

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052918\
 Data File : BG034798.D
 Acq On : 30 May 2018 5:13
 Operator : SJ/JU
 Sample : J3178-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

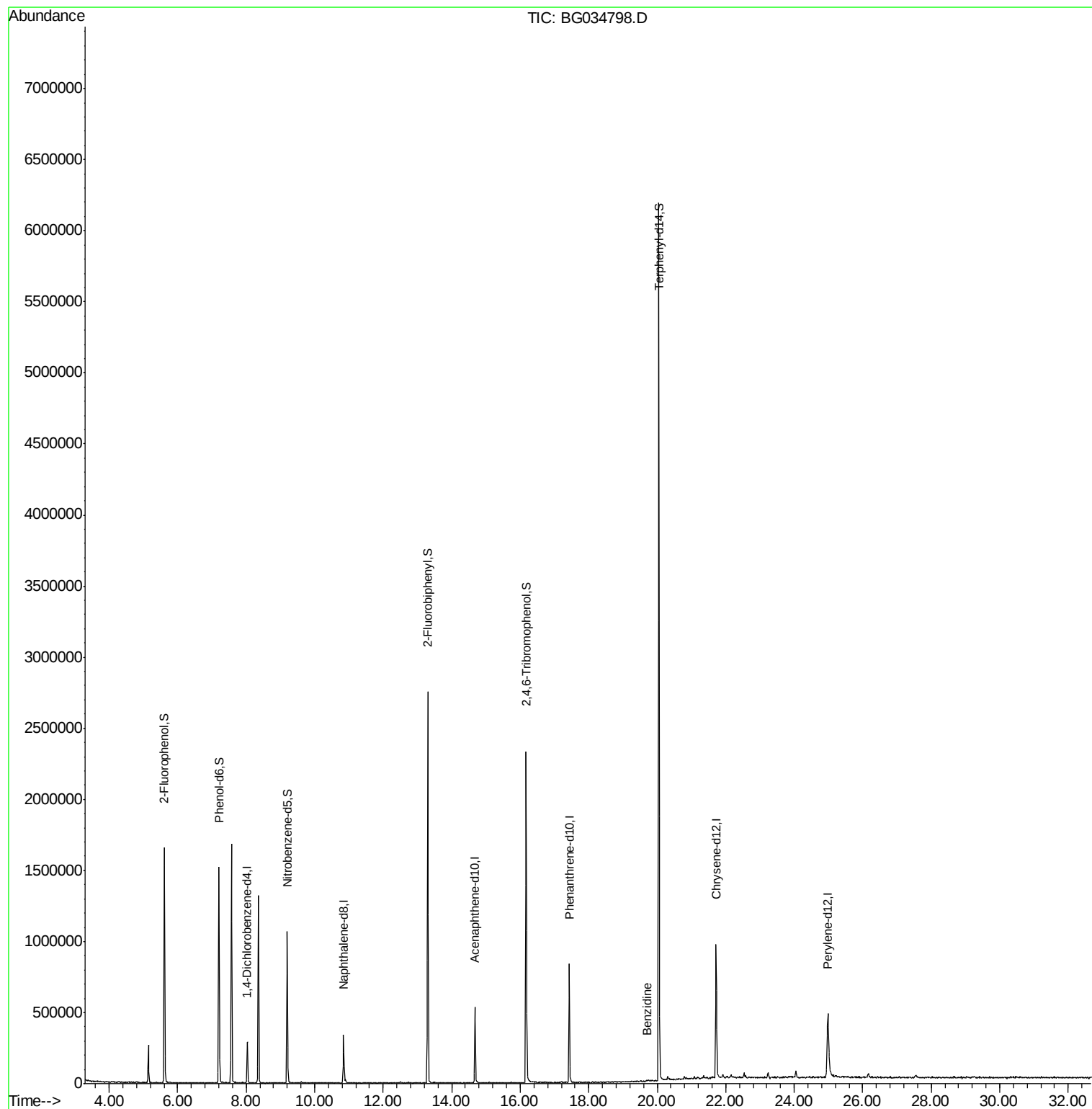
Quant Time: May 30 07:59:35 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 25 14:58:34 2018
 Response via : Initial Calibration

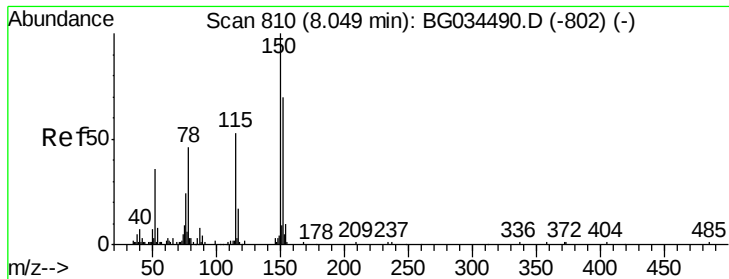
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	81133	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	293629	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	203076	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	553284	20.00	ng	0.00
75) Chrysene-d12	21.72	240	663228	20.00	ng	-0.02
86) Perylene-d12	24.98	264	656444	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	767241	145.65	ng	0.00
7) Phenol-d6	7.20	99	991987	116.41	ng	0.00
23) Nitrobenzene-d5	9.20	82	728210	94.74	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	525684	150.30	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1518598	101.52	ng	0.00
78) Terphenyl-d14	20.05	244	3005274	99.37	ng	0.00
Target Compounds						
76) Benzidine	19.70	184	12001	4.036	ng	Qvalue # 82

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

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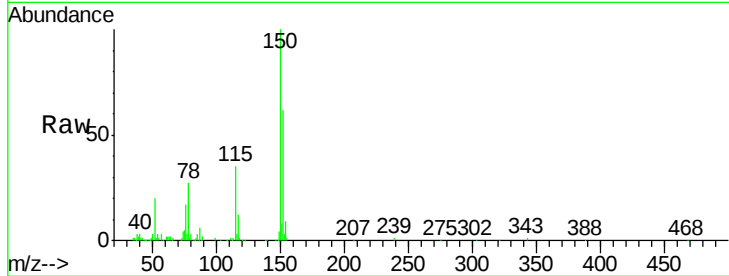




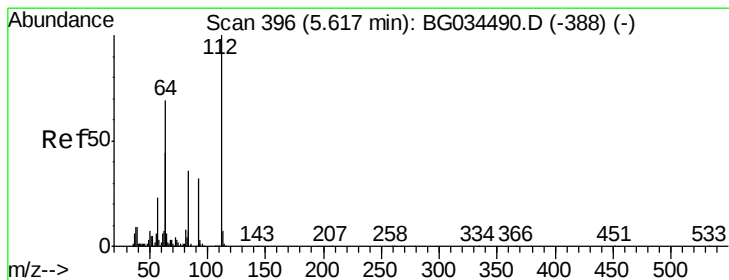
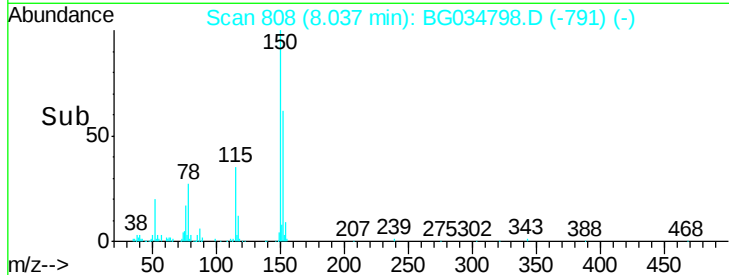
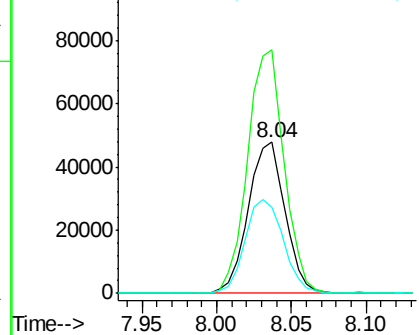
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. 0.00 min
Lab File: BG034798.D
Acq: 30 May 2018 5:13

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	126.6	189.8
115	56.9	53.0	79.4



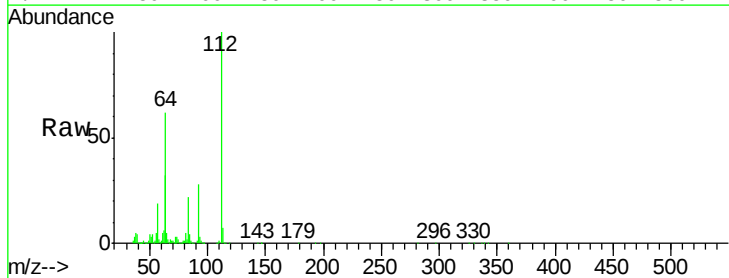
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



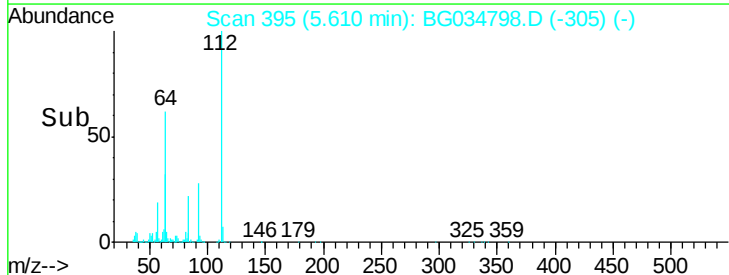
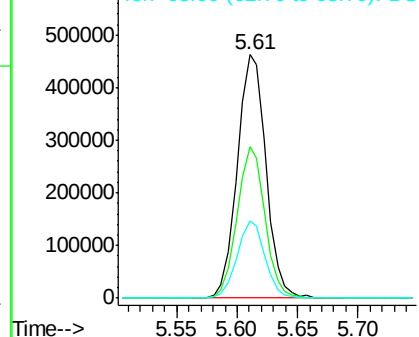
#5

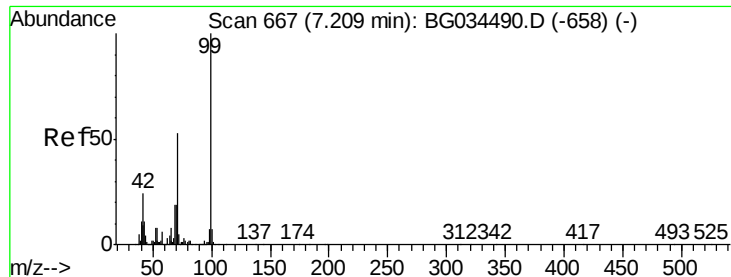
2-Fluorophenol
Concen: 145.653 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: BG034798.D
Acq: 30 May 2018 5:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	56.3	84.5
63	31.8	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: 116.413 ng

RT: 7.20 min Scan# 666

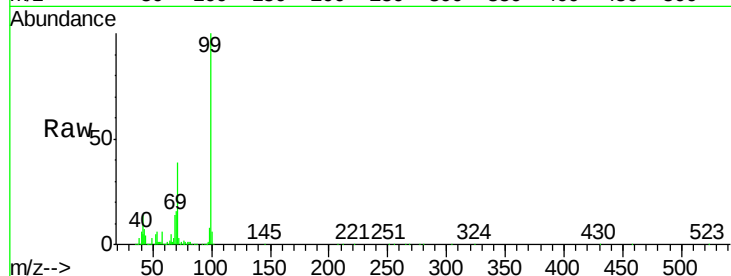
Delta R.T. -0.00 min

Lab File: BG034798.D

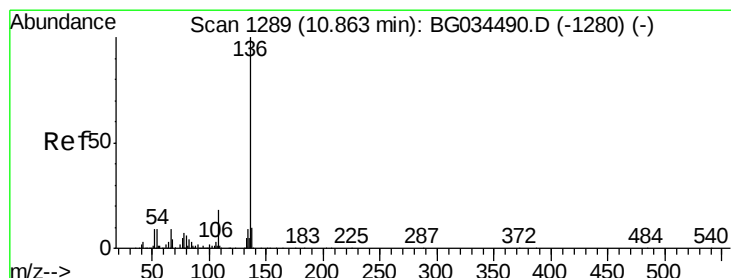
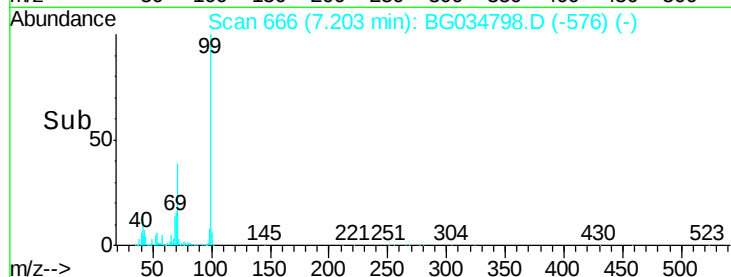
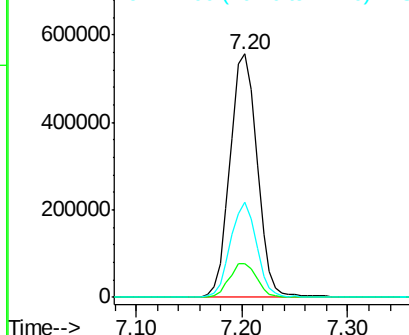
Acq: 30 May 2018 5:13

Tot Ion: 99 Resp: 991987

Ion	Ratio	Lower	Upper
99	100		
42	13.8	14.1	21.1#
71	39.2	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: 10.85 min Scan# 1286

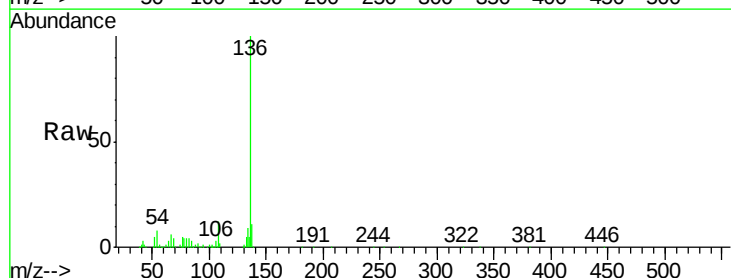
Delta R.T. -0.01 min

Lab File: BG034798.D

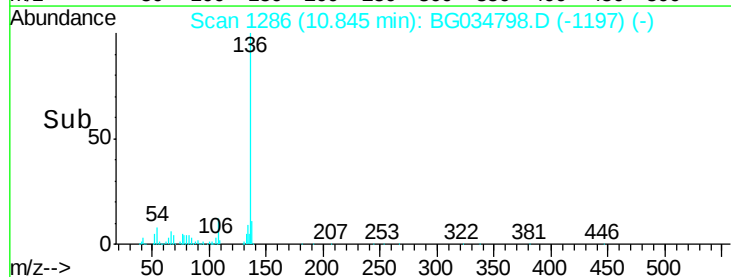
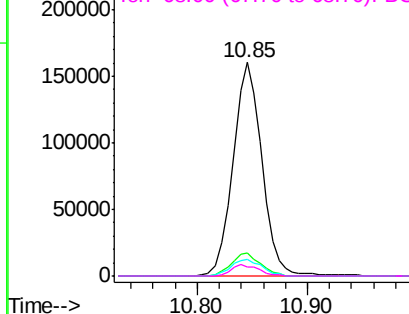
Acq: 30 May 2018 5:13

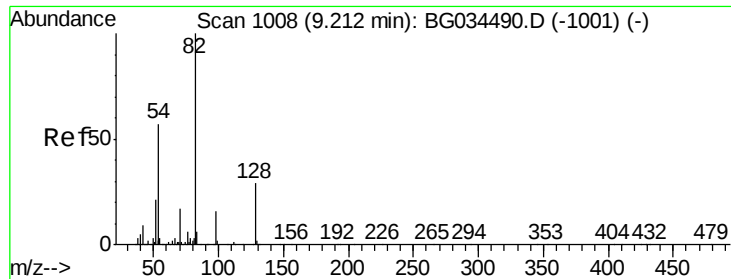
Tgt Ion: 136 Resp: 293629

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.6	10.3	15.5#
68	4.3	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: 94.738 ng

RT: 9.20 min Scan# 1006

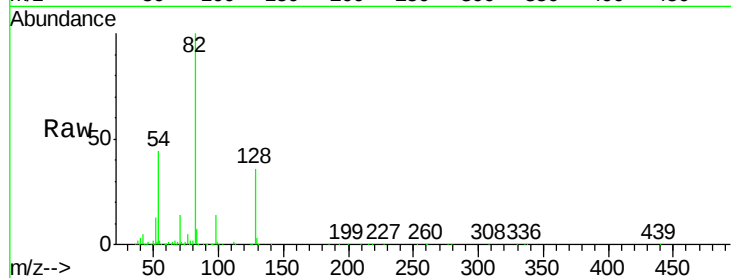
Delta R.T. -0.00 min

Lab File: BG034798.D

Acq: 30 May 2018 5:13

Tot Ion: 82 Resp: 728210

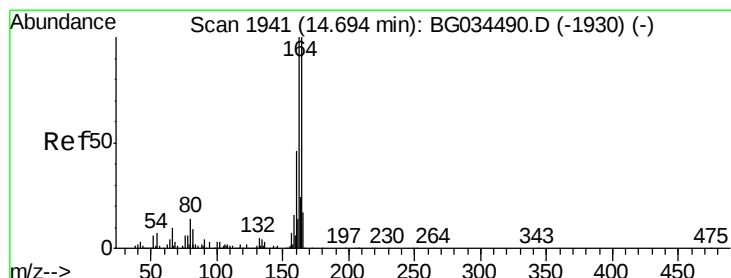
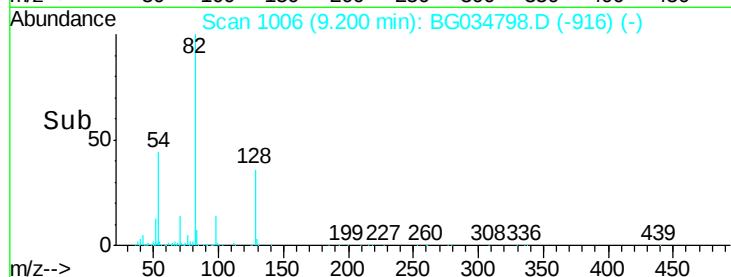
Ion	Ratio	Lower	Upper
82	100		
128	36.4	29.7	44.5
54	43.6	43.1	64.7



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

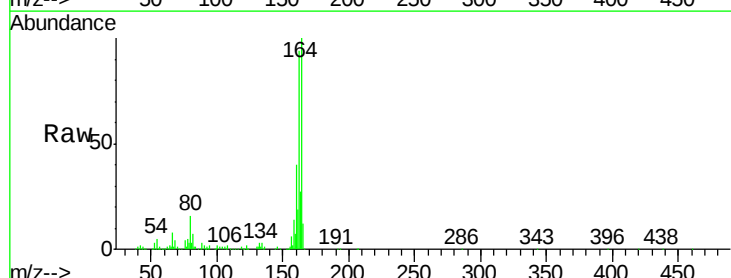
Delta R.T. -0.00 min

Lab File: BG034798.D

Acq: 30 May 2018 5:13

Tgt Ion: 164 Resp: 203076

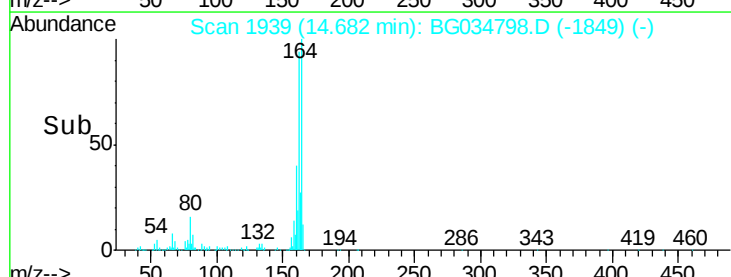
Ion	Ratio	Lower	Upper
164	100		
162	93.9	78.8	118.2
160	40.4	35.4	53.0

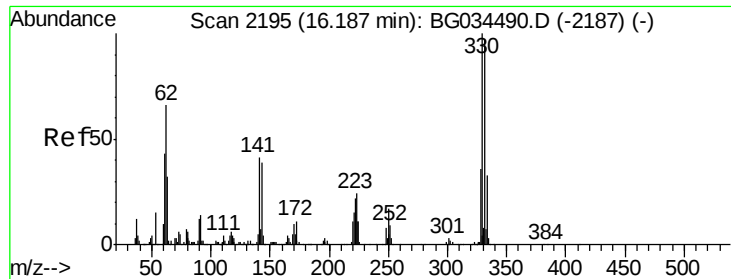


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

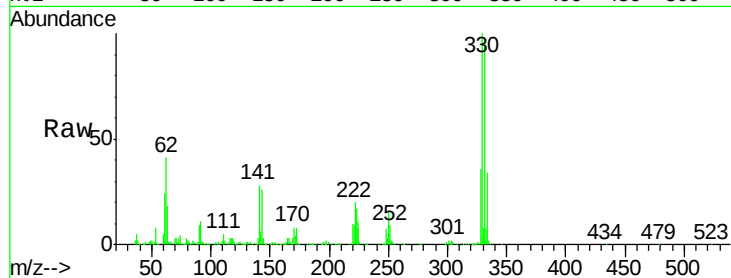
Ion 160.00 (159.70 to 160.70): BGC



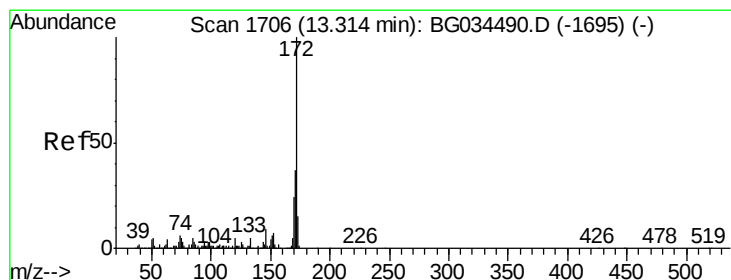
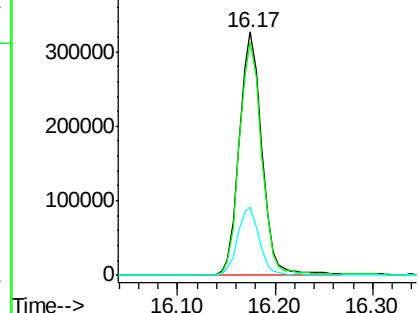
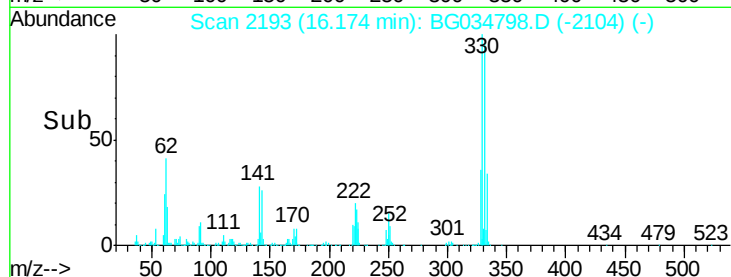


#41
 2,4,6-Tribromophenol
 Concen: 150.302 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG034798.D
 Acq: 30 May 2018 5:13

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	26.9	25.2	37.8

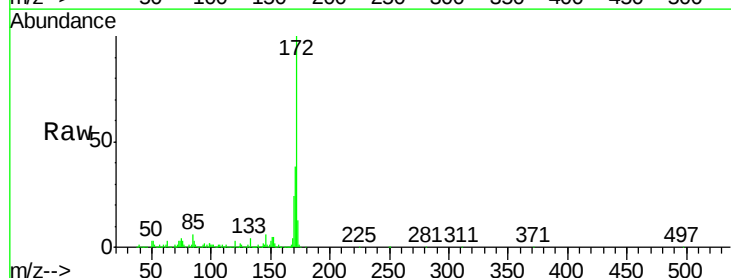


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

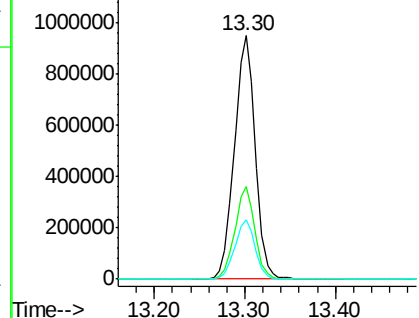
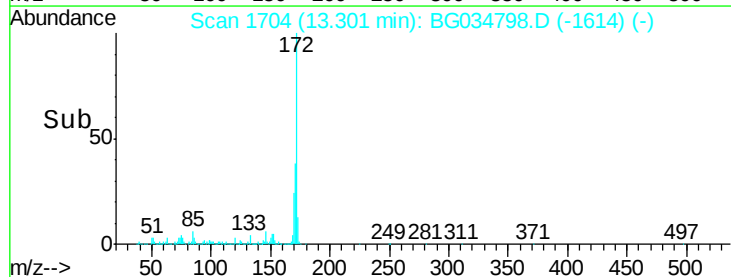


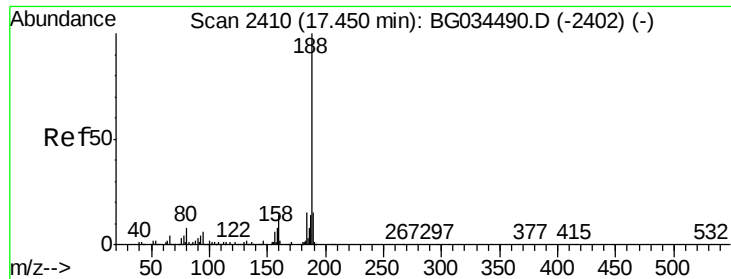
#44
 2-Fluorobiphenyl
 Concen: 101.523 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG034798.D
 Acq: 30 May 2018 5:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.0	45.0
170	24.4	19.5	29.3



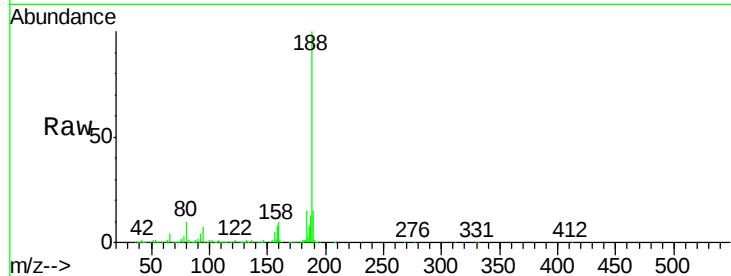
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BG034798.D
Acq: 30 May 2018 5:13

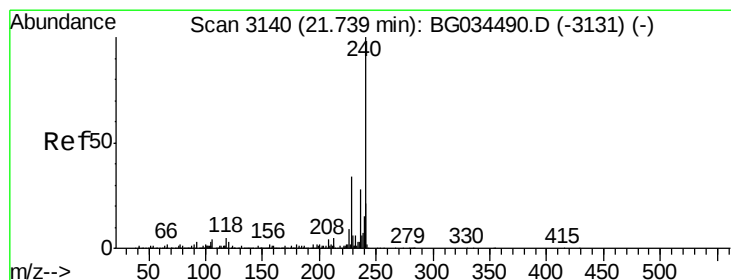
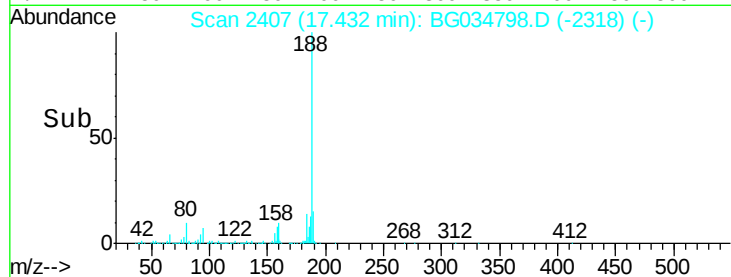
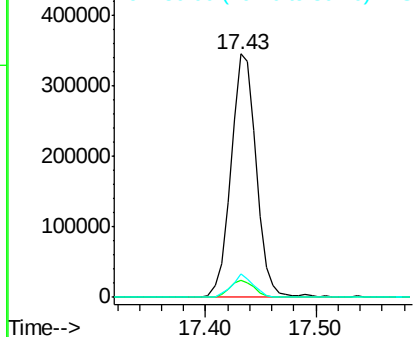
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.9	10.3
80	9.6	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): E

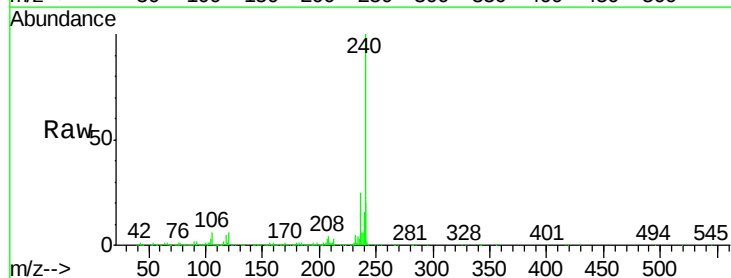
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG034798.D
Acq: 30 May 2018 5:13

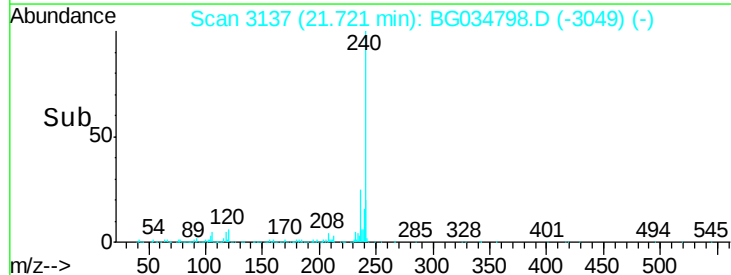
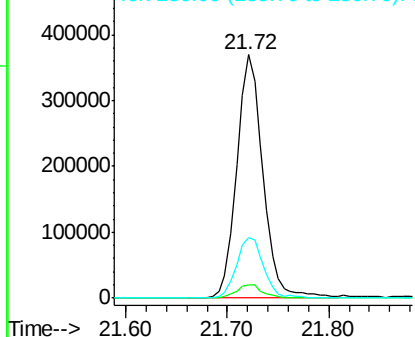
Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	6.8	10.2#
236	25.0	20.9	31.3

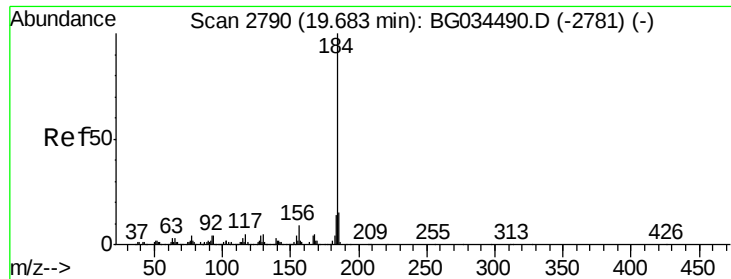


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 4.036 ng

RT: 19.70 min Scan# 2793

Delta R.T. 0.02 min

Lab File: BG034798.D

Acq: 30 May 2018 5:13

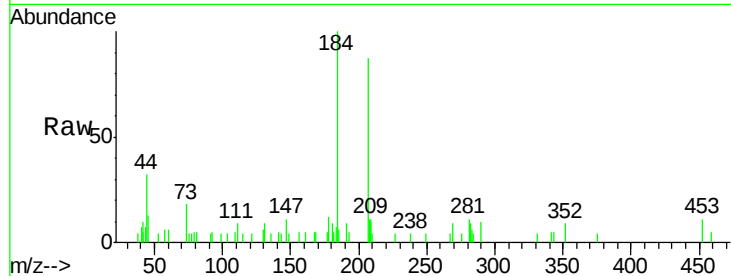
Tot Ion:184 Resp: 12001

Ion Ratio Lower Upper

184 100

185 5.8 11.1 16.7#

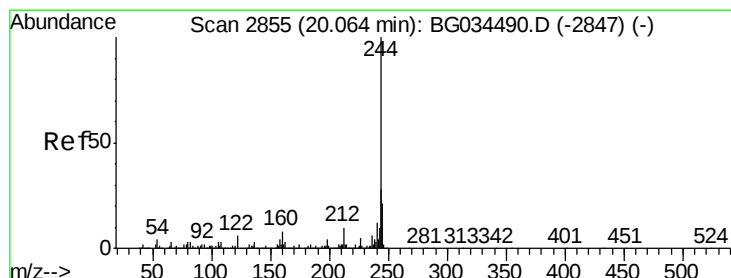
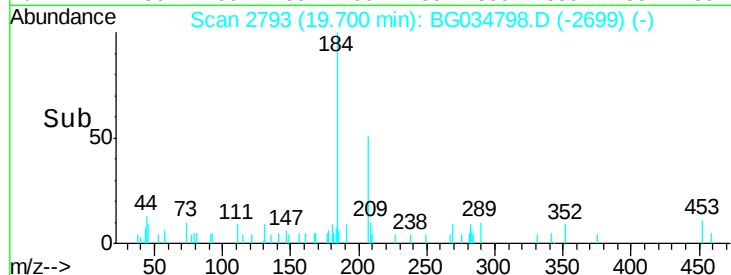
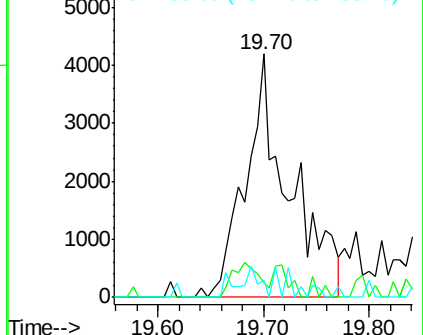
183 7.1 10.6 16.0#



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: 99.369 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG034798.D

Acq: 30 May 2018 5:13

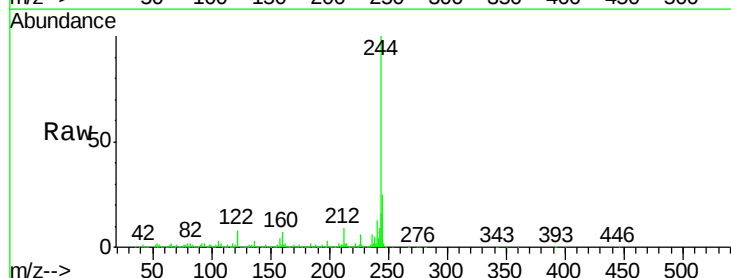
Tgt Ion:244 Resp: 3005274

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

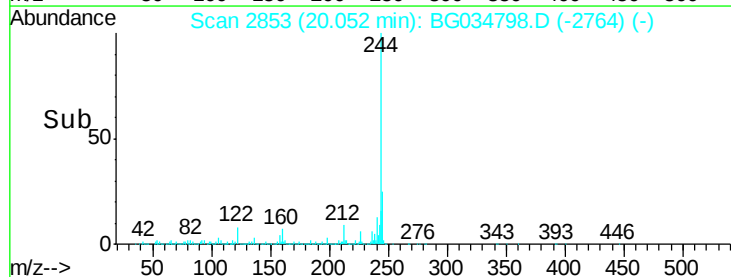
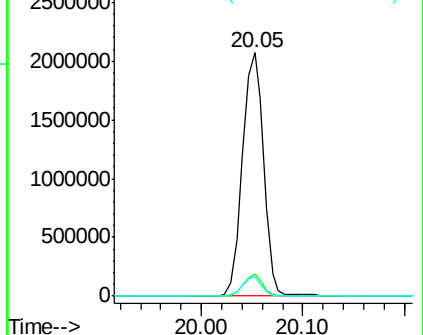
122 8.0 7.0 10.4

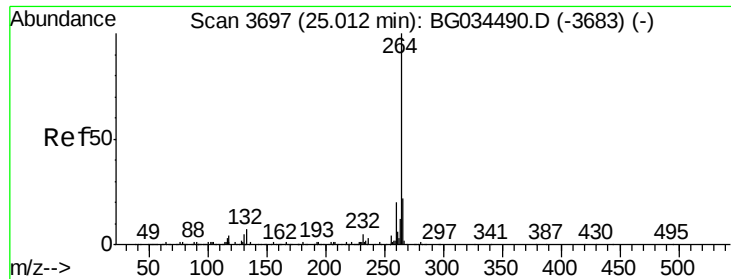


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

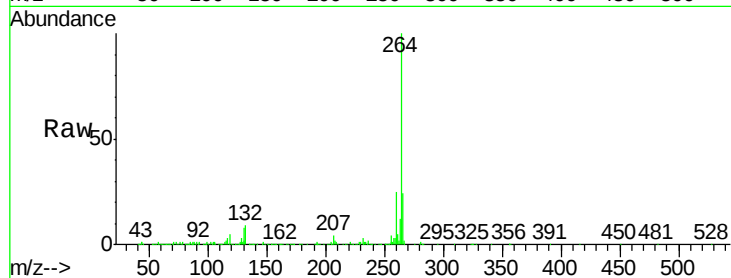
Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3692
Delta R.T. -0.02 min
Lab File: BG034798.D
Acq: 30 May 2018 5:13

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.4	26.0
265	24.0	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

