

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085290.D
 Acq On : 9 Mar 2016 7:26
 Operator : UM/SJ
 Sample : H1712-08
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-31-COMP-0.5-3.0

Quant Time: Mar 09 08:02:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	161758	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	560560	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	262286	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	437902	20.00	ng	-0.02
75) Chrysene-d12	14.13	240	292990	20.00	ng	-0.02
86) Perylene-d12	15.59	264	290928	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1450194	150.38	ng	0.00
7) Phenol-d6	6.58	99	1835381	145.27	ng	-0.02
23) Nitrobenzene-d5	7.52	82	1021672	97.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	309717	138.00	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1525444	88.45	ng	-0.02
78) Terphenyl-d14	13.08	244	965938	76.53	ng	-0.01

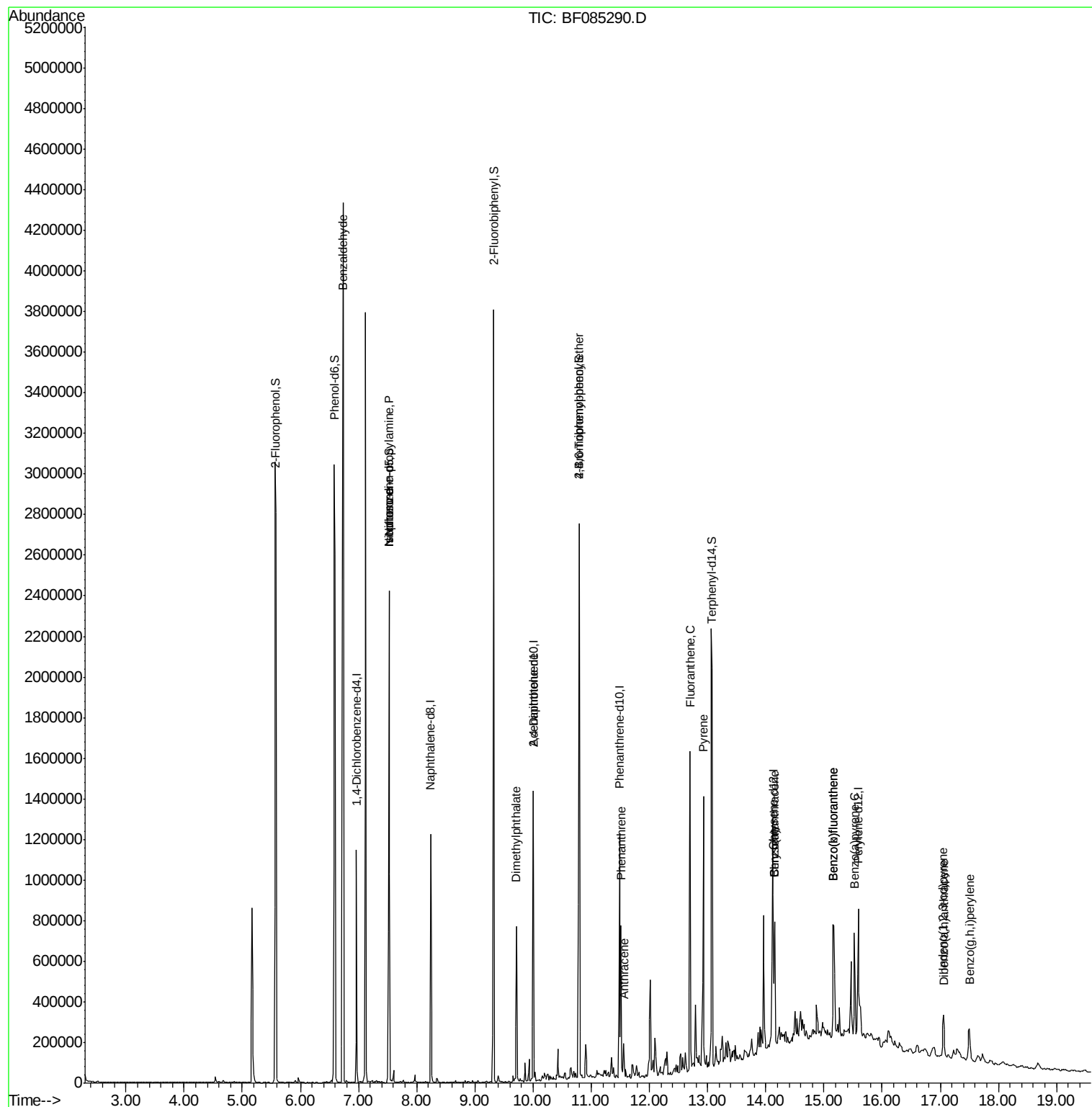
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	32746	2.63	ng	87
19) n-Nitroso-di-n-propylamine	7.52	70	134847	16.38	ng	# 78
25) Isophorone	7.52	82	833318	42.93	ng	# 67
49) Dimethylphthalate	9.72	163	332614	16.52	ng	99
56) 2,4-Dinitrotoluene	10.00	165	33801	6.13	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	23688	5.57	ng	# 1
70) Phenanthrene	11.51	178	272329	11.87	ng	97
71) Anthracene	11.56	178	65456	2.69	ng	98
74) Fluoranthene	12.70	202	590558	25.64	ng	99
77) Pyrene	12.93	202	530325	24.05	ng	98
80) Benzo(a)anthracene	14.15	228	246717	14.07	ng	96
82) Chrysene	14.15	228	246717	15.23	ng	98
85) Indeno(1,2,3-cd)pyrene	17.05	276	143933	11.38	ng	# 93
87) Benzo(b)fluoranthene	15.17	252	468516	24.16	ng	98
88) Benzo(k)fluoranthene	15.17	252	468516	29.95	ng	97
89) Benzo(a)pyrene	15.52	252	243048	15.13	ng	# 91
90) Dibenzo(a,h)anthracene	17.07	278	31503	2.30	ng	94
91) Benzo(g,h,i)perylene	17.50	276	127843	9.27	ng	95

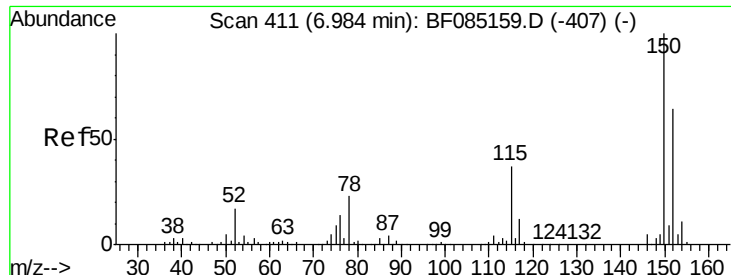
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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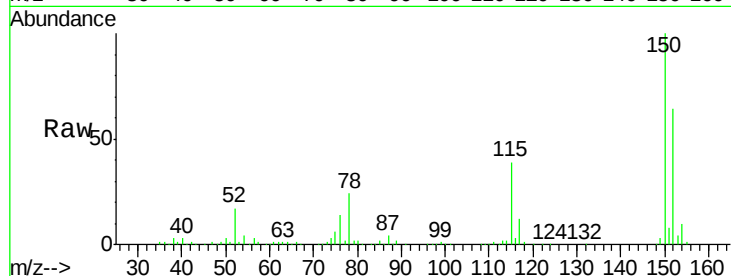




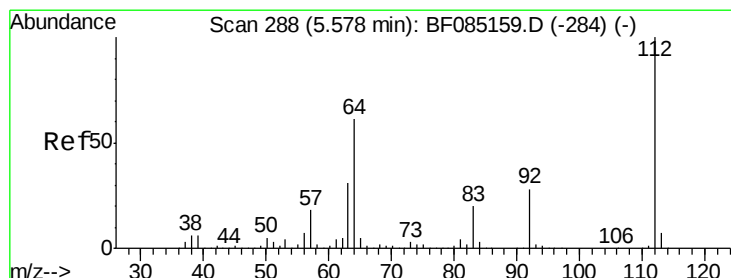
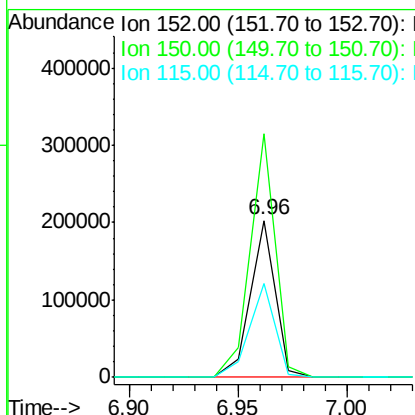
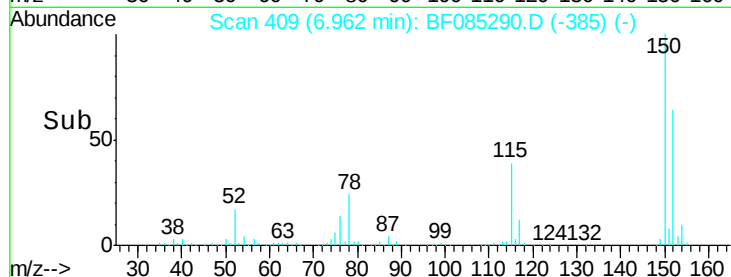
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 409
 Delta R.T. -0.02 min
 Lab File: BF085290.D
 Acq: 9 Mar 2016 7:26

Instrument :
 BNA_G
 ClientSampleId :
 SB-31-COMP-0.5-3.0

Tgt Ion:152 Resp: 161758
 Ion Ratio Lower Upper
 152 100
 150 155.3 124.6 186.8
 115 60.1 46.6 70.0

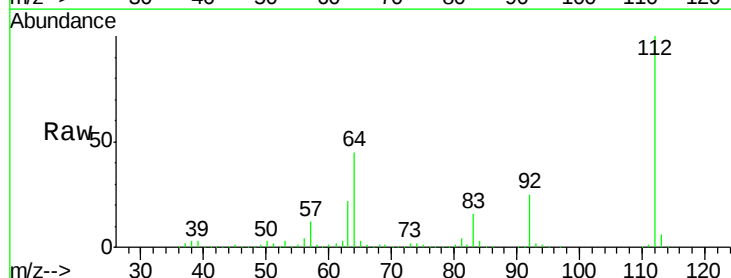


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

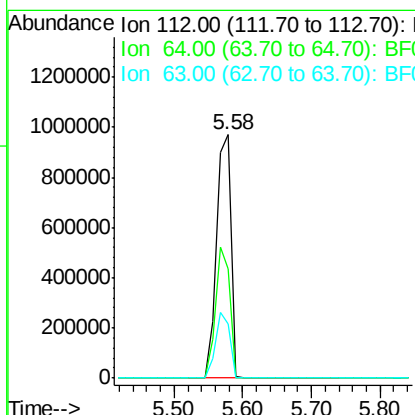
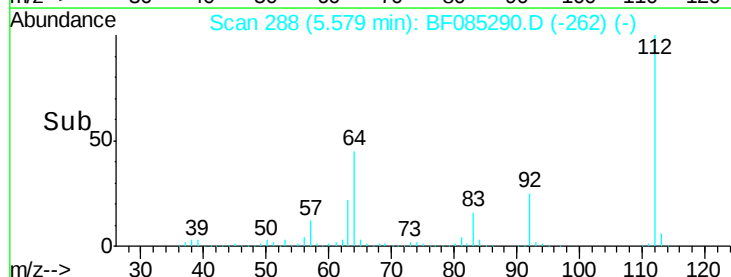


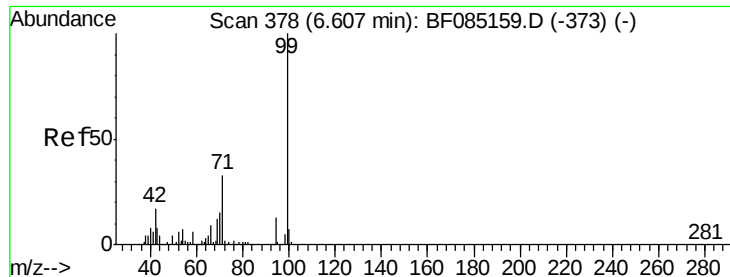
#5
 2-Fluorophenol
 Concen: 150.38 ng
 RT: 5.58 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: BF085290.D
 Acq: 9 Mar 2016 7:26

Tgt Ion:112 Resp: 1450194
 Ion Ratio Lower Upper
 112 100
 64 44.8 49.0 73.4#
 63 22.5 24.8 37.2#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.27 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Instrument :

BNA_G

ClientSampleId :

SB-31-COMP-0.5-3.0

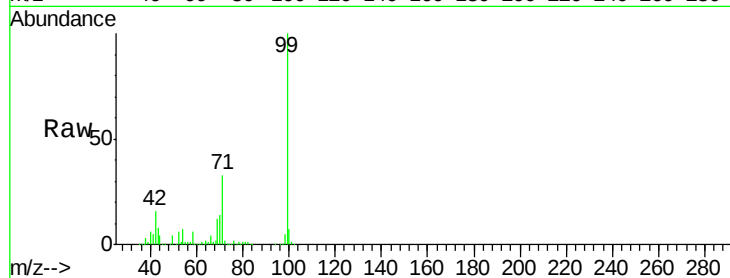
Tgt Ion: 99 Resp: 1835381

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

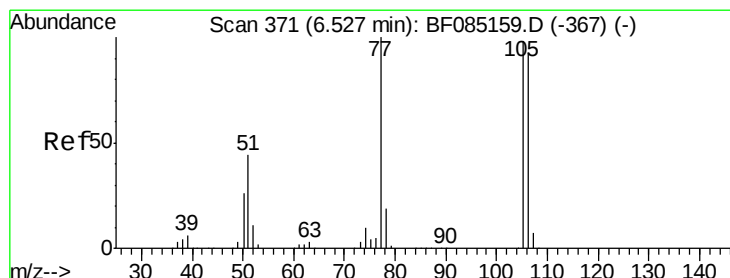
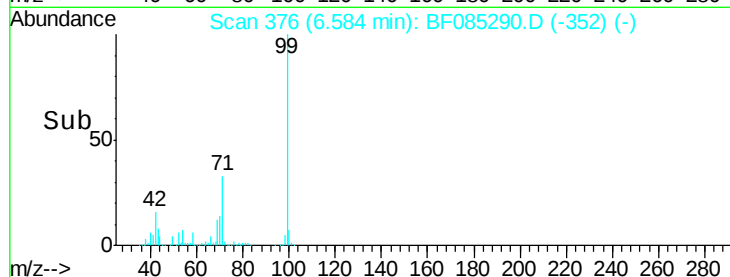
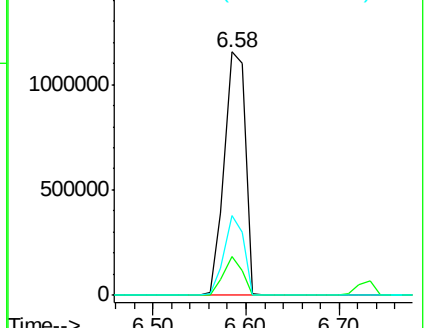
71 33.0 26.7 40.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.63 ng

RT: 6.73 min Scan# 389

Delta R.T. 0.21 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

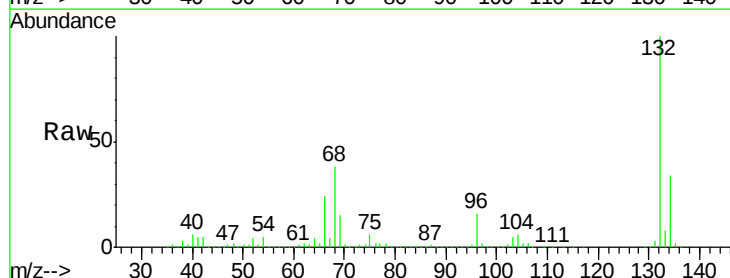
Tgt Ion: 77 Resp: 32746

Ion Ratio Lower Upper

77 100

105 86.1 78.2 118.2

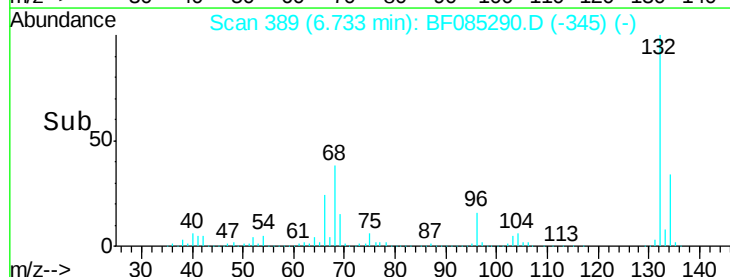
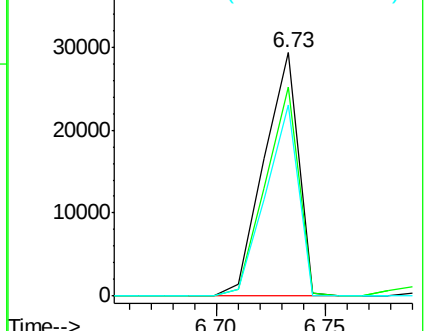
106 78.7 72.9 112.9

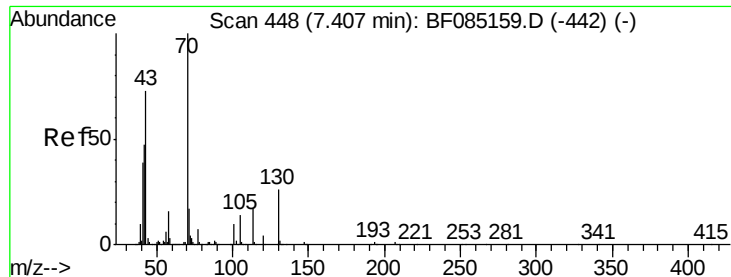


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

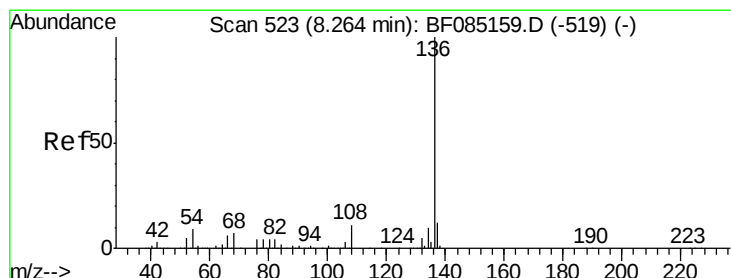
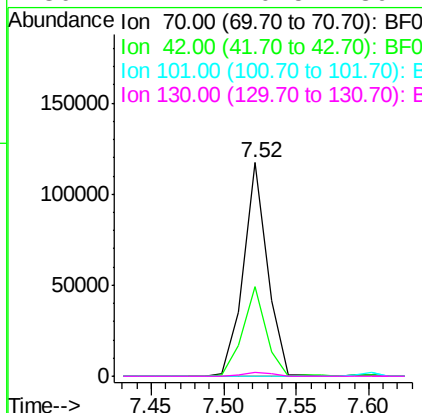
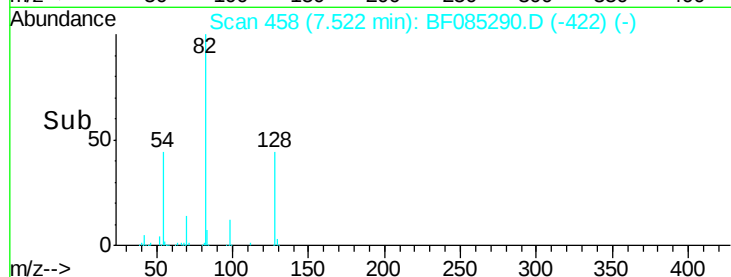
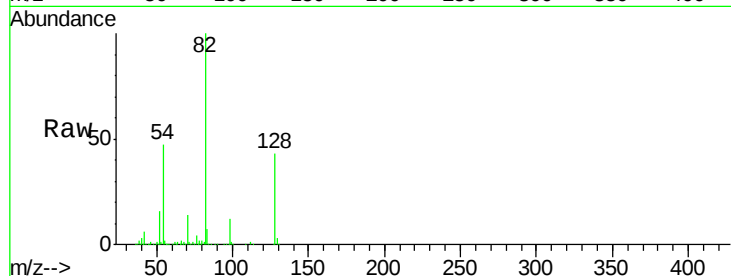




#19
n-Nitroso-di-n-propylamine
Concen: 16.38 ng
RT: 7.52 min Scan# 458
Delta R.T. 0.11 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

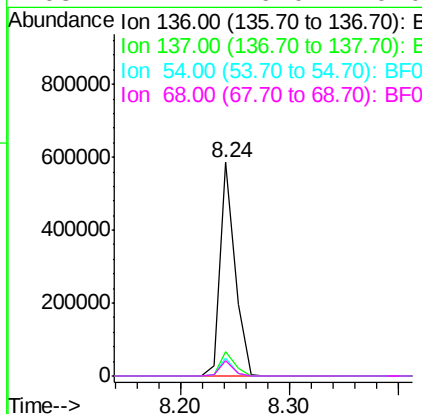
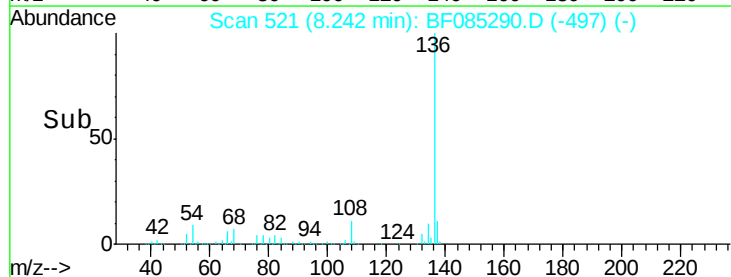
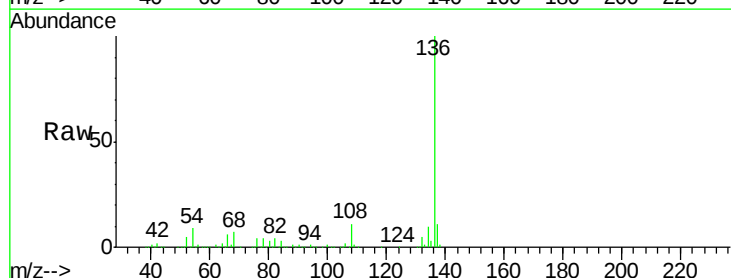
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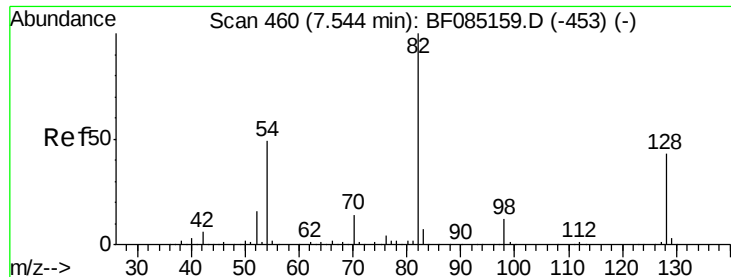
Tgt Ion: 70 Resp: 134847
Ion Ratio Lower Upper
70 100
42 42.2 37.7 56.5
101 0.0 8.2 12.4#
130 2.1 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Tgt Ion: 136 Resp: 560560
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 8.7 7.4 11.2
68 7.2 6.0 9.0

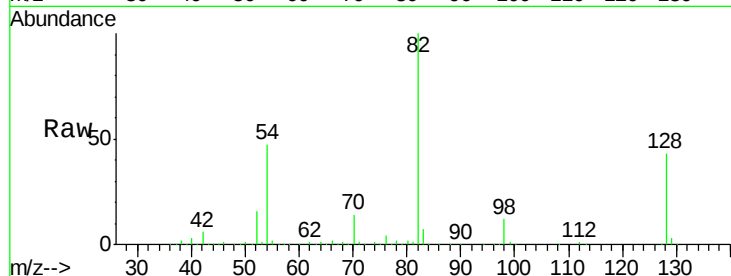




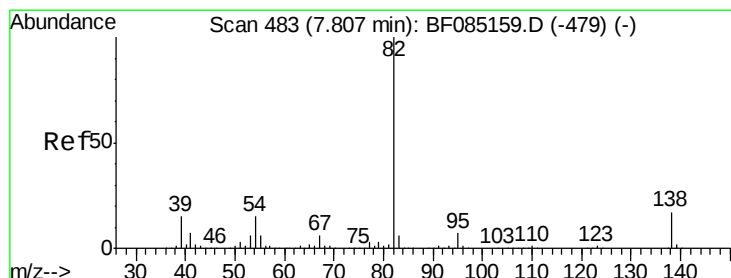
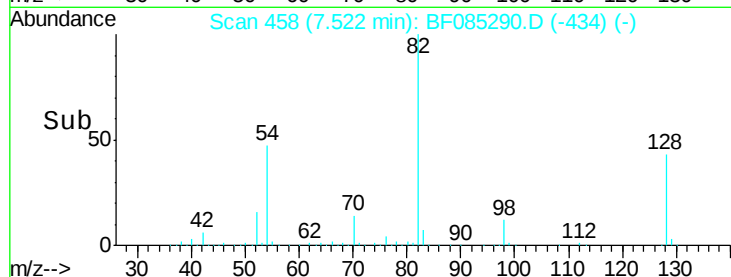
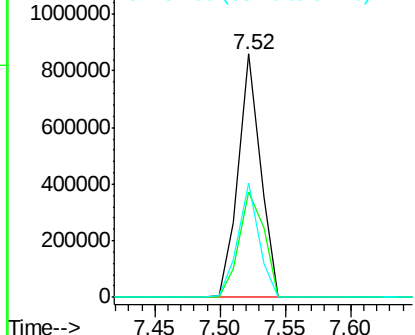
#23
Nitrobenzene-d5
Concen: 97.53 ng
RT: 7.52 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Instrument :
BNA_G
ClientSampleId :
SB-31-COMP-0.5-3.0

Tgt Ion: 82 Resp: 1021672
Ion Ratio Lower Upper
82 100
128 43.5 34.5 51.7
54 47.1 39.3 58.9

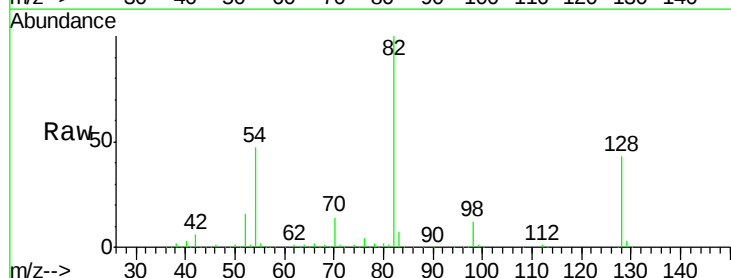


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

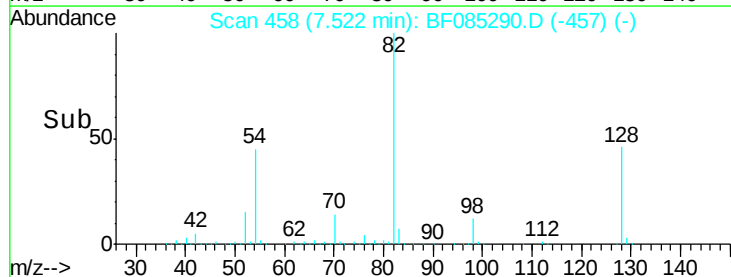
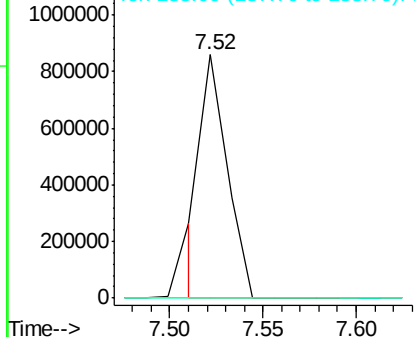


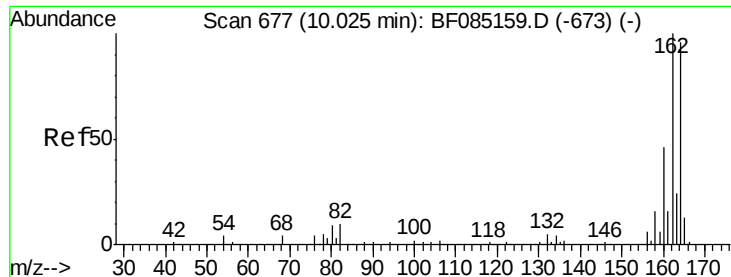
#25
Isophorone
Concen: 42.93 ng
RT: 7.52 min Scan# 458
Delta R.T. -0.29 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Tgt Ion: 82 Resp: 833318
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

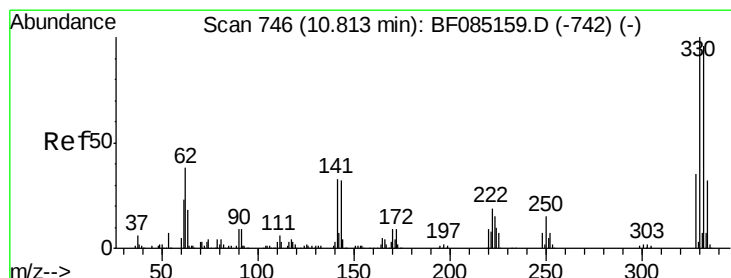
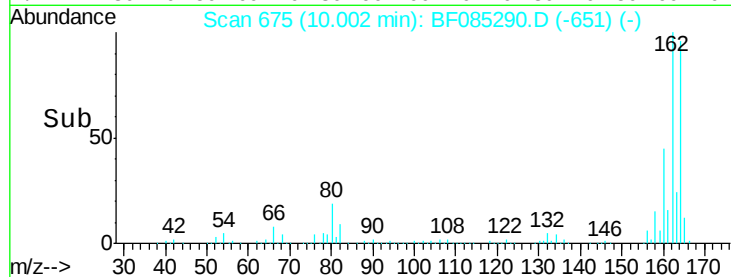
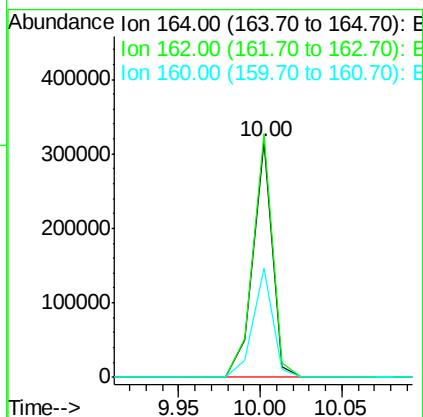
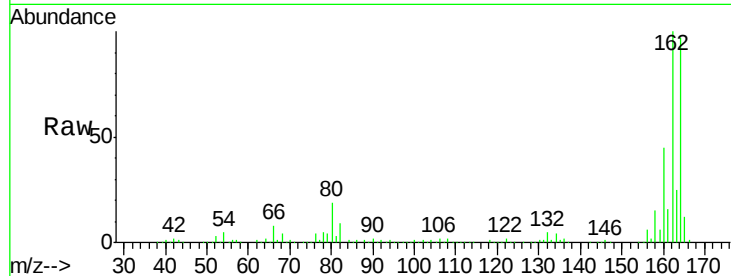




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.00 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF085290.D
 Acq: 9 Mar 2016 7:26

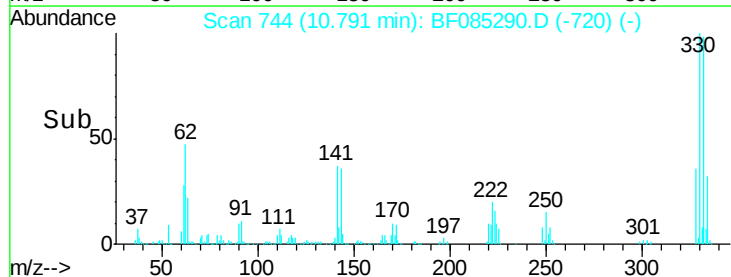
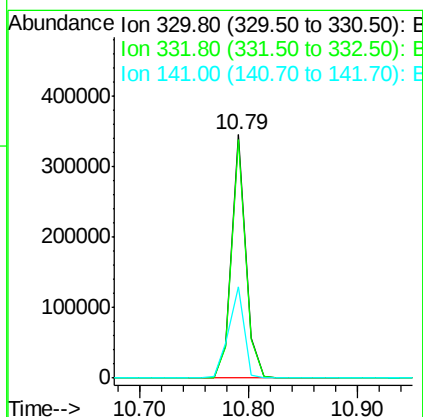
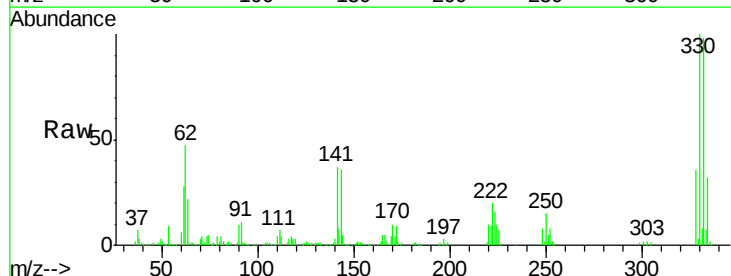
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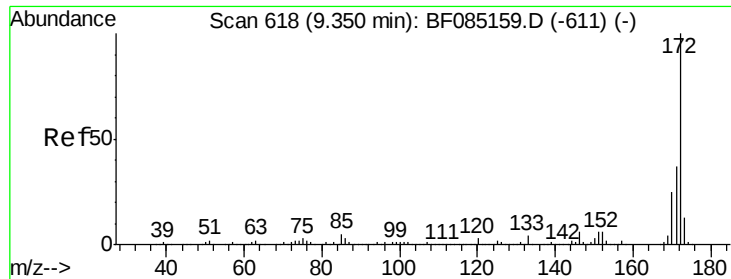
Tgt Ion:164 Resp: 262286
 Ion Ratio Lower Upper
 164 100
 162 103.4 83.3 124.9
 160 46.6 37.9 56.9



#41
 2,4,6-Tribromophenol
 Concen: 138.00 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085290.D
 Acq: 9 Mar 2016 7:26

Tgt Ion:330 Resp: 309717
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.1 115.7
 141 42.2 35.0 52.6

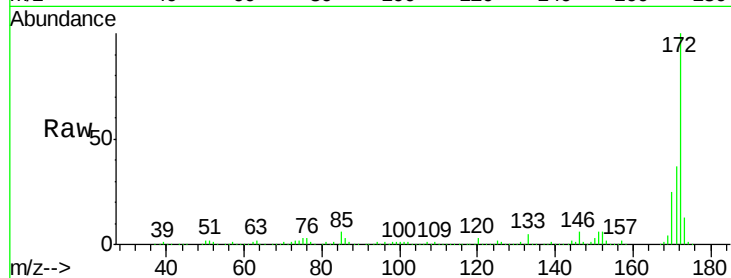




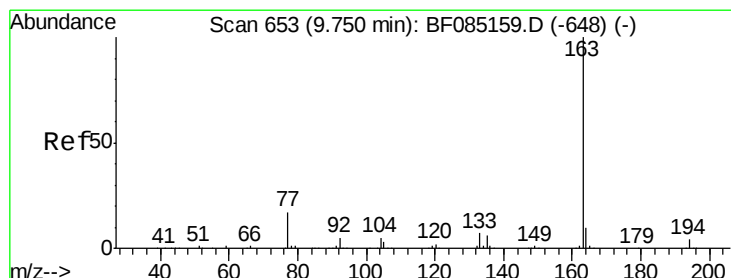
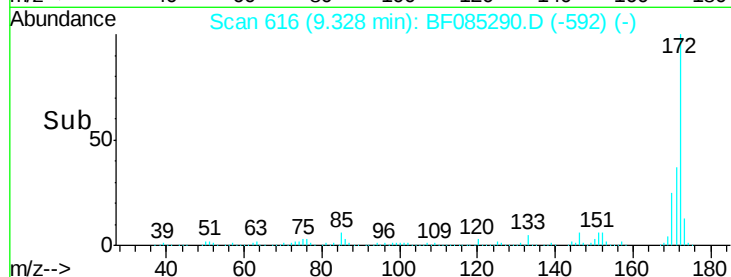
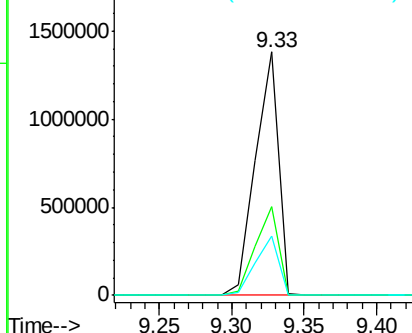
#44
2-Fluorobiphenyl
Concen: 88.45 ng
RT: 9.33 min Scan# 616
Delta R.T. -0.02 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Instrument :
BNA_G
ClientSampleId :
SB-31-COMP-0.5-3.0

Tgt Ion:172 Resp: 1525444
Ion Ratio Lower Upper
172 100
171 36.7 29.3 43.9
170 24.6 20.0 30.0

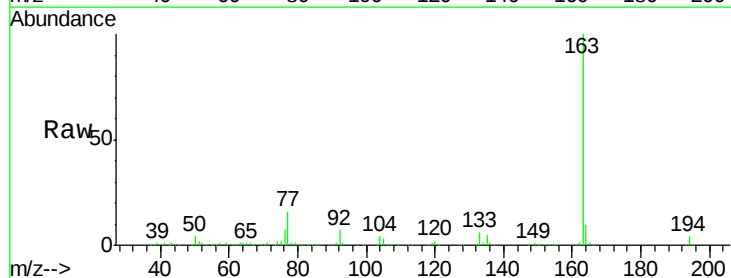


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

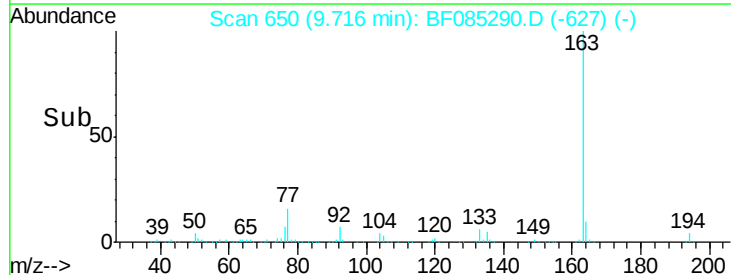
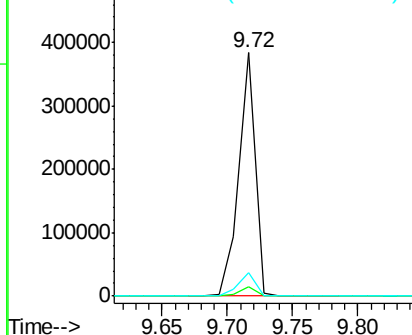


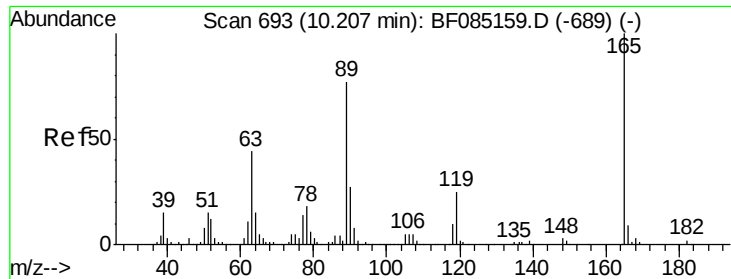
#49
Dimethylphthalate
Concen: 16.52 ng
RT: 9.72 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Tgt Ion:163 Resp: 332614
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.6 8.2 12.4



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

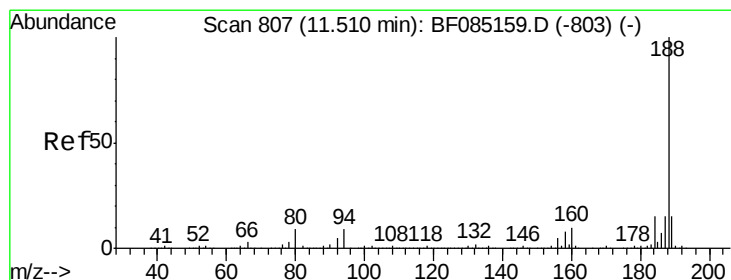
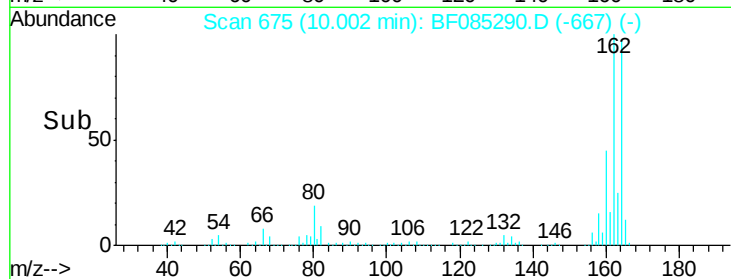
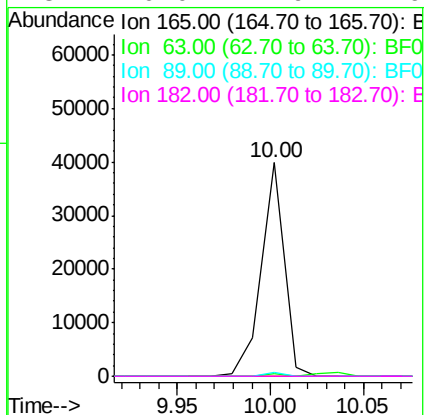
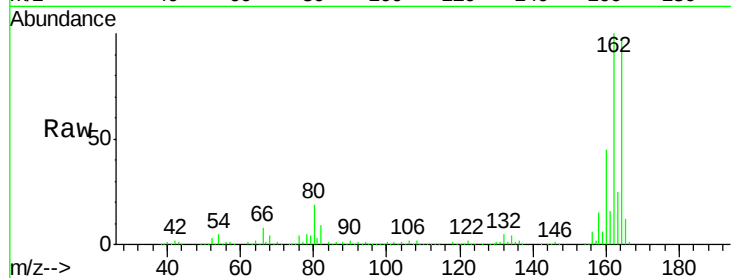




#56
 2,4-Dinitrotoluene
 Concen: 6.13 ng
 RT: 10.00 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF085290.D
 Acq: 9 Mar 2016 7:26

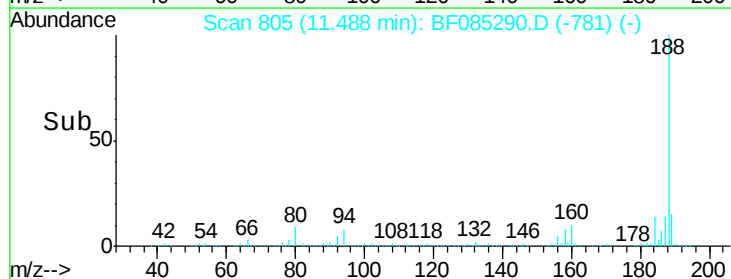
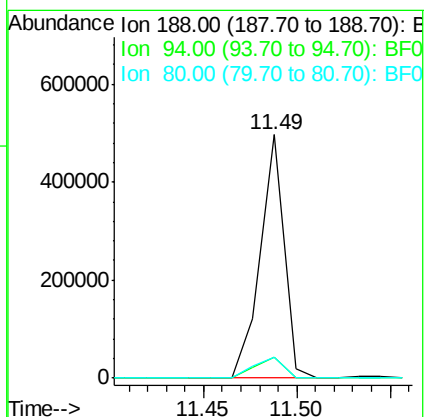
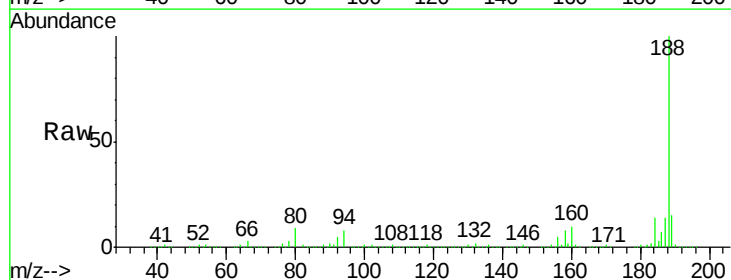
Instrument :
 BNA_G
 ClientSampleId :
 SB-31-COMP-0.5-3.0

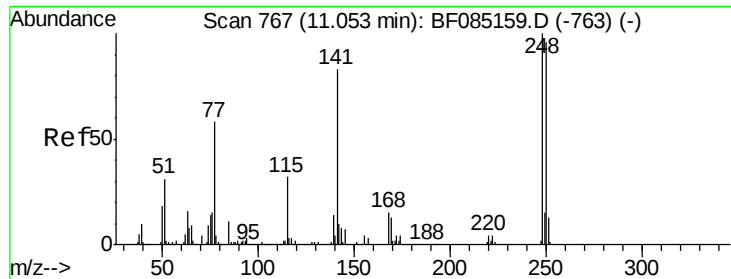
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	35.4	53.0#
89	1.6	61.9	92.9#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF085290.D
 Acq: 9 Mar 2016 7:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.6
80	8.8	7.4	11.0

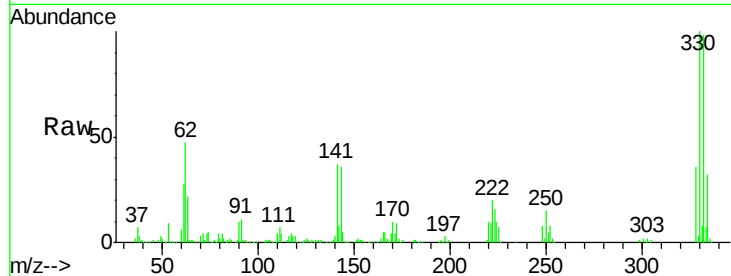




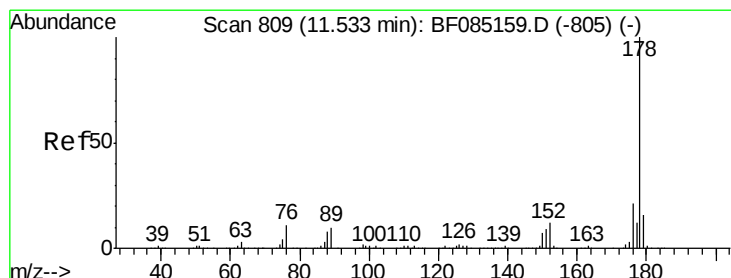
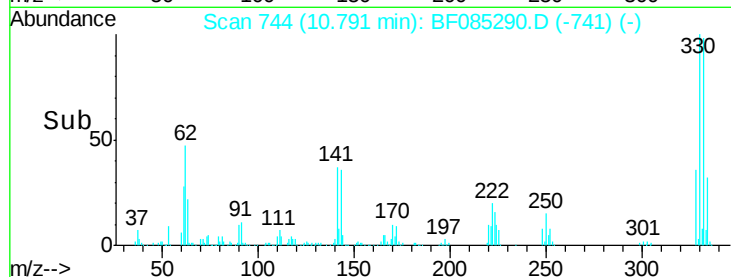
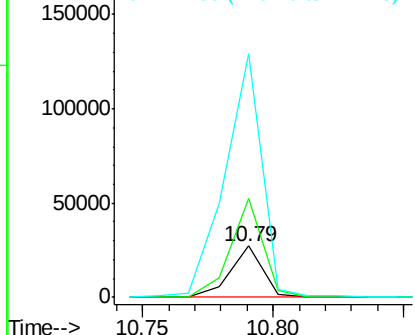
#66
4-Bromophenyl-phenylether
Concen: 5.57 ng
RT: 10.79 min Scan# 744
Delta R.T. -0.26 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Instrument :
BNA_G
ClientSampleId :
SB-31-COMP-0.5-3.0

Tgt Ion:248 Resp: 23688
Ion Ratio Lower Upper
248 100
250 192.7 77.1 115.7#
141 474.1 66.2 99.2#

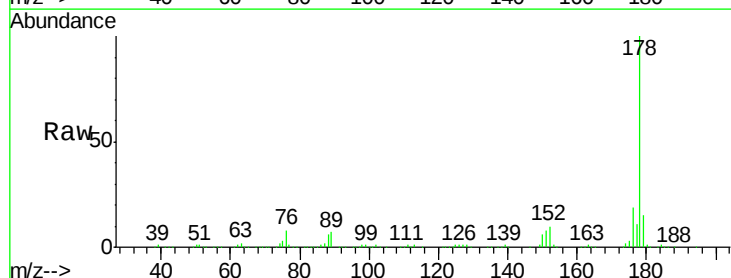


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

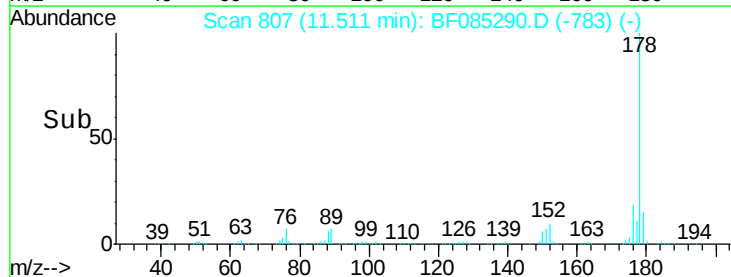
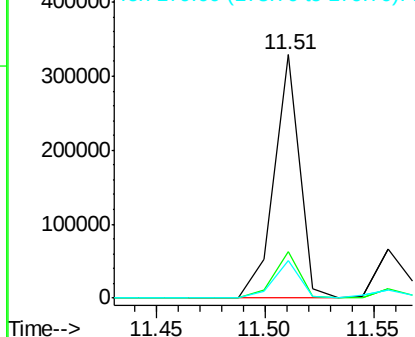


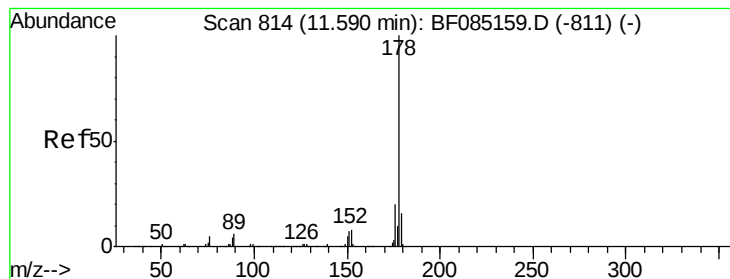
#70
Phenanthrene
Concen: 11.87 ng
RT: 11.51 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Tgt Ion:178 Resp: 272329
Ion Ratio Lower Upper
178 100
176 19.2 16.8 25.2
179 15.4 13.1 19.7



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





#71

Anthracene

Concen: 2.69 ng

RT: 11.56 min Scan# 811

Delta R.T. -0.03 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Instrument :

BNA_G

ClientSampleId :

SB-31-COMP-0.5-3.0

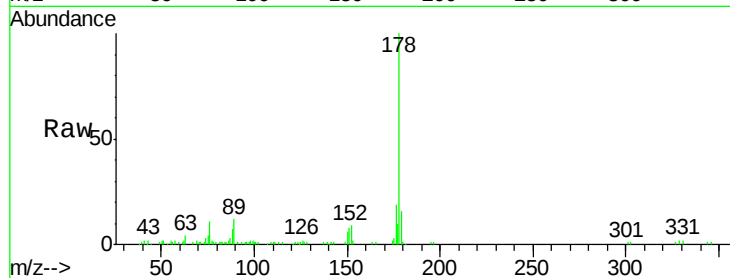
Tgt Ion:178 Resp: 65456

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

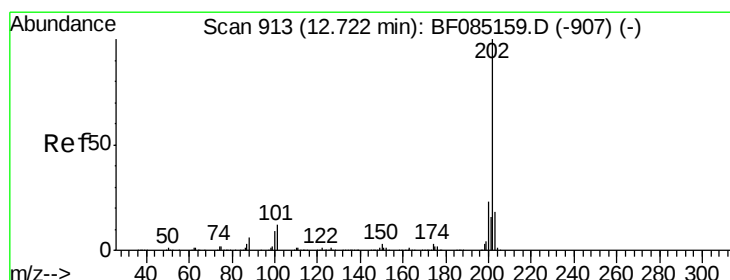
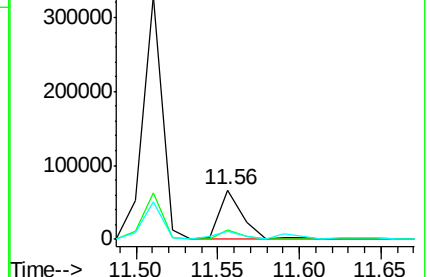
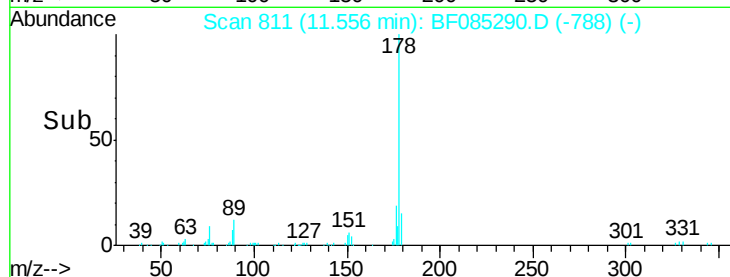
179 15.9 12.5 18.7



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



#74

Fluoranthene

Concen: 25.64 ng

RT: 12.70 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

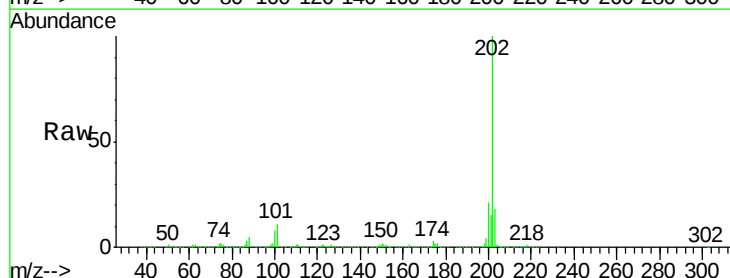
Tgt Ion:202 Resp: 590558

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.8

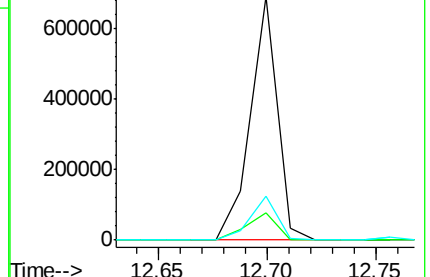
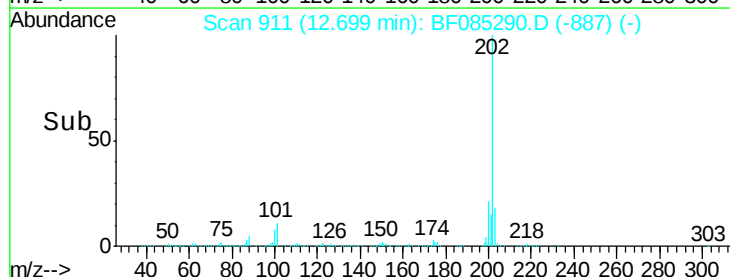
203 18.0 0.0 38.4

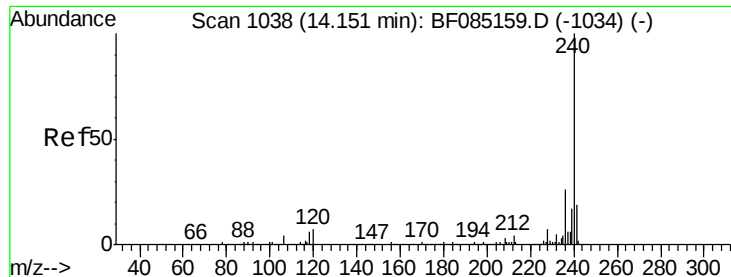


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Instrument :

BNA_G

ClientSampleId :

SB-31-COMP-0.5-3.0

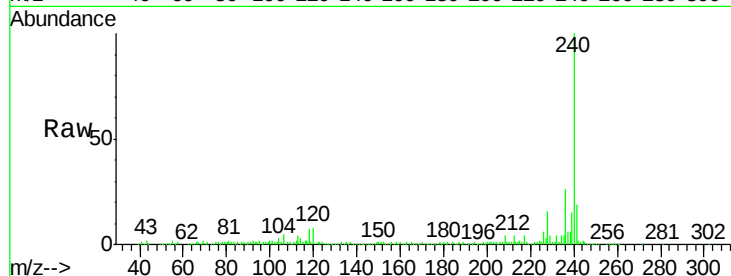
Tgt Ion:240 Resp: 292990

Ion Ratio Lower Upper

240 100

120 8.2 5.3 7.9#

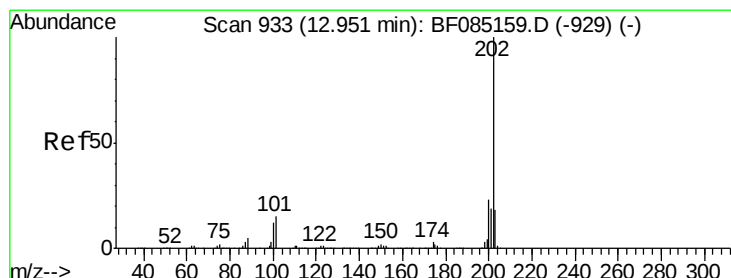
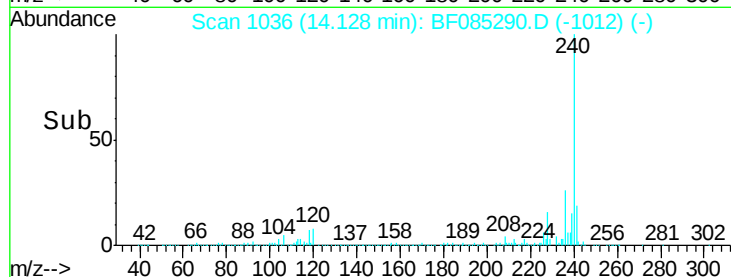
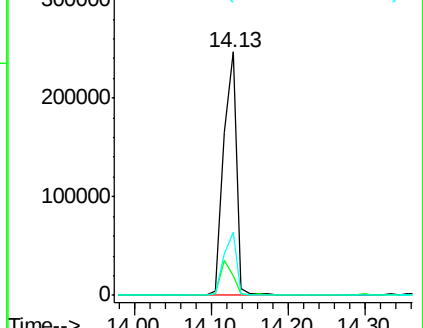
236 26.0 20.7 31.1



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



#77

Pyrene

Concen: 24.05 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

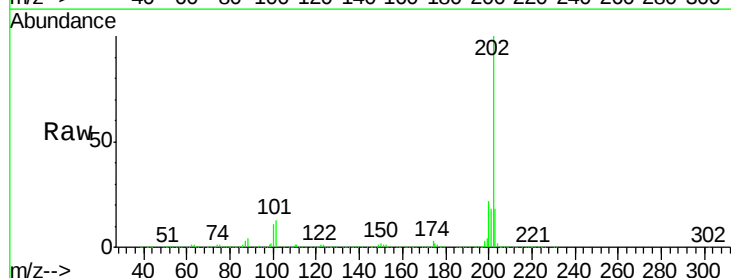
Tgt Ion:202 Resp: 530325

Ion Ratio Lower Upper

202 100

200 21.6 18.2 27.4

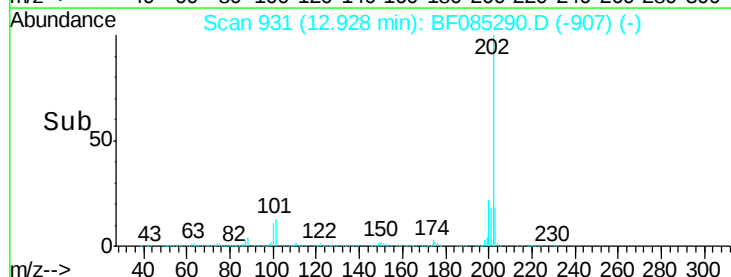
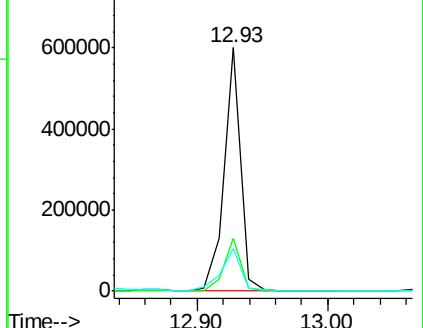
203 17.6 14.7 22.1

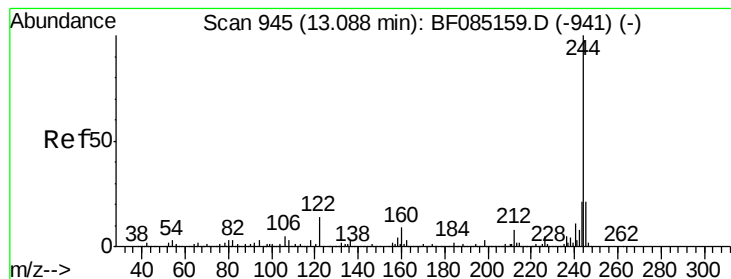


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.53 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Instrument :

BNA_G

ClientSampleId :

SB-31-COMP-0.5-3.0

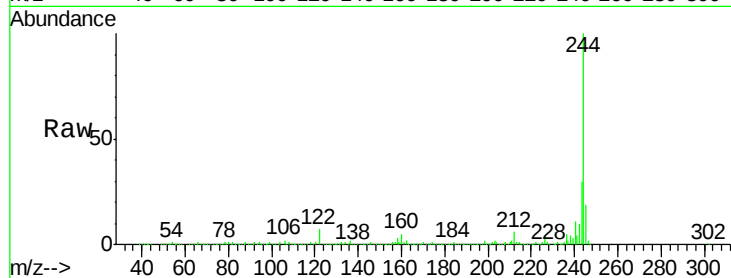
Tgt Ion:244 Resp: 965938

Ion Ratio Lower Upper

244 100

212 6.4 6.4 9.6

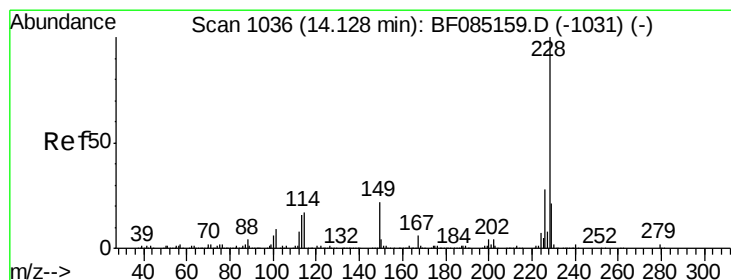
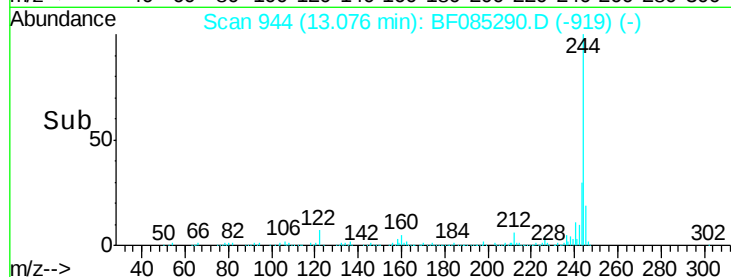
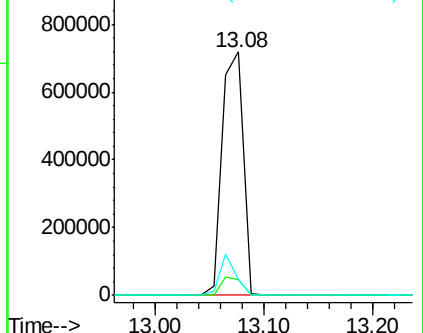
122 6.6 11.4 17.2#



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



#80

Benzo(a)anthracene

Concen: 14.07 ng

RT: 14.15 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

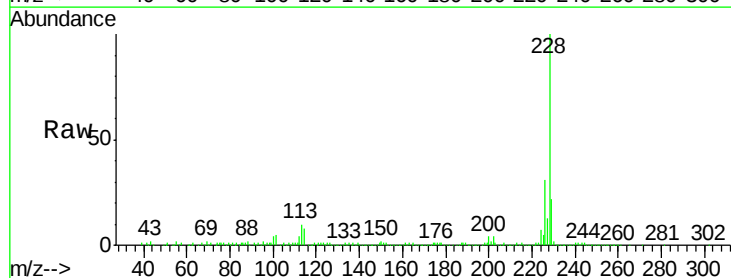
Tgt Ion:228 Resp: 246717

Ion Ratio Lower Upper

228 100

226 30.9 22.8 34.2

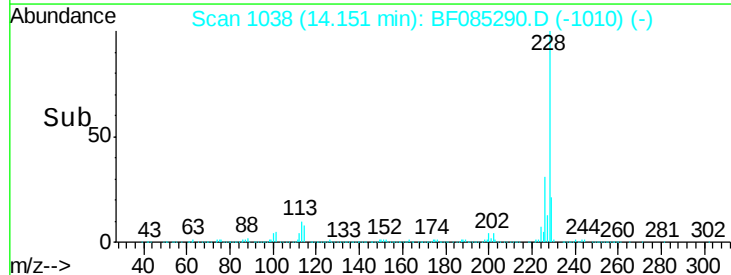
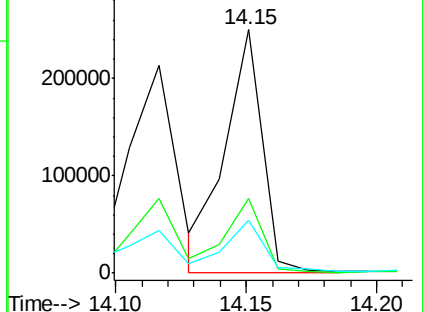
229 21.9 16.6 24.8

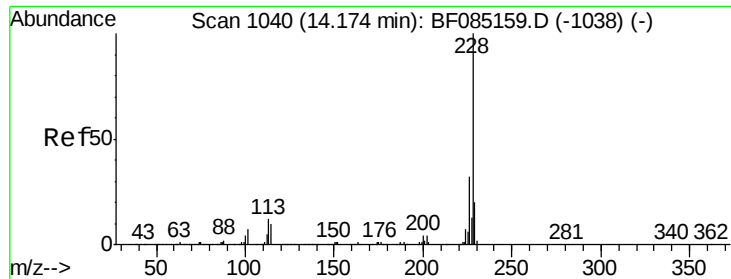


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.23 ng

RT: 14.15 min Scan# 1038

Delta R.T. -0.02 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Instrument :

BNA_G

ClientSampleId :

SB-31-COMP-0.5-3.0

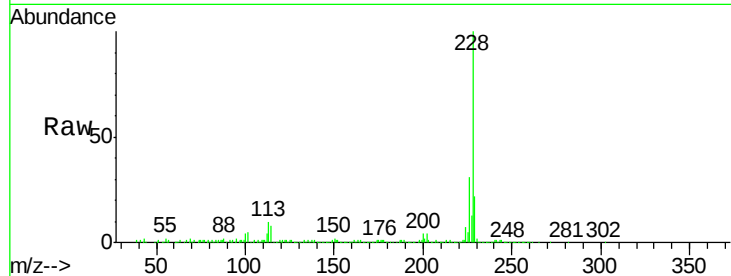
Tgt Ion:228 Resp: 246717

Ion Ratio Lower Upper

228 100

226 30.9 25.2 37.8

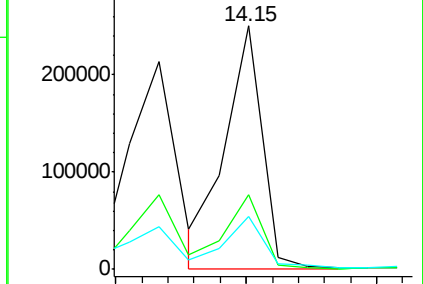
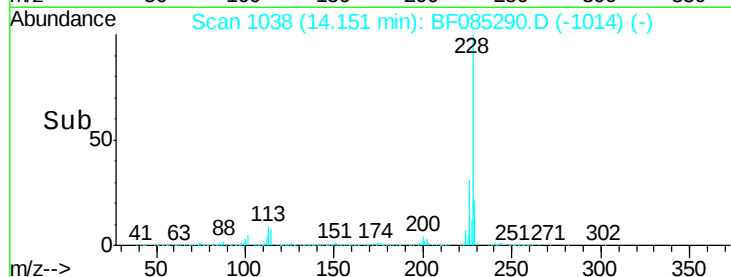
229 21.9 16.0 24.0



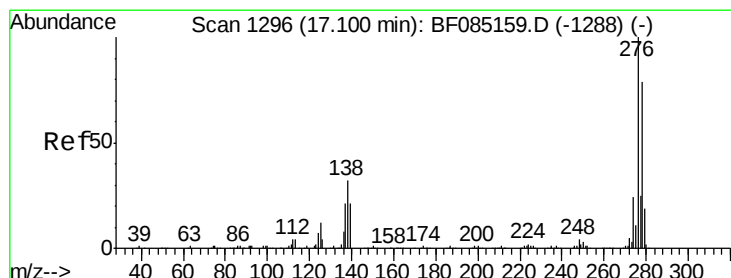
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 14.10 14.15 14.20



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.38 ng

RT: 17.05 min Scan# 1292

Delta R.T. -0.05 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

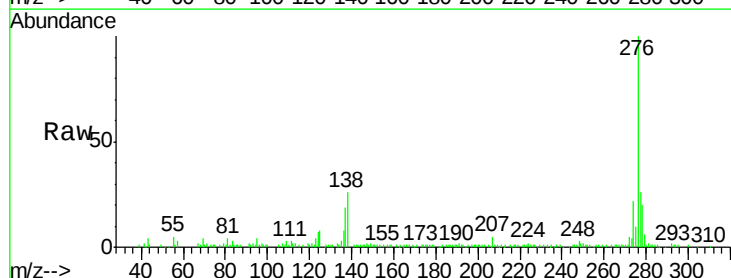
Tgt Ion:276 Resp: 143933

Ion Ratio Lower Upper

276 100

138 26.1 26.4 39.6#

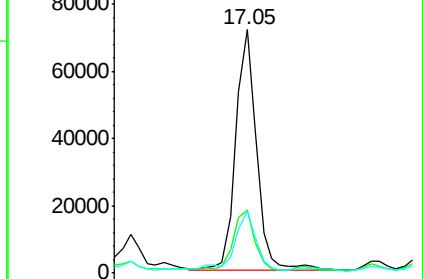
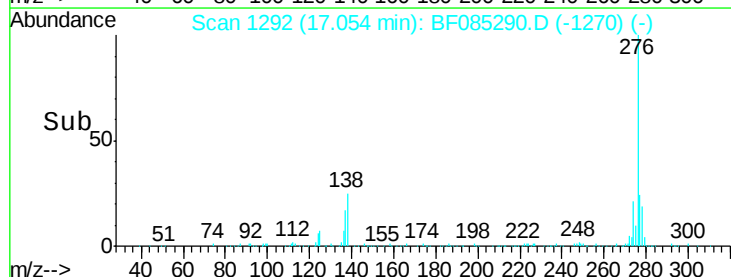
277 25.0 20.2 30.2



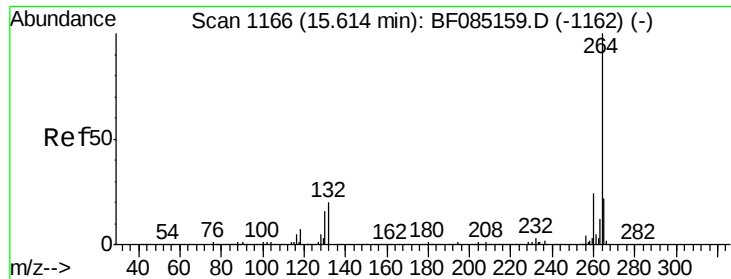
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



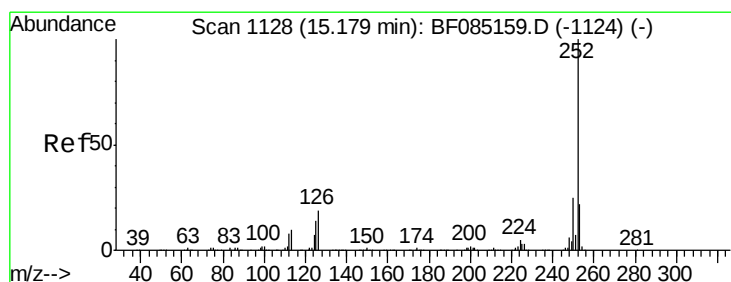
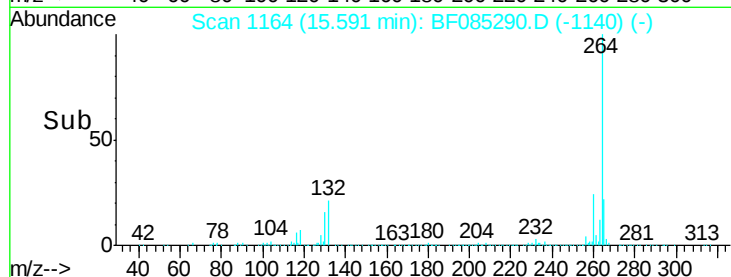
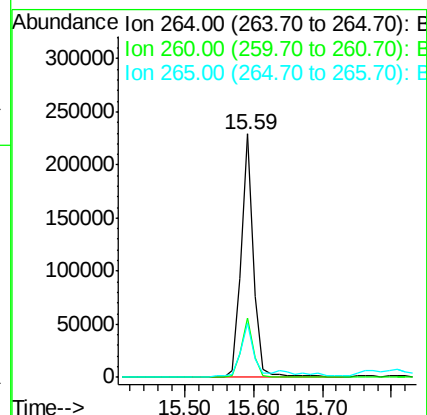
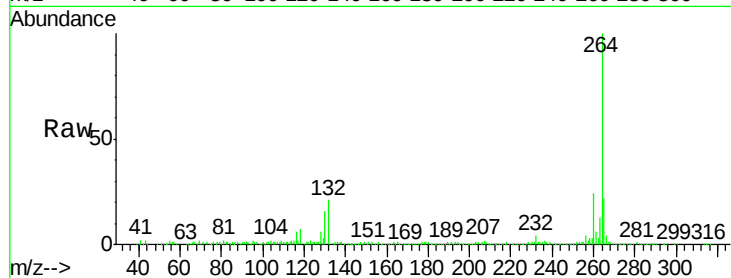
Time--> 16.90 17.00 17.10 17.20



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.59 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

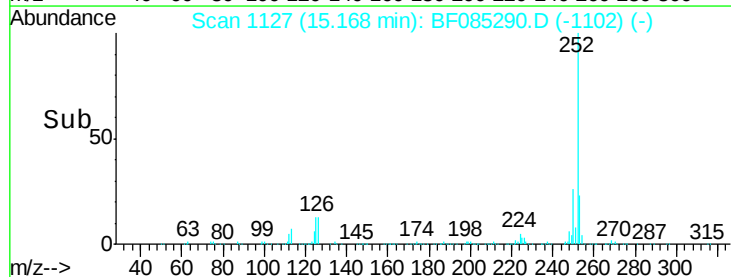
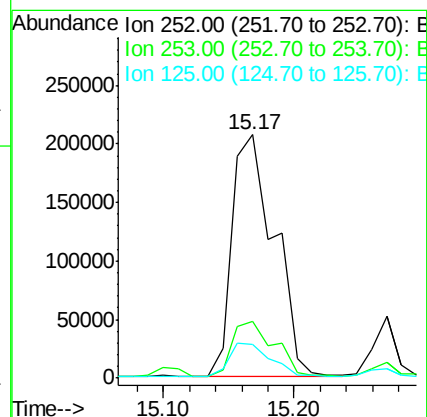
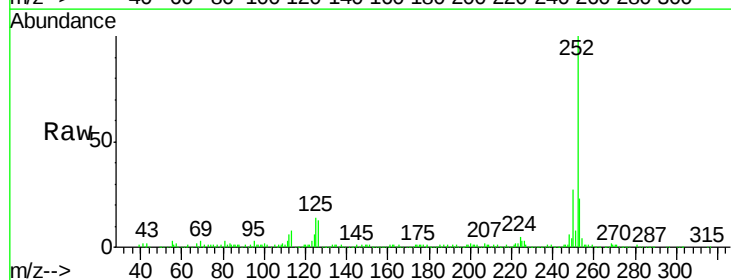
Instrument :
BNA_G
ClientSampleId :
SB-31-COMP-0.5-3.0

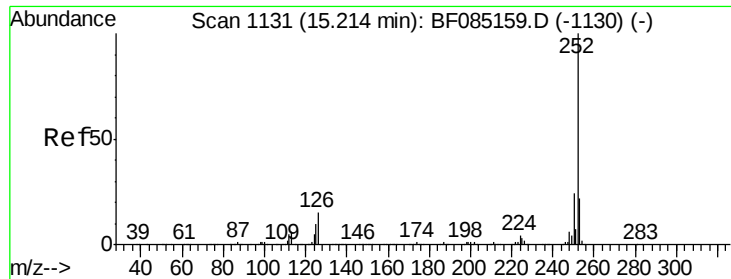
Tgt Ion: 264 Resp: 290928
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.3 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 24.16 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Tgt Ion: 252 Resp: 468516
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 14.0 11.3 16.9

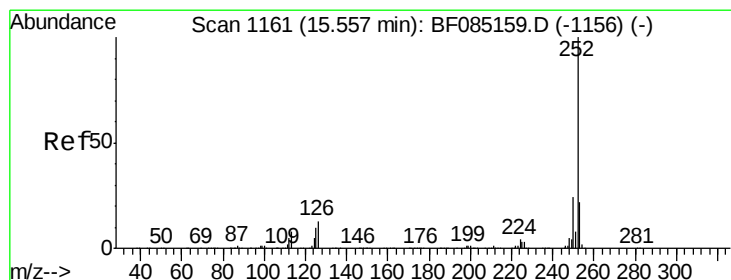
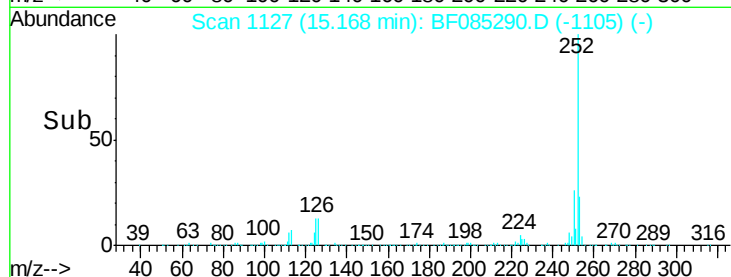
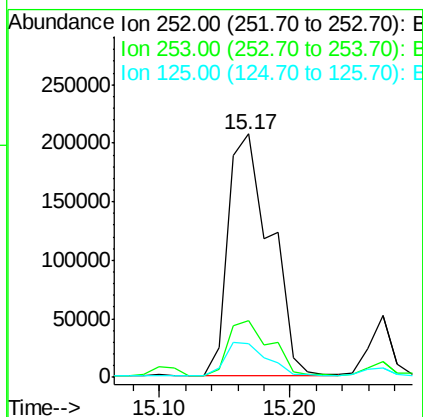
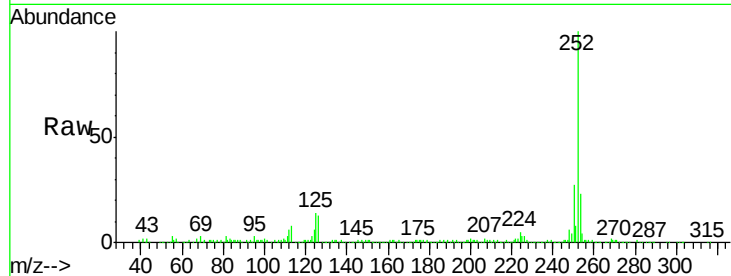




#88
Benzo(k)fluoranthene
Concen: 29.95 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

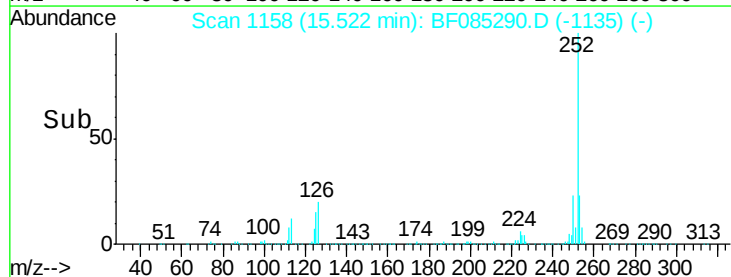
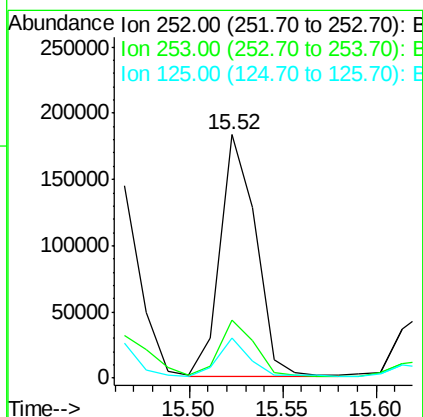
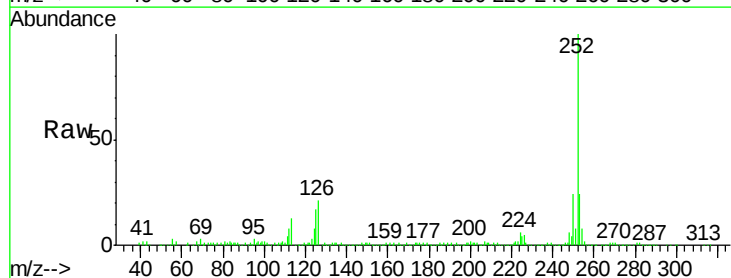
Instrument :
BNA_G
ClientSampleId :
SB-31-COMP-0.5-3.0

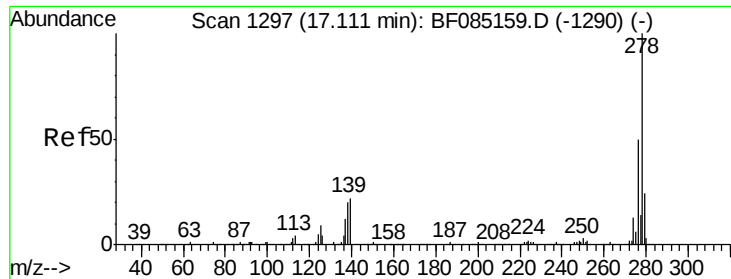
Tgt Ion: 252 Resp: 468516
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 14.0 10.4 15.6



#89
Benzo(a)pyrene
Concen: 15.13 ng
RT: 15.52 min Scan# 1158
Delta R.T. -0.03 min
Lab File: BF085290.D
Acq: 9 Mar 2016 7:26

Tgt Ion: 252 Resp: 243048
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 16.7 8.2 12.4#





#90

Dibenzo(a,h)anthracene

Concen: 2.30 ng

RT: 17.07 min Scan# 1293

Delta R.T. -0.05 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

Instrument :

BNA_G

ClientSampleId :

SB-31-COMP-0.5-3.0

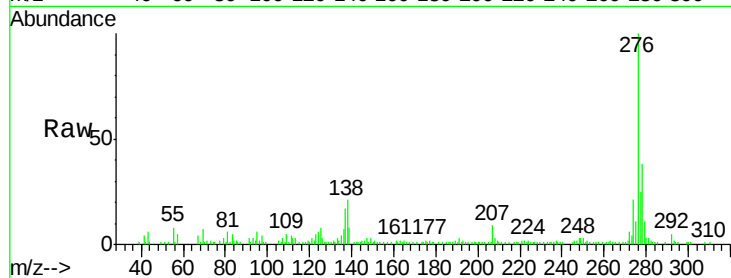
Tgt Ion: 278 Resp: 31503

Ion Ratio Lower Upper

278 100

139 22.2 17.3 25.9

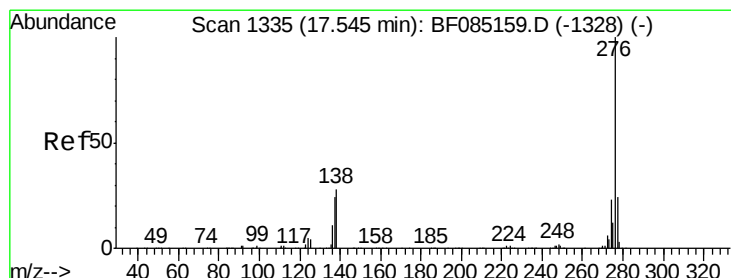
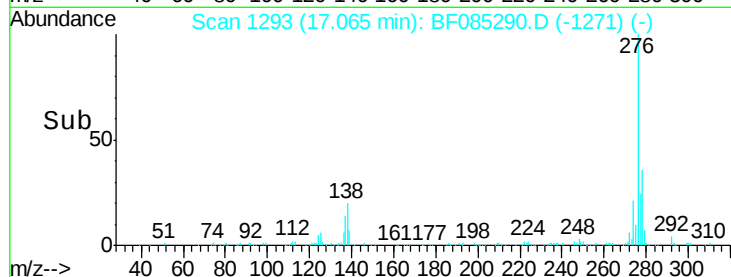
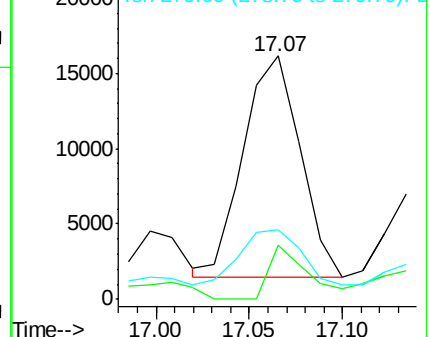
279 28.6 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.27 ng

RT: 17.50 min Scan# 1331

Delta R.T. -0.05 min

Lab File: BF085290.D

Acq: 9 Mar 2016 7:26

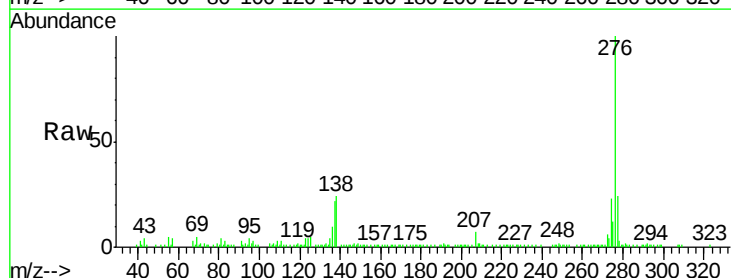
Tgt Ion: 276 Resp: 127843

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 23.6 22.5 33.7



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

