

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042368.D
 Acq On : 20 Aug 2019 21:52
 Operator : HP/JU
 Sample : K4386-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 04:30:45 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	71807	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	275583	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	197811	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	391975	20.00	ng	0.00
76) Chrysene-d12	21.69	240	407826	20.00	ng	0.00
87) Perylene-d12	24.94	264	483260	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	369481	104.25	ng	0.00
7) Phenol-d6	7.17	99	518186	107.66	ng	0.00
23) Nitrobenzene-d5	9.17	82	293782	74.98	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	274771	101.99	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	719783	61.57	ng	0.00
79) Terphenyl-d14	20.03	244	1041893	55.96	ng	0.00

Target Compounds

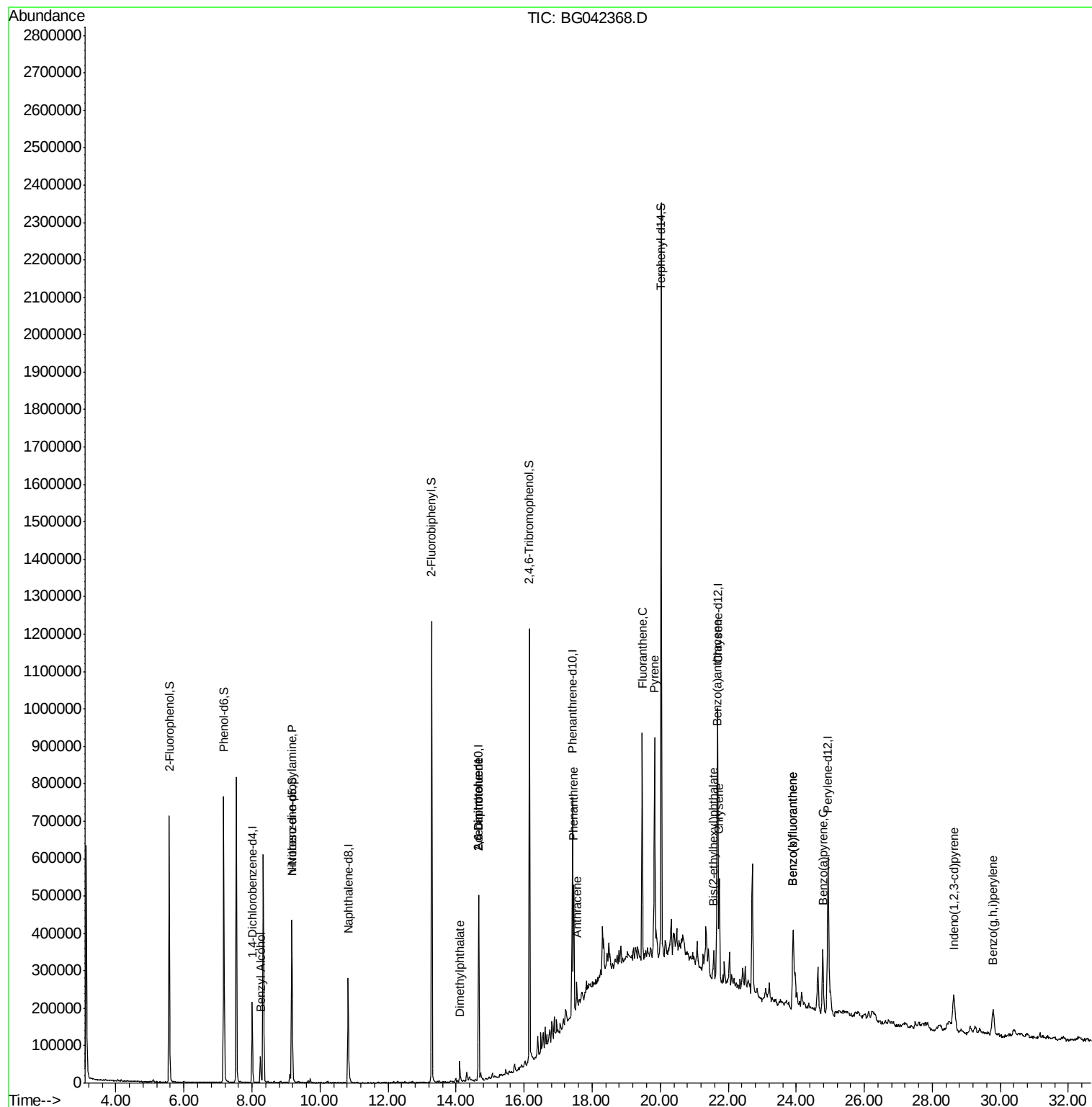
						Qvalue
15) Benzyl Alcohol	8.25	79	28024	8.466	ng	96
19) n-Nitroso-di-n-propylamine	9.17	70	37581	12.139	ng	# 73
50) Dimethylphthalate	14.11	163	47486	3.378	ng	98
51) 2,6-Dinitrotoluene	14.66	165	26980	8.201	ng	# 41
57) 2,4-Dinitrotoluene	14.66	165	26980	5.866	ng	# 39
71) Phenanthrene	17.46	178	235513	12.064	ng	98
72) Anthracene	17.55	178	53448	2.745	ng	97
75) Fluoranthene	19.47	202	418989	17.798	ng	99
78) Pyrene	19.83	202	381819	15.215	ng	98
81) Benzo(a)anthracene	21.67	228	220049	8.786	ng	97
83) Chrysene	21.74	228	197498	8.243	ng	97
84) Bis(2-ethylhexyl)phthalate	21.58	149	41189	2.970	ng	98
86) Indeno(1,2,3-cd)pyrene	28.63	276	145238	4.540	ng	97
88) Benzo(b)fluoranthene	23.90	252	280603	10.564	ng	99
89) Benzo(k)fluoranthene	23.90	252	280603	10.807	ng	99
90) Benzo(a)pyrene	24.78	252	205286	8.065	ng	95
92) Benzo(a,h,i)perylene	29.79	276	145403	5.746	ng	97

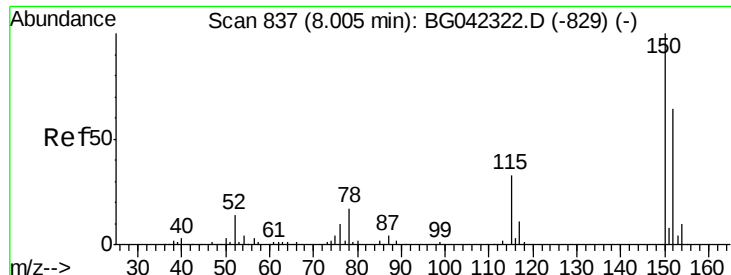
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
Data File : BG042368.D
Acq On : 20 Aug 2019 21:52
Operator : HP/JU
Sample : K4386-20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :

Quant Time: Aug 21 04:30:45 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



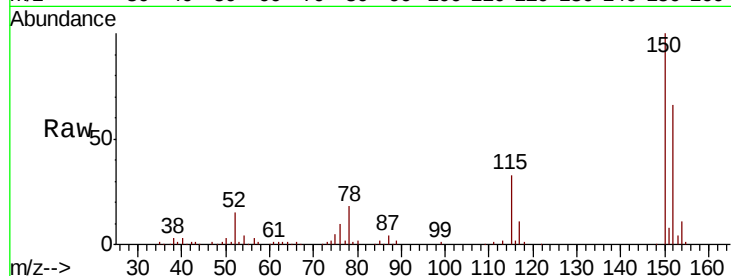


#1

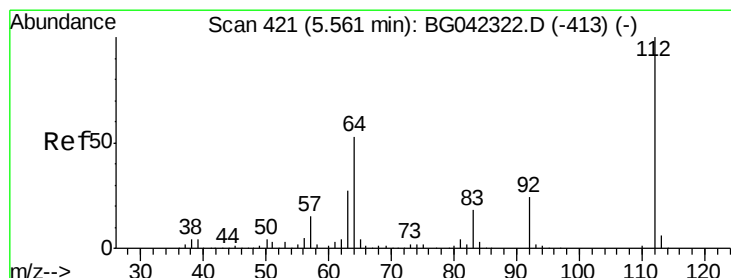
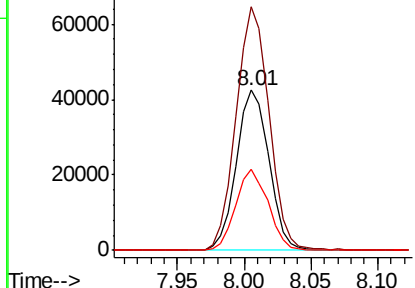
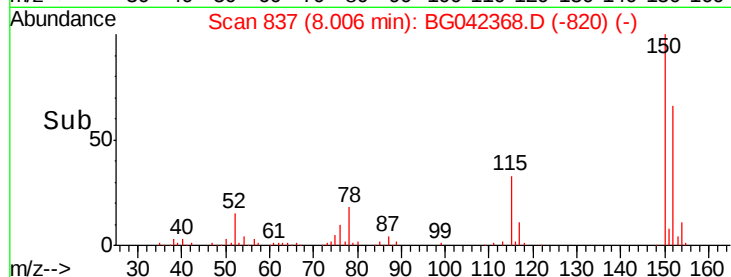
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 71807
Ion Ratio Lower Upper
152 100
150 152.0 124.3 186.5
115 50.4 40.5 60.7



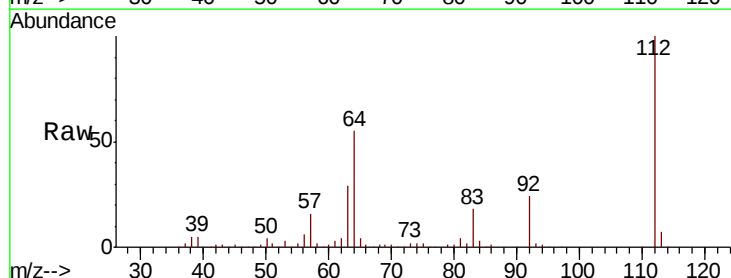
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



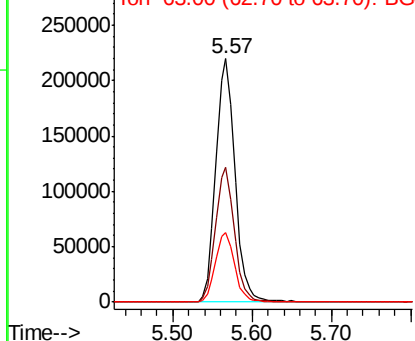
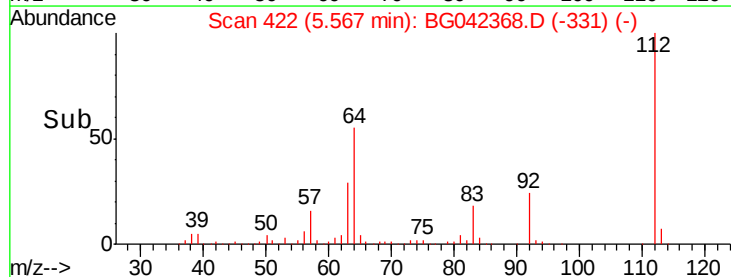
#5

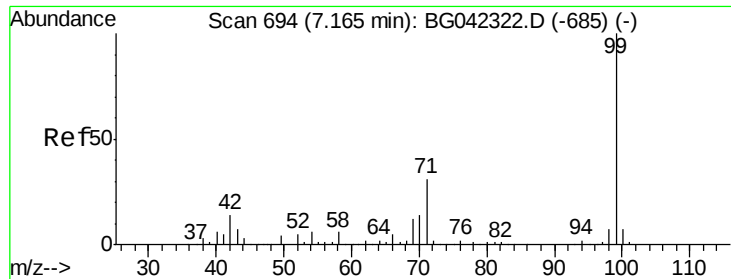
2-Fluorophenol
Concen: 104.252 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion:112 Resp: 369481
Ion Ratio Lower Upper
112 100
64 55.3 42.5 63.7
63 28.6 21.7 32.5



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: 107.657 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

Instrument :

BNA_G

ClientSampleId :

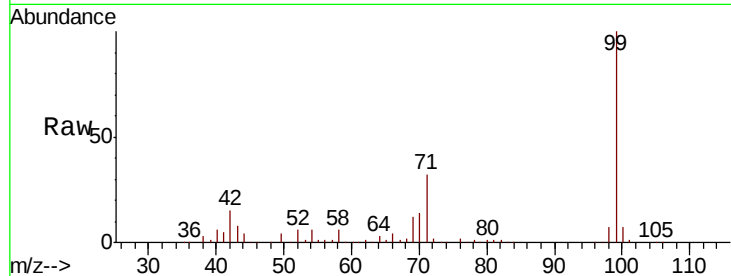
Tot Ion: 99 Resp: 518186

Ion Ratio Lower Upper

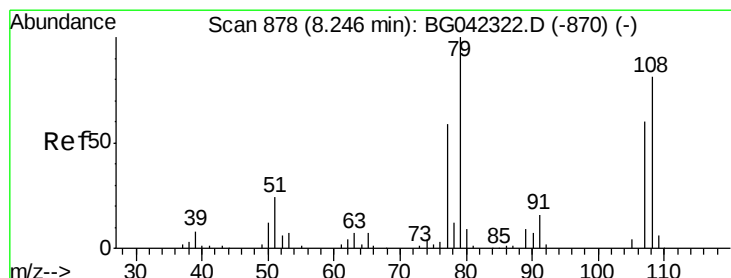
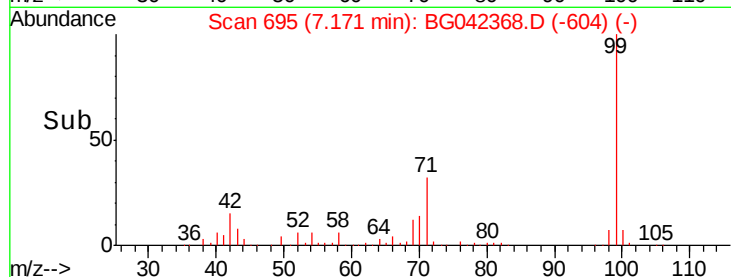
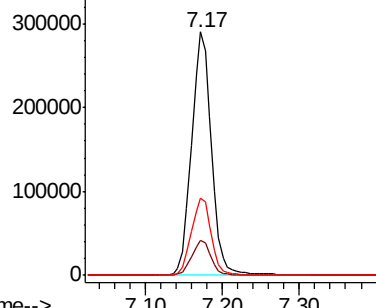
99 100

42 14.5 11.4 17.0

71 31.6 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



#15

Benzyl Alcohol

Concen: 8.466 ng

RT: 8.25 min Scan# 878

Delta R.T. 0.00 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

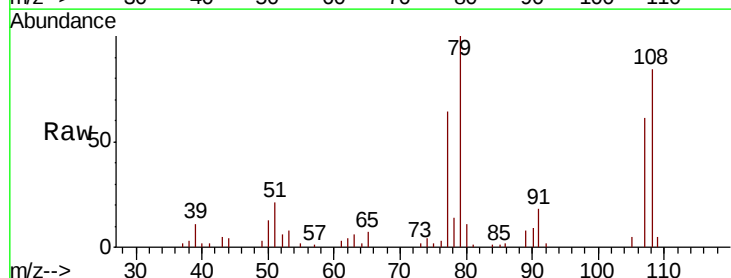
Tgt Ion: 79 Resp: 28024

Ion Ratio Lower Upper

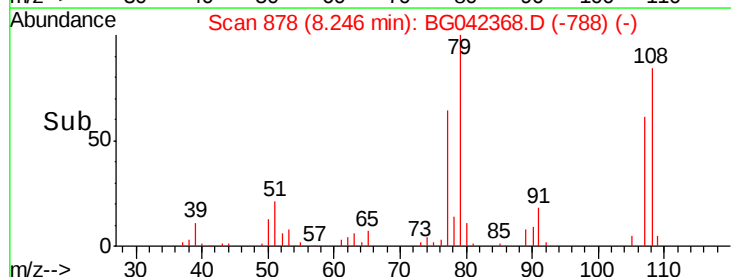
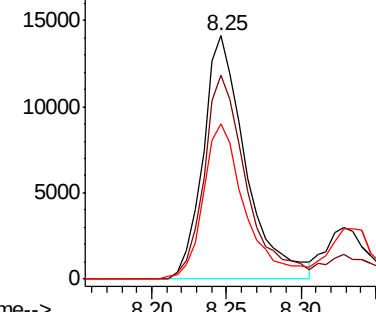
79 100

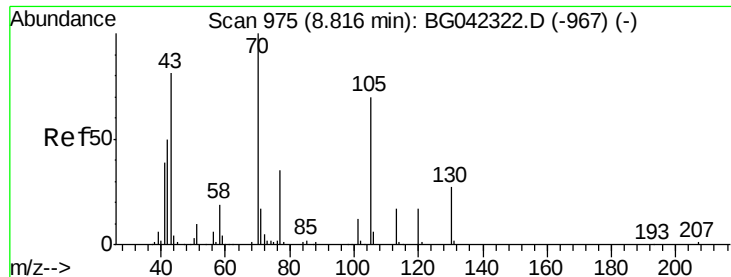
108 83.8 64.8 97.2

77 63.7 47.6 71.4



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

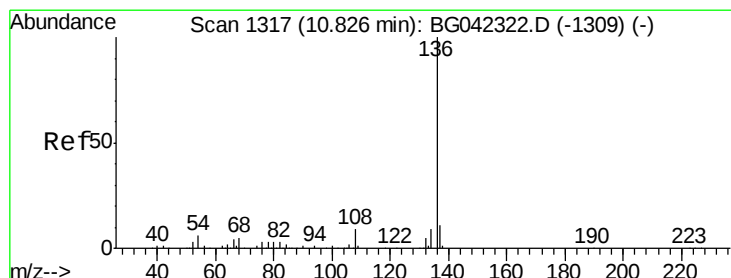
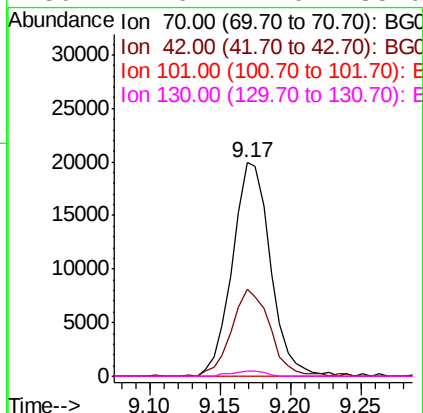
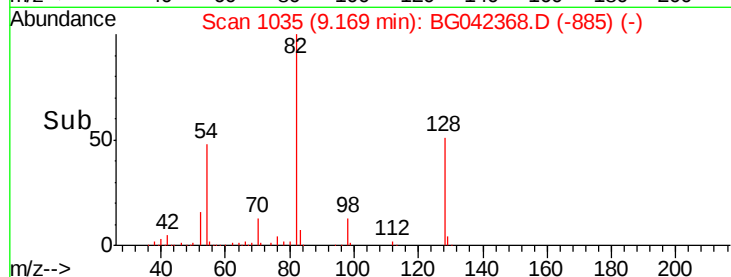
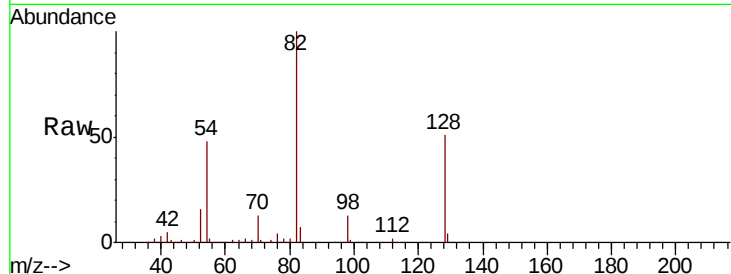




#19
n-Nitroso-di-n-propylamine
Concen: 12.139 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

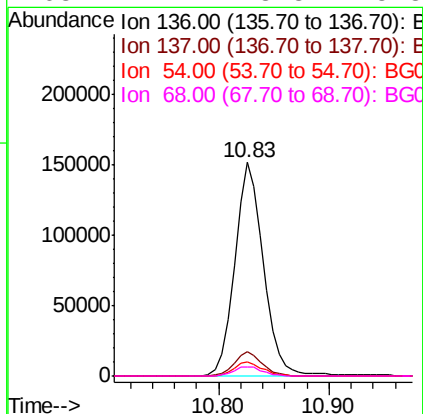
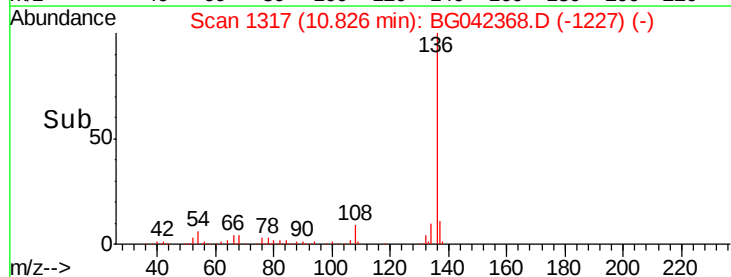
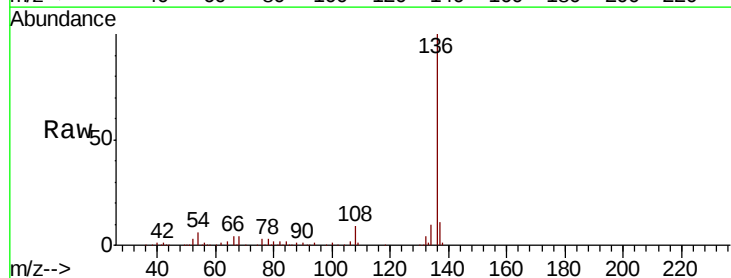
Instrument :
BNA_G
ClientSampleId :

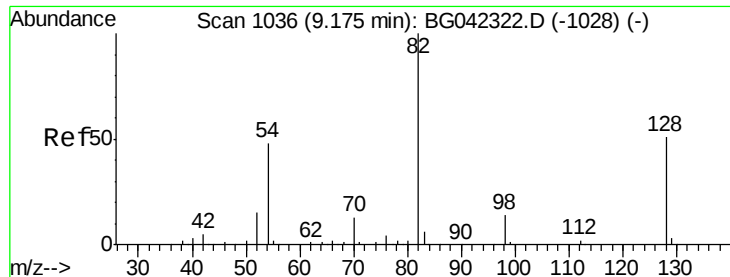
Tot Ion: 70 Resp: 37581
Ion Ratio Lower Upper
70 100
42 40.6 40.5 60.7
101 0.0 9.3 13.9#
130 2.6 22.0 33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion: 136 Resp: 275583
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 6.4 5.0 7.4
68 4.2 3.8 5.8

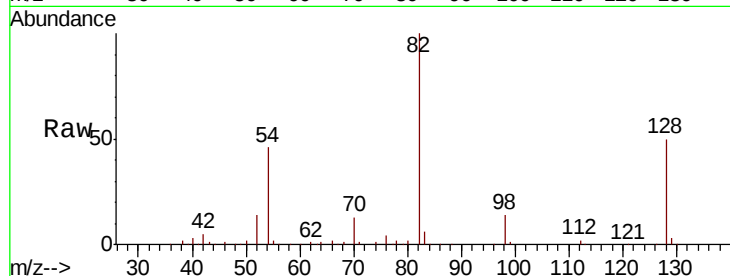




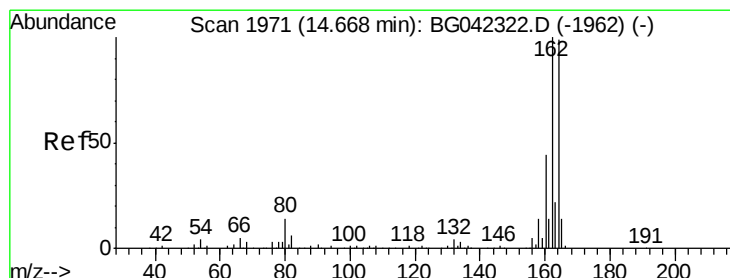
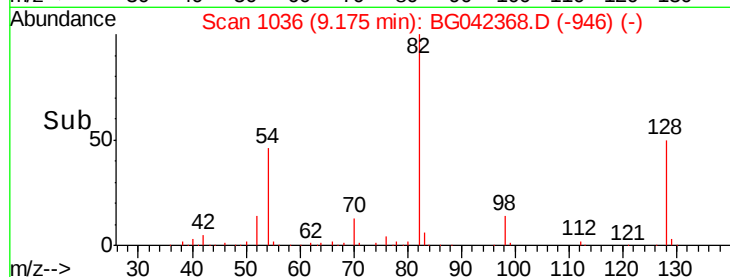
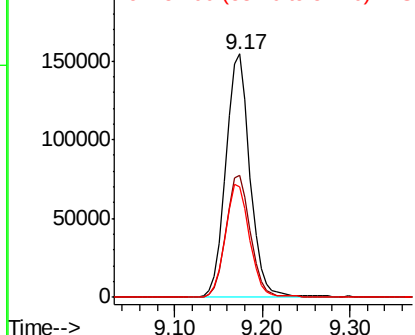
#23
Nitrobenzene-d5
Concen: 74.978 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 293782
Ion Ratio Lower Upper
82 100
128 50.3 41.0 61.4
54 45.5 38.0 57.0

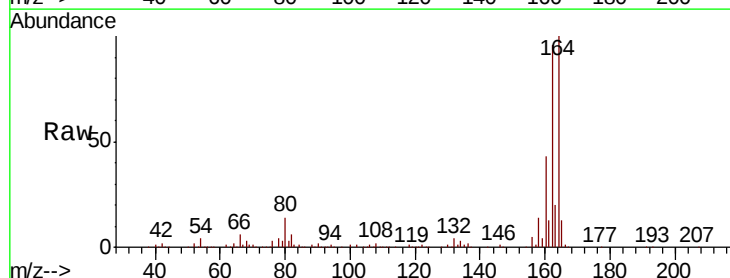


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

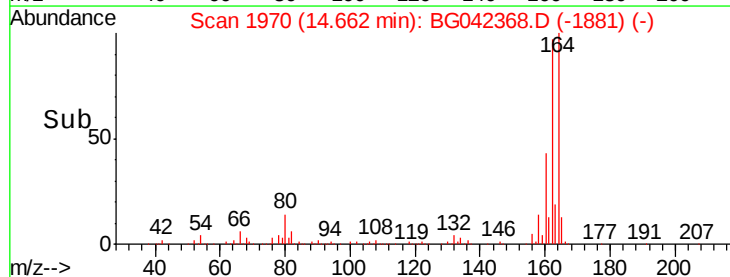
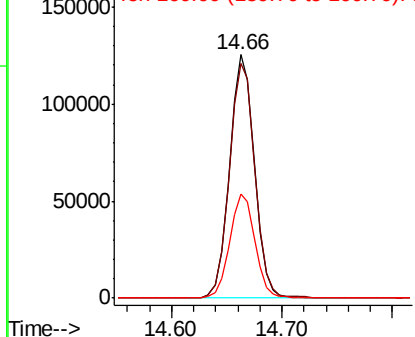


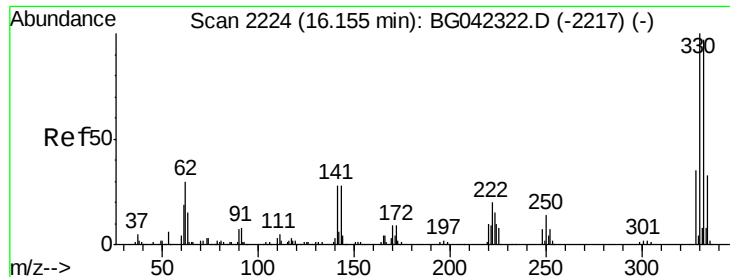
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion:164 Resp: 197811
Ion Ratio Lower Upper
164 100
162 96.4 80.6 120.8
160 43.0 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

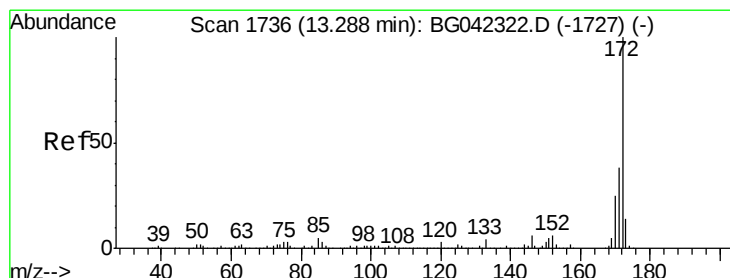
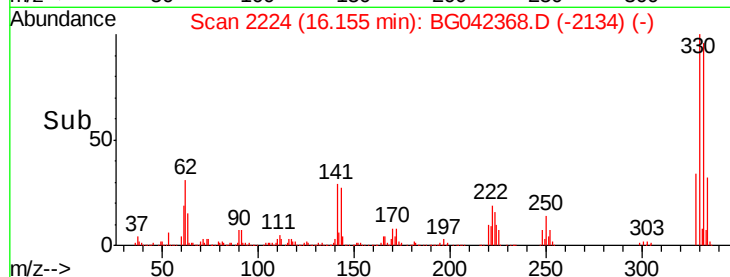
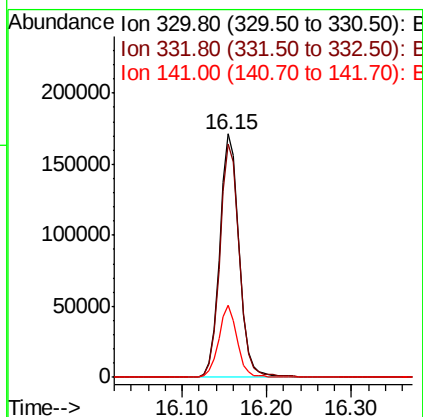
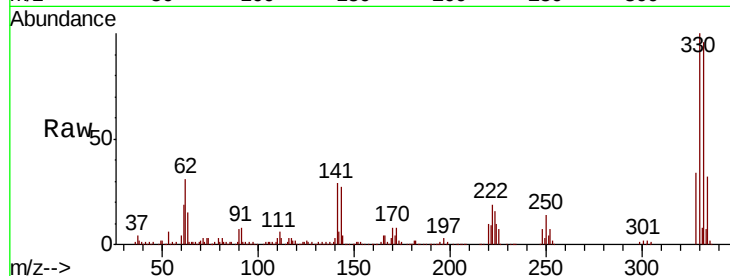




#42
 2,4,6-Tribromophenol
 Concen: 101.988 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BG042368.D
 Acq: 20 Aug 2019 21:52

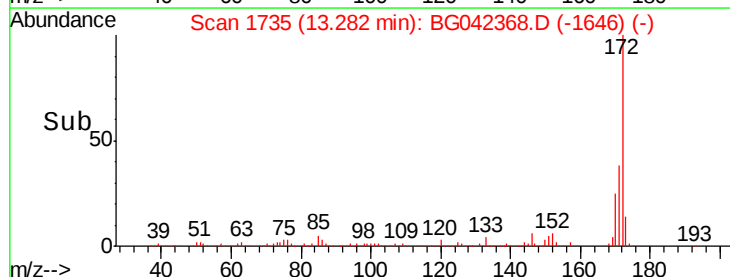
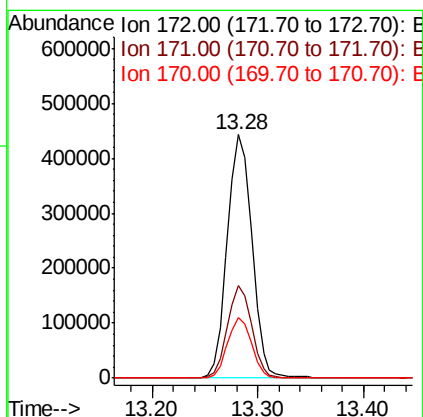
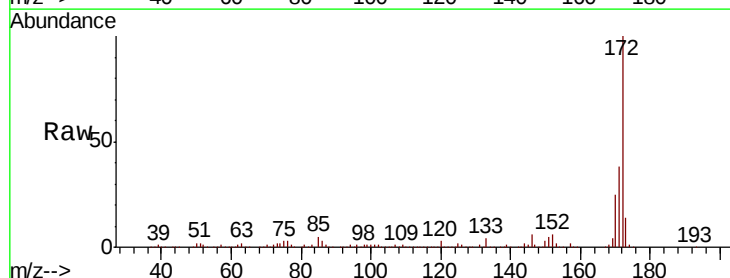
Instrument :
 BNA_G
 ClientSampleId :

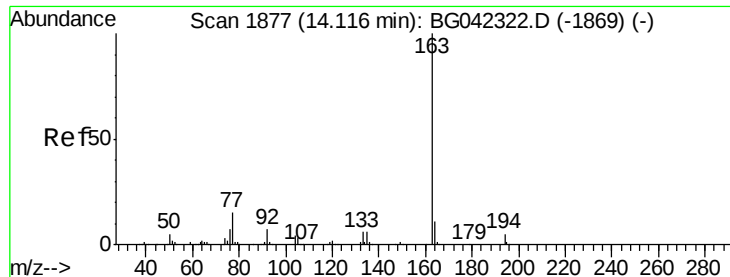
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.9	115.3
141	28.0	21.8	32.6



#45
 2-Fluorobiphenyl
 Concen: 61.573 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG042368.D
 Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.3	45.5
170	24.7	20.0	30.0

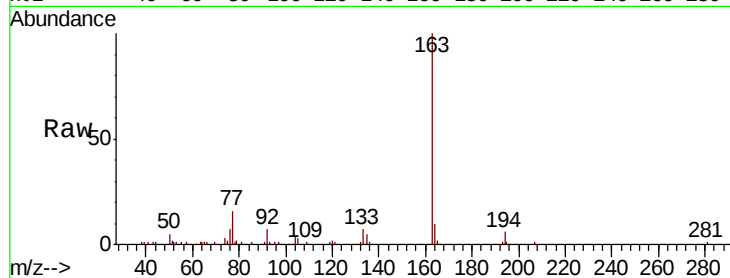




#50
Dimethylphthalate
Concen: 3.378 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.7	4.2	6.2
164	10.4	8.8	13.2

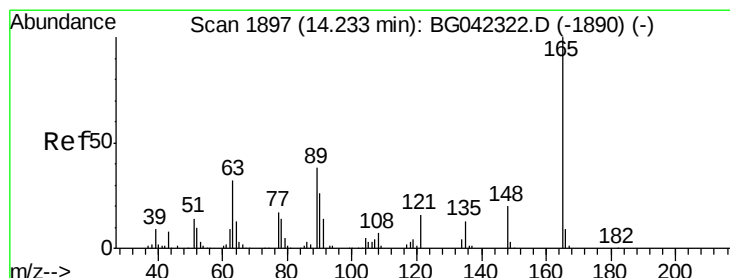
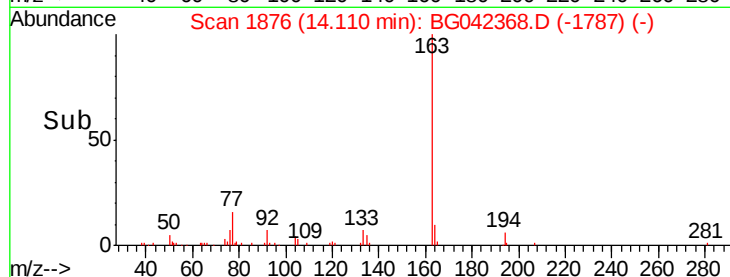
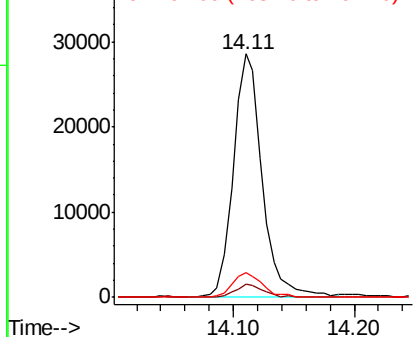


Abundance

Ion 163.00 (162.70 to 163.70): E

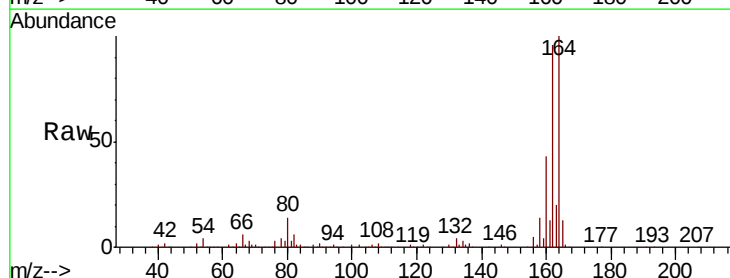
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.201 ng
RT: 14.66 min Scan# 1970
Delta R.T. 0.43 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	28.2	42.2#
89	1.8	30.0	45.0#

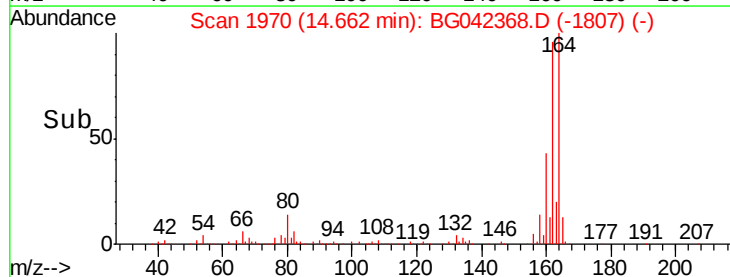
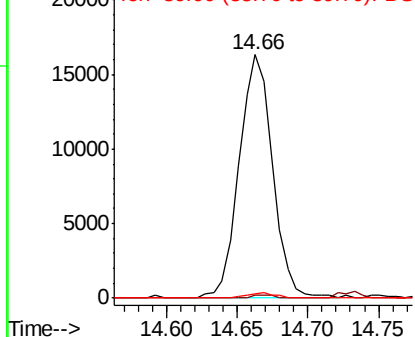


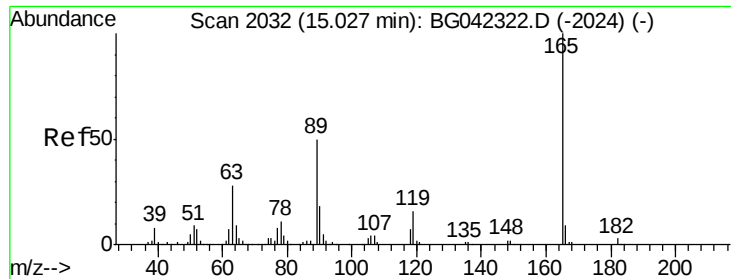
Abundance

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

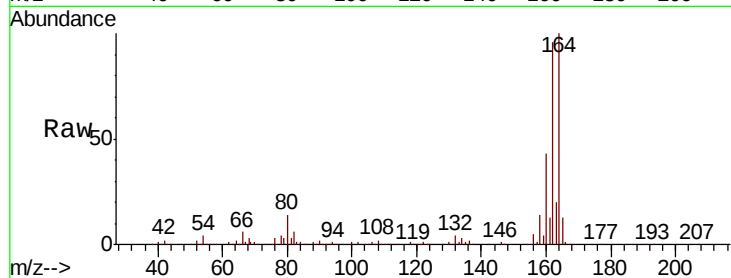




#57
 2,4-Dinitrotoluene
 Concen: 5.866 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042368.D
 Acq: 20 Aug 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	22.4	33.6#
89	1.8	40.2	60.2#
182	0.0	2.6	3.8#

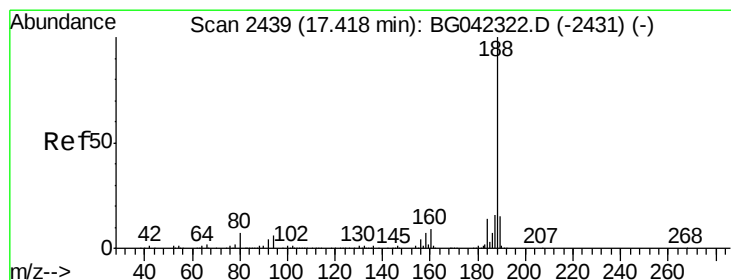
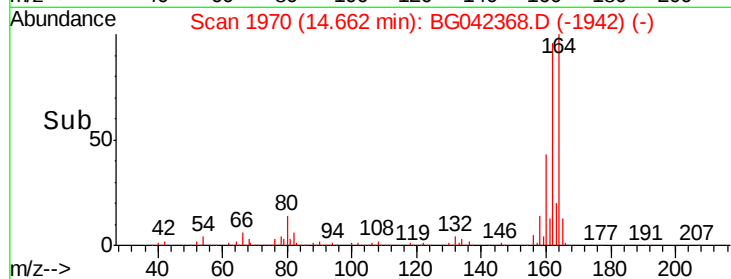
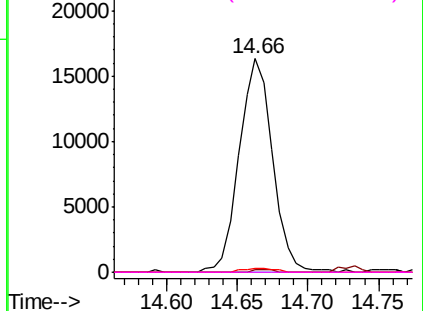


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

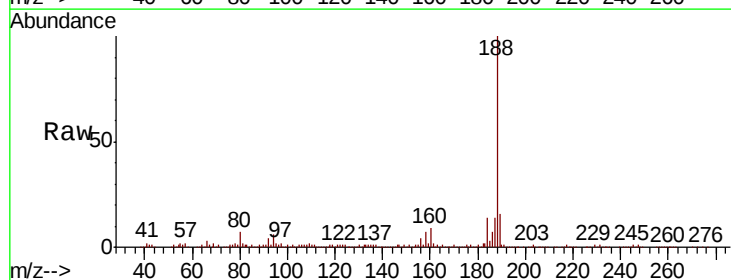
Ion 89.00 (88.70 to 89.70): BGC

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: BG042368.D
 Acq: 20 Aug 2019 21:52

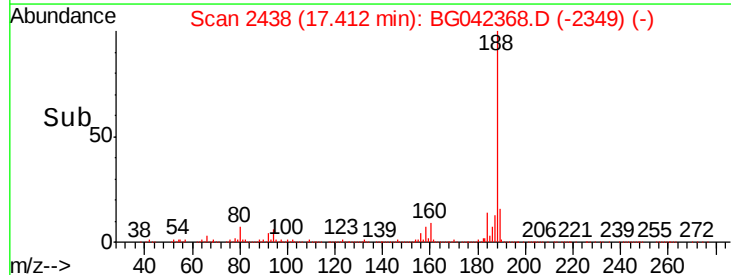
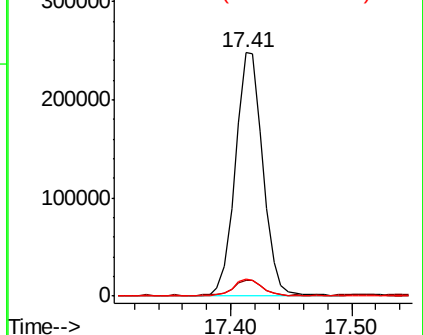
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.5	4.9	7.3
80	7.2	5.4	8.0

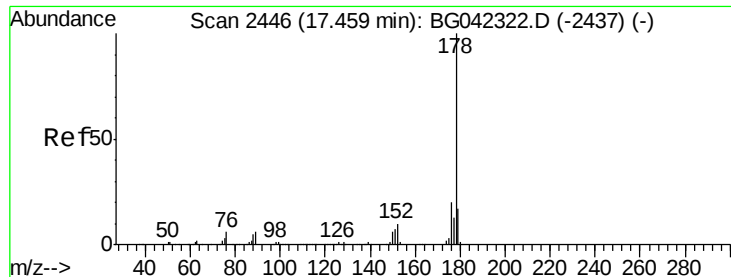


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

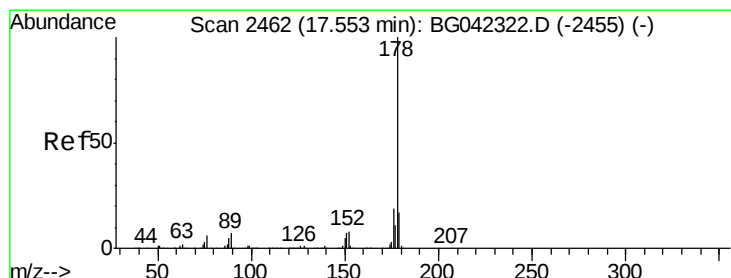
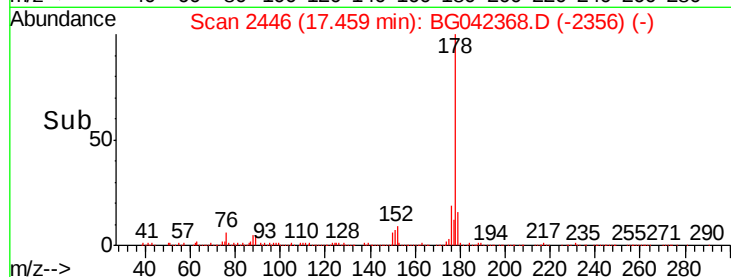
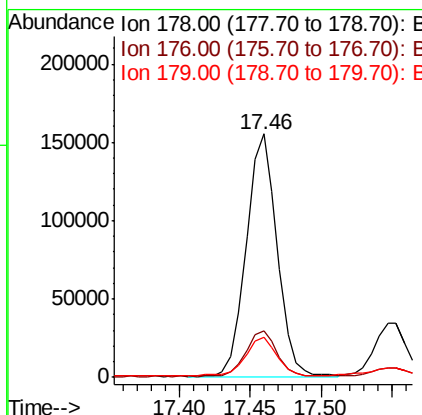
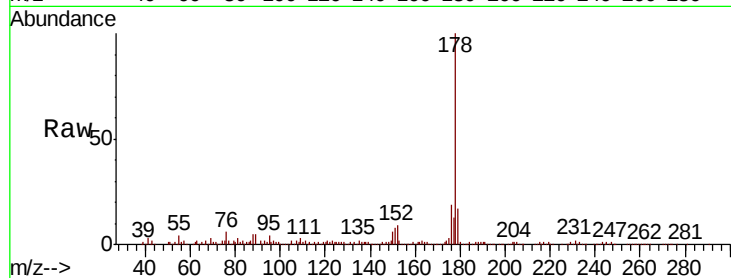




#71
 Phenanthrene
 Concen: 12.064 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BG042368.D
 Acq: 20 Aug 2019 21:52

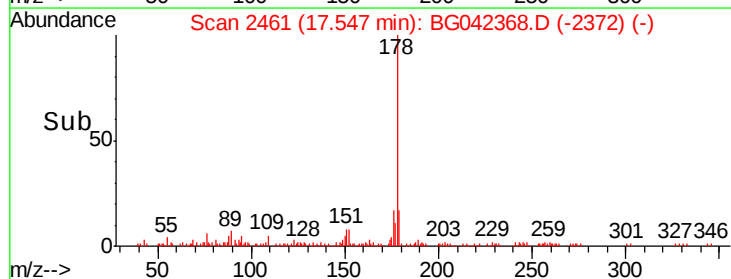
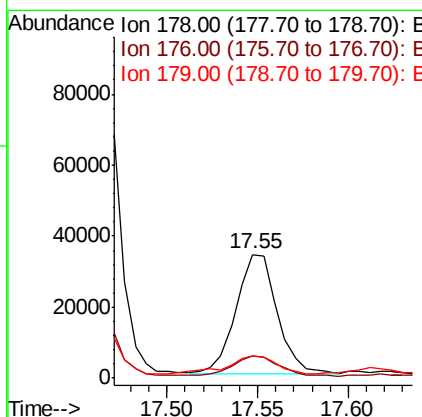
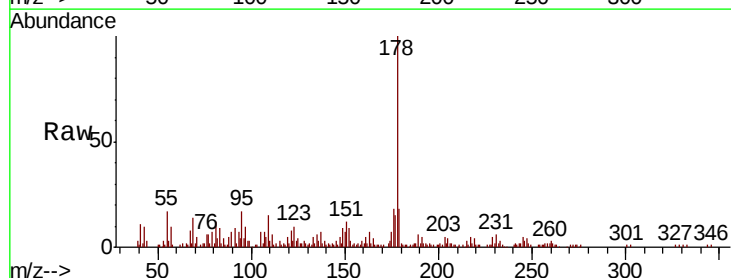
Instrument :
 BNA_G
 ClientSampleId :

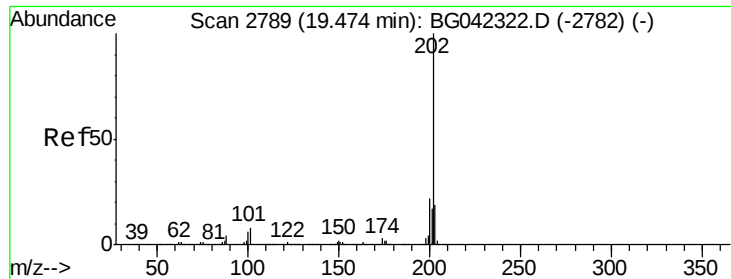
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	16.6	13.7	20.5



#72
 Anthracene
 Concen: 2.745 ng
 RT: 17.55 min Scan# 2461
 Delta R.T. -0.01 min
 Lab File: BG042368.D
 Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.5	23.3
179	18.2	13.6	20.4





#75

Fluoranthene

Concen: 17.798 ng

RT: 19.47 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

Instrument :

BNA_G

ClientSampleId :

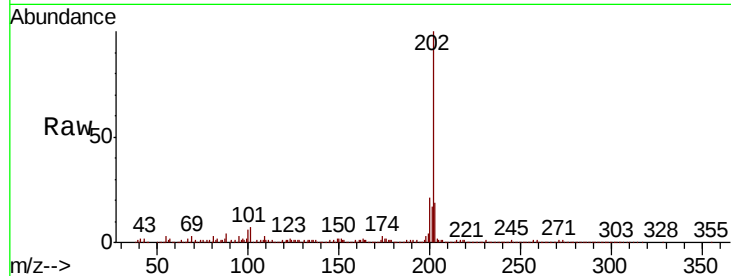
Tot Ion:202 Resp: 418989

Ion Ratio Lower Upper

202 100

101 7.4 0.0 28.0

203 18.6 0.0 39.1

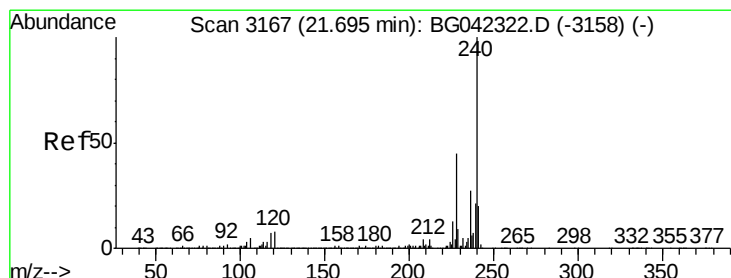
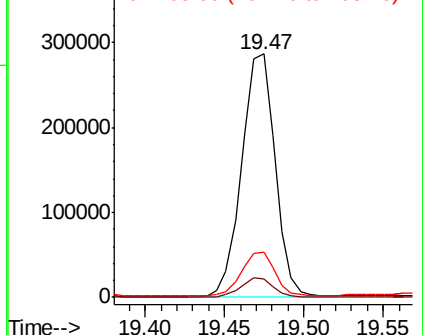
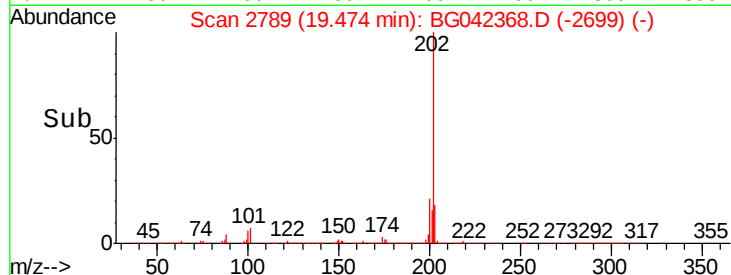


Abundance

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: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

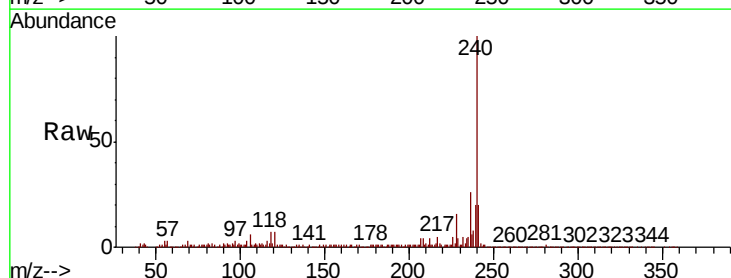
Tgt Ion:240 Resp: 407826

Ion Ratio Lower Upper

240 100

120 7.5 6.0 9.0

236 25.7 21.6 32.4

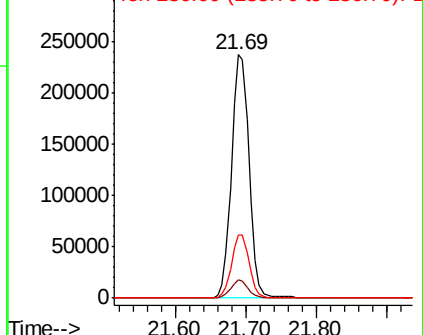
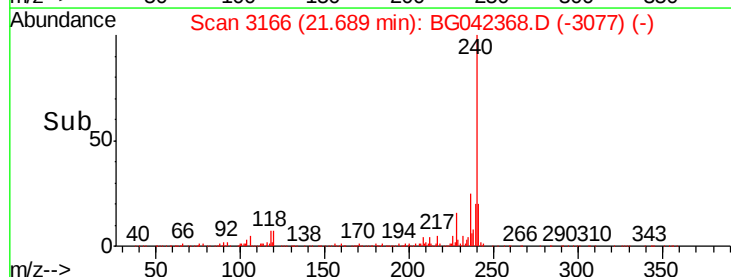


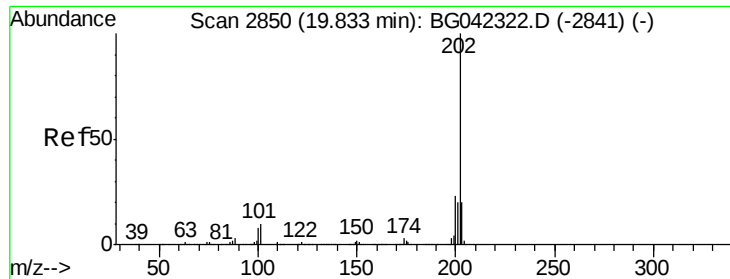
Abundance

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

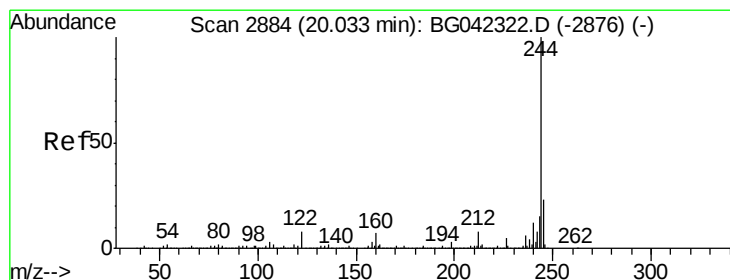
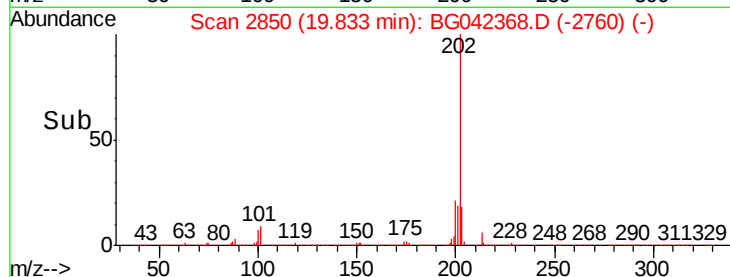
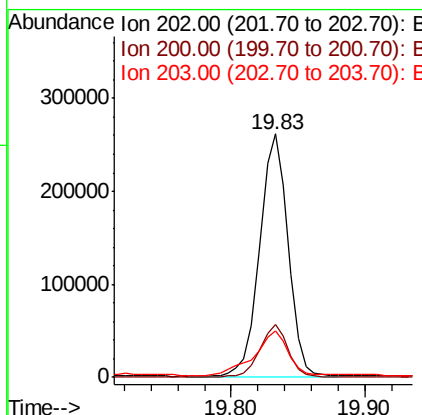
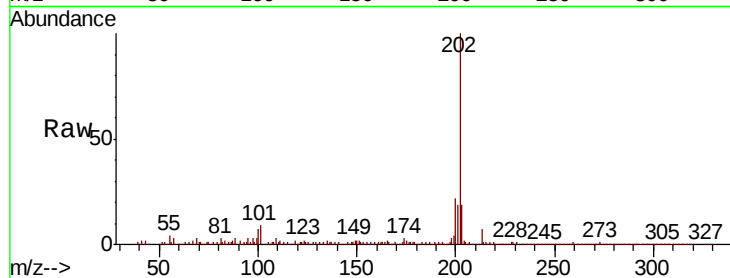




#78
Pvrene
Concen: 15.215 ng
RT: 19.83 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

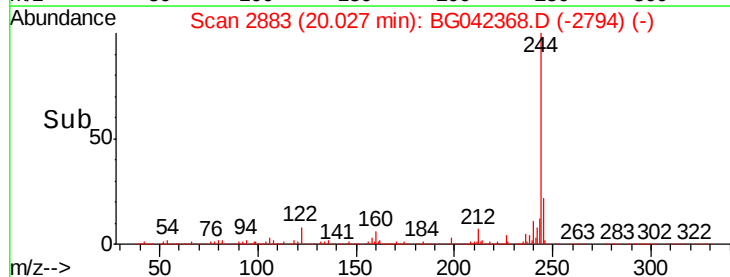
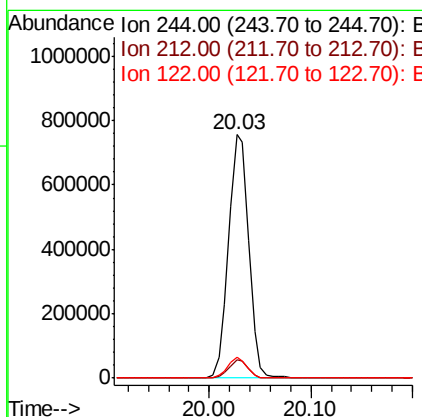
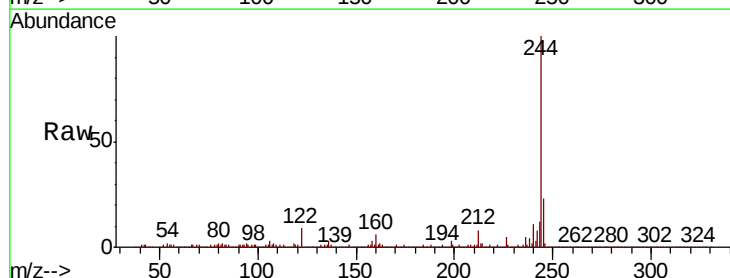
Instrument :
BNA_G
ClientSampleId :

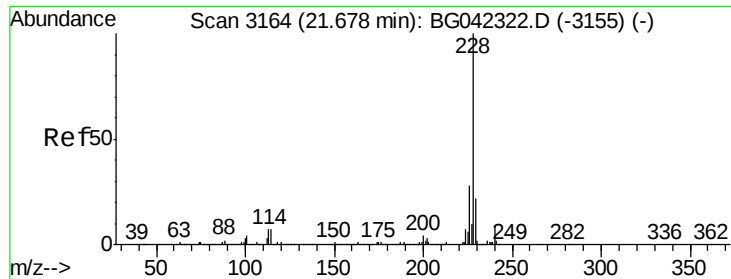
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.1	27.1
203	18.8	15.8	23.8



#79
Terphenyl-d14
Concen: 55.956 ng
RT: 20.03 min Scan# 2883
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.4	9.6
122	8.6	6.6	10.0

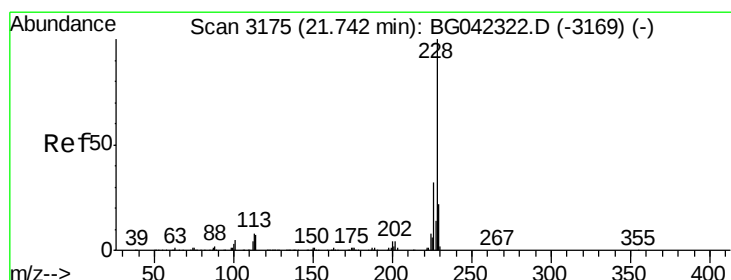
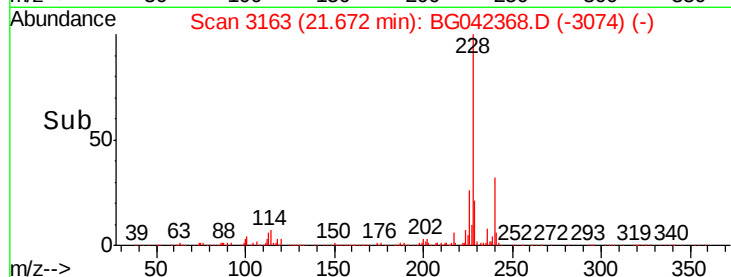
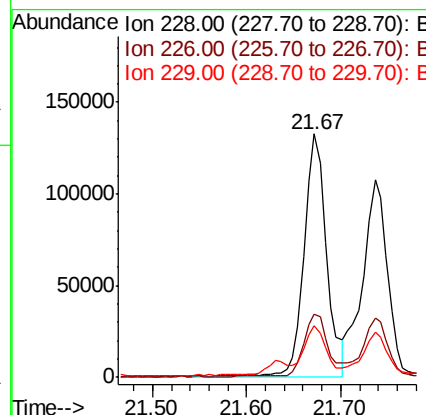
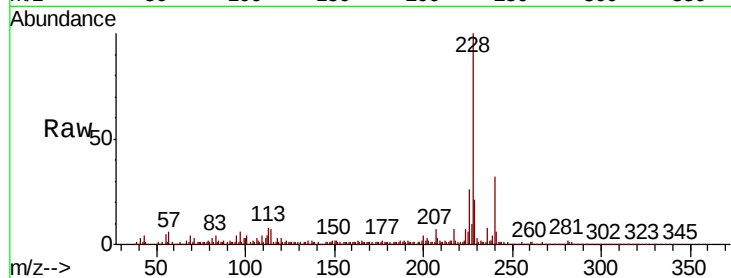




#81
Benzo(a)anthracene
Concen: 8.786 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

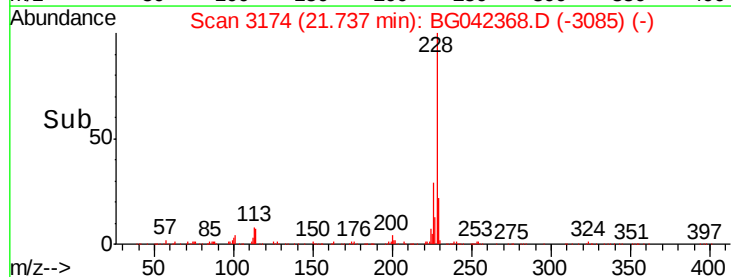
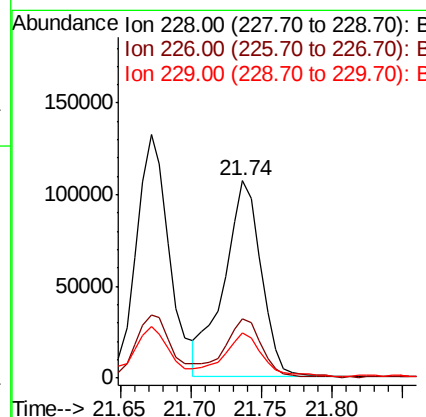
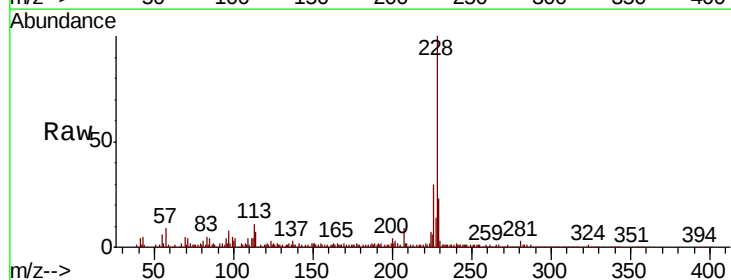
Instrument :
BNA_G
ClientSampleId :

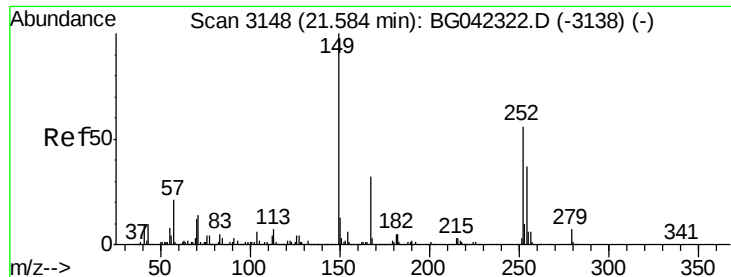
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.7	34.1
229	21.2	17.4	26.2



#83
Chrysene
Concen: 8.243 ng
RT: 21.74 min Scan# 3174
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.6	38.4
229	22.9	17.8	26.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.970 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

Instrument :

BNA_G

ClientSampleId :

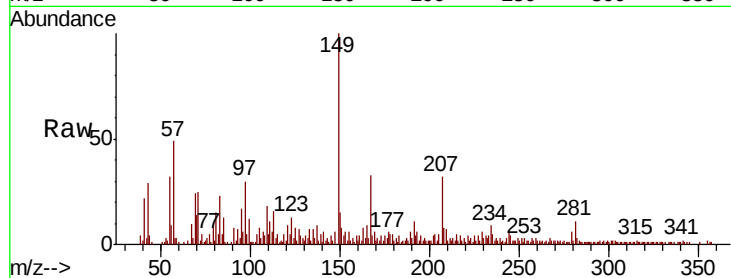
Tot Ion:149 Resp: 41189

Ion Ratio Lower Upper

149 100

167 32.9 25.4 38.0

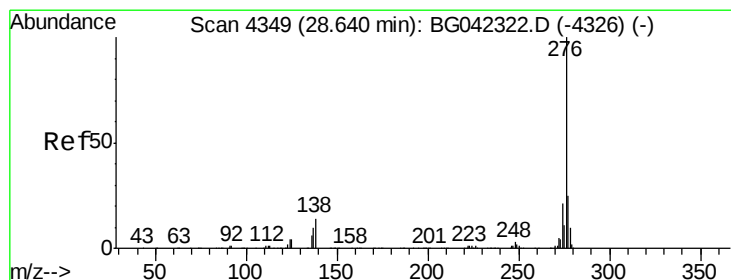
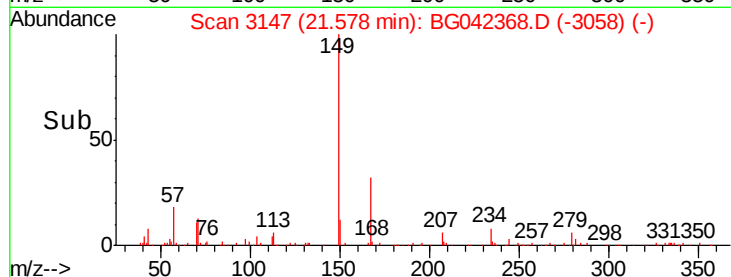
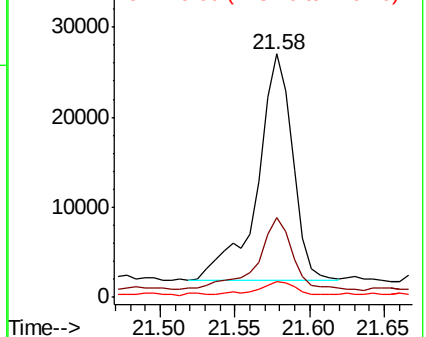
279 6.4 5.8 8.6



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: 4.540 ng

RT: 28.63 min Scan# 4347

Delta R.T. -0.01 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

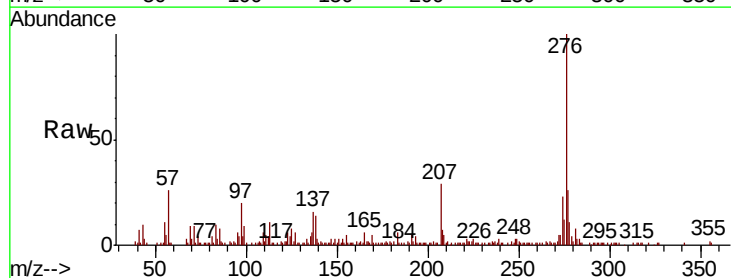
Tgt Ion:276 Resp: 145238

Ion Ratio Lower Upper

276 100

138 15.5 14.5 21.7

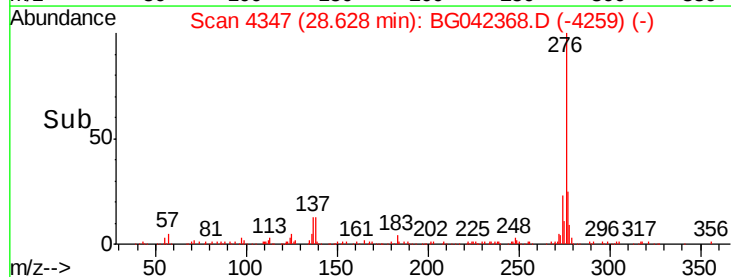
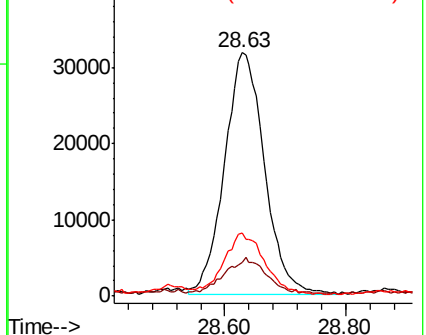
277 25.4 21.0 31.4

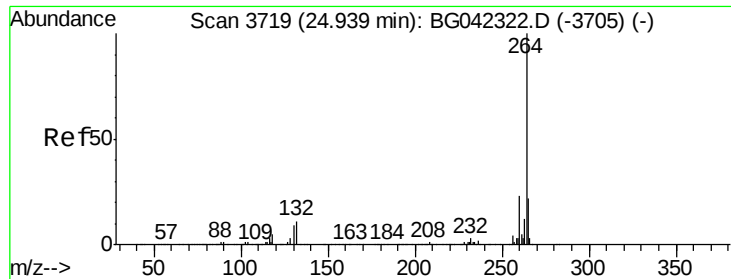


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3719

Delta R.T. 0.00 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

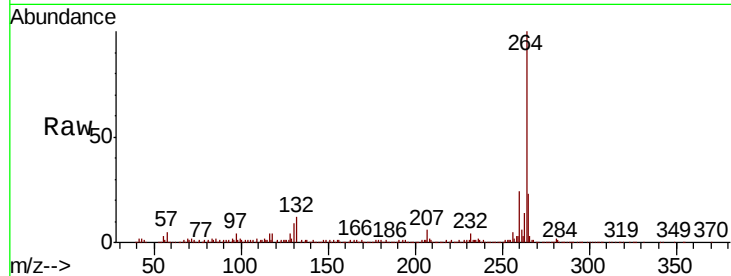
Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 483260

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	22.6	17.4	26.0

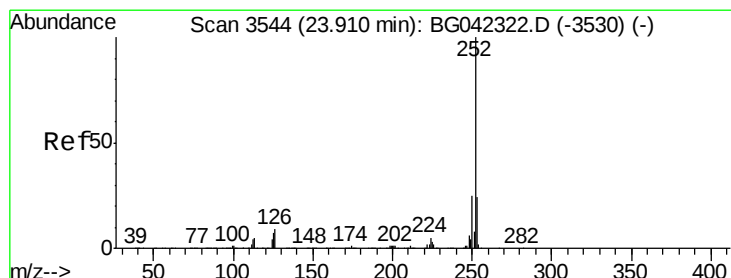
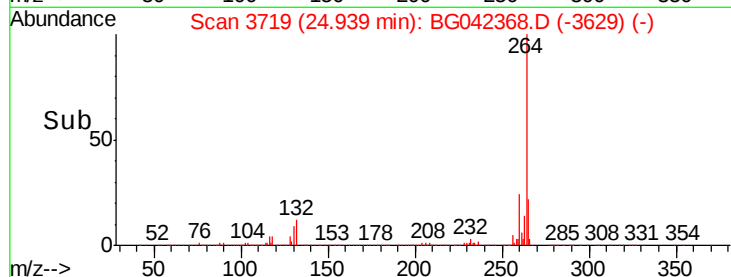
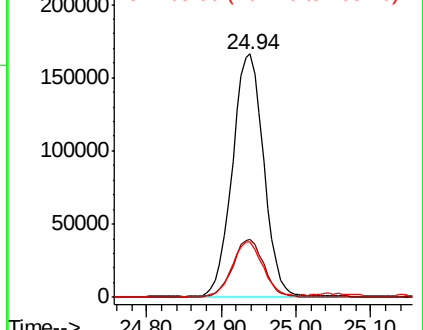


Abundance

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: 10.564 ng

RT: 23.90 min Scan# 3543

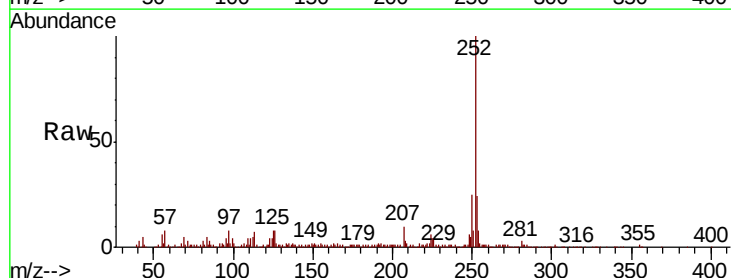
Delta R.T. -0.01 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

Tgt Ion:252 Resp: 280603

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.9	28.3
125	8.5	5.8	8.6

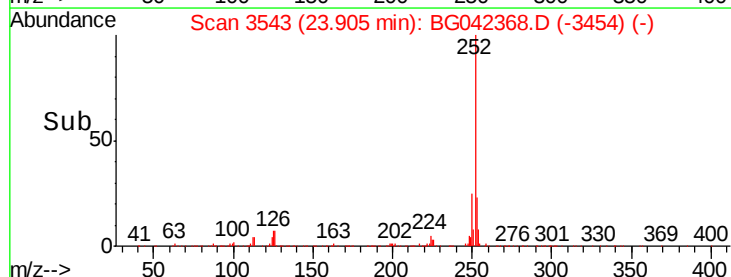
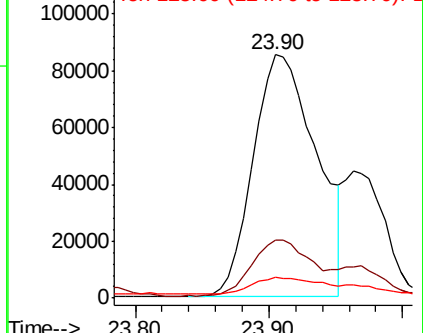


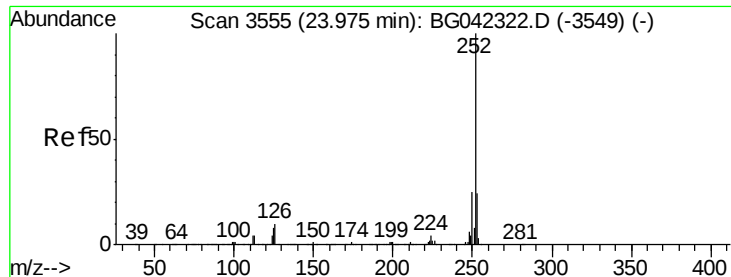
Abundance

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

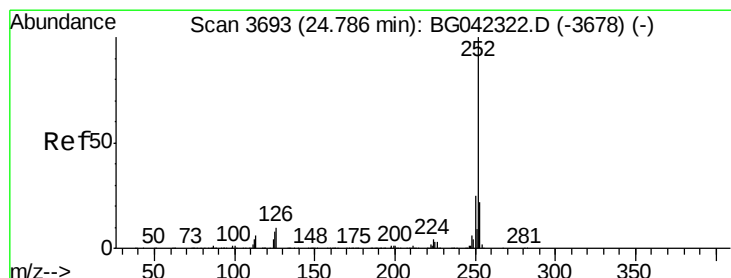
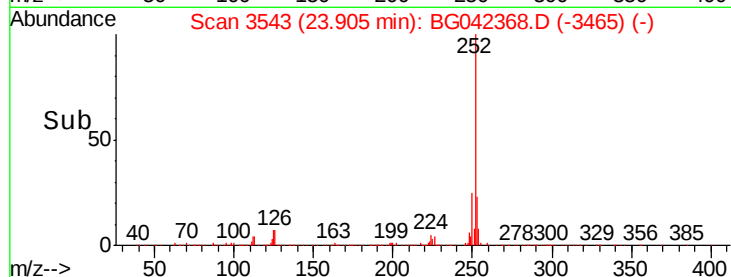
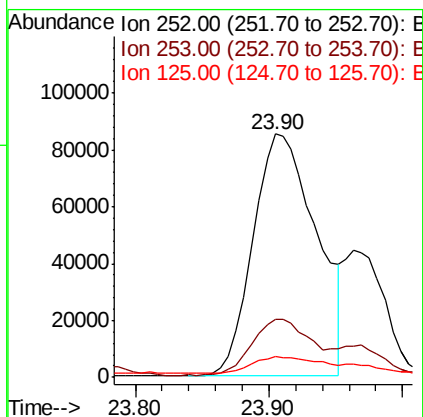
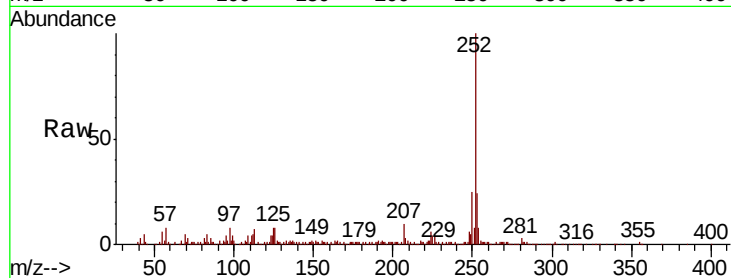




#89
Benzo(k)fluoranthene
Concen: 10.807 ng
RT: 23.90 min Scan# 3543
Delta R.T. -0.07 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

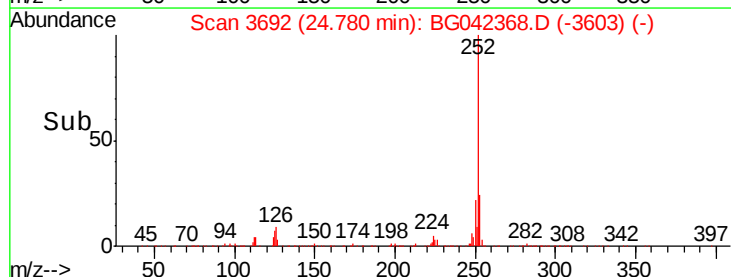
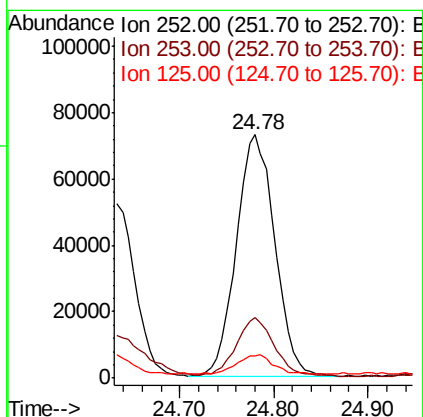
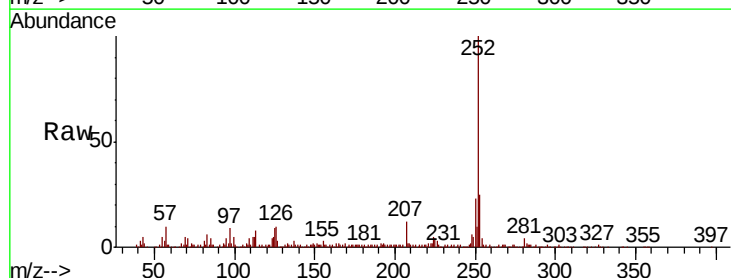
Instrument :
BNA_G
ClientSampleId :

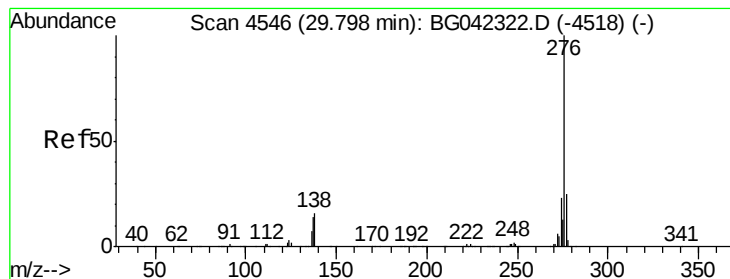
Tot Ion:252 Resp: 280603
Ion Ratio Lower Upper
252 100
253 23.8 19.0 28.4
125 8.5 6.0 9.0



#90
Benzo(a)pyrene
Concen: 8.065 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.01 min
Lab File: BG042368.D
Acq: 20 Aug 2019 21:52

Tgt Ion:252 Resp: 205286
Ion Ratio Lower Upper
252 100
253 25.1 17.9 26.9
125 9.0 6.7 10.1





#92

Benzo(a,h,i)perylene

Concen: 5.746 ng

RT: 29.79 min Scan# 4544

Delta R.T. -0.01 min

Lab File: BG042368.D

Acq: 20 Aug 2019 21:52

Instrument :

BNA_G

ClientSampleId :

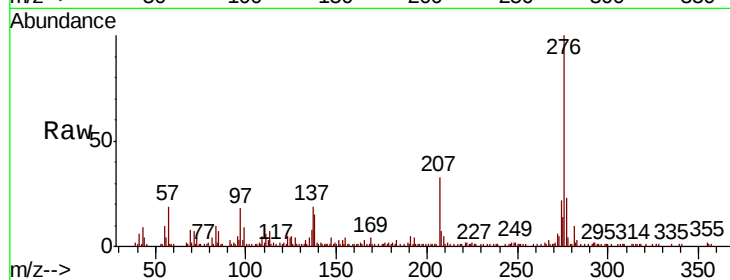
Tot Ion: 276 Resp: 145403

Ion Ratio Lower Upper

276 100

277 22.9 19.8 29.8

138 15.4 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

