

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
 Data File : BF091073.D
 Acq On : 7 Nov 2016 23:07
 Operator : UM/SJ
 Sample : H5526-15DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-105-0.5-1.0DL

Quant Time: Nov 07 23:59:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	130358	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	441989	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	225828	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	353467	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	371870	20.00	ng	-0.03
86) Perylene-d12	15.22	264	336075	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	209092	26.49	ng	-0.03
7) Phenol-d6	6.33	99	283205	26.43	ng	-0.02
23) Nitrobenzene-d5	7.24	82	67042	8.27	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	37028	18.14	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	255961	19.51	ng	-0.03
78) Terphenyl-d14	12.77	244	233653	15.68	ng	-0.03

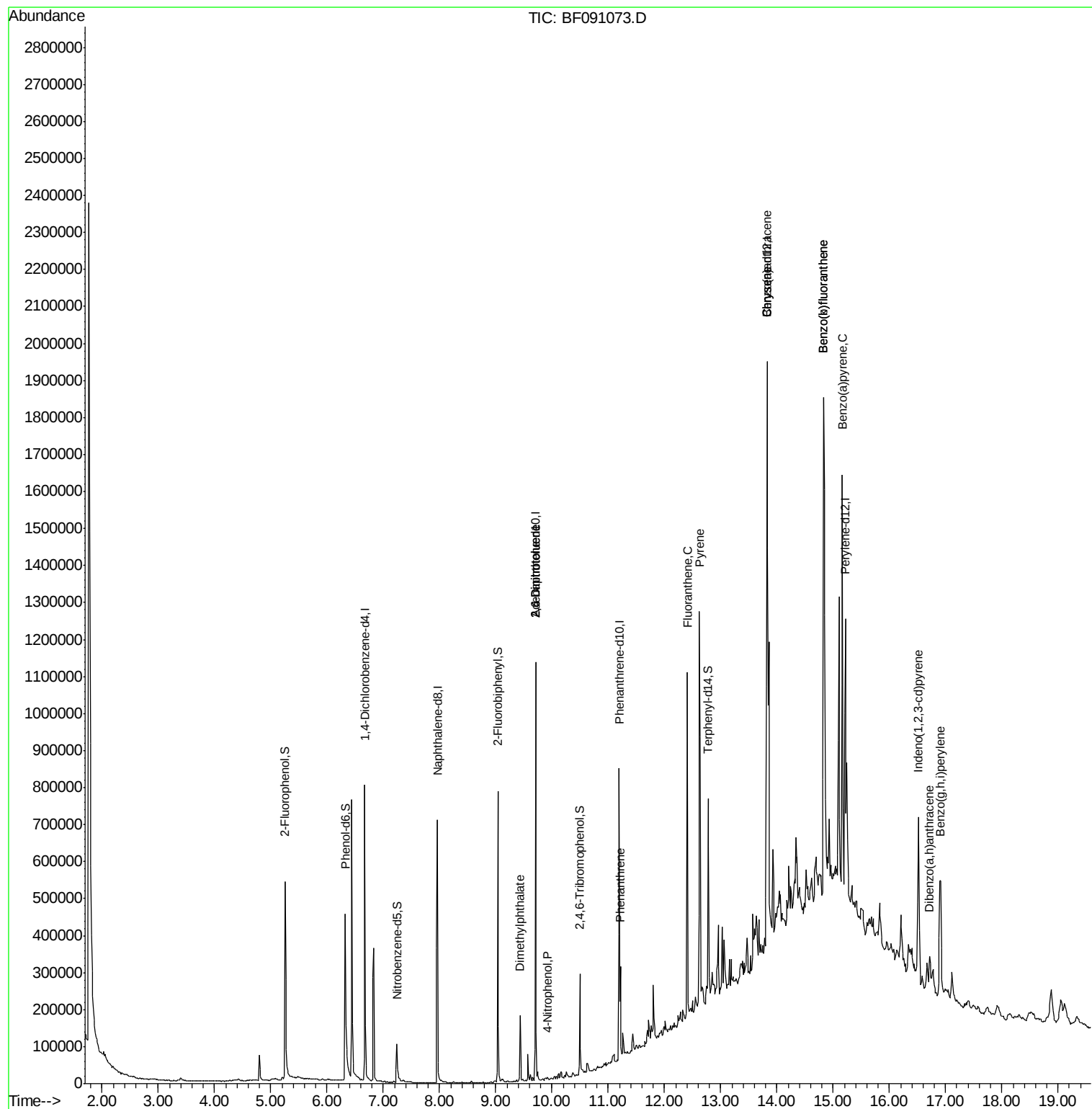
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.44	163	73937	4.99	ng	99
50) 2,6-Dinitrotoluene	9.71	165	30223	9.52	ng	# 11
55) 4-Nitrophenol	9.92	139	1018	6.11	ng	# 29
56) 2,4-Dinitrotoluene	9.71	165	30224	7.49	ng	# 25
70) Phenanthrene	11.22	178	111026	5.91	ng	97
74) Fluoranthene	12.41	202	551973	28.32	ng	88
77) Pyrene	12.63	202	587958	24.14	ng	96
80) Benzo(a)anthracene	13.83	228	440003	20.84	ng	98
82) Chrysene	13.83	228	440271	21.15	ng	97
85) Indeno(1,2,3-cd)pyrene	16.51	276	331381	19.18	ng	# 91
87) Benzo(b)fluoranthene	14.83	252	986931	43.30	ng	# 97
88) Benzo(k)fluoranthene	14.83	252	986931	49.36	ng	99
89) Benzo(a)pyrene	15.16	252	486252	24.50	ng	97
90) Dibenzo(a,h)anthracene	16.72	278	53639	3.13	ng	95
91) Benzo(g,h,i)perylene	16.91	276	284760	18.36	ng	# 90

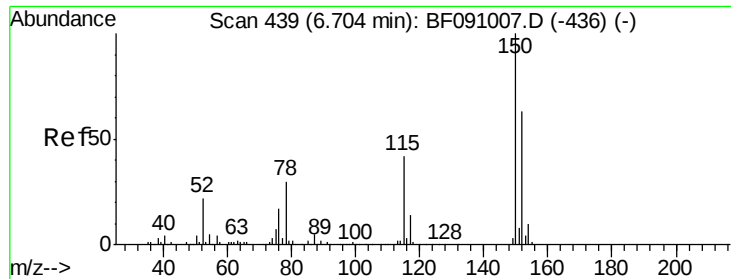
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

Instrument :

BNA_F

ClientSampleId :

SB-105-0.5-1.0DL

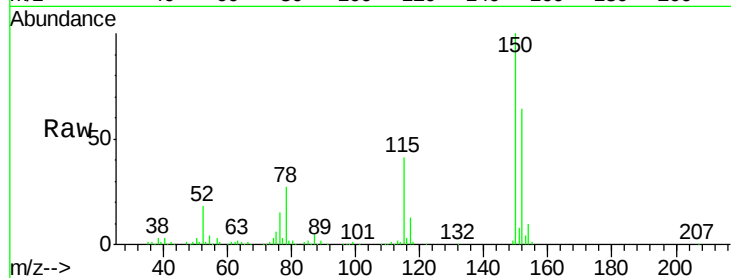
Tgt Ion:152 Resp: 130358

Ion Ratio Lower Upper

152 100

150 157.2 126.8 190.2

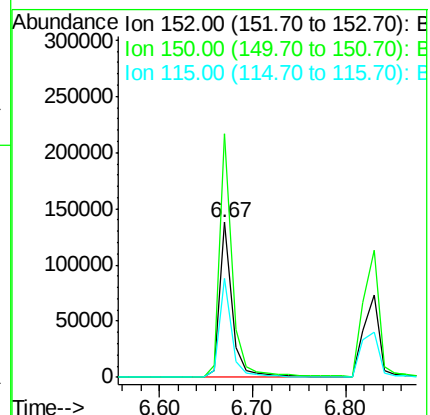
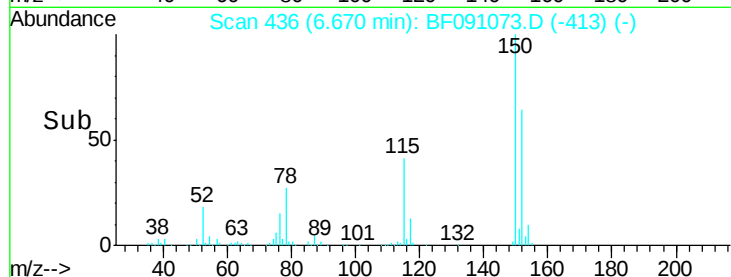
115 64.1 53.3 79.9



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: 26.49 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.03 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

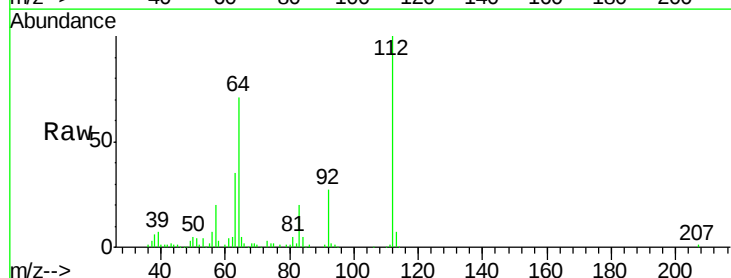
Tgt Ion:112 Resp: 209092

Ion Ratio Lower Upper

112 100

64 70.6 55.8 83.6

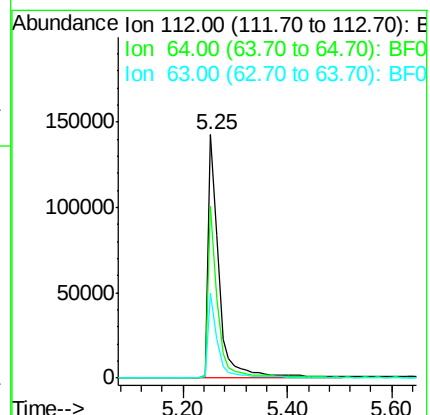
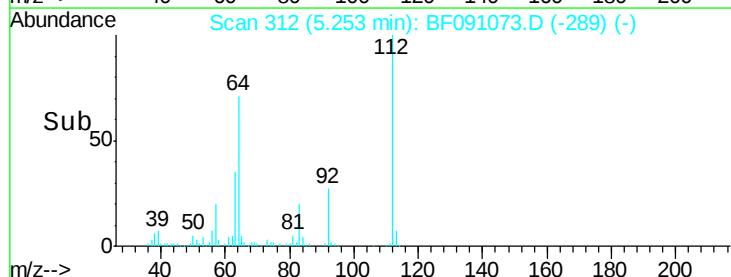
63 34.7 28.0 42.0



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: 26.43 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

Instrument :

BNA_F

ClientSampleId :

SB-105-0.5-1.0DL

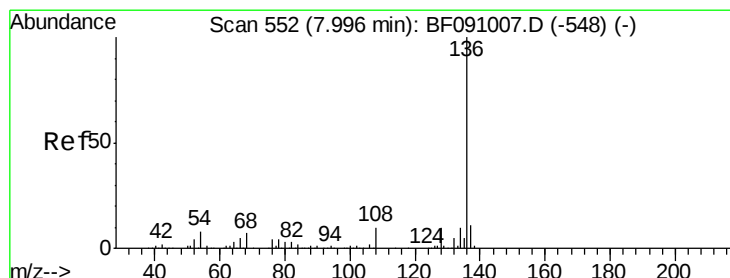
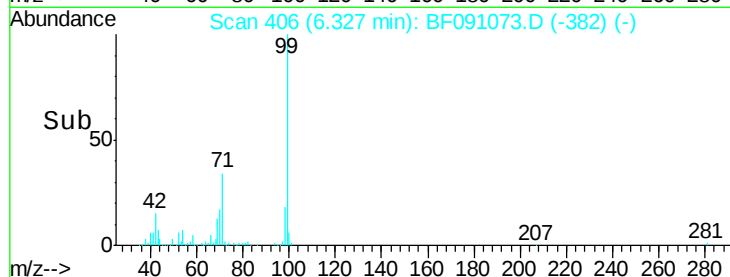
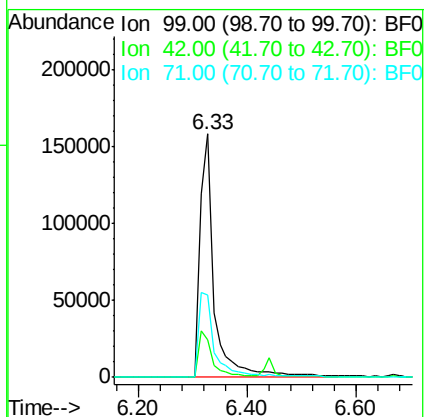
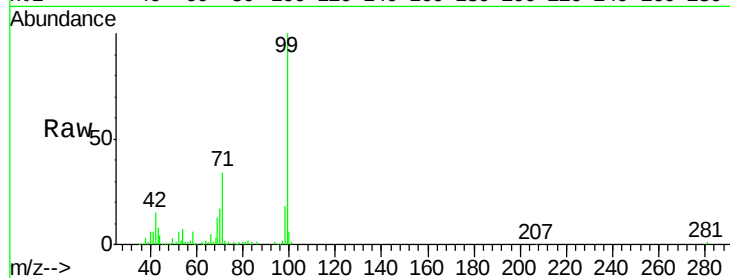
Tgt Ion: 99 Resp: 283205

Ion Ratio Lower Upper

99 100

42 15.5 13.9 20.9

71 33.6 27.8 41.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

Tgt Ion: 136 Resp: 441989

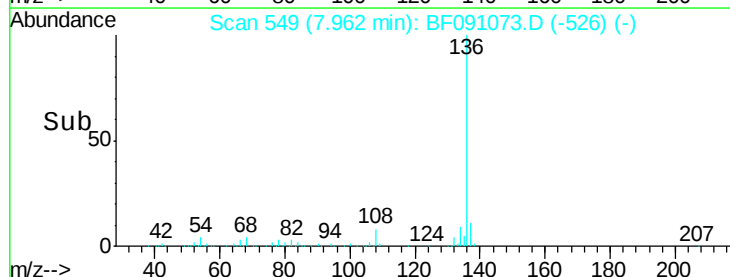
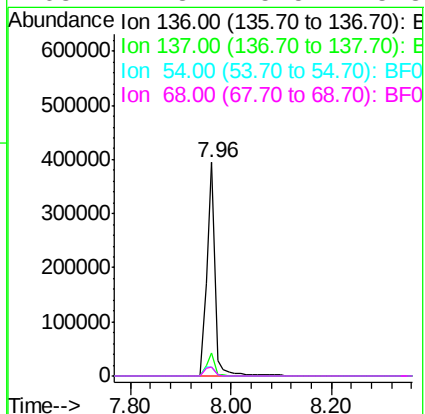
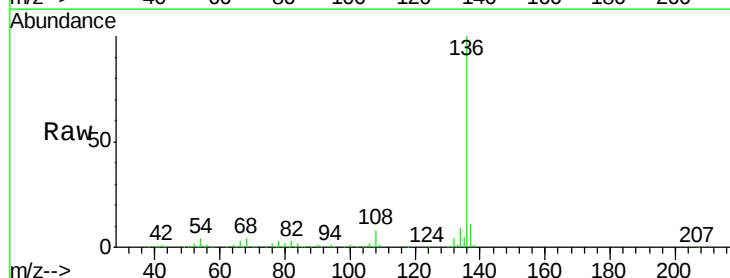
Ion Ratio Lower Upper

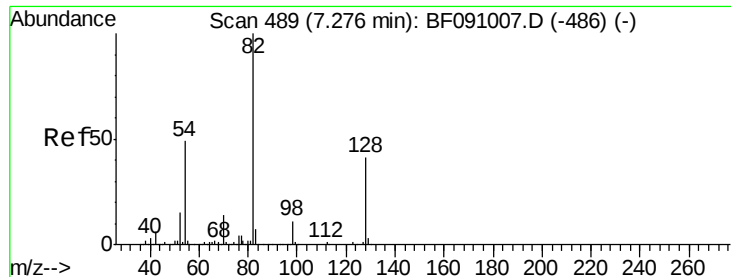
136 100

137 10.6 8.9 13.3

54 4.5 6.2 9.2#

68 4.3 5.5 8.3#

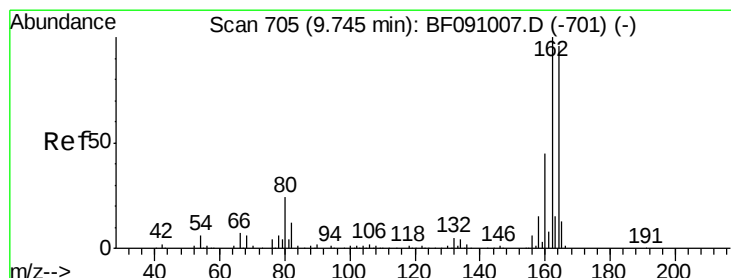
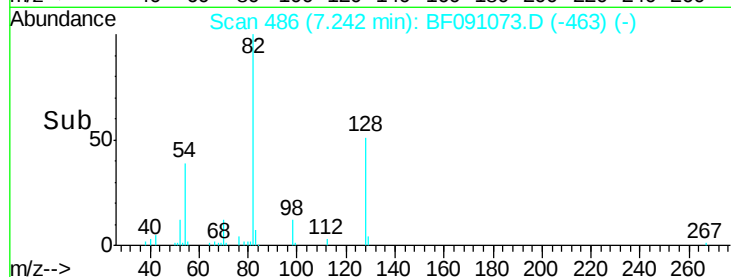
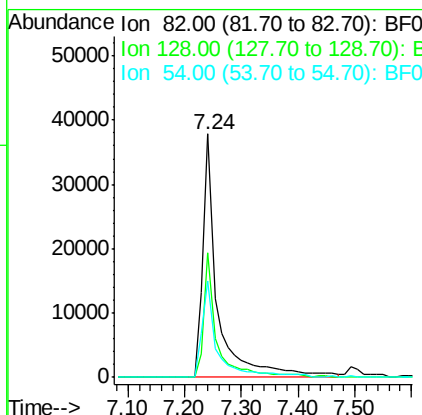
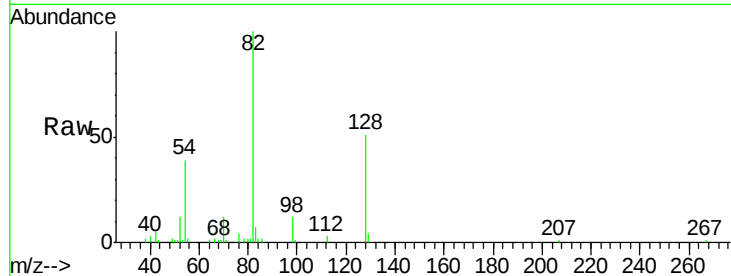




#23
 Nitrobenzene-d5
 Concen: 8.27 ng
 RT: 7.24 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF091073.D
 Acq: 7 Nov 2016 23:07

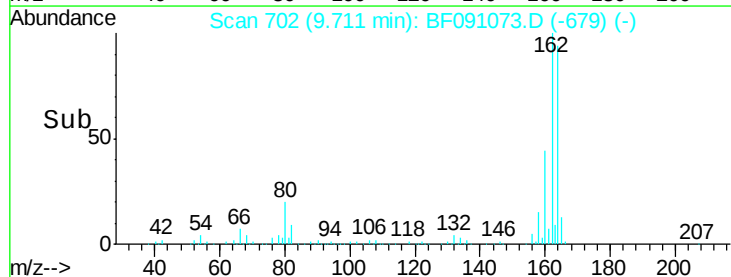
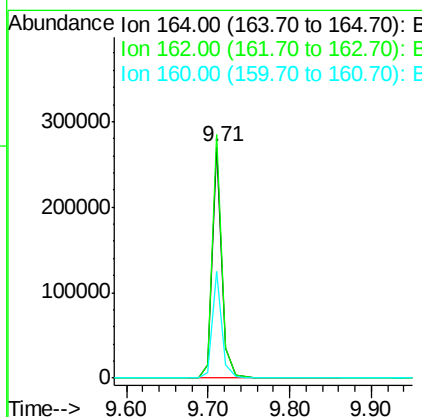
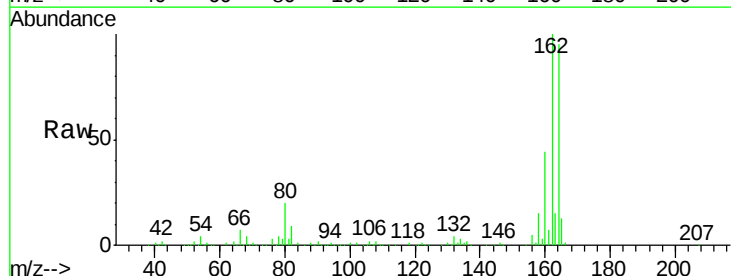
Instrument :
 BNA_F
 ClientSampleId :
 SB-105-0.5-1.0DL

Tgt Ion: 82 Resp: 67042
 Ion Ratio Lower Upper
 82 100
 128 51.0 32.4 48.6#
 54 39.4 39.2 58.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF091073.D
 Acq: 7 Nov 2016 23:07

Tgt Ion: 164 Resp: 225828
 Ion Ratio Lower Upper
 164 100
 162 105.3 83.6 125.4
 160 46.2 37.9 56.9

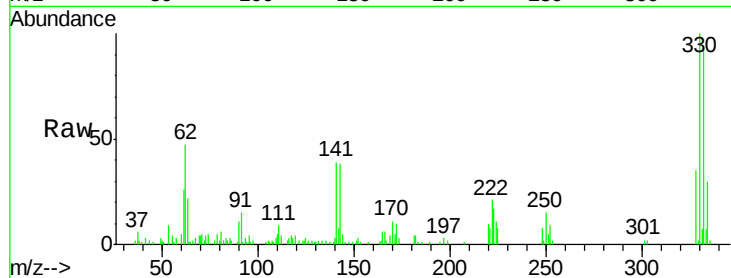




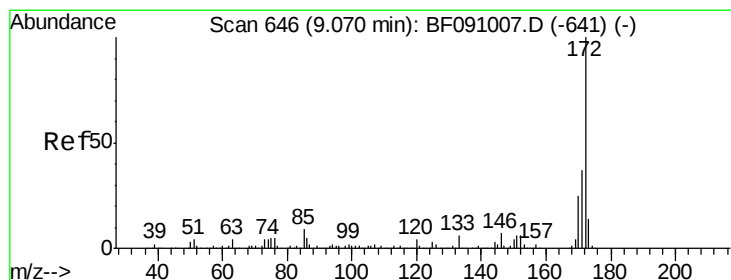
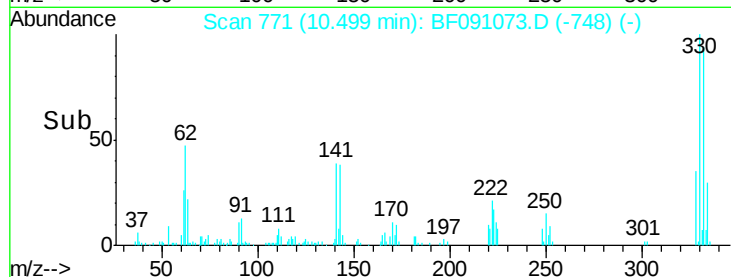
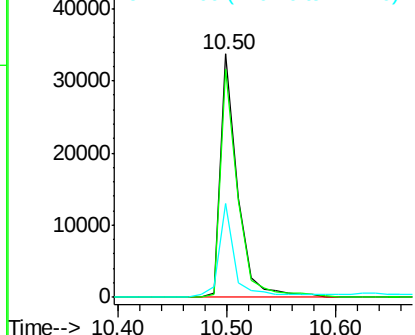
#41
 2,4,6-Tribromophenol
 Concen: 18.14 ng
 RT: 10.50 min Scan# 771
 Delta R.T. -0.03 min
 Lab File: BF091073.D
 Acq: 7 Nov 2016 23:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-105-0.5-1.0DL

Tgt Ion:330 Resp: 37028
 Ion Ratio Lower Upper
 330 100
 332 95.4 75.9 113.9
 141 36.9 36.1 54.1

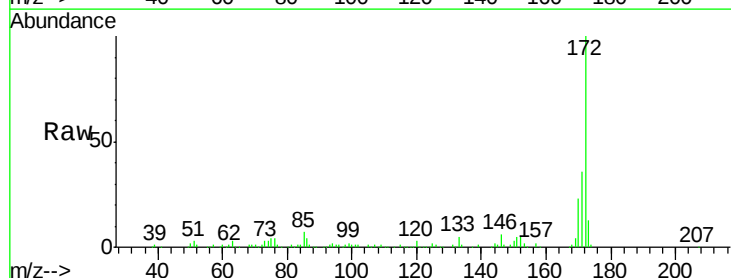


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

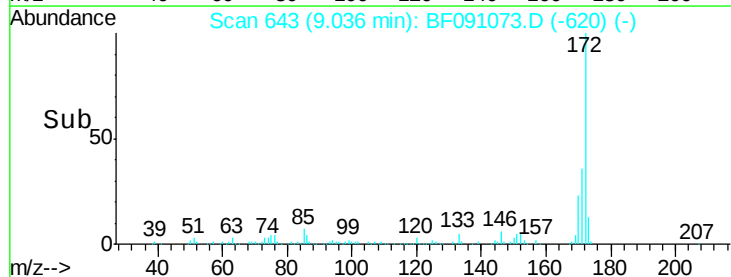
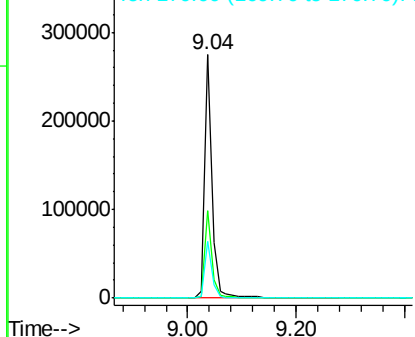


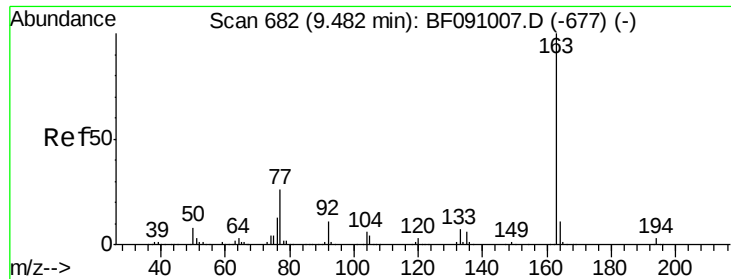
#44
 2-Fluorobiphenyl
 Concen: 19.51 ng
 RT: 9.04 min Scan# 643
 Delta R.T. -0.03 min
 Lab File: BF091073.D
 Acq: 7 Nov 2016 23:07

Tgt Ion:172 Resp: 255961
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.8 44.6
 170 23.4 20.3 30.5



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: 4.99 ng

RT: 9.44 min Scan# 678

Delta R.T. -0.05 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

Instrument :

BNA_F

ClientSampleId :

SB-105-0.5-1.0DL

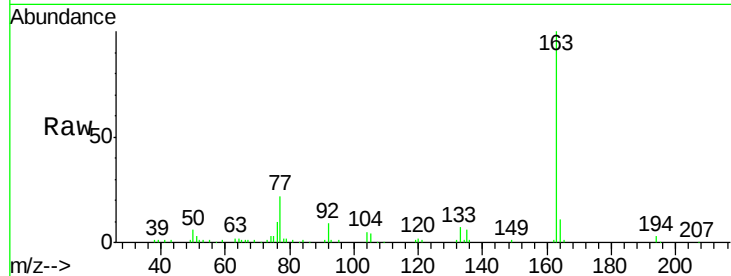
Tgt Ion:163 Resp: 73937

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

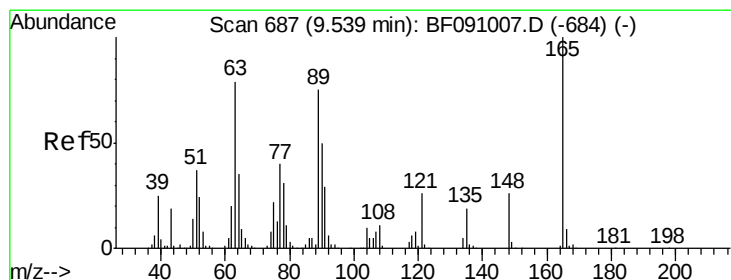
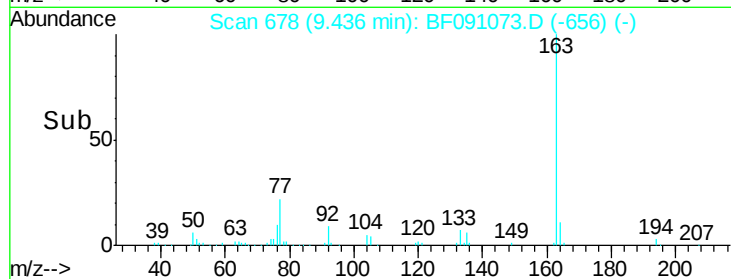
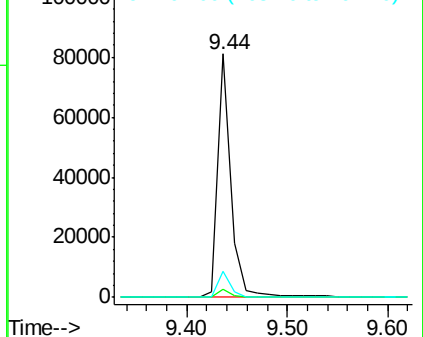
164 10.7 8.7 13.1



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



#50

2,6-Dinitrotoluene

Concen: 9.52 ng

RT: 9.71 min Scan# 702

Delta R.T. 0.17 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

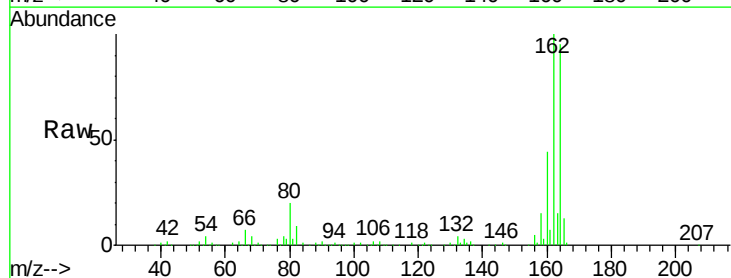
Tgt Ion:165 Resp: 30223

Ion Ratio Lower Upper

165 100

63 0.0 65.6 98.4#

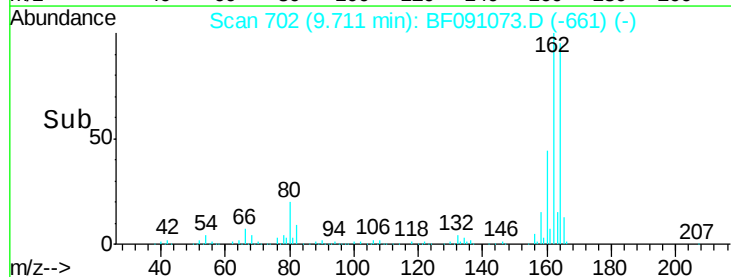
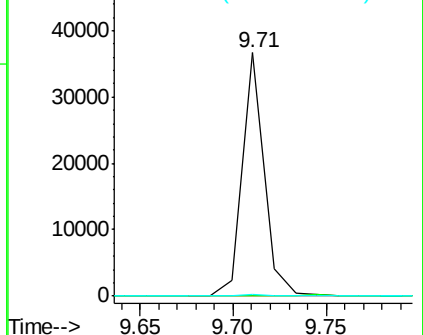
89 0.9 59.8 89.6#

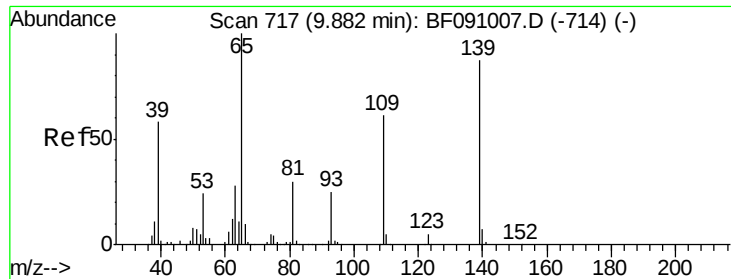


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#55

4-Nitrophenol

Concen: 6.11 ng

RT: 9.92 min Scan# 720

Delta R.T. 0.04 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

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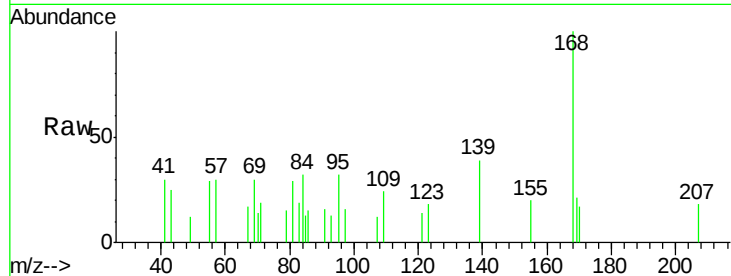
Tgt Ion:139 Resp: 1018

Ion Ratio Lower Upper

139 100

109 62.2 50.5 90.5

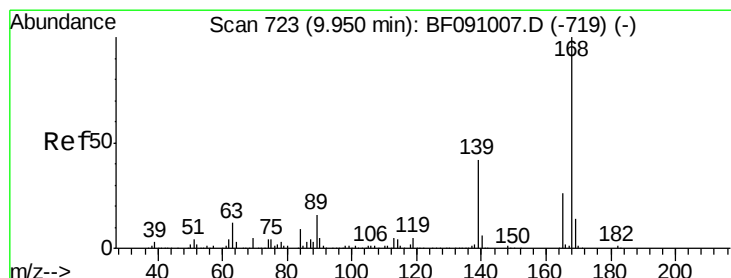
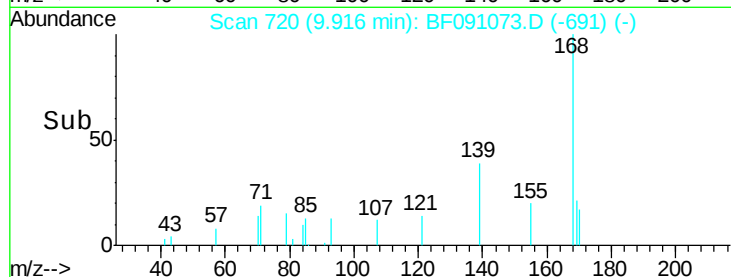
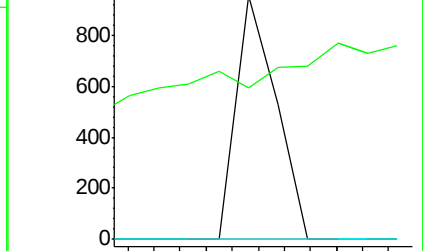
65 0.0 97.1 137.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 7.49 ng

RT: 9.71 min Scan# 702

Delta R.T. -0.24 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

Tgt Ion:165 Resp: 30224

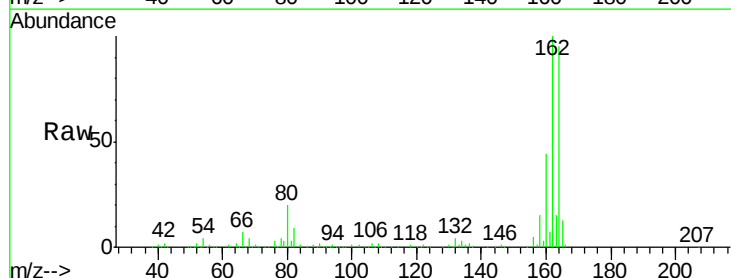
Ion Ratio Lower Upper

165 100

63 0.0 38.7 58.1#

89 0.9 50.6 76.0#

182 0.0 1.8 2.8#

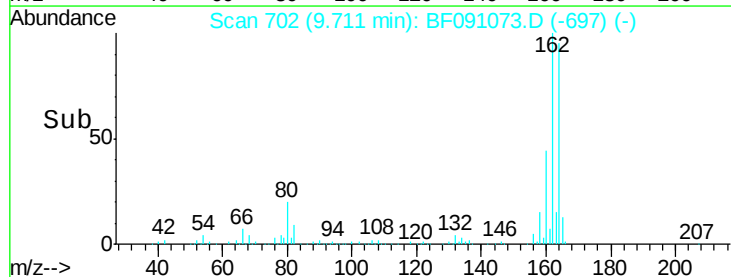
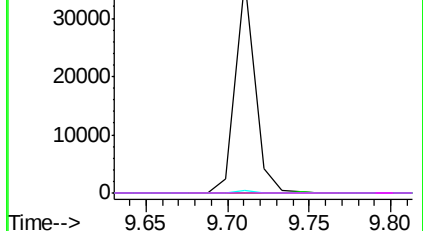


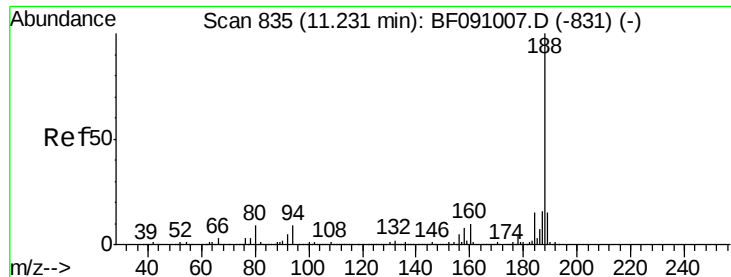
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

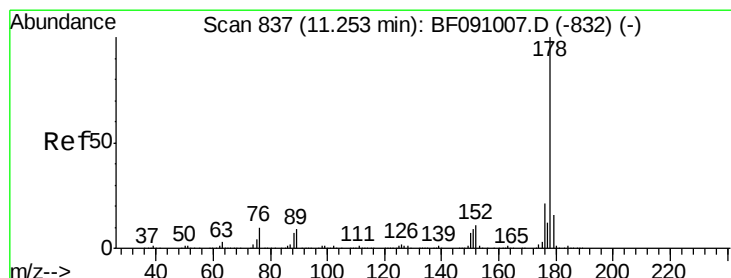
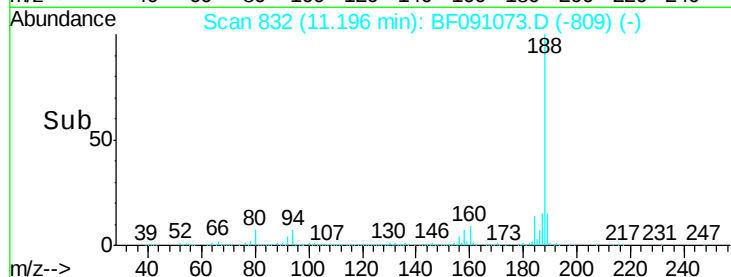
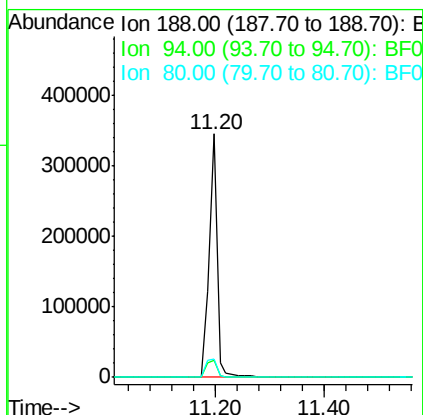
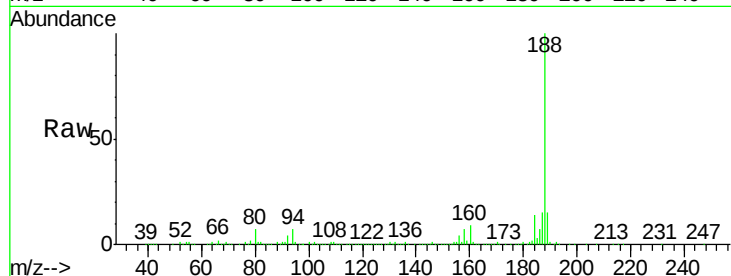




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.03 min
Lab File: BF091073.D
Acq: 7 Nov 2016 23:07

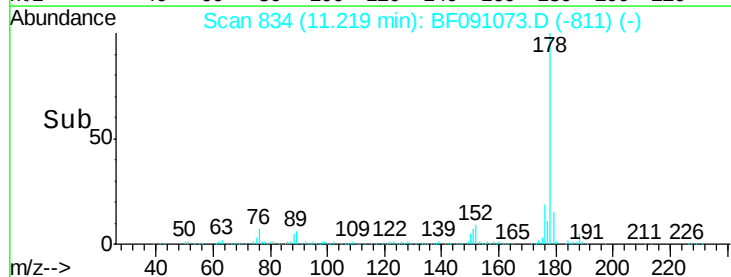
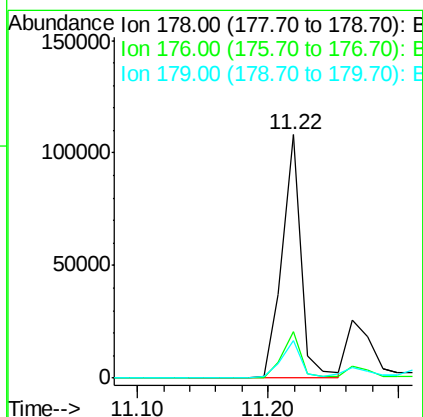
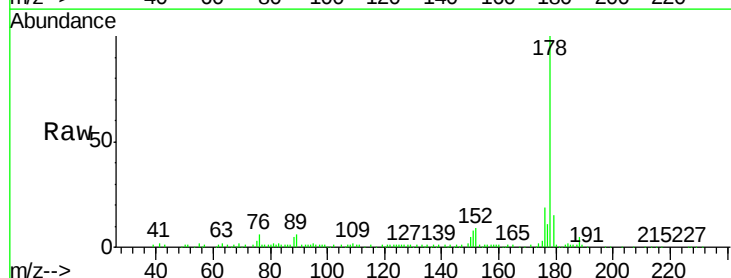
Instrument :
BNA_F
ClientSampleId :
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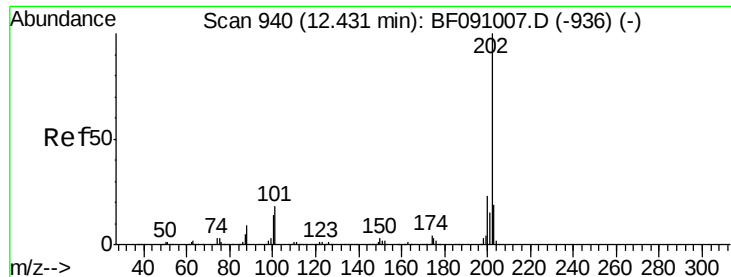
Tgt Ion:188 Resp: 353467
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.4
80 7.4 7.5 11.3#



#70
Phenanthrene
Concen: 5.91 ng
RT: 11.22 min Scan# 834
Delta R.T. -0.03 min
Lab File: BF091073.D
Acq: 7 Nov 2016 23:07

Tgt Ion:178 Resp: 111026
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 15.4 12.9 19.3





#74

Fluoranthene

Concen: 28.32 ng

RT: 12.41 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

Instrument :

BNA_F

ClientSampleId :

SB-105-0.5-1.0DL

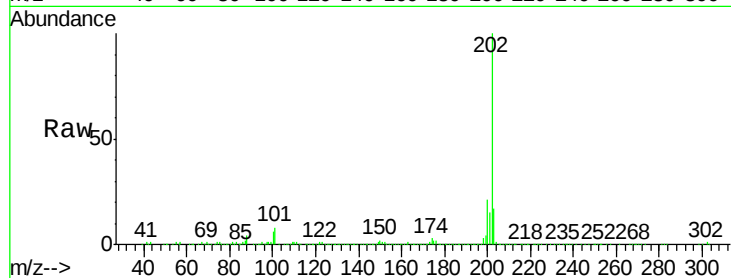
Tgt Ion:202 Resp: 551973

Ion Ratio Lower Upper

202 100

101 7.8 0.0 37.6

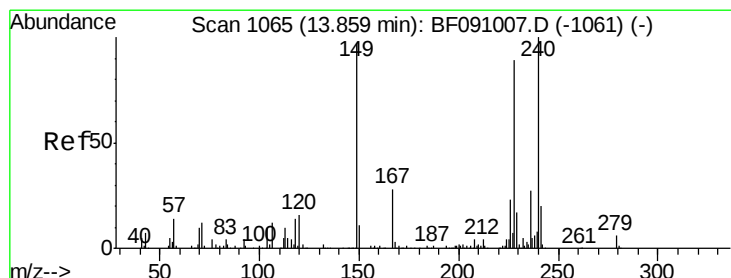
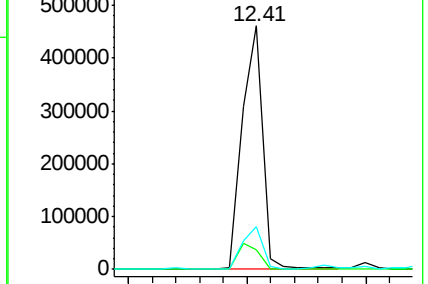
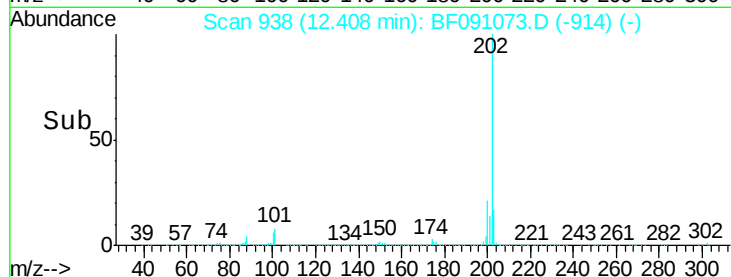
203 17.4 0.0 38.6



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: 13.83 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

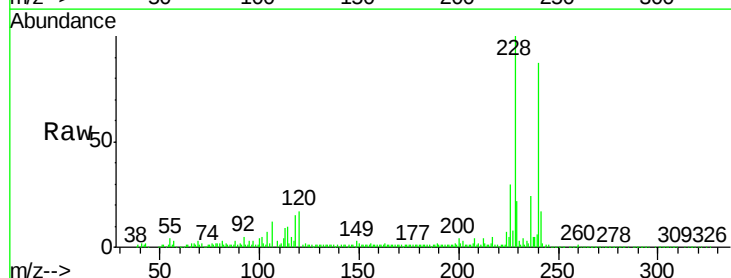
Tgt Ion:240 Resp: 371870

Ion Ratio Lower Upper

240 100

120 19.3 12.9 19.3

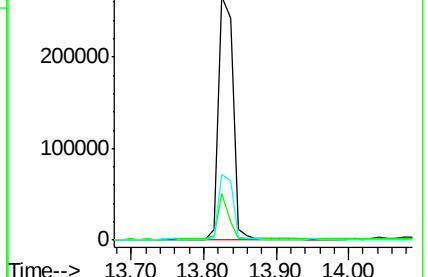
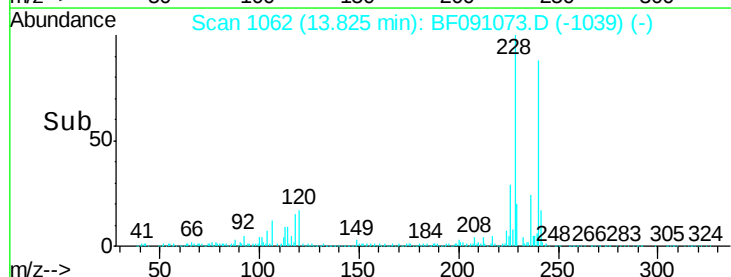
236 27.1 21.9 32.9

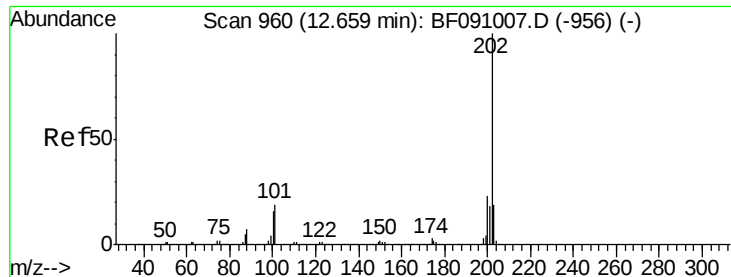


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

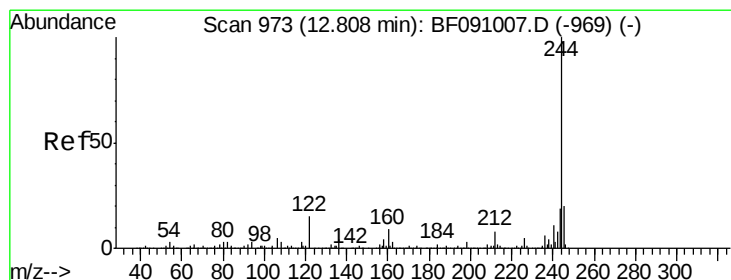
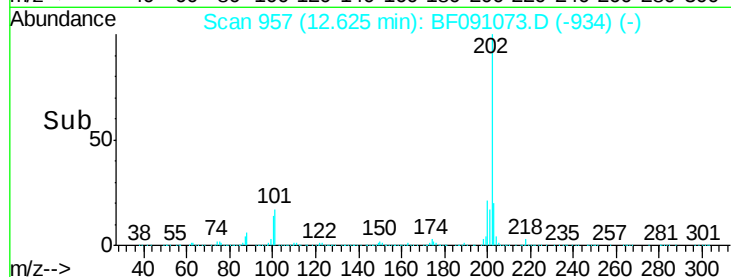
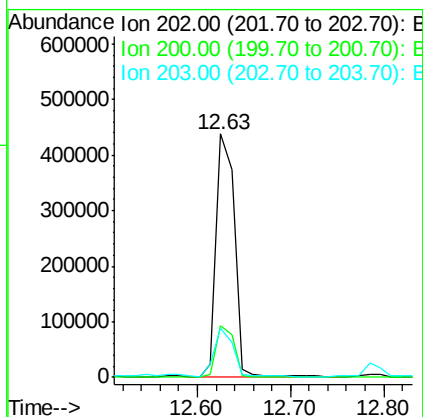
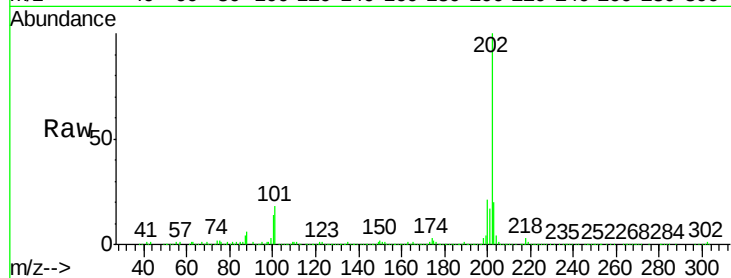




#77
 Pyrene
 Concen: 24.14 ng
 RT: 12.63 min Scan# 957
 Delta R.T. -0.03 min
 Lab File: BF091073.D
 Acq: 7 Nov 2016 23:07

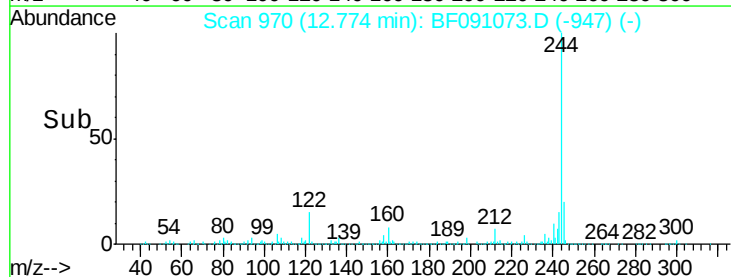
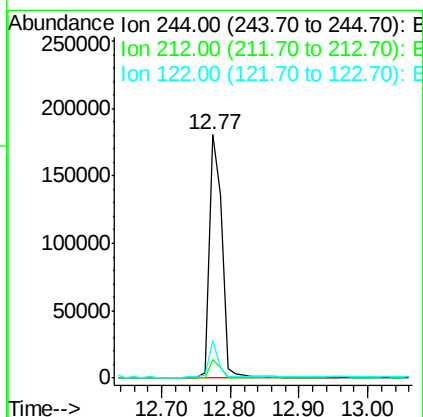
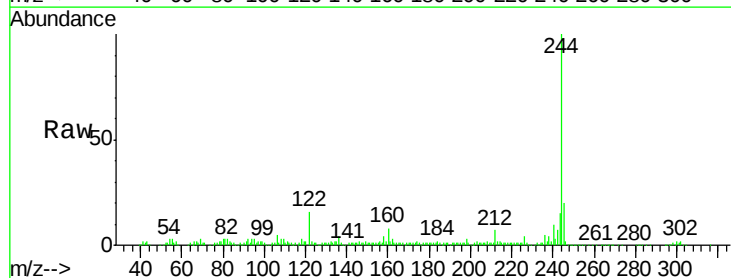
Instrument :
 BNA_F
 ClientSampleId :
 SB-105-0.5-1.0DL

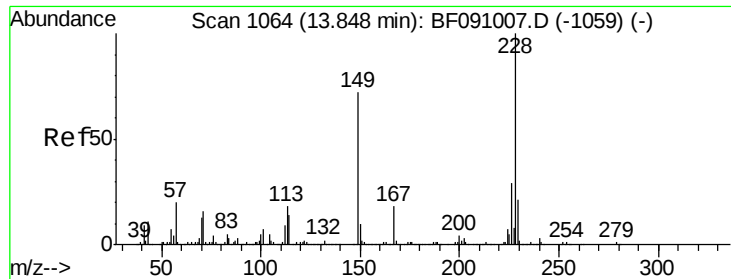
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.4	27.6
203	20.2	15.0	22.6



#78
 Terphenyl-d14
 Concen: 15.68 ng
 RT: 12.77 min Scan# 970
 Delta R.T. -0.03 min
 Lab File: BF091073.D
 Acq: 7 Nov 2016 23:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.4	9.6
122	15.6	12.3	18.5

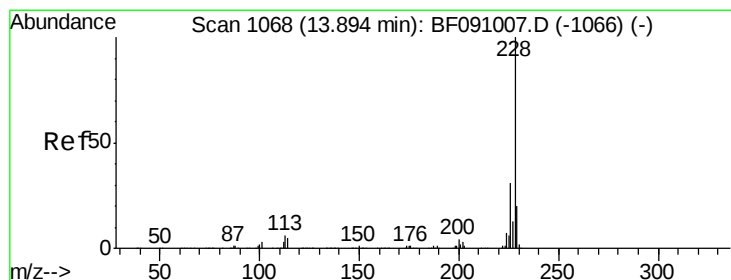
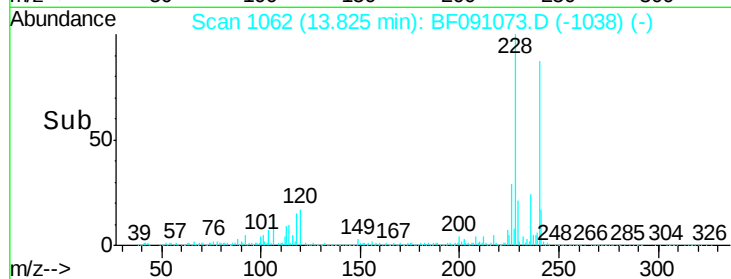
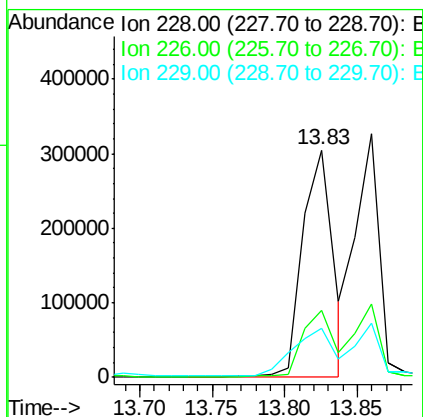
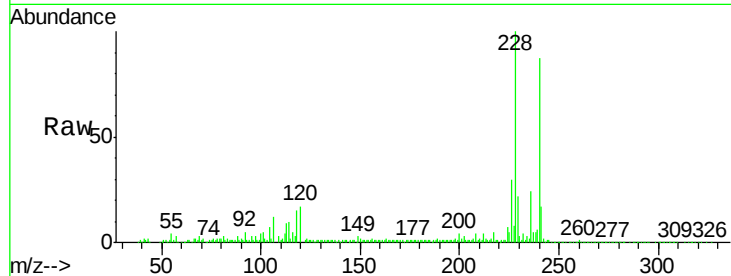




#80
Benzo(a)anthracene
Concen: 20.84 ng
RT: 13.83 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF091073.D
Acq: 7 Nov 2016 23:07

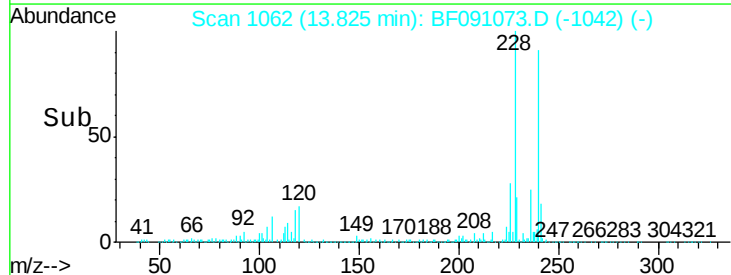
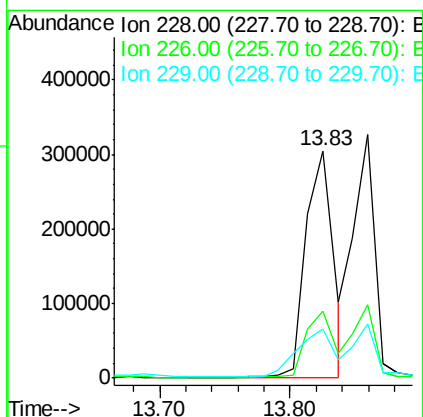
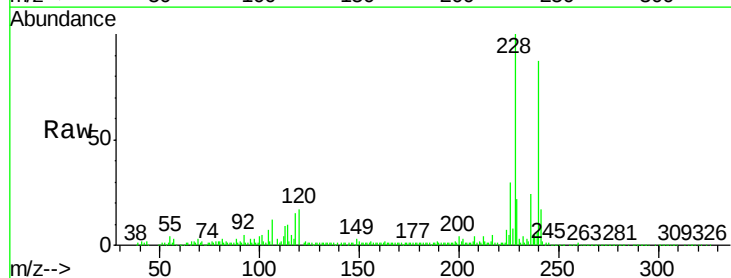
Instrument :
BNA_F
ClientSampleId :
SB-105-0.5-1.0DL

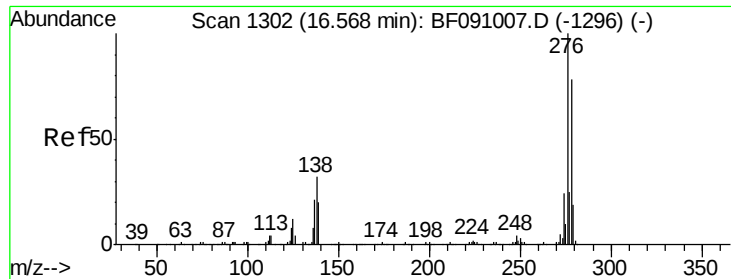
Tgt Ion:228 Resp: 440003
Ion Ratio Lower Upper
228 100
226 29.6 23.0 34.6
229 21.6 16.6 24.8



#82
Chrysene
Concen: 21.15 ng
RT: 13.83 min Scan# 1062
Delta R.T. -0.07 min
Lab File: BF091073.D
Acq: 7 Nov 2016 23:07

Tgt Ion:228 Resp: 440271
Ion Ratio Lower Upper
228 100
226 29.6 24.9 37.3
229 21.6 15.9 23.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.18 ng

RT: 16.51 min Scan# 1297

Delta R.T. -0.06 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

Instrument :

BNA_F

ClientSampleId :

SB-105-0.5-1.0DL

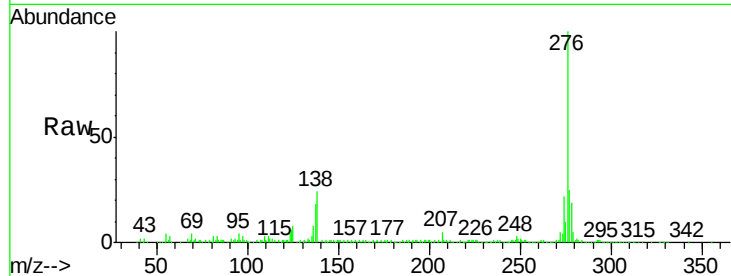
Tgt Ion:276 Resp: 331381

Ion Ratio Lower Upper

276 100

138 23.8 26.0 39.0#

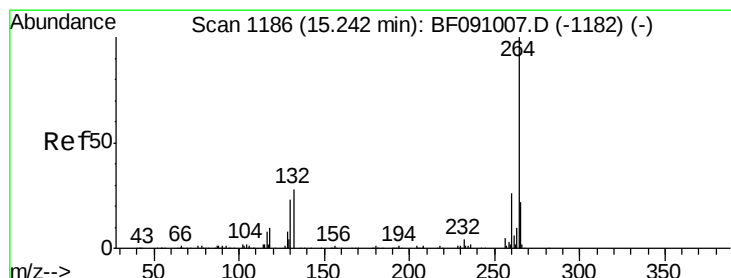
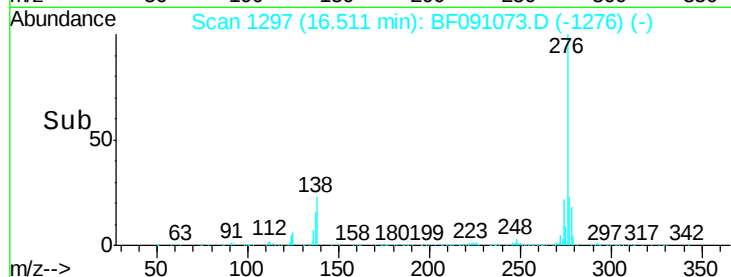
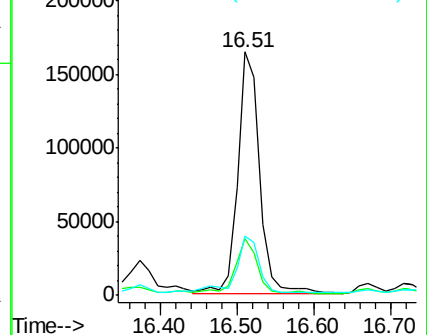
277 25.2 20.1 30.1



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: 15.22 min Scan# 1184

Delta R.T. -0.02 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

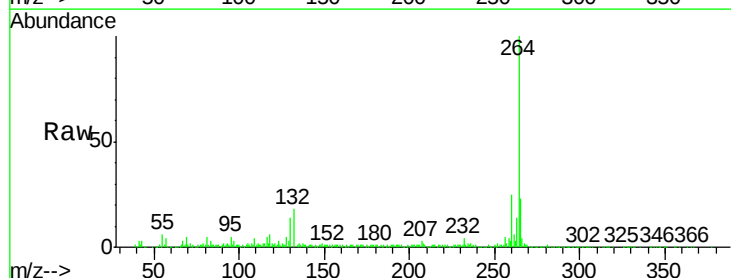
Tgt Ion:264 Resp: 336075

Ion Ratio Lower Upper

264 100

260 25.4 20.6 30.8

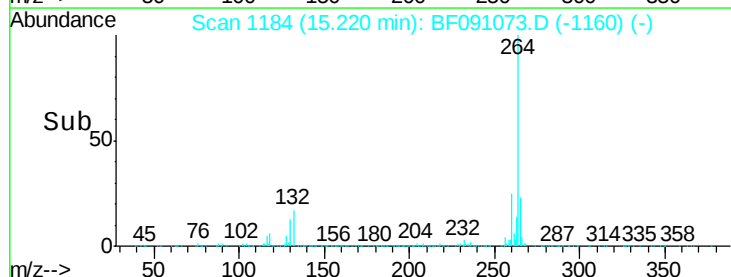
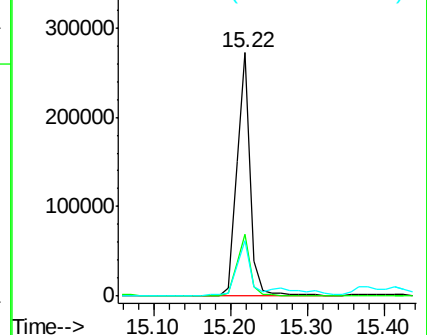
265 22.9 17.8 26.8

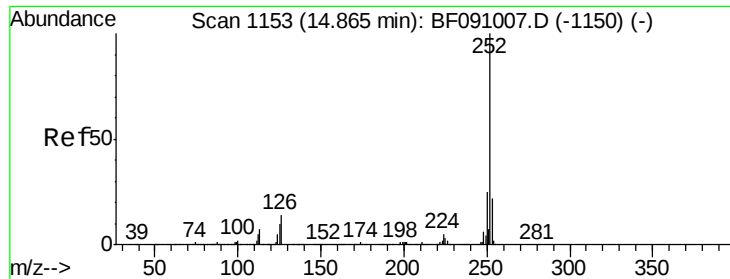


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 43.30 ng

RT: 14.83 min Scan# 1150

Delta R.T. -0.03 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

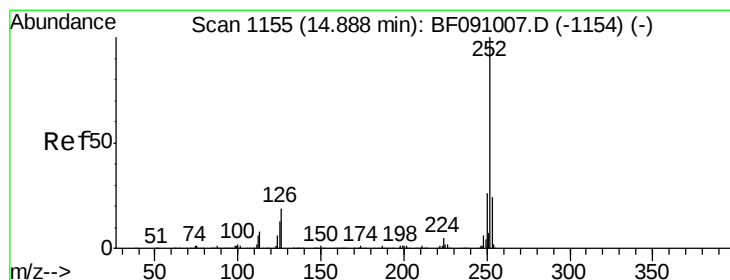
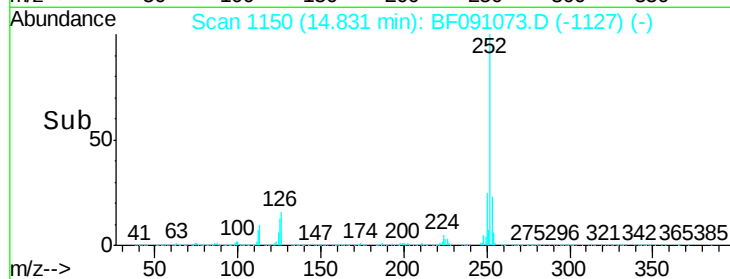
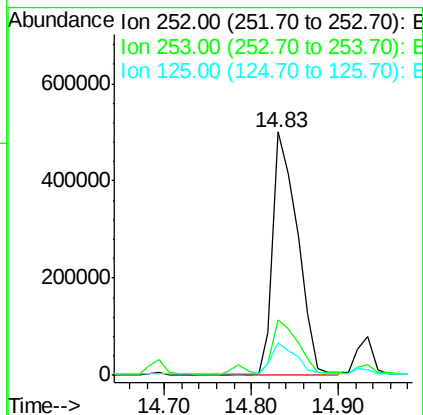
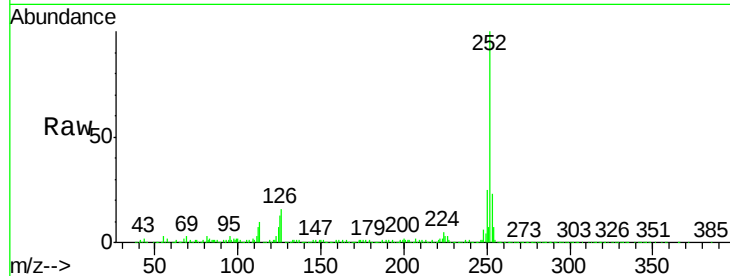
Instrument :

BNA_F

ClientSampleId :

SB-105-0.5-1.0DL

Tgt Ion:	252	Resp:	986931
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.0	27.0
125	13.5	8.3	12.5#



#88

Benzo(k)fluoranthene

Concen: 49.36 ng

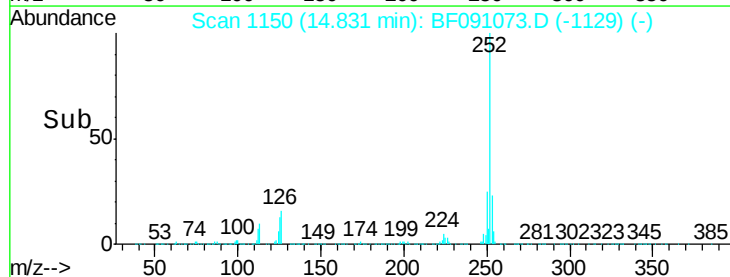
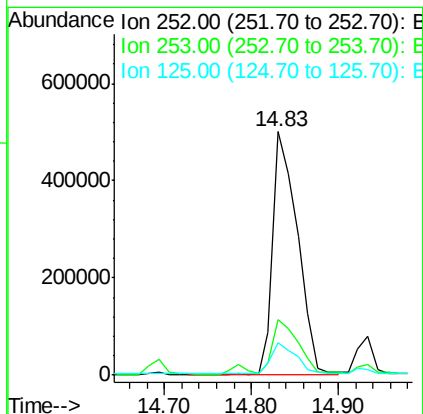
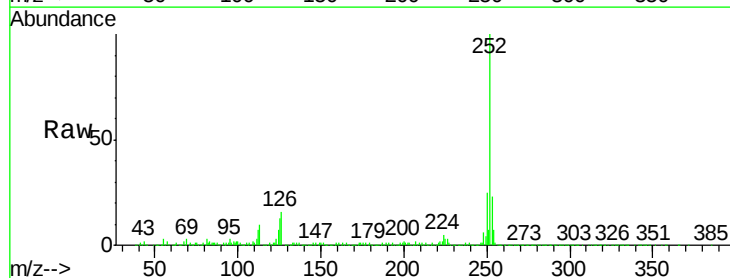
RT: 14.83 min Scan# 1150

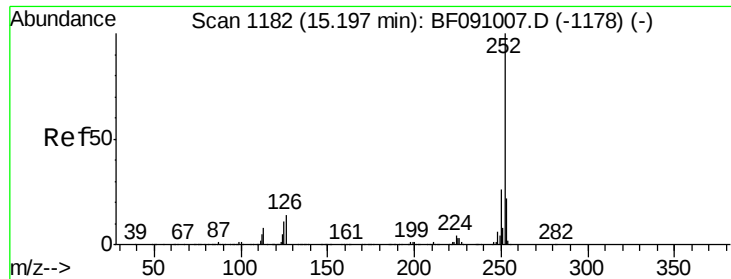
Delta R.T. -0.06 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

Tgt Ion:	252	Resp:	986931
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.6	28.0
125	13.5	11.2	16.8





#89

Benzo(a)pyrene

Concen: 24.50 ng

RT: 15.16 min Scan# 1179

Delta R.T. -0.03 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

Instrument :

BNA_F

ClientSampleId :

SB-105-0.5-1.0DL

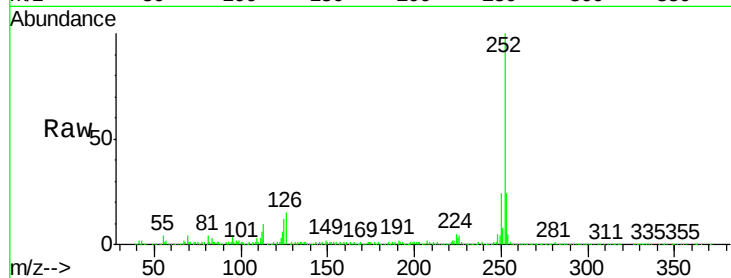
Tgt Ion:252 Resp: 486252

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

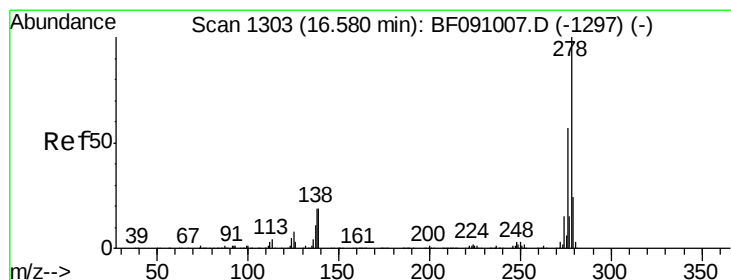
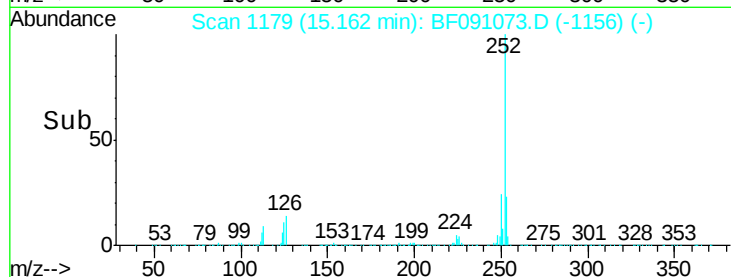
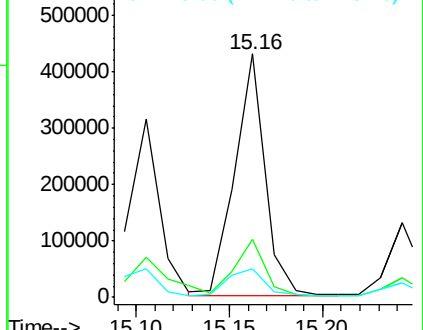
125 11.9 8.6 13.0



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



#90

Dibenzo(a,h)anthracene

Concen: 3.13 ng

RT: 16.72 min Scan# 1315

Delta R.T. 0.14 min

Lab File: BF091073.D

Acq: 7 Nov 2016 23:07

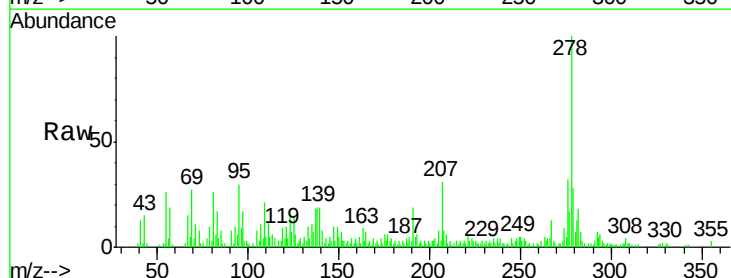
Tgt Ion:278 Resp: 53639

Ion Ratio Lower Upper

278 100

139 18.7 15.3 22.9

279 27.8 19.3 28.9



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

