

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030216\
 Data File : BF085152.D
 Acq On : 3 Mar 2016 6:29
 Operator : SJ/IZ
 Sample : H1632-01
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 40054(0-2)

Quant Time: Mar 03 07:15:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 13:25:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	193154	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	801721	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	374654	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	660034	20.00	ng	0.00
75) Chrysene-d12	14.15	240	459510	20.00	ng	0.00
86) Perylene-d12	15.63	264	428159	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	782951	65.81	ng	0.00
7) Phenol-d6	6.61	99	716150	45.91	ng	0.00
23) Nitrobenzene-d5	7.56	82	1513127	100.41	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	640813	170.20	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	2117966	83.26	ng	0.00
78) Terphenyl-d14	13.10	244	1903760	97.19	ng	0.00

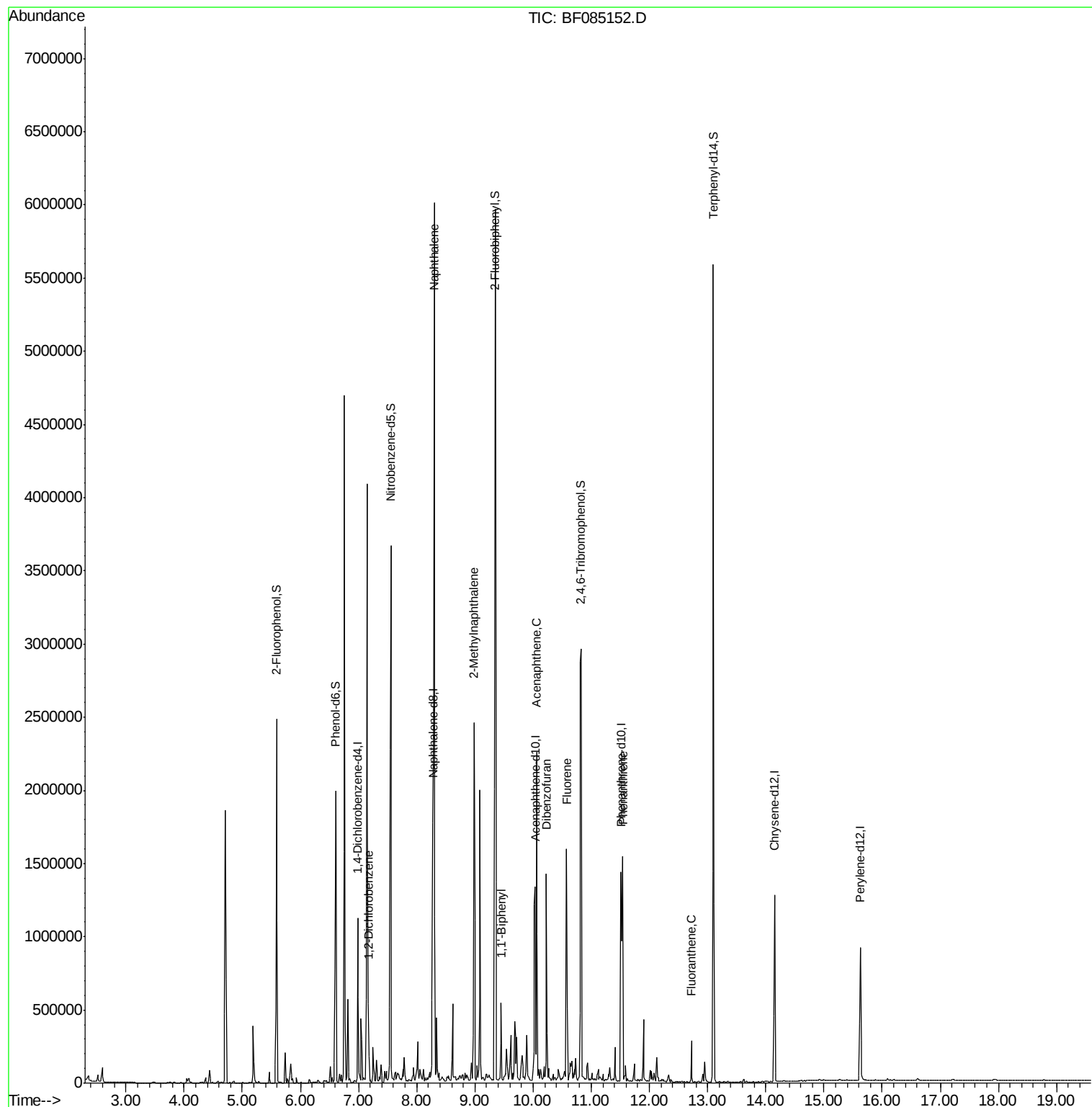
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) 1,2-Dichlorobenzene	7.17	146	36148	2.73	ng	# 91
31) Naphthalene	8.30	128	3012522	74.30	ng	98
37) 2-Methylnaphthalene	8.98	142	784705	31.66	ng	99
45) 1,1'-Biphenyl	9.45	154	198140	5.96	ng	97
51) Acenaphthene	10.06	154	565607	24.99	ng	99
54) Dibenzofuran	10.23	168	529780	18.03	ng	99
57) Fluorene	10.57	166	460626	19.94	ng	99
70) Phenanthrene	11.54	178	874792	26.64	ng	96
74) Fluoranthene	12.72	202	104828	2.91	ng	96

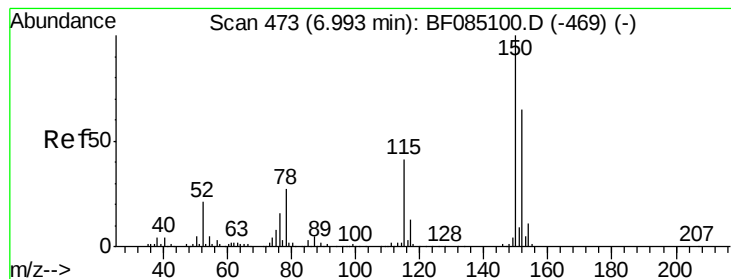
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

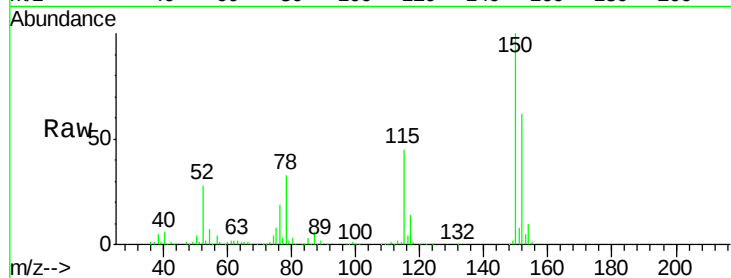
Tgt Ion:152 Resp: 193154

Ion Ratio Lower Upper

152 100

150 161.8 123.4 185.0

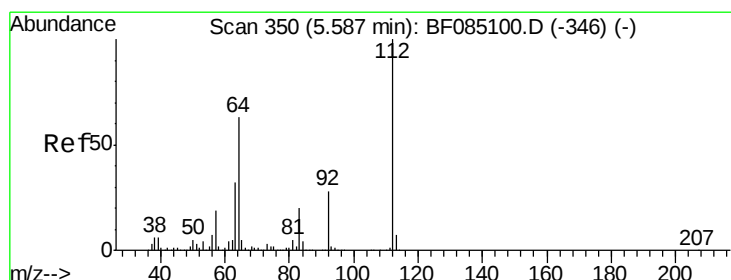
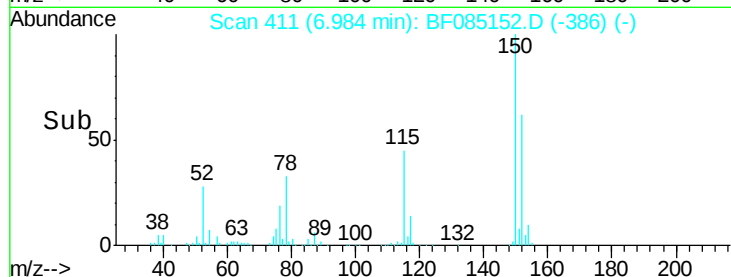
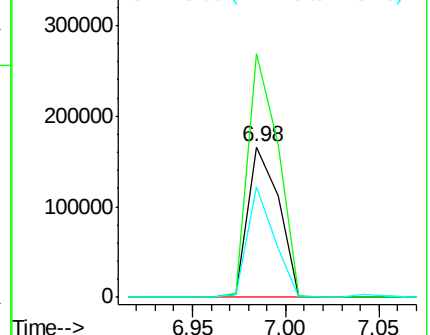
115 73.1 50.0 75.0



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: 65.81 ng

RT: 5.59 min Scan# 289

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

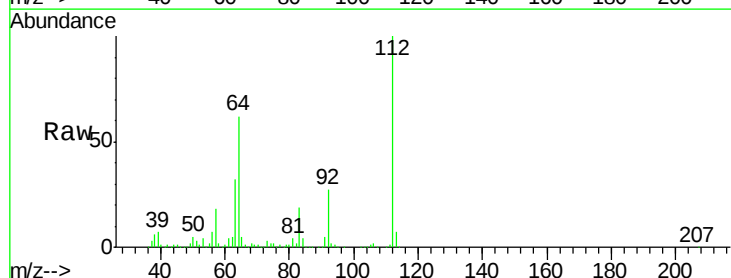
Tgt Ion:112 Resp: 782951

Ion Ratio Lower Upper

112 100

64 61.7 50.6 76.0

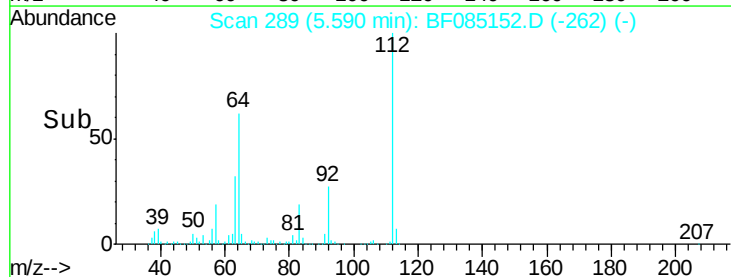
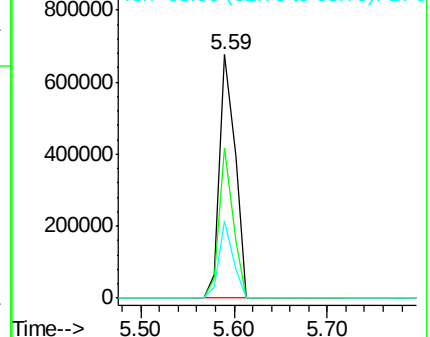
63 31.7 25.5 38.3

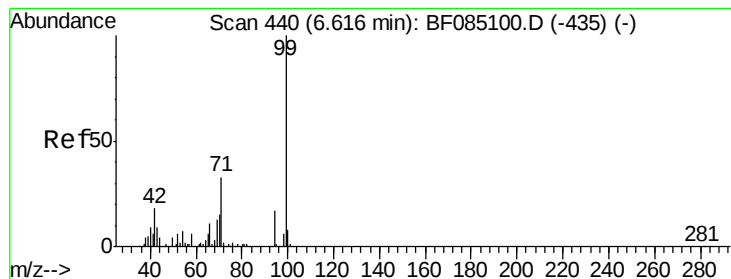


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 45.91 ng

RT: 6.61 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

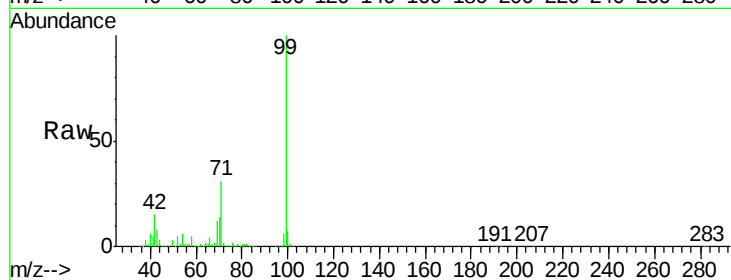
Tgt Ion: 99 Resp: 716150

Ion Ratio Lower Upper

99 100

42 15.0 14.1 21.1

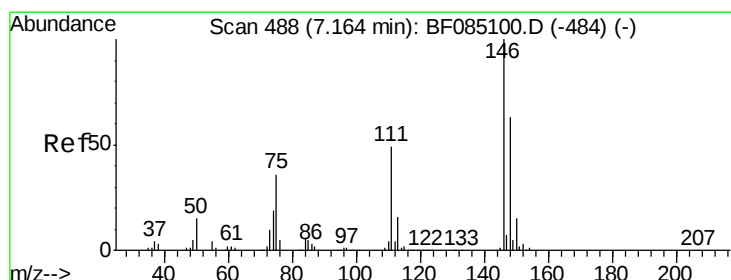
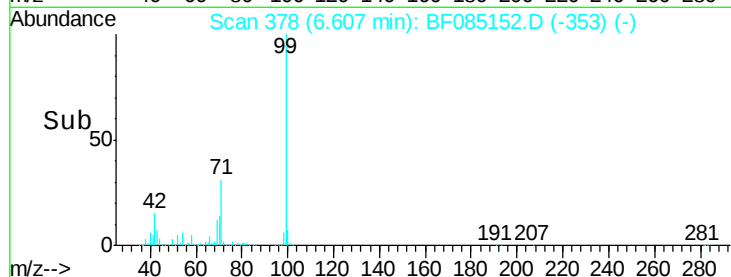
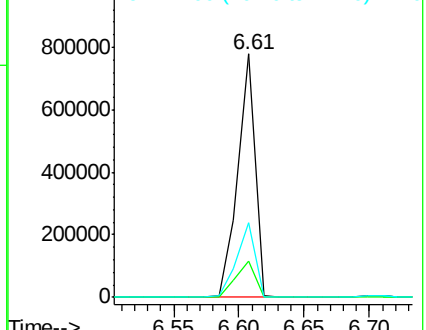
71 30.7 26.8 40.2



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



#14

1,2-Dichlorobenzene

Concen: 2.73 ng

RT: 7.17 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

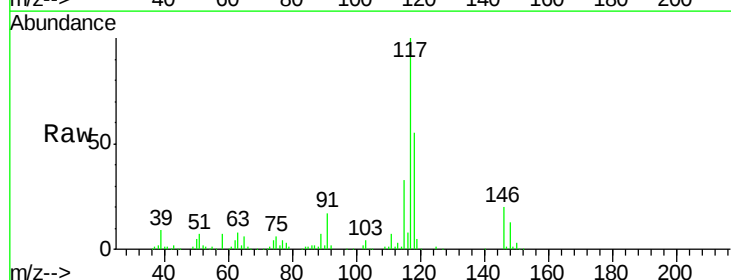
Tgt Ion: 146 Resp: 36148

Ion Ratio Lower Upper

146 100

148 65.8 50.5 75.7

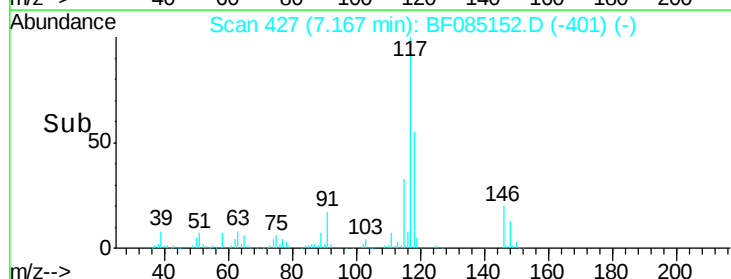
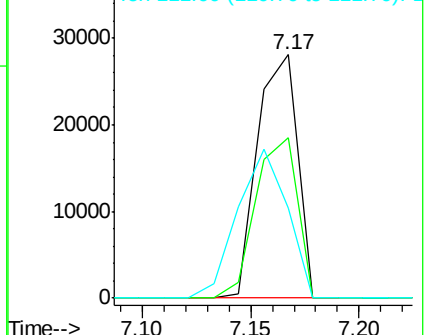
111 37.2 38.9 58.3#

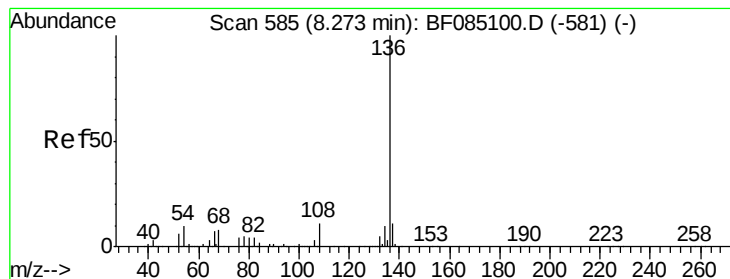


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.28 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

Tgt Ion: 136 Resp: 801721

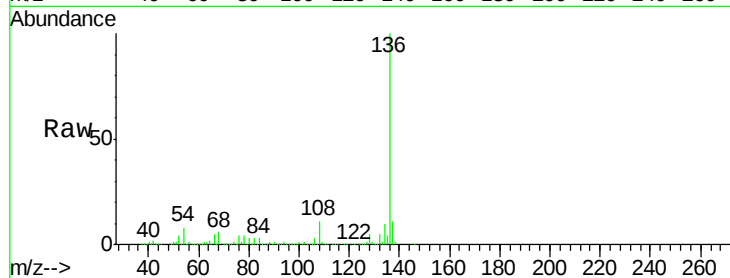
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.2 8.5 12.7#

68 6.5 6.4 9.6

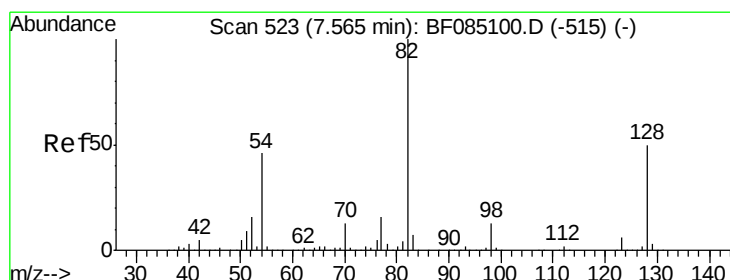
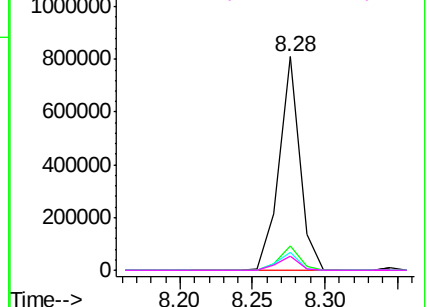
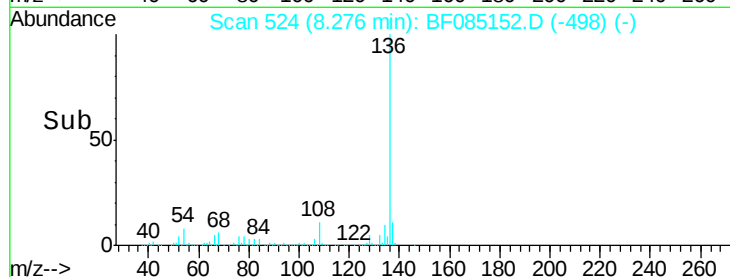


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.41 ng

RT: 7.56 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

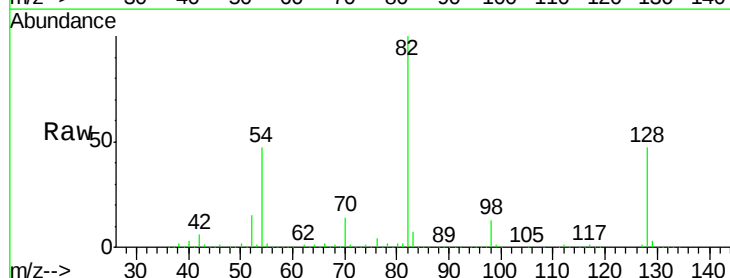
Tgt Ion: 82 Resp: 1513127

Ion Ratio Lower Upper

82 100

128 47.4 39.8 59.6

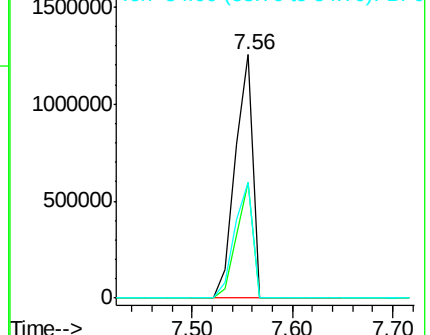
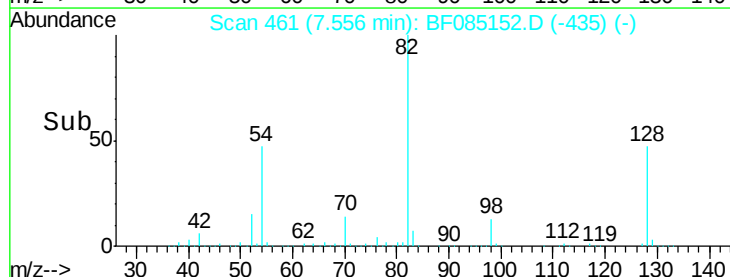
54 47.5 36.6 54.8

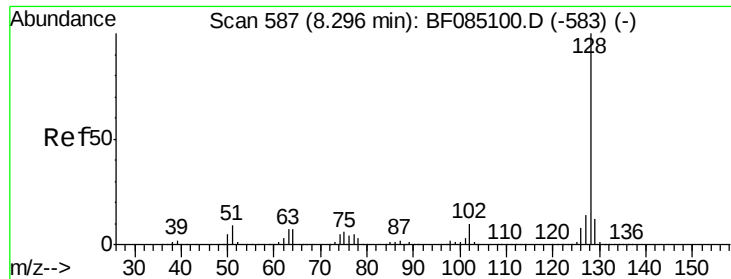


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

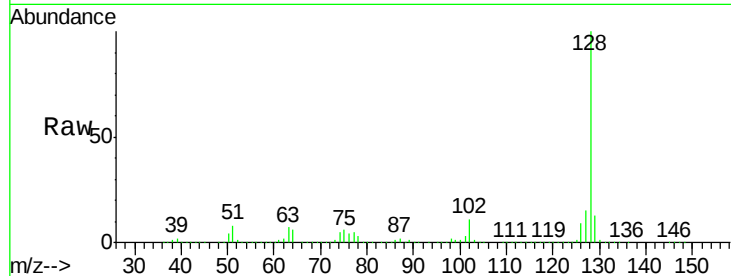




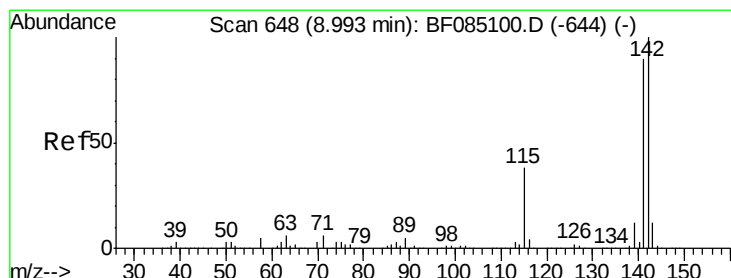
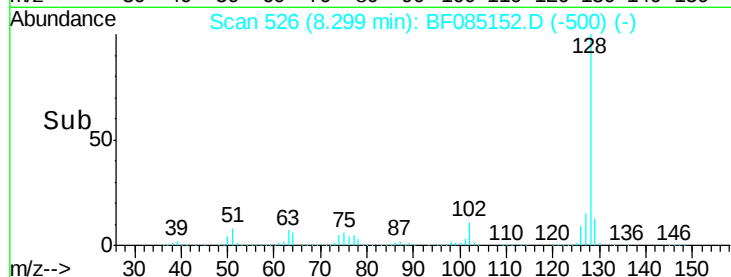
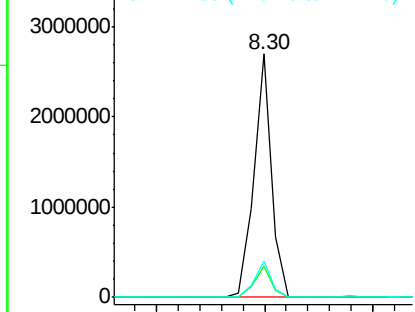
#31
Naphthalene
Concen: 74.30 ng
RT: 8.30 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion:128 Resp: 3012522
Ion Ratio Lower Upper
128 100
129 12.6 9.7 14.5
127 15.1 11.1 16.7

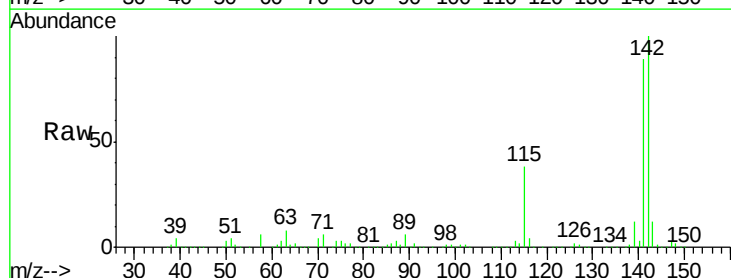


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

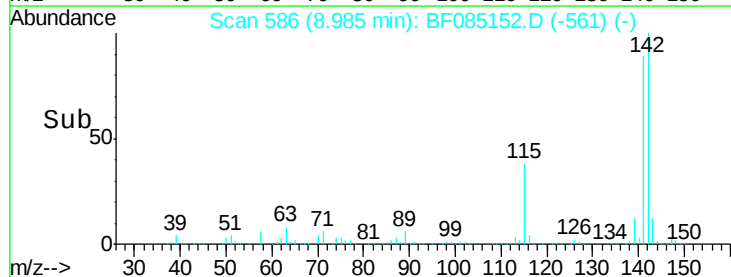
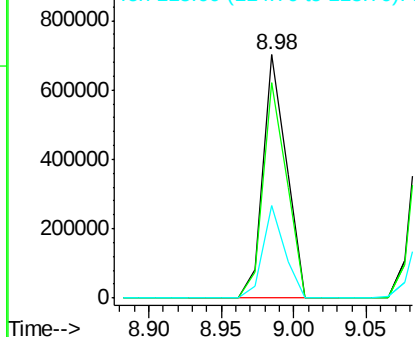


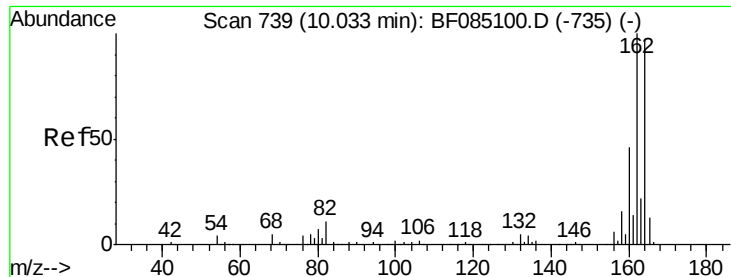
#37
2-Methylnaphthalene
Concen: 31.66 ng
RT: 8.98 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Tgt Ion:142 Resp: 784705
Ion Ratio Lower Upper
142 100
141 88.7 71.7 107.5
115 38.1 30.1 45.1



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: 10.04 min Scan# 678

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

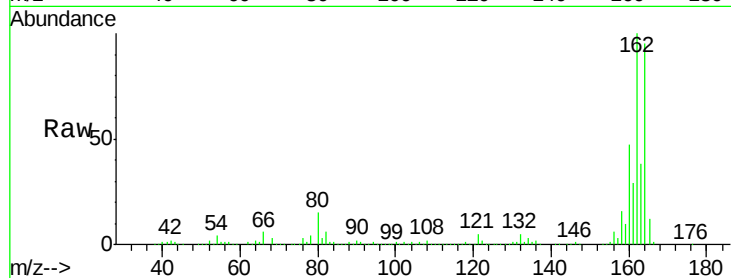
Tgt Ion:164 Resp: 374654

Ion Ratio Lower Upper

164 100

162 105.6 82.6 123.8

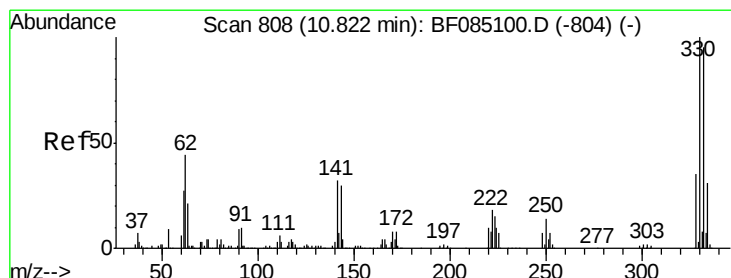
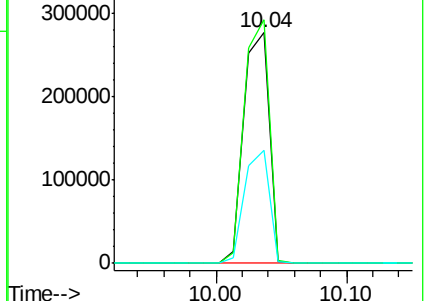
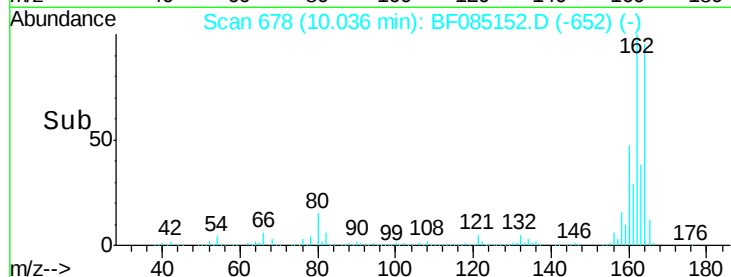
160 49.1 38.2 57.2



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: 170.20 ng

RT: 10.82 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

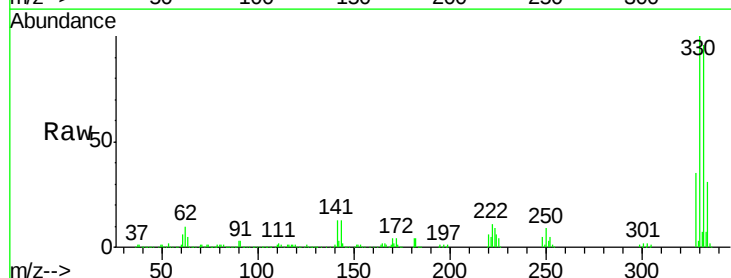
Tgt Ion:330 Resp: 640813

Ion Ratio Lower Upper

330 100

332 96.1 75.9 113.9

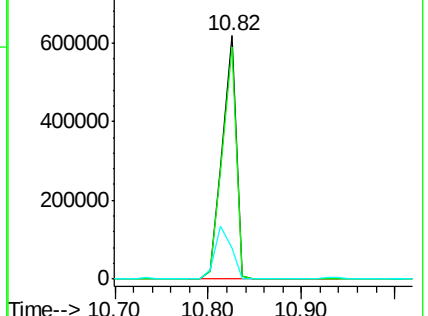
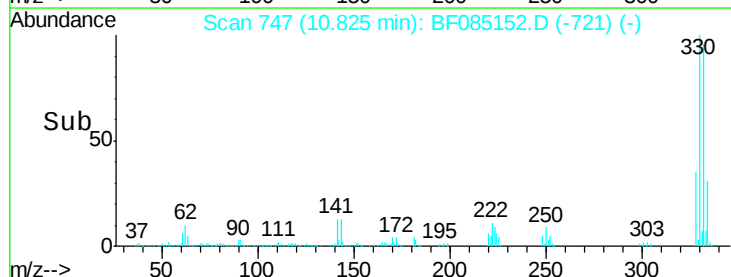
141 26.2 28.9 43.3#

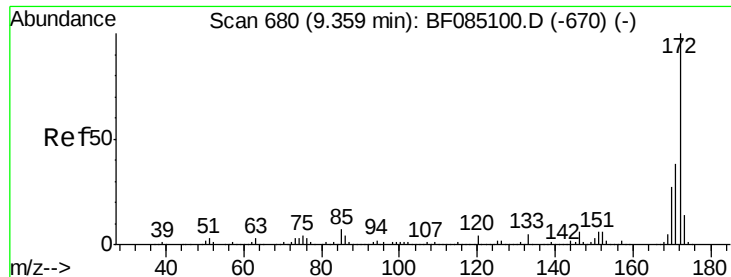


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

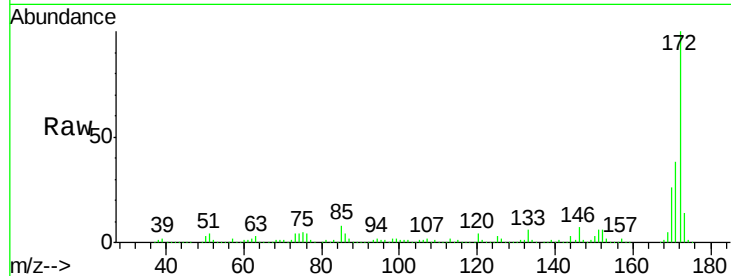




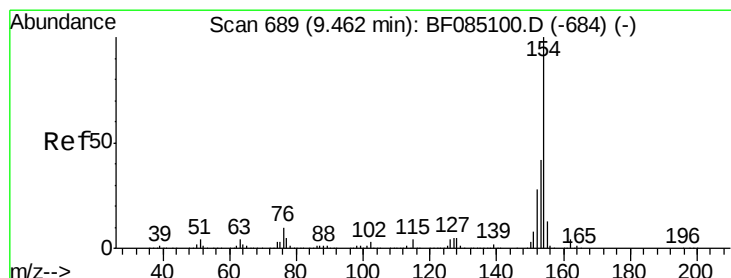
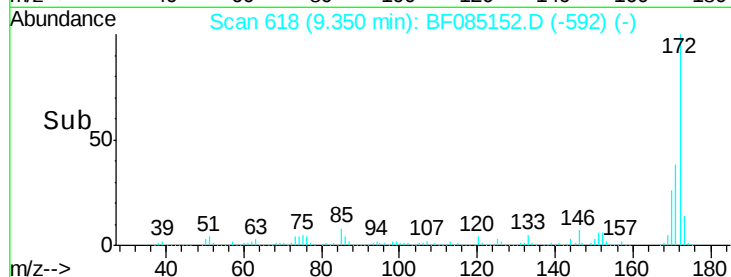
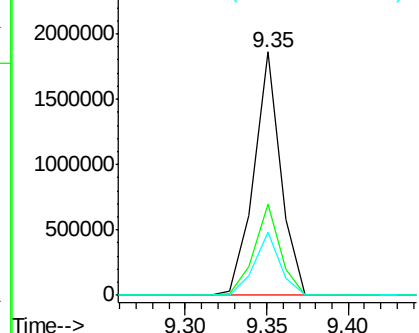
#44
 2-Fluorobiphenyl
 Concen: 83.26 ng
 RT: 9.35 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF085152.D
 Acq: 3 Mar 2016 6:29

Instrument :
 BNA_F
 ClientSampleId :
 40054(0-2)

Tgt Ion:172 Resp: 2117966
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.5 45.7
 170 25.9 21.2 31.8

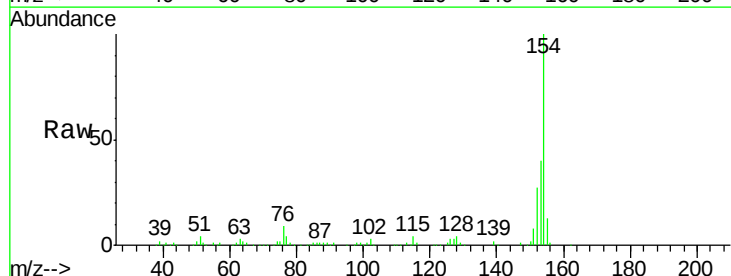


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

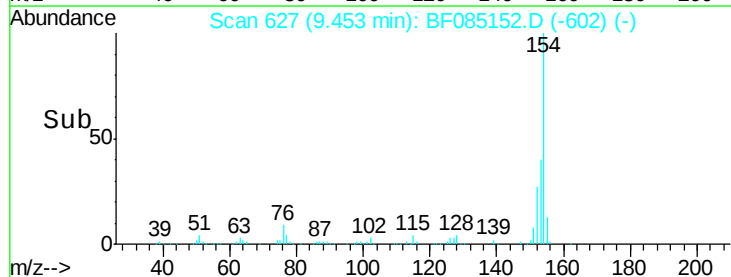
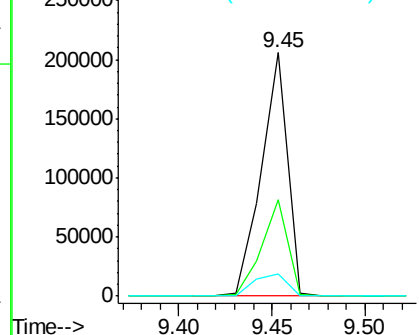


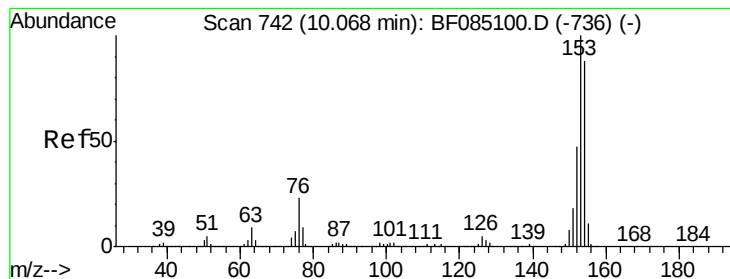
#45
 1,1'-Biphenyl
 Concen: 5.96 ng
 RT: 9.45 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF085152.D
 Acq: 3 Mar 2016 6:29

Tgt Ion:154 Resp: 198140
 Ion Ratio Lower Upper
 154 100
 153 39.6 21.5 61.5
 76 9.0 0.0 29.7



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: 24.99 ng

RT: 10.06 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

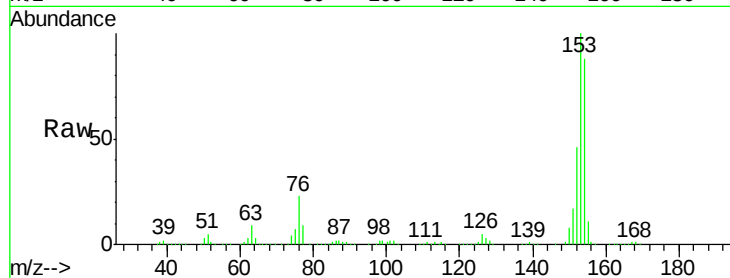
Tgt Ion:154 Resp: 565607

Ion Ratio Lower Upper

154 100

153 113.0 91.0 136.6

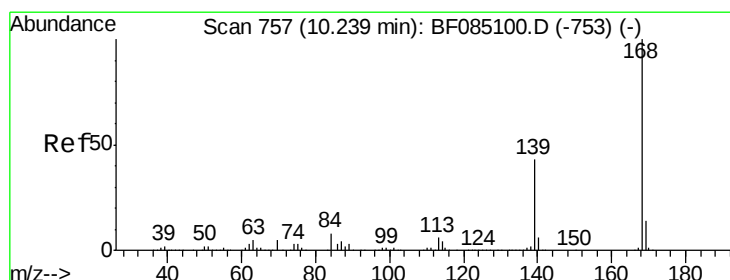
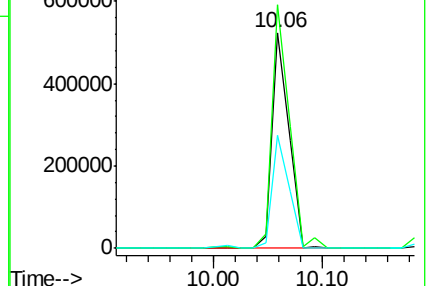
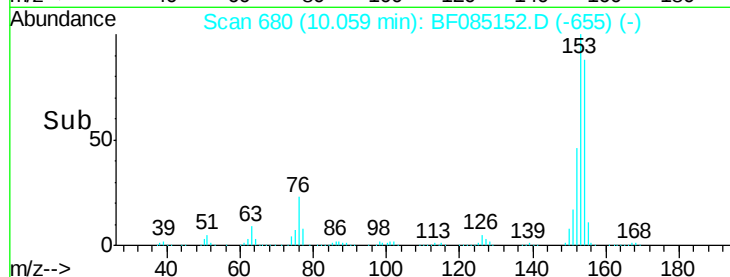
152 52.2 43.0 64.6



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

Dibenzofuran

Concen: 18.03 ng

RT: 10.23 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

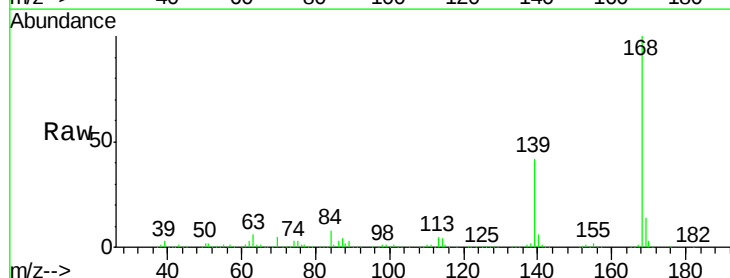
Tgt Ion:168 Resp: 529780

Ion Ratio Lower Upper

168 100

139 42.0 34.2 51.2

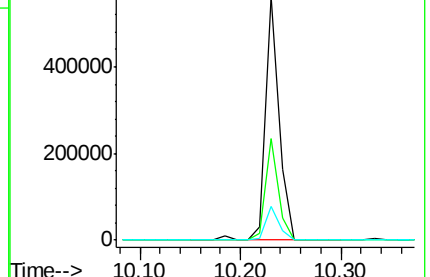
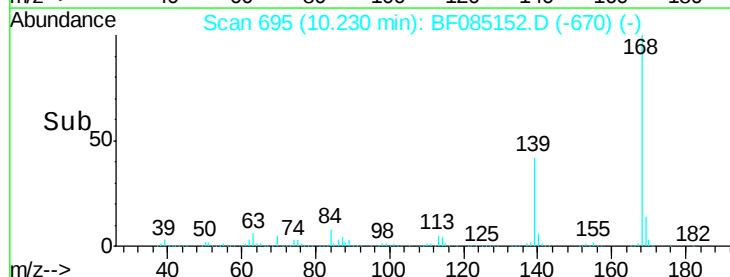
169 13.9 11.4 17.2

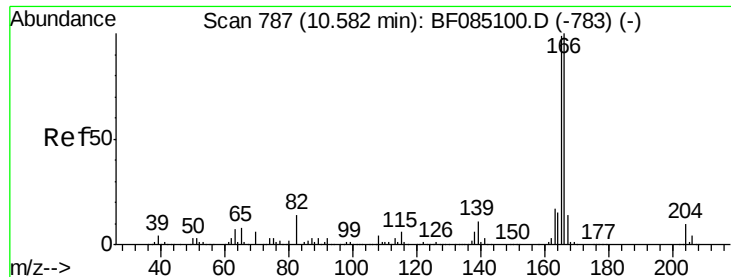


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

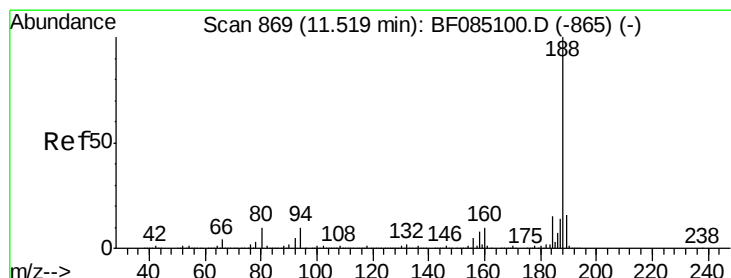
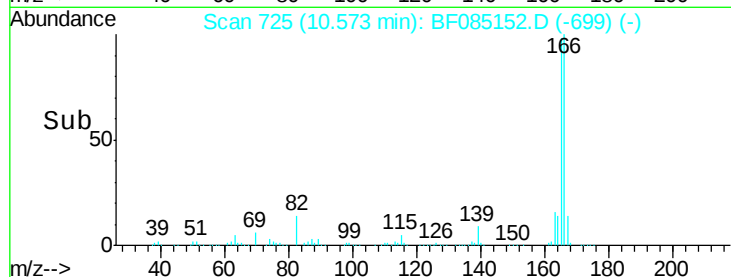
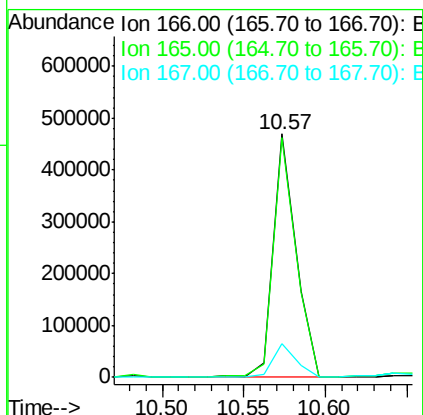
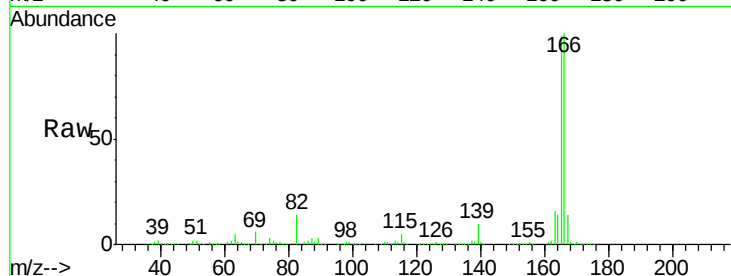




#57
Fluorene
 Concen: 19.94 ng
 RT: 10.57 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF085152.D
 Acq: 3 Mar 2016 6:29

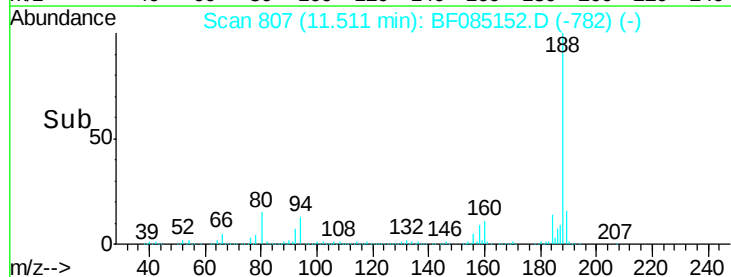
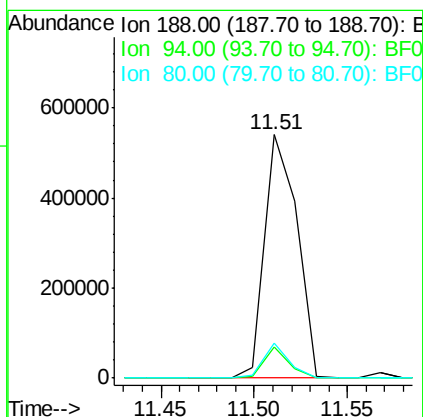
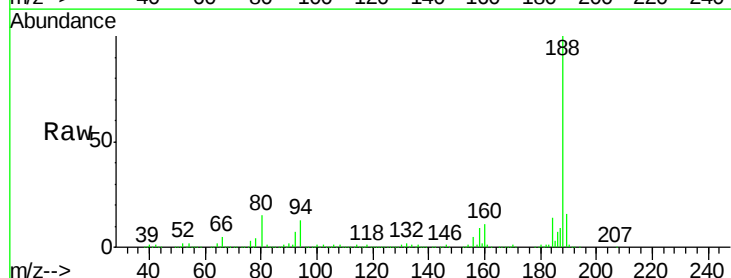
Instrument :
 BNA_F
 ClientSampleId :
 40054(0-2)

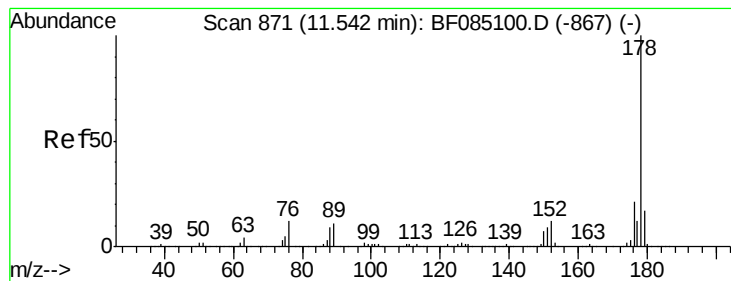
Tgt Ion:166 Resp: 460626
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.4 119.2
 167 13.8 11.2 16.8



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF085152.D
 Acq: 3 Mar 2016 6:29

Tgt Ion:188 Resp: 660034
 Ion Ratio Lower Upper
 188 100
 94 12.7 7.8 11.6#
 80 14.5 8.2 12.4#





#70

Phenanthrene

Concen: 26.64 ng

RT: 11.54 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

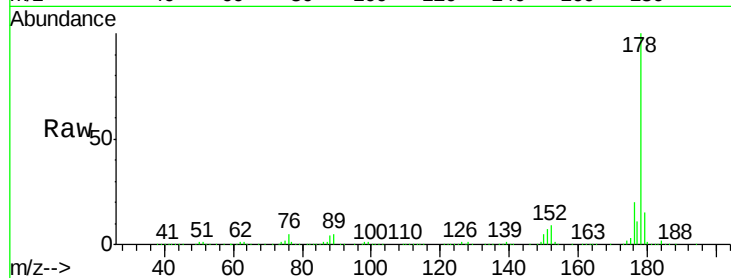
Tgt Ion:178 Resp: 874792

Ion Ratio Lower Upper

178 100

176 19.6 17.0 25.6

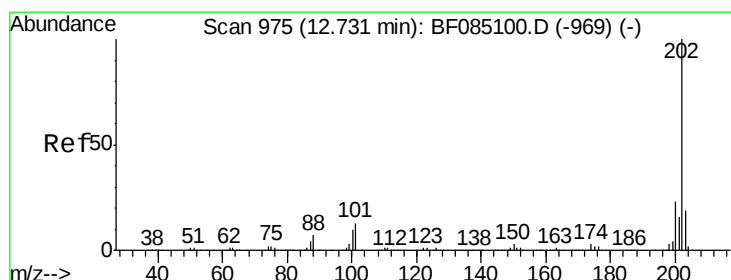
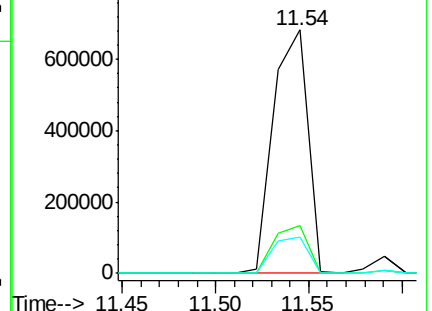
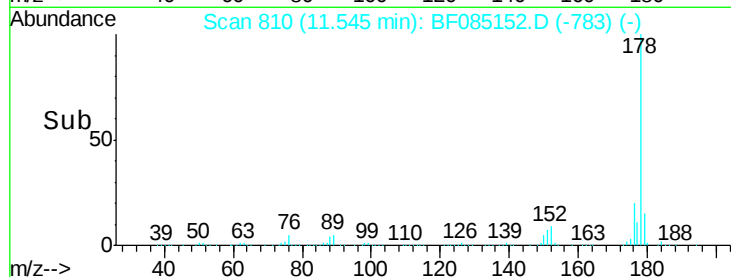
179 15.0 13.3 19.9



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: 2.91 ng

RT: 12.72 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

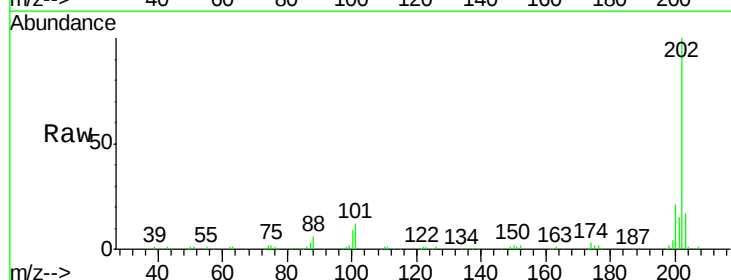
Tgt Ion:202 Resp: 104828

Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.2

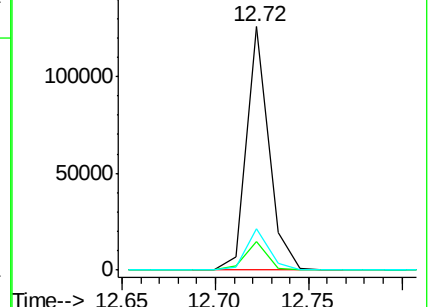
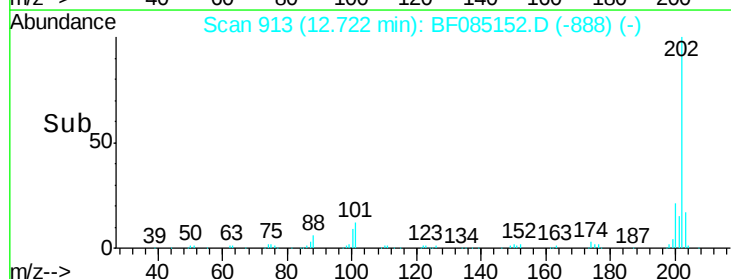
203 16.8 0.0 38.6

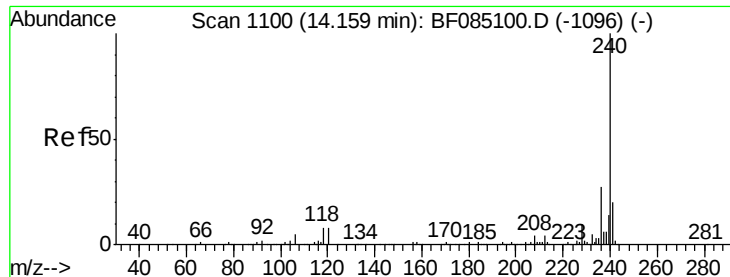


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

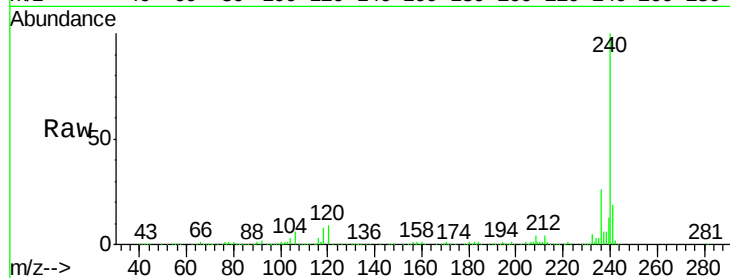
Tgt Ion:240 Resp: 459510

Ion Ratio Lower Upper

240 100

120 9.3 6.7 10.1

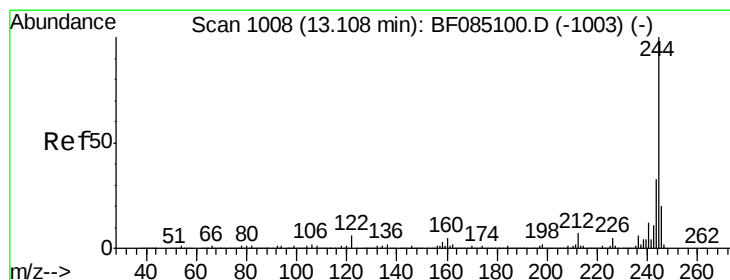
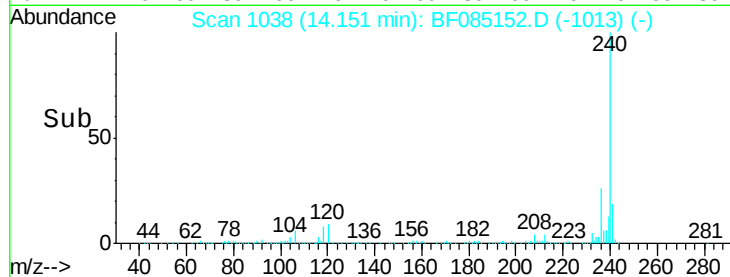
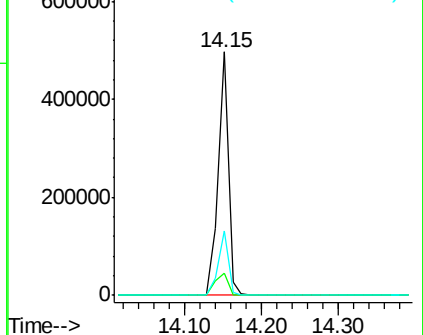
236 26.5 21.6 32.4



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: 97.19 ng

RT: 13.10 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

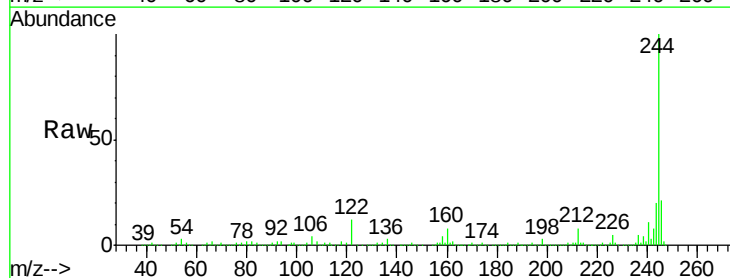
Tgt Ion:244 Resp: 1903760

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

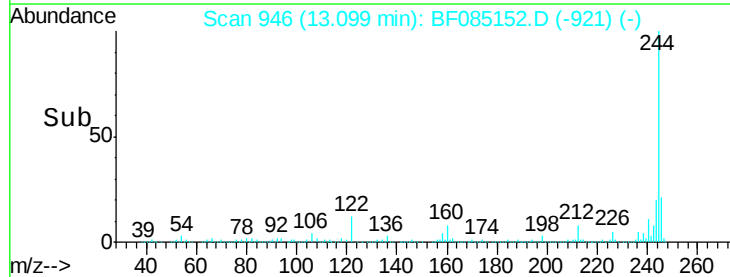
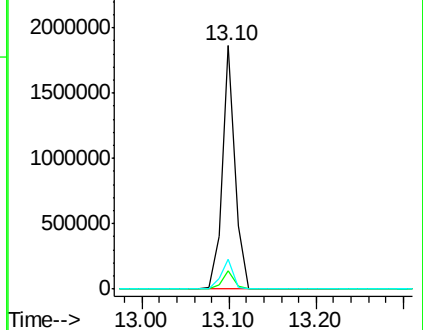
122 12.1 5.1 7.7#

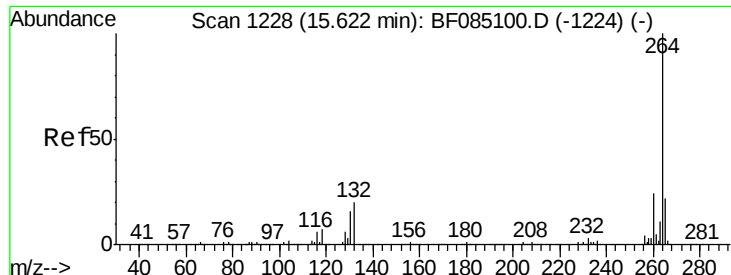


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

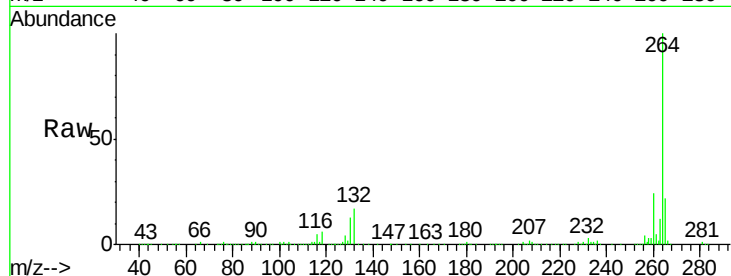




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF085152.D
Acq: 3 Mar 2016 6:29

Instrument :
BNA_F
ClientSampleId :
40054(0-2)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.6	17.4	26.2



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

