

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042020\
 Data File : BG045097.D
 Acq On : 20 Apr 2020 15:44
 Operator : CG/JU
 Sample : L2330-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WB-9-2

Quant Time: Apr 20 16:43:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 16:38:52 2020
 Response via : Initial Calibration

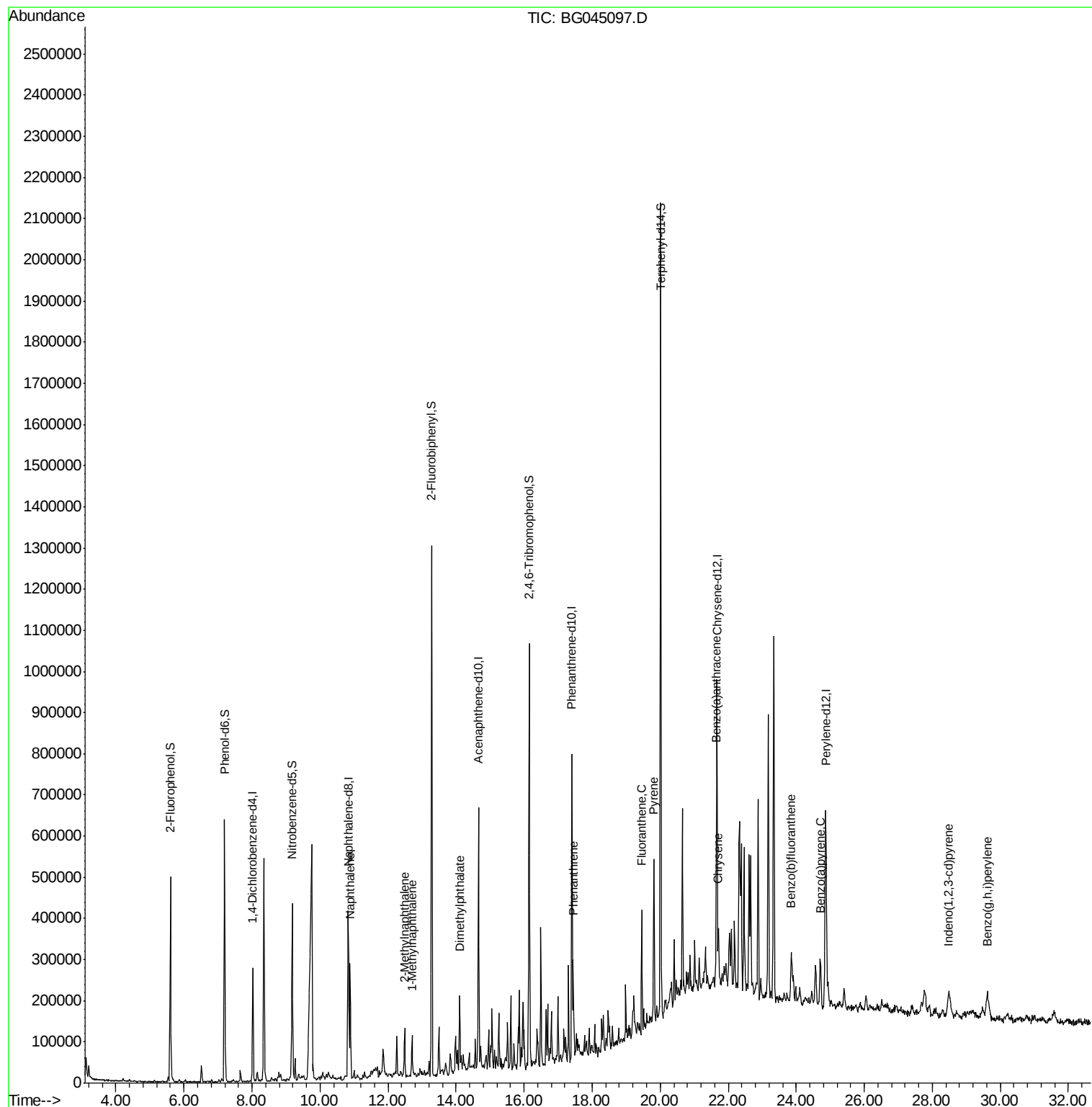
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	82668	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	337812	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	229147	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	473768	20.00	ng	0.00
76) Chrysene-d12	21.67	240	439005	20.00	ng	0.00
87) Perylene-d12	24.86	264	490788	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	261128	52.15	ng	0.00
7) Phenol-d6	7.19	99	421833	56.70	ng	0.00
23) Nitrobenzene-d5	9.18	82	297000	40.12	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	208341	58.85	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	716215	45.83	ng	0.00
79) Terphenyl-d14	20.02	244	1013688	50.33	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.88	128	225427	12.198	ng	99
37) 2-Methylnaphthalene	12.49	142	56689	3.952	ng	94
38) 1-Methylnaphthalene	12.70	142	48827	3.606	ng	# 99
50) Dimethylphthalate	14.11	163	122096	6.544	ng	98
71) Phenanthrene	17.44	178	161695	6.642	ng	96
75) Fluoranthene	19.45	202	181565	5.876	ng	98
78) Pyrene	19.82	202	257615	8.512	ng	95
81) Benzo(a)anthracene	21.65	228	114905	4.038	ng	97
83) Chrysene	21.72	228	105355	3.854	ng	96
86) Indeno(1,2,3-cd)pyrene	28.48	276	112547	3.101	ng	# 93
88) Benzo(b)fluoranthene	23.85	252	162196	5.276	ng	97
90) Benzo(a)pyrene	24.71	252	134666	4.640	ng	98
92) Benzo(a,h,i)perylene	29.62	276	120958	4.125	ng	96

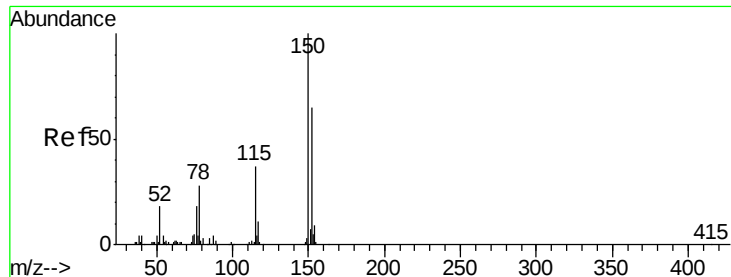
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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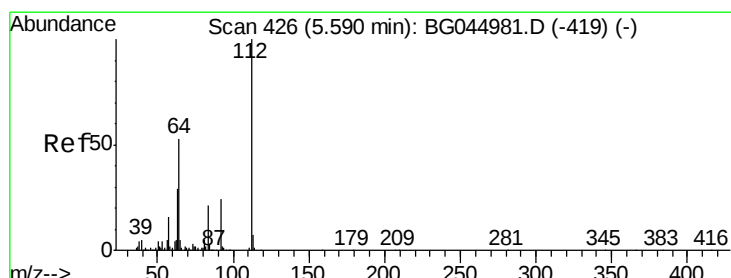
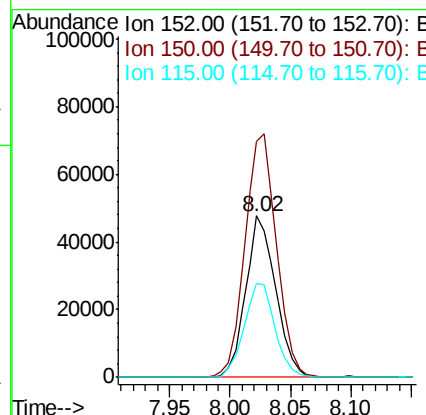
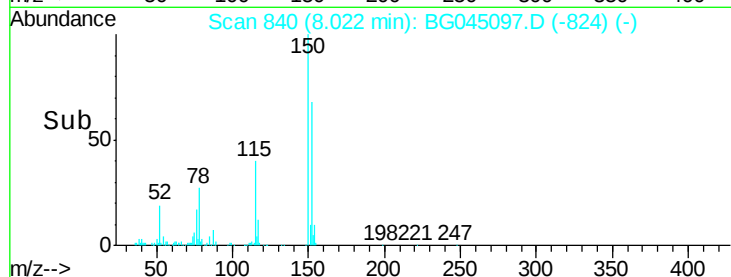
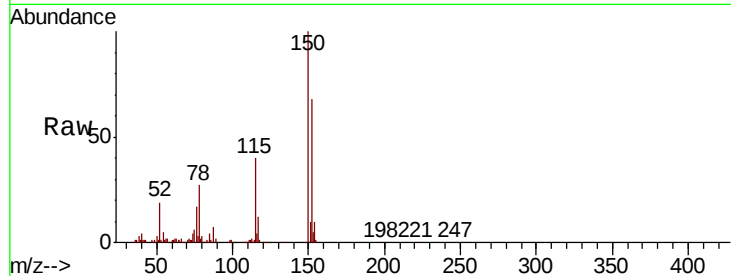




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BG045097.D
 Acq: 20 Apr 2020 15:44

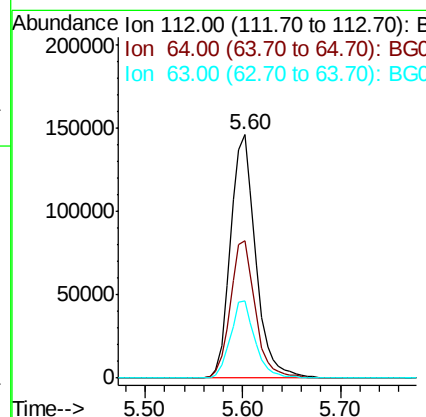
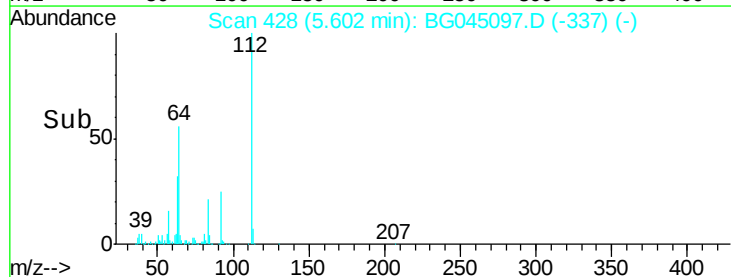
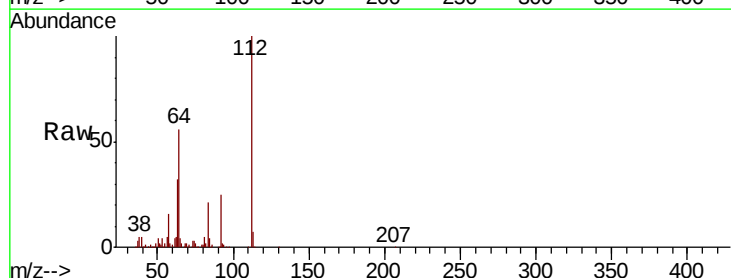
Instrument :
 BNA_G
 ClientSampleId :
 WB-9-2

Tot Ion:	152	Resp:	82668
Ion	Ratio	Lower	Upper
152	100		
150	146.1	123.6	185.4
115	57.9	49.1	73.7



#5
 2-Fluorophenol
 Concen: 52.149 ng
 RT: 5.60 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: BG045097.D
 Acq: 20 Apr 2020 15:44

Tgt Ion:	112	Resp:	261128
Ion	Ratio	Lower	Upper
112	100		
64	56.3	42.4	63.6
63	31.6	23.1	34.7





#7

Phenol-d6

Concen: 56.701 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

Instrument :

BNA_G

ClientSampleId :

WB-9-2

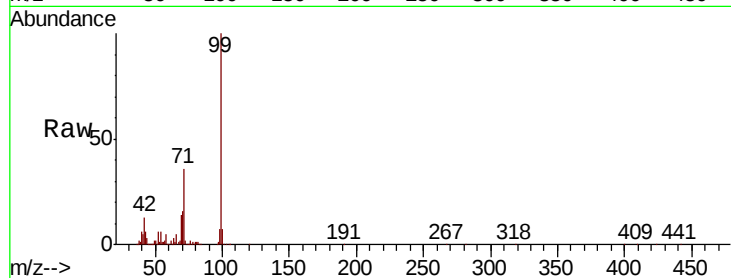
Tot Ion: 99 Resp: 421833

Ion Ratio Lower Upper

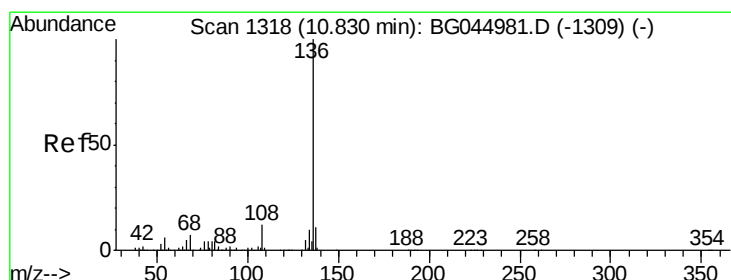
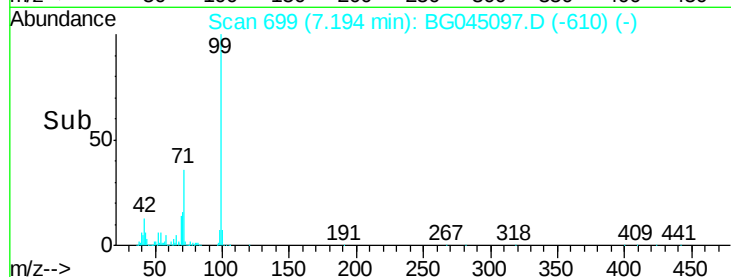
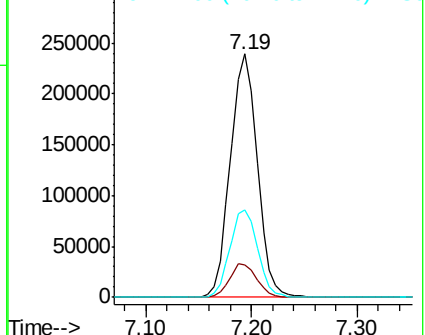
99 100

42 13.1 11.3 16.9

71 35.8 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

Tgt Ion: 136 Resp: 337812

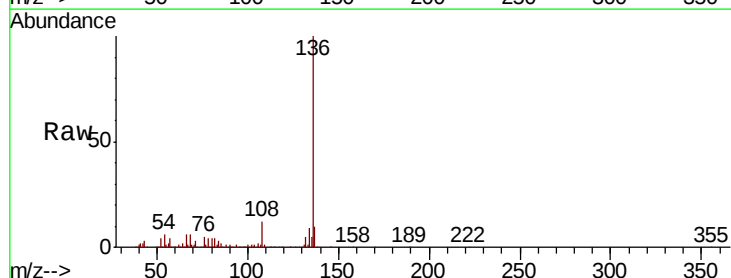
Ion Ratio Lower Upper

136 100

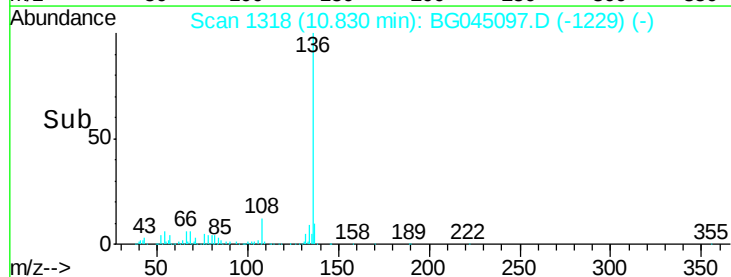
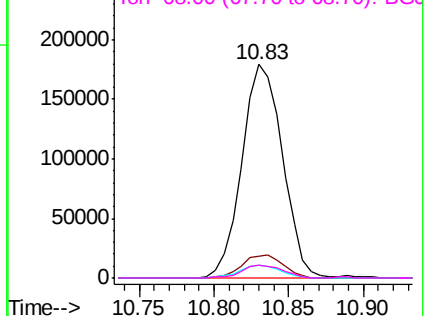
137 10.0 8.6 13.0

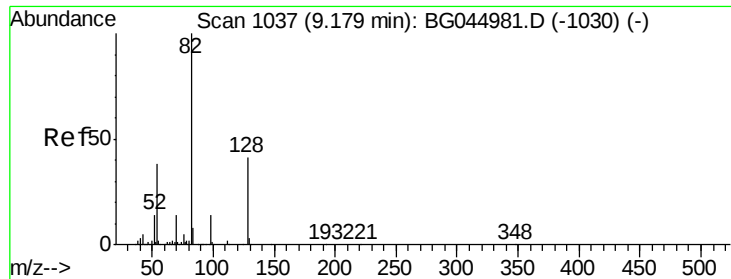
54 6.2 4.8 7.2

68 5.8 5.2 7.8



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

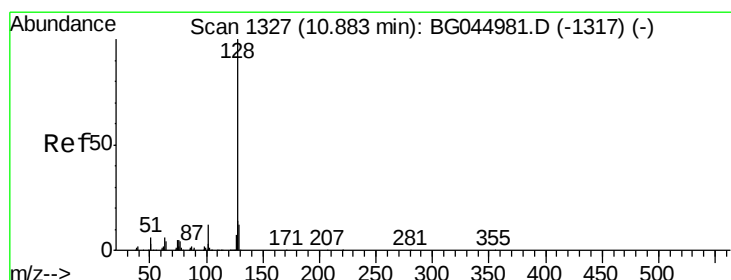
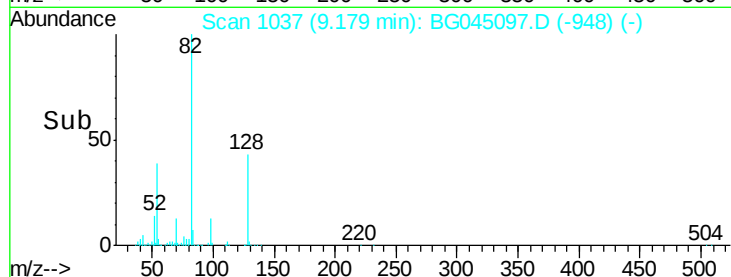
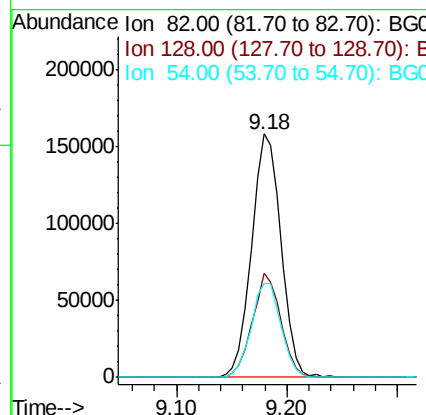
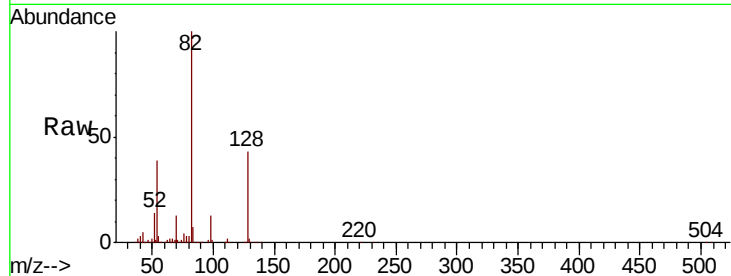




#23
Nitrobenzene-d5
Concen: 40.116 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG045097.D
Acq: 20 Apr 2020 15:44

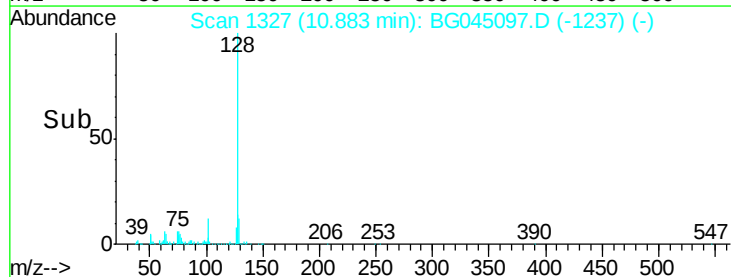
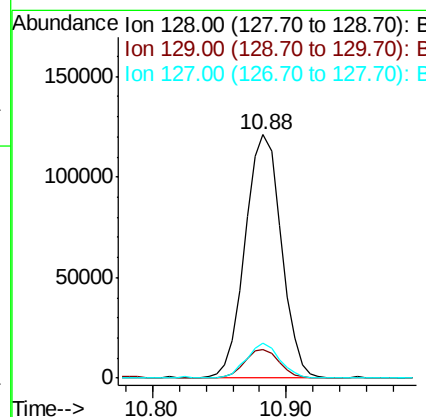
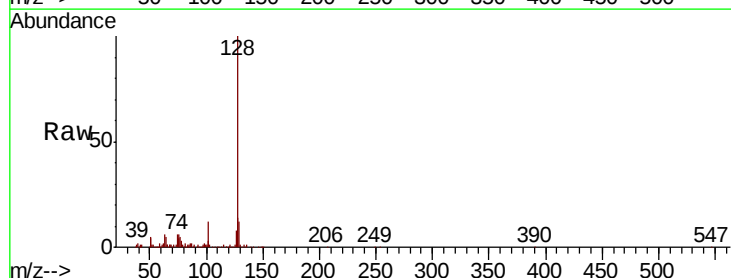
Instrument :
BNA_G
ClientSampleId :
WB-9-2

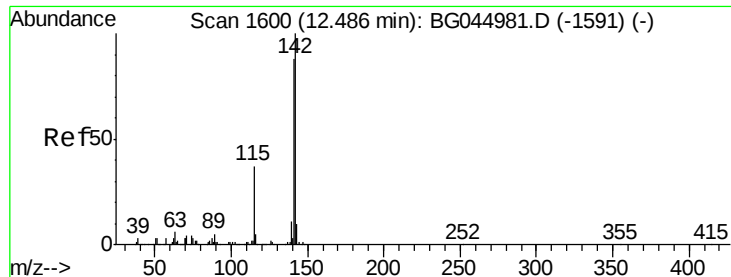
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.0	49.4
54	38.6	30.4	45.6



#31
Naphthalene
Concen: 12.198 ng
RT: 10.88 min Scan# 1327
Delta R.T. -0.00 min
Lab File: BG045097.D
Acq: 20 Apr 2020 15:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.4	14.2
127	14.1	10.8	16.2

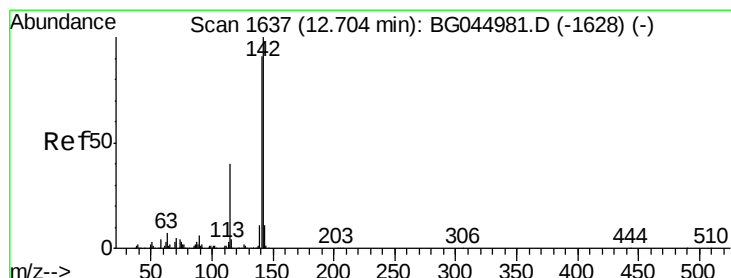
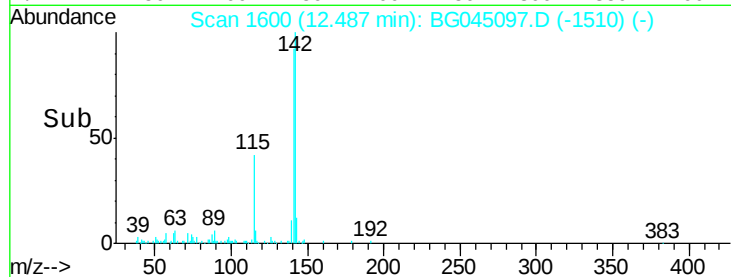
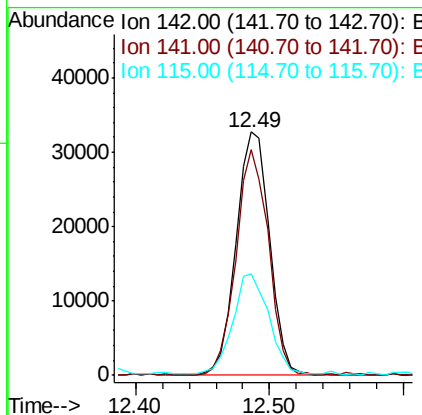
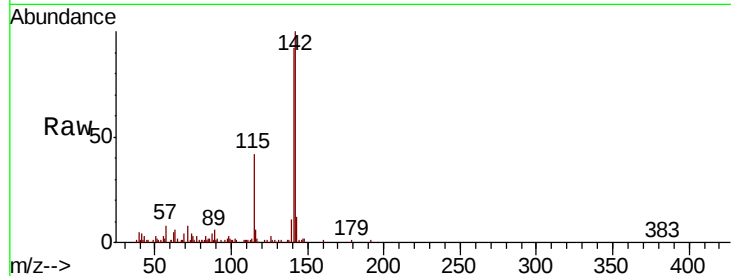




#37
 2-Methylnaphthalene
 Concen: 3.952 ng
 RT: 12.49 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BG045097.D
 Acq: 20 Apr 2020 15:44

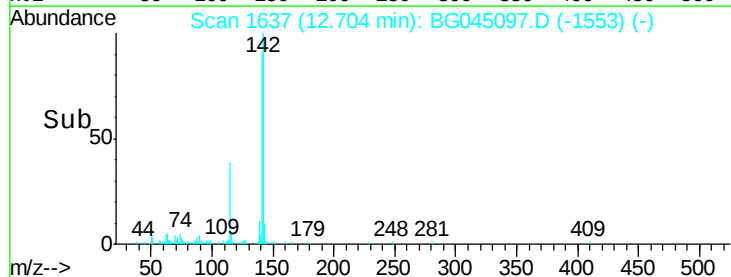
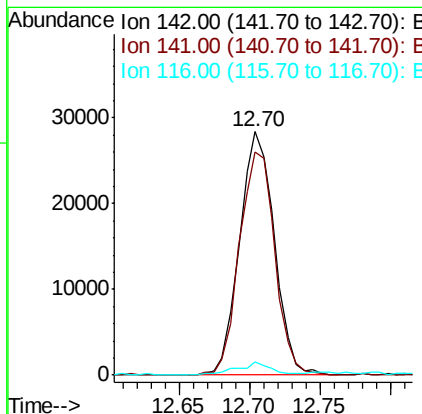
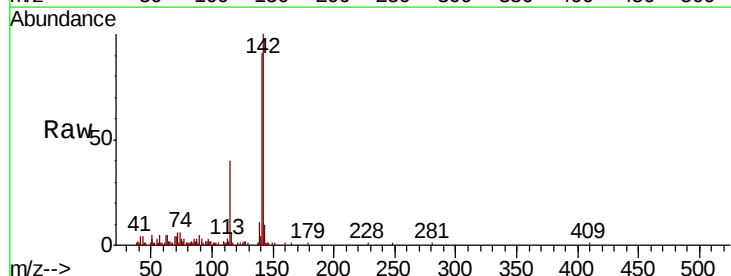
Instrument :
 BNA_G
 ClientSampleId :
 WB-9-2

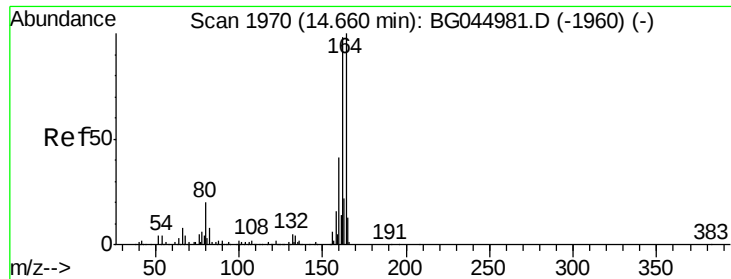
Tot Ion	Ratio	Lower	Upper
142	100		
141	92.5	70.3	105.5
115	41.6	29.8	44.6



#38
 1-Methylnaphthalene
 Concen: 3.606 ng
 RT: 12.70 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BG045097.D
 Acq: 20 Apr 2020 15:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.7	109.1
116	5.6	3.1	4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

Instrument :

BNA_G

ClientSampleId :

WB-9-2

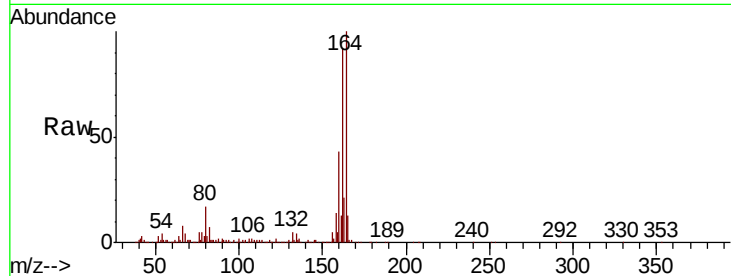
Tot Ion:164 Resp: 229147

Ion Ratio Lower Upper

164 100

162 92.2 78.7 118.1

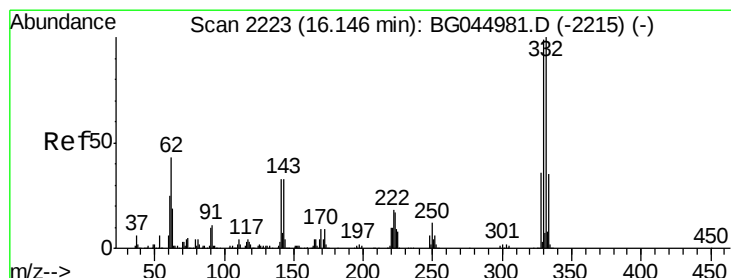
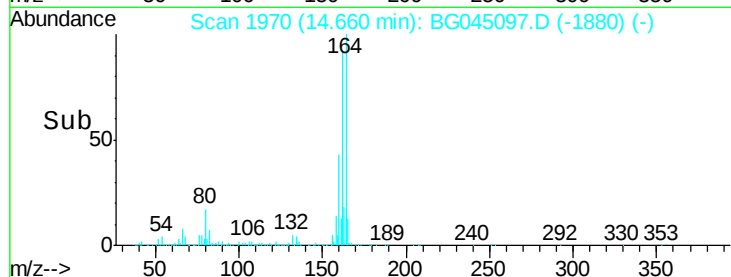
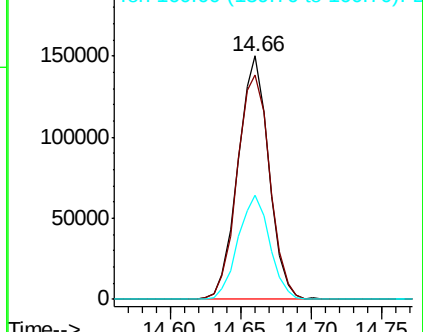
160 42.8 32.8 49.2



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: 58.853 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

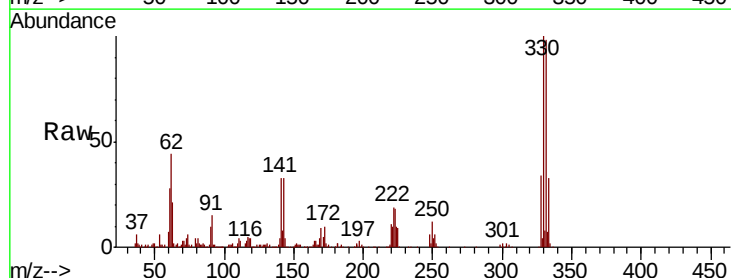
Tgt Ion:330 Resp: 208341

Ion Ratio Lower Upper

330 100

332 98.9 79.1 118.7

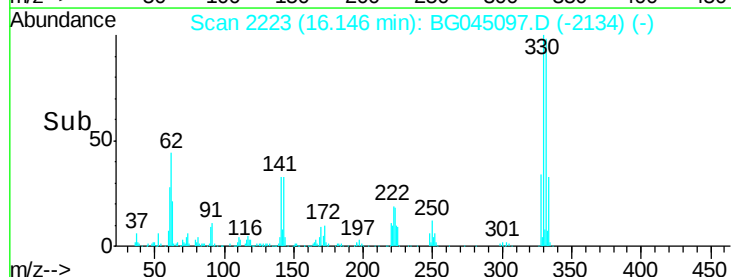
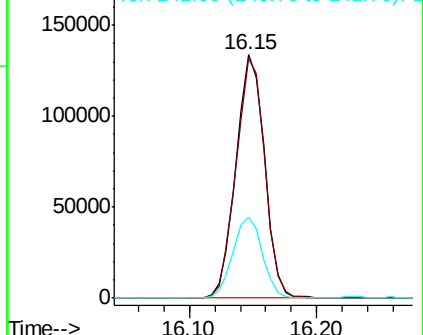
141 34.0 27.1 40.7

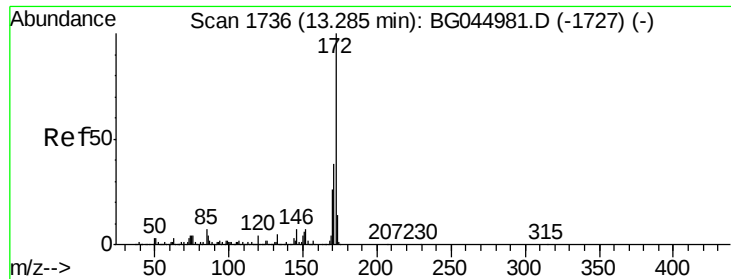


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

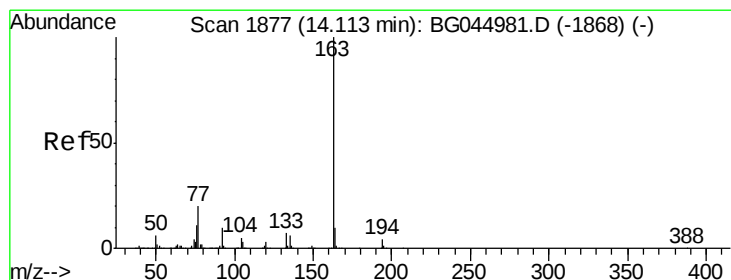
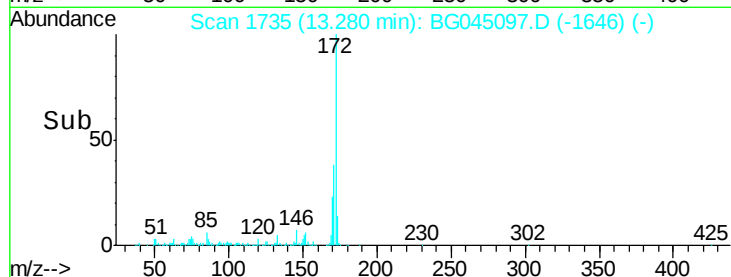
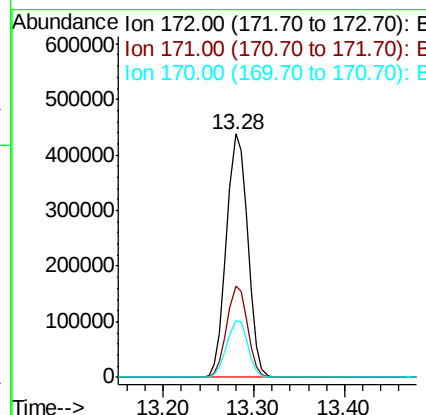
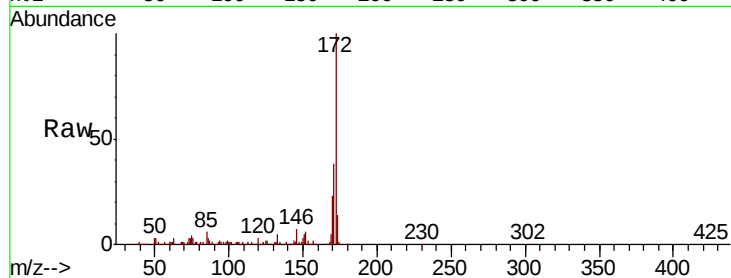




#45
2-Fluorobiphenyl
Concen: 45.831 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.01 min
Lab File: BG045097.D
Acq: 20 Apr 2020 15:44

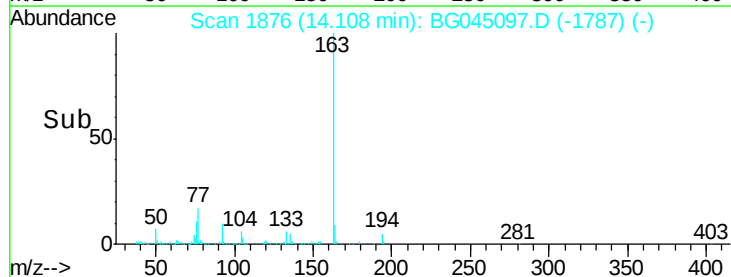
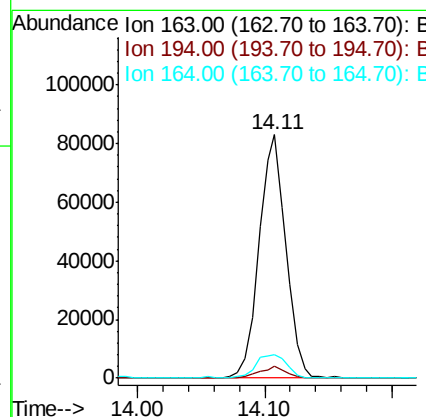
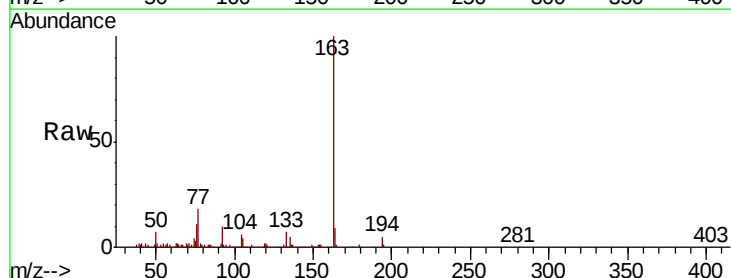
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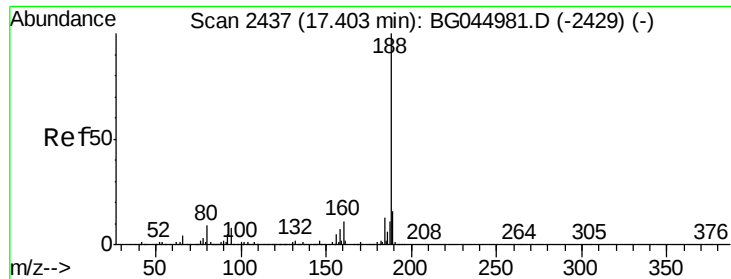
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.6	46.0
170	23.3	20.5	30.7



#50
Dimethylphthalate
Concen: 6.544 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG045097.D
Acq: 20 Apr 2020 15:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.5	5.3
164	9.4	8.2	12.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

Instrument :

BNA_G

ClientSampleId :

WB-9-2

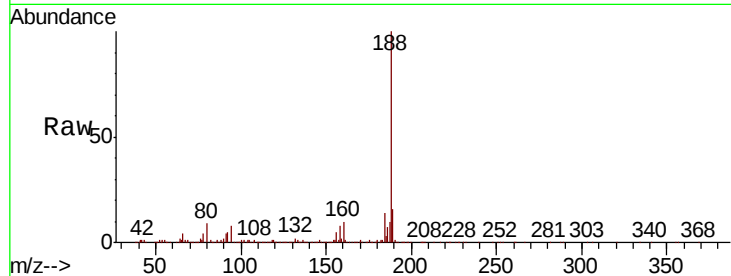
Tot Ion:188 Resp: 473768

Ion Ratio Lower Upper

188 100

94 7.6 6.2 9.4

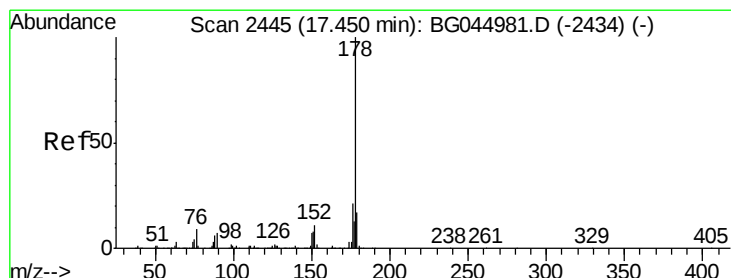
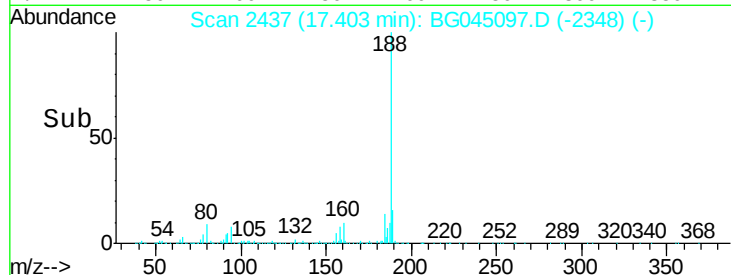
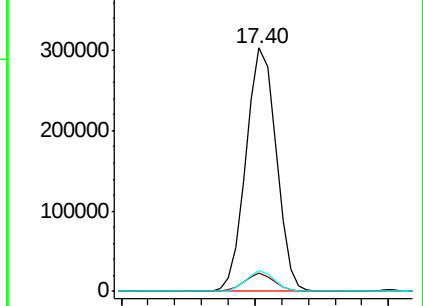
80 8.7 7.0 10.6



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: 6.642 ng

RT: 17.44 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

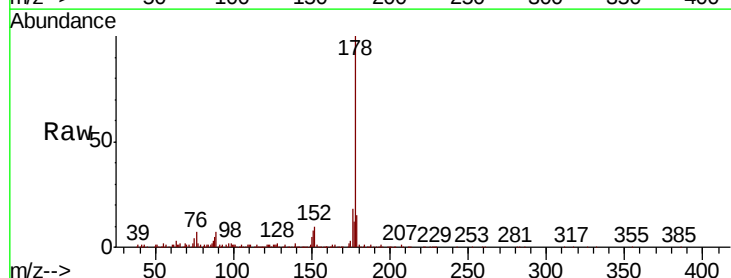
Tgt Ion:178 Resp: 161695

Ion Ratio Lower Upper

178 100

176 18.3 16.8 25.2

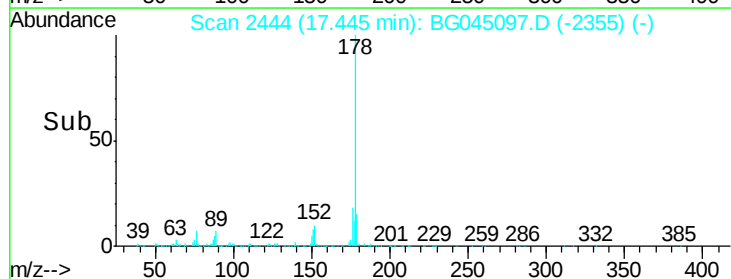
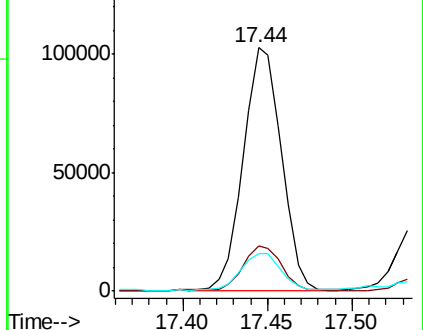
179 15.2 13.2 19.8

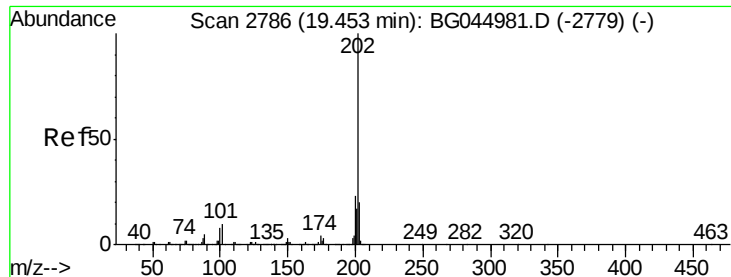


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.876 ng

RT: 19.45 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

Instrument :

BNA_G

ClientSampleId :

WB-9-2

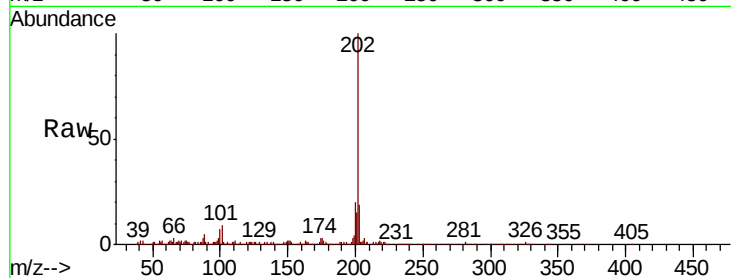
Tot Ion:202 Resp: 181565

Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.6

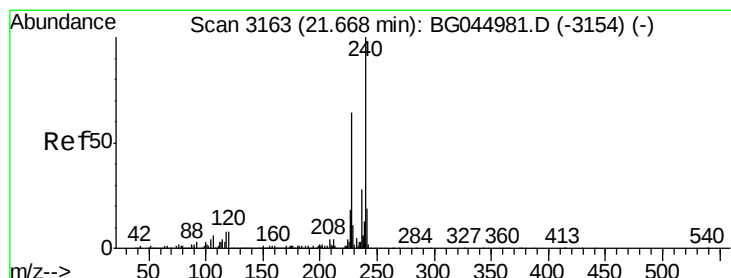
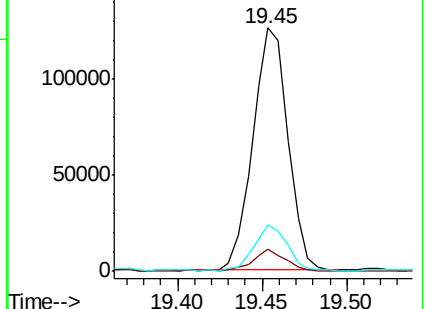
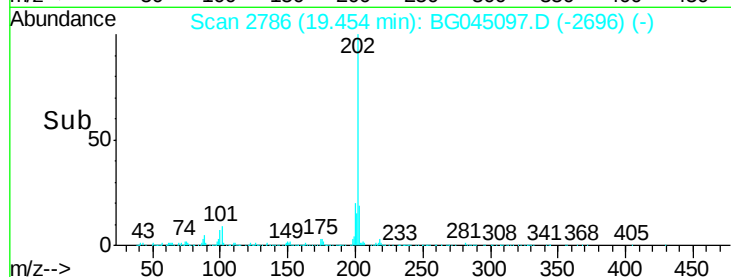
203 18.9 0.0 39.7



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: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

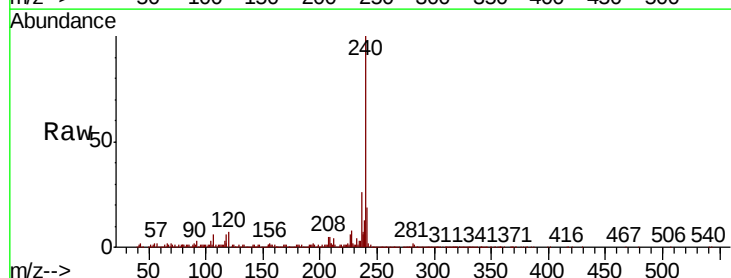
Tgt Ion:240 Resp: 439005

Ion Ratio Lower Upper

240 100

120 7.5 6.6 10.0

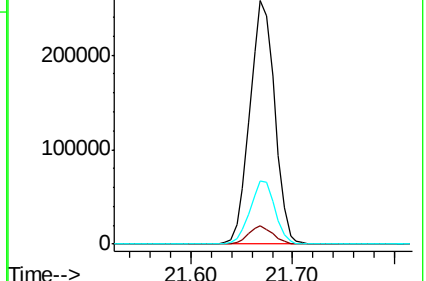
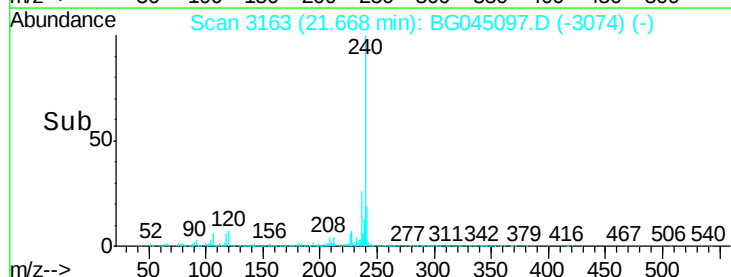
236 25.9 22.2 33.2

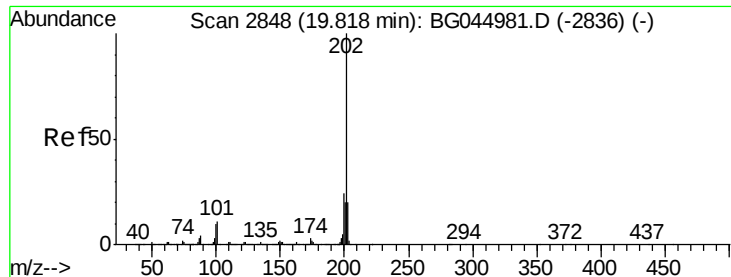


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.512 ng

RT: 19.82 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

Instrument :

BNA_G

ClientSampleId :

WB-9-2

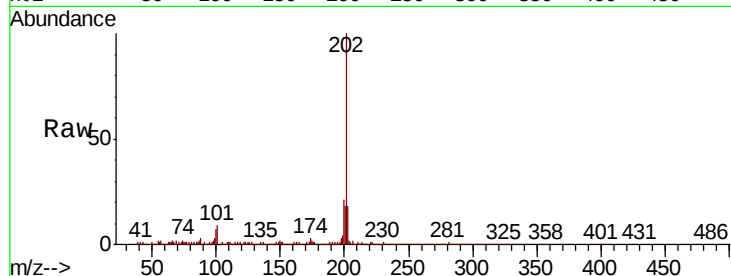
Tot Ion:202 Resp: 257615

Ion Ratio Lower Upper

202 100

200 20.6 19.0 28.6

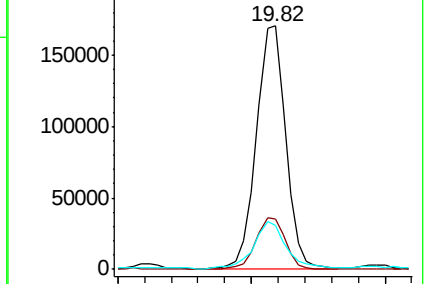
203 18.1 16.1 24.1



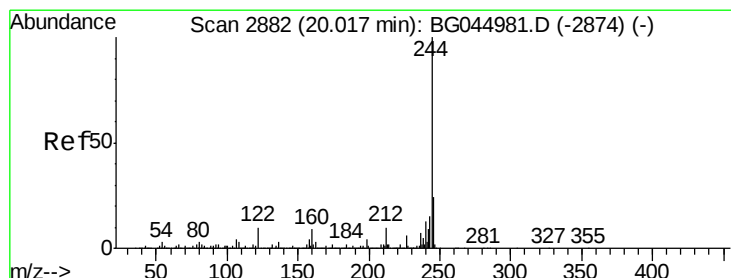
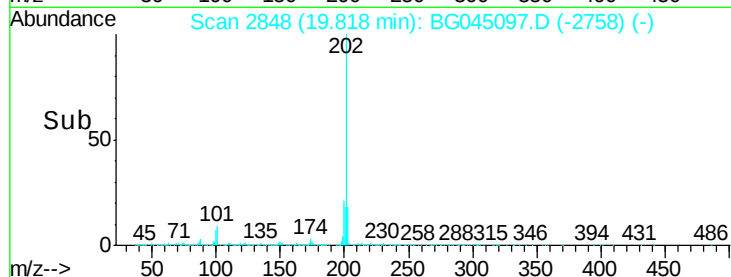
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.70 19.80 19.90



#79

Terphenyl-d14

Concen: 50.327 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

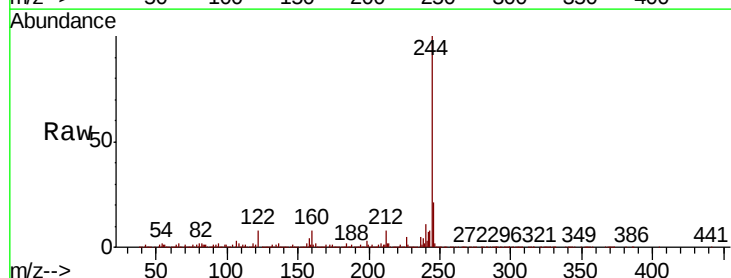
Tgt Ion:244 Resp: 1013688

Ion Ratio Lower Upper

244 100

212 8.1 7.9 11.9

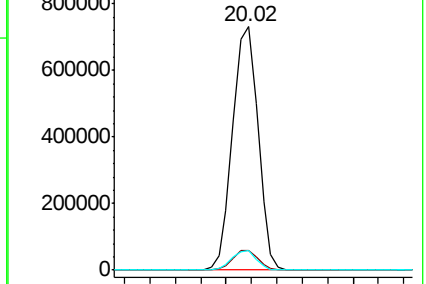
122 8.0 7.7 11.5



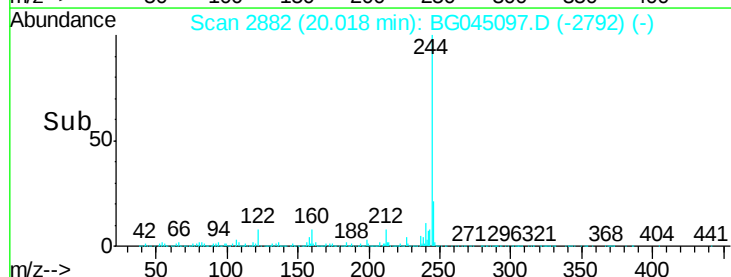
Abundance Ion 244.00 (243.70 to 244.70): E

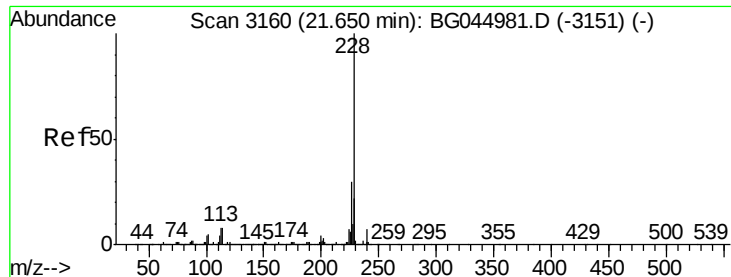
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 20.00 20.10





#81

Benzo(a)anthracene

Concen: 4.038 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

Instrument :

BNA_G

ClientSampleId :

WB-9-2

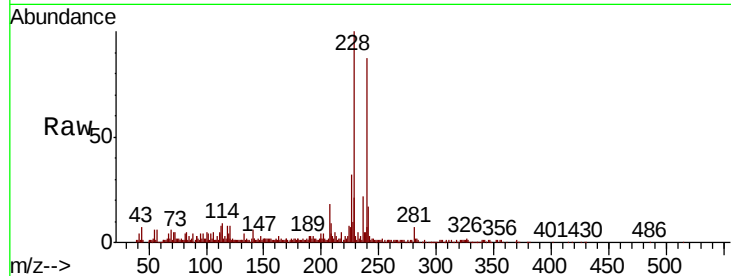
Tot Ion:228 Resp: 114905

Ion Ratio Lower Upper

228 100

226 32.2 24.0 36.0

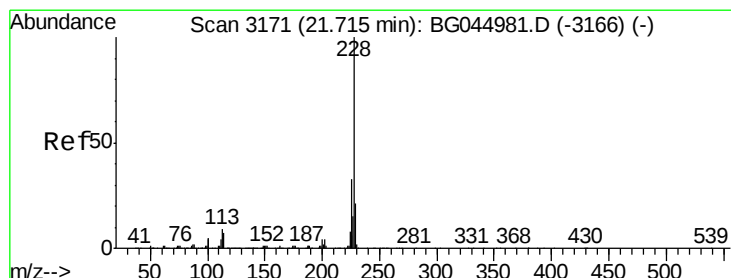
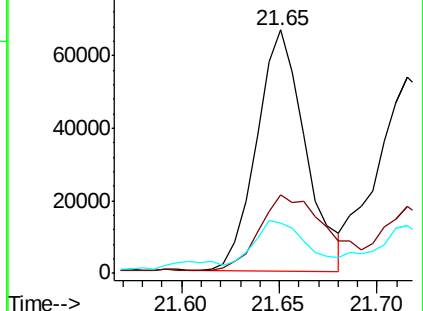
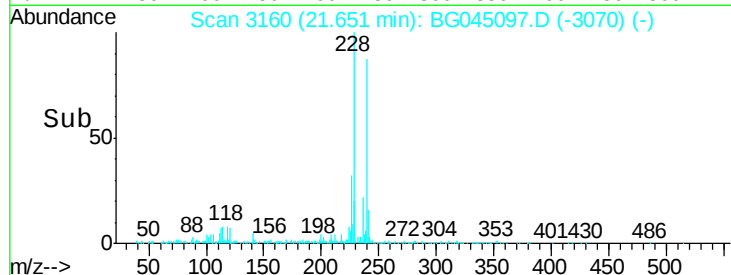
229 20.6 17.5 26.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.854 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

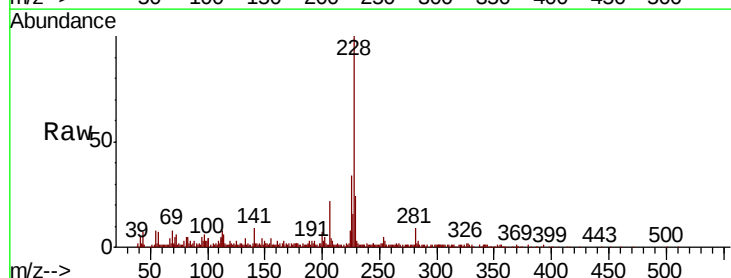
Tgt Ion:228 Resp: 105355

Ion Ratio Lower Upper

228 100

226 33.8 26.2 39.4

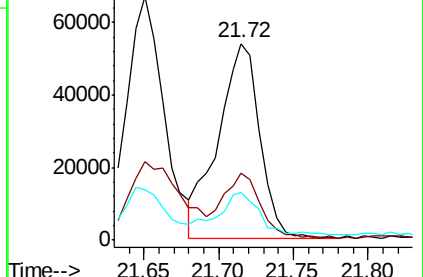
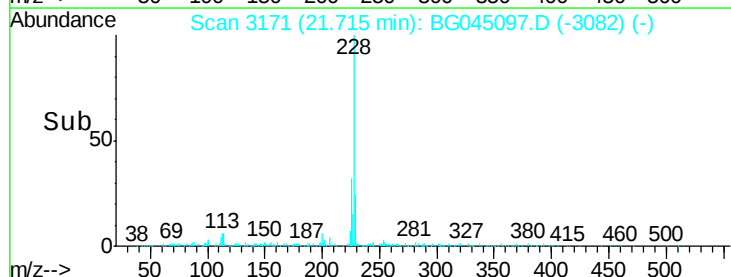
229 24.4 17.0 25.6

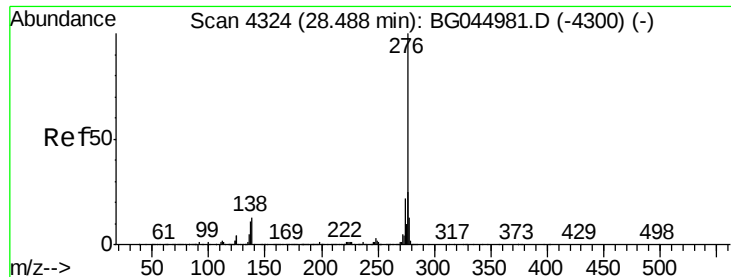


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.101 ng

RT: 28.48 min Scan# 4322

Delta R.T. -0.02 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

Instrument :

BNA_G

ClientSampleId :

WB-9-2

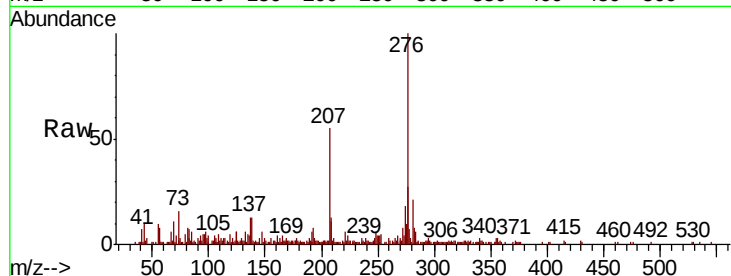
Tot Ion:276 Resp: 112547

Ion Ratio Lower Upper

276 100

138 6.7 9.6 14.4#

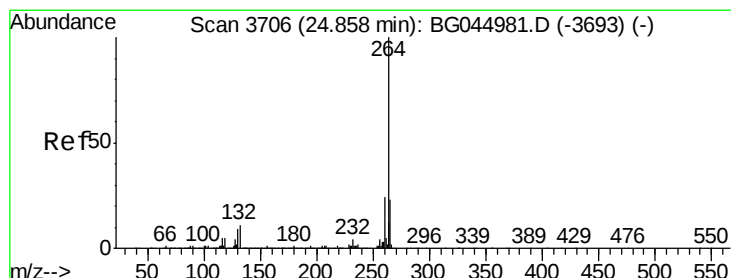
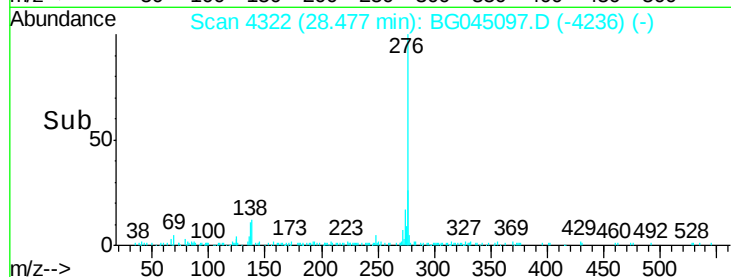
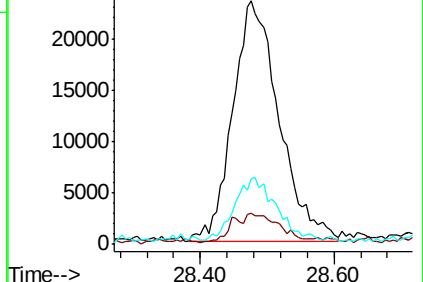
277 23.9 20.6 31.0



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: 24.86 min Scan# 3707

Delta R.T. -0.00 min

Lab File: BG045097.D

Acq: 20 Apr 2020 15:44

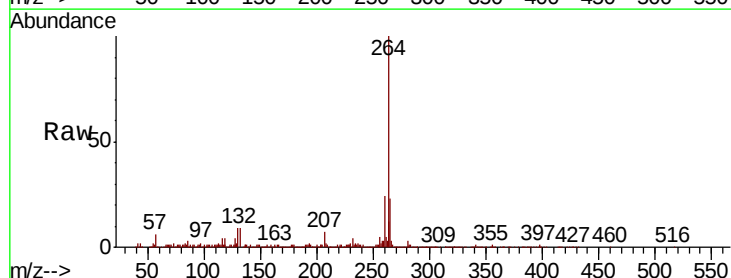
Tgt Ion:264 Resp: 490788

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

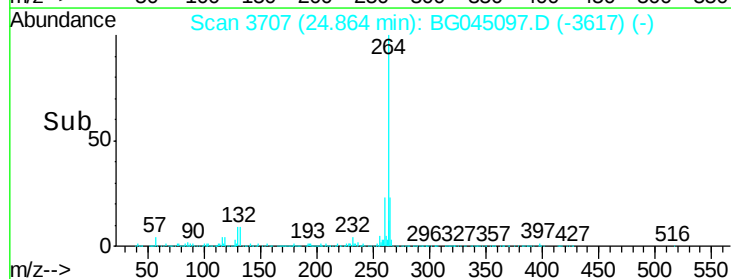
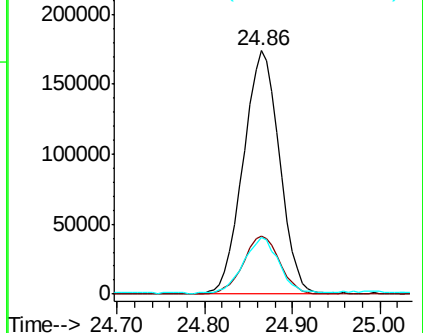
265 23.3 19.0 28.4

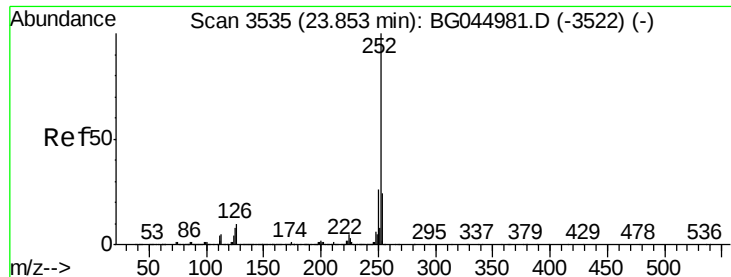


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

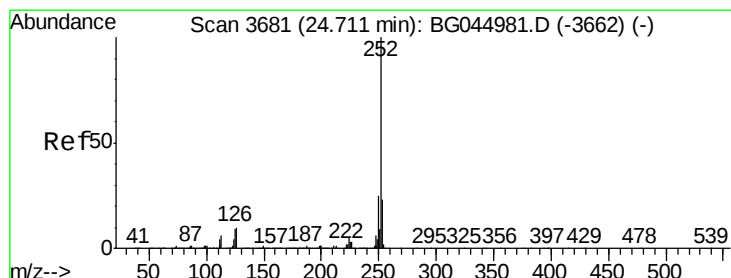
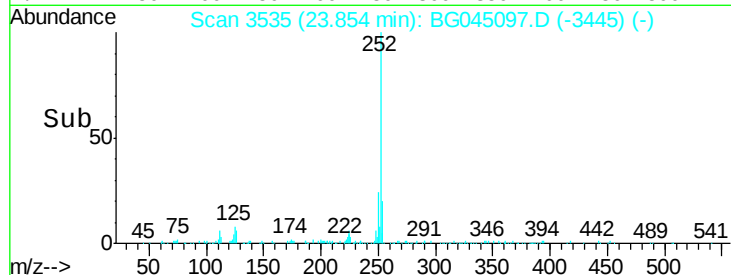
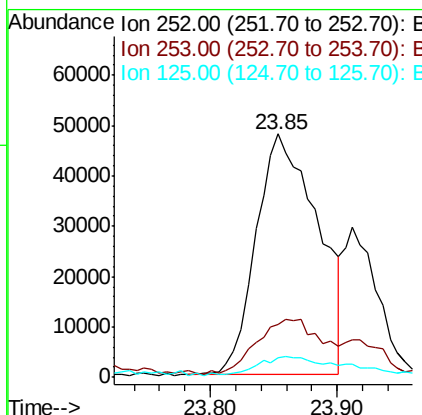
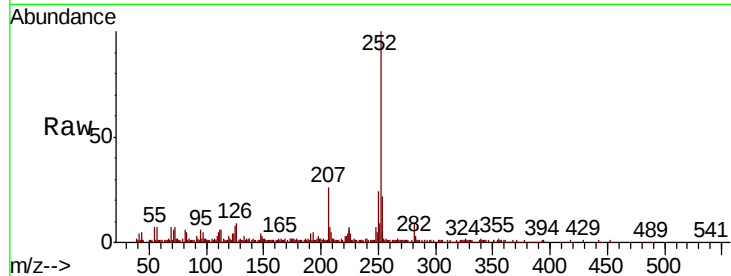




#88
Benzo(b)fluoranthene
Concen: 5.276 ng
RT: 23.85 min Scan# 3535
Delta R.T. -0.00 min
Lab File: BG045097.D
Acq: 20 Apr 2020 15:44

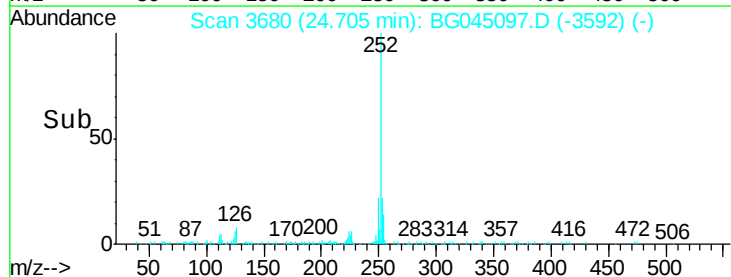
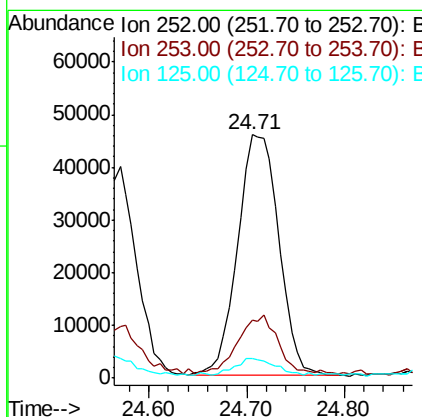
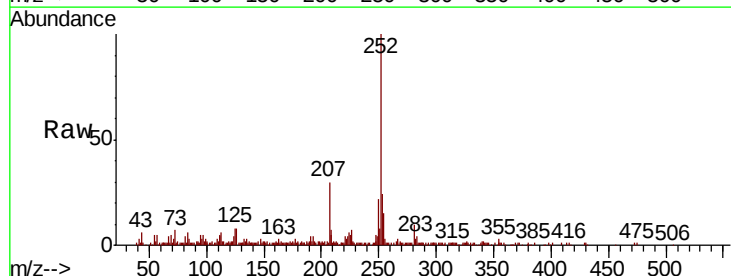
Instrument :
BNA_G
ClientSampleId :
WB-9-2

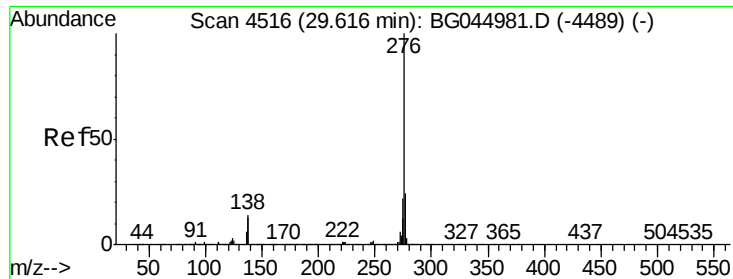
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.8	28.2
125	7.9	6.2	9.4



#90
Benzo(a)pyrene
Concen: 4.640 ng
RT: 24.71 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG045097.D
Acq: 20 Apr 2020 15:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.3	27.5
125	8.3	7.0	10.6





#92
 Benzo(a,h,i)perylene
 Concen: 4.125 ng
 RT: 29.62 min Scan# 4516
 Delta R.T. -0.02 min
 Lab File: BG045097.D
 Acq: 20 Apr 2020 15:44

Instrument :
 BNA_G
 ClientSampleId :
 WB-9-2

Tot Ion:276	Resp:	120958
Ion	Ratio	Lower Upper
276	100	
277	21.5	19.3 28.9
138	15.1	11.4 17.2

