

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043016\
 Data File : BF086562.D
 Acq On : 1 May 2016 10:26
 Operator : UM/SJ
 Sample : H2762-13
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

Quant Time: May 02 02:12:55 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

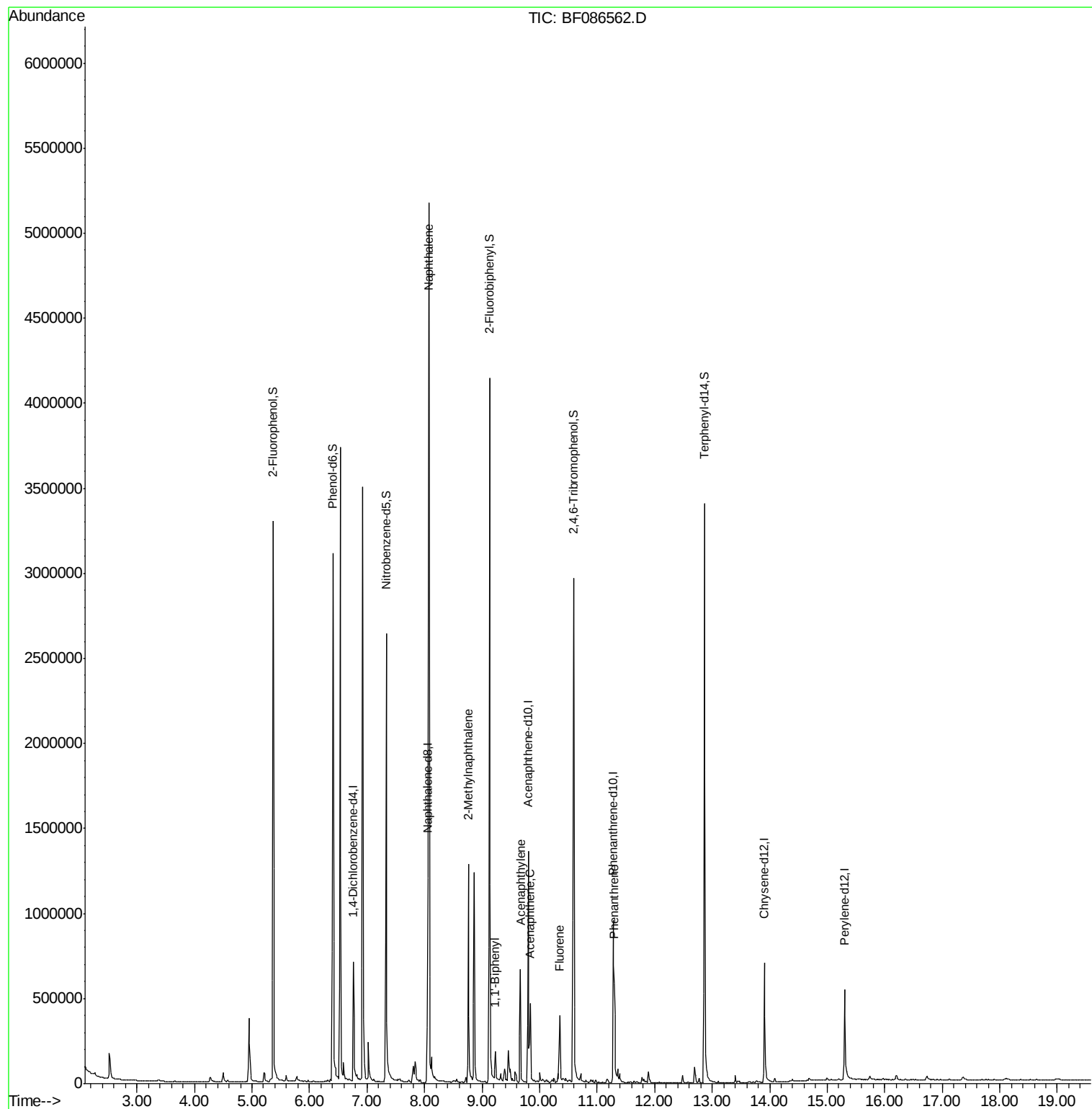
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	130194	20.00	ng	-0.05
21) Naphthalene-d8	8.05	136	558689	20.00	ng	-0.05
38) Acenaphthene-d10	9.80	164	276859	20.00	ng	-0.05
63) Phenanthrene-d10	11.28	188	517071	20.00	ng	-0.05
75) Chrysene-d12	13.91	240	345026	20.00	ng	-0.06
86) Perylene-d12	15.30	264	309616	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	968495	128.31	ng	-0.02
7) Phenol-d6	6.41	99	1155324	109.67	ng	-0.03
23) Nitrobenzene-d5	7.33	82	937102	90.41	ng	-0.05
41) 2,4,6-Tribromophenol	10.59	330	361815	123.92	ng	-0.05
44) 2-Fluorobiphenyl	9.13	172	1442410	93.01	ng	-0.05
78) Terphenyl-d14	12.87	244	1368542	87.39	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.08	128	2430038	85.48	ng	97
37) 2-Methylnaphthalene	8.76	142	383935	22.89	ng	97
45) 1,1'-Biphenyl	9.23	154	77203	3.34	ng	99
48) Acenaphthylene	9.66	152	313577	11.40	ng	98
51) Acenaphthene	9.84	154	120100	6.80	ng	98
57) Fluorene	10.35	166	161209	8.41	ng	100
70) Phenanthrene	11.30	178	277450	10.22	ng	99

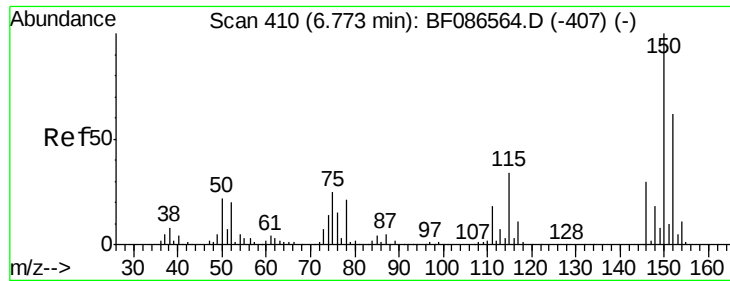
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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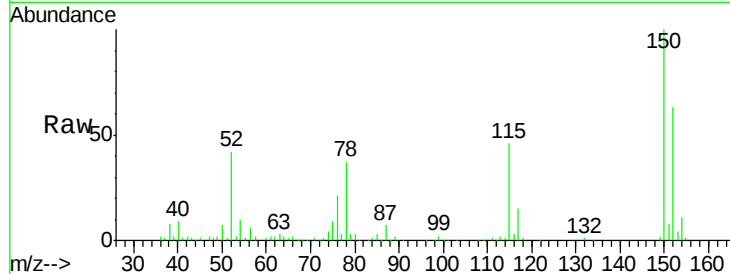


#1

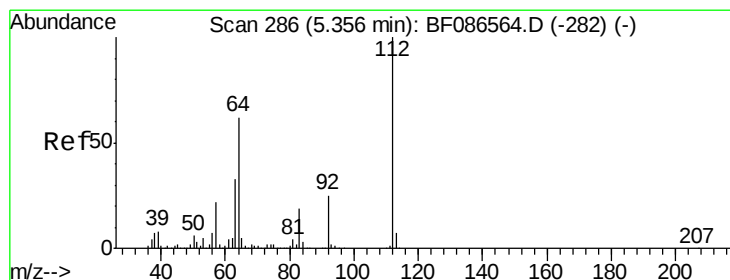
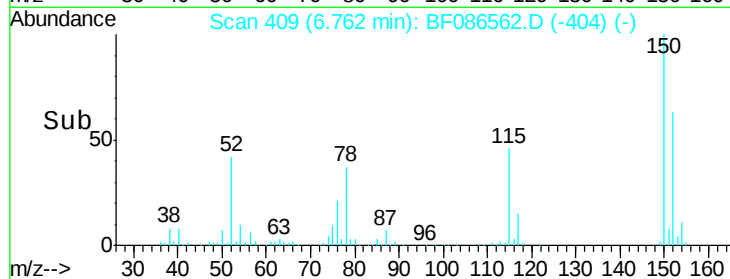
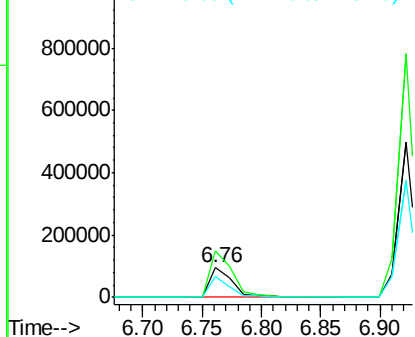
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.05 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

Instrument :
BNA_F
ClientSampleId :
TEC-B4COMP

Tot Ion:152 Resp: 130194
Ion Ratio Lower Upper
152 100
150 158.9 125.8 188.6
115 73.4 51.5 77.3



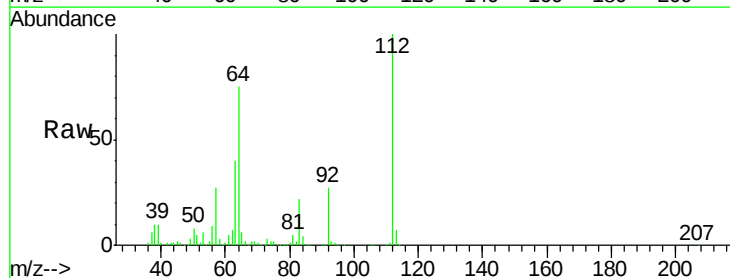
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



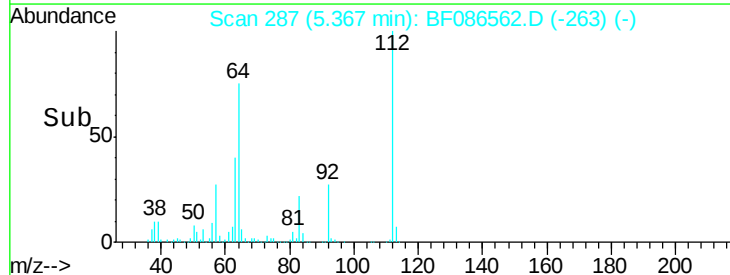
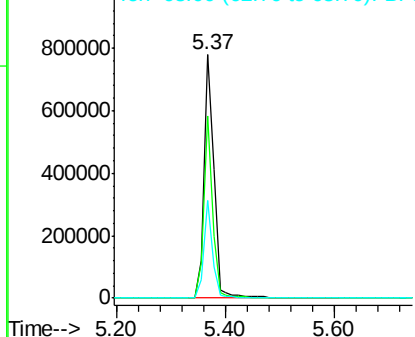
#5

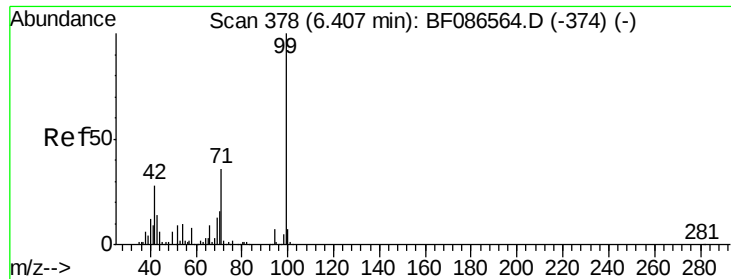
2-Fluorophenol
Concen: 128.31 ng
RT: 5.37 min Scan# 287
Delta R.T. -0.02 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

Tgt Ion:112 Resp: 968495
Ion Ratio Lower Upper
112 100
64 74.8 52.1 78.1
63 40.4 25.7 38.5#



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: 109.67 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

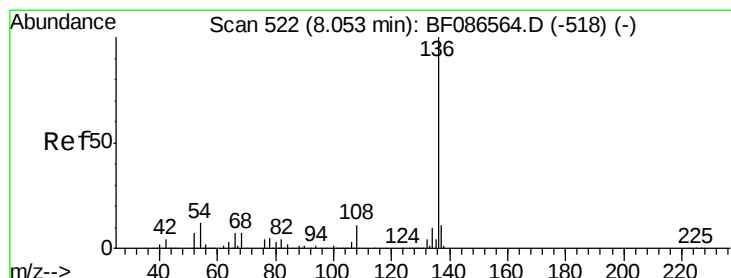
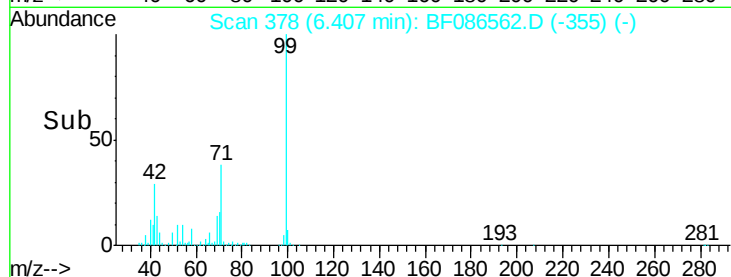
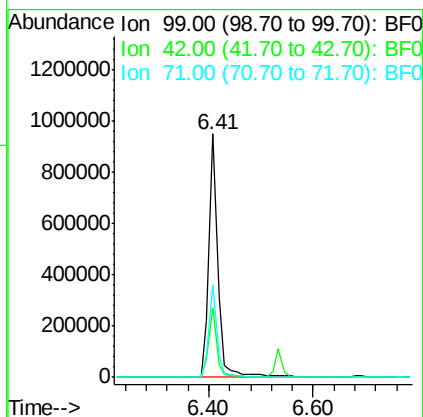
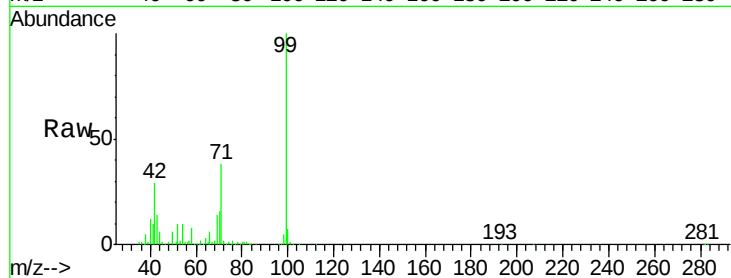
Tot Ion: 99 Resp: 1155324

Ion Ratio Lower Upper

99 100

42 28.8 13.6 20.4#

71 37.8 24.6 36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.05 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Tgt Ion: 136 Resp: 558689

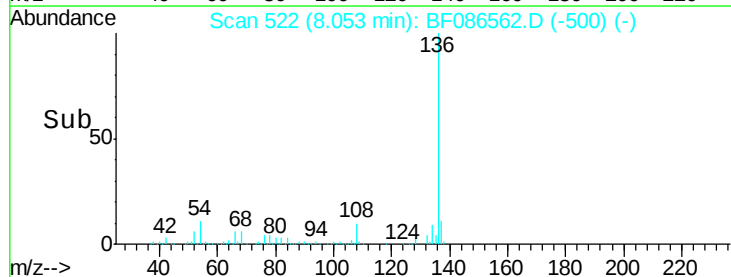
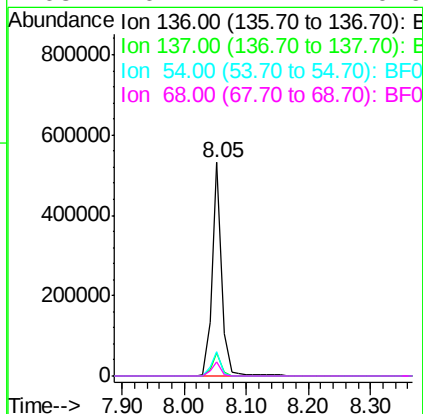
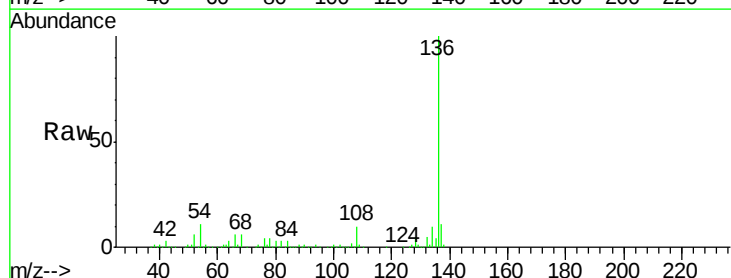
Ion Ratio Lower Upper

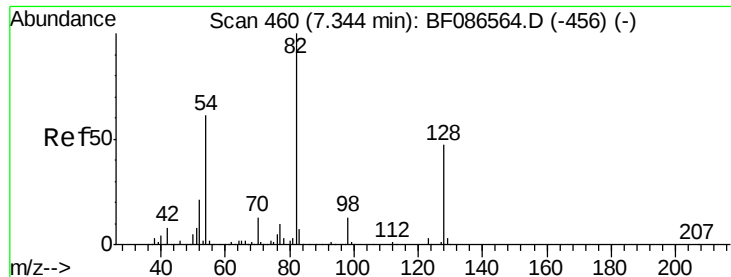
136 100

137 11.0 8.8 13.2

54 11.2 5.0 7.4#

68 6.4 4.4 6.6

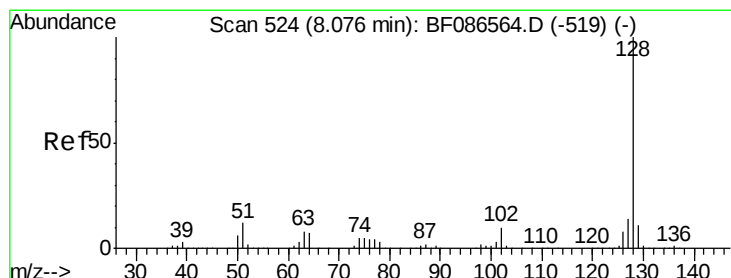
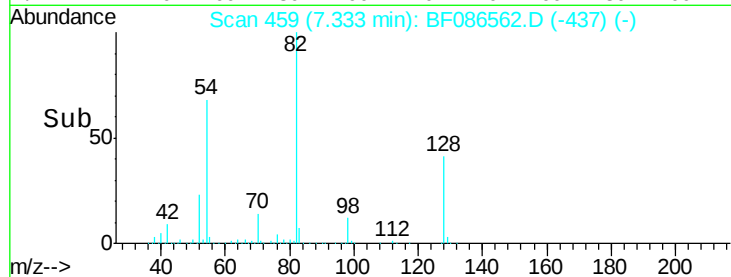
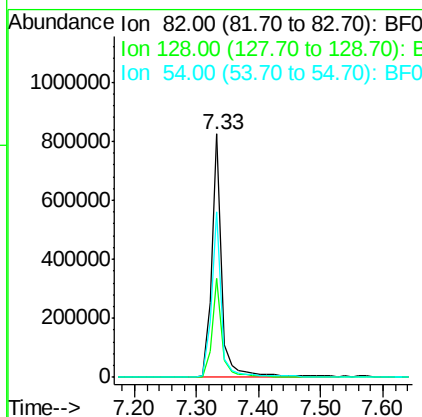
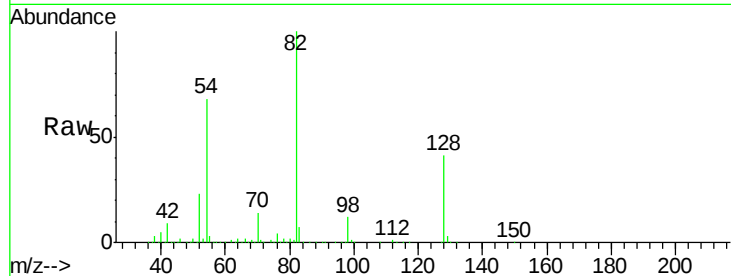




#23
Nitrobenzene-d5
Concen: 90.41 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.05 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

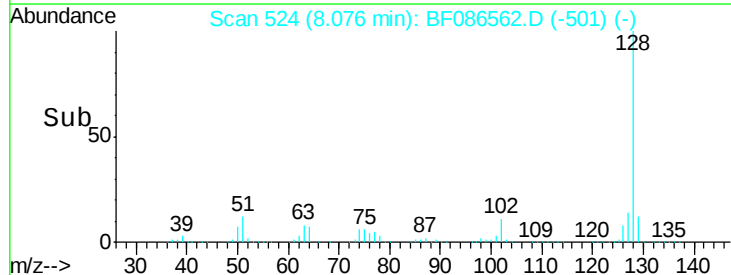
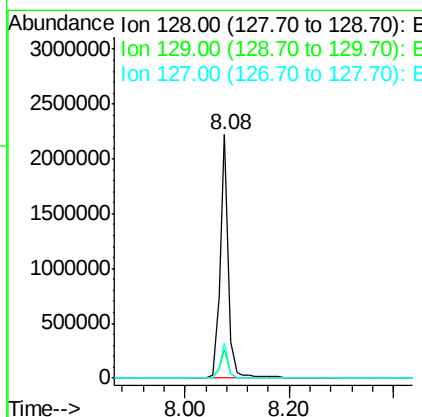
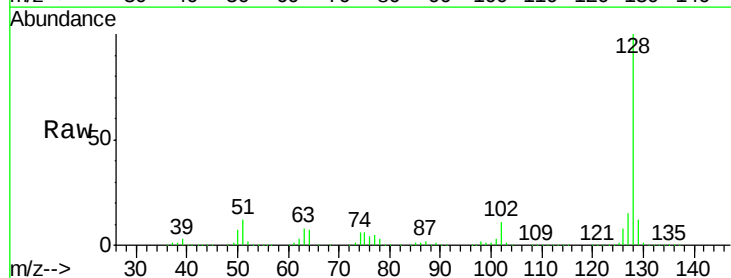
Instrument :
BNA_F
ClientSampleId :
TEC-B4COMP

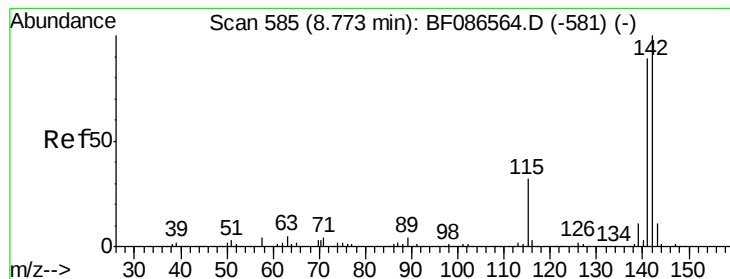
Tot Ion: 82 Resp: 937102
Ion Ratio Lower Upper
82 100
128 40.6 40.6 61.0#
54 68.0 38.1 57.1#



#31
Naphthalene
Concen: 85.48 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.03 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

Tgt Ion: 128 Resp: 2430038
Ion Ratio Lower Upper
128 100
129 12.0 8.6 13.0
127 14.5 10.8 16.2

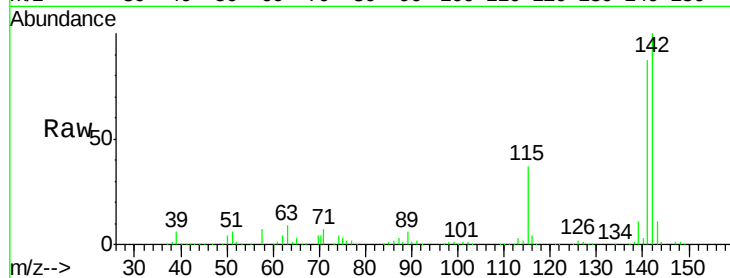




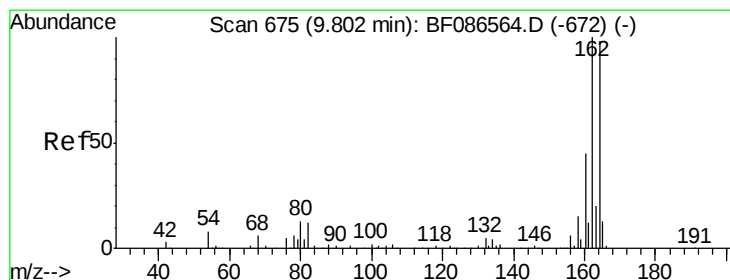
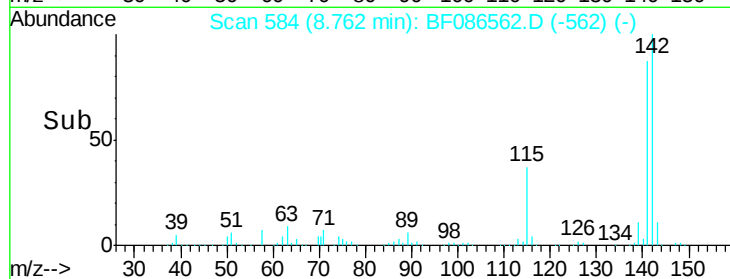
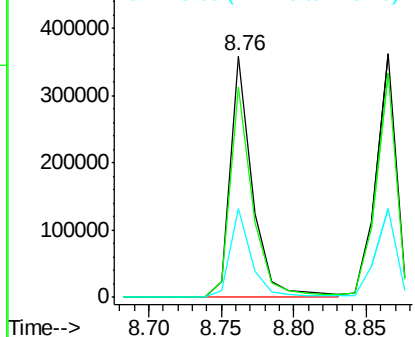
#37
2-Methylnaphthalene
Concen: 22.89 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.05 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

Instrument :
BNA_F
ClientSampleId :
TEC-B4COMP

Tot Ion:142 Resp: 383935
Ion Ratio Lower Upper
142 100
141 87.1 71.0 106.6
115 36.8 26.6 39.8

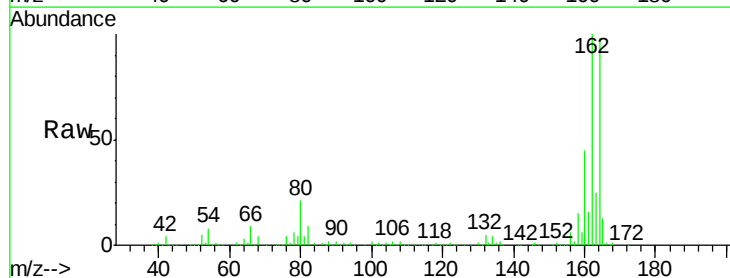


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

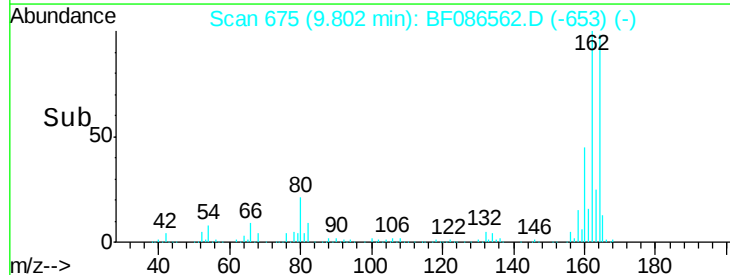
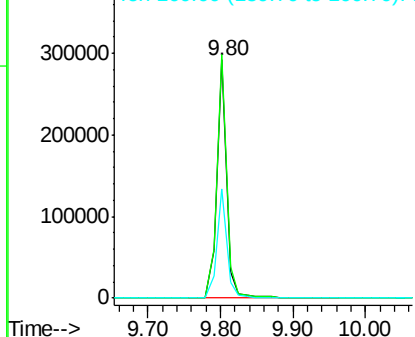


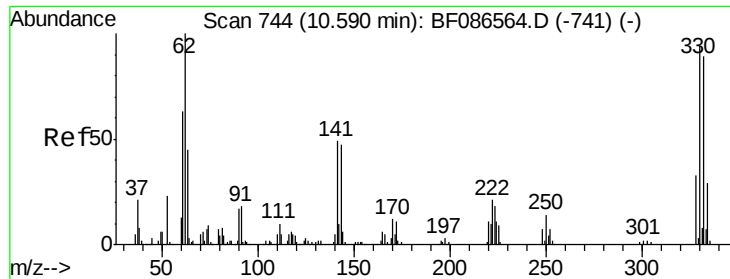
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.05 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

Tgt Ion:164 Resp: 276859
Ion Ratio Lower Upper
164 100
162 102.2 82.8 124.2
160 45.6 36.9 55.3



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

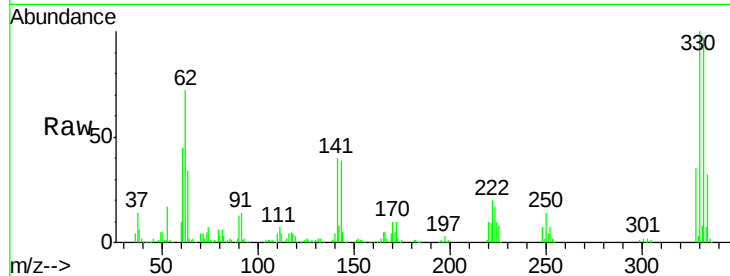




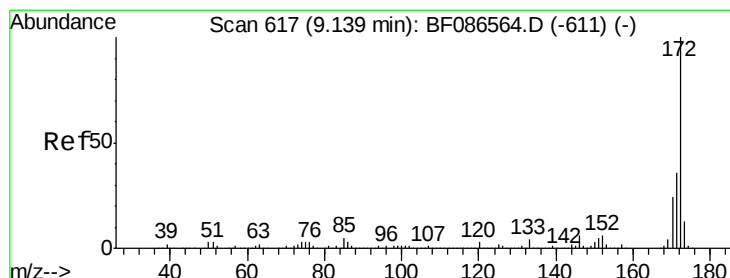
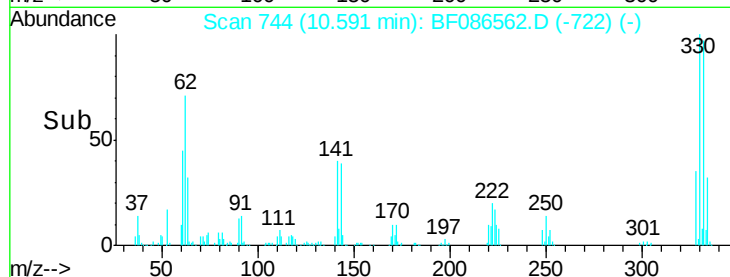
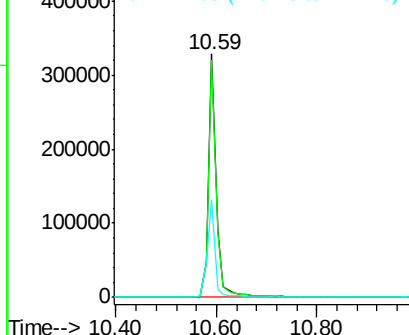
#41
 2,4,6-Tribromophenol
 Concen: 123.92 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.05 min
 Lab File: BF086562.D
 Acq: 1 May 2016 10:26

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

Tot Ion:330 Resp: 361815
 Ion Ratio Lower Upper
 330 100
 332 97.0 79.0 118.4
 141 39.4 31.2 46.8

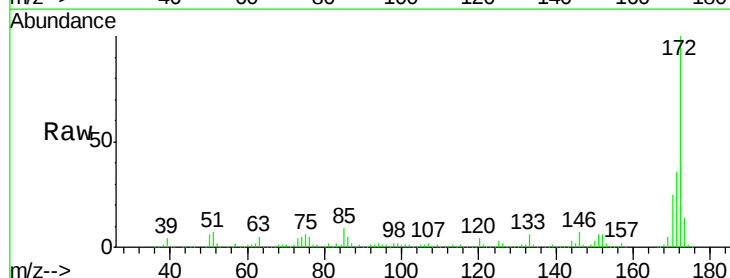


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

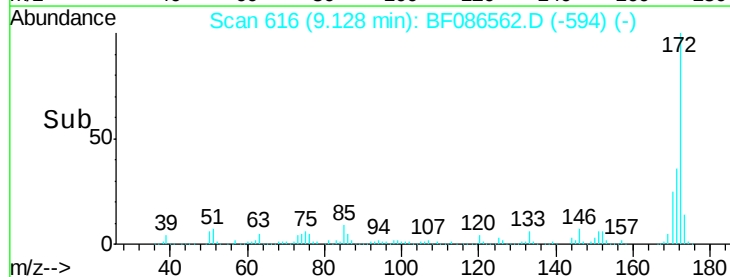
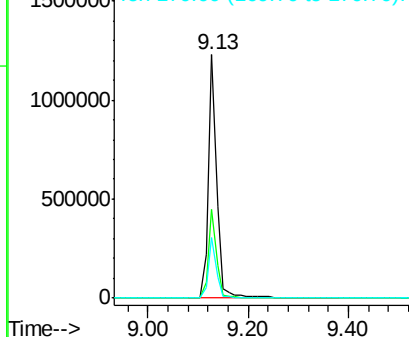


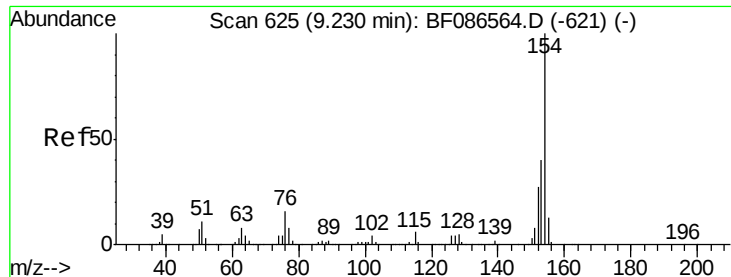
#44
 2-Fluorobiphenyl
 Concen: 93.01 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.05 min
 Lab File: BF086562.D
 Acq: 1 May 2016 10:26

Tgt Ion:172 Resp: 1442410
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.9 19.8 29.8



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





#45

1,1'-Biphenyl

Concen: 3.34 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.05 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Instrument :

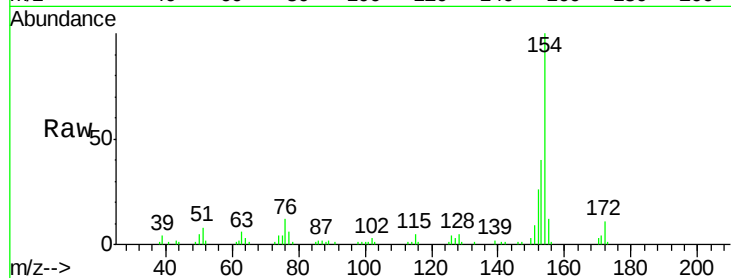
BNA_F

ClientSampleId :

TEC-B4COMP

Tot Ion:154 Resp: 77203

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.3	60.3
76	11.8	0.0	30.2

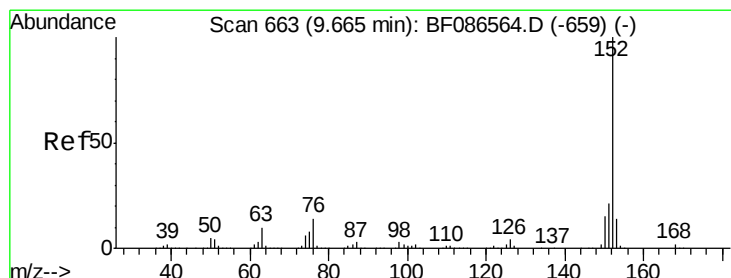
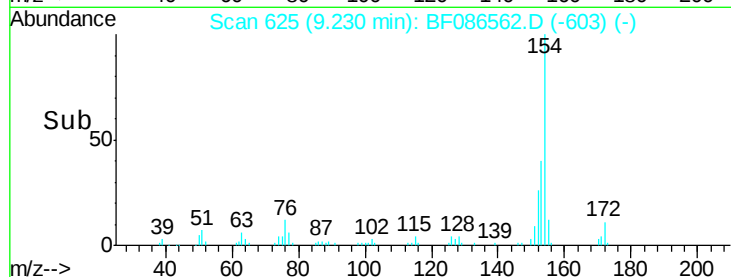
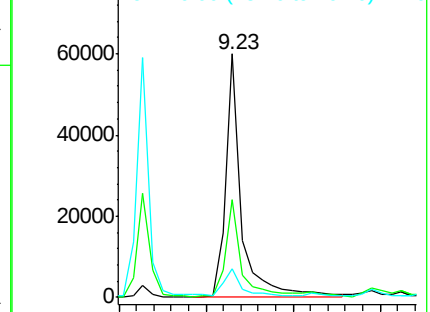


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 11.40 ng

RT: 9.66 min Scan# 663

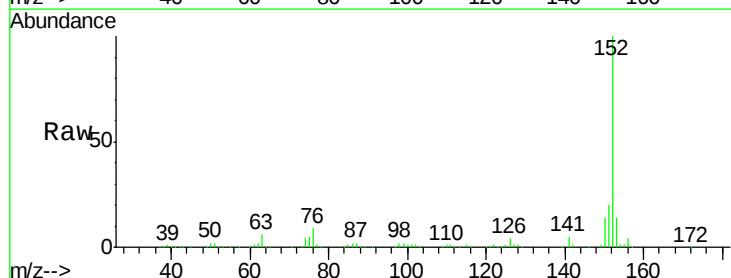
Delta R.T. -0.05 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Tgt Ion:152 Resp: 313577

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.8	25.2
153	13.6	10.9	16.3

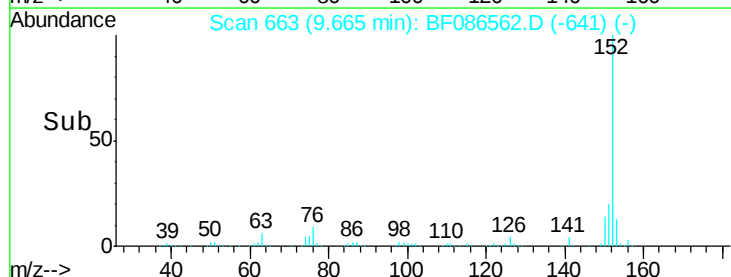
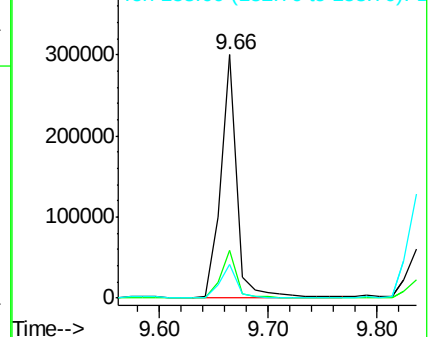


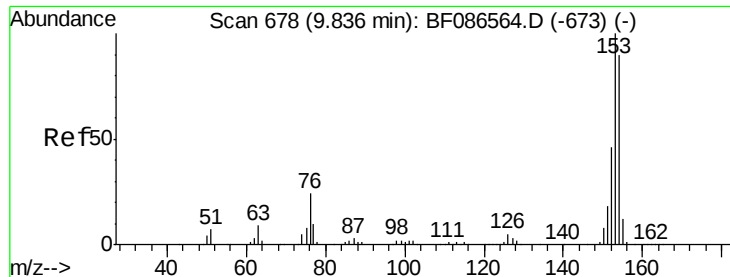
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 6.80 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.05 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

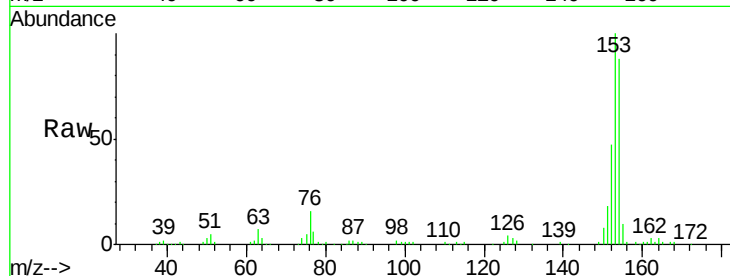
Tot Ion:154 Resp: 120100

Ion Ratio Lower Upper

154 100

153 114.2 89.8 134.6

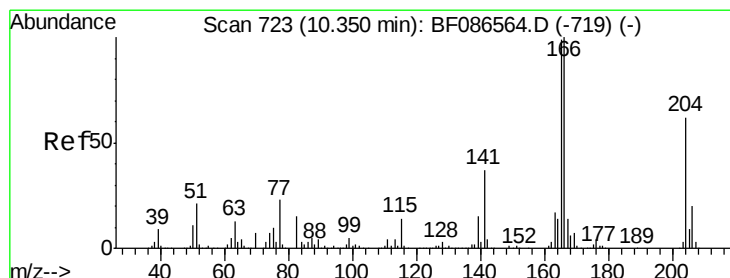
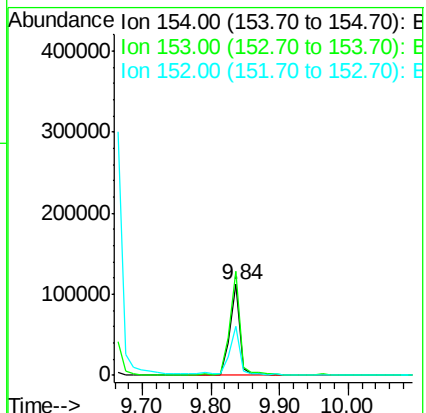
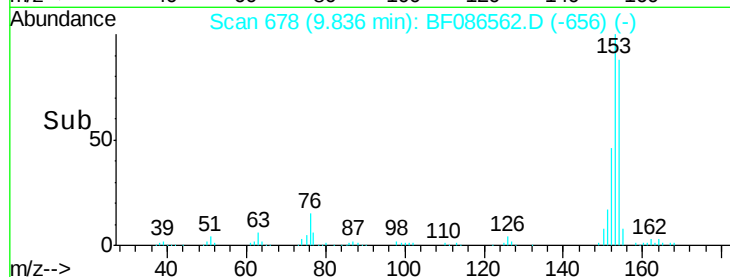
152 53.3 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 8.41 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.05 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

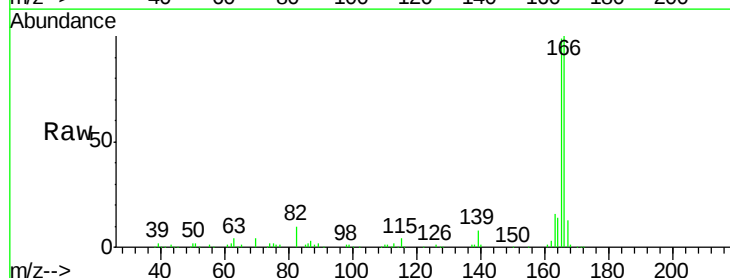
Tgt Ion:166 Resp: 161209

Ion Ratio Lower Upper

166 100

165 98.7 79.0 118.6

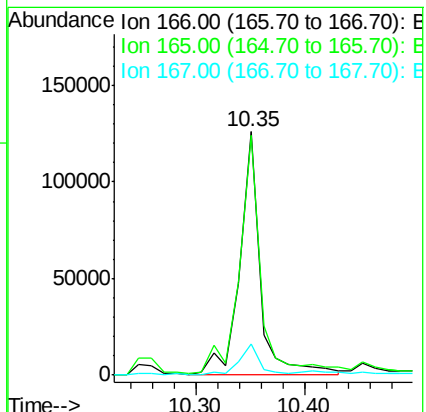
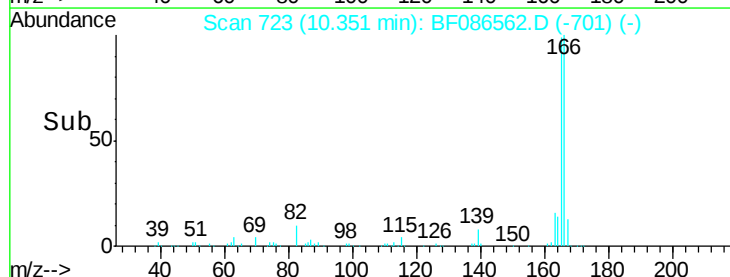
167 13.0 10.6 15.8

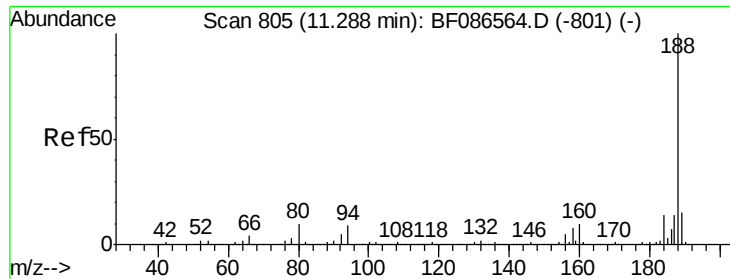


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

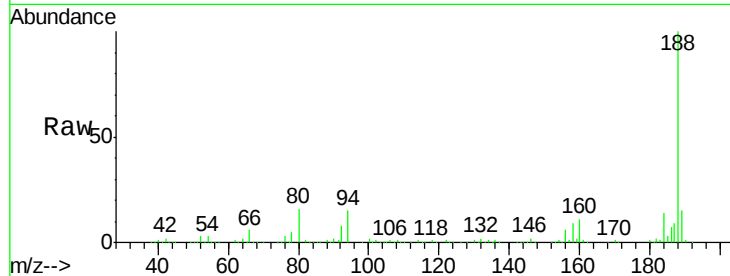




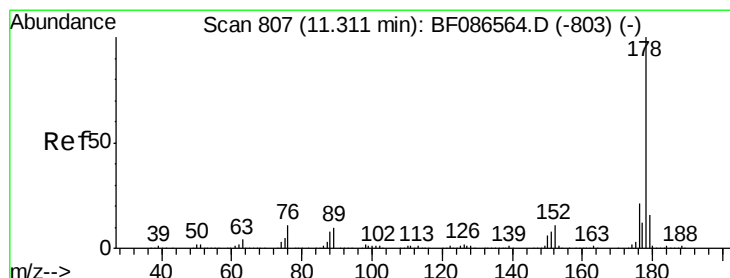
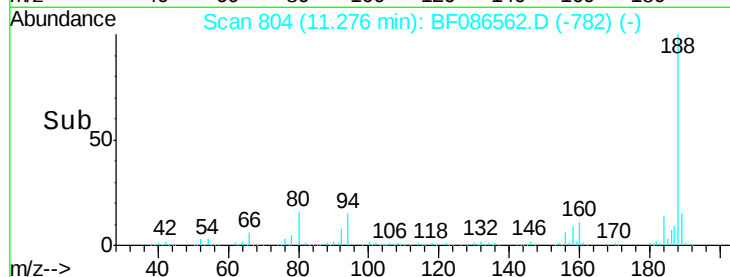
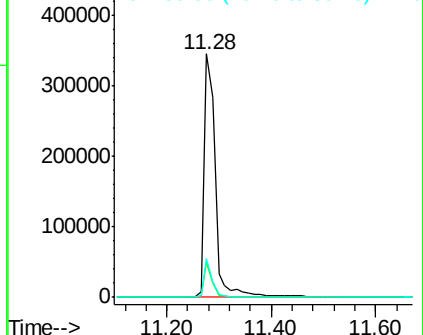
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.05 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

Instrument :
BNA_F
ClientSampleId :
TEC-B4COMP

Tot Ion:188 Resp: 517071
Ion Ratio Lower Upper
188 100
94 14.6 6.8 10.2#
80 15.9 7.1 10.7#

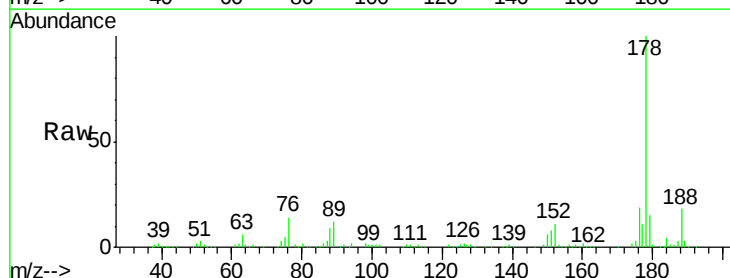


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

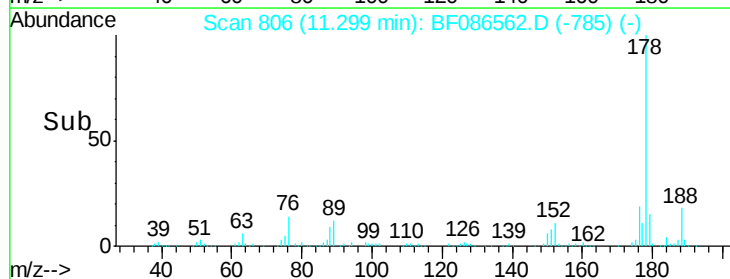
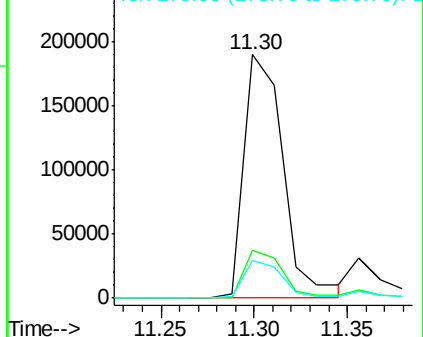


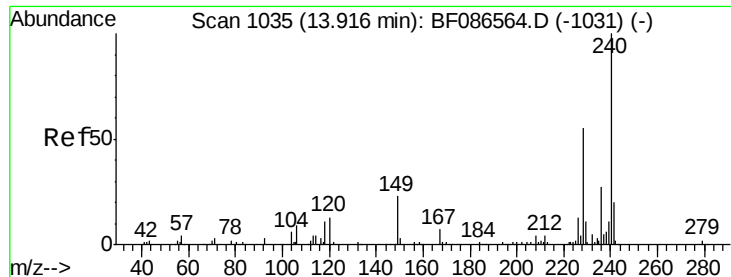
#70
Phenanthrene
Concen: 10.22 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.06 min
Lab File: BF086562.D
Acq: 1 May 2016 10:26

Tgt Ion:178 Resp: 277450
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.3 12.6 18.8



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

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

Instrument :

BNA_F

ClientSampleId :

TEC-B4COMP

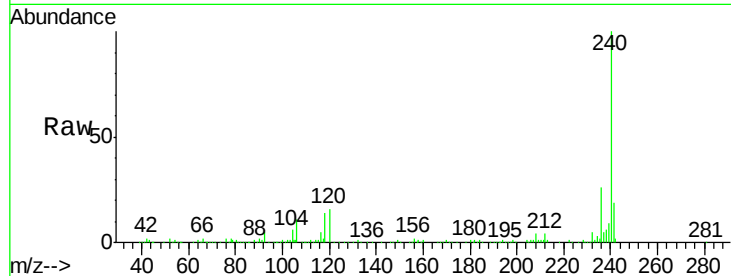
Tot Ion:240 Resp: 345026

Ion Ratio Lower Upper

240 100

120 16.3 11.2 16.8

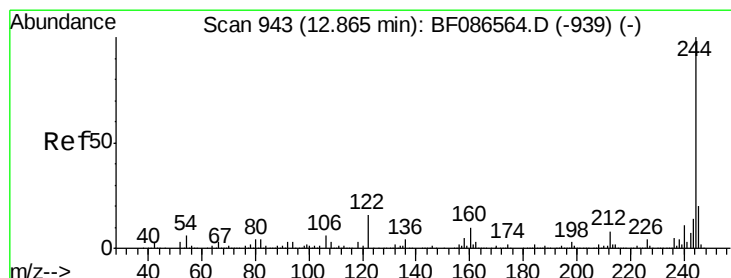
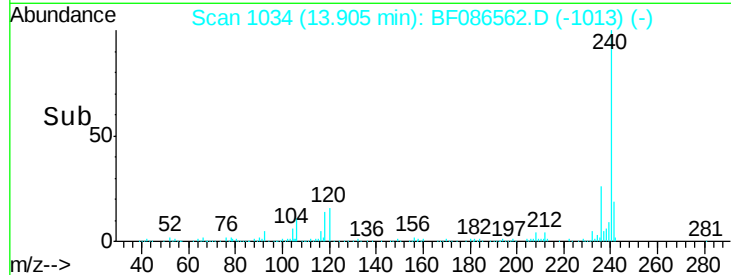
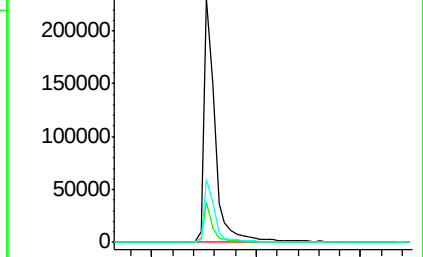
236 26.1 21.2 31.8



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

Terphenyl-d14

Concen: 87.39 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF086562.D

Acq: 1 May 2016 10:26

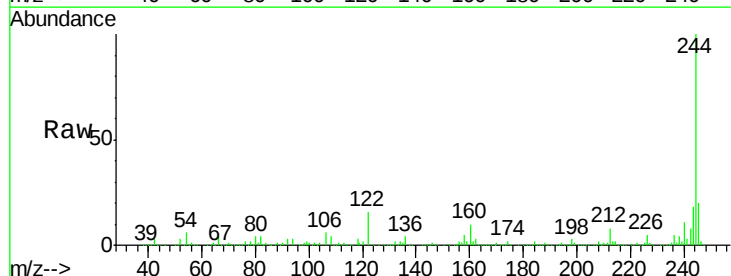
Tgt Ion:244 Resp: 1368542

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

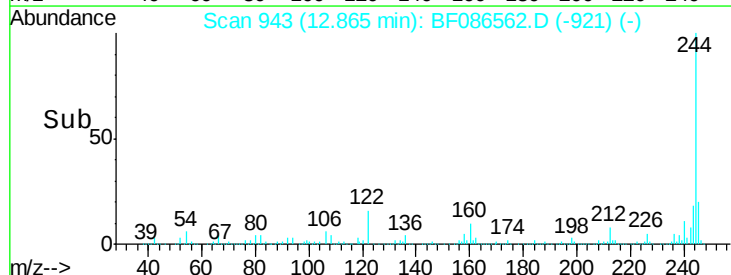
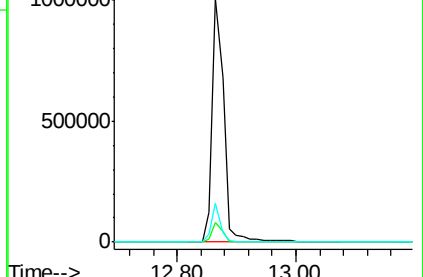
122 16.0 12.0 18.0

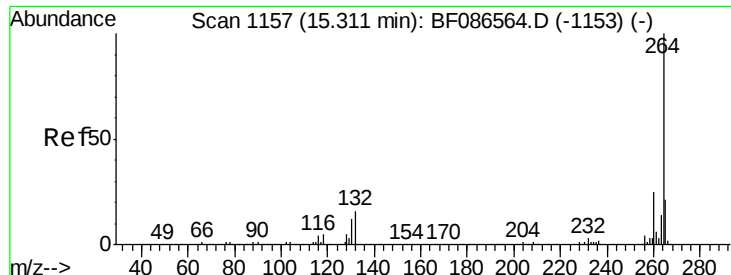


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

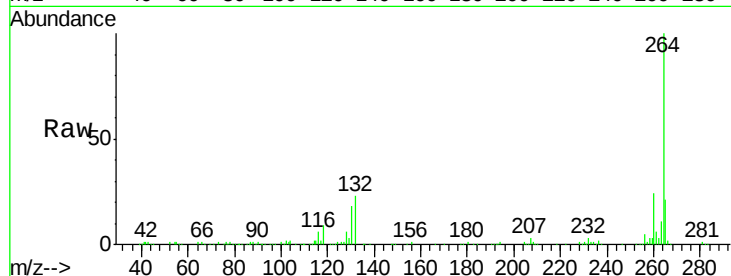




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1156
 Delta R.T. -0.06 min
 Lab File: BF086562.D
 Acq: 1 May 2016 10:26

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B4COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.1	17.3	25.9



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

