

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020717\
 Data File : BF092851.D
 Acq On : 8 Feb 2017 4:06
 Operator : SJ/MA
 Sample : I1728-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMP

Quant Time: Feb 08 04:34:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 23:52:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	143313	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	591774	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	284798	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	407097	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	333214	20.00	ng	-0.01
86) Perylene-d12	15.52	264	277924	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1134414	135.80	ng	0.02
7) Phenol-d6	6.54	99	1165337	108.42	ng	0.00
23) Nitrobenzene-d5	7.47	82	899090	84.61	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	282684	137.24	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1425695	90.69	ng	0.00
78) Terphenyl-d14	13.01	244	1056741	74.52	ng	-0.01

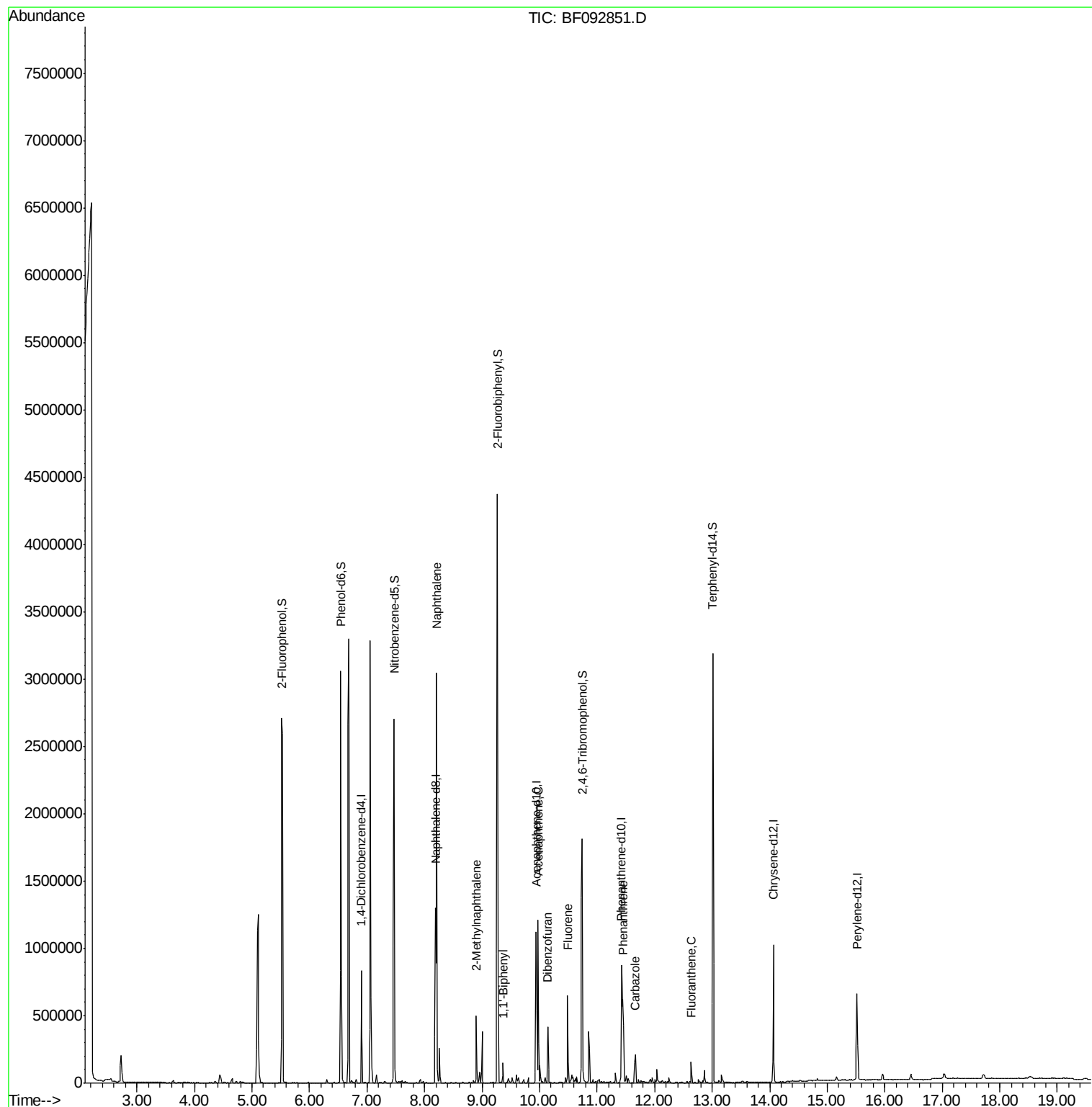
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.21	128	1306465	43.55	ng	99
37) 2-Methylnaphthalene	8.90	142	129055	6.70	ng	98
45) 1,1'-Biphenyl	9.37	154	49794	2.41	ng	99
51) Acenaphthene	9.97	154	271444	16.29	ng	97
54) Dibenzofuran	10.14	168	162787	7.30	ng	96
57) Fluorene	10.49	166	181047	10.56	ng	97
70) Phenanthrene	11.45	178	310922	13.33	ng	98
72) Carbazole	11.66	167	108649	4.85	ng	95
74) Fluoranthene	12.64	202	69822	2.90	ng	97

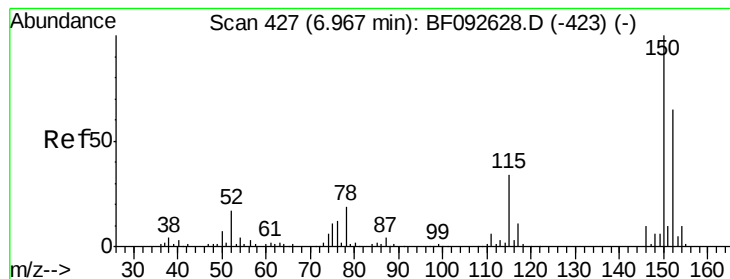
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020717\
Data File : BF092851.D
Acq On : 8 Feb 2017 4:06
Operator : SJ/MA
Sample : I1728-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

Quant Time: Feb 08 04:34:48 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 07 23:52:21 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF092851.D

Acq: 8 Feb 2017 4:06

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

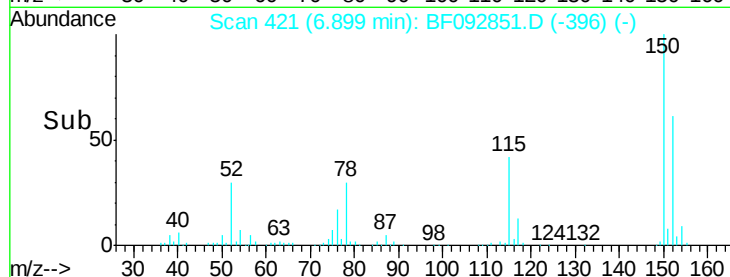
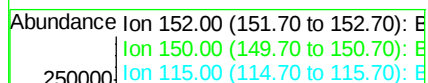
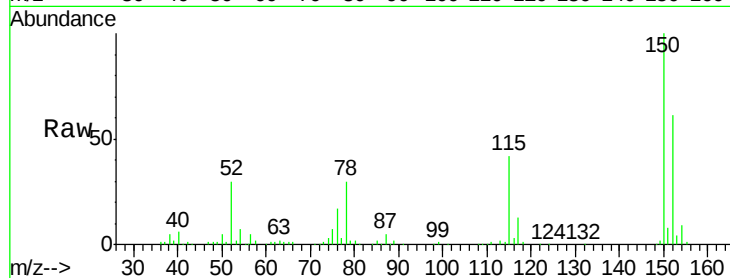
Tot Ion:152 Resp: 143313

Ion Ratio Lower Upper

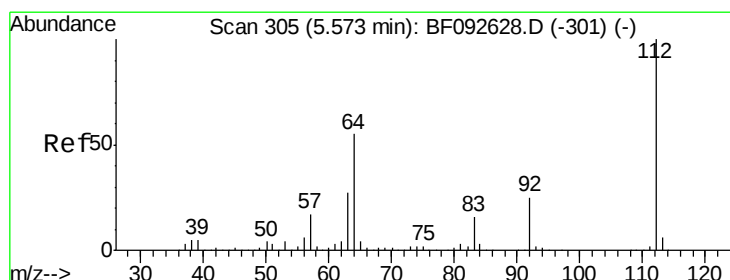
152 100

150 162.9 124.9 187.3

115 68.6 46.0 69.0



Time-->



#5

2-Fluorophenol

Concen: 135.80 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.02 min

Lab File: BF092851.D

Acq: 8 Feb 2017 4:06

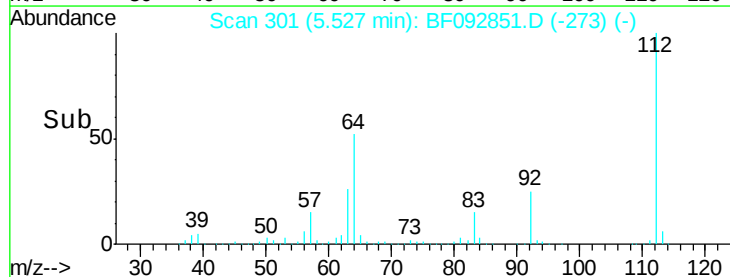
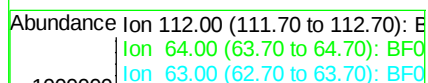
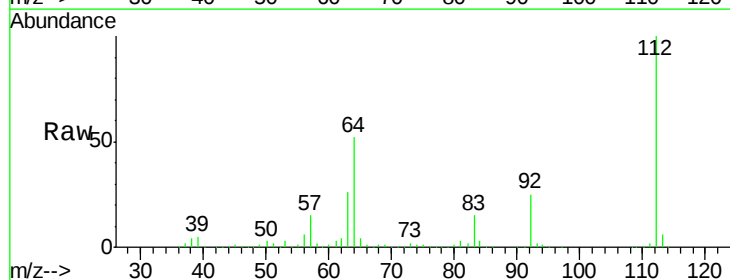
Tgt Ion:112 Resp: 1134414

Ion Ratio Lower Upper

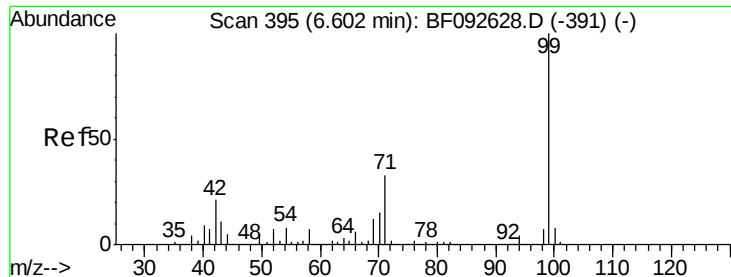
112 100

64 52.0 46.1 69.1

63 25.6 23.8 35.6



Time-->



#7

Phenol-d6

Concen: 108.42 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF092851.D

Acq: 8 Feb 2017 4:06

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

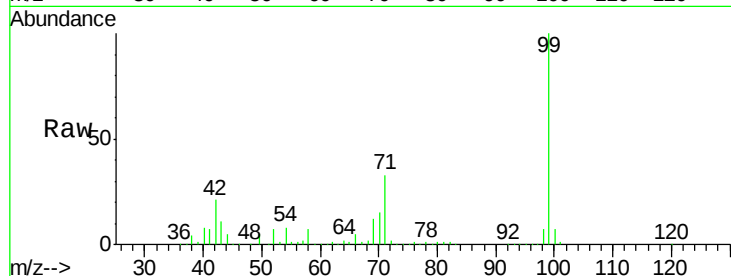
Tot Ion: 99 Resp: 1165337

Ion	Ratio	Lower	Upper
99	100		
42	20.6	15.6	23.4
71	33.1	27.5	41.3

99 100

42 20.6 15.6 23.4

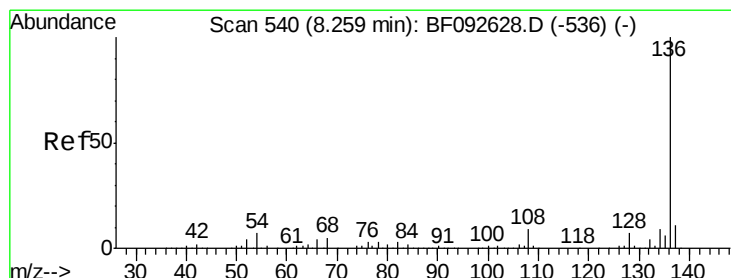
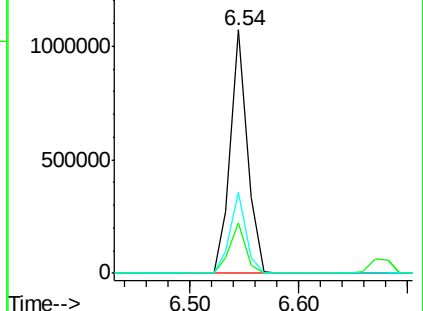
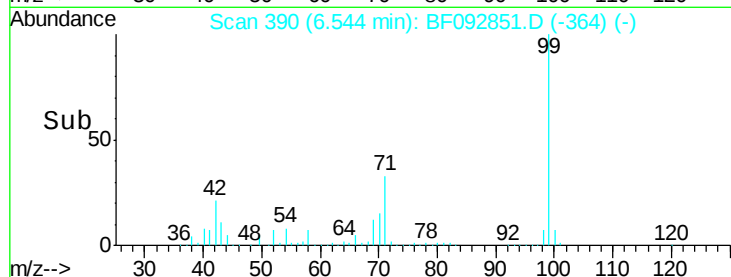
71 33.1 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF092851.D

Acq: 8 Feb 2017 4:06

Tgt Ion: 136 Resp: 591774

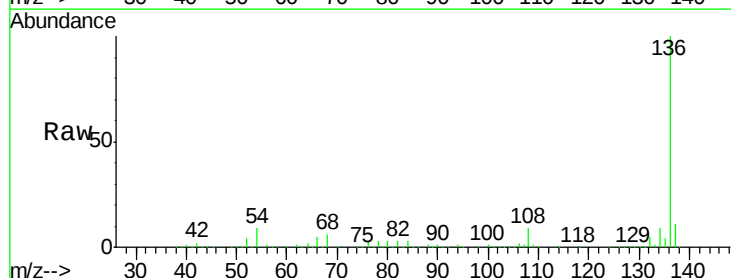
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	9.1	4.5	6.7#
68	6.4	3.6	5.4#

136 100

137 10.9 8.4 12.6

54 9.1 4.5 6.7#

68 6.4 3.6 5.4#

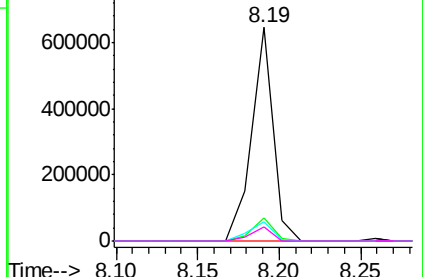
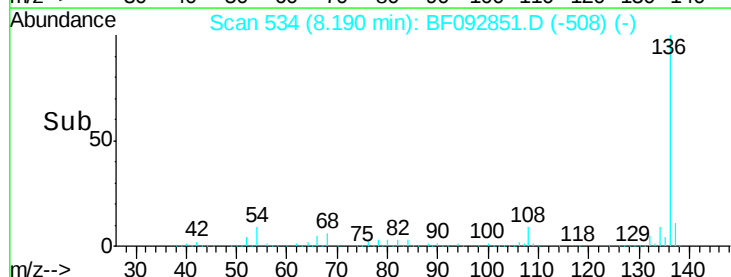


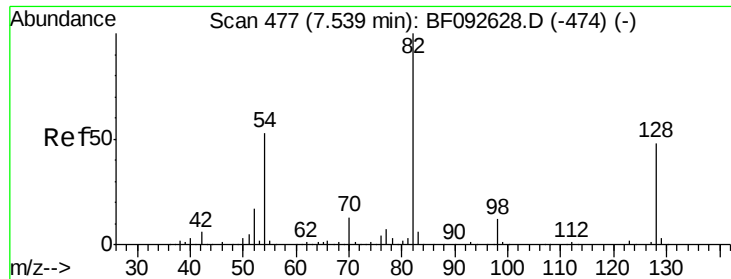
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

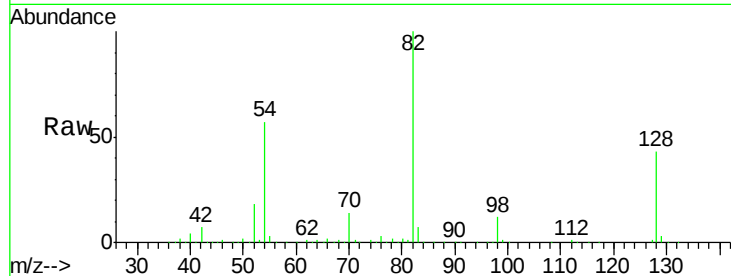




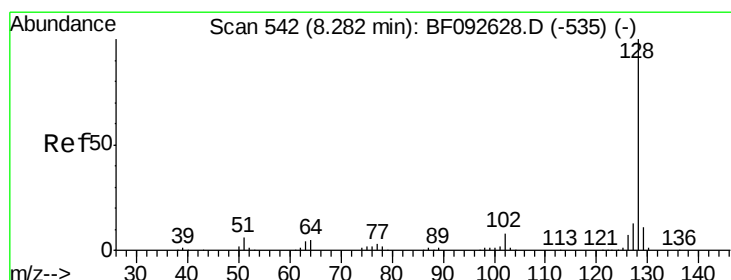
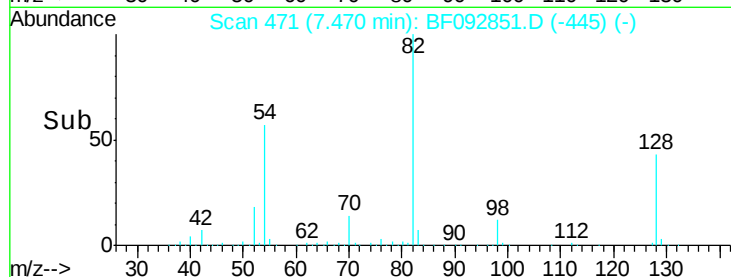
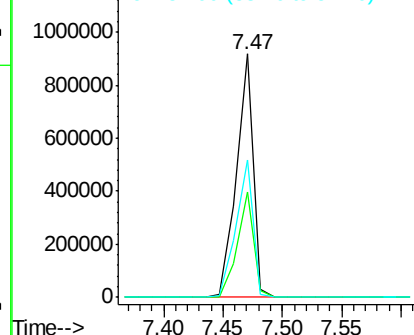
#23
Nitrobenzene-d5
Concen: 84.61 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.00 min
Lab File: BF092851.D
Acq: 8 Feb 2017 4:06

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

Tot Ion: 82 Resp: 899090
Ion Ratio Lower Upper
82 100
128 43.5 34.6 52.0
54 56.6 39.5 59.3

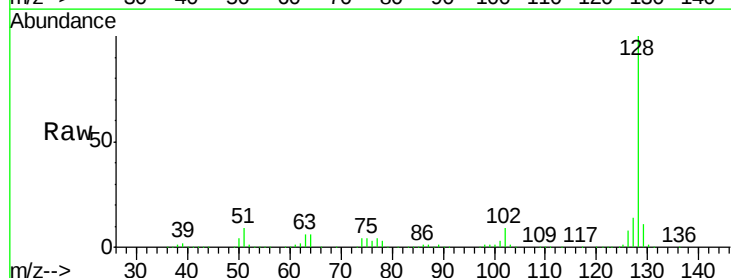


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

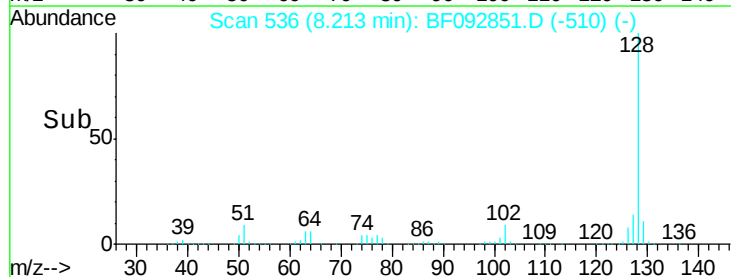
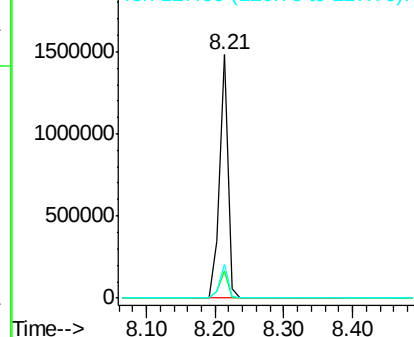


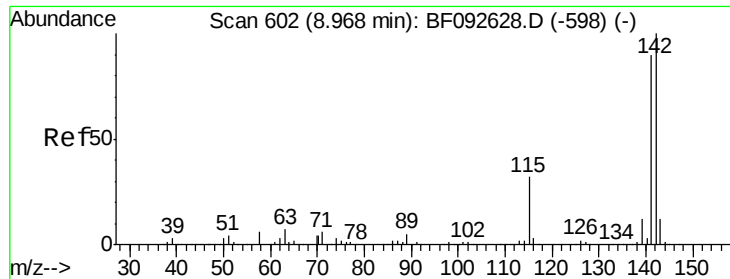
#31
Naphthalene
Concen: 43.55 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.00 min
Lab File: BF092851.D
Acq: 8 Feb 2017 4:06

Tgt Ion:128 Resp: 1306465
Ion Ratio Lower Upper
128 100
129 11.2 9.5 14.3
127 13.8 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

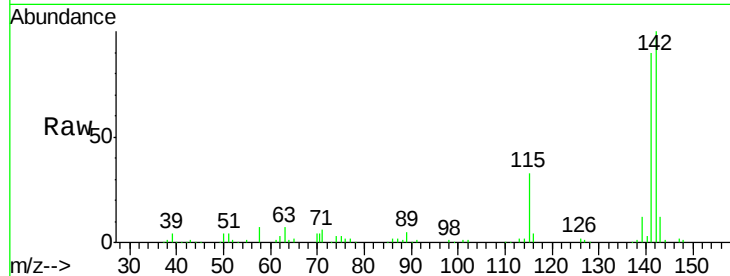




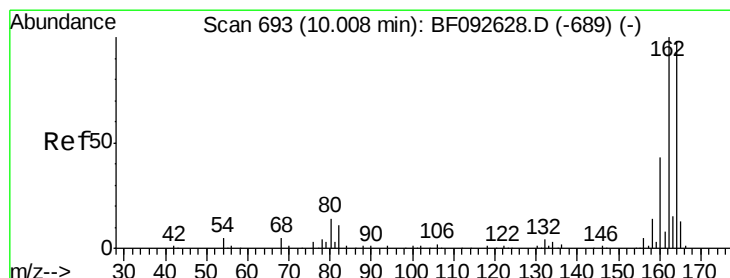
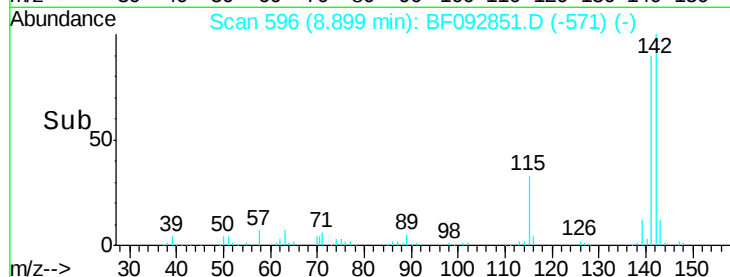
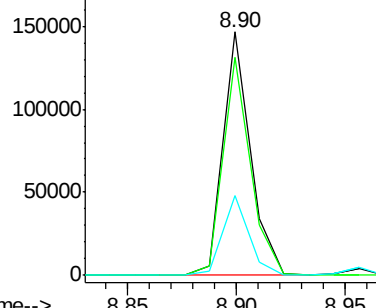
#37
2-Methylnaphthalene
Concen: 6.70 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF092851.D
Acq: 8 Feb 2017 4:06

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.0	106.6
115	33.0	28.3	42.5

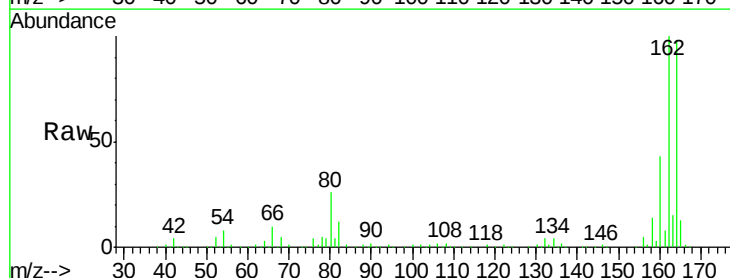


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

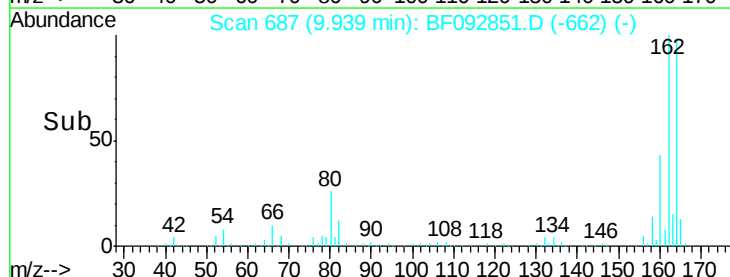
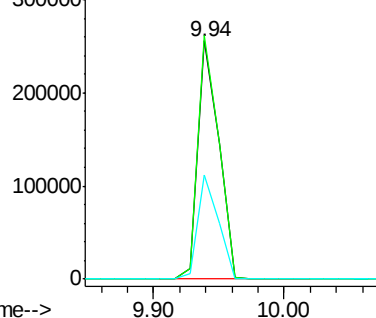


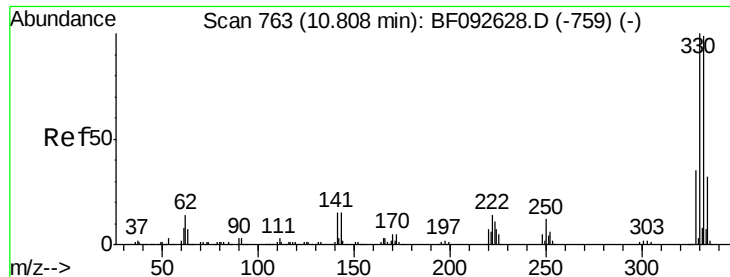
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF092851.D
Acq: 8 Feb 2017 4:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.2	120.2
160	43.6	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

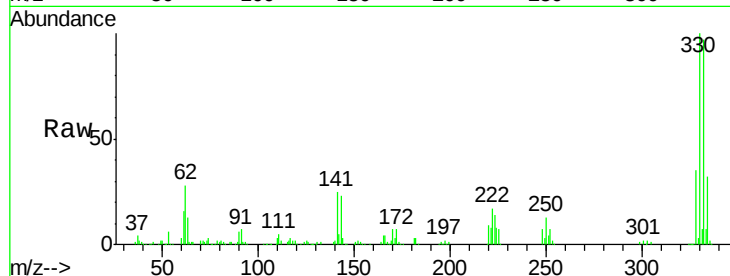




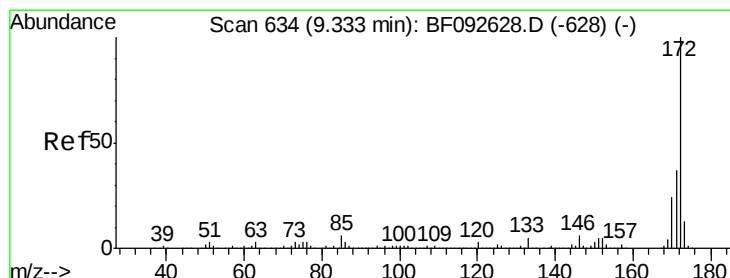
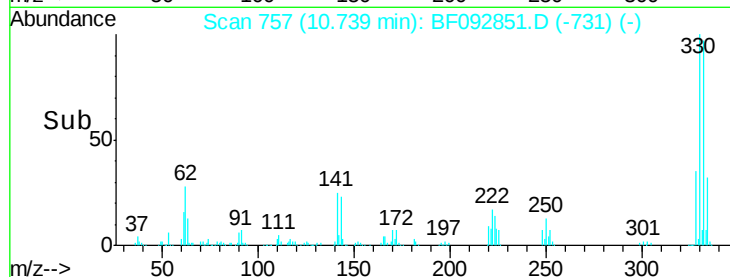
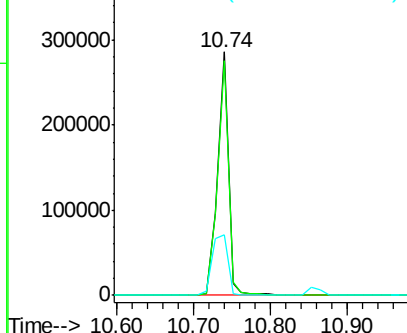
#41
 2,4,6-Tribromophenol
 Concen: 137.24 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: BF092851.D
 Acq: 8 Feb 2017 4:06

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMP

Tot Ion:330 Resp: 282684
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.2
 141 35.9 34.1 51.1

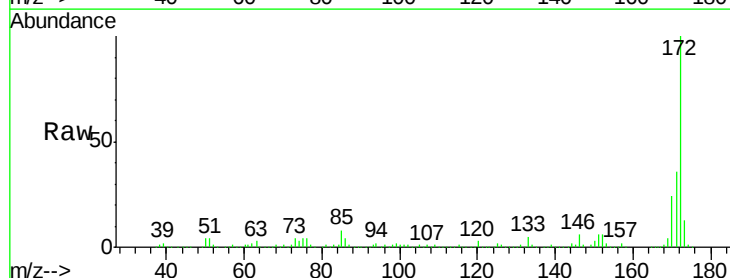


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

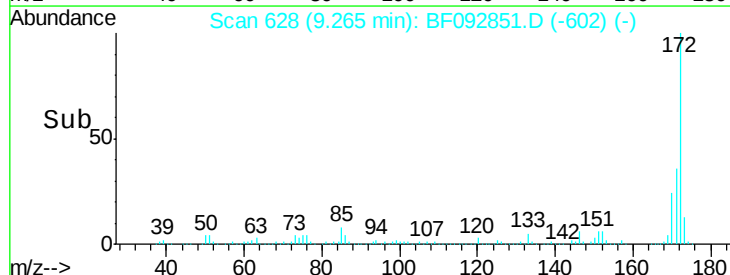
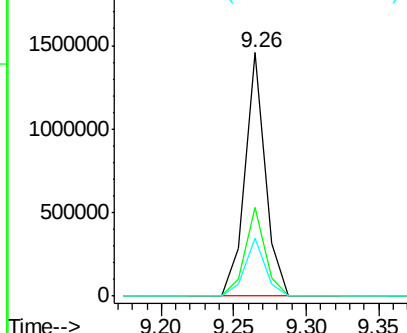


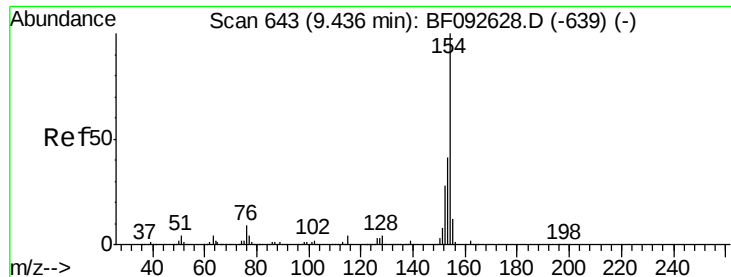
#44
 2-Fluorobiphenyl
 Concen: 90.69 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF092851.D
 Acq: 8 Feb 2017 4:06

Tgt Ion:172 Resp: 1425695
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 23.9 20.2 30.4



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: 2.41 ng

RT: 9.37 min Scan# 637

Delta R.T. -0.00 min

Lab File: BF092851.D

Acq: 8 Feb 2017 4:06

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

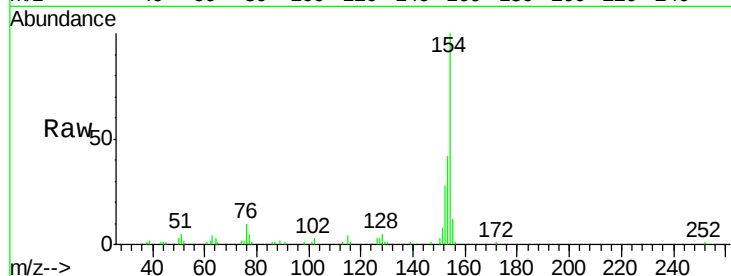
Tot Ion:154 Resp: 49794

Ion Ratio Lower Upper

154 100

153 41.7 20.9 60.9

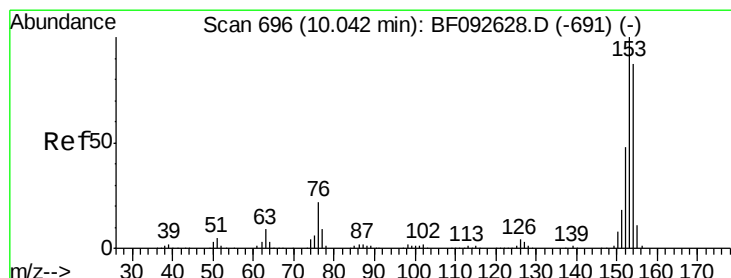
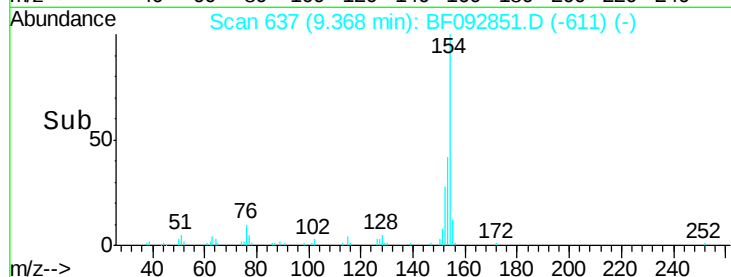
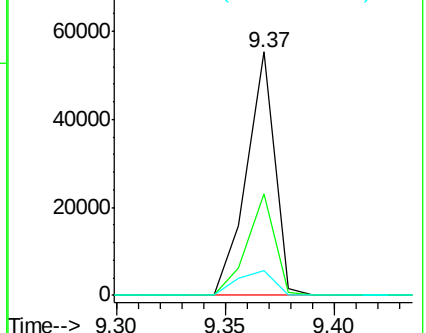
76 10.1 0.0 30.5



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



#51

Acenaphthene

Concen: 16.29 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF092851.D

Acq: 8 Feb 2017 4:06

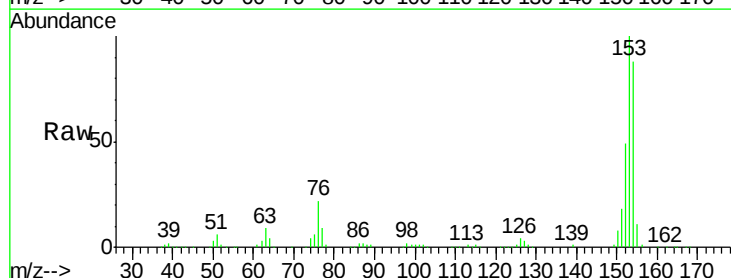
Tgt Ion:154 Resp: 271444

Ion Ratio Lower Upper

154 100

153 113.4 88.6 133.0

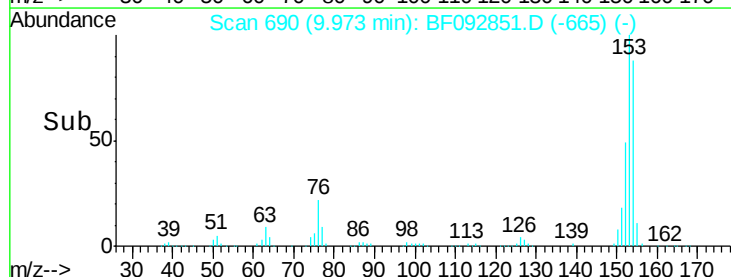
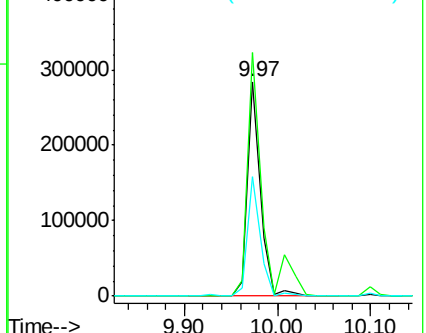
152 55.6 41.6 62.4

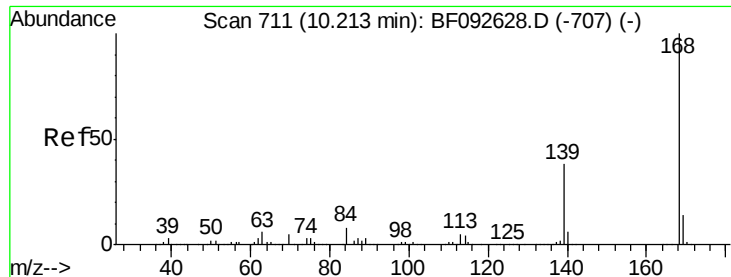


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

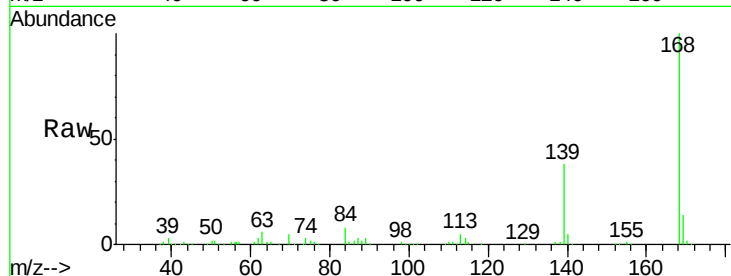




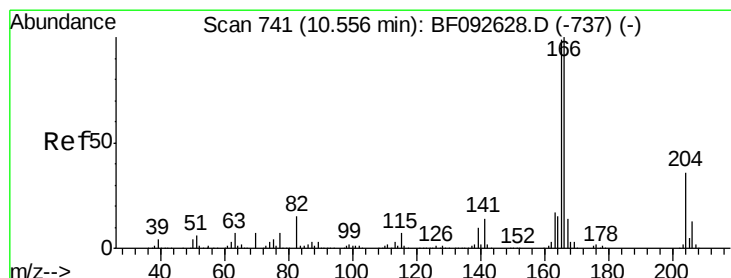
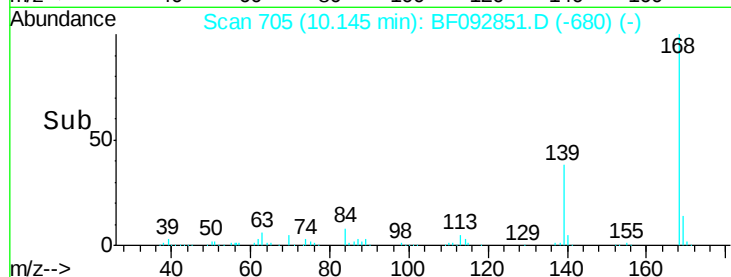
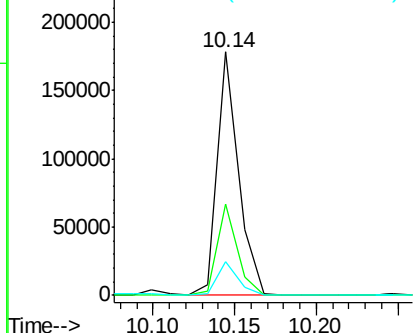
#54
Dibenzenofuran
Concen: 7.30 ng
RT: 10.14 min Scan# 705
Delta R.T. -0.01 min
Lab File: BF092851.D
Acq: 8 Feb 2017 4:06

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

Tot Ion:168 Resp: 162787
Ion Ratio Lower Upper
168 100
139 37.6 32.6 49.0
169 13.6 11.3 16.9

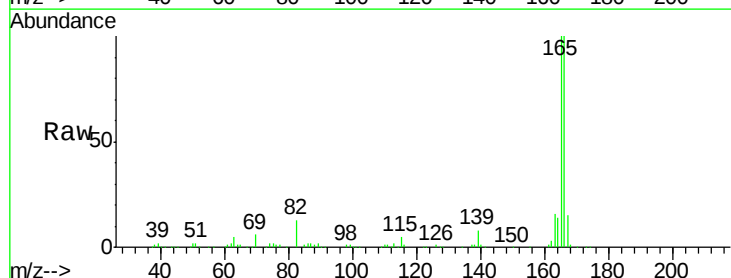


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

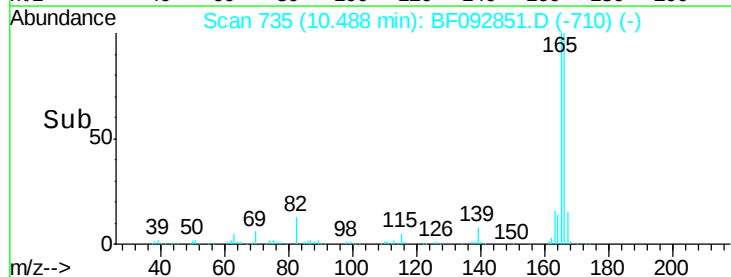
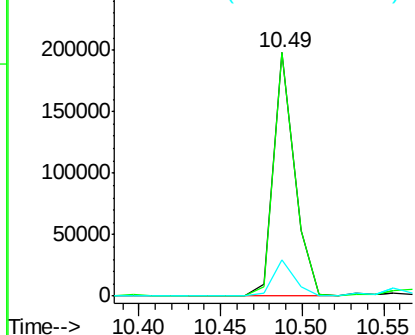


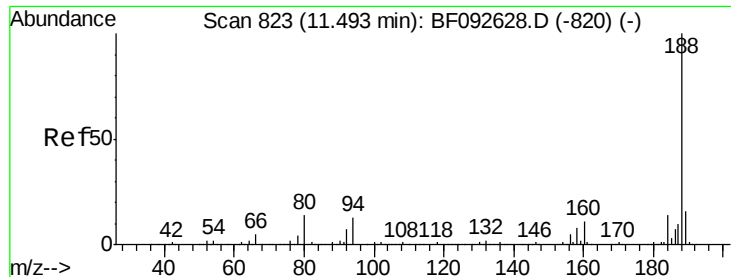
#57
Fluorene
Concen: 10.56 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF092851.D
Acq: 8 Feb 2017 4:06

Tgt Ion:166 Resp: 181047
Ion Ratio Lower Upper
166 100
165 99.9 77.8 116.8
167 14.7 10.8 16.2



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

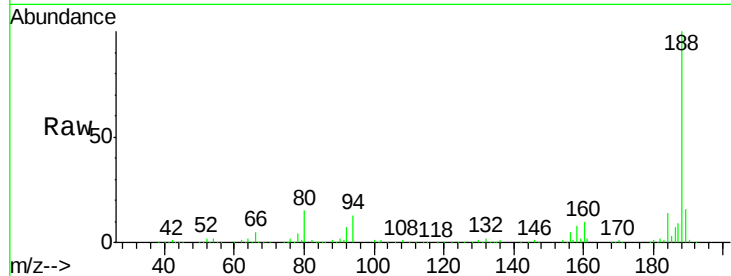




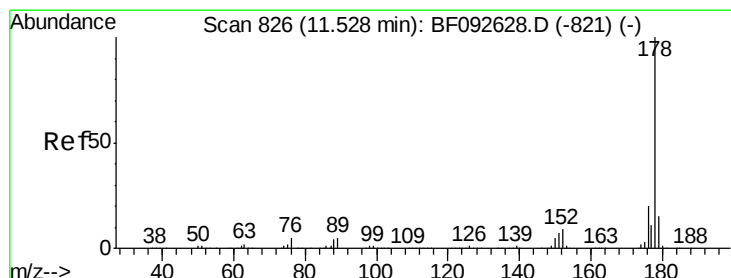
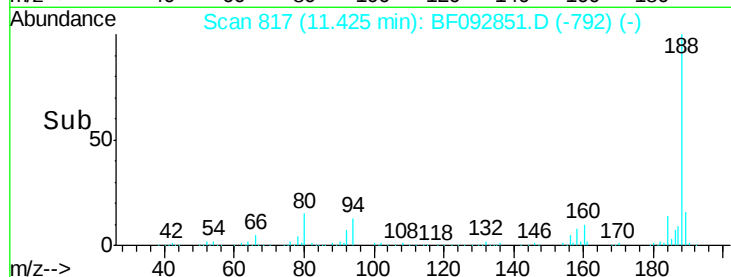
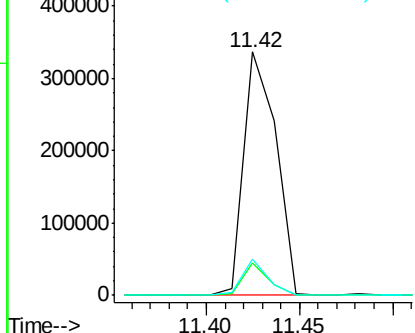
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF092851.D
Acq: 8 Feb 2017 4:06

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

Tot Ion:188 Resp: 407097
Ion Ratio Lower Upper
188 100
94 13.1 10.0 15.0
80 14.7 11.2 16.8

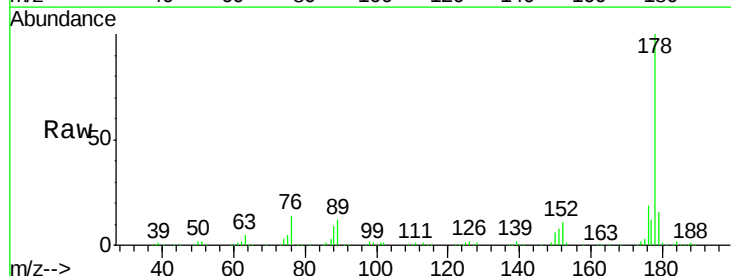


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

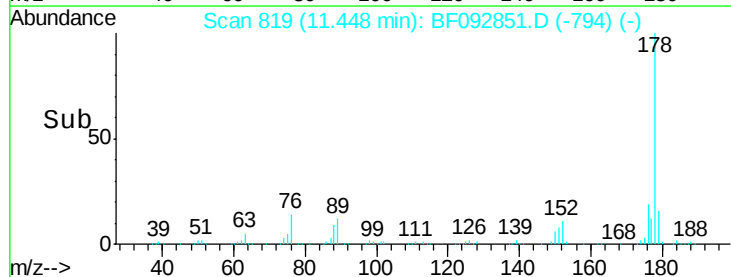
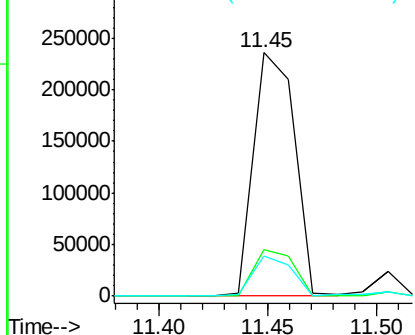


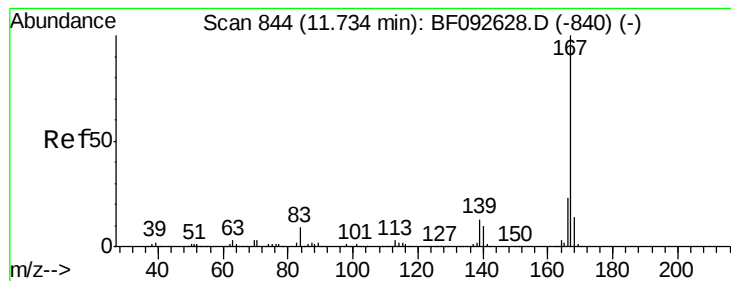
#70
Phenanthrene
Concen: 13.33 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF092851.D
Acq: 8 Feb 2017 4:06

Tgt Ion:178 Resp: 310922
Ion Ratio Lower Upper
178 100
176 19.0 16.6 25.0
179 16.2 12.8 19.2



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





#72

Carbazole

Concen: 4.85 ng

RT: 11.66 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF092851.D

Acq: 8 Feb 2017 4:06

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

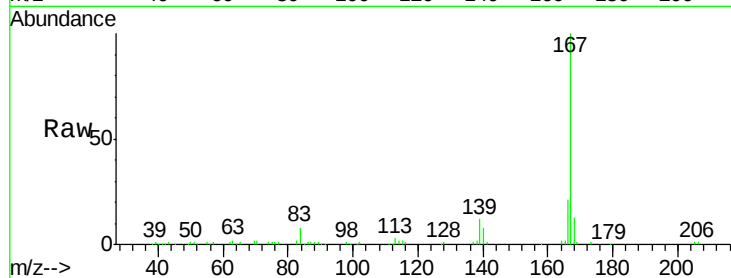
Tot Ion:167 Resp: 108649

Ion Ratio Lower Upper

167 100

166 20.9 18.2 27.2

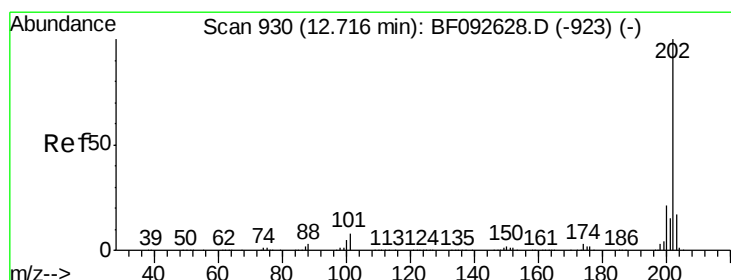
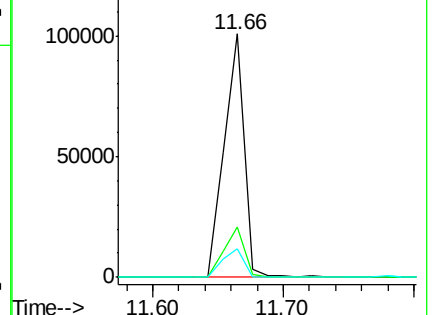
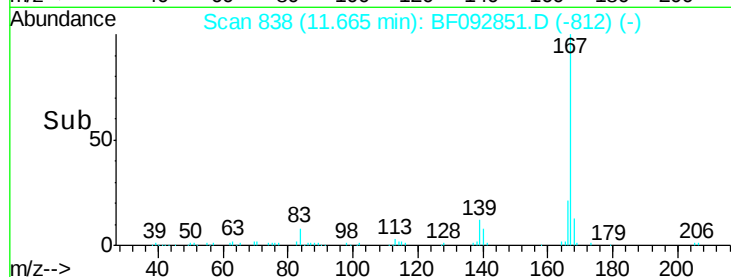
139 11.8 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 2.90 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF092851.D

Acq: 8 Feb 2017 4:06

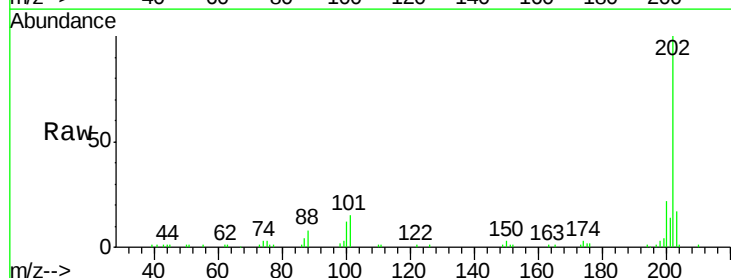
Tgt Ion:202 Resp: 69822

Ion Ratio Lower Upper

202 100

101 15.2 0.0 34.6

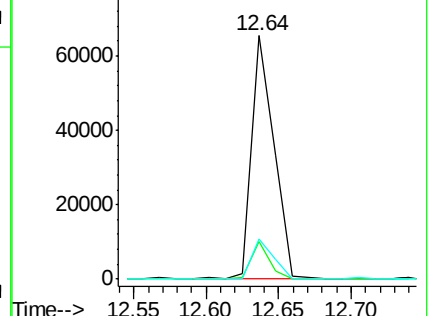
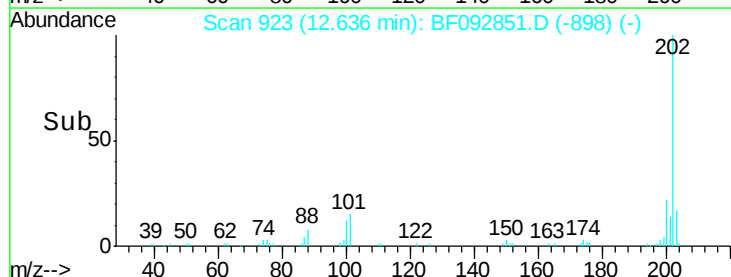
203 16.6 0.0 38.7

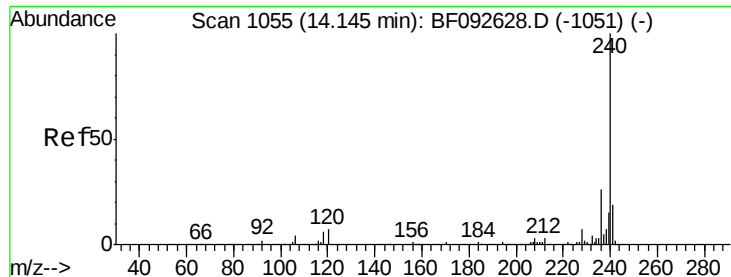


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF092851.D

Acq: 8 Feb 2017 4:06

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMP

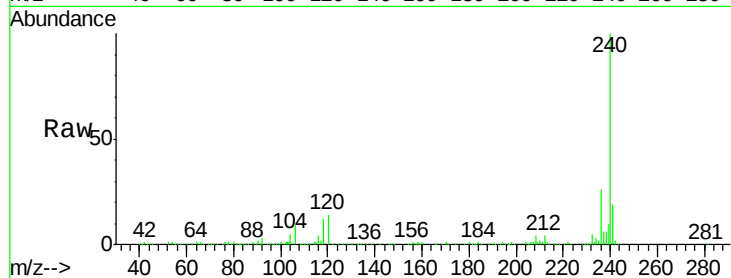
Tot Ion:240 Resp: 333214

Ion Ratio Lower Upper

240 100

120 13.9 12.9 19.3

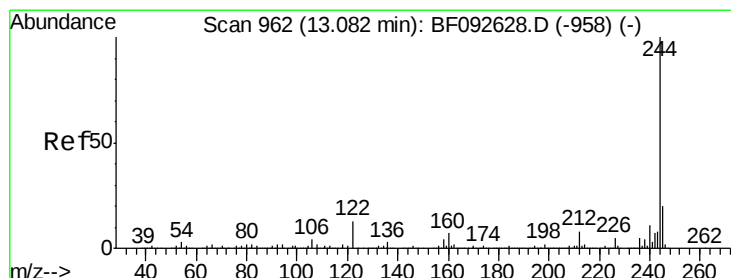
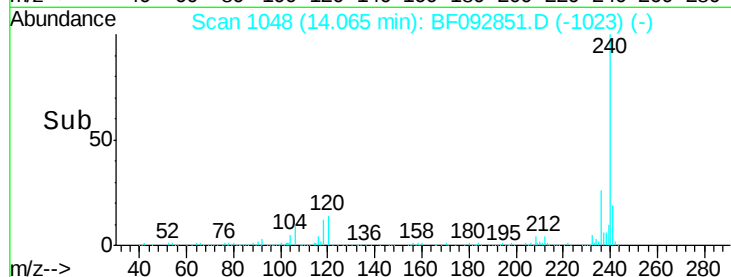
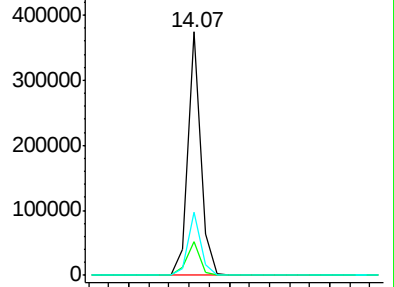
236 25.8 20.9 31.3



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



#78

Terphenyl-d14

Concen: 74.52 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF092851.D

Acq: 8 Feb 2017 4:06

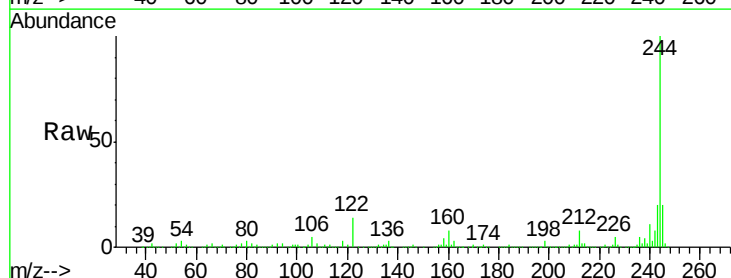
Tgt Ion:244 Resp: 1056741

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

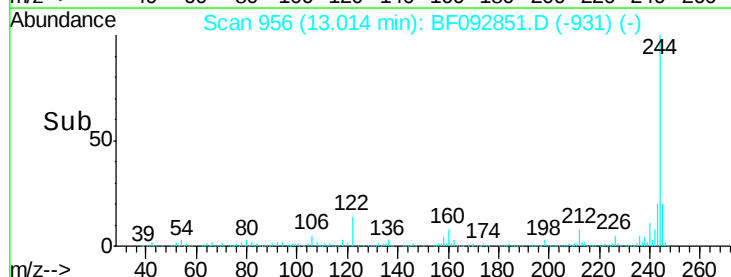
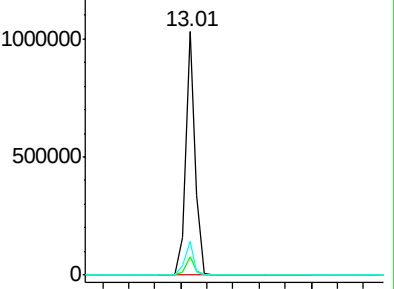
122 14.1 11.4 17.2

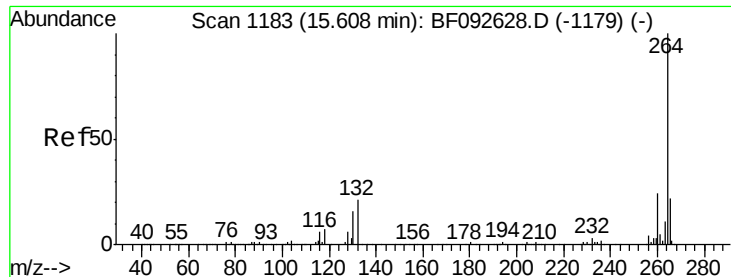


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

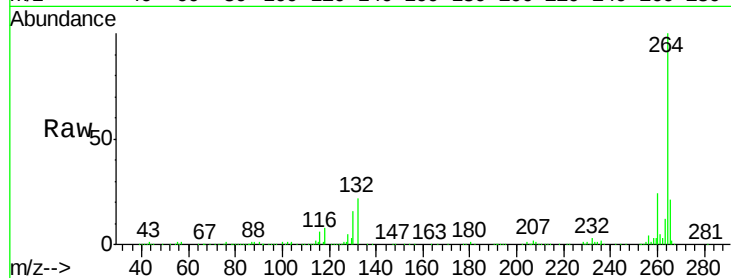




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF092851.D
Acq: 8 Feb 2017 4:06

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMP

Tot Ion: 264 Resp: 277924
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.2 17.4 26.0



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

