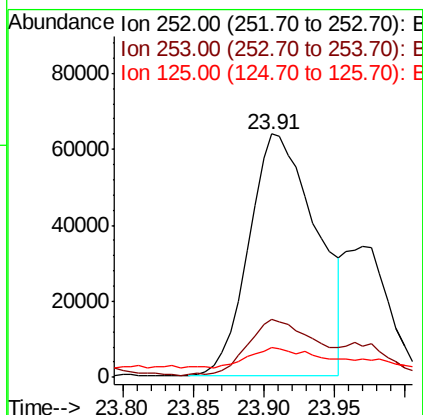
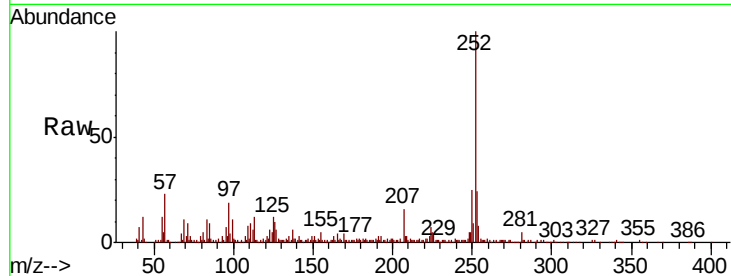




#88
Benzo(b)fluoranthene
Concen: 8.094 ng
RT: 23.91 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

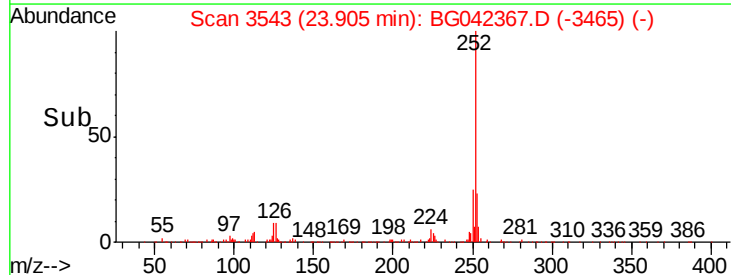
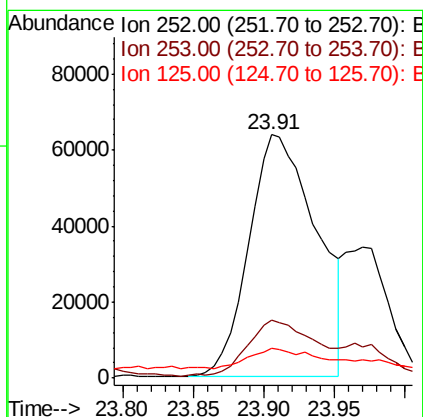
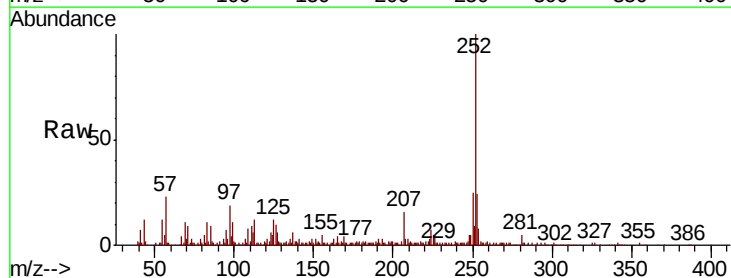
Instrument :
BNA_G
ClientSampleId :

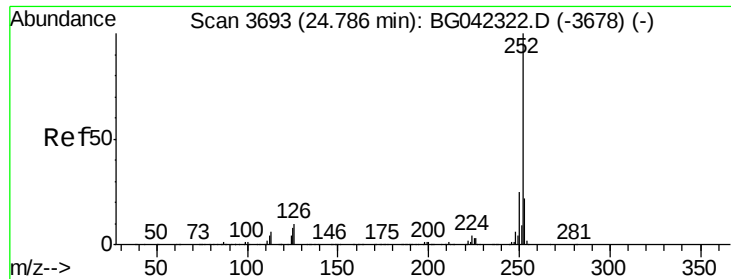
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	12.1	5.8	8.6



#89
Benzo(k)fluoranthene
Concen: 8.280 ng
RT: 23.91 min Scan# 3543
Delta R.T. -0.07 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.4
125	12.1	6.0	9.0

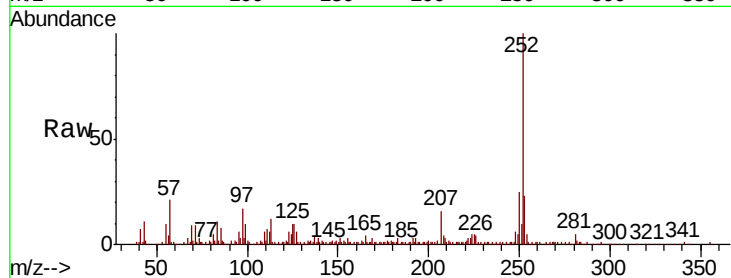




#90
Benzo(a)pyrene
Concen: 6.225 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.01 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	10.5	6.7	10.1

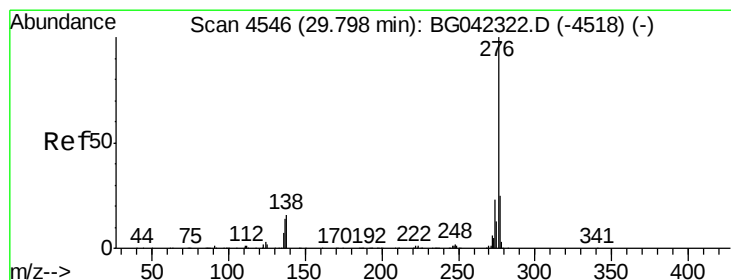
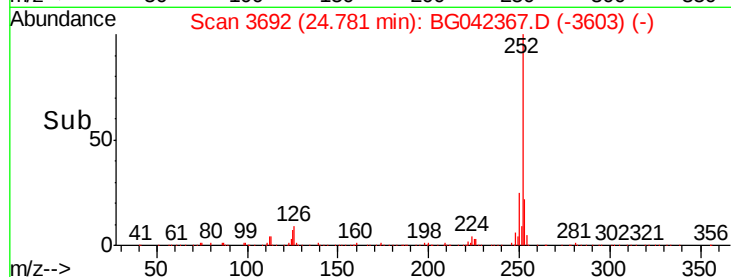
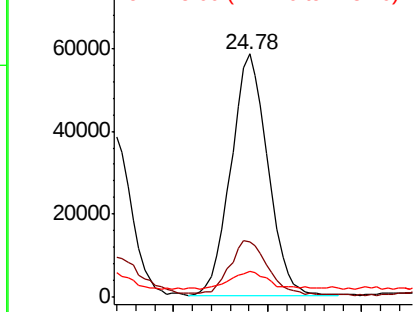


Abundance

Ion 252.00 (251.70 to 252.70): E

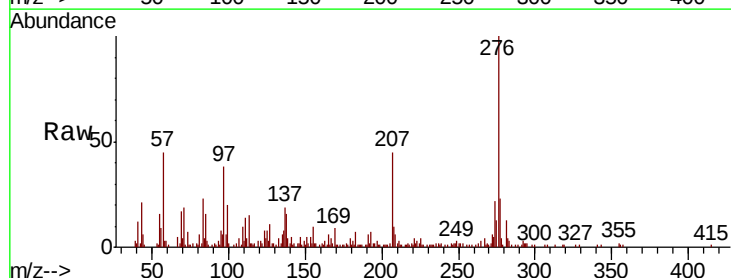
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.971 ng
RT: 29.78 min Scan# 4543
Delta R.T. -0.02 min
Lab File: BG042367.D
Acq: 20 Aug 2019 21:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.8	29.8
138	16.1	12.8	19.2



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

