

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042370.D
 Acq On : 20 Aug 2019 23:09
 Operator : HP/JU
 Sample : K4386-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 04:31:32 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	83425	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	319054	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	212920	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	418275	20.00	ng	0.00
76) Chrysene-d12	21.69	240	414844	20.00	ng	0.00
87) Perylene-d12	24.95	264	488611	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	373397	90.68	ng	0.00
7) Phenol-d6	7.17	99	520794	93.13	ng	0.00
23) Nitrobenzene-d5	9.17	82	305605	67.37	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	260340	89.77	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	784165	62.32	ng	0.00
79) Terphenyl-d14	20.03	244	1053763	55.64	ng	0.00

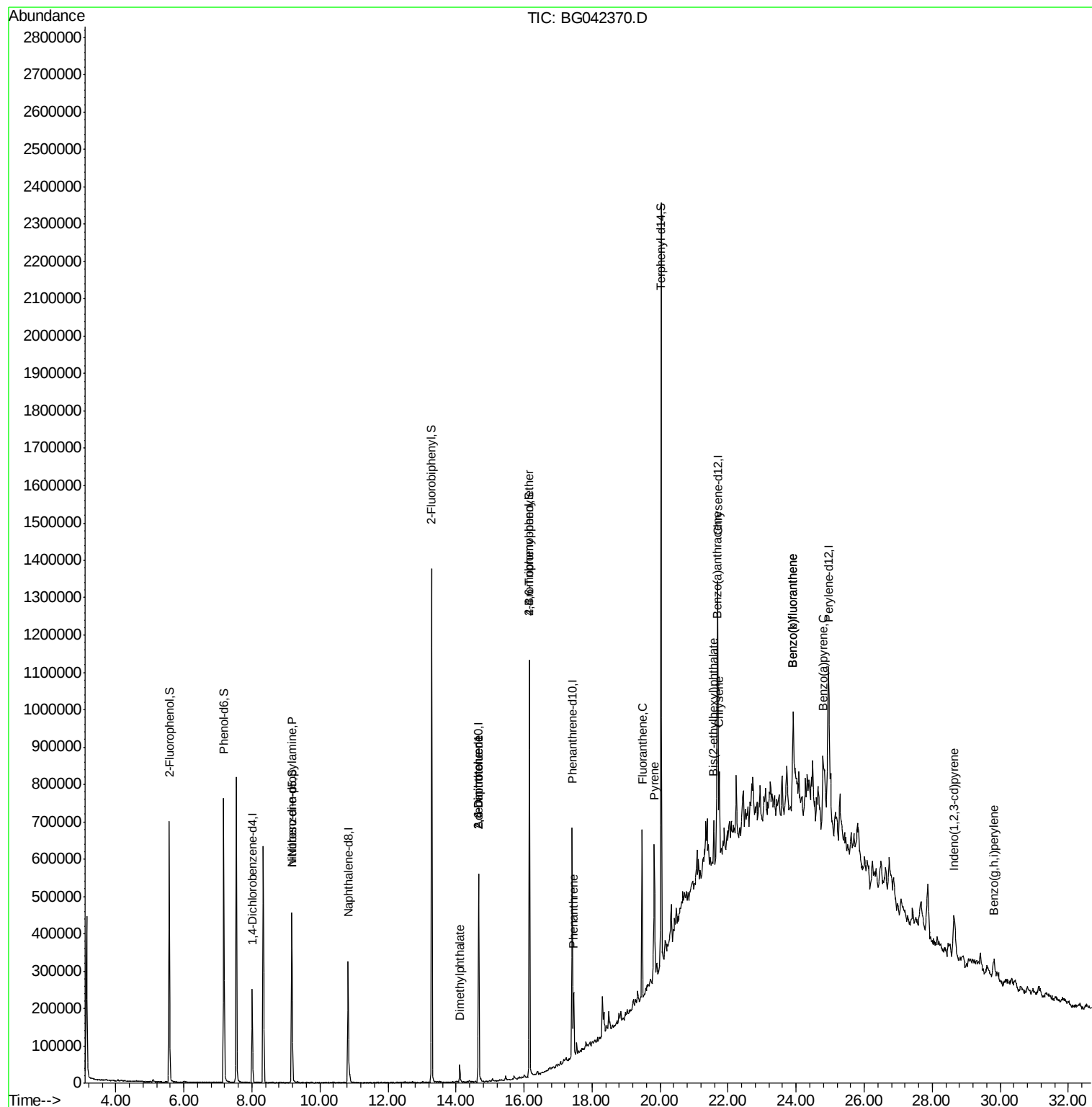
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.17	70	39879	11.087	ng	# 71
50) Dimethylphthalate	14.11	163	38476	2.543	ng	99
51) 2,6-Dinitrotoluene	14.66	165	27540	7.778	ng	# 40
57) 2,4-Dinitrotoluene	14.66	165	27540	5.563	ng	# 38
67) 4-Bromophenyl-phenylether	16.16	248	18065	3.394	ng	# 1
71) Phenanthrene	17.46	178	120975	5.807	ng	96
75) Fluoranthene	19.47	202	292311	11.636	ng	97
78) Pyrene	19.83	202	268790	10.530	ng	98
81) Benzo(a)anthracene	21.67	228	180337	7.079	ng	98
83) Chrysene	21.74	228	162916	6.685	ng	98
84) Bis(2-ethylhexyl)phthalate	21.58	149	51092	3.622	ng	99
86) Indeno(1,2,3-cd)pyrene	28.65	276	101552	3.121	ng	97
88) Benzo(b)fluoranthene	23.91	252	212222	7.902	ng	# 96
89) Benzo(k)fluoranthene	23.91	252	212222	8.084	ng	# 96
90) Benzo(a)pyrene	24.79	252	155062	6.025	ng	# 91
92) Benzo(g,h,i)perylene	29.81	276	101785	3.979	ng	97

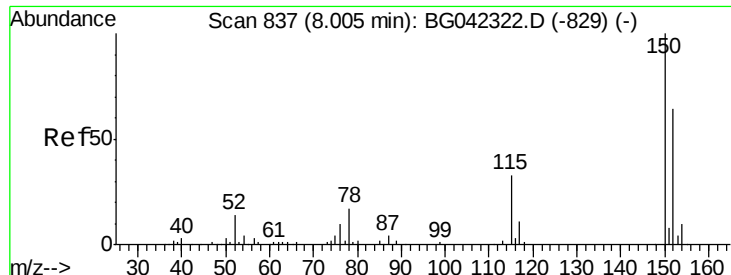
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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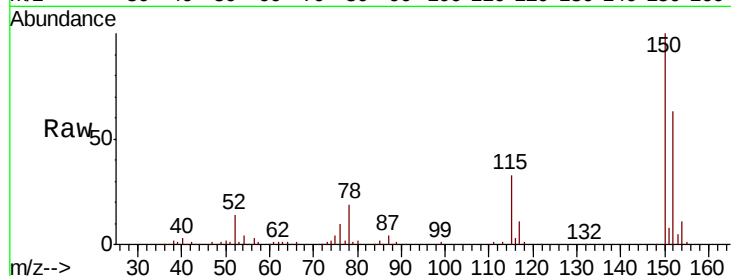


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.3	186.5
115	52.8	40.5	60.7

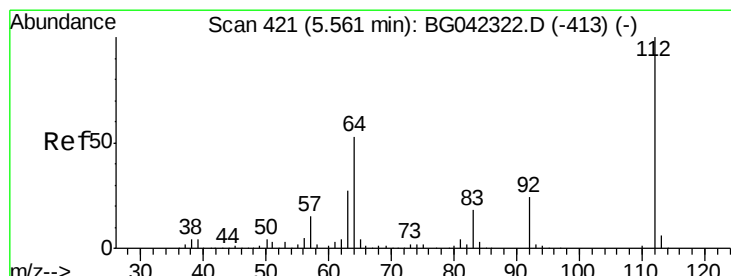
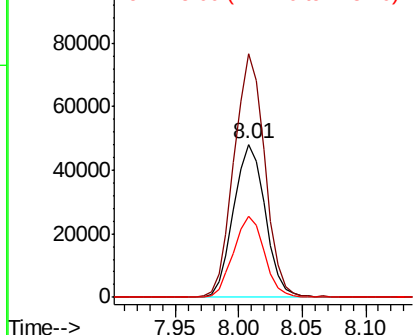
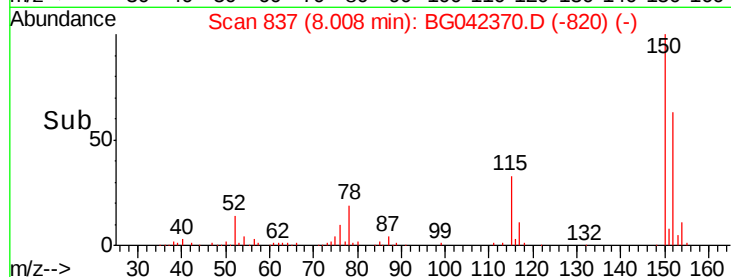


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

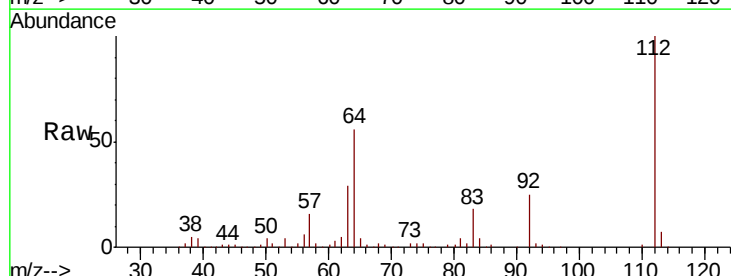
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.685 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	42.5	63.7
63	28.8	21.7	32.5

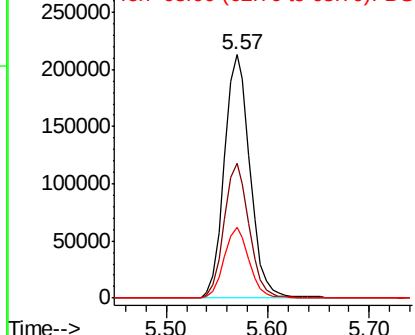
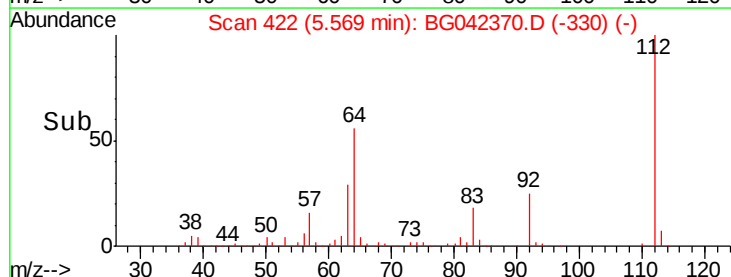


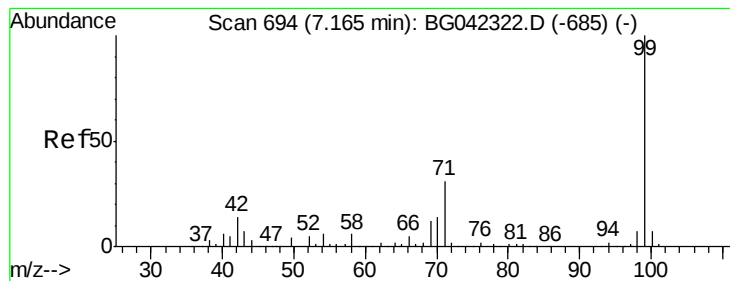
Abundance

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: 93.130 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

Instrument :

BNA_G

ClientSampleId :

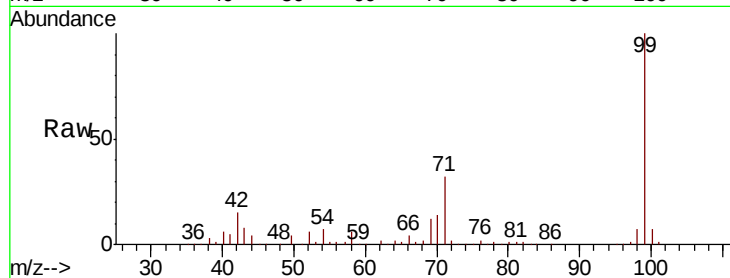
Tot Ion: 99 Resp: 520794

Ion Ratio Lower Upper

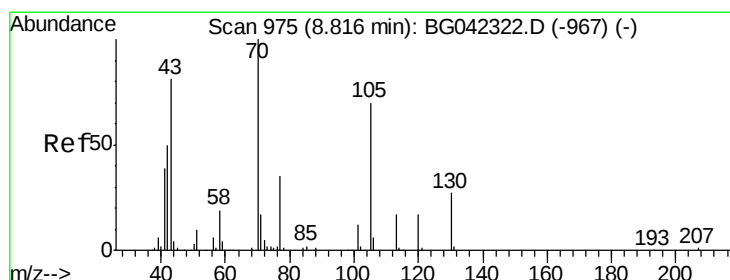
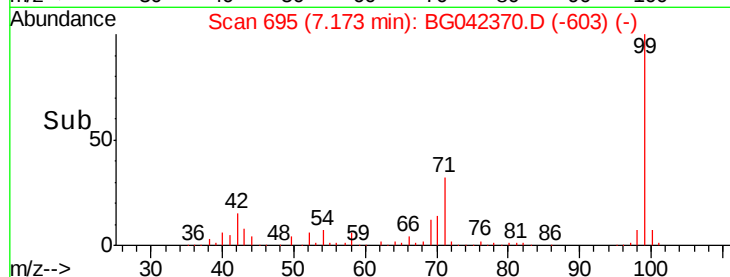
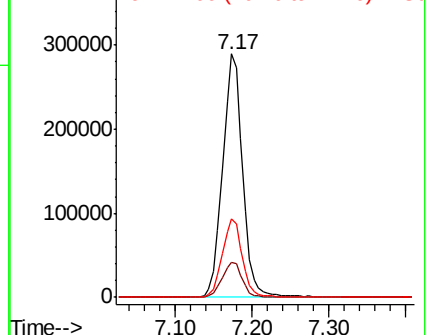
99 100

42 14.6 11.4 17.0

71 32.4 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: 11.087 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

Tgt Ion: 70 Resp: 39879

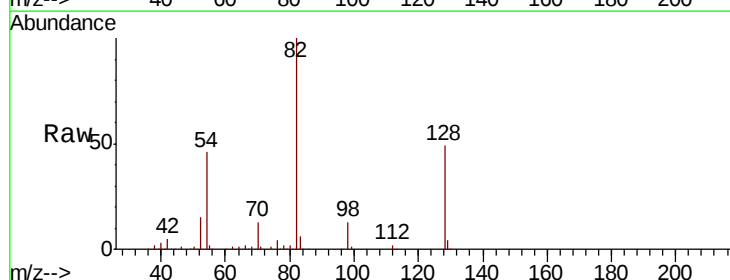
Ion Ratio Lower Upper

70 100

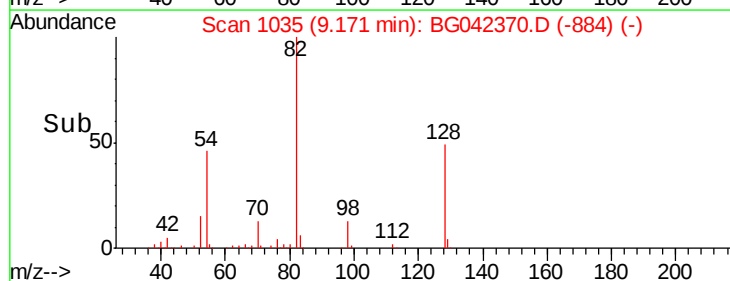
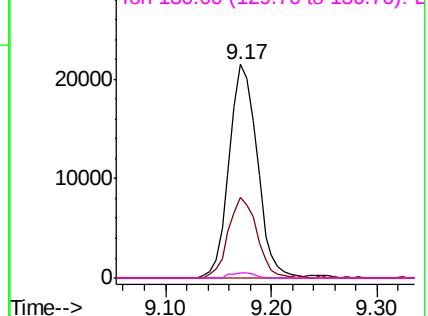
42 38.0 40.5 60.7#

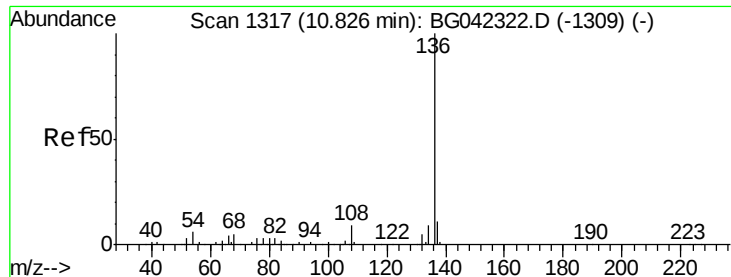
101 0.0 9.3 13.9#

130 2.6 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

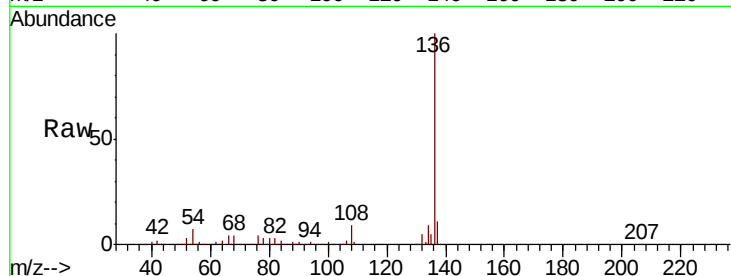




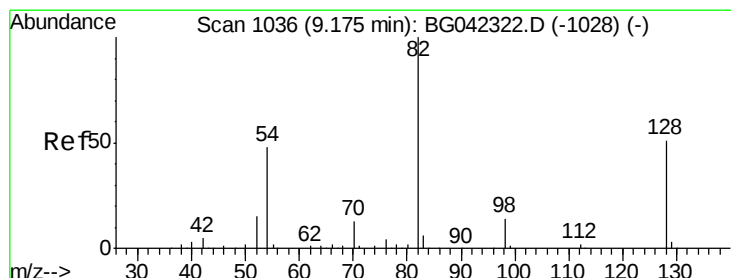
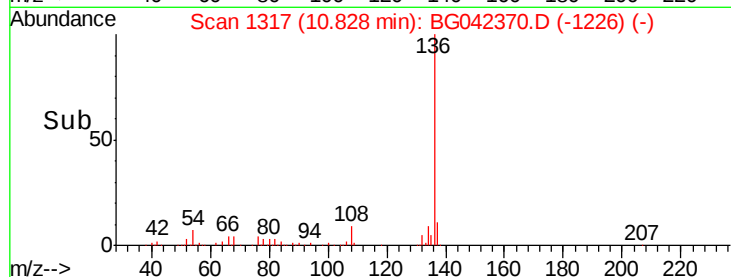
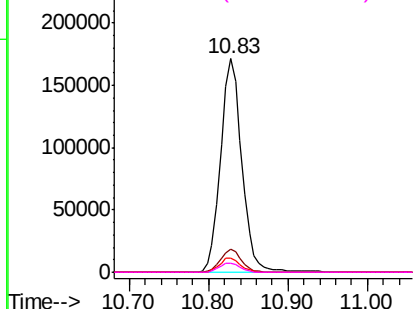
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	319054
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.4 12.6
54	6.5	5.0 7.4
68	4.2	3.8 5.8

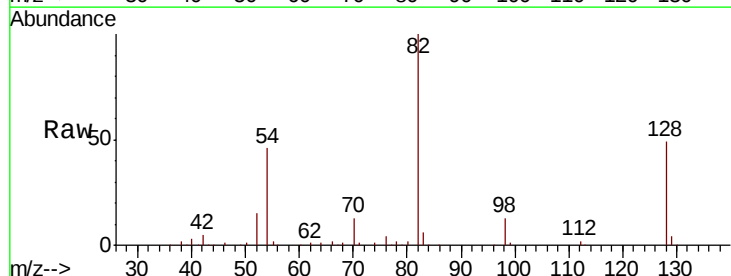


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

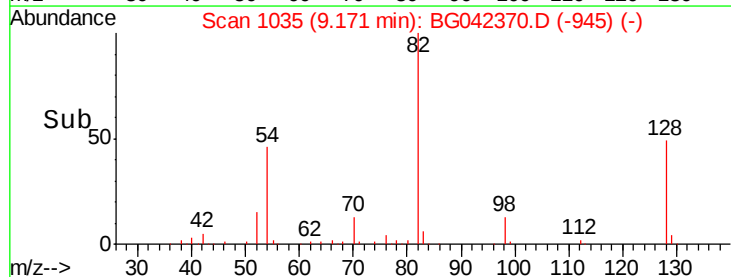
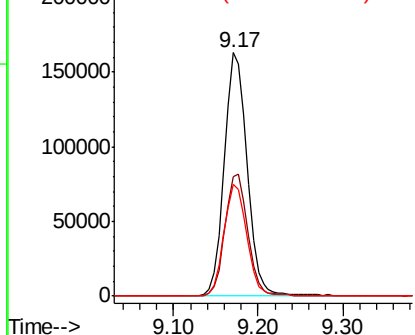


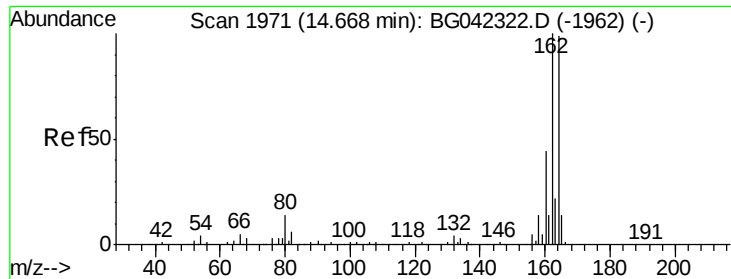
#23
Nitrobenzene-d5
Concen: 67.368 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Tgt Ion: 82	Resp:	305605
Ion	Ratio	Lower Upper
82	100	
128	49.1	41.0 61.4
54	45.8	38.0 57.0



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

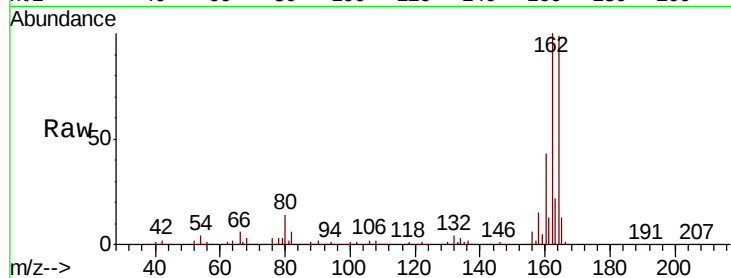




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	43.1	35.7	53.5

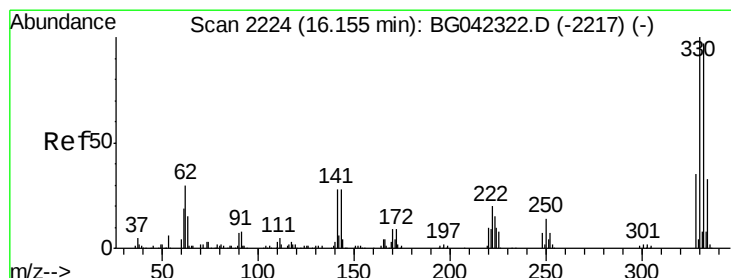
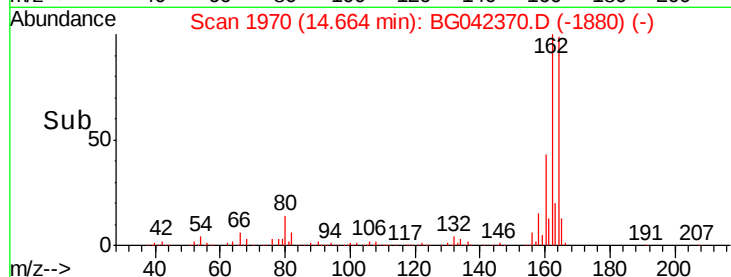
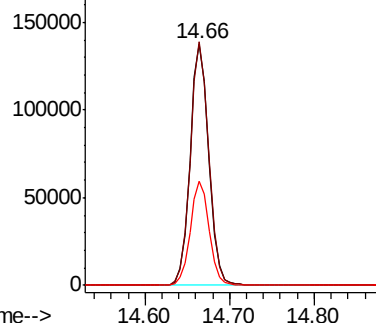


Abundance

Ion 164.00 (163.70 to 164.70): E

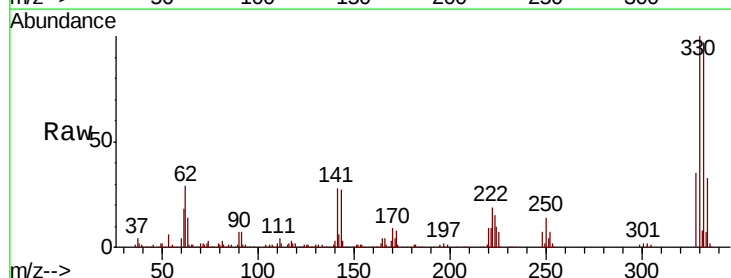
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 89.775 ng
RT: 16.16 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	28.3	21.8	32.6

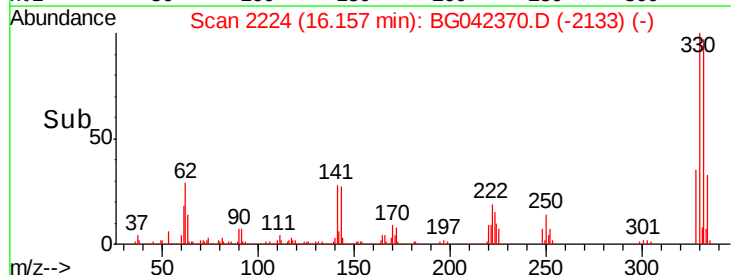
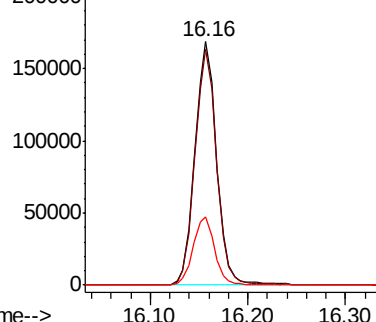


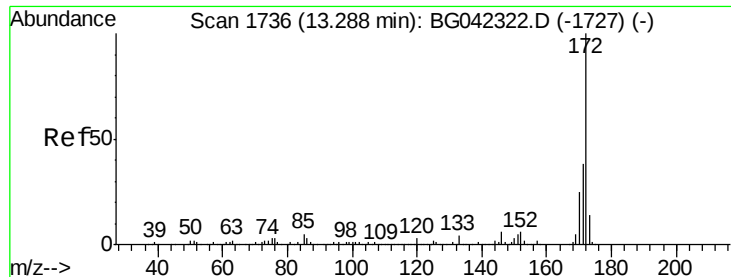
Abundance

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

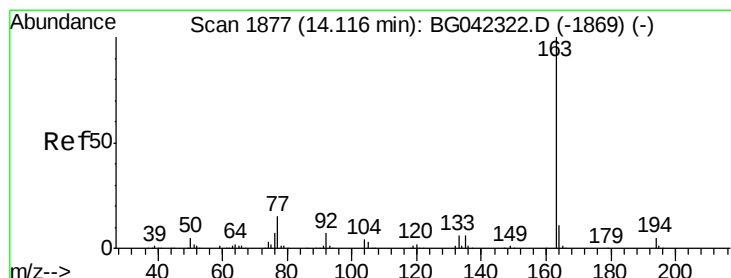
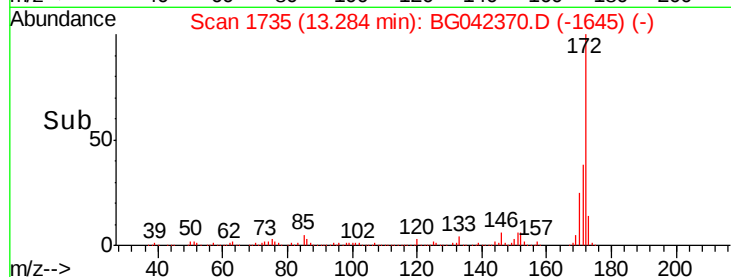
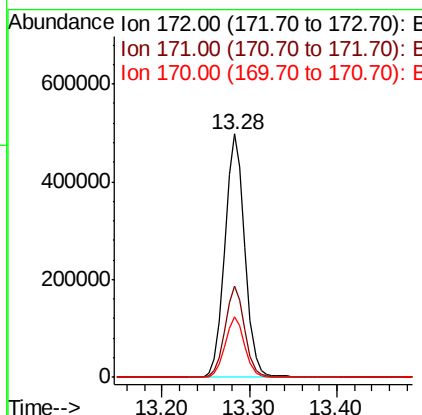
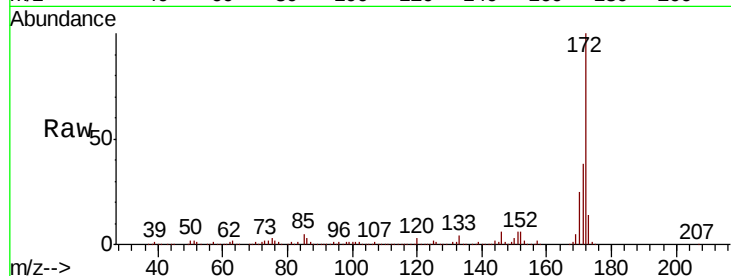




#45
2-Fluorobiphenyl
Concen: 62.321 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

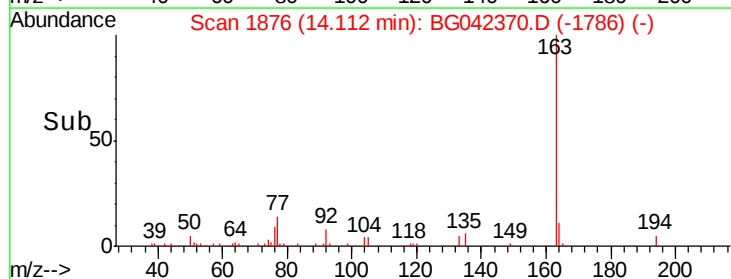
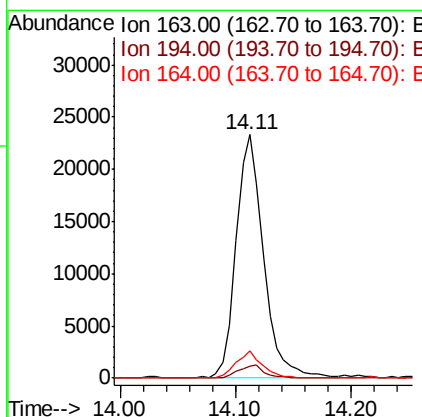
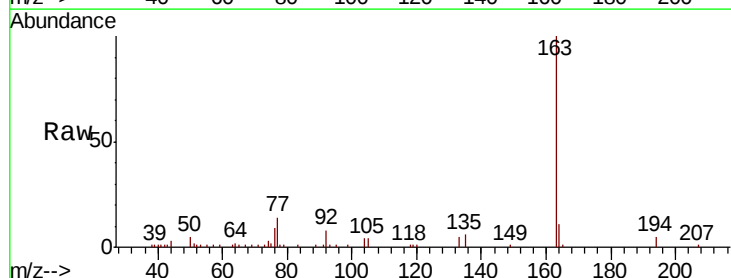
Instrument :
BNA_G
ClientSampleId :

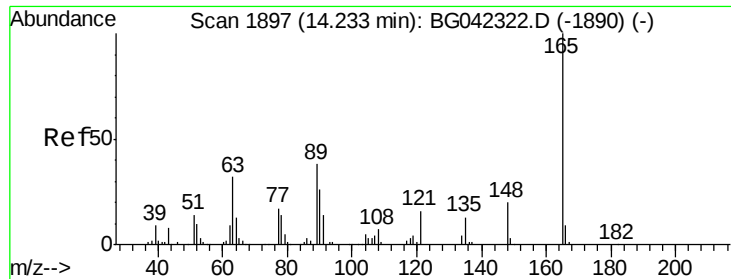
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.3	45.5
170	24.9	20.0	30.0



#50
Dimethylphthalate
Concen: 2.543 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	4.2	6.2
164	11.0	8.8	13.2

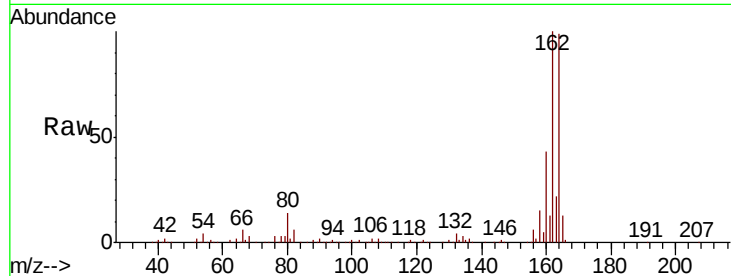




#51
 2,6-Dinitrotoluene
 Concen: 7.778 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042370.D
 Acq: 20 Aug 2019 23:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.2	42.2#
89	1.3	30.0	45.0#

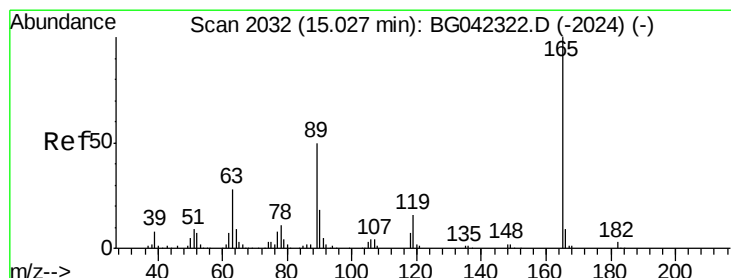
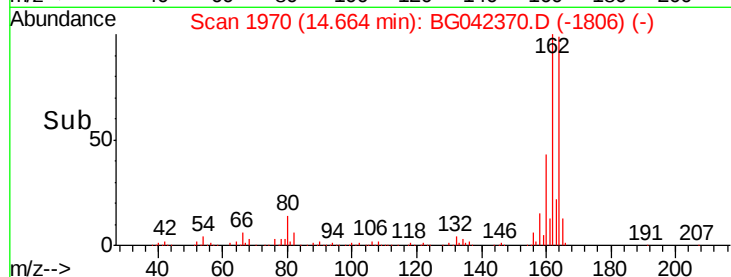
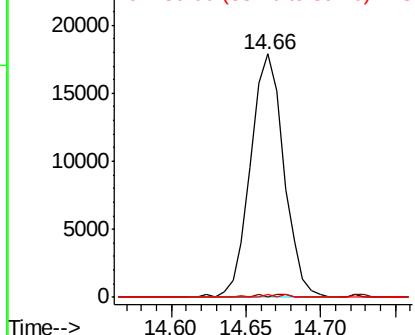


Abundance

Ion 165.00 (164.70 to 165.70): E

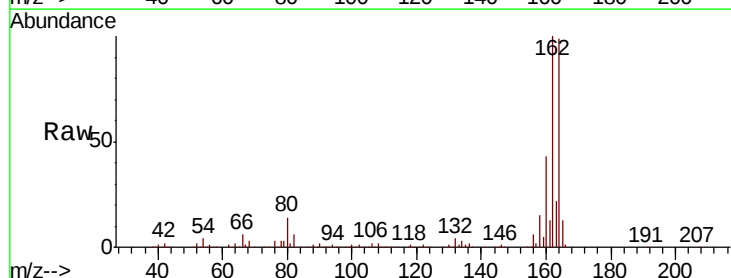
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.563 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042370.D
 Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.4	33.6#
89	1.3	40.2	60.2#
182	0.0	2.6	3.8#



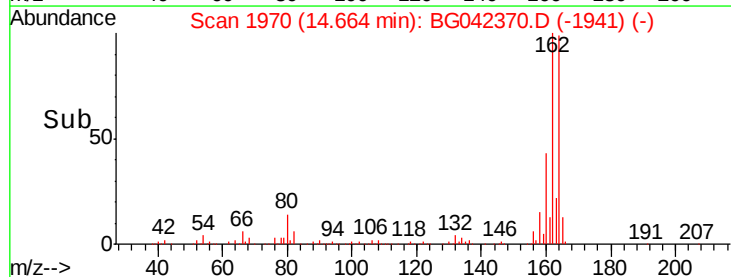
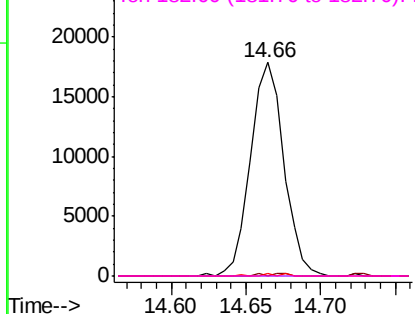
Abundance

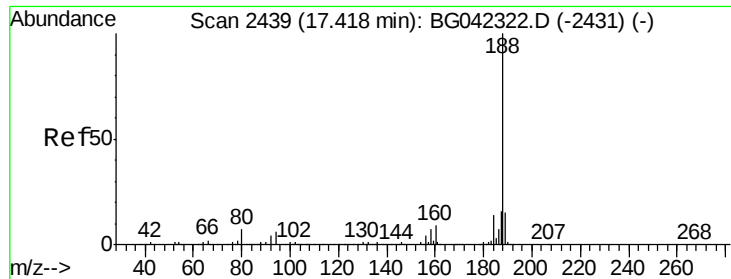
Ion 165.00 (164.70 to 165.70): E

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. -0.00 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

Instrument :

BNA_G

ClientSampleId :

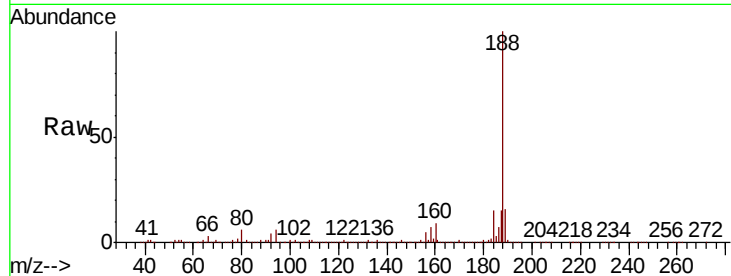
Tot Ion:188 Resp: 418275

Ion Ratio Lower Upper

188 100

94 6.4 4.9 7.3

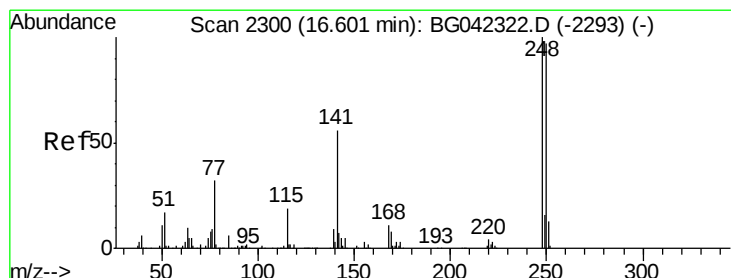
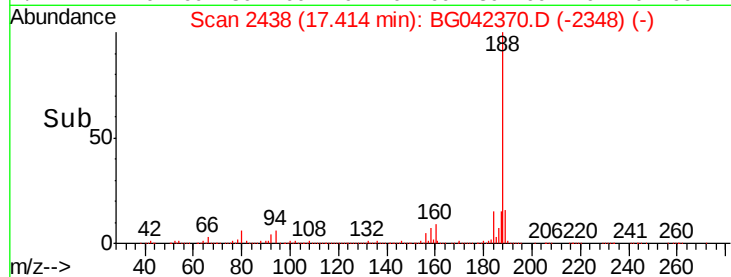
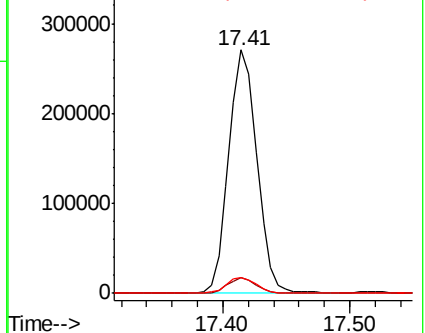
80 6.5 5.4 8.0



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: 3.394 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.44 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

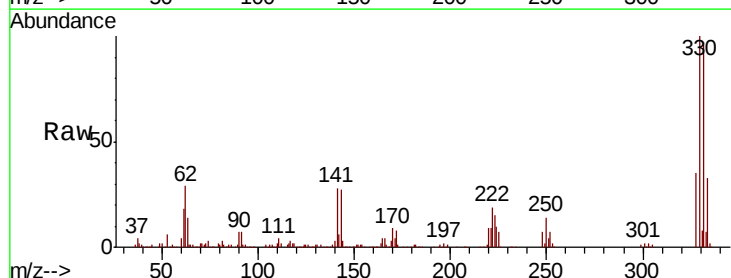
Tgt Ion:248 Resp: 18065

Ion Ratio Lower Upper

248 100

250 192.9 78.0 117.0#

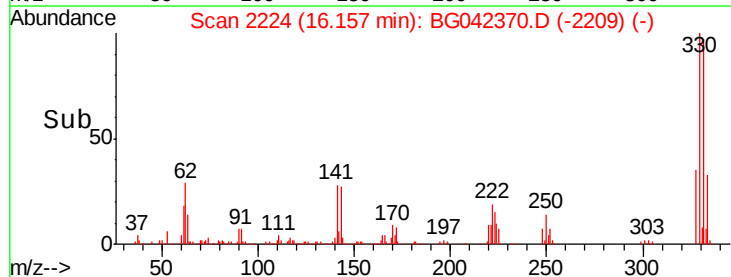
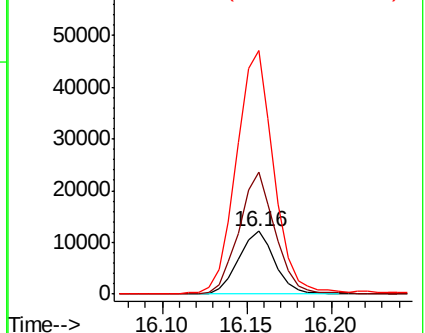
141 386.9 44.9 67.3#

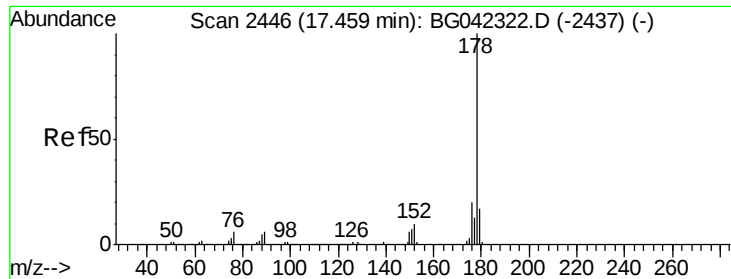


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

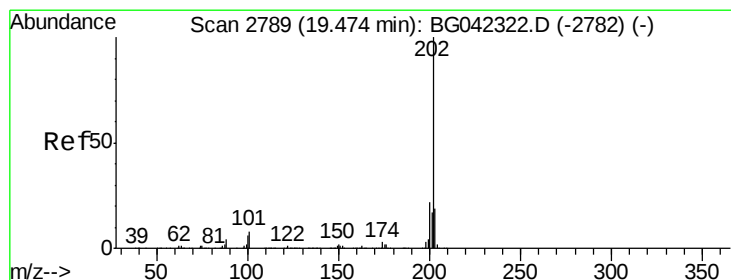
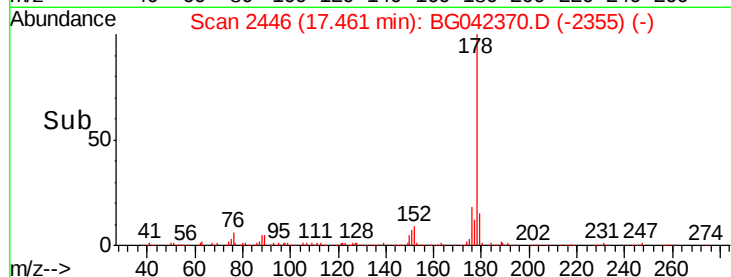
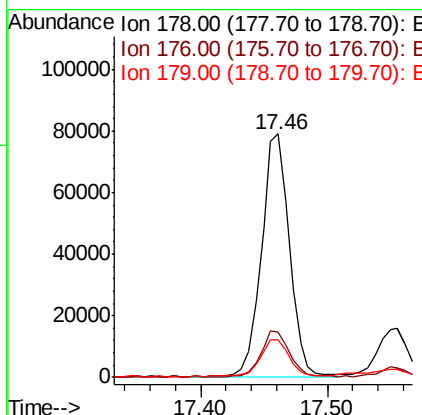
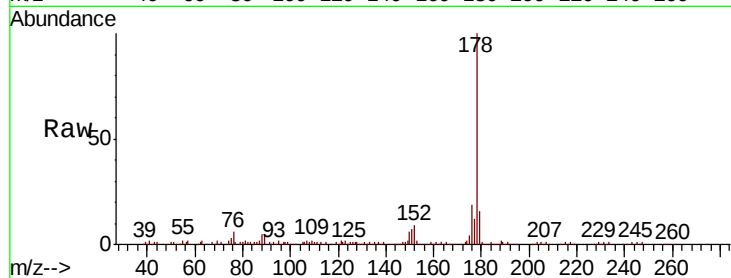




#71
Phenanthrene
Concen: 5.807 ng
RT: 17.46 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

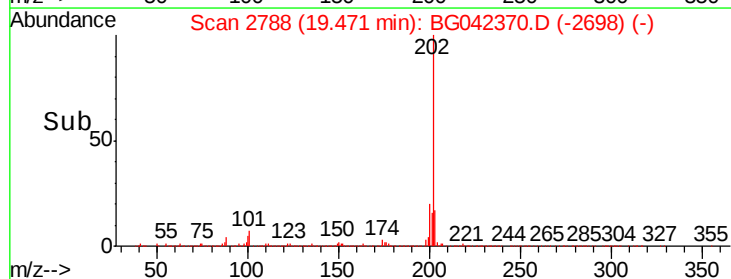
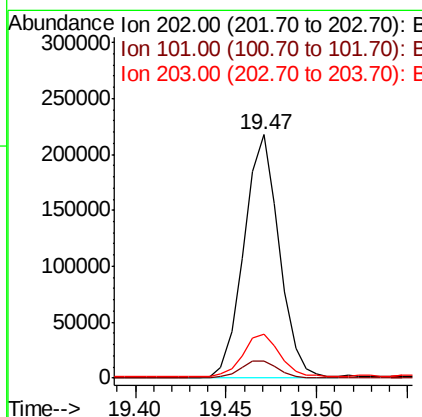
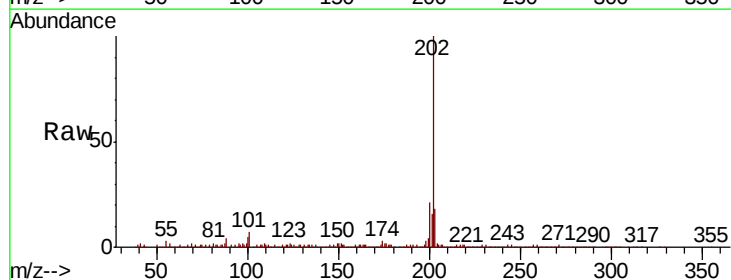
Instrument :
BNA_G
ClientSampleId :

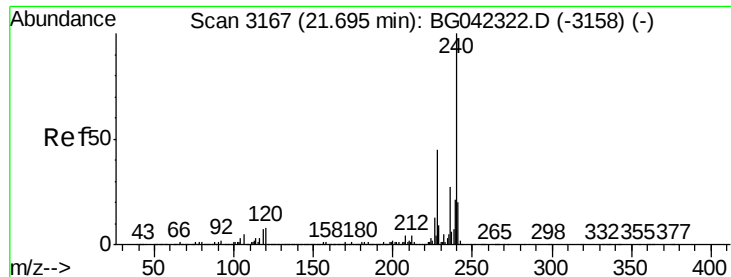
Tot Ion:178 Resp: 120975
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 15.6 13.7 20.5



#75
Fluoranthene
Concen: 11.636 ng
RT: 19.47 min Scan# 2788
Delta R.T. -0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Tgt Ion:202 Resp: 292311
Ion Ratio Lower Upper
202 100
101 6.9 0.0 28.0
203 17.9 0.0 39.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

Instrument :

BNA_G

ClientSampleId :

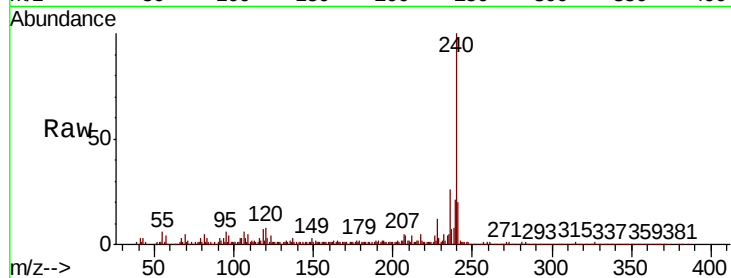
Tot Ion:240 Resp: 414844

Ion Ratio Lower Upper

240 100

120 8.2 6.0 9.0

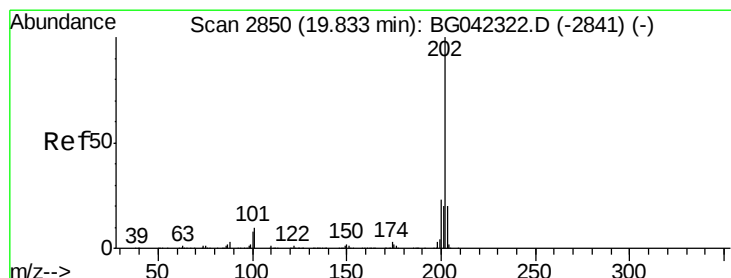
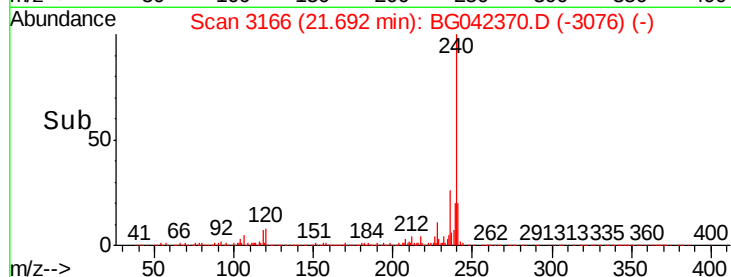
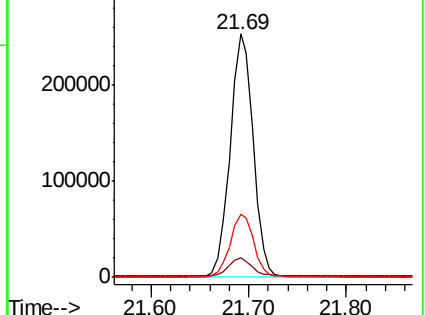
236 25.7 21.6 32.4



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: 10.530 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

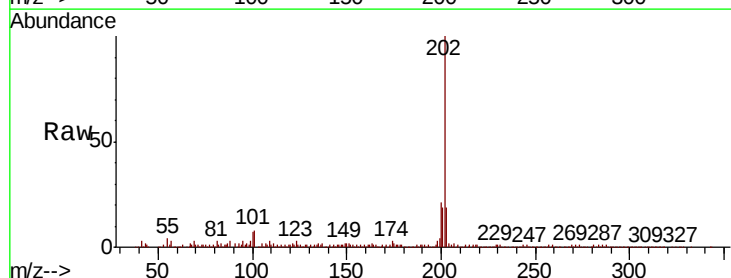
Tgt Ion:202 Resp: 268790

Ion Ratio Lower Upper

202 100

200 21.2 18.1 27.1

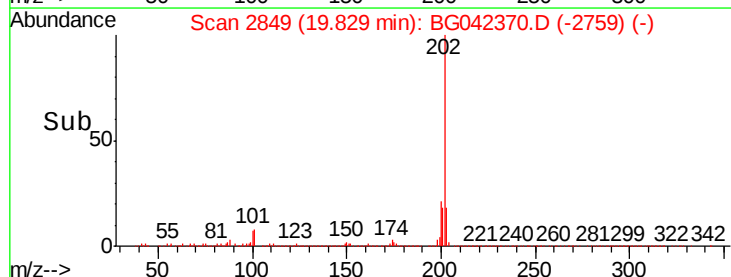
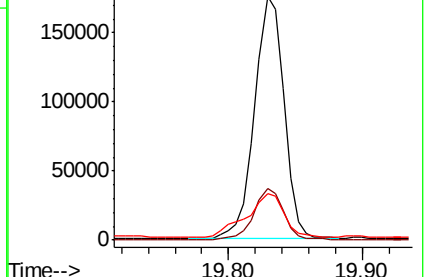
203 19.0 15.8 23.8

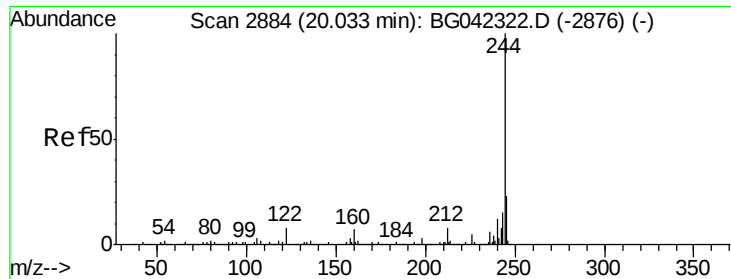


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

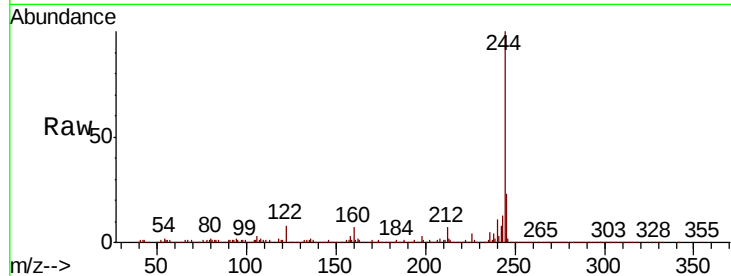




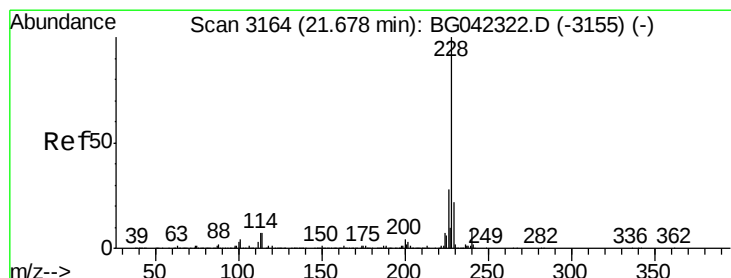
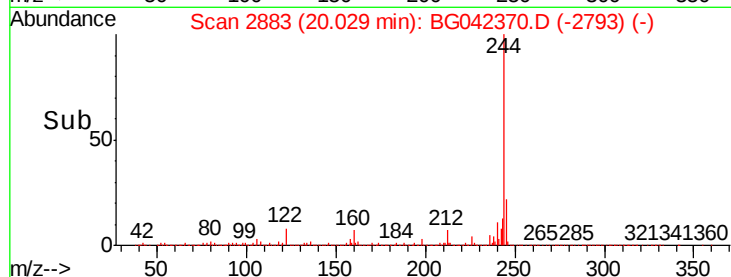
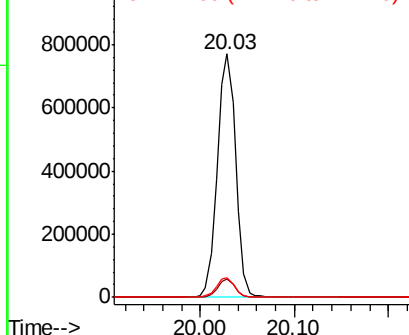
#79
 Terphenyl-d14
 Concen: 55.636 ng
 RT: 20.03 min Scan# 2883
 Delta R.T. -0.00 min
 Lab File: BG042370.D
 Acq: 20 Aug 2019 23:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1053763
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.4 9.6
 122 7.9 6.6 10.0

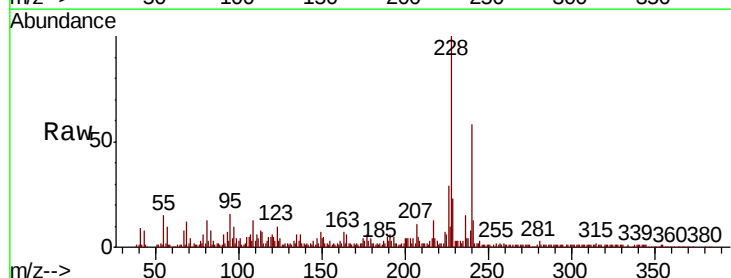


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

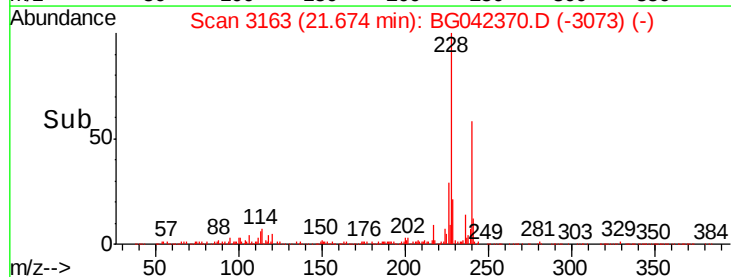
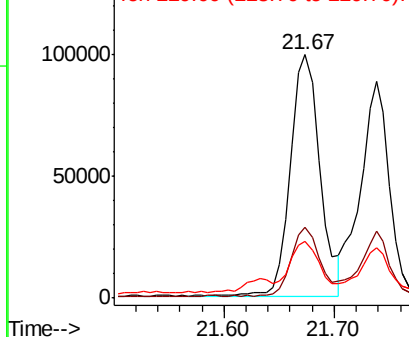


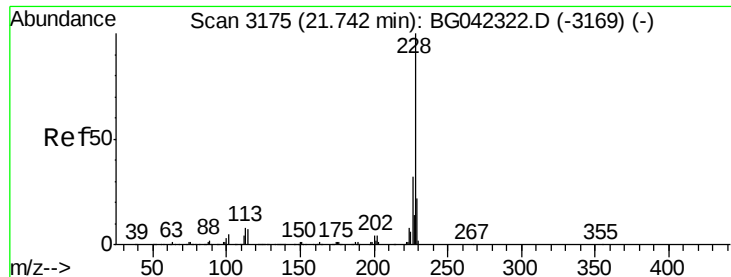
#81
 Benzo(a)anthracene
 Concen: 7.079 ng
 RT: 21.67 min Scan# 3163
 Delta R.T. -0.00 min
 Lab File: BG042370.D
 Acq: 20 Aug 2019 23:09

Tgt Ion:228 Resp: 180337
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.7 34.1
 229 23.3 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: 6.685 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

Instrument :

BNA_G

ClientSampleId :

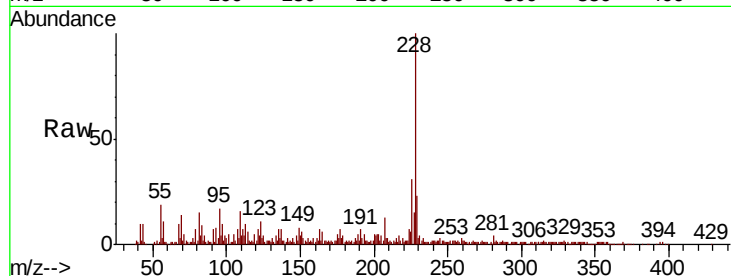
Tot Ion:228 Resp: 162916

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.6	38.4
229	23.2	17.8	26.6

228 100

226 31.1 25.6 38.4

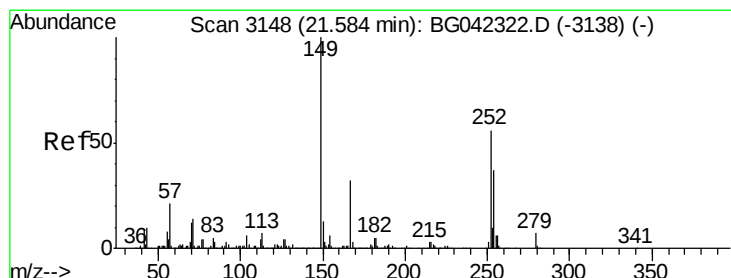
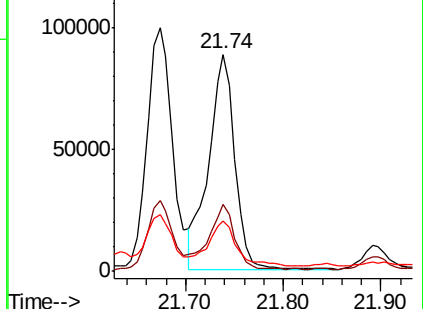
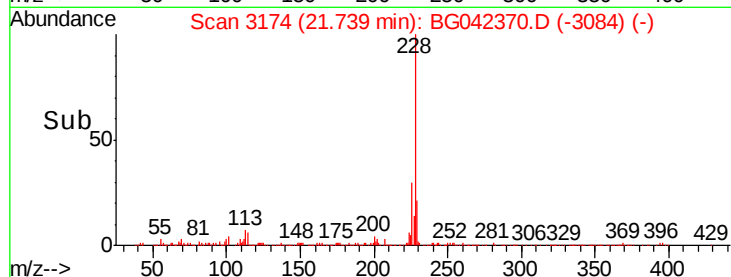
229 23.2 17.8 26.6



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: 3.622 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG042370.D

Acq: 20 Aug 2019 23:09

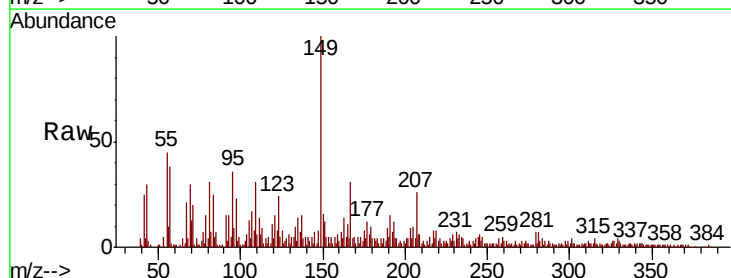
Tgt Ion:149 Resp: 51092

Ion	Ratio	Lower	Upper
149	100		
167	31.3	25.4	38.0
279	7.0	5.8	8.6

149 100

167 31.3 25.4 38.0

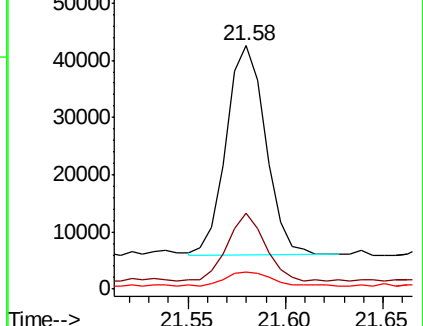
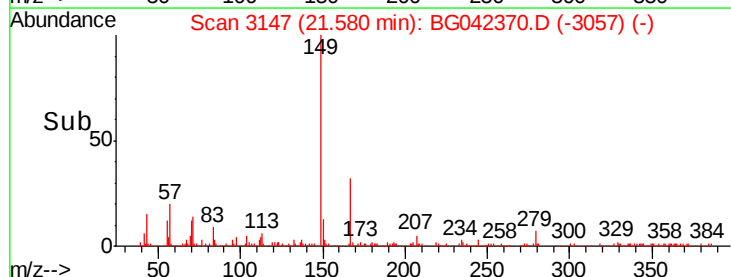
279 7.0 5.8 8.6

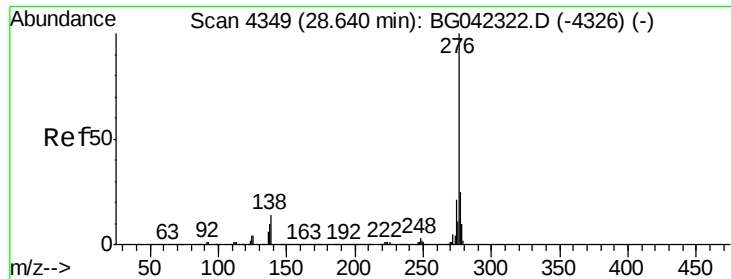


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

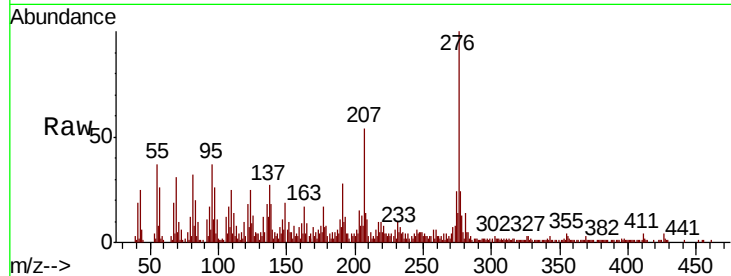




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.121 ng
 RT: 28.65 min Scan# 4350
 Delta R.T. 0.01 min
 Lab File: BG042370.D
 Acq: 20 Aug 2019 23:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.6	14.5	21.7
277	25.2	21.0	31.4

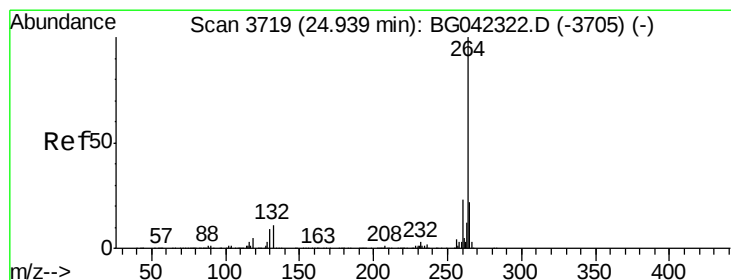
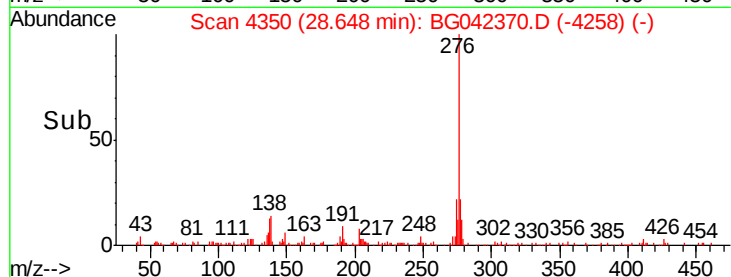
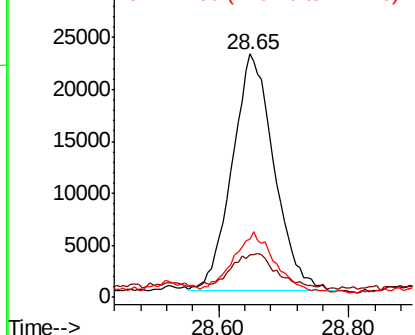


Abundance

Ion 276.00 (275.70 to 276.70): E

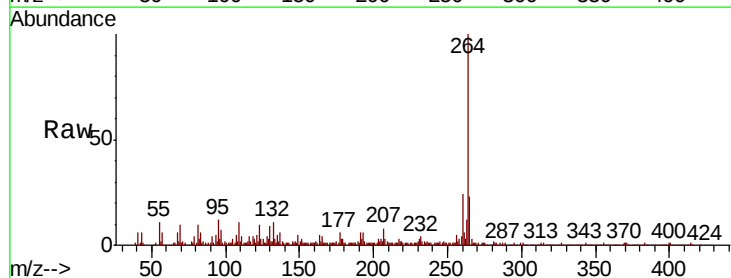
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.95 min Scan# 3720
 Delta R.T. 0.01 min
 Lab File: BG042370.D
 Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.4	27.6
265	22.6	17.4	26.0

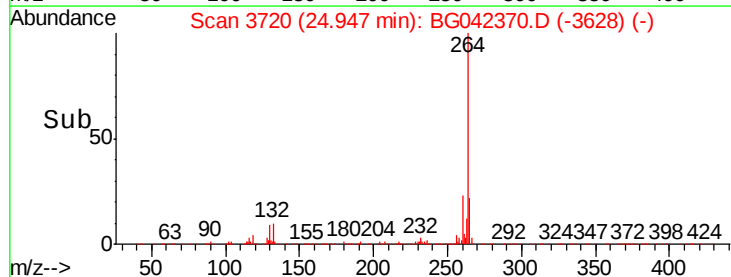
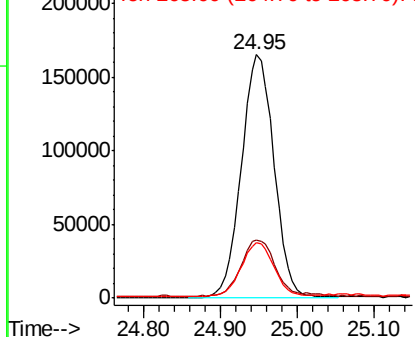


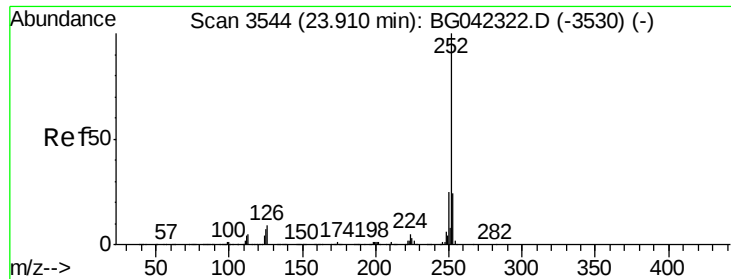
Abundance

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: 7.902 ng

RT: 23.91 min Scan# 3544

Delta R.T. 0.00 min

Lab File: BG042370.D

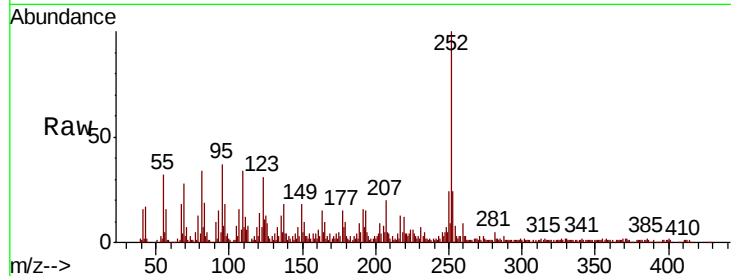
Acq: 20 Aug 2019 23:09

Instrument :

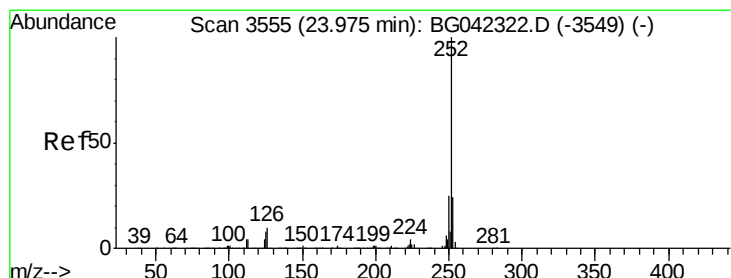
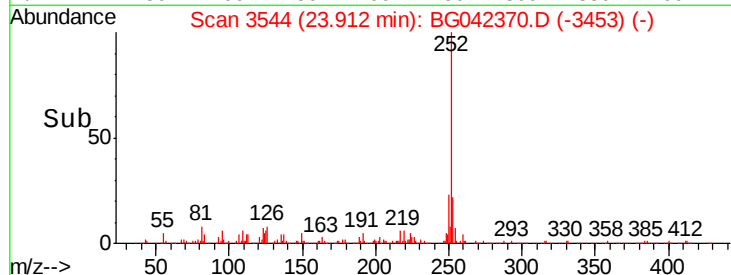
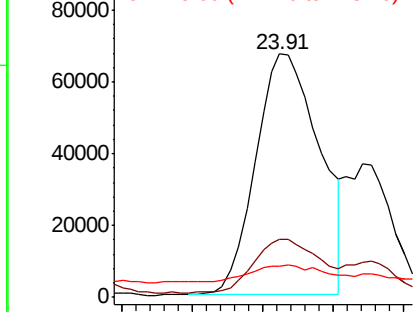
BNA_G

ClientSampleId :

Tot Ion:252	Resp:	212222
Ion Ratio	Lower	Upper
252	100	
253	23.6	18.9 28.3
125	12.6	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



#89

Benzo(k)fluoranthene

Concen: 8.084 ng

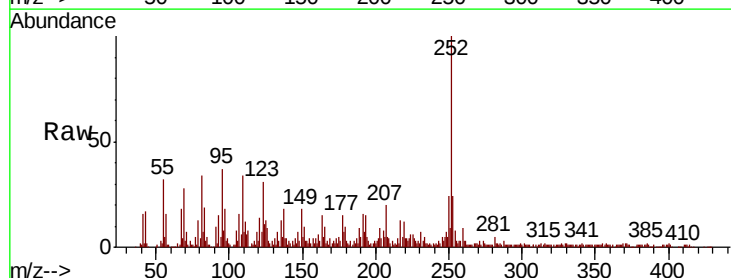
RT: 23.91 min Scan# 3544

Delta R.T. -0.06 min

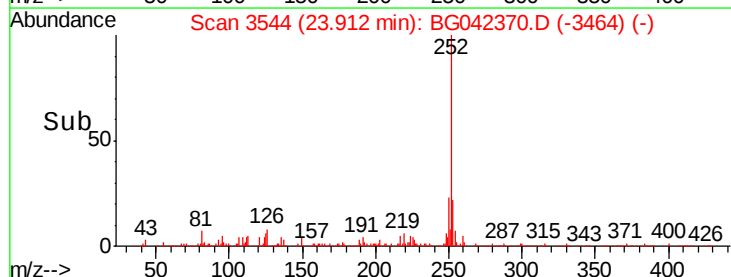
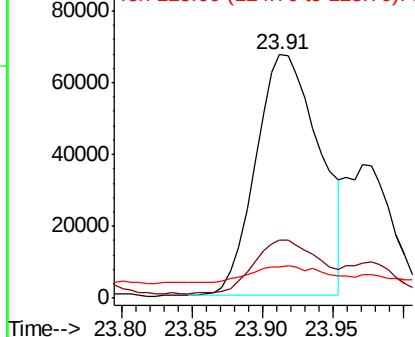
Lab File: BG042370.D

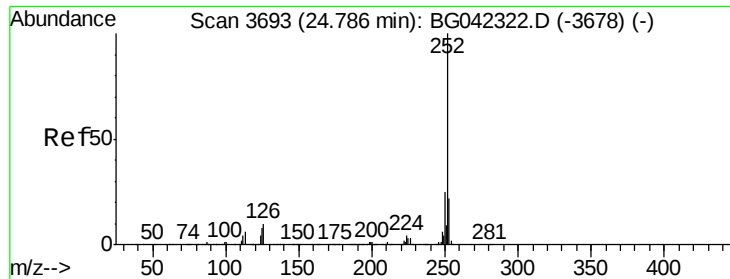
Acq: 20 Aug 2019 23:09

Tgt Ion:252	Resp:	212222
Ion Ratio	Lower	Upper
252	100	
253	23.6	19.0 28.4
125	12.6	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

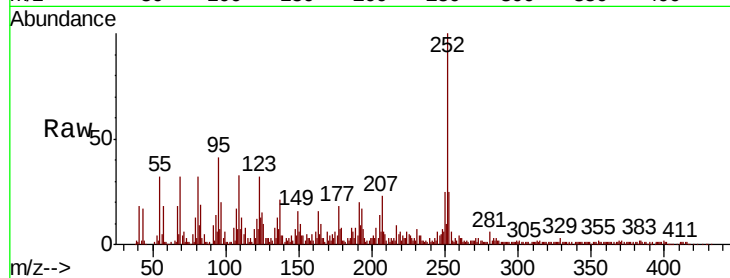




#90
Benzo(a)pyrene
Concen: 6.025 ng
RT: 24.79 min Scan# 3693
Delta R.T. 0.00 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	14.6	6.7	10.1

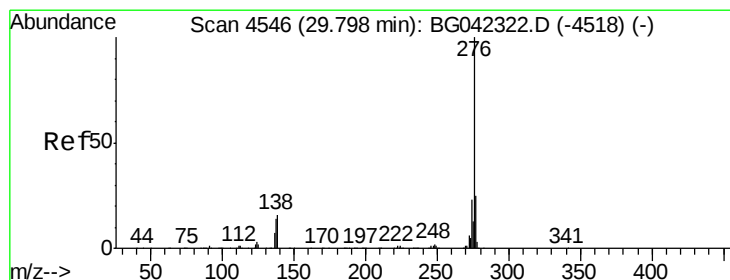
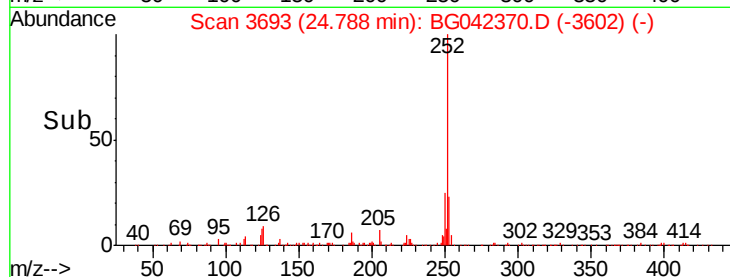
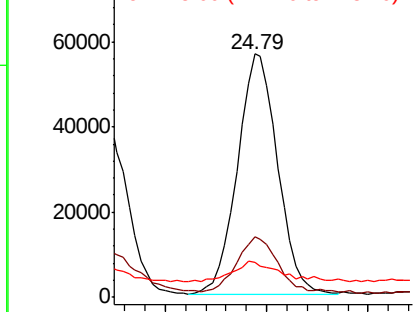


Abundance

Ion 252.00 (251.70 to 252.70): E

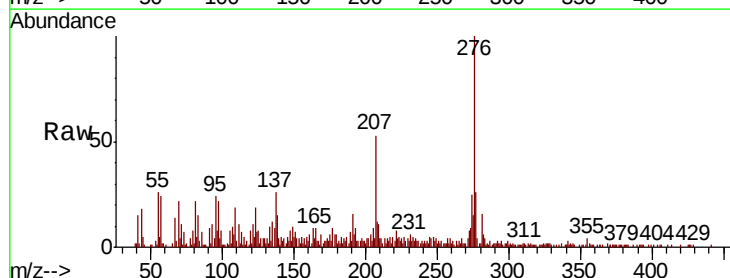
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.979 ng
RT: 29.81 min Scan# 4547
Delta R.T. 0.01 min
Lab File: BG042370.D
Acq: 20 Aug 2019 23:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.8	29.8
138	14.6	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

