

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072916\
 Data File : BG023329.D
 Acq On : 29 Jul 2016 7:04
 Operator : UM/SJ
 Sample : H4213-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

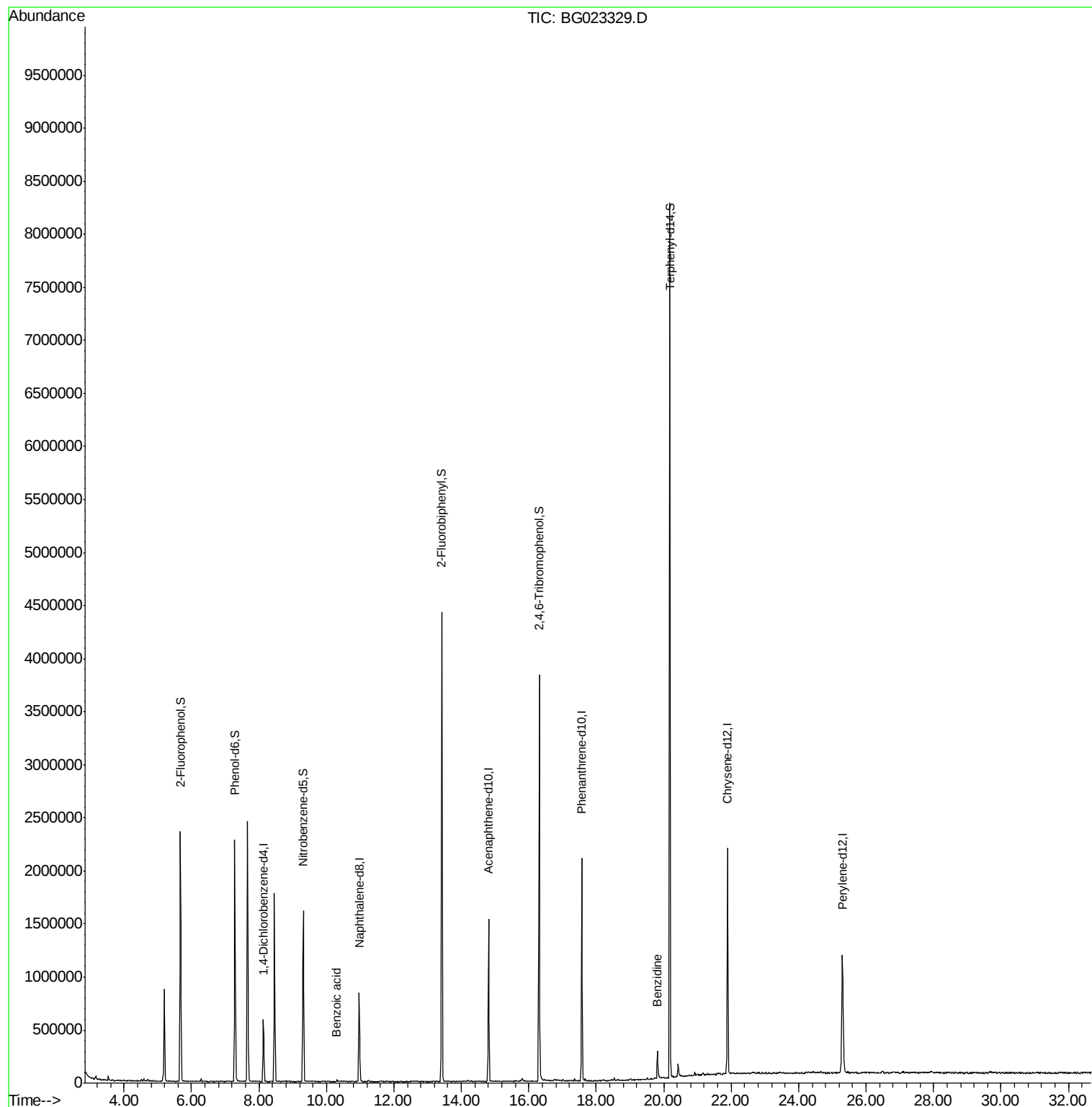
Quant Time: Jul 29 07:54:37 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:30:33 2016
 Response via : Initial Calibration

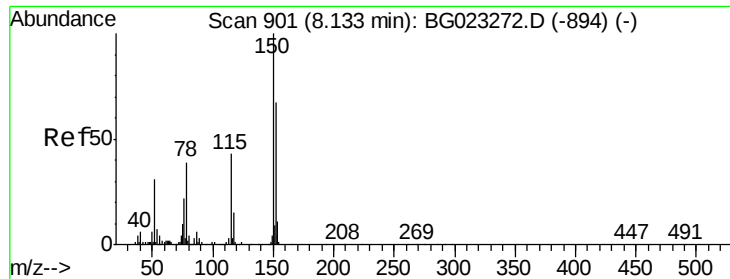
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	159967	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	741604	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	519229	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	1220407	20.00	ng	0.00
75) Chrysene-d12	21.89	240	1255619	20.00	ng	0.00
86) Perylene-d12	25.30	264	1257274	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	1009537	107.74	ng	0.00
7) Phenol-d6	7.28	99	1443506	100.34	ng	0.00
23) Nitrobenzene-d5	9.31	82	1025594	67.63	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	716054	133.24	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2206571	79.54	ng	0.00
78) Terphenyl-d14	20.18	244	2929245	75.84	ng	0.00
Target Compounds						
32) Benzoic acid	10.29	122	81	8.12	ng	Qvalue # 17
76) Benzidine	19.81	184	186566	5.28	ng	97

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

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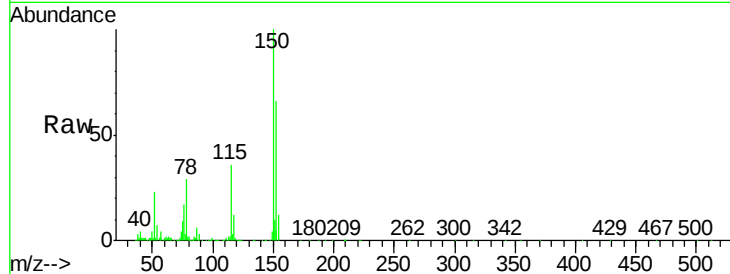




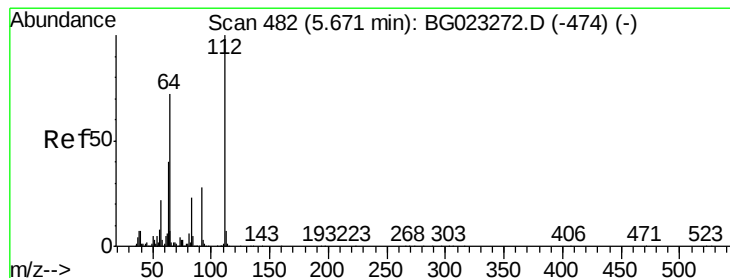
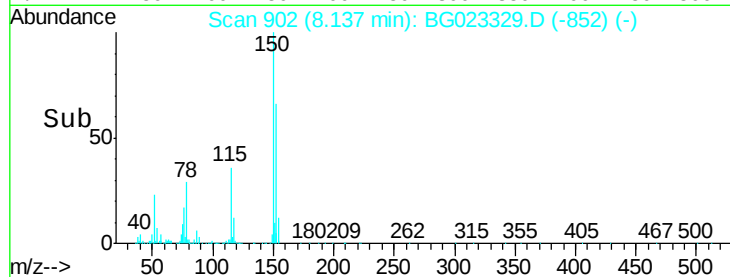
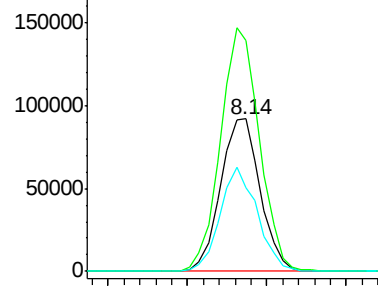
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 902
Delta R.T. -0.00 min
Lab File: BG023329.D
Acq: 29 Jul 2016 7:04

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.3	144.7	217.1
115	54.9	64.0	96.0



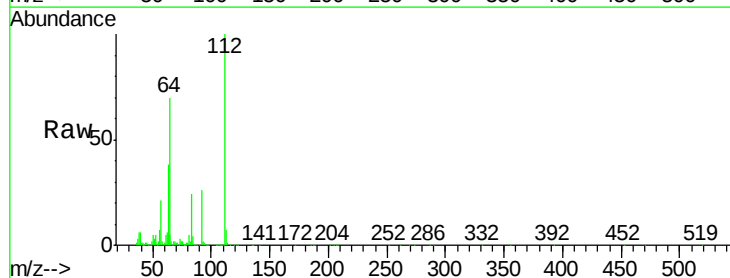
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



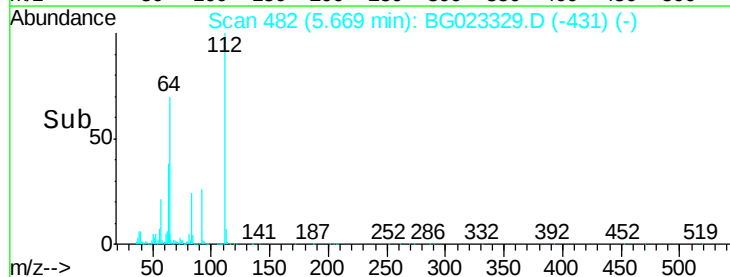
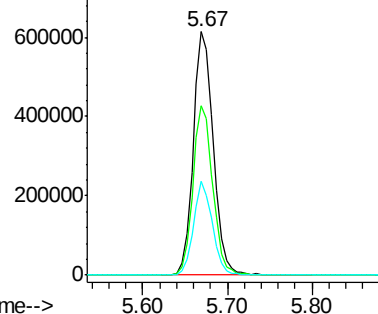
#5

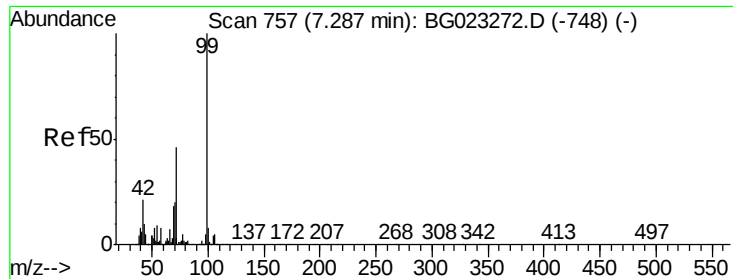
2-Fluorophenol
Concen: 107.74 ng
RT: 5.67 min Scan# 482
Delta R.T. -0.00 min
Lab File: BG023329.D
Acq: 29 Jul 2016 7:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	59.0	88.4
63	38.3	37.8	56.8



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: 100.34 ng

RT: 7.28 min Scan# 757

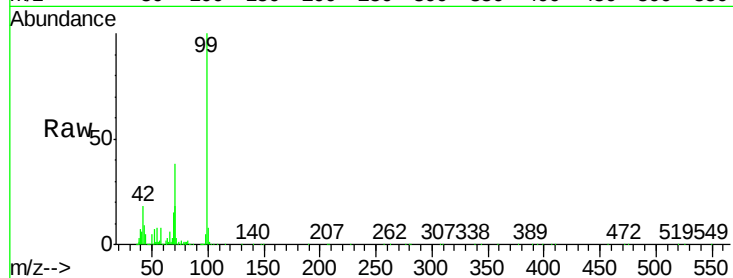
Delta R.T. -0.00 min

Lab File: BG023329.D

Acq: 29 Jul 2016 7:04

Tgt Ion: 99 Resp: 1443506

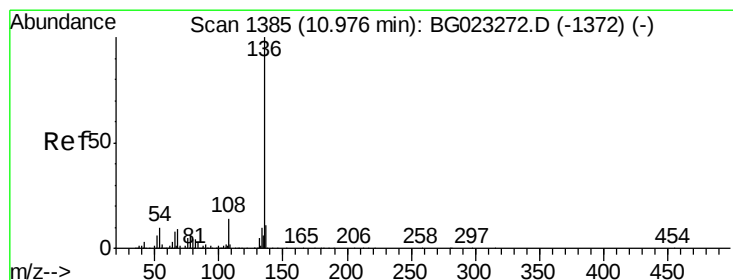
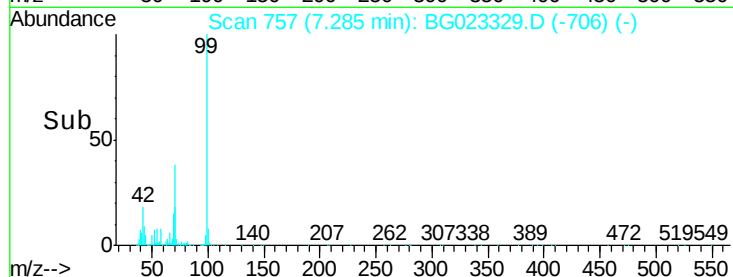
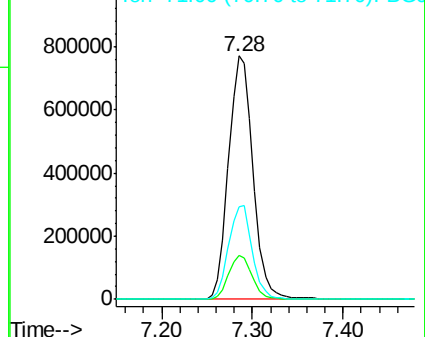
Ion	Ratio	Lower	Upper
99	100		
42	18.1	17.8	26.6
71	38.1	41.5	62.3



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: 20.00 ng

RT: 10.97 min Scan# 1385

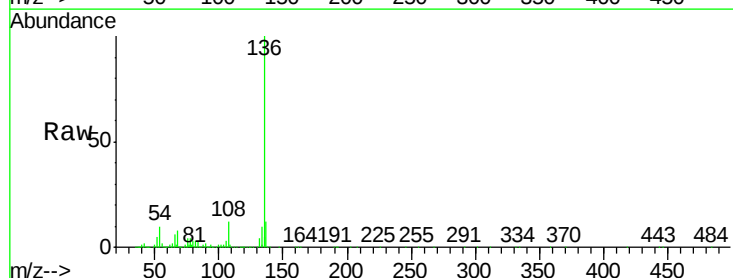
Delta R.T. -0.00 min

Lab File: BG023329.D

Acq: 29 Jul 2016 7:04

Tgt Ion: 136 Resp: 741604

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.6	14.4
54	9.7	7.3	10.9
68	7.6	5.3	7.9

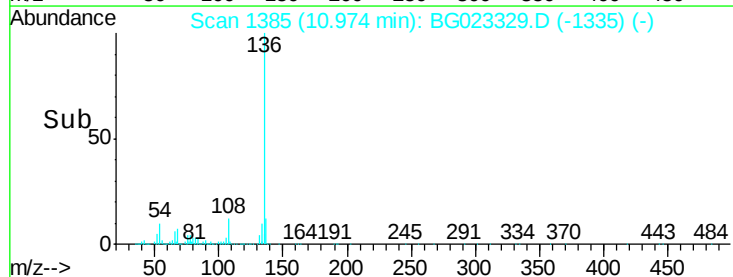
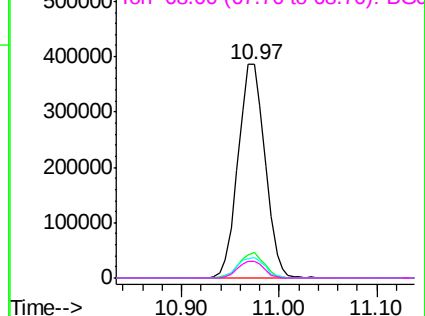


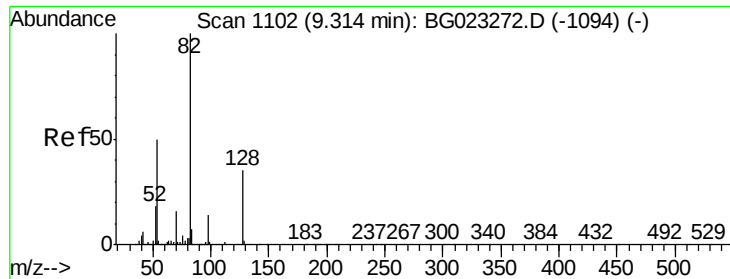
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

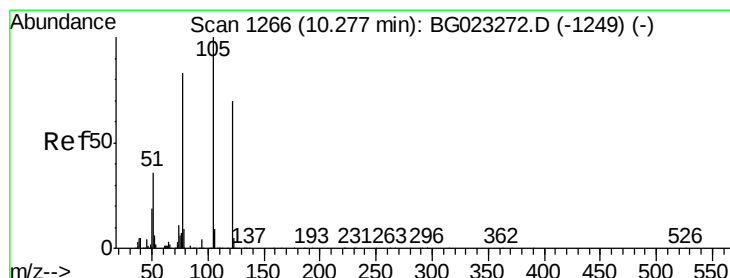
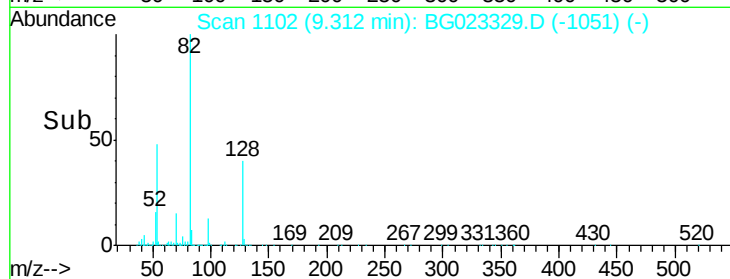
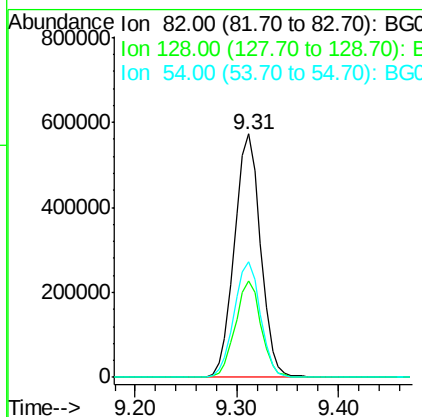
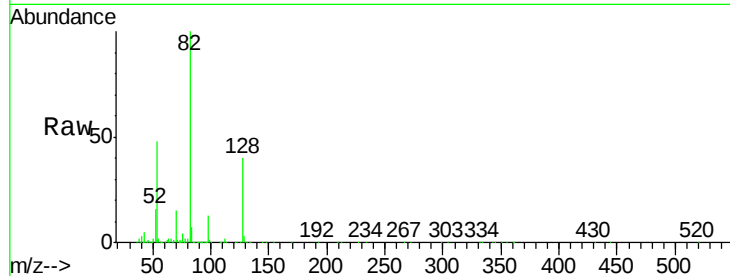
Ion 68.00 (67.70 to 68.70): BGC





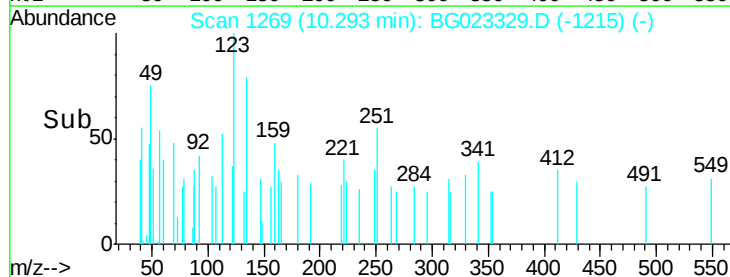
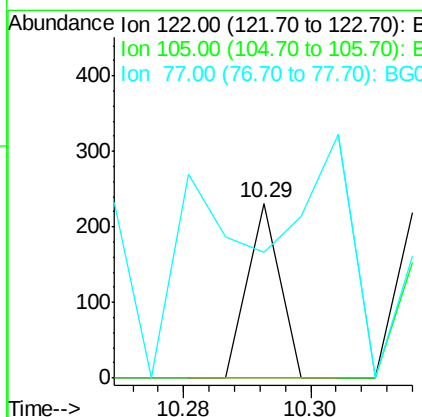
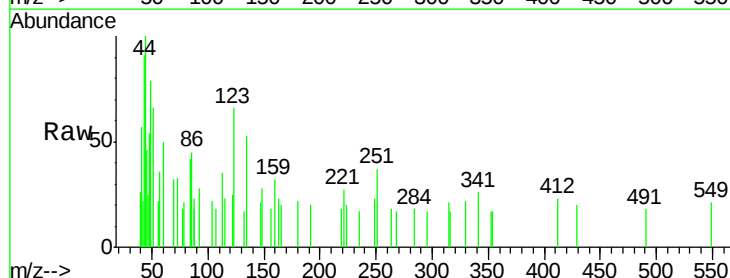
#23
Nitrobenzene-d5
Concen: 67.63 ng
RT: 9.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BG023329.D
Acq: 29 Jul 2016 7:04

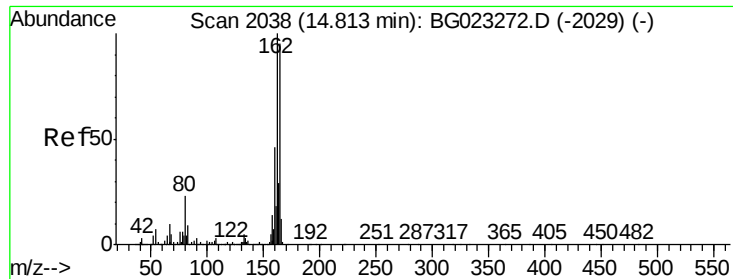
Tgt Ion: 82 Resp: 1025594
Ion Ratio Lower Upper
82 100
128 39.6 24.4 36.6#
54 47.7 41.4 62.0



#32
Benzoic acid
Concen: 8.12 ng
RT: 10.29 min Scan# 1269
Delta R.T. 0.02 min
Lab File: BG023329.D
Acq: 29 Jul 2016 7:04

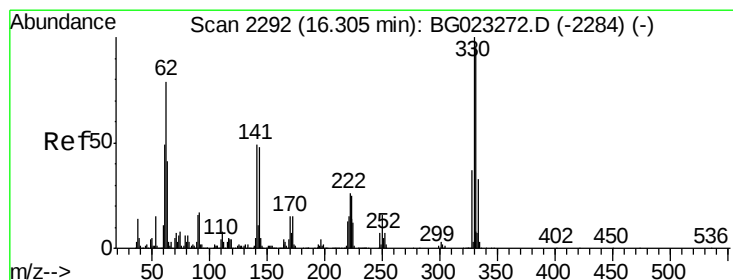
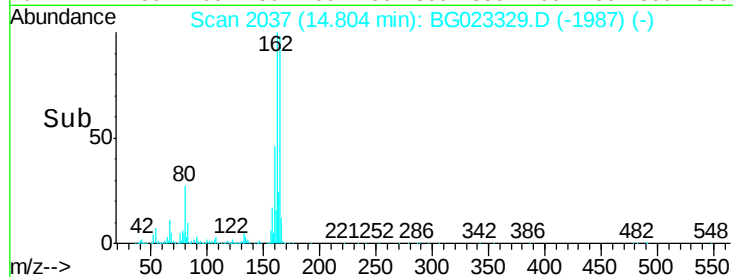
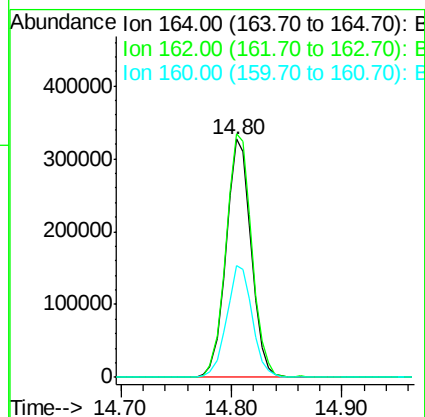
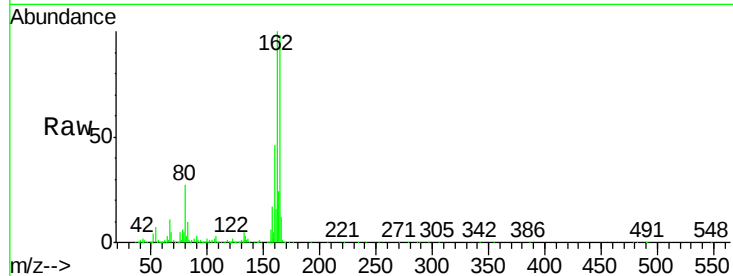
Tgt Ion: 122 Resp: 81
Ion Ratio Lower Upper
122 100
105 0.0 117.2 157.2#
77 72.3 109.2 149.2#





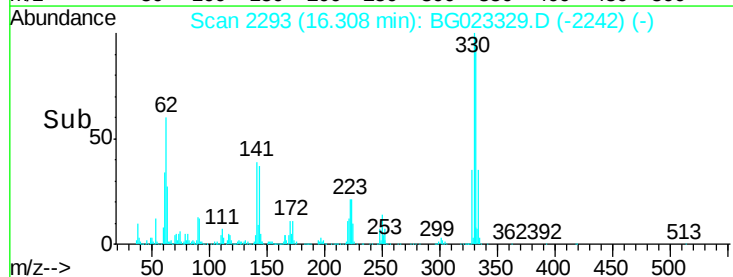
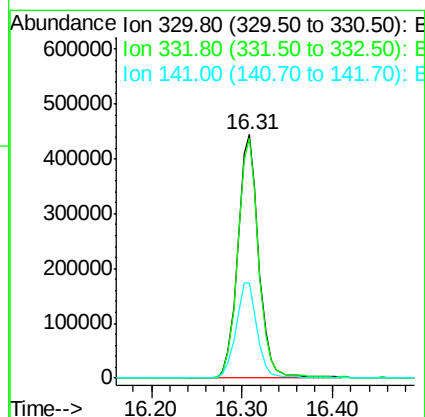
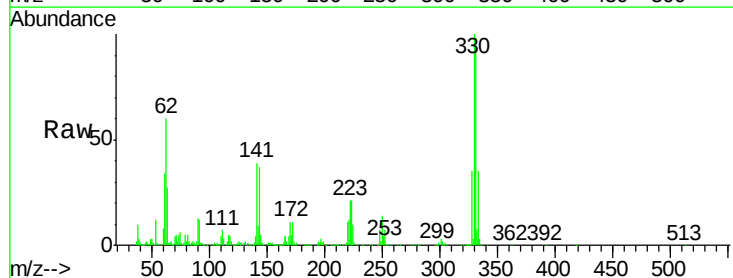
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BG023329.D
Acq: 29 Jul 2016 7:04

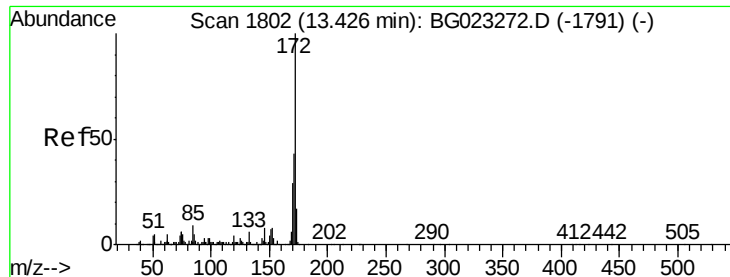
Tgt Ion:164 Resp: 519229
Ion Ratio Lower Upper
164 100
162 102.3 87.7 131.5
160 47.2 37.2 55.8



#41
2,4,6-Tribromophenol
Concen: 133.24 ng
RT: 16.31 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BG023329.D
Acq: 29 Jul 2016 7:04

Tgt Ion:330 Resp: 716054
Ion Ratio Lower Upper
330 100
332 97.6 77.4 116.2
141 39.5 31.7 47.5

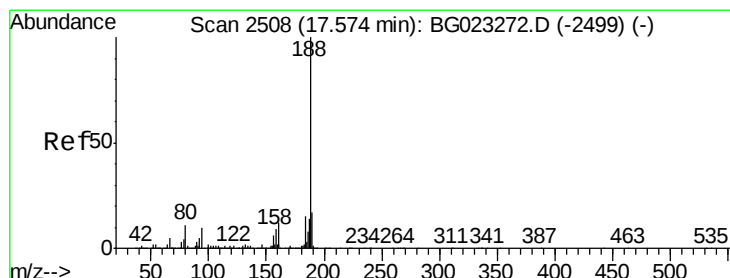
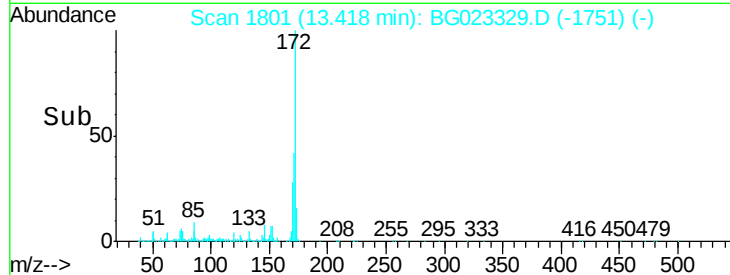
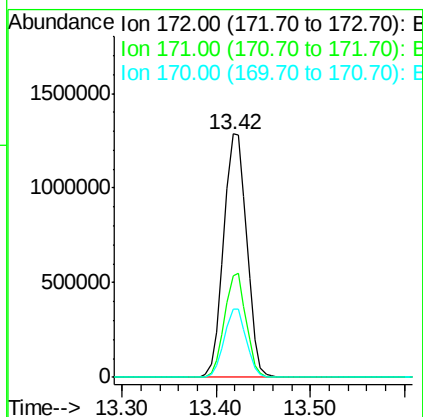
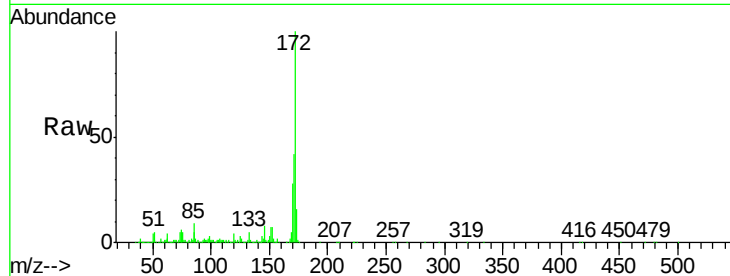




#44
 2-Fluorobiphenyl
 Concen: 79.54 ng
 RT: 13.42 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: BG023329.D
 Acq: 29 Jul 2016 7:04

Tgt Ion:172 Resp: 2206571

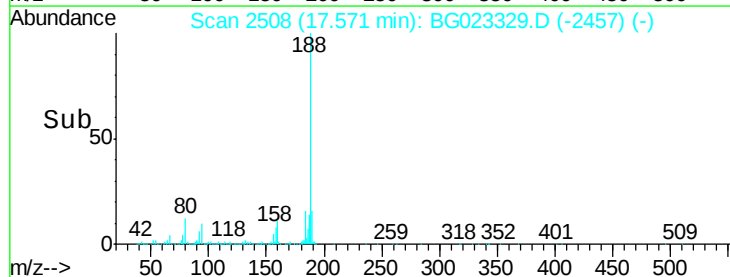
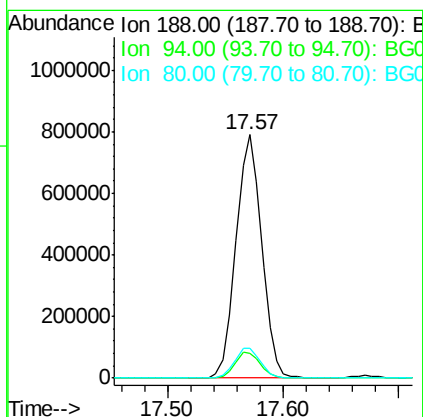
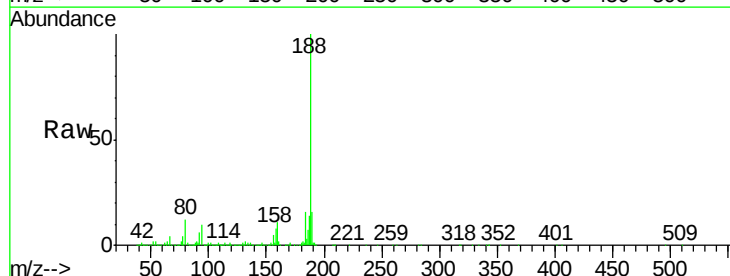
Ion	Ratio	Lower	Upper
172	100		
171	41.6	31.6	47.4
170	28.1	21.3	31.9

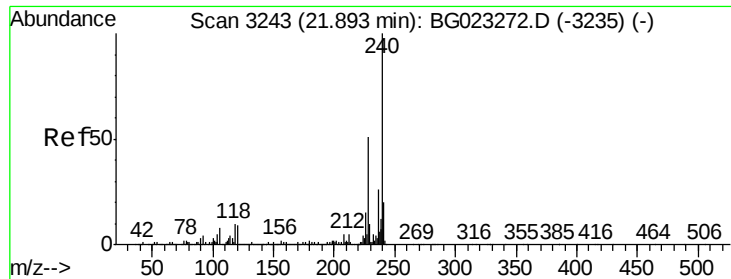


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.57 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: BG023329.D
 Acq: 29 Jul 2016 7:04

Tgt Ion:188 Resp: 1220407

Ion	Ratio	Lower	Upper
188	100		
94	10.3	5.2	7.8#
80	12.1	7.2	10.8#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.89 min Scan# 3243

Delta R.T. -0.00 min

Lab File: BG023329.D

Acq: 29 Jul 2016 7:04

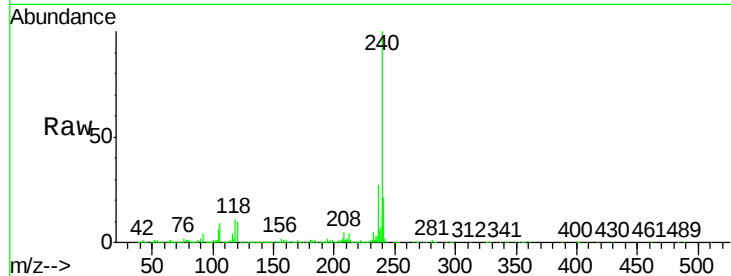
Tgt Ion:240 Resp: 1255619

Ion Ratio Lower Upper

240 100

120 10.3 4.1 6.1#

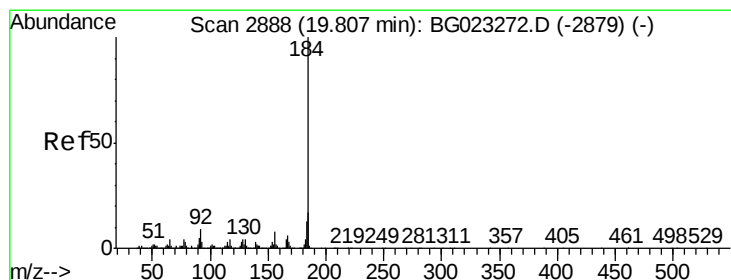
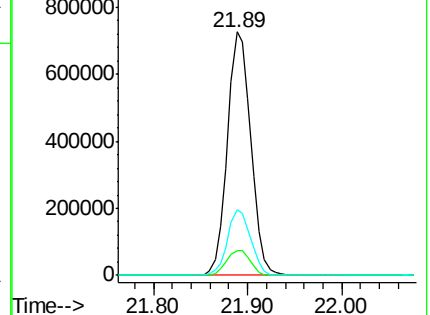
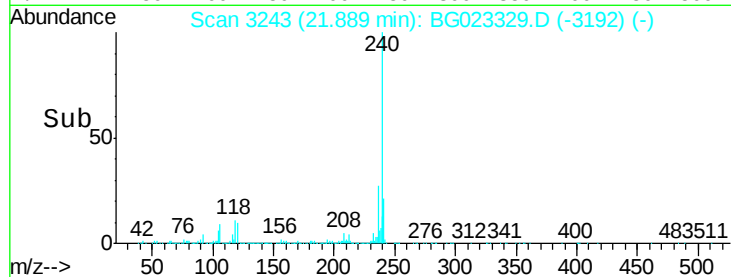
236 27.2 21.1 31.7



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: 5.28 ng

RT: 19.81 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG023329.D

Acq: 29 Jul 2016 7:04

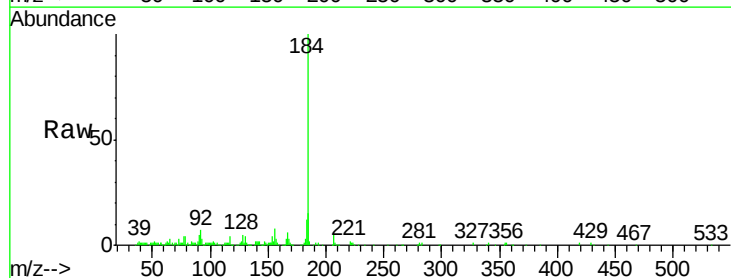
Tgt Ion:184 Resp: 186566

Ion Ratio Lower Upper

184 100

185 15.3 12.6 19.0

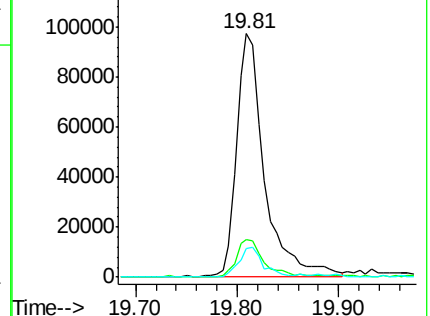
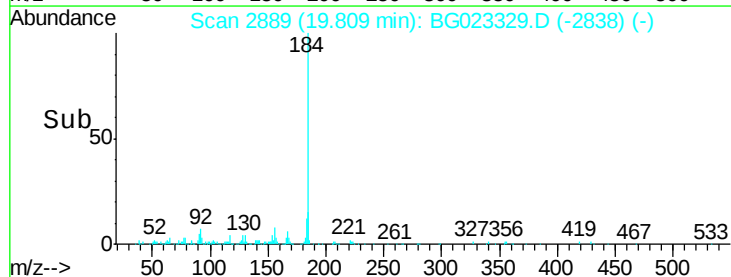
183 11.7 10.7 16.1

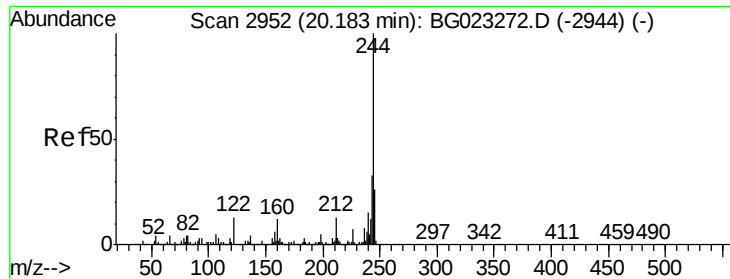


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

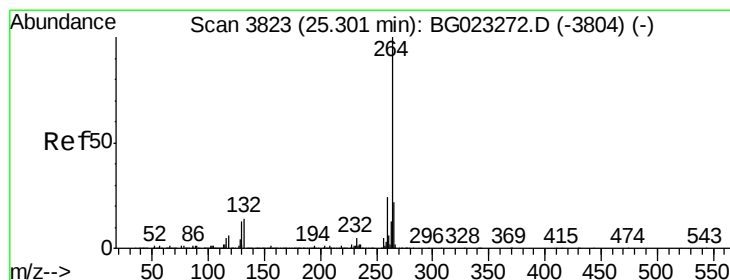
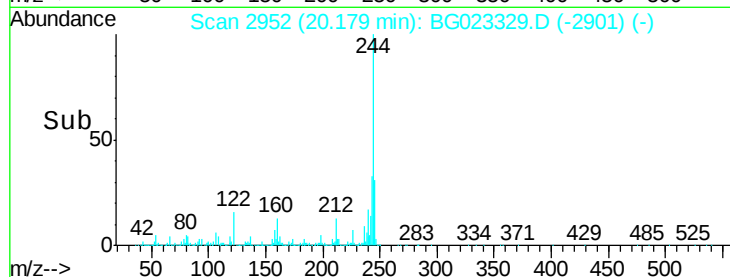
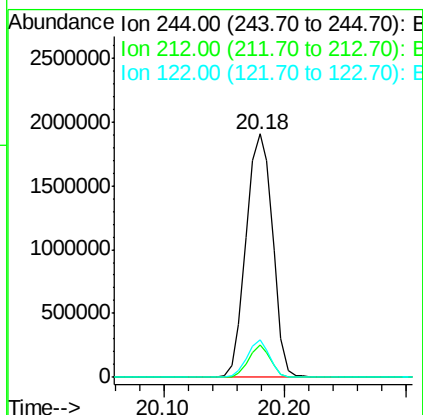
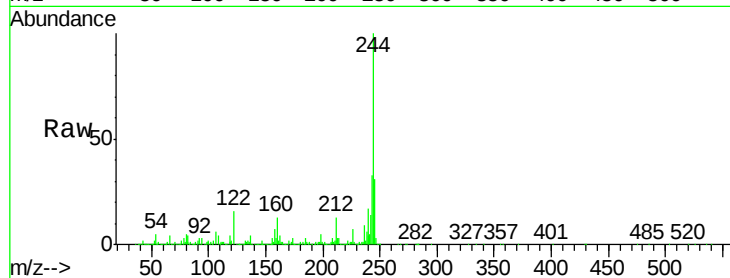
Ion 183.00 (182.70 to 183.70): E





#78
 Terphenyl-d14
 Concen: 75.84 ng
 RT: 20.18 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: BG023329.D
 Acq: 29 Jul 2016 7:04

Tgt Ion:244 Resp: 2929245
 Ion Ratio Lower Upper
 244 100
 212 13.4 10.8 16.2
 122 15.7 8.0 12.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.30 min Scan# 3823
 Delta R.T. -0.01 min
 Lab File: BG023329.D
 Acq: 29 Jul 2016 7:04

Tgt Ion:264 Resp: 1257274
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.4 27.6
 265 23.4 18.9 28.3

