

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091296.D
 Acq On : 24 Nov 2016 1:05
 Operator : UM/SJ
 Sample : H5740-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

Quant Time: Nov 24 05:14:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	204911	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	856756	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	402464	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	564694	20.00	ng	0.00
75) Chrysene-d12	14.04	240	485217	20.00	ng	0.00
86) Perylene-d12	15.48	264	413750	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1597405	125.25	ng	0.02
7) Phenol-d6	6.51	99	2325199	141.90	ng	0.01
23) Nitrobenzene-d5	7.45	82	1451963	97.56	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	466319	114.90	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	2040872	83.03	ng	0.00
78) Terphenyl-d14	12.99	244	1234196	58.09	ng	0.00

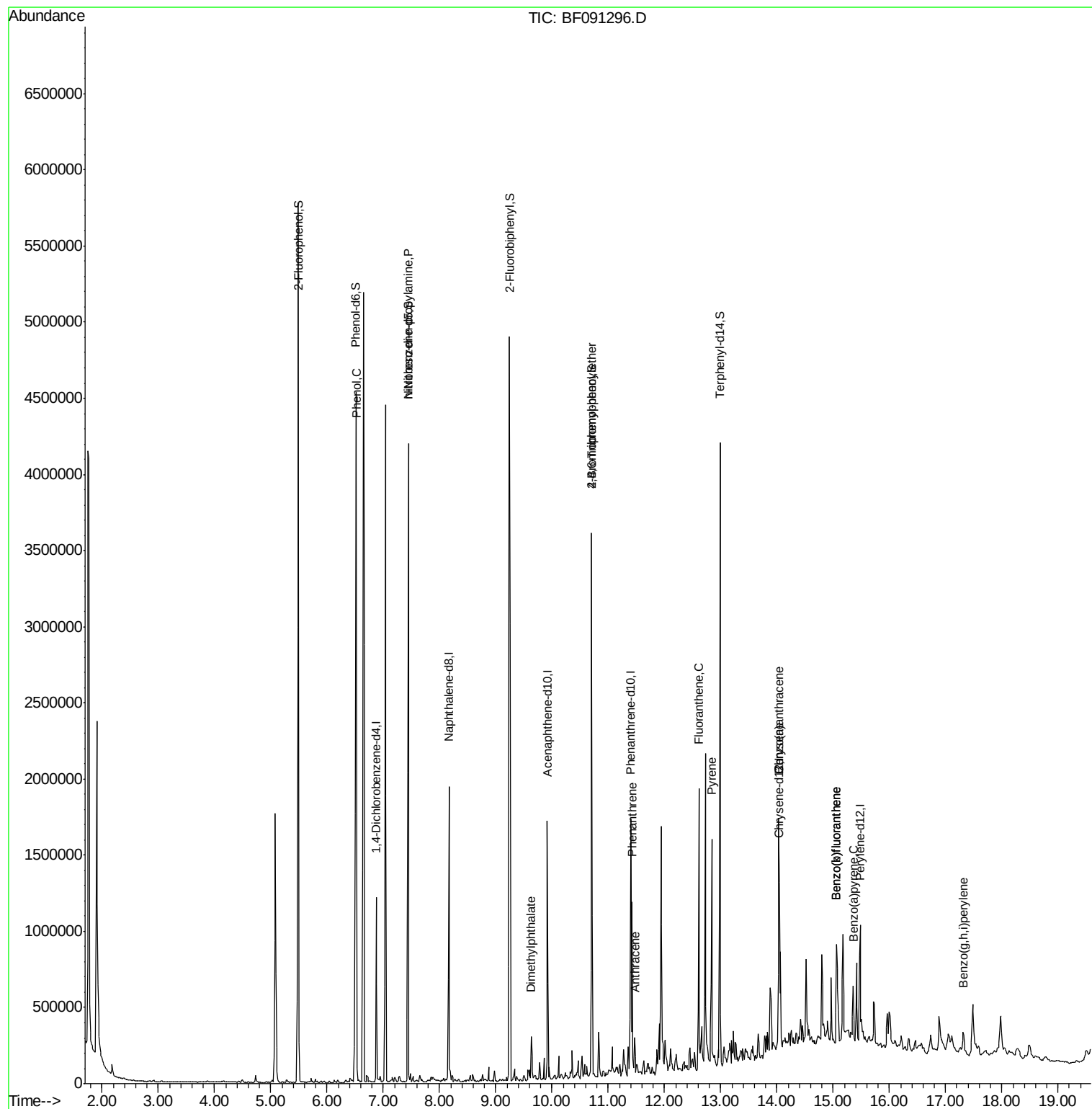
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	4081	Below Cal		86
10) Phenol	6.52	94	80955	4.43	ng	# 23
19) n-Nitroso-di-n-propylamine	7.45	70	205940	20.04	ng	# 71
49) Dimethylphthalate	9.63	163	118967	4.73	ng	# 97
66) 4-Bromophenyl-phenylether	10.70	248	26699	4.33	ng	# 1
70) Phenanthrene	11.42	178	391115	13.35	ng	99
71) Anthracene	11.47	178	107053	3.57	ng	98
74) Fluoranthene	12.61	202	711472	23.88	ng	99
77) Pyrene	12.84	202	618850	17.26	ng	99
80) Benzo(a)anthracene	14.03	228	343205	12.46	ng	97
82) Chrysene	14.03	228	343205	13.19	ng	99
87) Benzo(b)fluoranthene	15.06	252	522476	20.02	ng	99
88) Benzo(k)fluoranthene	15.06	252	522476	24.51	ng	97
89) Benzo(a)pyrene	15.36	252	181195	8.16	ng	98
91) Benzo(g,h,i)perylene	17.31	276	127300	6.26	ng	97

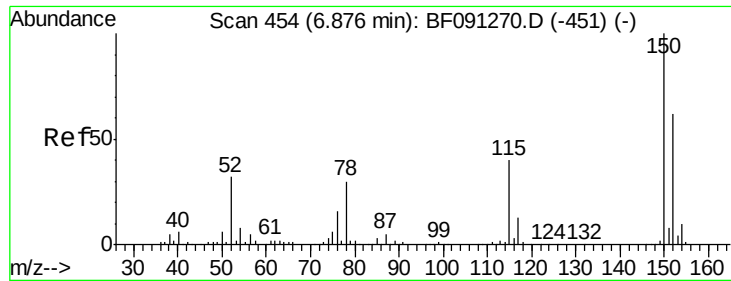
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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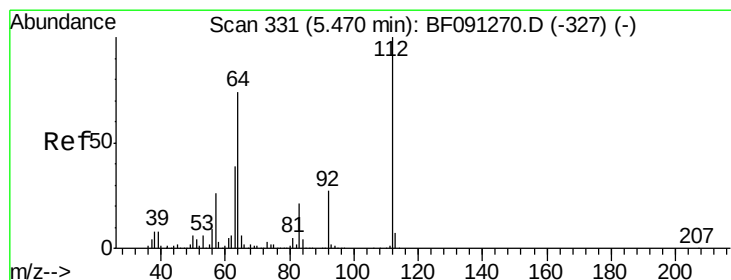
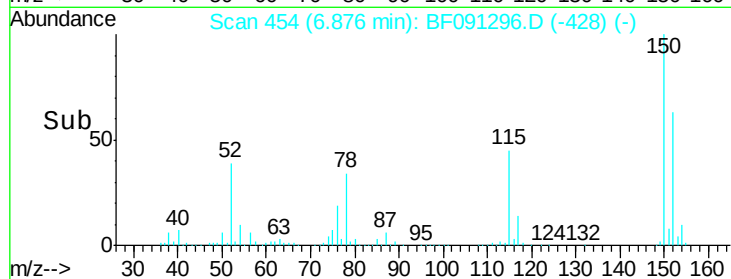
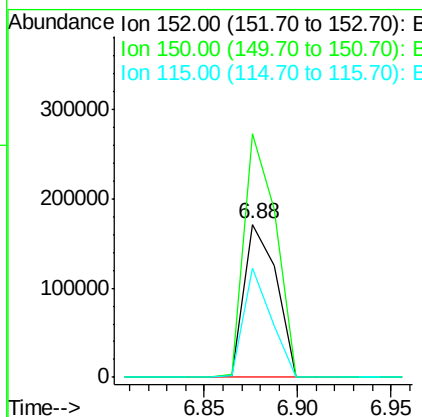
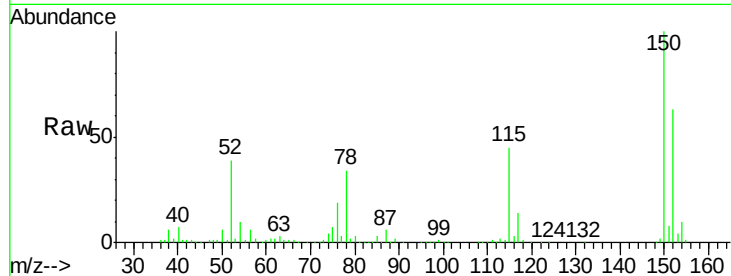




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF091296.D
 Acq: 24 Nov 2016 1:05

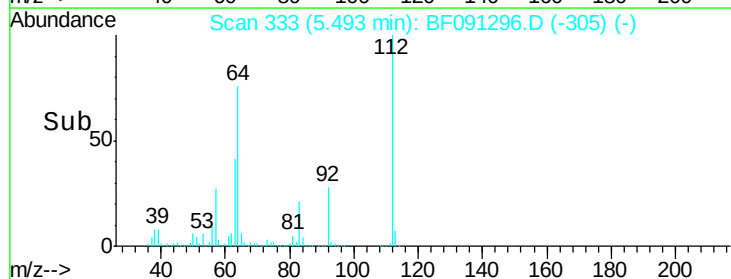
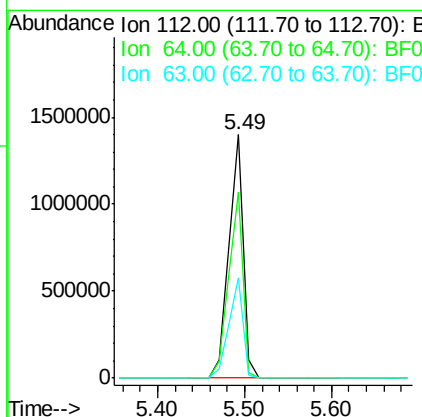
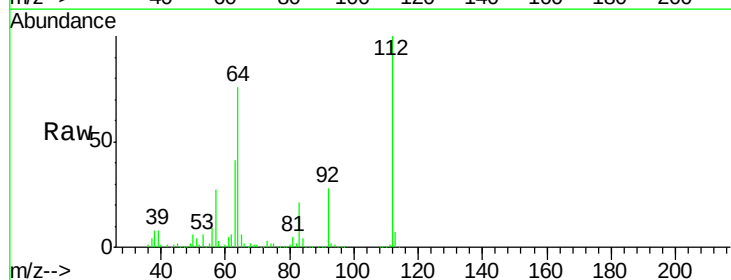
Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

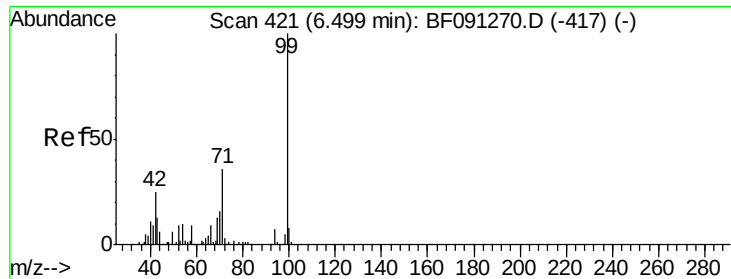
Tgt Ion:152 Resp: 204911
 Ion Ratio Lower Upper
 152 100
 150 159.1 122.5 183.7
 115 71.7 51.8 77.8



#5
 2-Fluorophenol
 Concen: 125.25 ng
 RT: 5.49 min Scan# 333
 Delta R.T. 0.02 min
 Lab File: BF091296.D
 Acq: 24 Nov 2016 1:05

Tgt Ion:112 Resp: 1597405
 Ion Ratio Lower Upper
 112 100
 64 76.3 61.5 92.3
 63 41.3 33.3 49.9





#7

Phenol-d6

Concen: 141.90 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

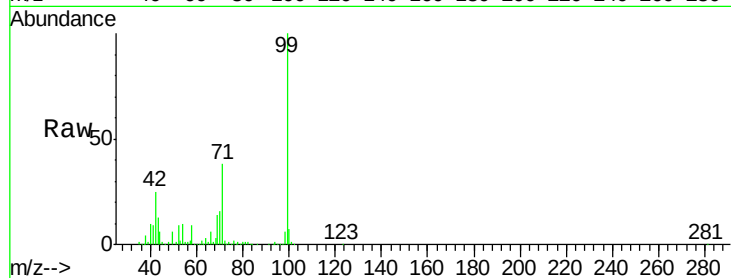
Tgt Ion: 99 Resp: 2325199

Ion Ratio Lower Upper

99 100

42 25.1 20.6 31.0

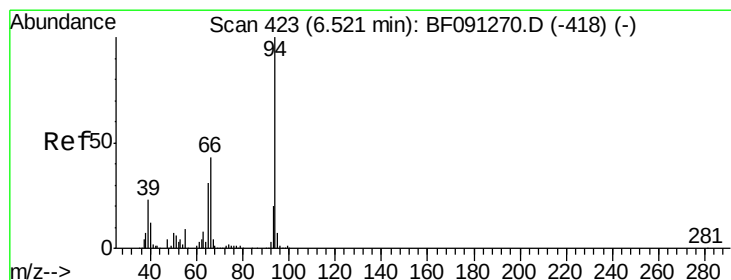
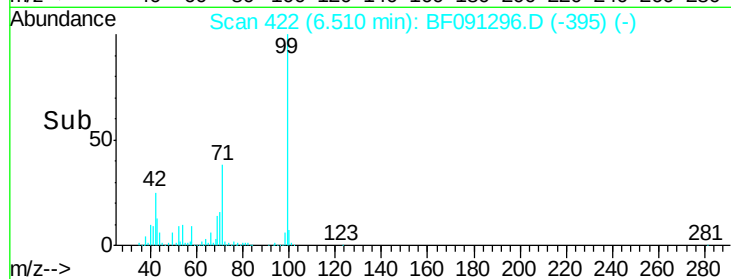
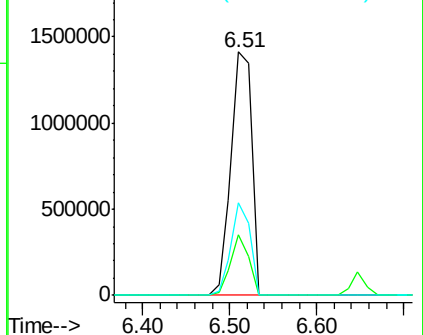
71 38.2 29.9 44.9



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



#10

Phenol

Concen: 4.43 ng

RT: 6.52 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

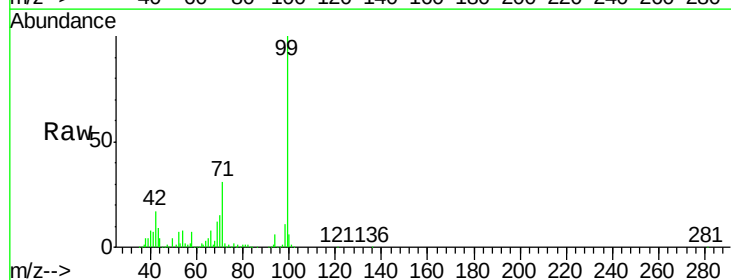
Tgt Ion: 94 Resp: 80955

Ion Ratio Lower Upper

94 100

65 56.9 16.9 56.9

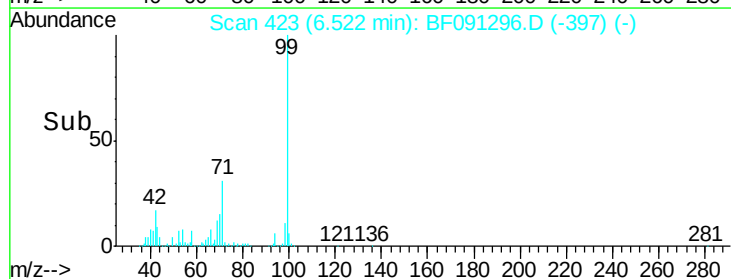
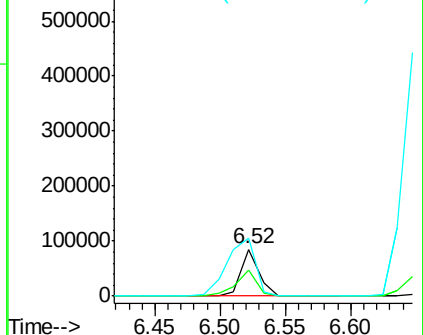
66 125.9 30.6 70.6#

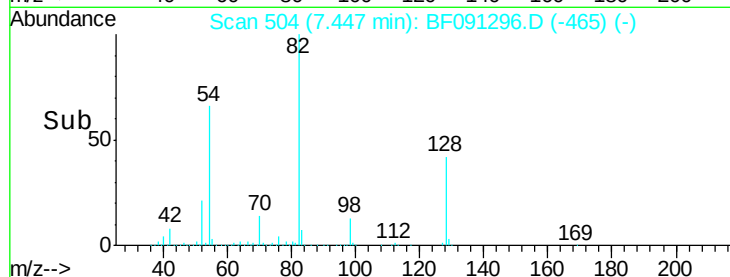
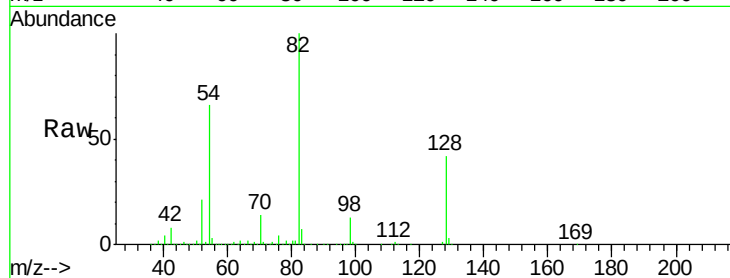
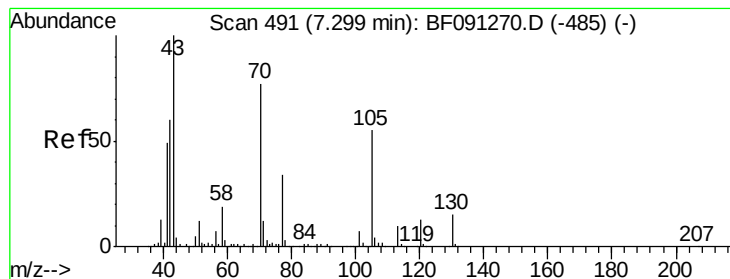


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 20.04 ng

RT: 7.45 min Scan# 504

Delta R.T. 0.15 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

Tgt Ion: 70 Resp: 205940

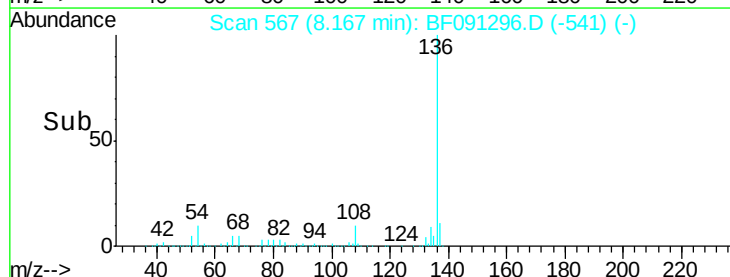
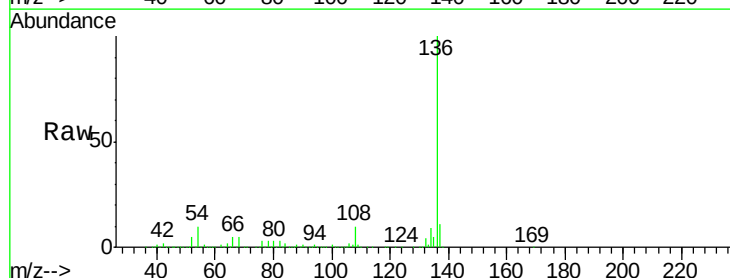
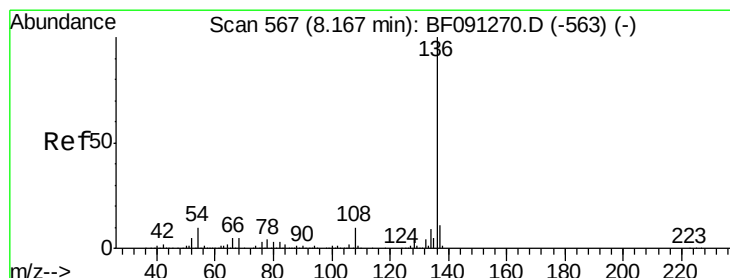
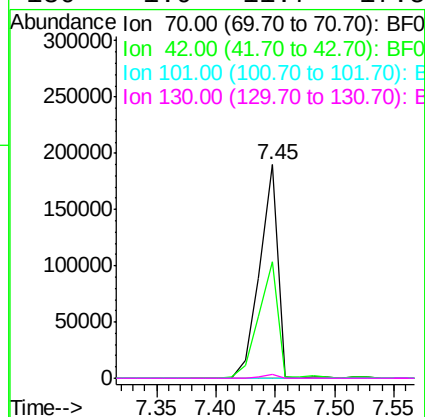
Ion Ratio Lower Upper

70 100

42 54.8 64.8 97.2#

101 0.0 6.2 9.4#

130 1.9 11.7 17.5#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Tgt Ion: 136 Resp: 856756

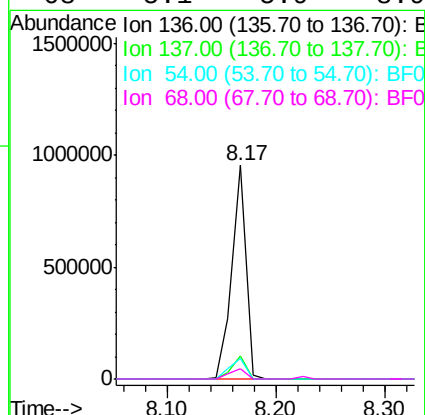
Ion Ratio Lower Upper

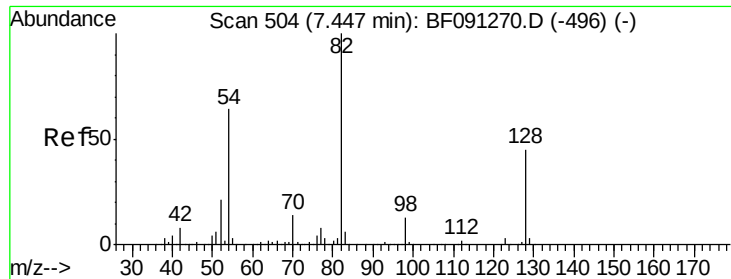
136 100

137 10.9 9.1 13.7

54 9.9 9.1 13.7

68 5.1 5.9 8.9#

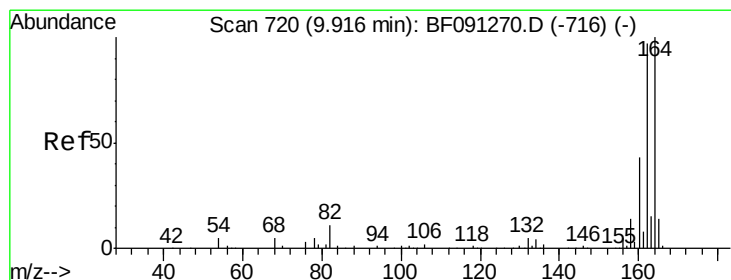
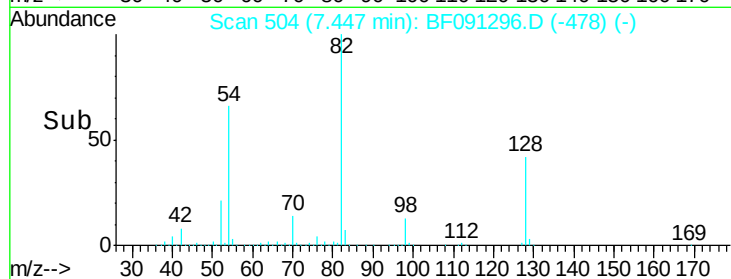
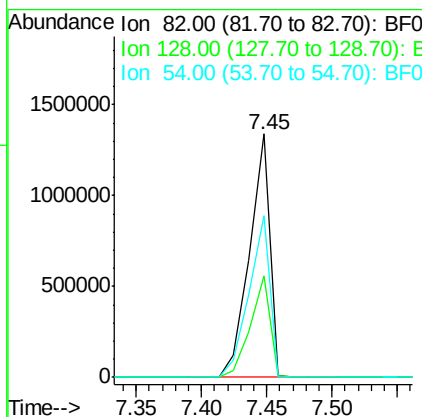
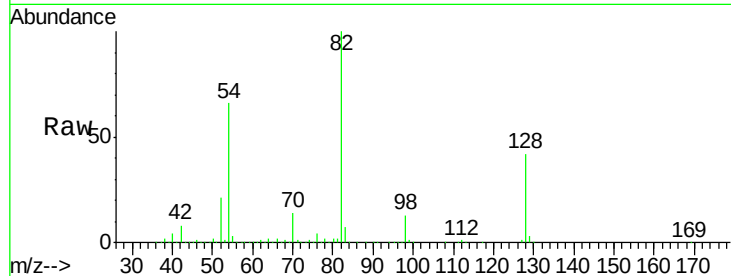




#23
 Nitrobenzene-d5
 Concen: 97.56 ng
 RT: 7.45 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: BF091296.D
 Acq: 24 Nov 2016 1:05

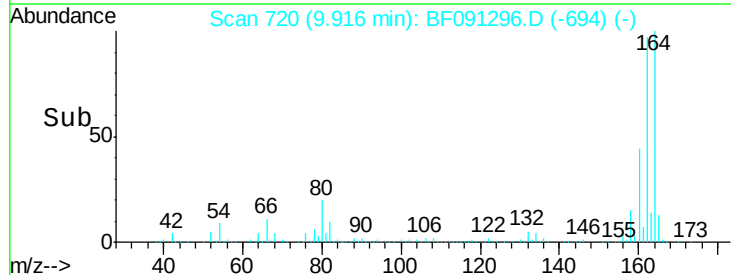
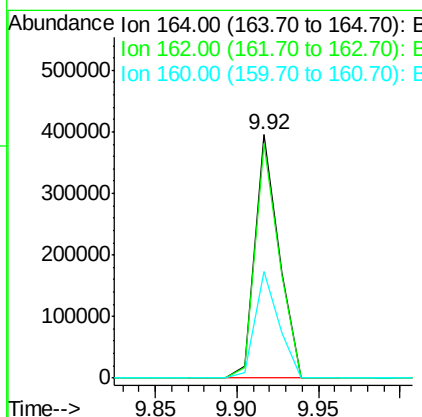
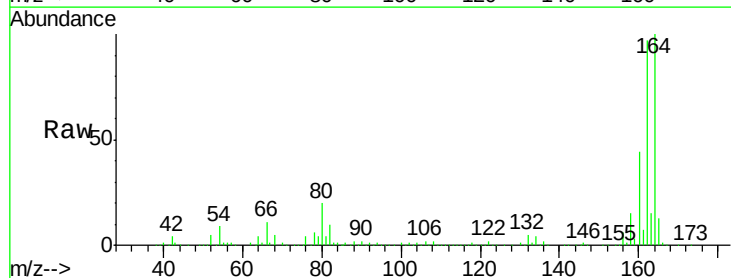
Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

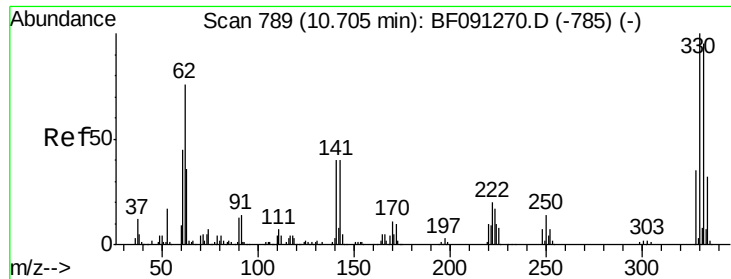
Tgt Ion: 82 Resp: 1451963
 Ion Ratio Lower Upper
 82 100
 128 41.9 31.8 47.6
 54 66.4 49.1 73.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: BF091296.D
 Acq: 24 Nov 2016 1:05

Tgt Ion: 164 Resp: 402464
 Ion Ratio Lower Upper
 164 100
 162 96.6 82.6 124.0
 160 44.0 36.7 55.1

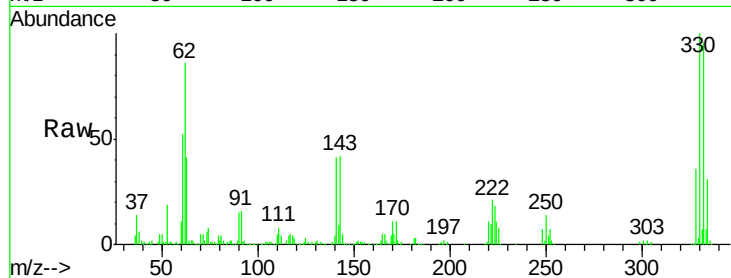




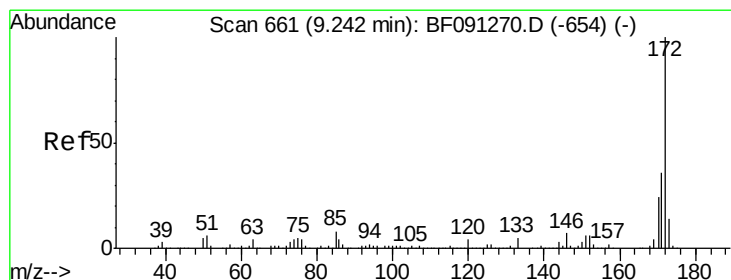
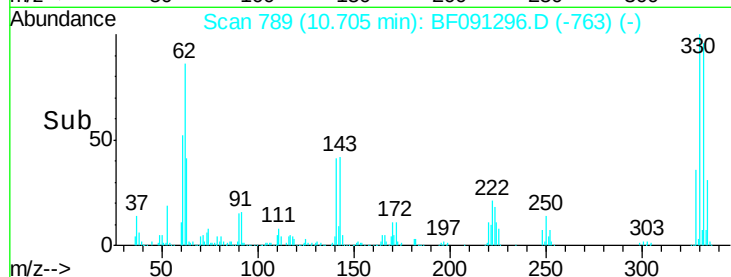
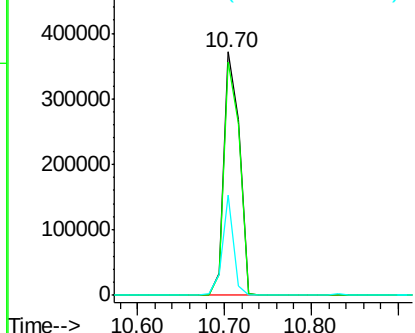
#41
 2,4,6-Tribromophenol
 Concen: 114.90 ng
 RT: 10.70 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF091296.D
 Acq: 24 Nov 2016 1:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

Tgt Ion:330 Resp: 466319
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.2 114.4
 141 30.0 33.6 50.4#

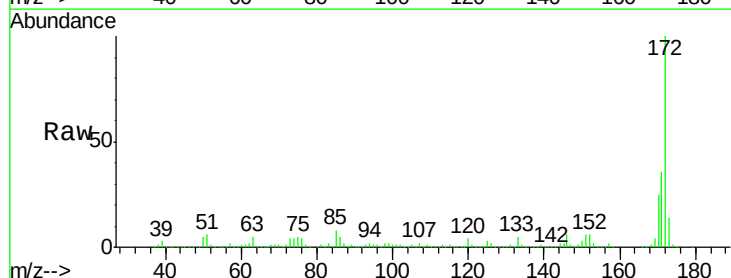


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

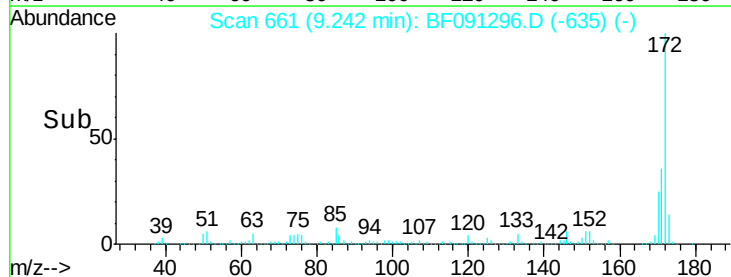
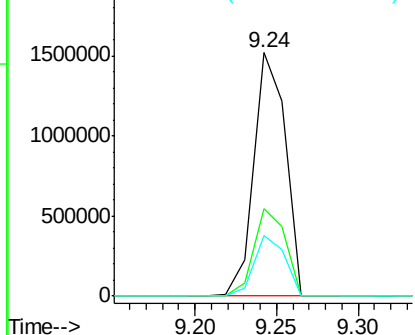


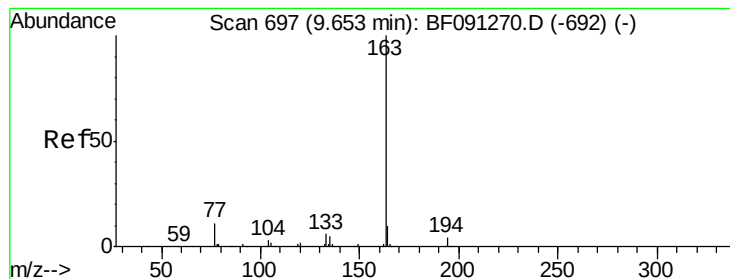
#44
 2-Fluorobiphenyl
 Concen: 83.03 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091296.D
 Acq: 24 Nov 2016 1:05

Tgt Ion:172 Resp: 2040872
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.7 19.7 29.5



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: 4.73 ng

RT: 9.63 min Scan# 695

Delta R.T. -0.02 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

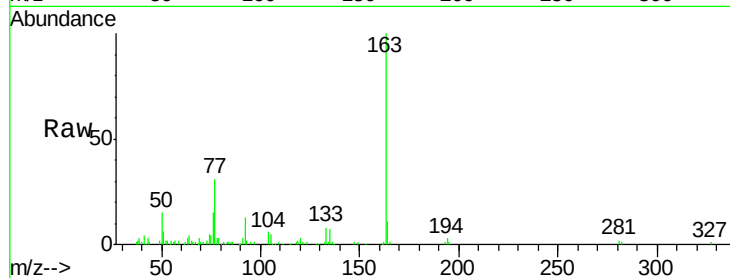
Tgt Ion:163 Resp: 118967

Ion Ratio Lower Upper

163 100

194 2.9 3.0 4.4#

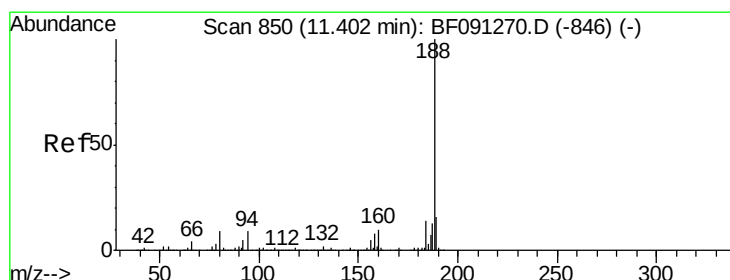
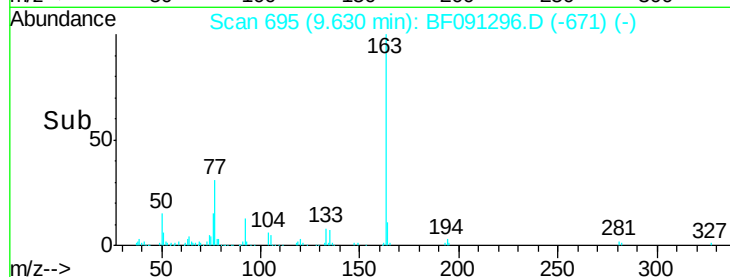
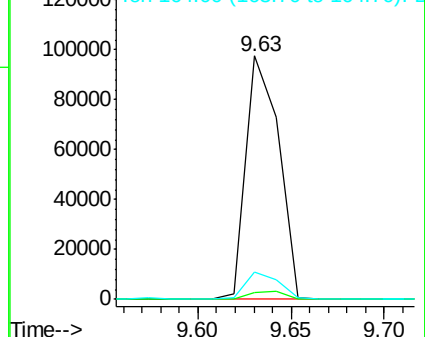
164 11.2 7.8 11.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

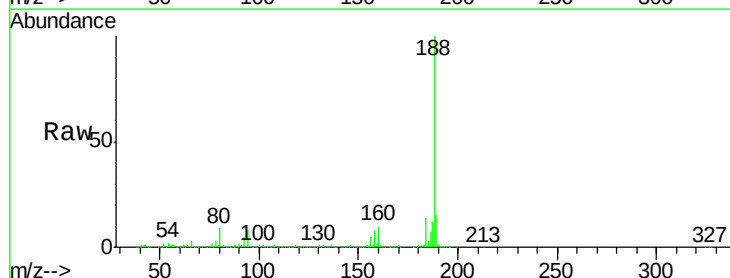
Tgt Ion:188 Resp: 564694

Ion Ratio Lower Upper

188 100

94 7.7 9.2 13.8#

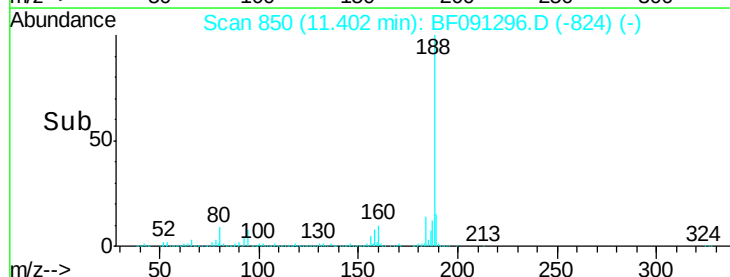
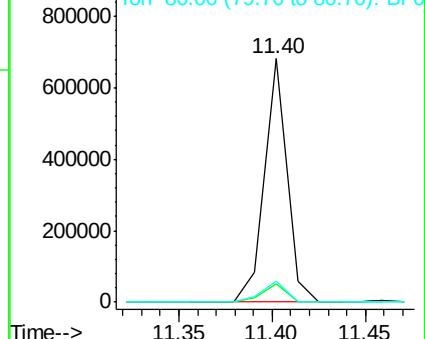
80 8.7 10.5 15.7#

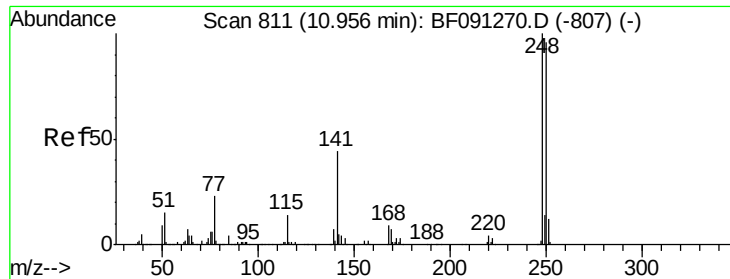


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

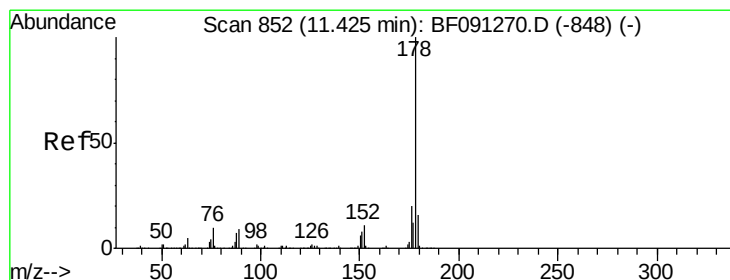
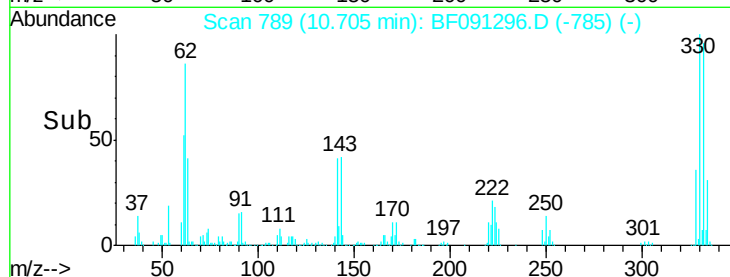
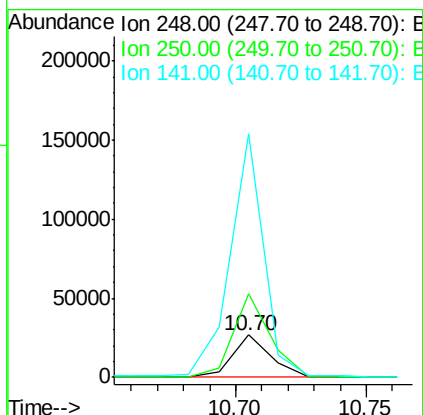
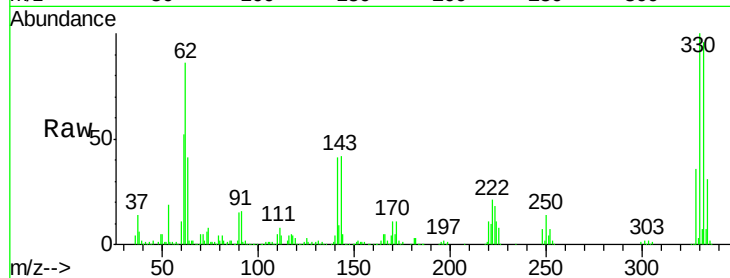




#66
 4-Bromophenyl-phenylether
 Concen: 4.33 ng
 RT: 10.70 min Scan# 789
 Delta R.T. -0.25 min
 Lab File: BF091296.D
 Acq: 24 Nov 2016 1:05

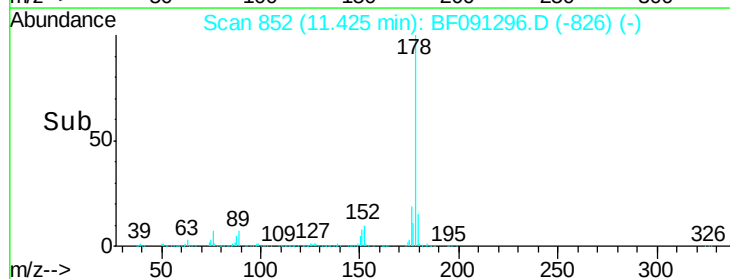
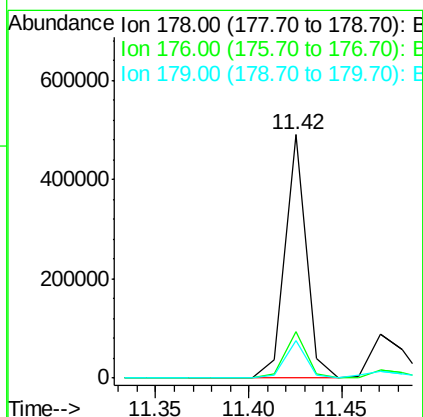
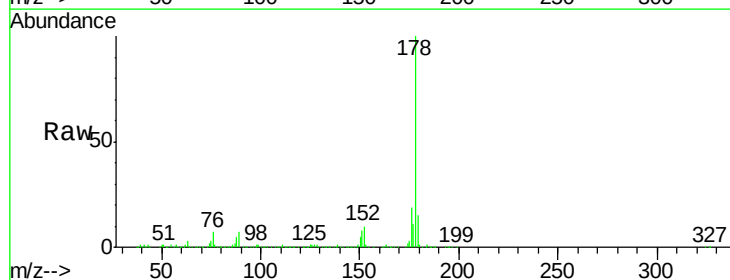
Instrument :
 BNA_F
 ClientSampleId :
 SB-05(0-0.16)

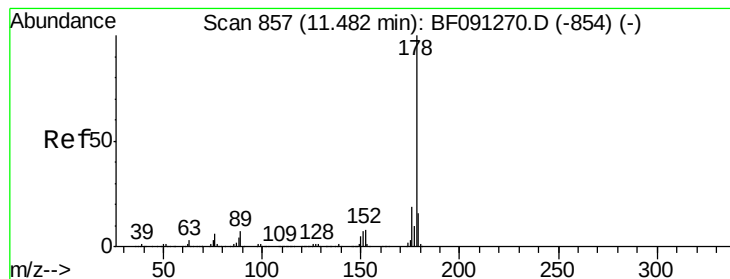
Tgt Ion:248 Resp: 26699
 Ion Ratio Lower Upper
 248 100
 250 196.8 78.2 117.4#
 141 574.3 71.9 107.9#



#70
 Phenanthrene
 Concen: 13.35 ng
 RT: 11.42 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: BF091296.D
 Acq: 24 Nov 2016 1:05

Tgt Ion:178 Resp: 391115
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.9 23.9
 179 15.4 12.6 18.8





#71

Anthracene

Concen: 3.57 ng

RT: 11.47 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

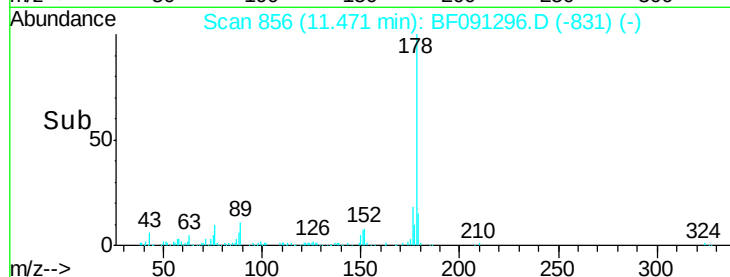
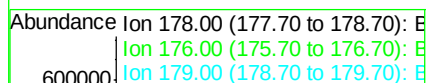
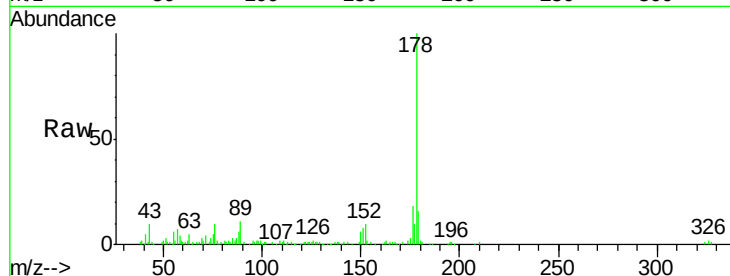
Tgt Ion:178 Resp: 107053

Ion Ratio Lower Upper

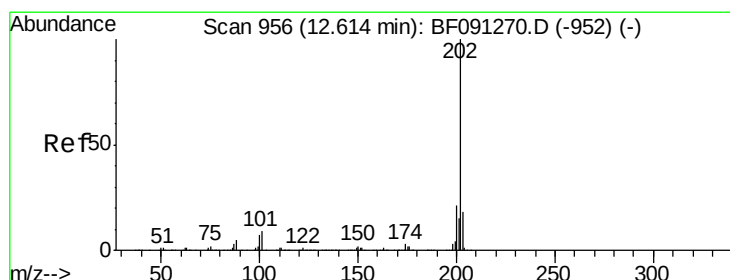
178 100

176 18.1 15.8 23.6

179 15.8 12.7 19.1



Time--> 11.40 11.45 11.50 11.55



#74

Fluoranthene

Concen: 23.88 ng

RT: 12.61 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

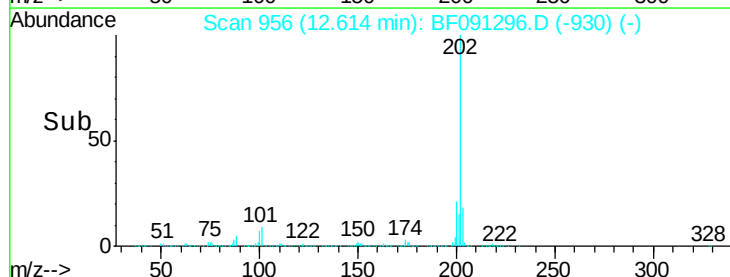
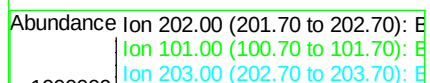
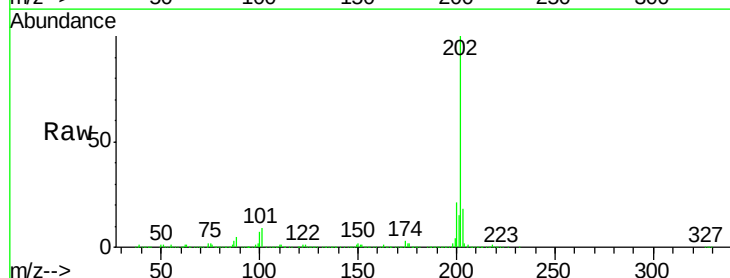
Tgt Ion:202 Resp: 711472

Ion Ratio Lower Upper

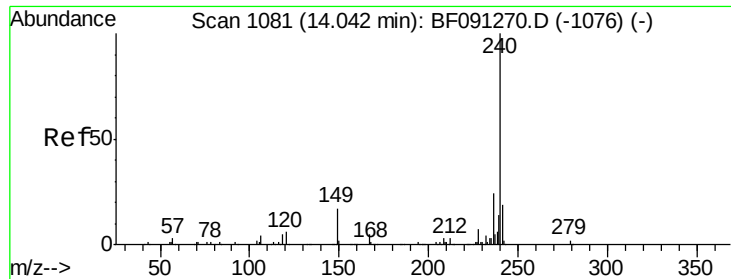
202 100

101 9.0 0.0 29.5

203 17.6 0.0 37.8



Time--> 12.55 12.60 12.65



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

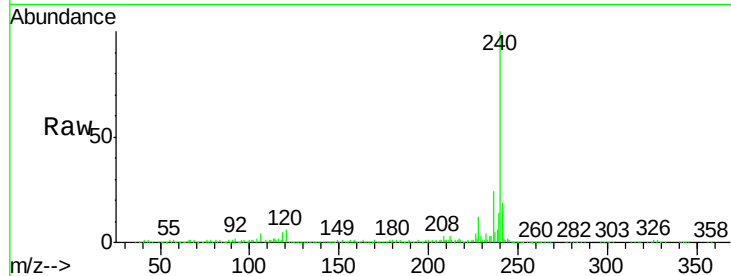
Tgt Ion:240 Resp: 485217

Ion Ratio Lower Upper

240 100

120 5.7 12.1 18.1#

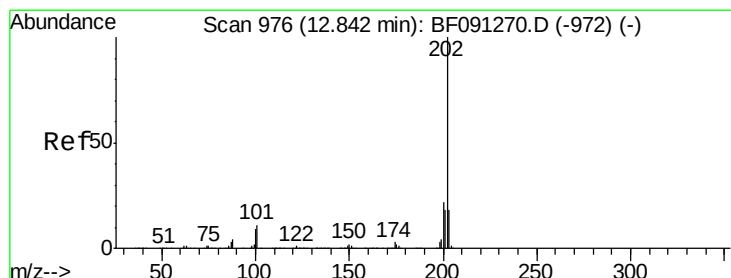
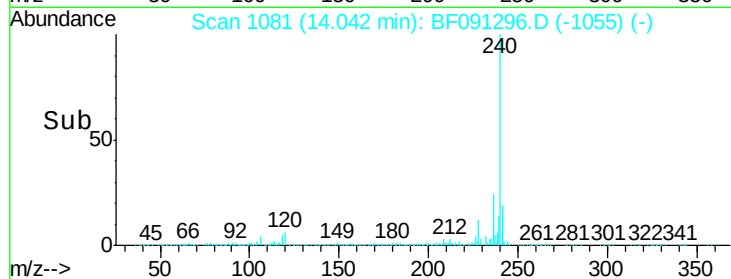
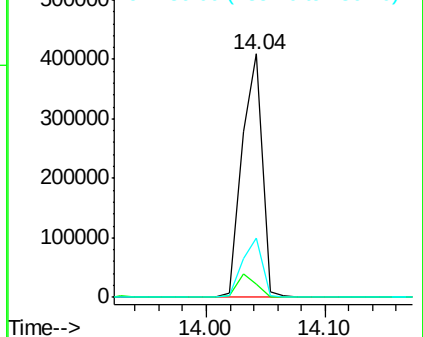
236 24.3 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 17.26 ng

RT: 12.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

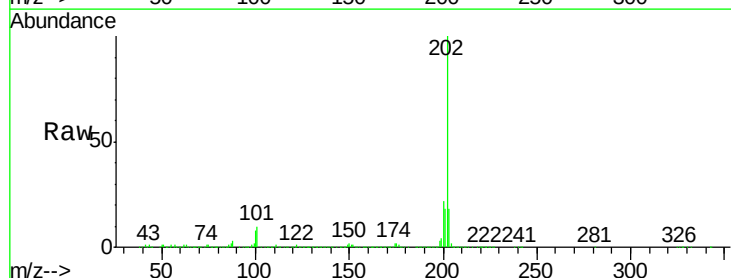
Tgt Ion:202 Resp: 618850

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

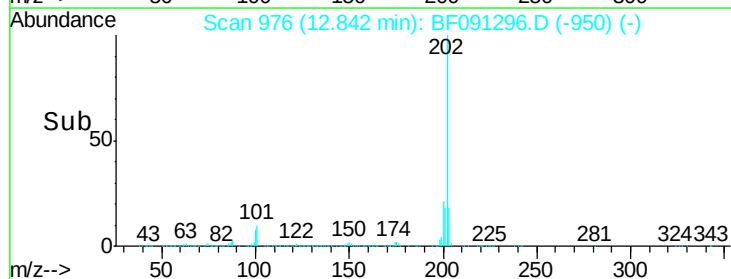
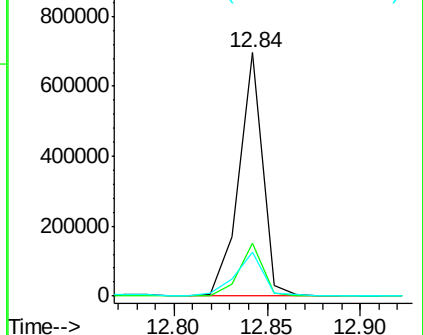
203 17.9 14.0 21.0

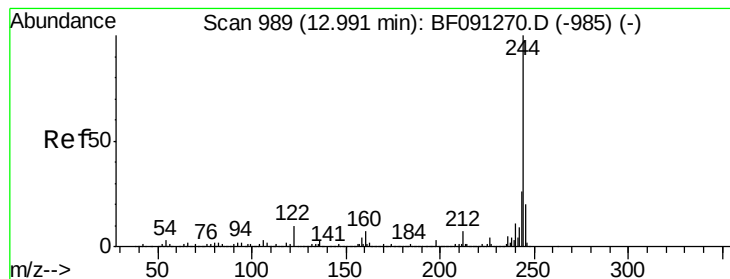


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.09 ng

RT: 12.99 min Scan# 989

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

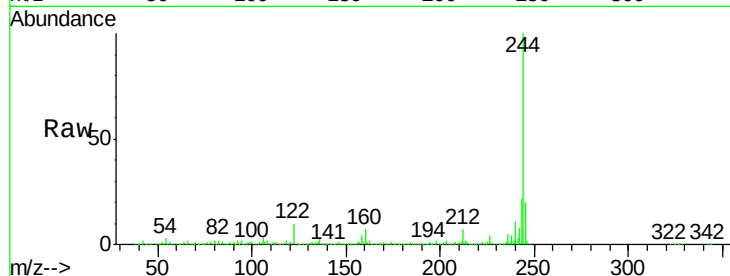
Tgt Ion:244 Resp: 1234196

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

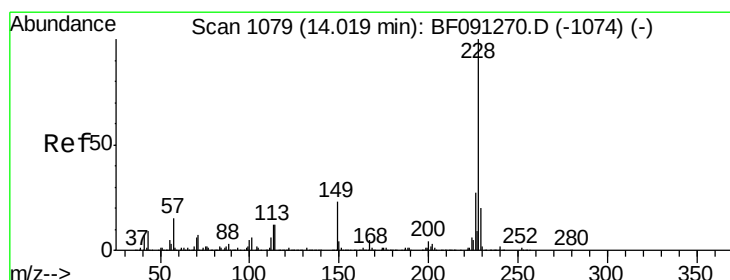
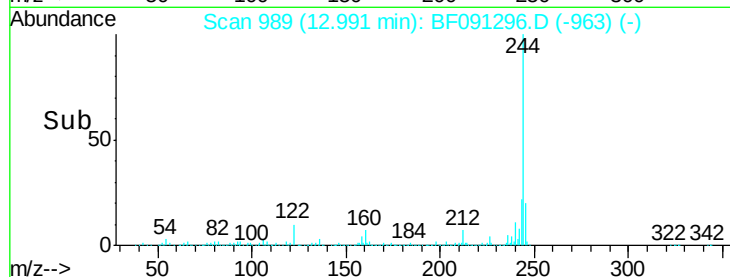
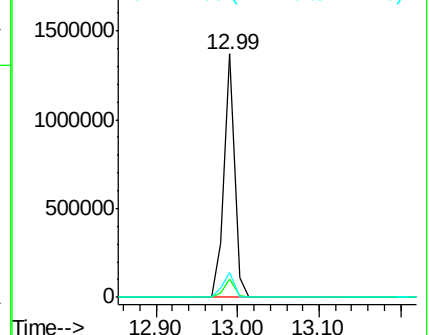
122 10.2 9.5 14.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 12.46 ng

RT: 14.03 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

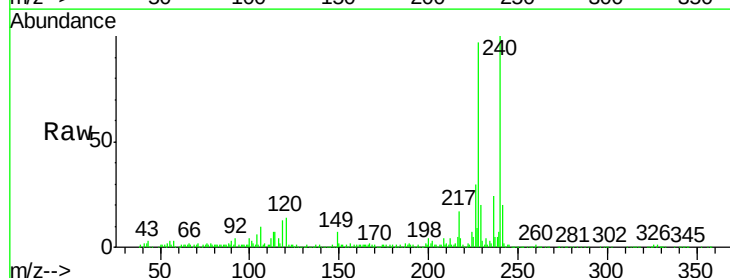
Tgt Ion:228 Resp: 343205

Ion Ratio Lower Upper

228 100

226 31.0 22.5 33.7

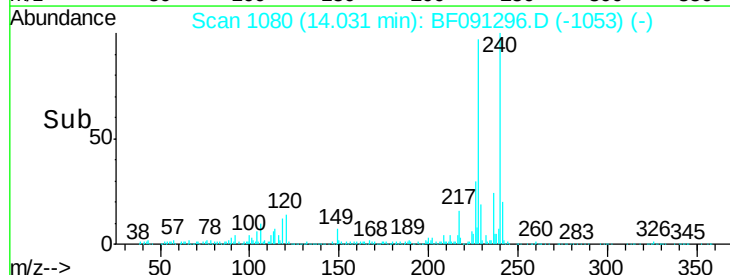
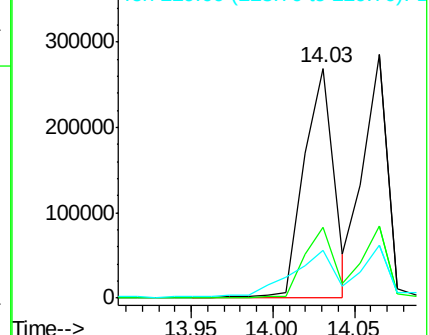
229 20.6 16.4 24.6

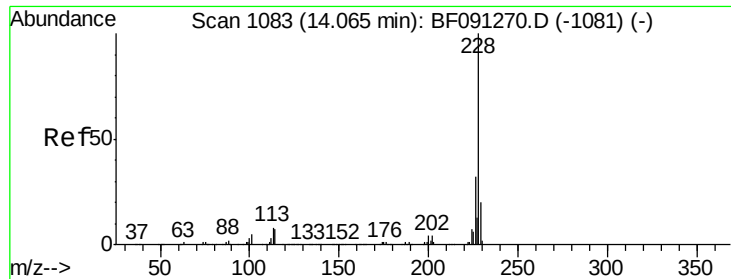


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.19 ng

RT: 14.03 min Scan# 1080

Delta R.T. -0.03 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

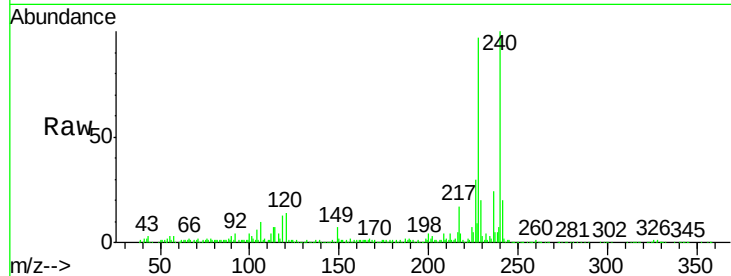
Tgt Ion:228 Resp: 343205

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.4

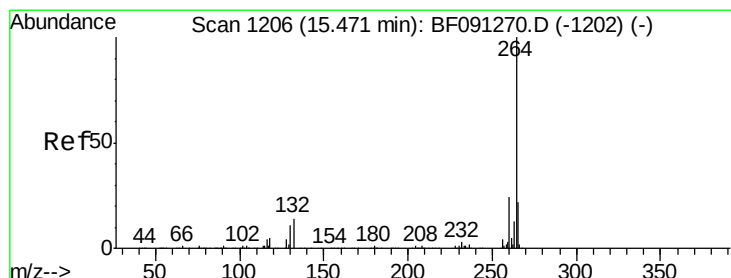
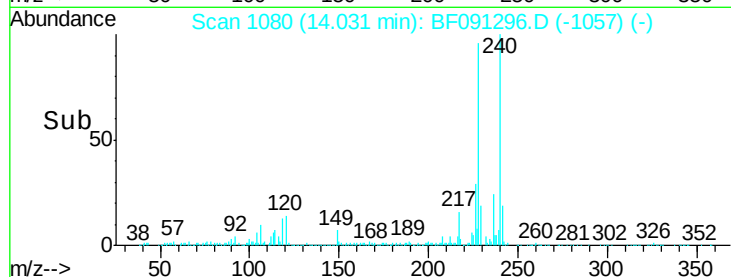
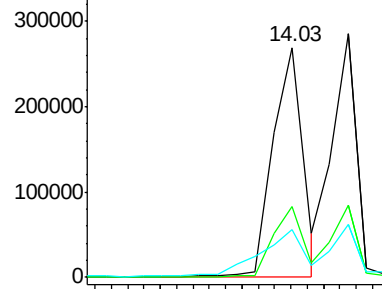
229 20.6 16.0 24.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1207

Delta R.T. 0.01 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

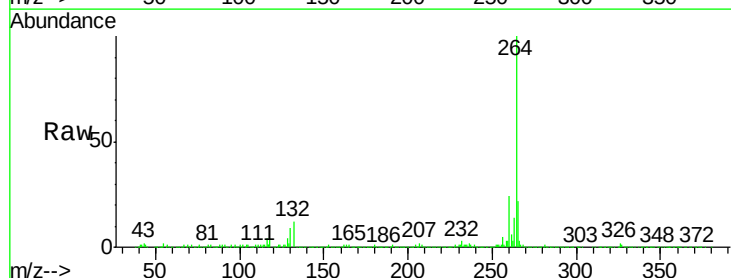
Tgt Ion:264 Resp: 413750

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

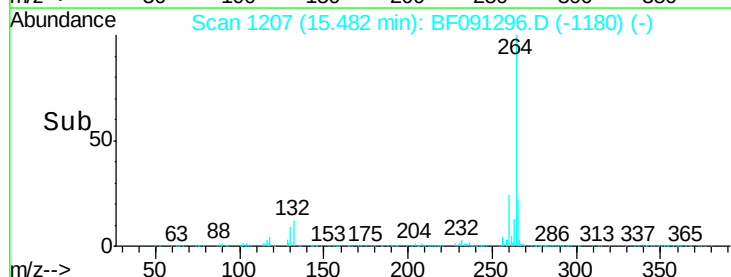
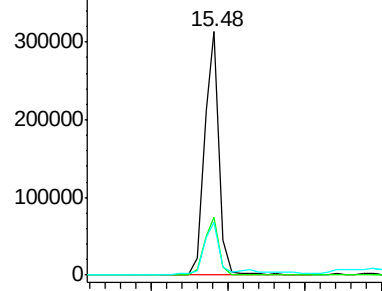
265 21.9 17.0 25.6

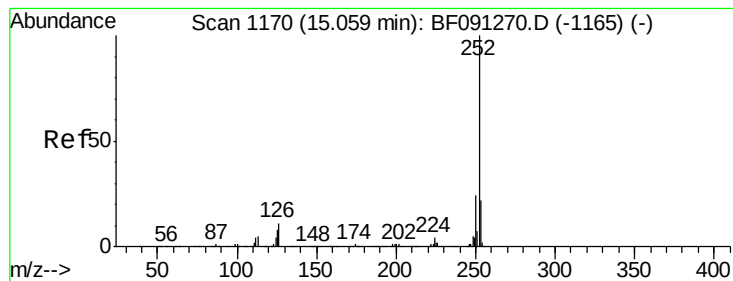


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 20.02 ng

RT: 15.06 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

Instrument :

BNA_F

ClientSampleId :

SB-05(0-0.16)

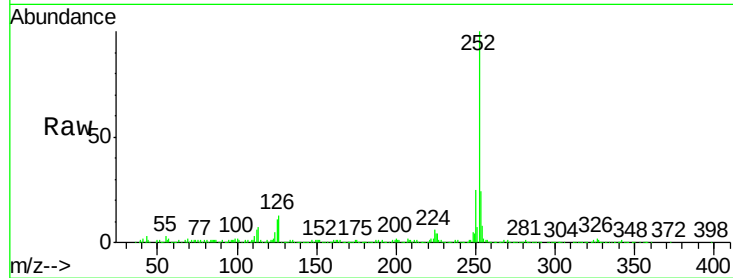
Tgt Ion:252 Resp: 522476

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

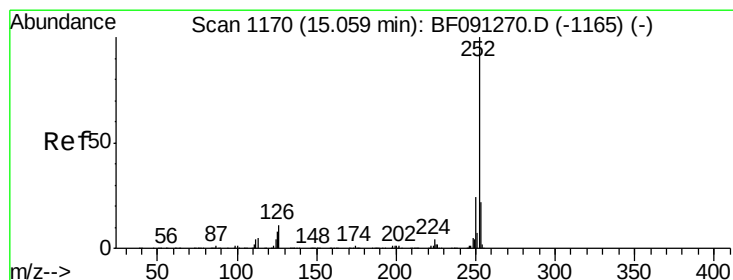
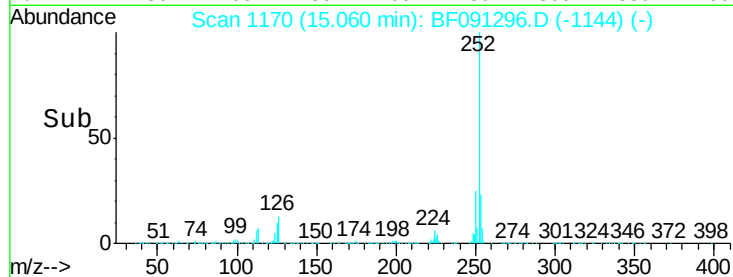
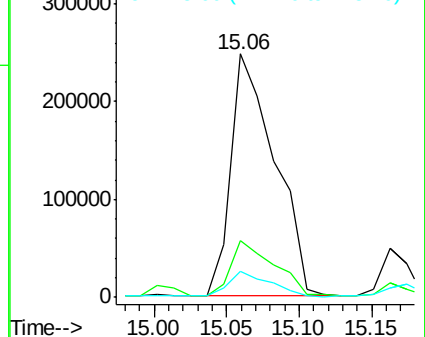
125 10.7 8.6 13.0



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: 24.51 ng

RT: 15.06 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF091296.D

Acq: 24 Nov 2016 1:05

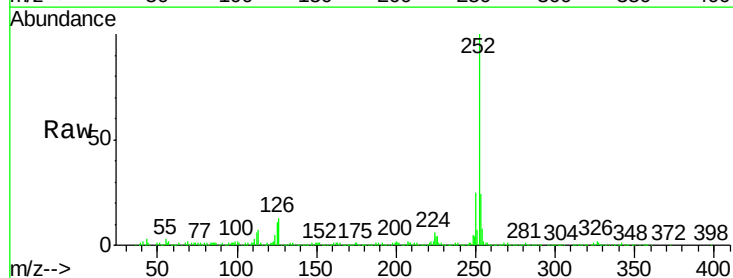
Tgt Ion:252 Resp: 522476

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

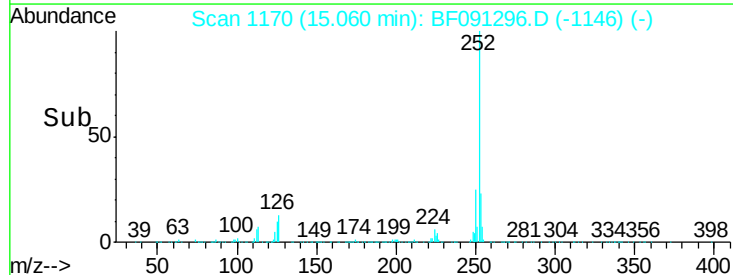
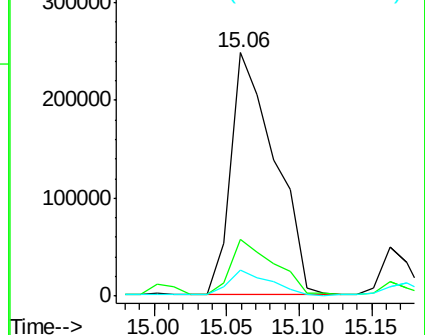
125 10.7 9.6 14.4

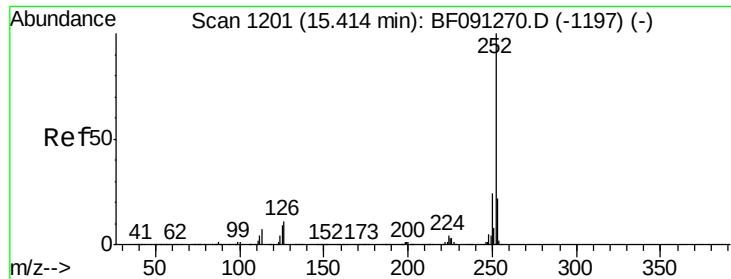


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

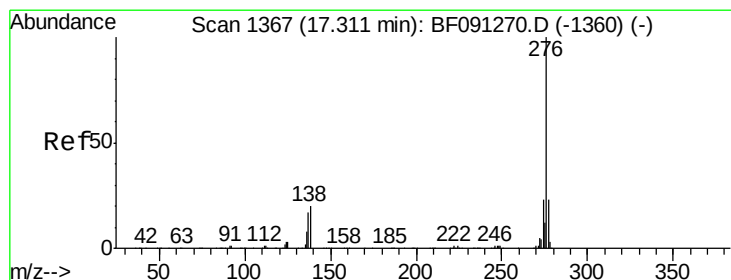
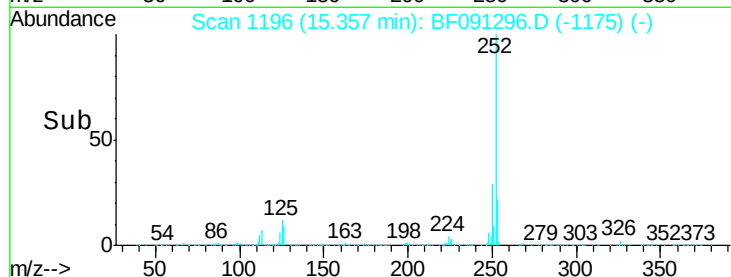
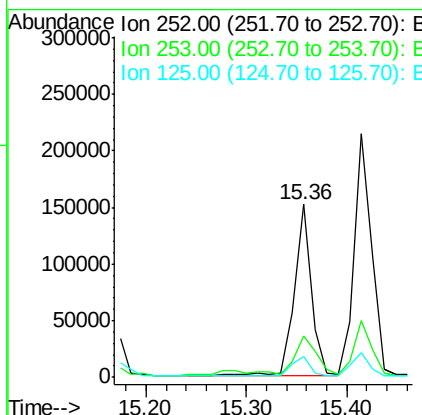
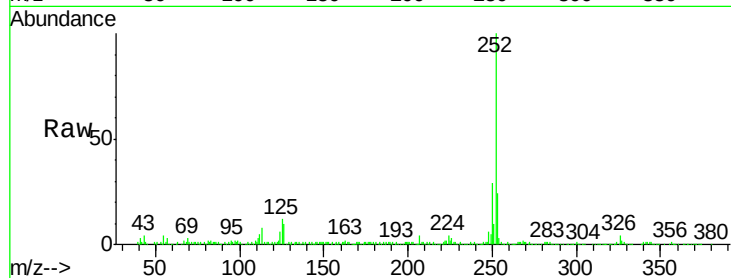




#89
Benzo(a)pyrene
Concen: 8.16 ng
RT: 15.36 min Scan# 1196
Delta R.T. -0.06 min
Lab File: BF091296.D
Acq: 24 Nov 2016 1:05

Instrument :
BNA_F
ClientSampleId :
SB-05(0-0.16)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	12.1	10.4	15.6



#91
Benzo(g,h,i)perylene
Concen: 6.26 ng
RT: 17.31 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BF091296.D
Acq: 24 Nov 2016 1:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.0	28.4
138	20.7	15.4	23.0

