

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030916\
 Data File : BF085325.D
 Acq On : 10 Mar 2016 3:46
 Operator : UM/SJ
 Sample : H1722-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-22(0.5-2.0)

Quant Time: Mar 10 05:37:03 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	6.95	152	171184	20.00	ng	-0.03
21) Naphthalene-d8	8.23	136	722282	20.00	ng	-0.03
38) Acenaphthene-d10	9.99	164	326848	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	599207	20.00	ng	-0.03
75) Chrysene-d12	14.12	240	314909	20.00	ng	-0.03
86) Perylene-d12	15.58	264	276425	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	1136235	111.34	ng	-0.02
7) Phenol-d6	6.57	99	1423425	106.46	ng	-0.03
23) Nitrobenzene-d5	7.51	82	1062296	78.70	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	359782	128.64	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1406819	65.46	ng	-0.05
78) Terphenyl-d14	13.07	244	1168134	86.11	ng	-0.02

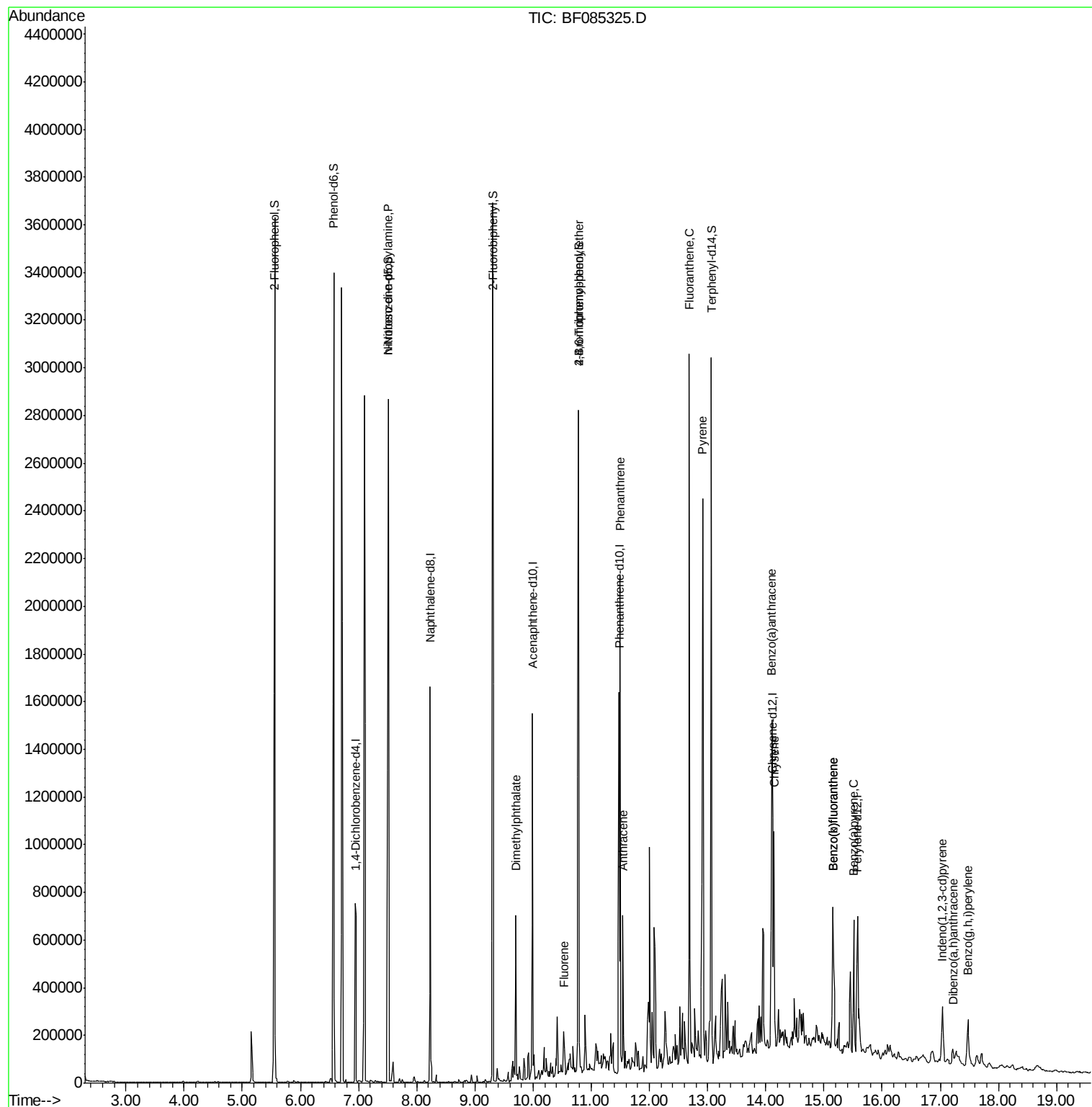
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.51	70	144470	16.58	ng	# 76
49) Dimethylphthalate	9.70	163	369965	14.75	ng	98
57) Fluorene	10.53	166	58072	2.81	ng	# 98
66) 4-Bromophenyl-phenylether	10.78	248	25258	4.34	ng	# 1
70) Phenanthrene	11.50	178	729926	23.24	ng	98
71) Anthracene	11.54	178	251015	7.53	ng	98
74) Fluoranthene	12.69	202	1083007	34.37	ng	97
77) Pyrene	12.92	202	958917	40.46	ng	99
80) Benzo(a)anthracene	14.11	228	479974	25.46	ng	98
82) Chrysene	14.14	228	266129	15.28	ng	96
85) Indeno(1,2,3-cd)pyrene	17.03	276	166561	12.26	ng	# 91
87) Benzo(b)fluoranthene	15.16	252	492715	26.74	ng	99
88) Benzo(k)fluoranthene	15.16	252	492715	33.15	ng	99
89) Benzo(a)pyrene	15.51	252	268189	17.57	ng	# 94
90) Dibenzo(a,h)anthracene	17.21	278	35624	2.73	ng	95
91) Benzo(g,h,i)perylene	17.48	276	148471	11.33	ng	98

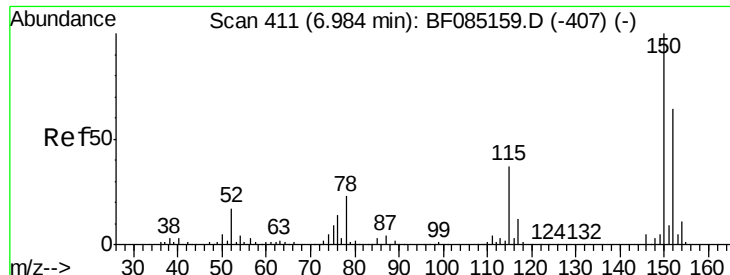
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-22(0.5-2.0)

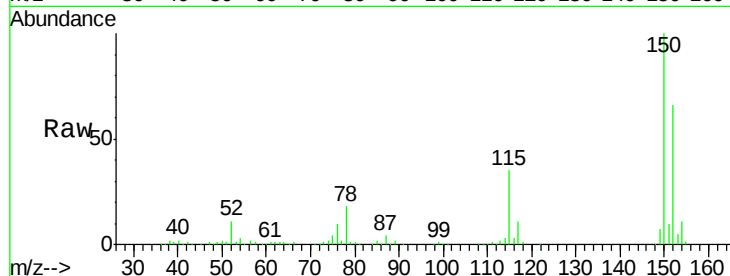
Tgt Ion:152 Resp: 171184

Ion Ratio Lower Upper

152 100

150 150.7 124.6 186.8

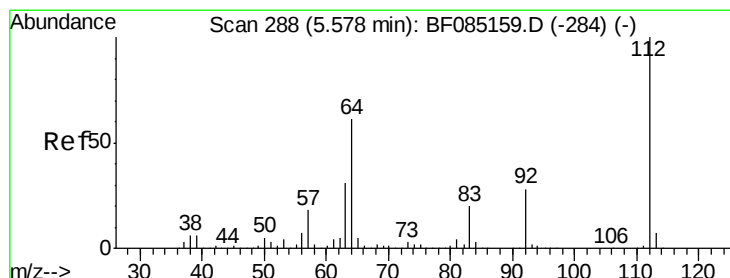
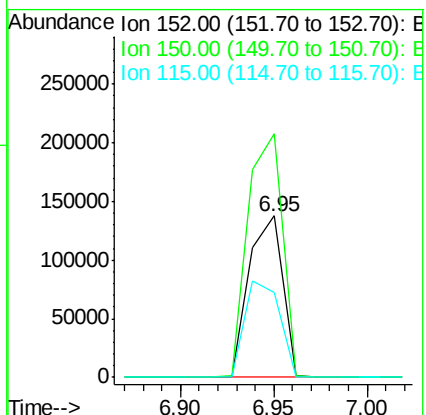
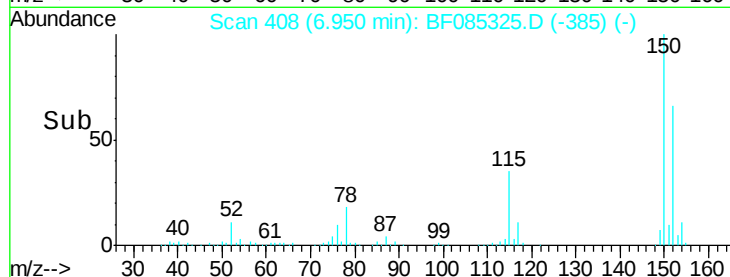
115 52.3 46.6 70.0



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: 111.34 ng

RT: 5.56 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

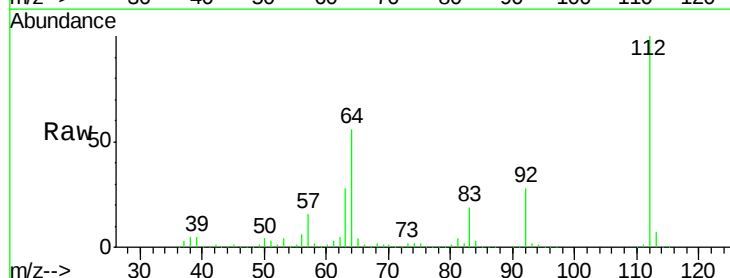
Tgt Ion:112 Resp: 1136235

Ion Ratio Lower Upper

112 100

64 56.0 49.0 73.4

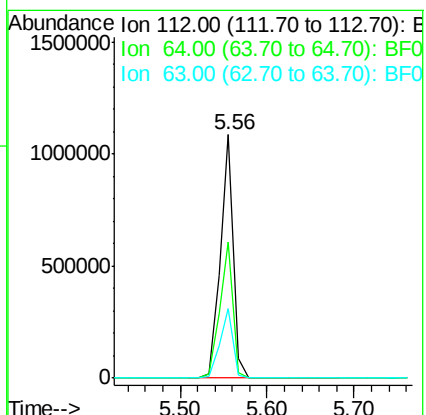
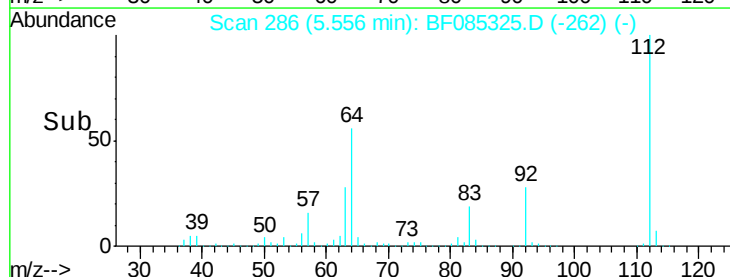
63 28.3 24.8 37.2



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: 106.46 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-22(0.5-2.0)

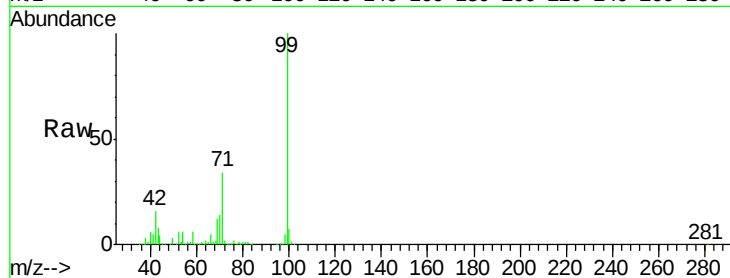
Tgt Ion: 99 Resp: 1423425

Ion Ratio Lower Upper

99 100

42 15.7 13.6 20.4

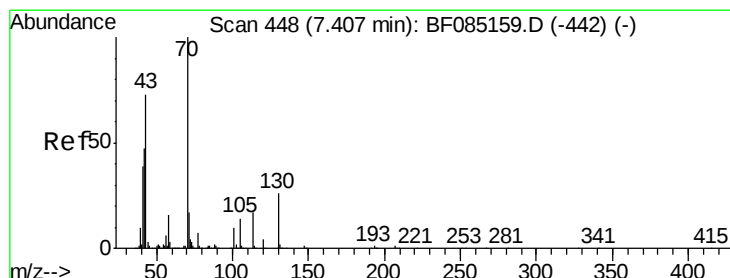
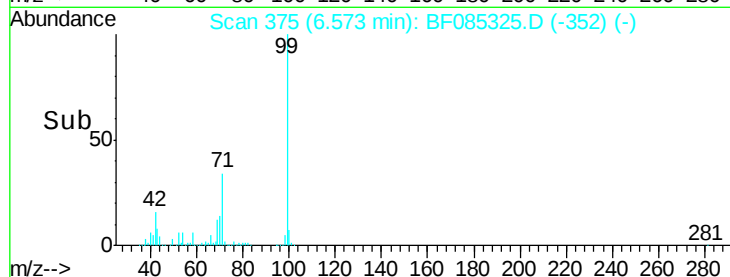
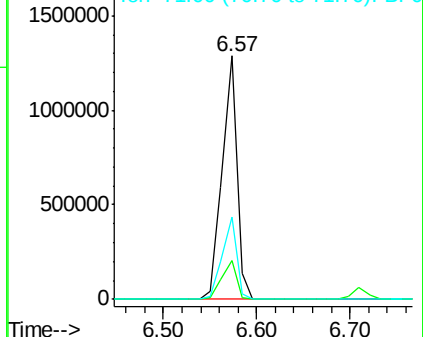
71 33.7 26.7 40.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.58 ng

RT: 7.51 min Scan# 457

Delta R.T. 0.10 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Tgt Ion: 70 Resp: 144470

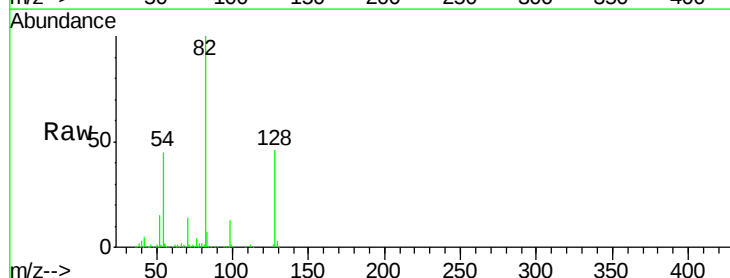
Ion Ratio Lower Upper

70 100

42 39.3 37.7 56.5

101 0.0 8.2 12.4#

130 2.1 20.5 30.7#

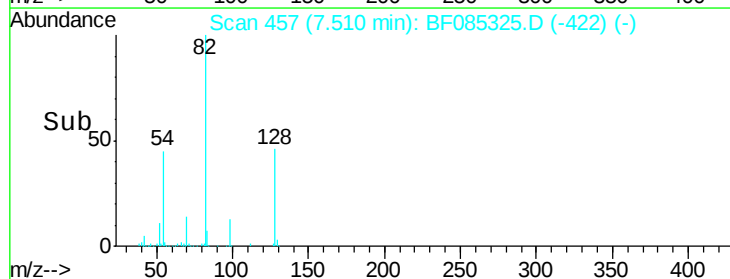
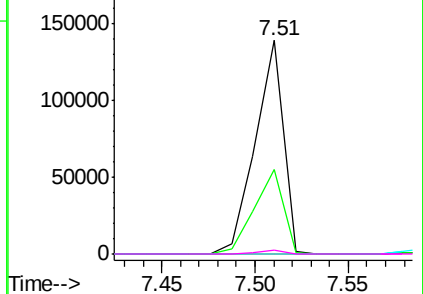


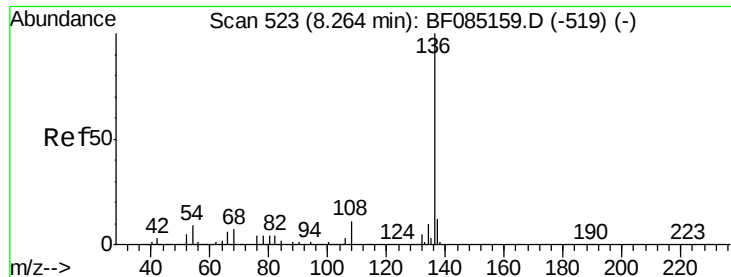
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

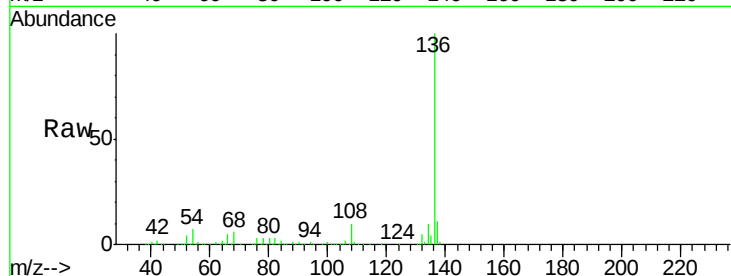




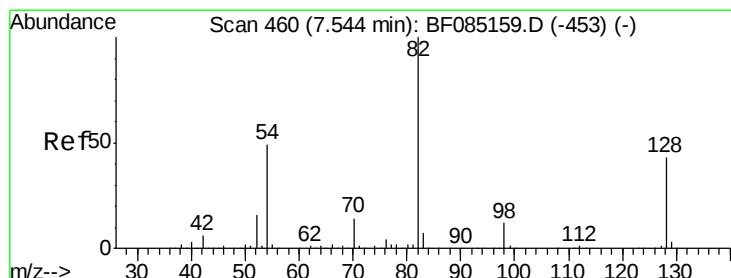
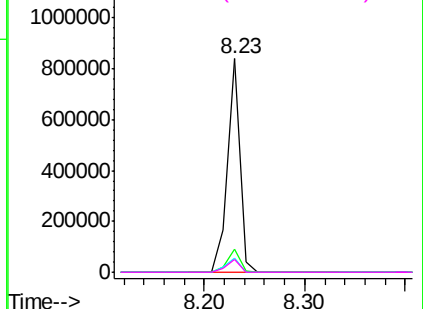
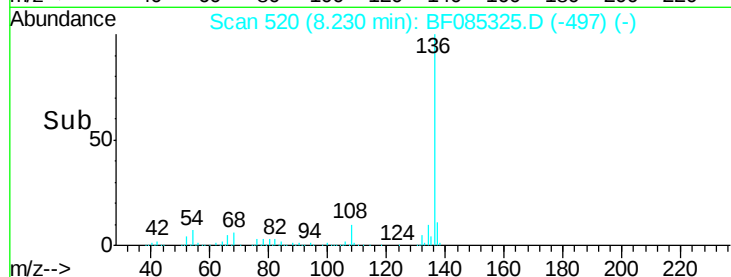
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-22(0.5-2.0)

Tgt Ion:	136	Resp:	722282
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	6.9	7.4	11.2#
68	5.9	6.0	9.0#

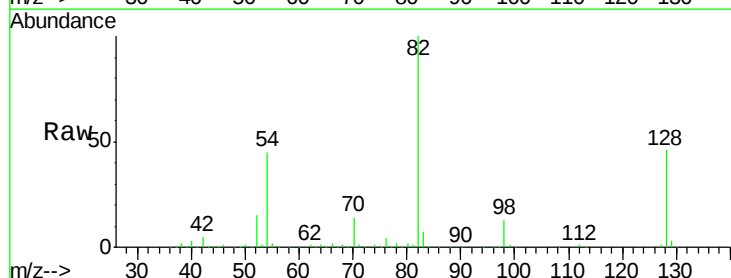


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

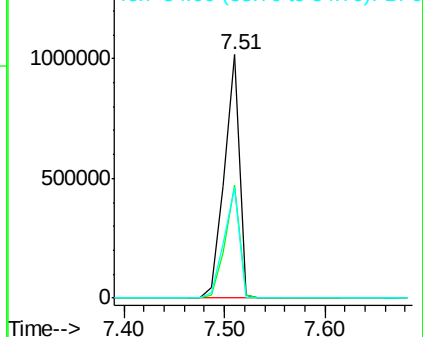
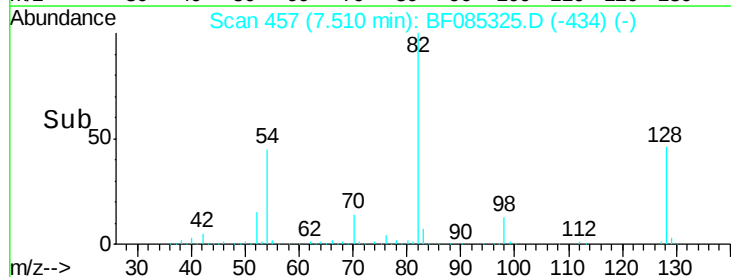


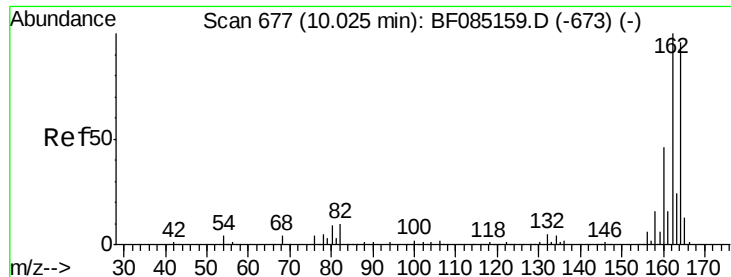
#23
Nitrobenzene-d5
Concen: 78.70 ng
RT: 7.51 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

Tgt Ion:	82	Resp:	1062296
Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.5	51.7
54	45.5	39.3	58.9



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

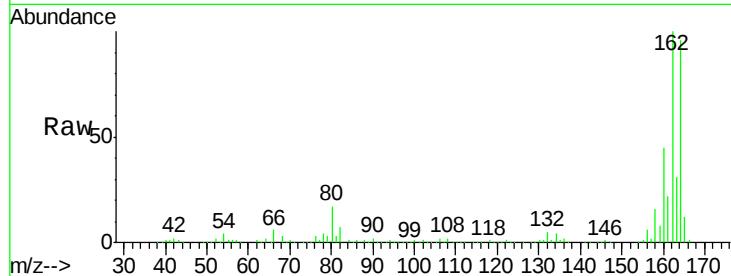




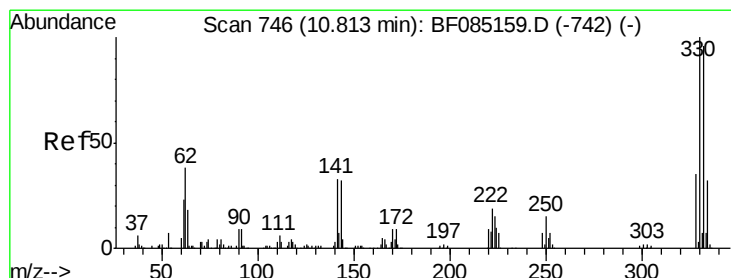
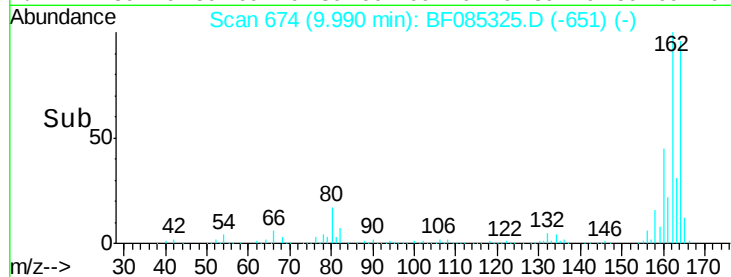
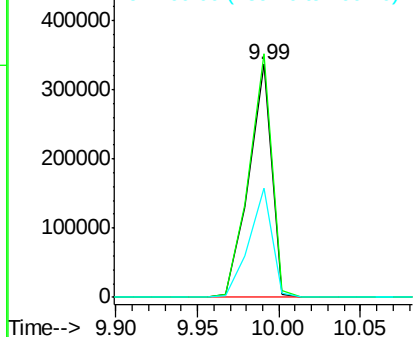
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.99 min Scan# 674
 Delta R.T. -0.03 min
 Lab File: BF085325.D
 Acq: 10 Mar 2016 3:46

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-22(0.5-2.0)

Tgt Ion:164 Resp: 326848
 Ion Ratio Lower Upper
 164 100
 162 104.4 83.3 124.9
 160 46.8 37.9 56.9

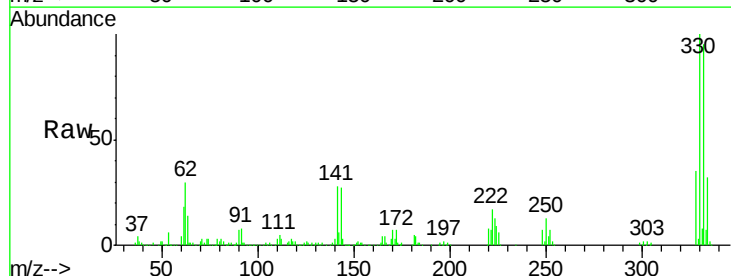


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

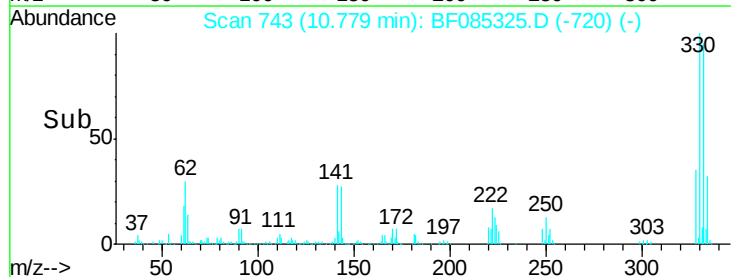
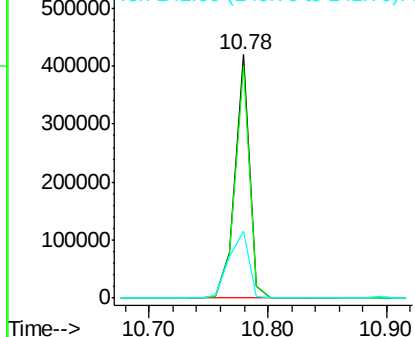


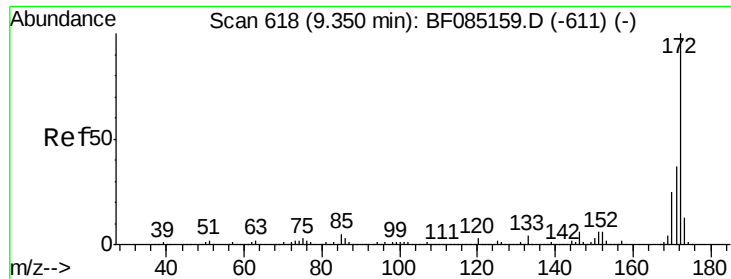
#41
 2,4,6-Tribromophenol
 Concen: 128.64 ng
 RT: 10.78 min Scan# 743
 Delta R.T. -0.03 min
 Lab File: BF085325.D
 Acq: 10 Mar 2016 3:46

Tgt Ion:330 Resp: 359782
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.1 115.7
 141 37.2 35.0 52.6



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

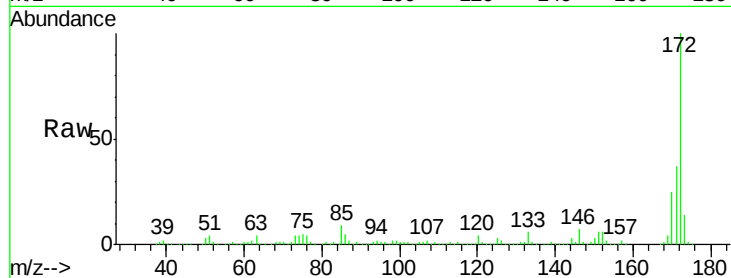




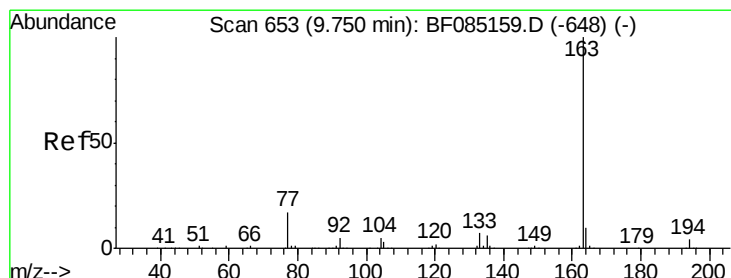
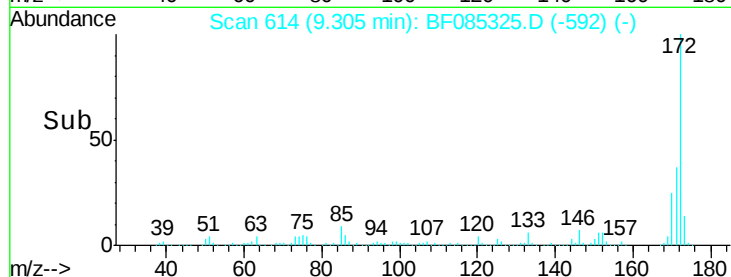
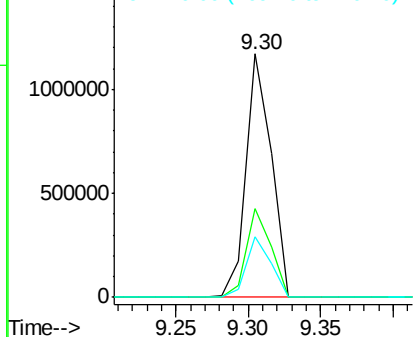
#44
2-Fluorobiphenyl
Concen: 65.46 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.05 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

Instrument :
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ClientSampleId :
W170TH-SB-22(0.5-2.0)

Tgt Ion:172 Resp: 1406819
Ion Ratio Lower Upper
172 100
171 36.7 29.3 43.9
170 24.6 20.0 30.0

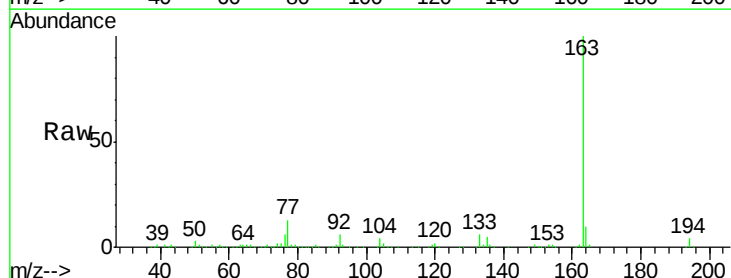


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

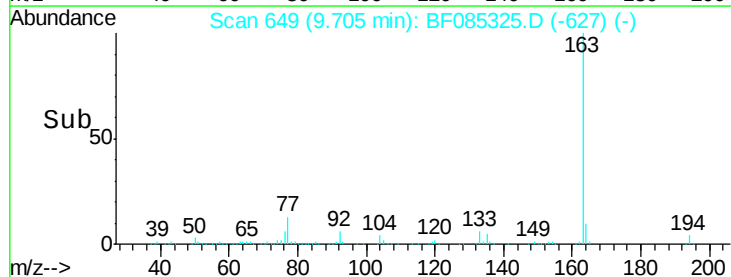
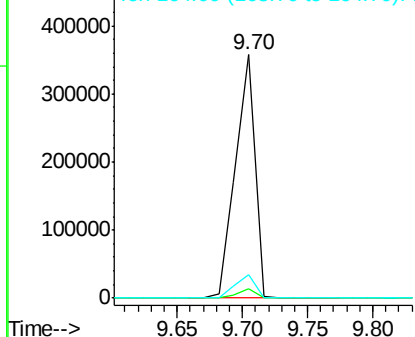


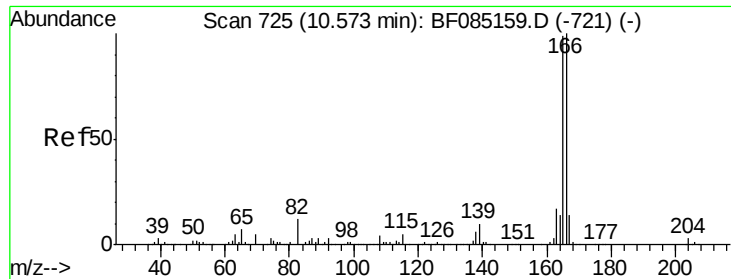
#49
Dimethylphthalate
Concen: 14.75 ng
RT: 9.70 min Scan# 649
Delta R.T. -0.05 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

Tgt Ion:163 Resp: 369965
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.5 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

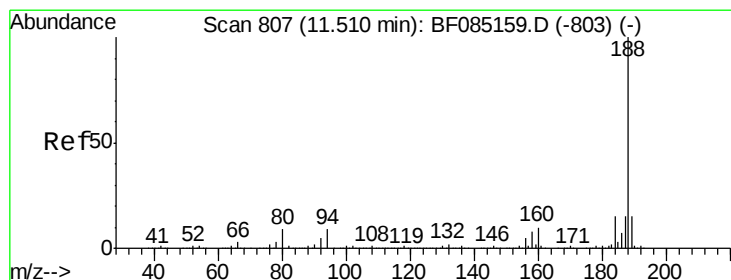
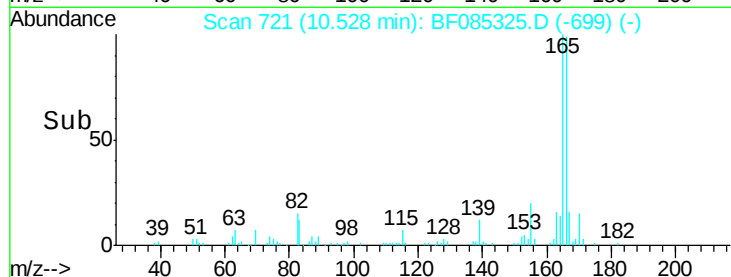
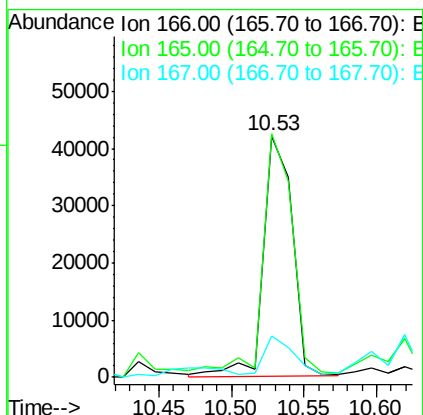
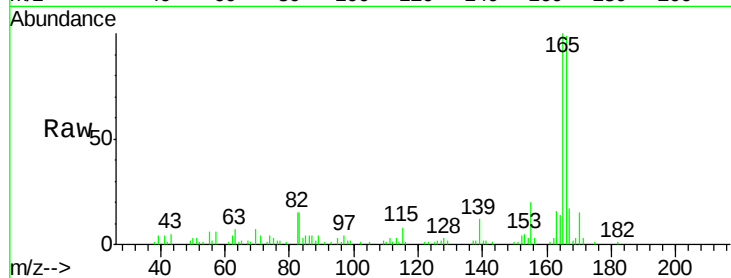




#57
Fluorene
 Concen: 2.81 ng
 RT: 10.53 min Scan# 721
 Delta R.T. -0.05 min
 Lab File: BF085325.D
 Acq: 10 Mar 2016 3:46

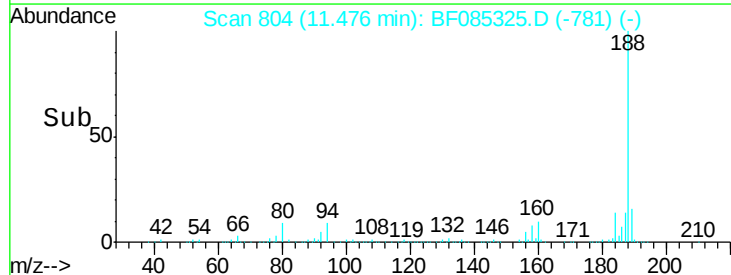
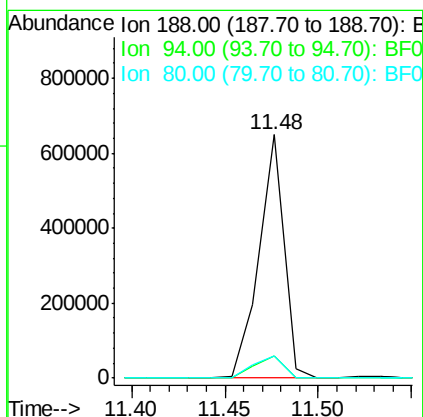
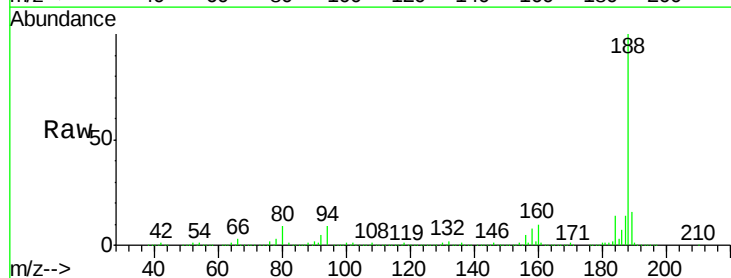
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 BNA_F
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 W170TH-SB-22(0.5-2.0)

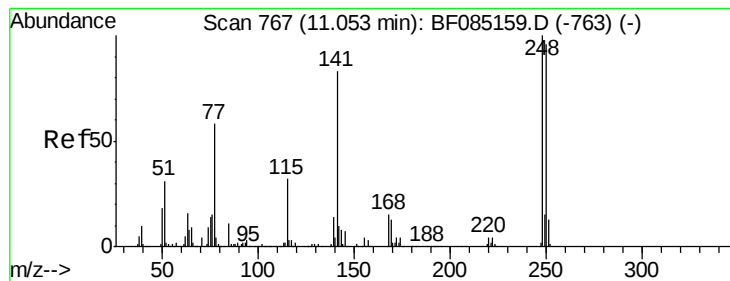
Tgt Ion:166 Resp: 58072
 Ion Ratio Lower Upper
 166 100
 165 100.8 79.4 119.0
 167 17.1 11.0 16.6#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.48 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF085325.D
 Acq: 10 Mar 2016 3:46

Tgt Ion:188 Resp: 599207
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.0 10.6
 80 9.3 7.4 11.0





#66

4-Bromophenyl-phenylether

Concen: 4.34 ng

RT: 10.78 min Scan# 743

Delta R.T. -0.27 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-22(0.5-2.0)

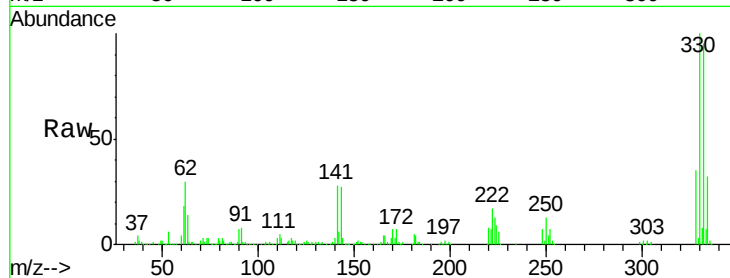
Tgt Ion:248 Resp: 25258

Ion Ratio Lower Upper

248 100

250 200.2 77.1 115.7#

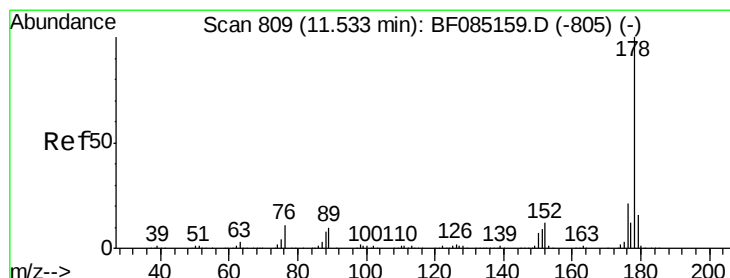
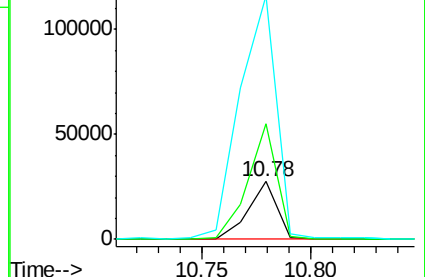
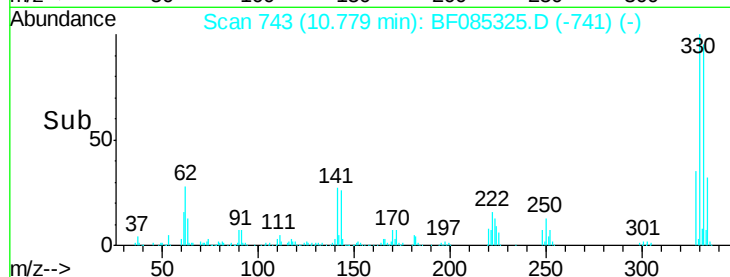
141 421.5 66.2 99.2#



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: 23.24 ng

RT: 11.50 min Scan# 806

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

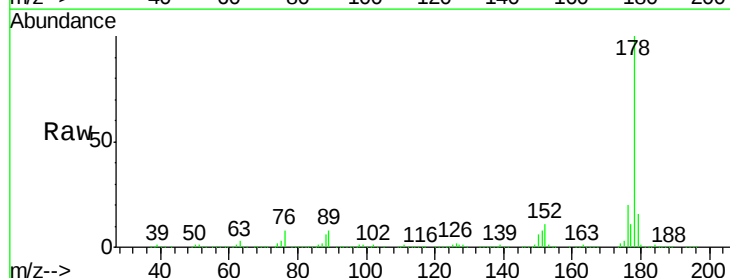
Tgt Ion:178 Resp: 729926

Ion Ratio Lower Upper

178 100

176 20.1 16.8 25.2

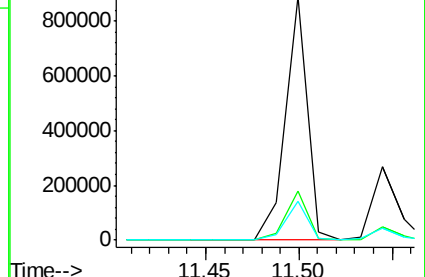
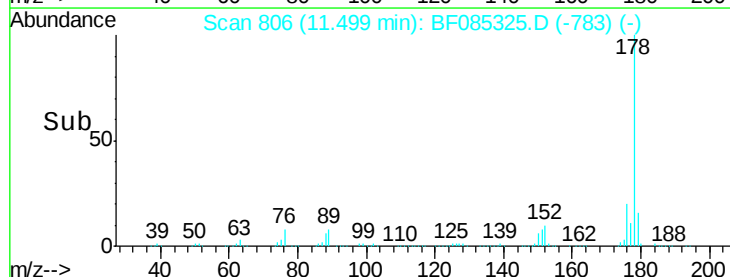
179 15.8 13.1 19.7

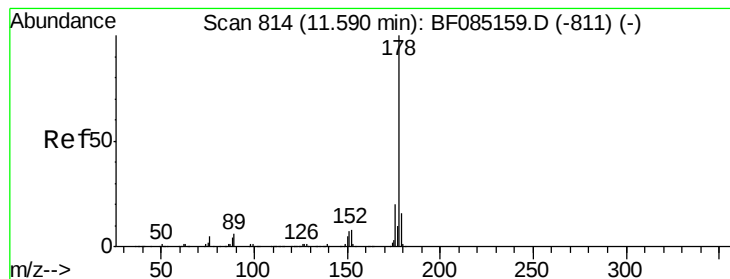


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 7.53 ng

RT: 11.54 min Scan# 810

Delta R.T. -0.05 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-22(0.5-2.0)

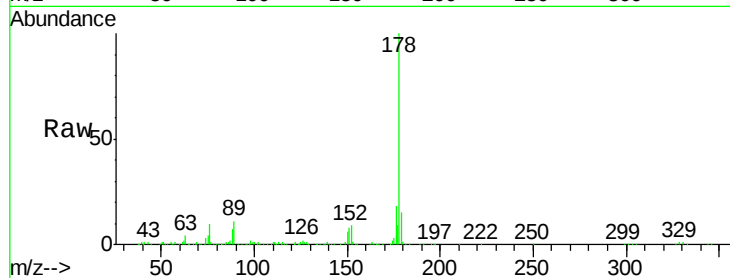
Tgt Ion:178 Resp: 251015

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

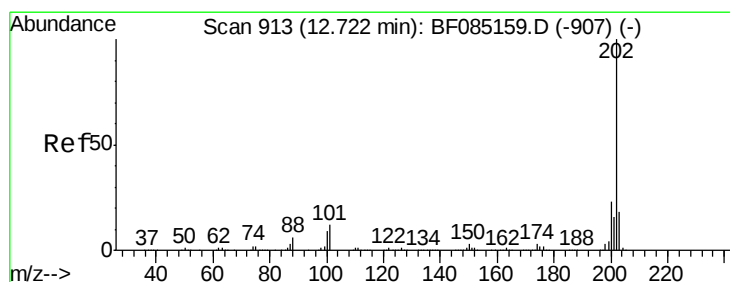
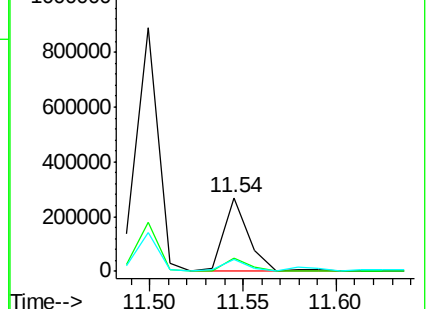
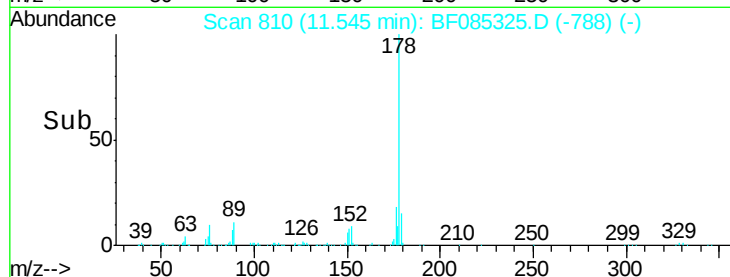
179 15.4 12.5 18.7



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: 34.37 ng

RT: 12.69 min Scan# 910

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

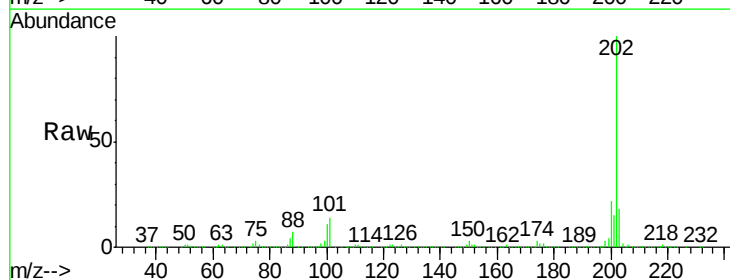
Tgt Ion:202 Resp: 1083007

Ion Ratio Lower Upper

202 100

101 14.3 0.0 31.8

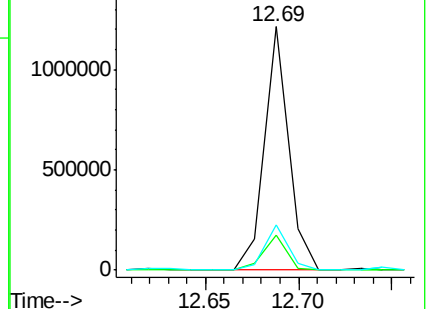
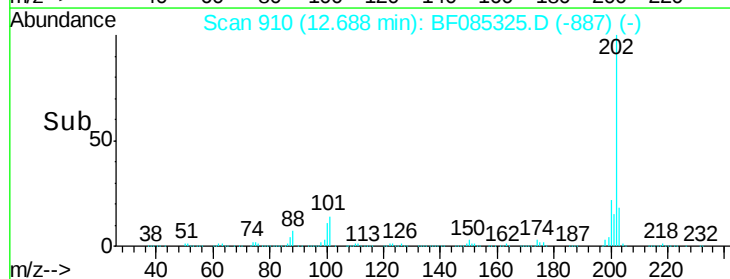
203 18.5 0.0 38.4

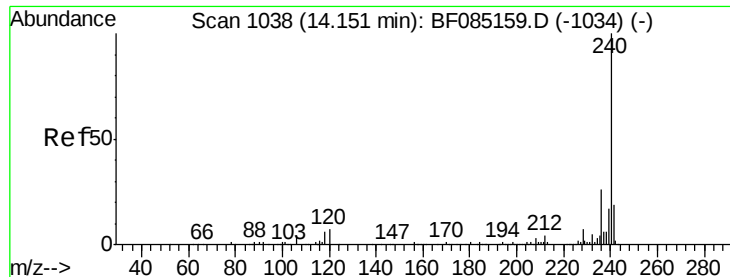


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

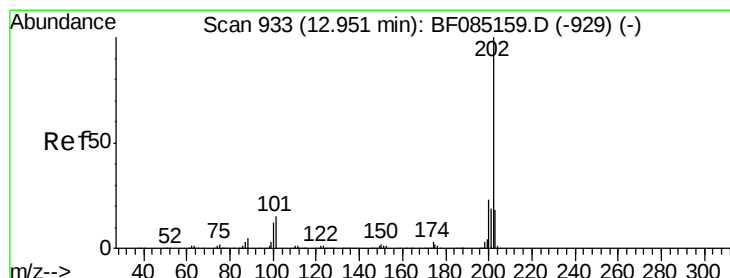
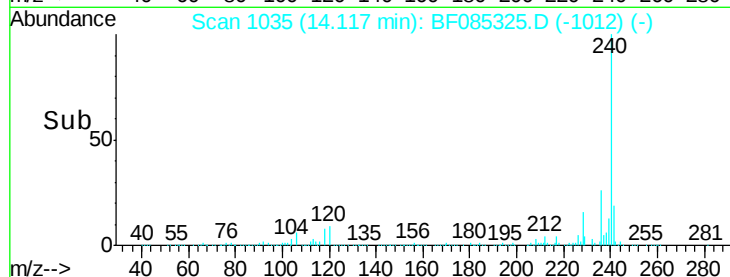
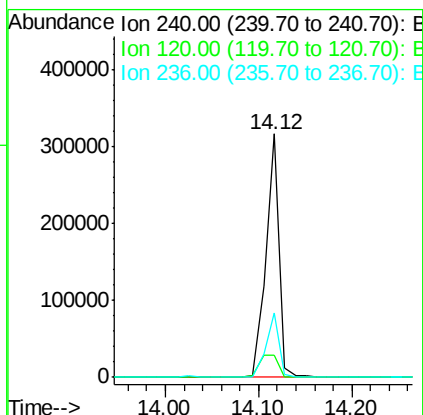
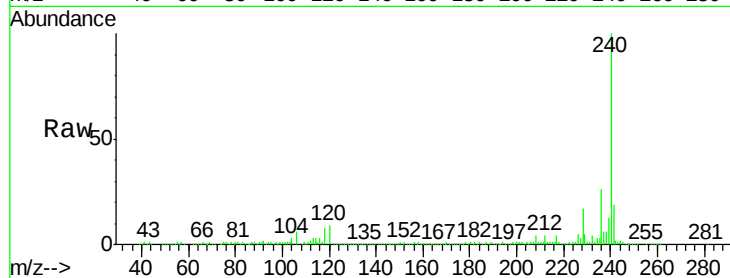




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.12 min Scan# 1035
Delta R.T. -0.03 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

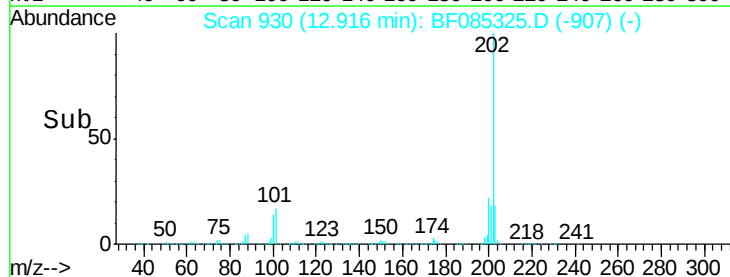
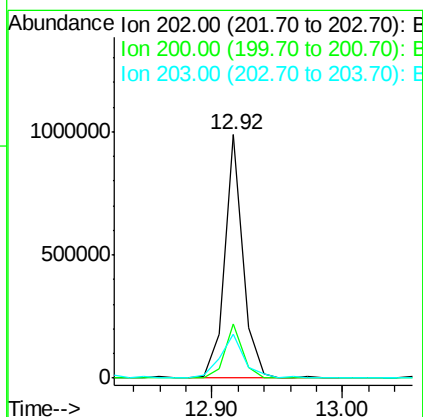
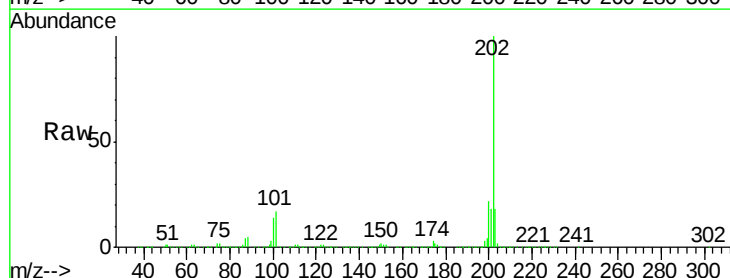
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-22(0.5-2.0)

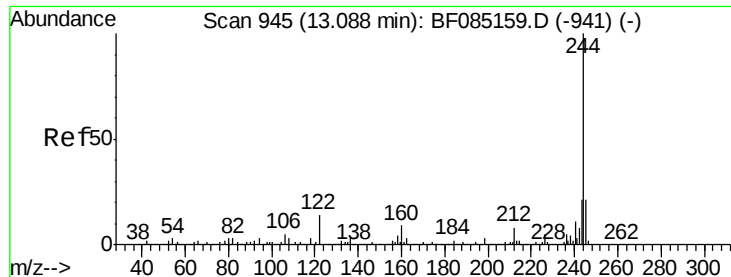
Tgt Ion:240 Resp: 314909
Ion Ratio Lower Upper
240 100
120 9.4 5.3 7.9#
236 26.3 20.7 31.1



#77
Pyrene
Concen: 40.46 ng
RT: 12.92 min Scan# 930
Delta R.T. -0.03 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

Tgt Ion:202 Resp: 958917
Ion Ratio Lower Upper
202 100
200 22.2 18.2 27.4
203 18.2 14.7 22.1

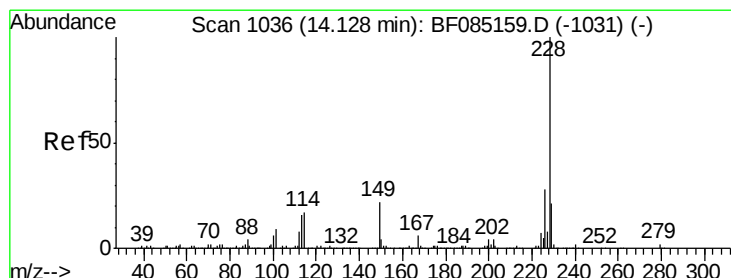
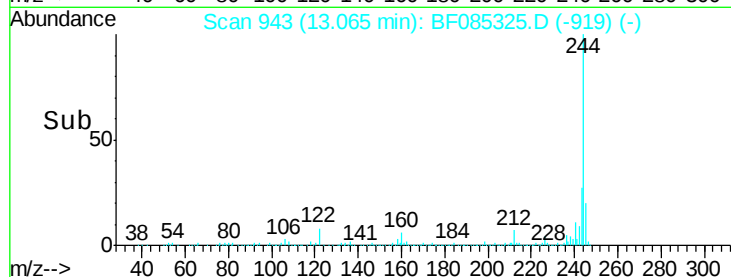
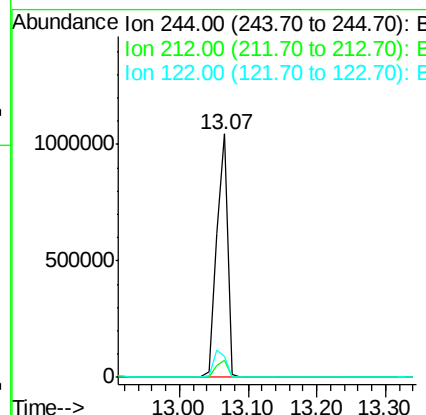
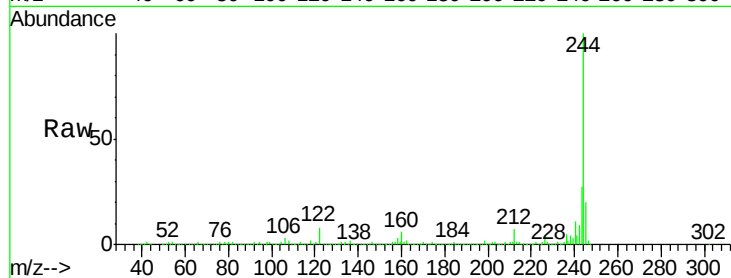




#78
 Terphenyl-d14
 Concen: 86.11 ng
 RT: 13.07 min Scan# 943
 Delta R.T. -0.02 min
 Lab File: BF085325.D
 Acq: 10 Mar 2016 3:46

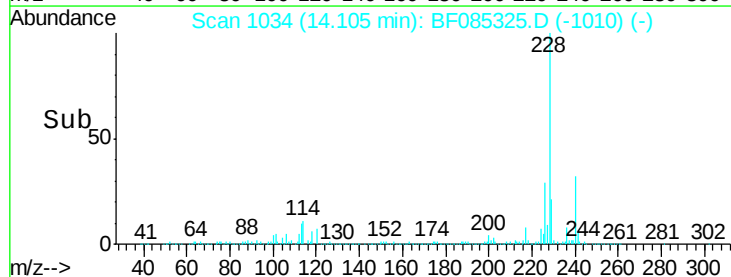
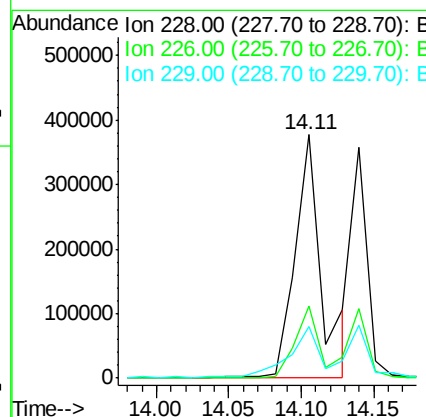
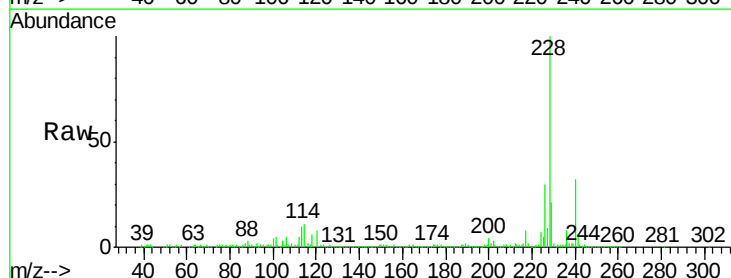
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-22(0.5-2.0)

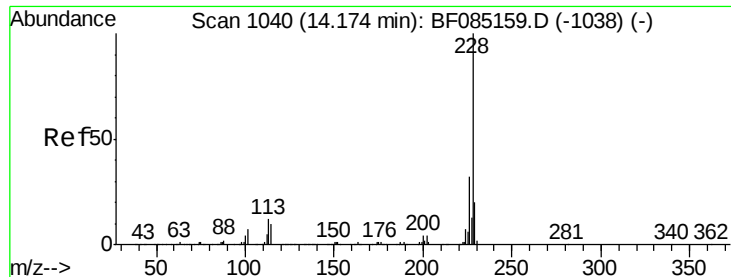
Tgt Ion:244 Resp: 1168134
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.4 9.6
 122 8.4 11.4 17.2#



#80
 Benzo(a)anthracene
 Concen: 25.46 ng
 RT: 14.11 min Scan# 1034
 Delta R.T. -0.02 min
 Lab File: BF085325.D
 Acq: 10 Mar 2016 3:46

Tgt Ion:228 Resp: 479974
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.8 34.2
 229 21.3 16.6 24.8





#82

Chrysene

Concen: 15.28 ng

RT: 14.14 min Scan# 1037

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-22(0.5-2.0)

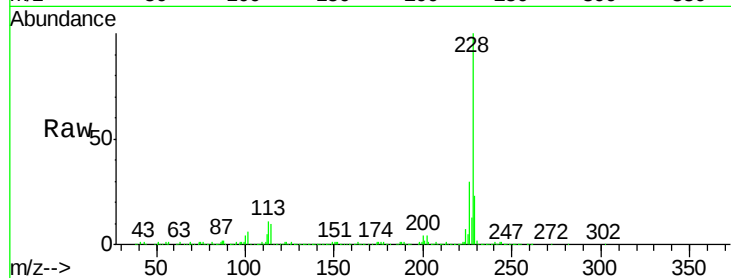
Tgt Ion:228 Resp: 266129

Ion Ratio Lower Upper

228 100

226 30.3 25.2 37.8

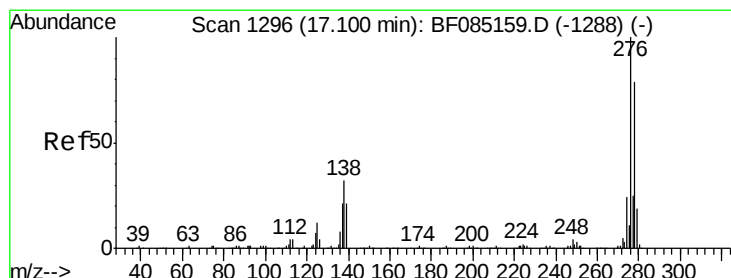
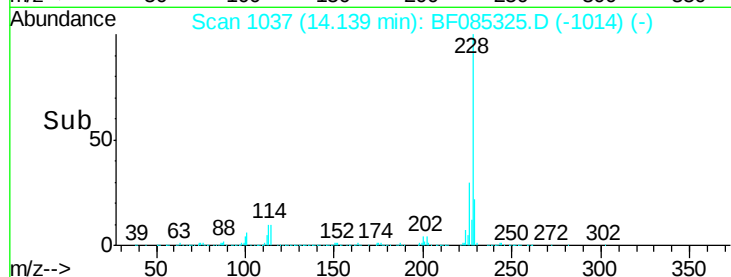
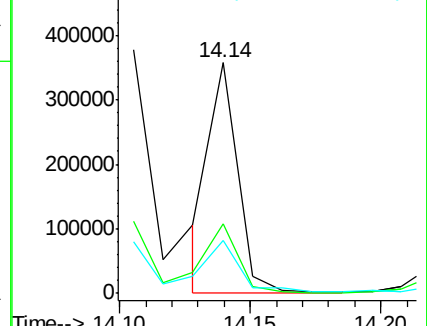
229 22.8 16.0 24.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 12.26 ng

RT: 17.03 min Scan# 1290

Delta R.T. -0.07 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

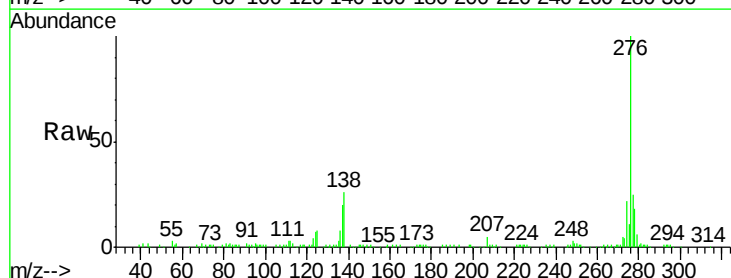
Tgt Ion:276 Resp: 166561

Ion Ratio Lower Upper

276 100

138 25.7 26.4 39.6#

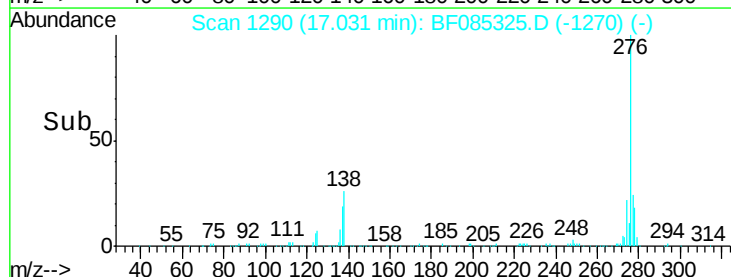
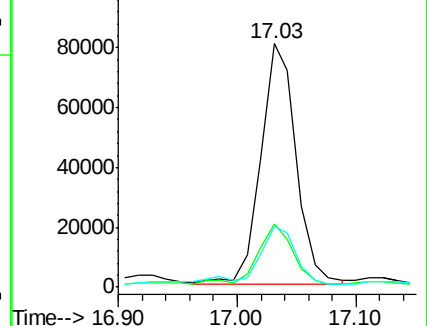
277 27.7 20.2 30.2

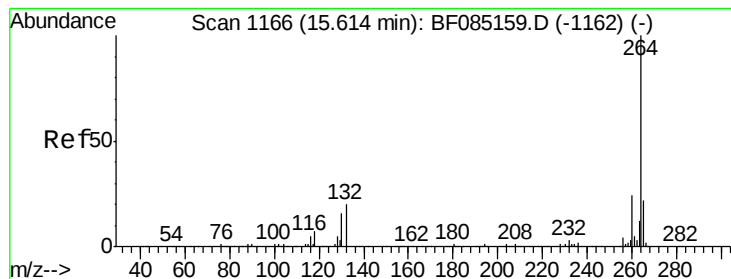


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.58 min Scan# 1163

Delta R.T. -0.03 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-22(0.5-2.0)

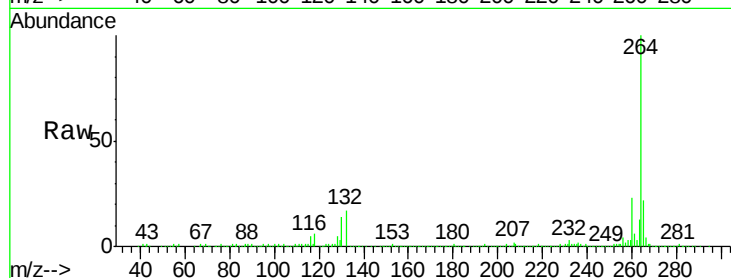
Tgt Ion:264 Resp: 276425

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

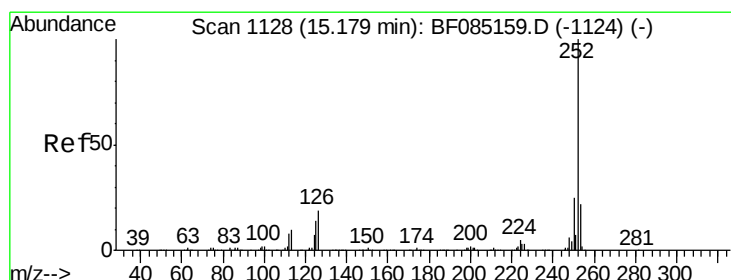
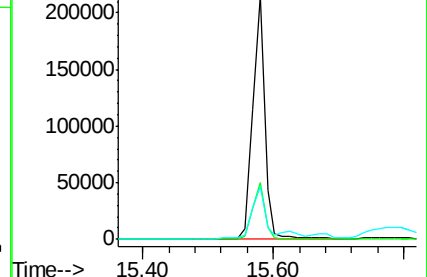
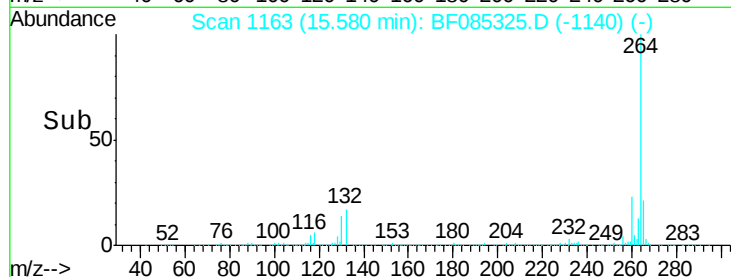
265 21.7 17.3 25.9



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



#87

Benzo(b)fluoranthene

Concen: 26.74 ng

RT: 15.16 min Scan# 1126

Delta R.T. -0.02 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

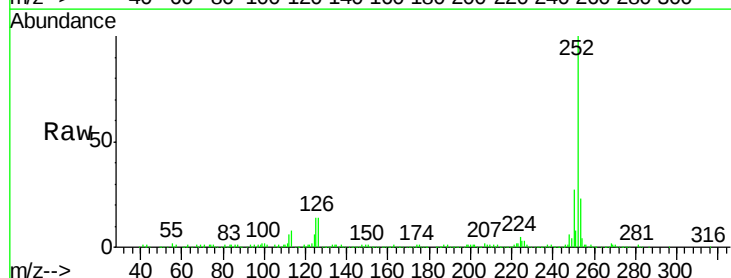
Tgt Ion:252 Resp: 492715

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

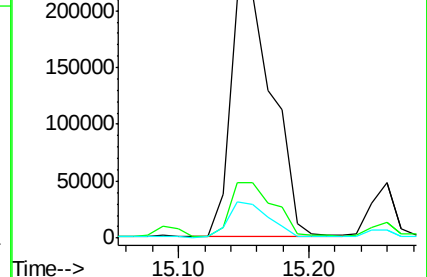
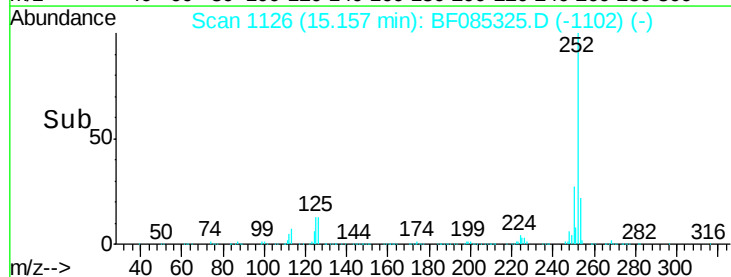
125 13.6 11.3 16.9

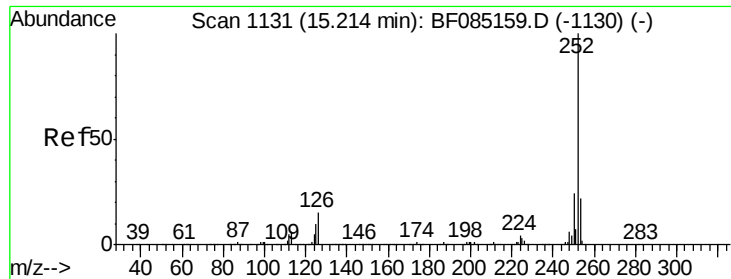


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

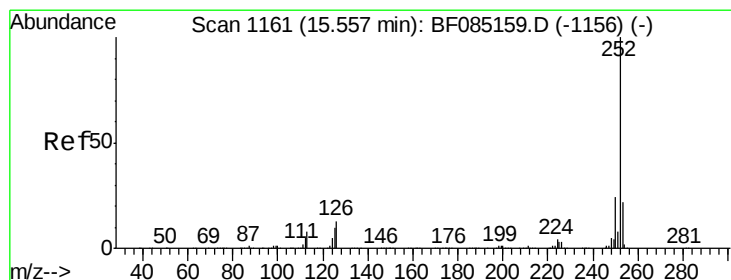
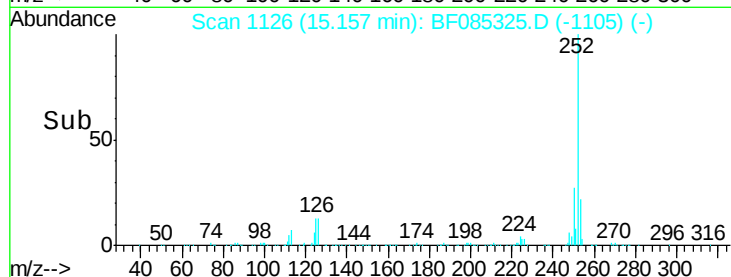
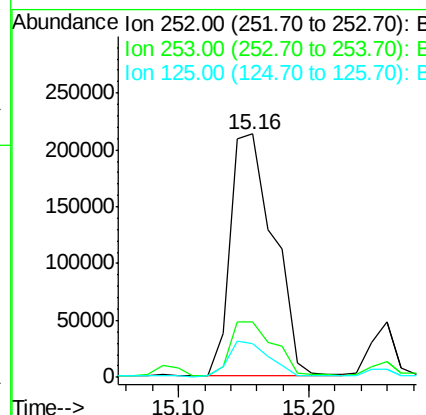
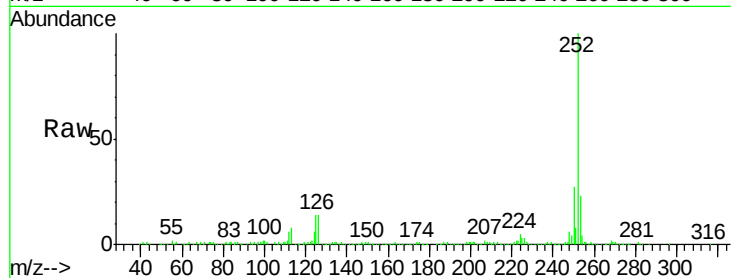




#88
Benzo(k)fluoranthene
Concen: 33.15 ng
RT: 15.16 min Scan# 1126
Delta R.T. -0.06 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

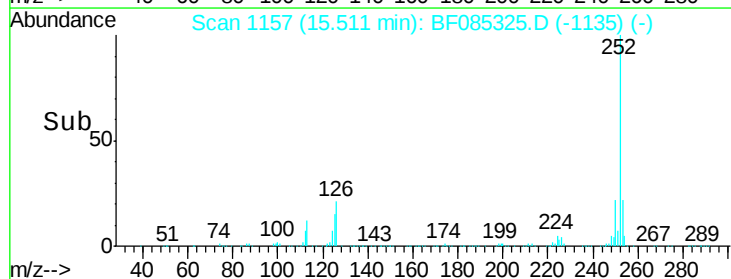
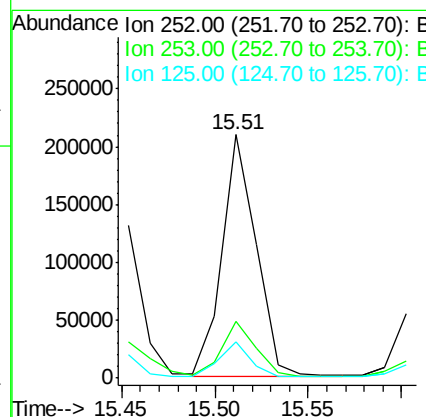
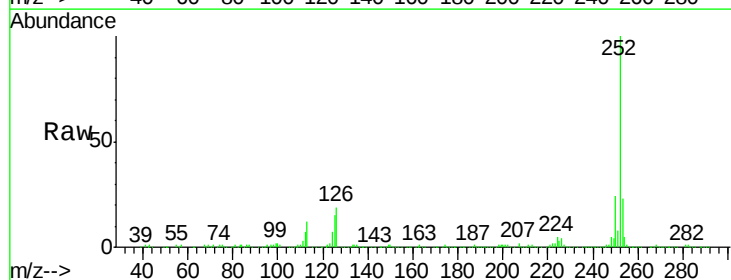
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-22(0.5-2.0)

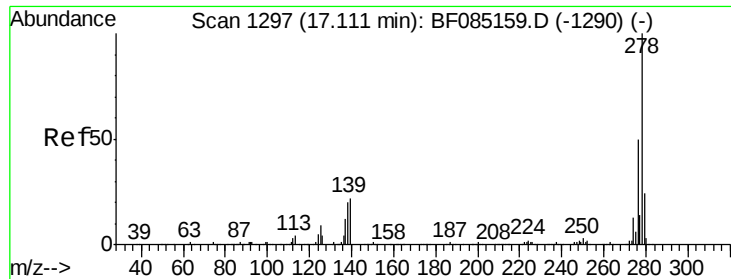
Tgt Ion: 252 Resp: 492715
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 13.6 10.4 15.6



#89
Benzo(a)pyrene
Concen: 17.57 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085325.D
Acq: 10 Mar 2016 3:46

Tgt Ion: 252 Resp: 268189
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 14.6 8.2 12.4#





#90

Dibenzo(a,h)anthracene

Concen: 2.73 ng

RT: 17.21 min Scan# 1306

Delta R.T. 0.10 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-22(0.5-2.0)

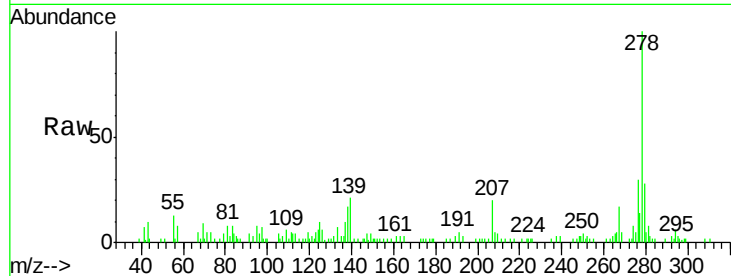
Tgt Ion:278 Resp: 35624

Ion Ratio Lower Upper

278 100

139 20.6 17.3 25.9

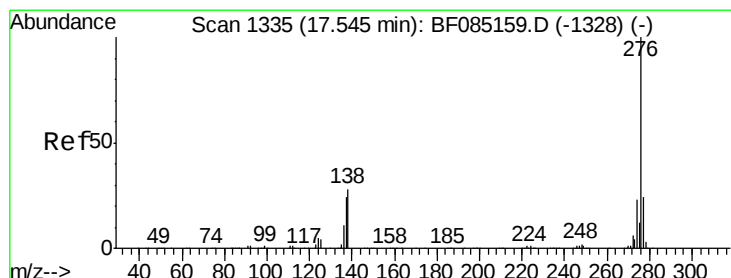
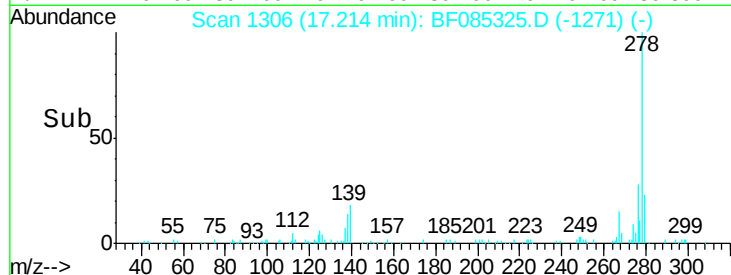
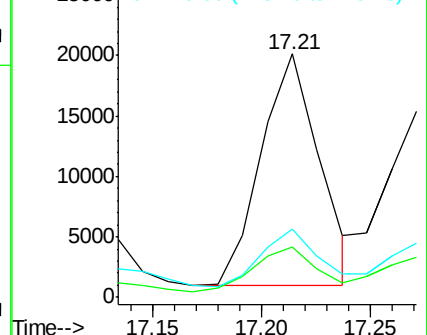
279 27.8 19.2 28.8



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: 11.33 ng

RT: 17.48 min Scan# 1329

Delta R.T. -0.07 min

Lab File: BF085325.D

Acq: 10 Mar 2016 3:46

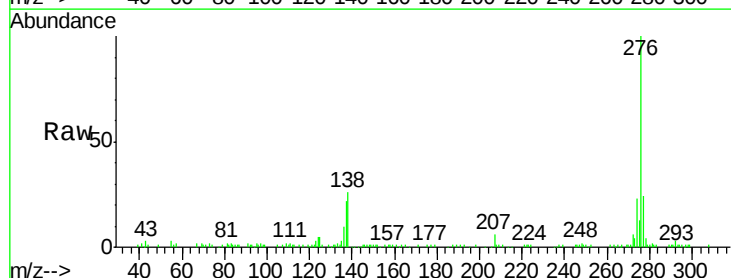
Tgt Ion:276 Resp: 148471

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 26.3 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

