

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034788.D
 Acq On : 29 May 2018 22:10
 Operator : SJ/JU
 Sample : J3157-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

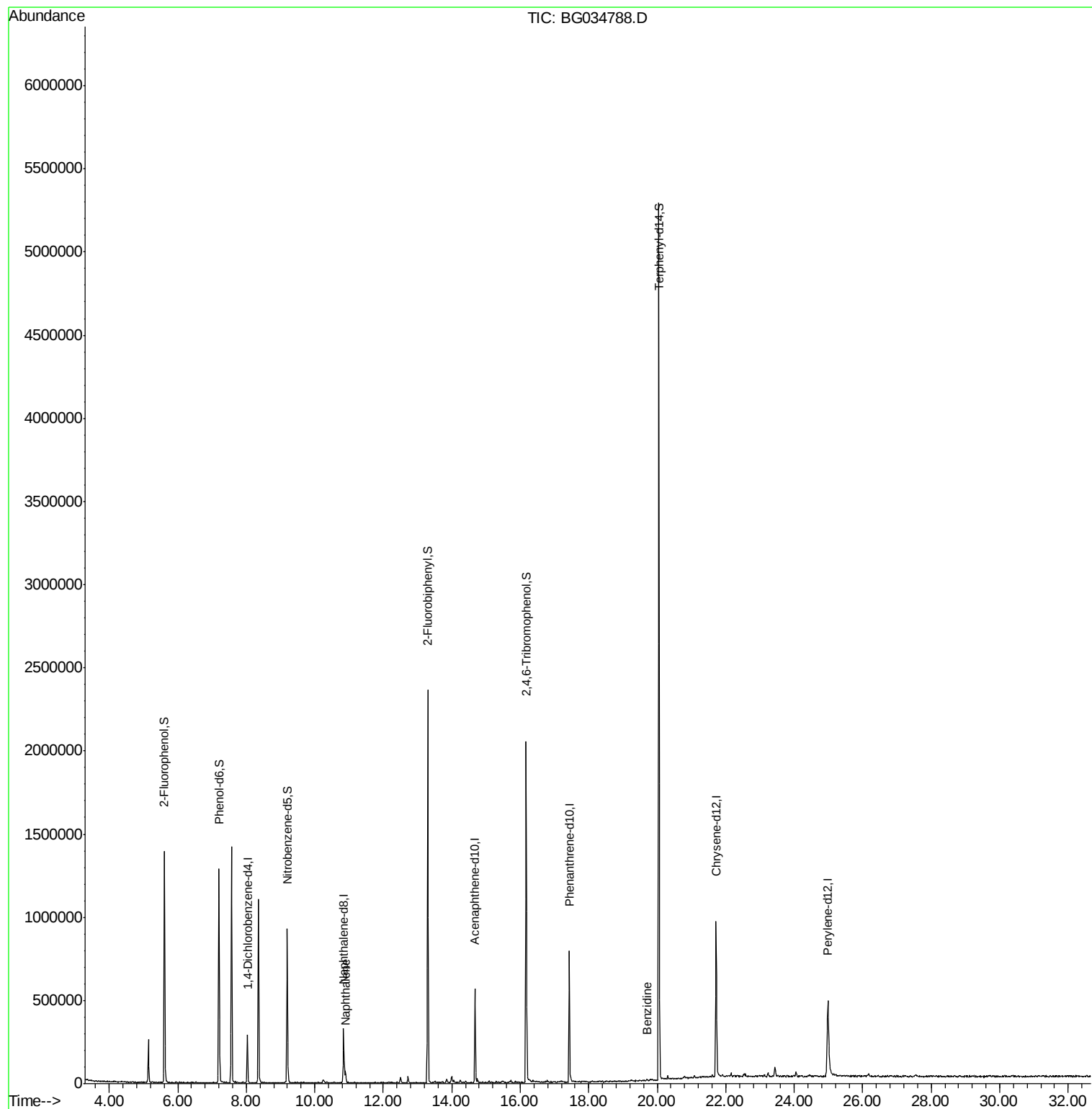
Quant Time: May 30 04:52:30 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	85627	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	294946	20.00	ng	-0.01
38) Acenaphthene-d10	14.68	164	200916	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	531168	20.00	ng	0.00
75) Chrysene-d12	21.72	240	657729	20.00	ng	-0.02
86) Perylene-d12	24.99	264	647469	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	638156	114.79	ng	0.00
7) Phenol-d6	7.20	99	820479	91.23	ng	0.00
23) Nitrobenzene-d5	9.20	82	619442	80.23	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	467313	135.05	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	1286058	86.90	ng	0.00
78) Terphenyl-d14	20.05	244	2634961	87.85	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.89	128	61940	4.039	ng	97
76) Benzidine	19.70	184	8846	3.880	ng	# 91

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

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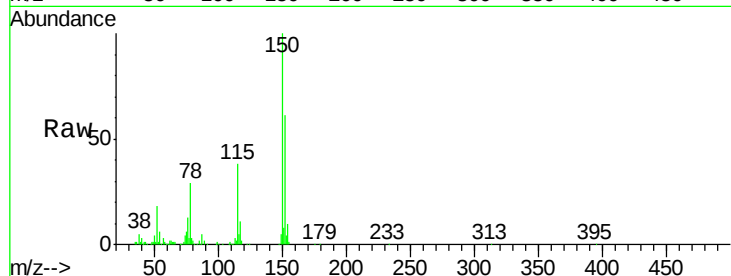




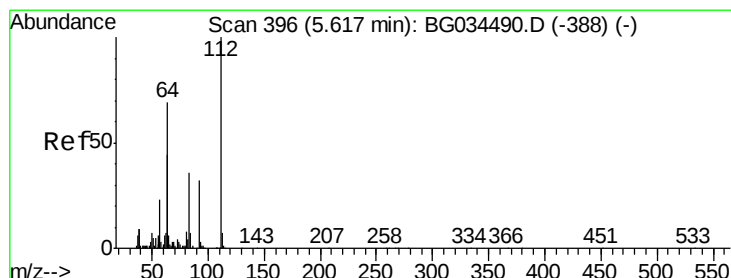
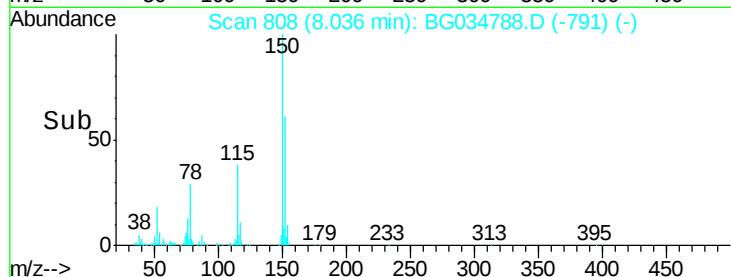
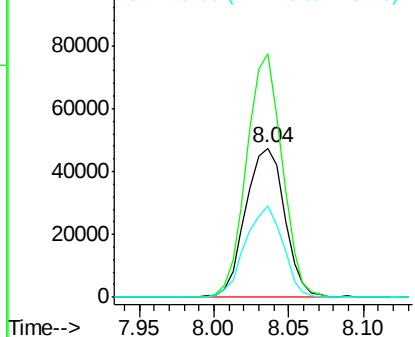
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. 0.00 min
Lab File: BG034788.D
Acq: 29 May 2018 22:10

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.3	126.6	189.8
115	61.6	53.0	79.4



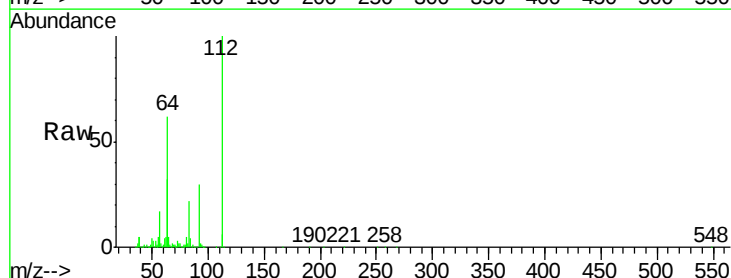
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



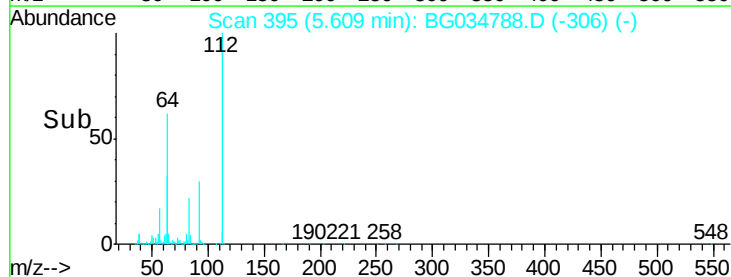
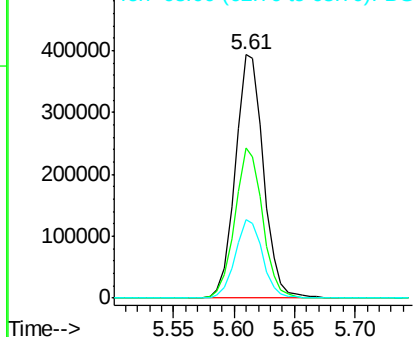
#5

2-Fluorophenol
Concen: 114.789 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG034788.D
Acq: 29 May 2018 22:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	56.3	84.5
63	32.3	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 91.232 ng

RT: 7.20 min Scan# 666

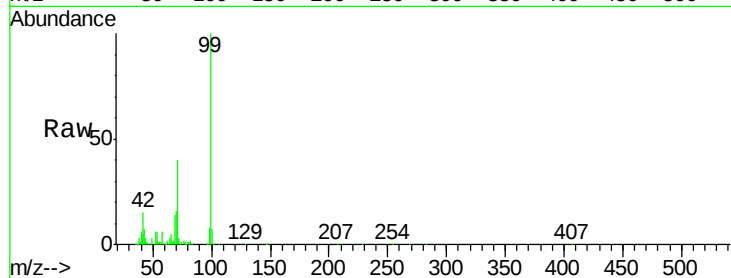
Delta R.T. -0.00 min

Lab File: BG034788.D

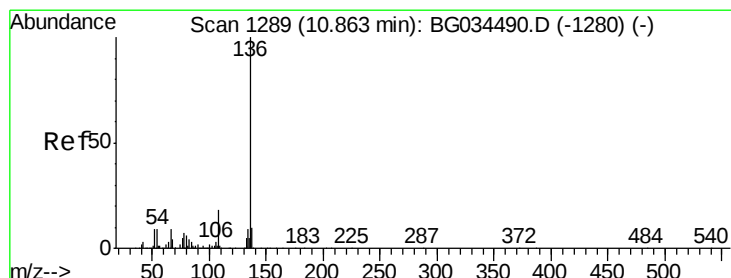
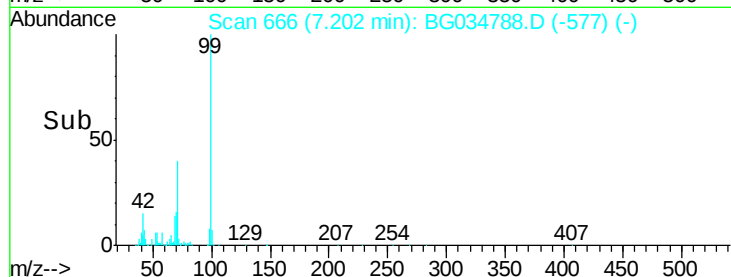
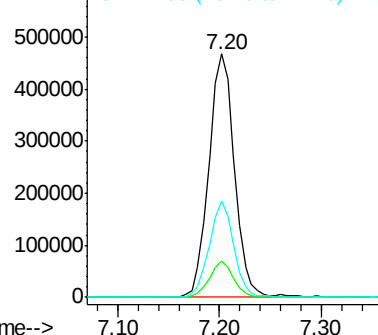
Acq: 29 May 2018 22:10

Tot Ion: 99 Resp: 820479

Ion	Ratio	Lower	Upper
99	100		
42	14.9	14.1	21.1
71	39.8	26.1	39.1#



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: 10.84 min Scan# 1286

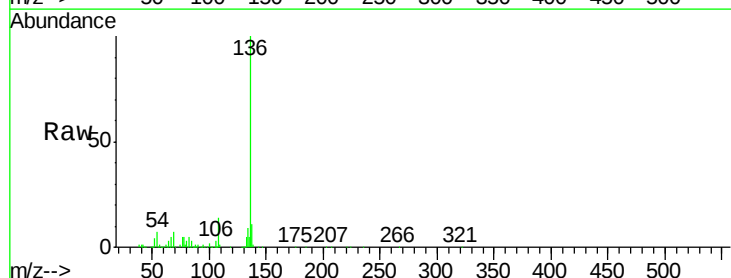
Delta R.T. -0.01 min

Lab File: BG034788.D

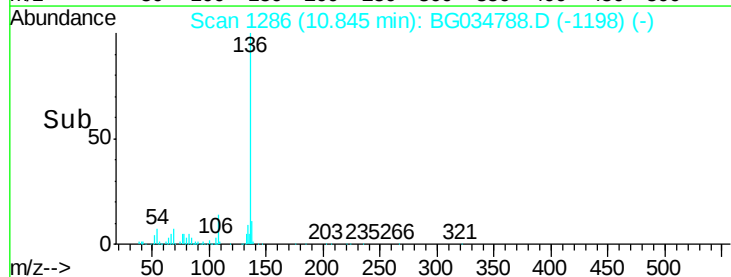
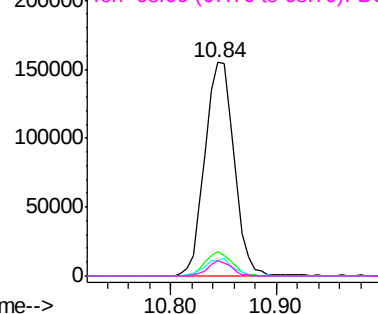
Acq: 29 May 2018 22:10

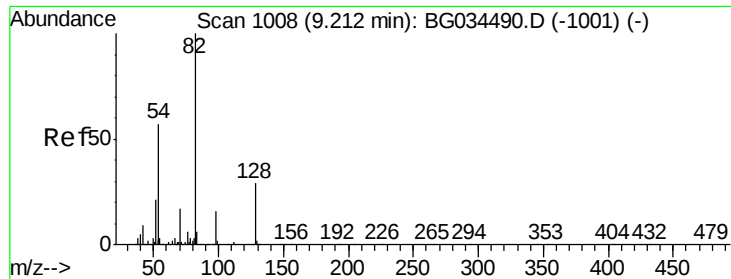
Tgt Ion: 136 Resp: 294946

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.0	10.3	15.5#
68	7.1	4.5	6.7#



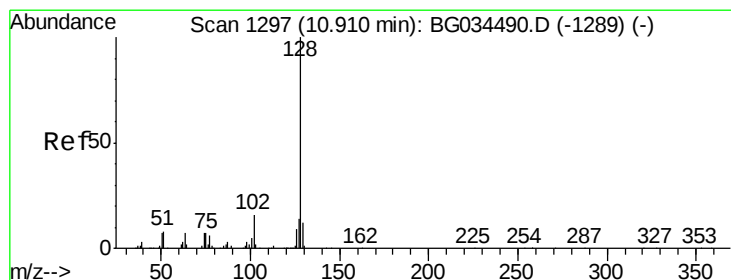
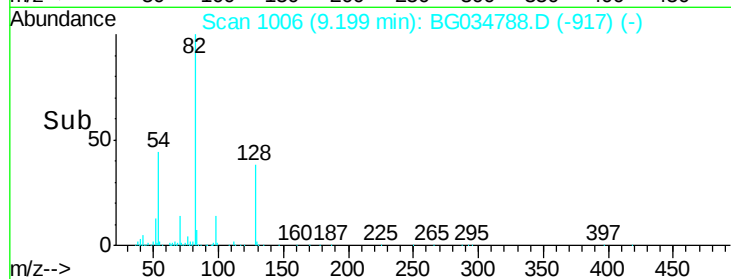
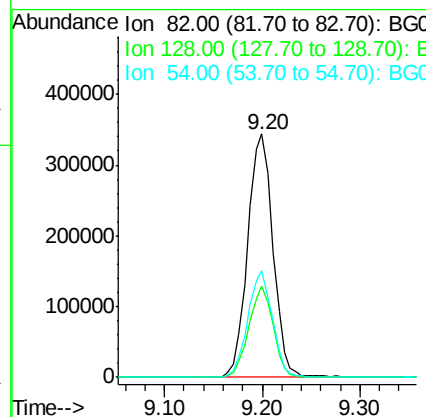
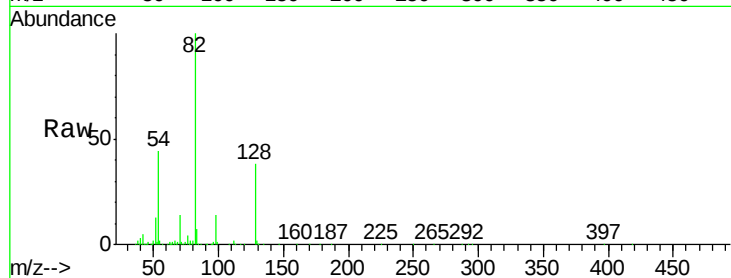
Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC





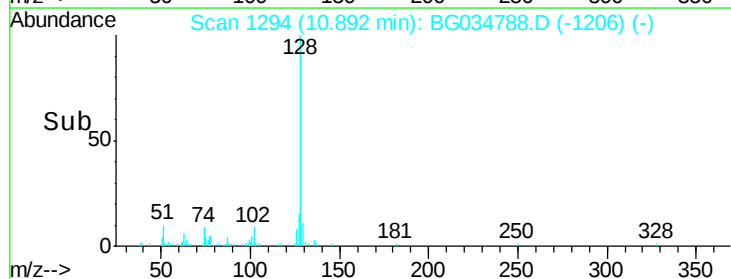
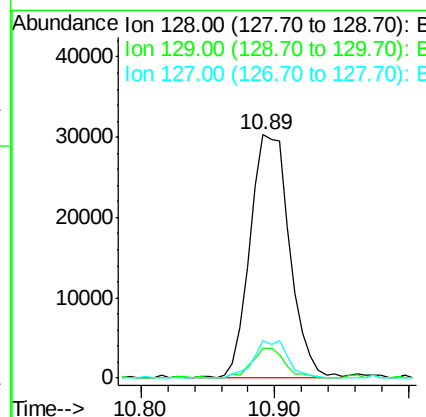
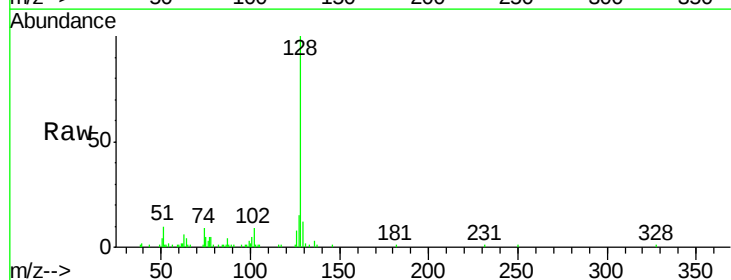
#23
 Nitrobenzene-d5
 Concen: 80.228 ng
 RT: 9.20 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BG034788.D
 Acq: 29 May 2018 22:10

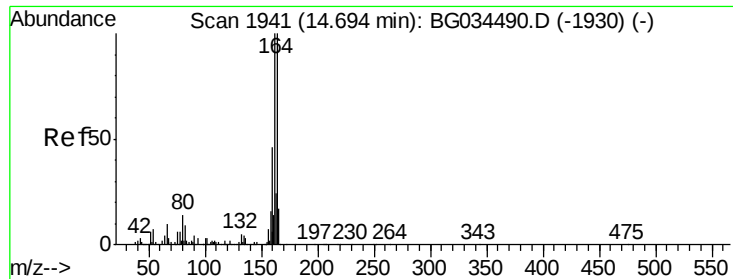
Tot Ion	82	Resp	619442
Ion	Ratio	Lower	Upper
82	100		
128	37.6	29.7	44.5
54	43.8	43.1	64.7



#31
 Naphthalene
 Concen: 4.039 ng
 RT: 10.89 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BG034788.D
 Acq: 29 May 2018 22:10

Tgt Ion	128	Resp	61940
Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.6	12.8
127	15.4	11.6	17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

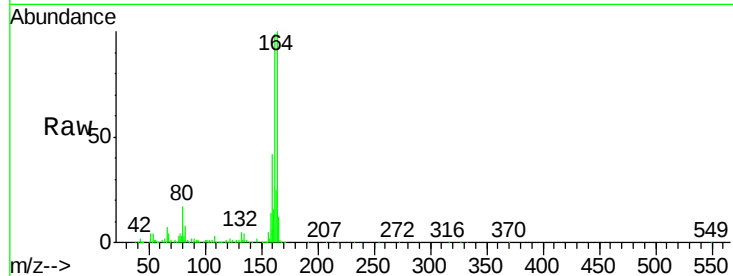
Tot Ion:164 Resp: 200916

Ion Ratio Lower Upper

164 100

162 99.4 78.8 118.2

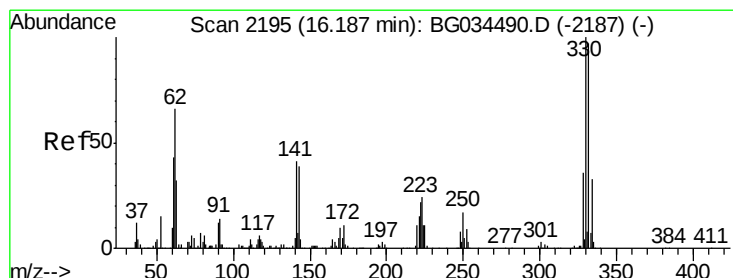
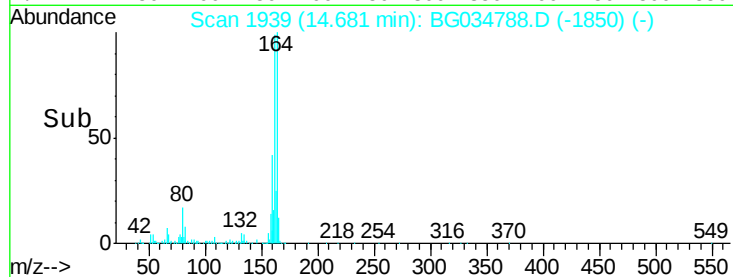
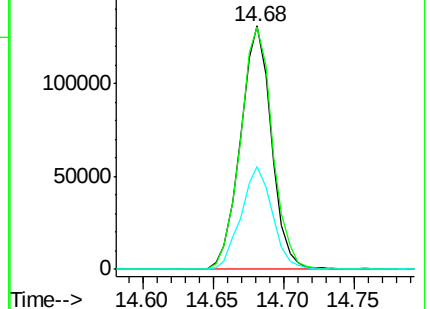
160 42.4 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 135.049 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

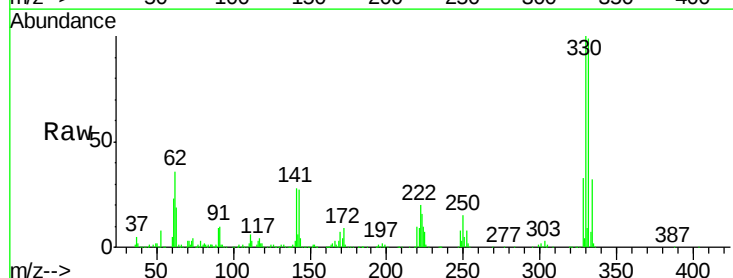
Tgt Ion:330 Resp: 467313

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

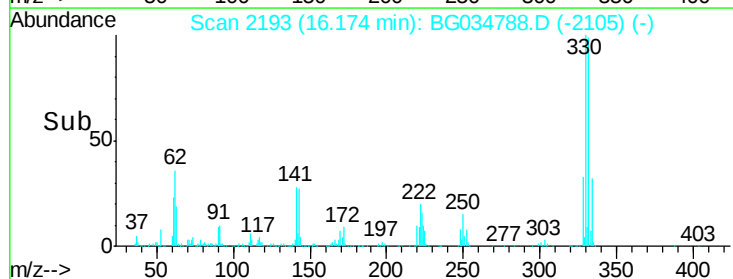
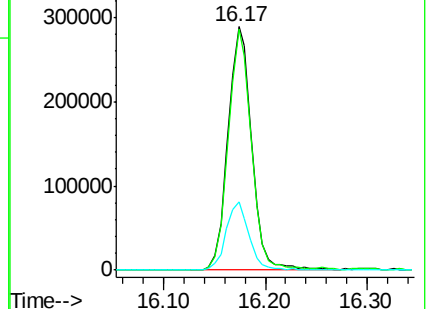
141 26.8 25.2 37.8

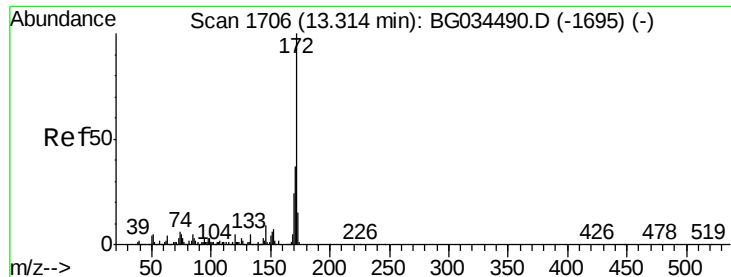


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

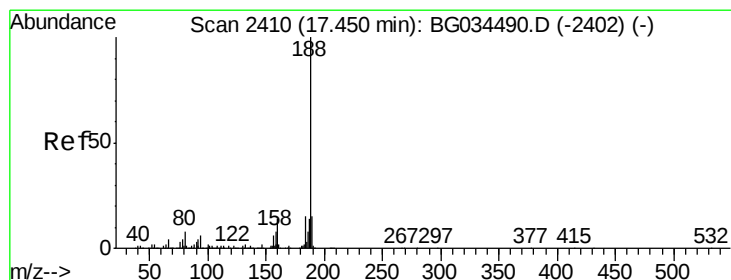
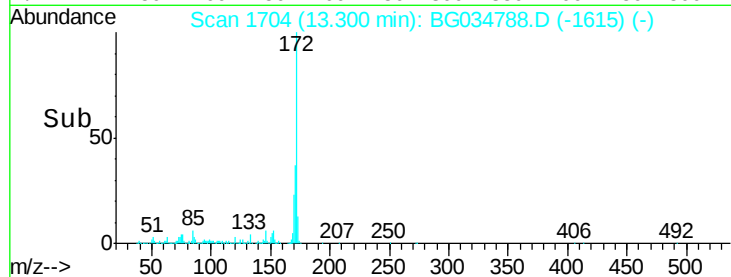
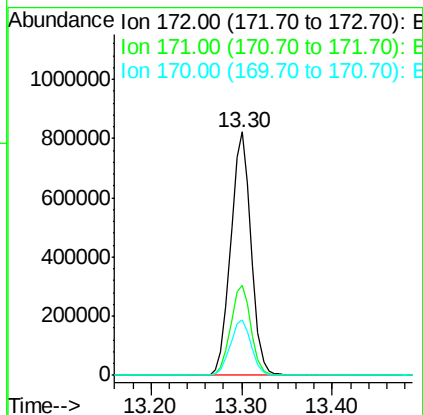
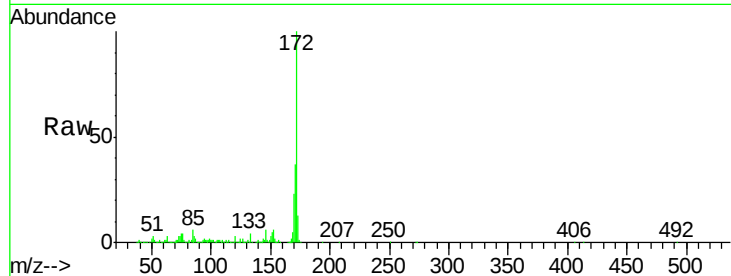




#44
 2-Fluorobiphenyl
 Concen: 86.901 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG034788.D
 Acq: 29 May 2018 22:10

Tot Ion:172 Resp: 1286058

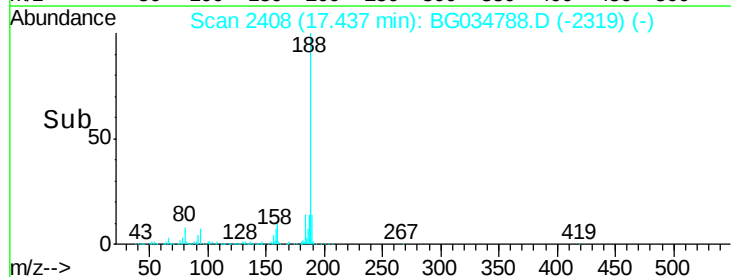
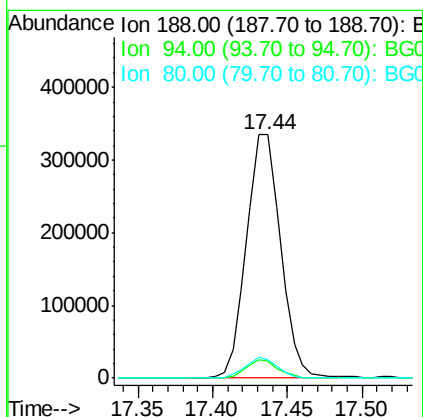
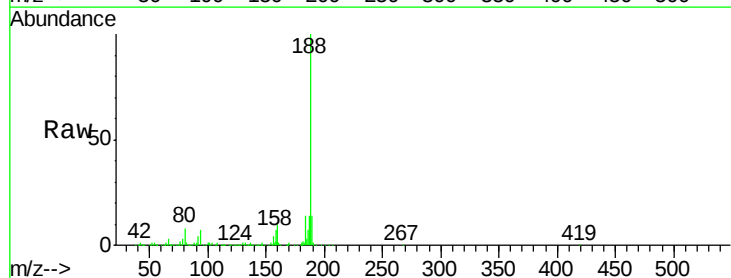
Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	23.0	19.5	29.3

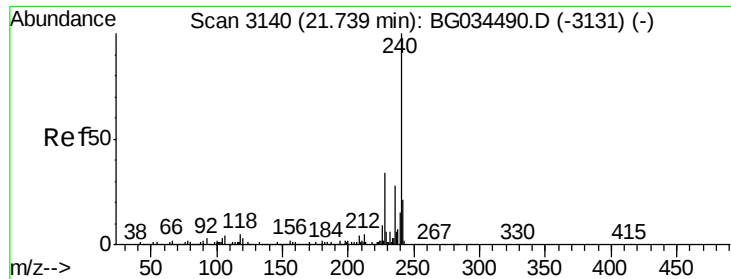


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BG034788.D
 Acq: 29 May 2018 22:10

Tgt Ion:188 Resp: 531168

Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.9	10.3#
80	7.7	7.7	11.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.72 min Scan# 3137

Delta R.T. -0.02 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

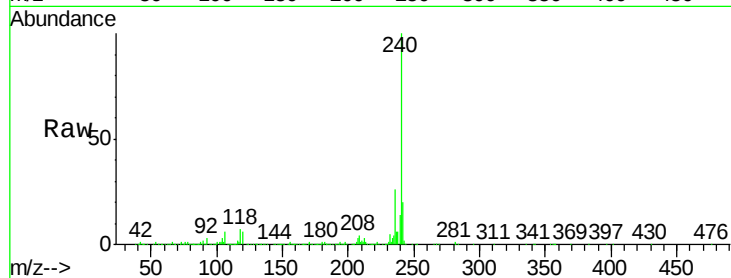
Tot Ion:240 Resp: 657729

Ion	Ratio	Lower	Upper
240	100		
120	5.9	6.8	10.2#
236	26.5	20.9	31.3

240 100

120 5.9 6.8 10.2#

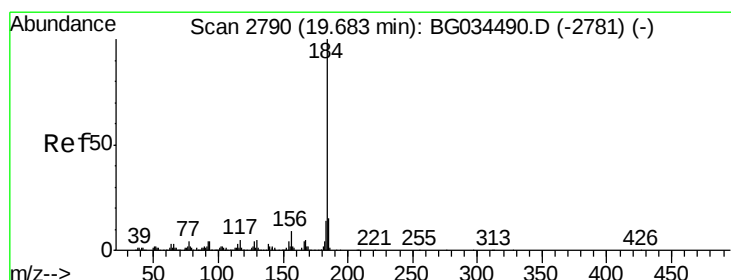
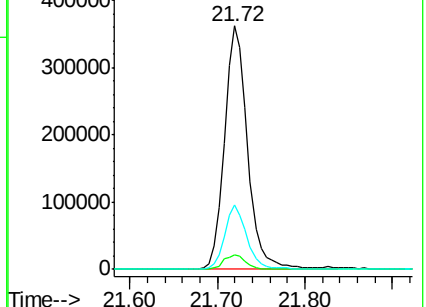
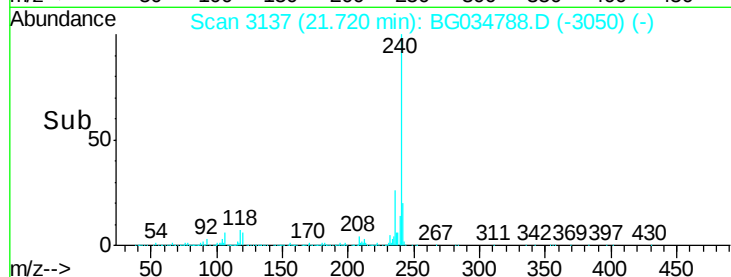
236 26.5 20.9 31.3



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



#76

Benzidine

Concen: 3.880 ng

RT: 19.70 min Scan# 2793

Delta R.T. 0.02 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

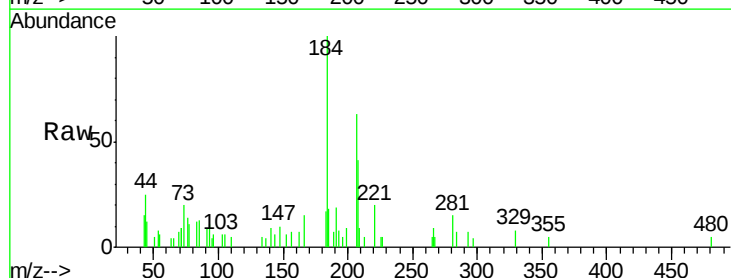
Tgt Ion:184 Resp: 8846

Ion	Ratio	Lower	Upper
184	100		
185	17.8	11.1	16.7#
183	16.7	10.6	16.0#

184 100

185 17.8 11.1 16.7#

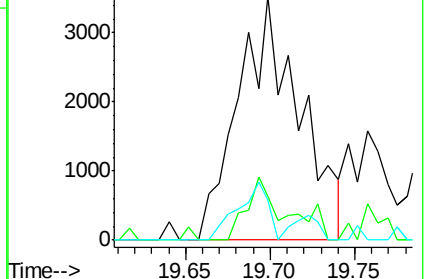
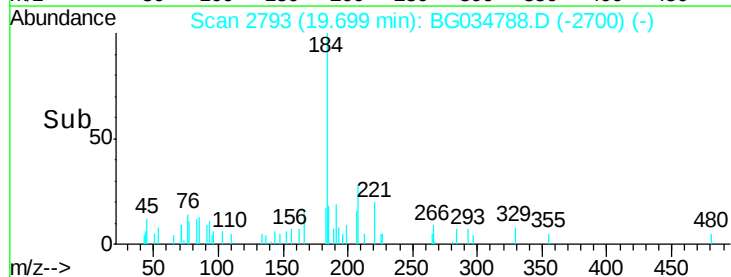
183 16.7 10.6 16.0#

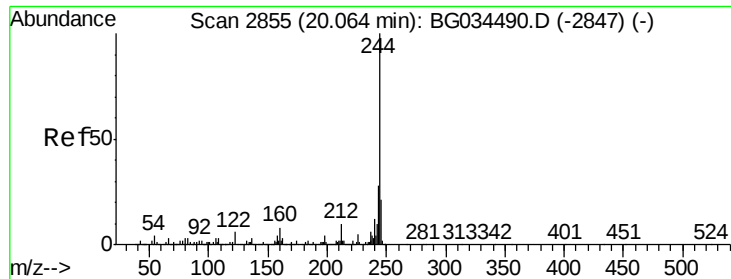


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 87.853 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

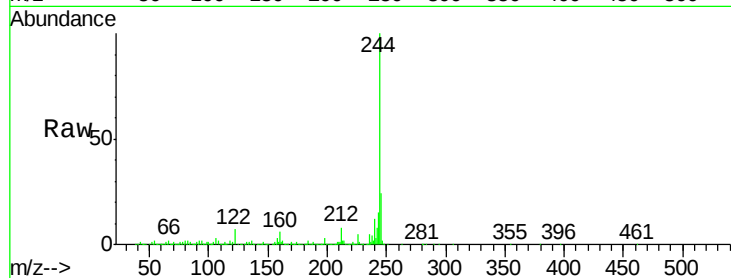
Tot Ion:244 Resp: 2634961

Ion Ratio Lower Upper

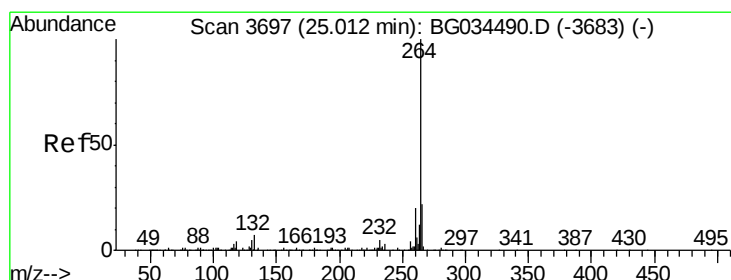
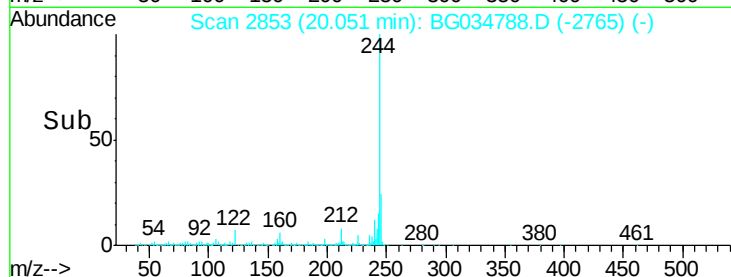
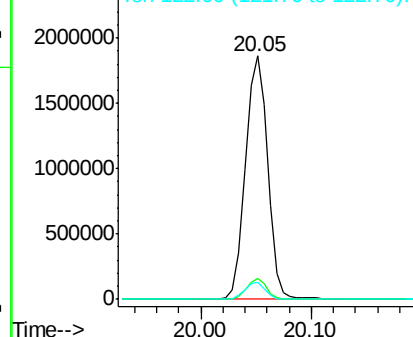
244 100

212 8.4 5.8 8.8

122 7.1 7.0 10.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.99 min Scan# 3693

Delta R.T. -0.02 min

Lab File: BG034788.D

Acq: 29 May 2018 22:10

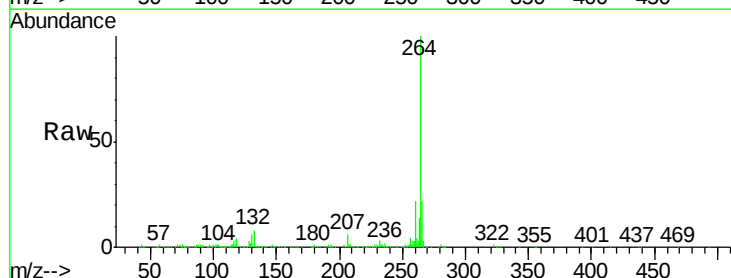
Tgt Ion:264 Resp: 647469

Ion Ratio Lower Upper

264 100

260 21.7 17.4 26.0

265 22.3 17.7 26.5



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

