

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091047.D
 Acq On : 5 Nov 2016 3:30
 Operator : UM/SJ
 Sample : H5509-03DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-92-1.5-2.0DL

Quant Time: Nov 05 03:02:59 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	6.70	152	173909	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	674310	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	317836	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	407058	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	369238	20.00	ng	0.00
86) Perylene-d12	15.24	264	274040	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	381209	36.20	ng	0.00
7) Phenol-d6	6.35	99	526886	36.86	ng	0.00
23) Nitrobenzene-d5	7.26	82	293165	23.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	69191	24.08	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	452534	24.51	ng	0.00
78) Terphenyl-d14	12.81	244	275807	18.64	ng	0.00

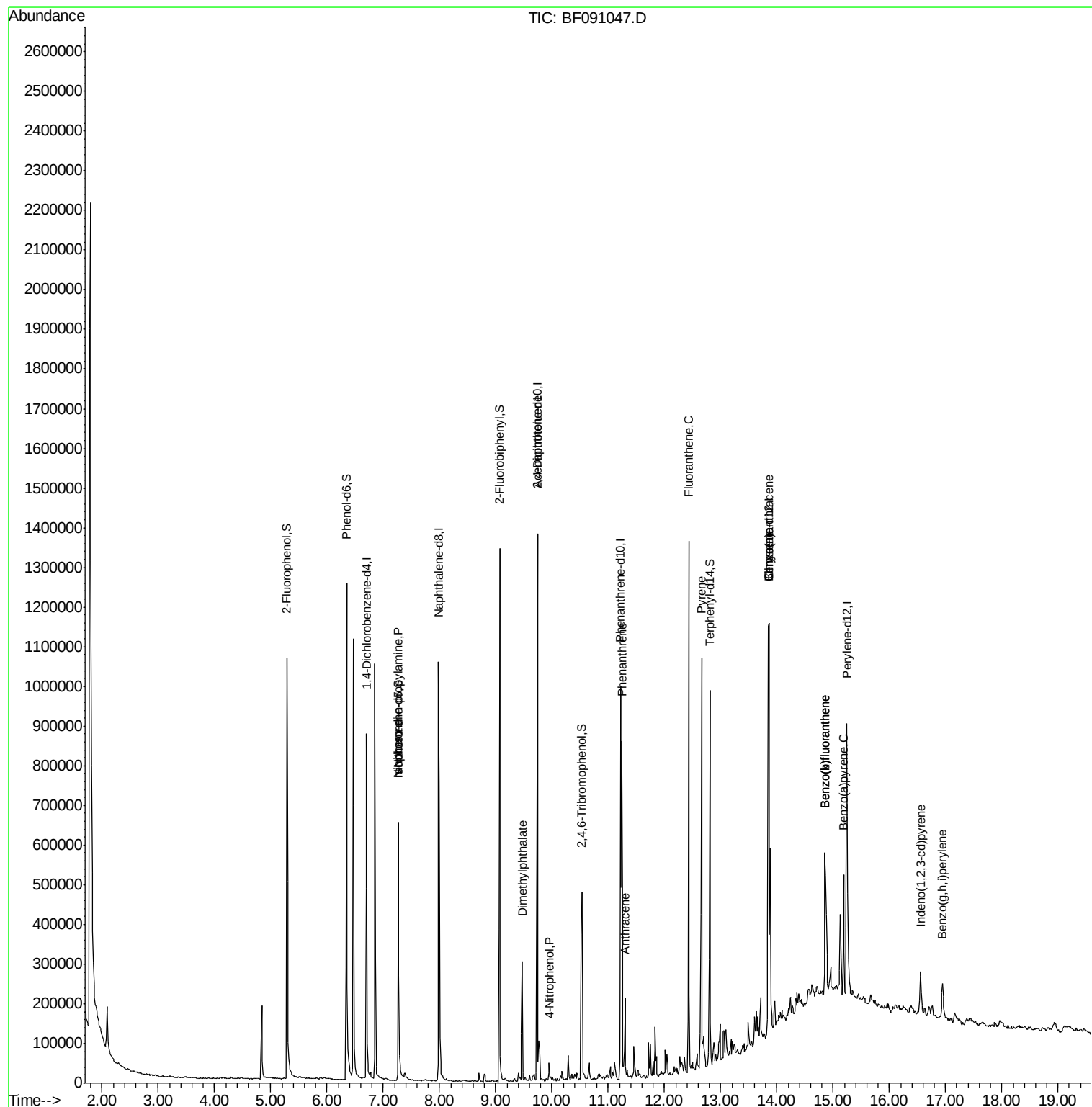
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	37983	3.83	ng	# 80
25) Isophorone	7.26	82	280079	11.76	ng	# 67
49) Dimethylphthalate	9.47	163	138678	6.65	ng	97
55) 4-Nitrophenol	9.95	139	8051	7.85	ng	# 1
56) 2,4-Dinitrotoluene	9.74	165	41714	7.34	ng	# 26
70) Phenanthrene	11.24	178	349546	16.15	ng	99
71) Anthracene	11.30	178	90214	3.92	ng	97
74) Fluoranthene	12.43	202	468481	20.87	ng	97
77) Pyrene	12.66	202	395748	16.37	ng	97
80) Benzo(a)anthracene	13.85	228	242627	11.57	ng	99
82) Chrysene	13.85	228	242627	11.74	ng	96
85) Indeno(1,2,3-cd)pyrene	16.56	276	70059	4.08	ng	96
87) Benzo(b)fluoranthene	14.85	252	248678	13.38	ng	# 94
88) Benzo(k)fluoranthene	14.85	252	248678	15.25	ng	# 95
89) Benzo(a)pyrene	15.19	252	125285	7.74	ng	# 94
91) Benzo(g,h,i)perylene	16.95	276	61693	4.88	ng	99

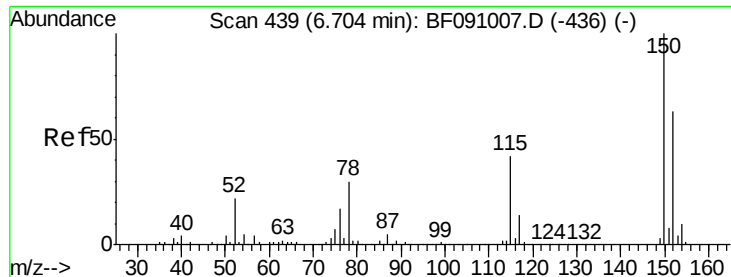
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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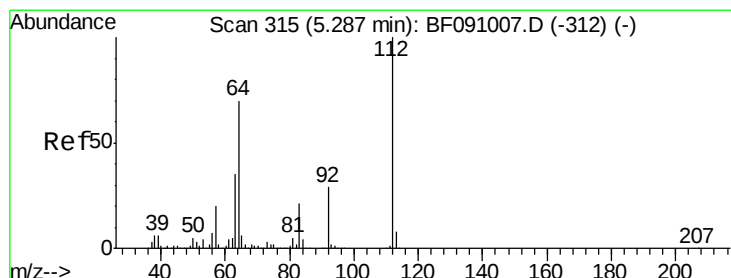
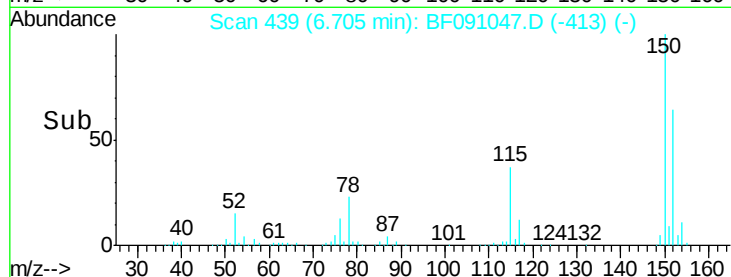
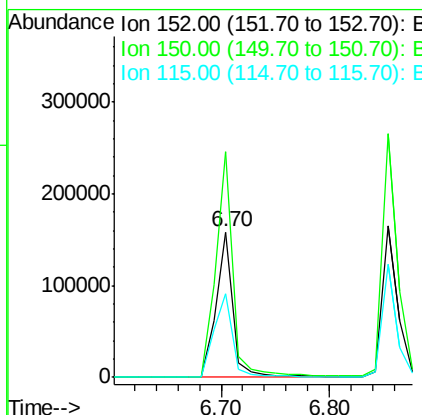
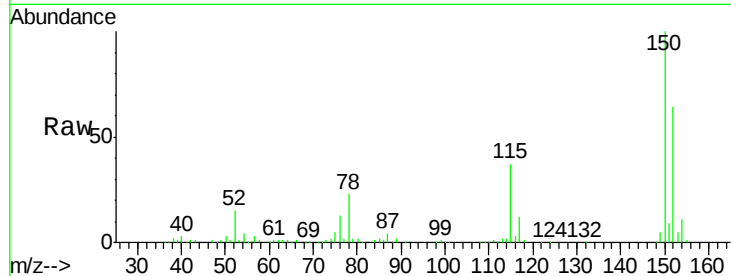




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.70 min Scan# 439
 Delta R.T. 0.00 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

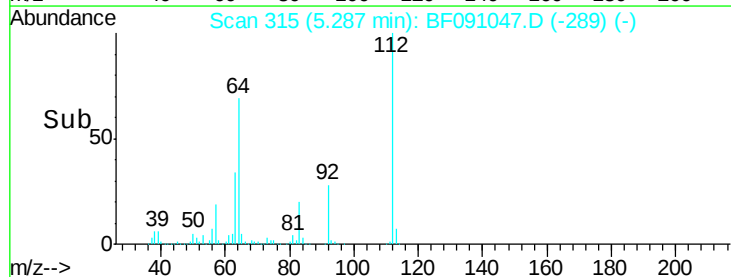
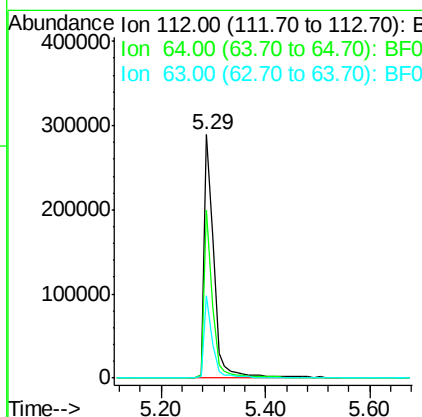
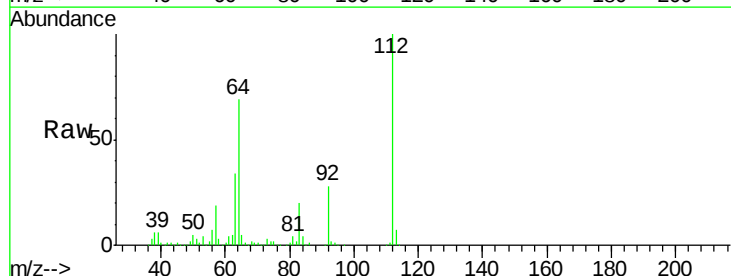
Instrument :
 BNA_F
 ClientSampleId :
 SB-92-1.5-2.0DL

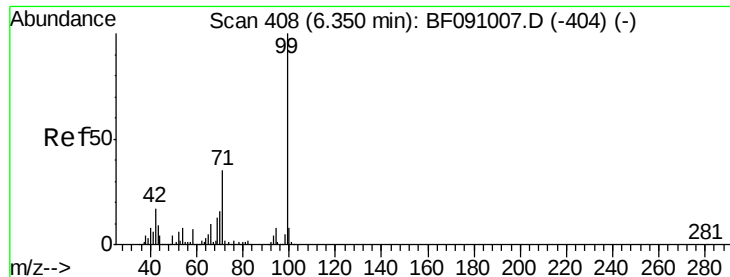
Tgt Ion:152 Resp: 173909
 Ion Ratio Lower Upper
 152 100
 150 155.7 126.8 190.2
 115 57.5 53.3 79.9



#5
 2-Fluorophenol
 Concen: 36.20 ng
 RT: 5.29 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Tgt Ion:112 Resp: 381209
 Ion Ratio Lower Upper
 112 100
 64 68.8 55.8 83.6
 63 33.8 28.0 42.0





#7

Phenol-d6

Concen: 36.86 ng

RT: 6.35 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Instrument :

BNA_F

ClientSampleId :

SB-92-1.5-2.0DL

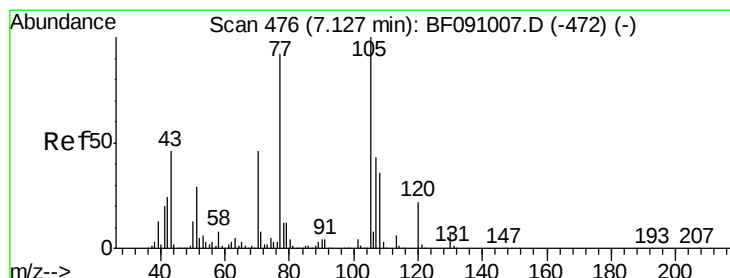
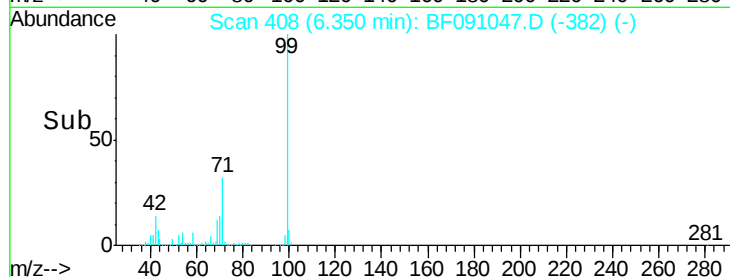
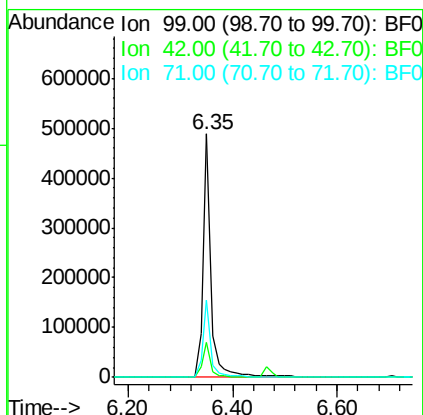
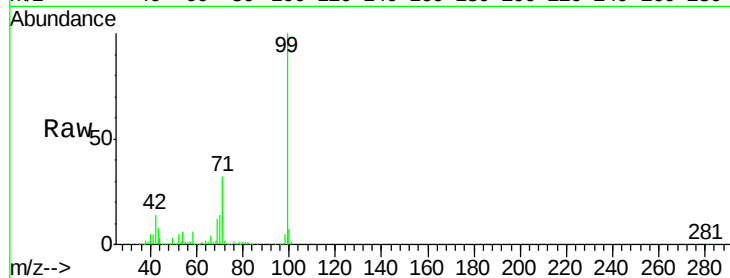
Tgt Ion: 99 Resp: 526886

Ion Ratio Lower Upper

99 100

42 14.3 13.9 20.9

71 31.5 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 3.83 ng

RT: 7.26 min Scan# 488

Delta R.T. 0.14 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Tgt Ion: 70 Resp: 37983

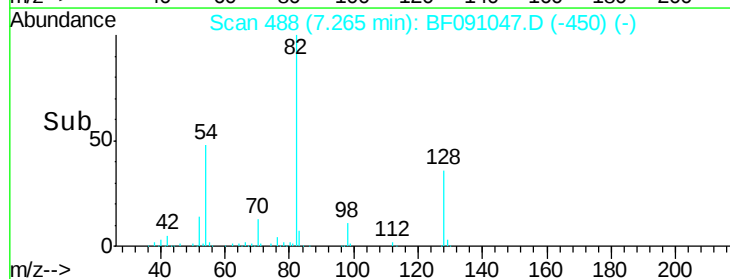
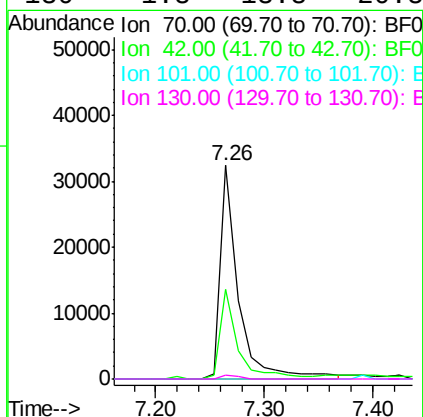
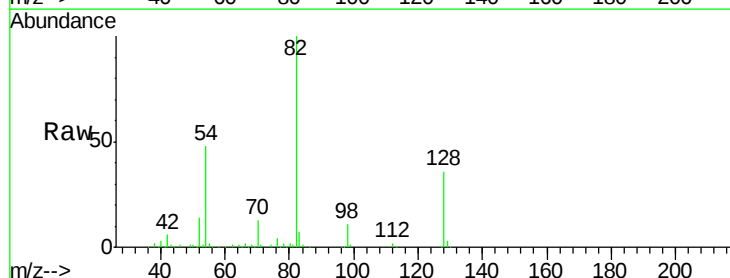
Ion Ratio Lower Upper

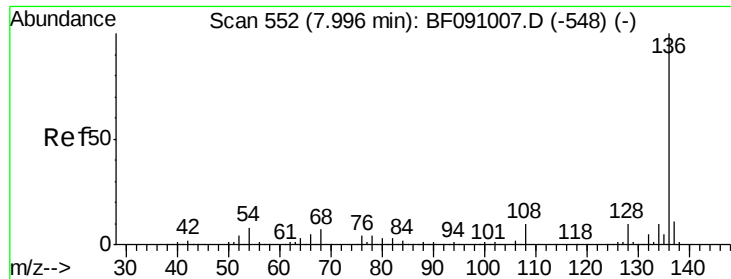
70 100

42 41.9 41.7 62.5

101 0.0 6.7 10.1#

130 1.8 13.8 20.8#

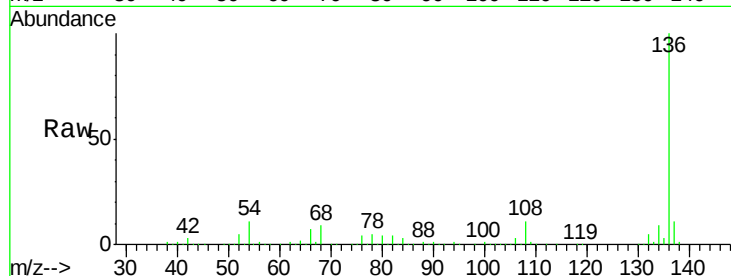




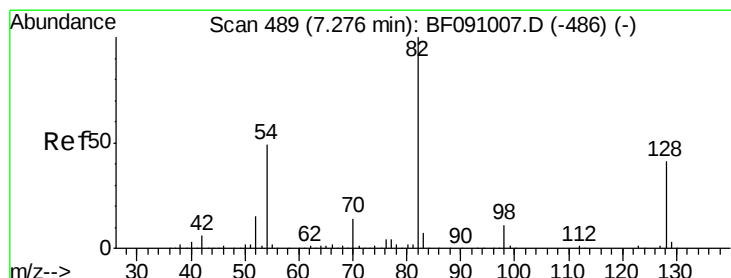
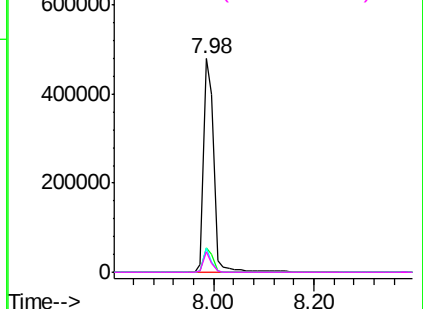
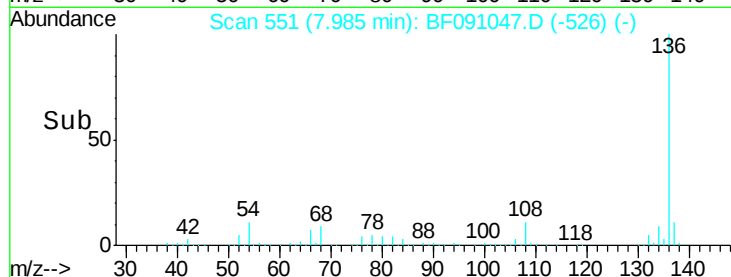
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0DL

Tgt Ion:	136	Resp:	674310
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	11.3	6.2	9.2#
68	9.3	5.5	8.3#

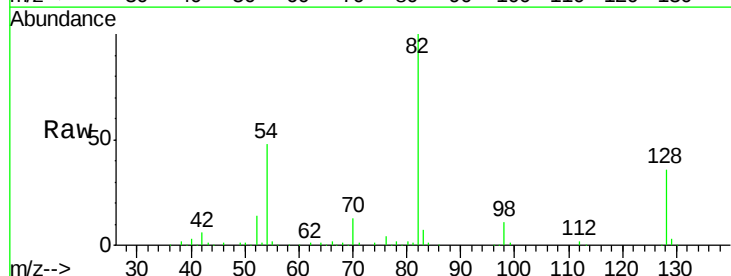


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

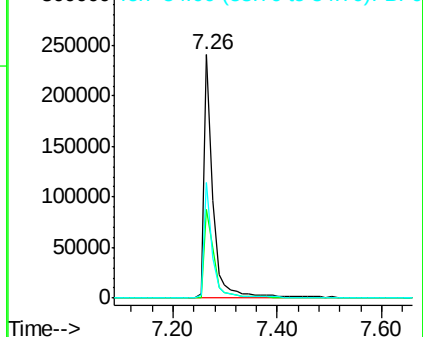
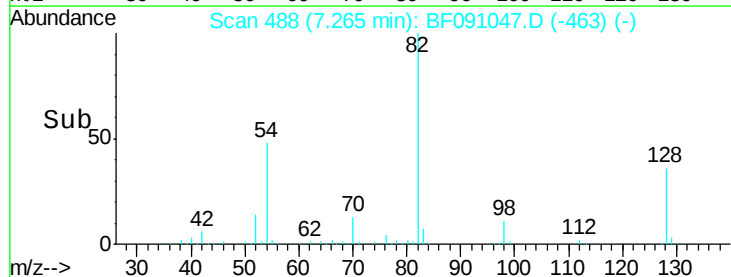


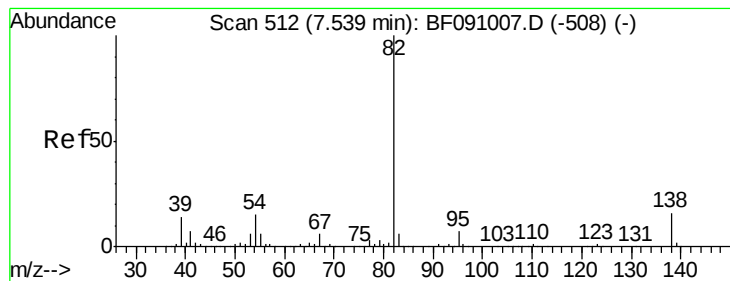
#23
Nitrobenzene-d5
Concen: 23.72 ng
RT: 7.26 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Tgt Ion:	82	Resp:	293165
Ion	Ratio	Lower	Upper
82	100		
128	36.3	32.4	48.6
54	47.7	39.2	58.8



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





#25

Isophorone

Concen: 11.76 ng

RT: 7.26 min Scan# 488

Delta R.T. -0.27 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Instrument :

BNA_F

ClientSampleId :

SB-92-1.5-2.0DL

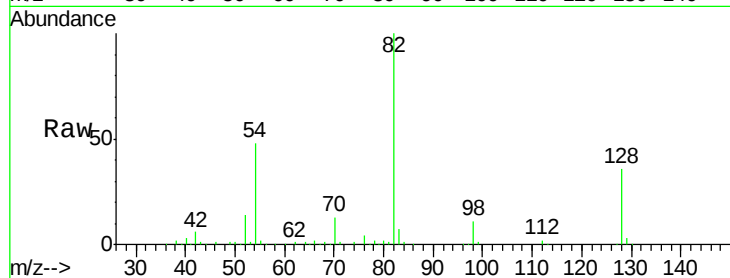
Tgt Ion: 82 Resp: 280079

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

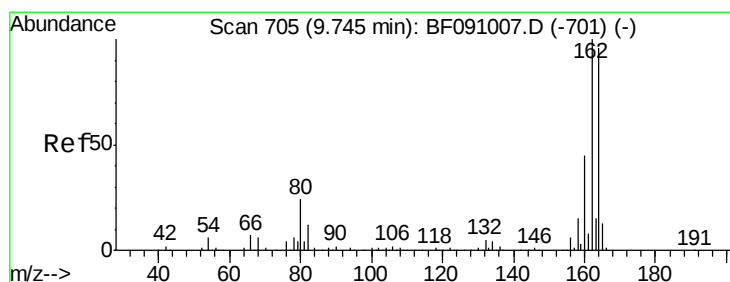
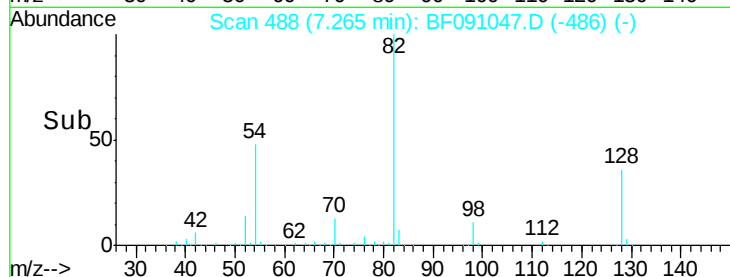
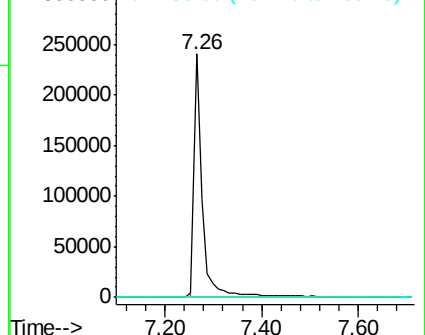
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

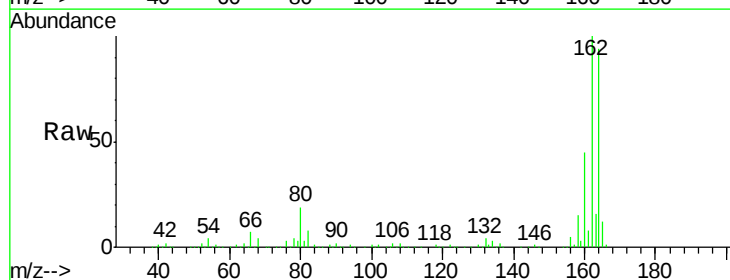
Tgt Ion: 164 Resp: 317836

Ion Ratio Lower Upper

164 100

162 106.1 83.6 125.4

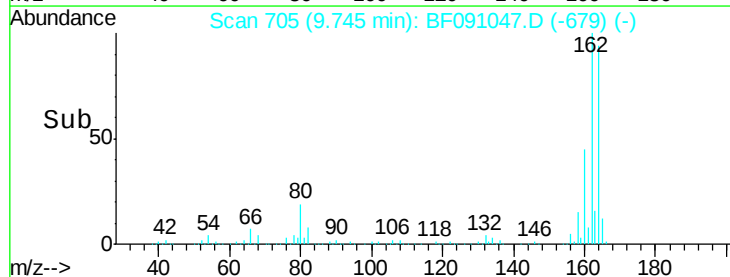
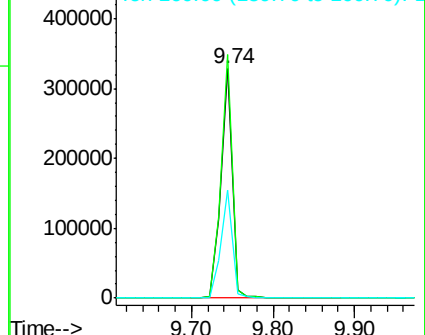
160 47.3 37.9 56.9

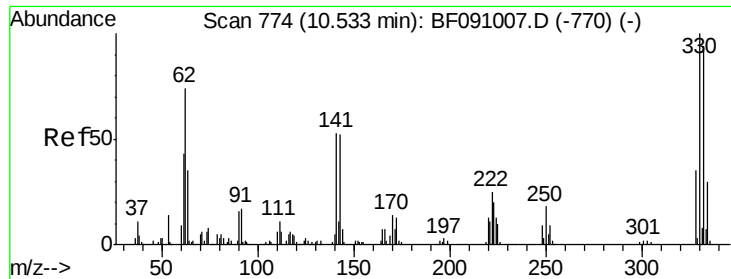


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

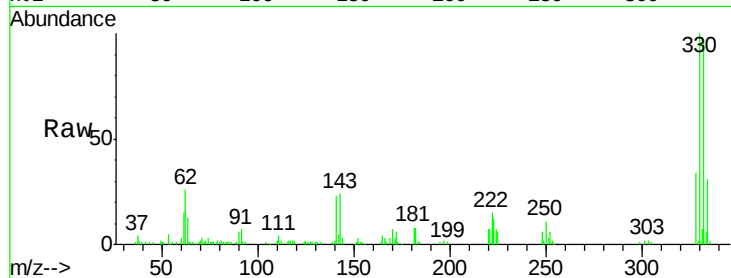




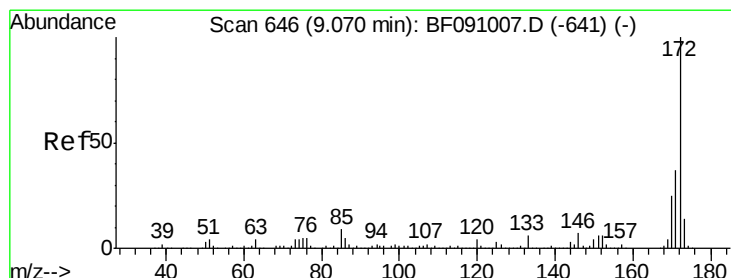
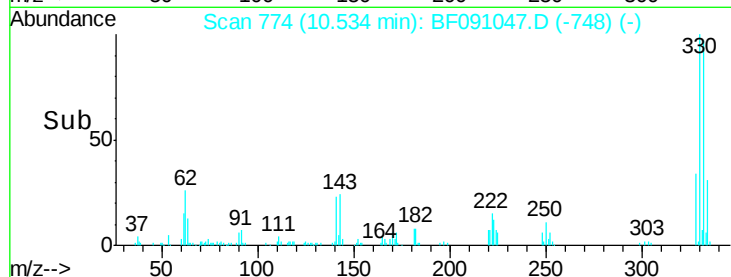
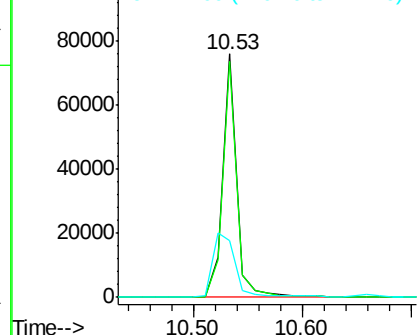
#41
 2,4,6-Tribromophenol
 Concen: 24.08 ng
 RT: 10.53 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Instrument :
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 ClientSampleId :
 SB-92-1.5-2.0DL

Tgt Ion:330 Resp: 69191
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.9 113.9
 141 43.1 36.1 54.1

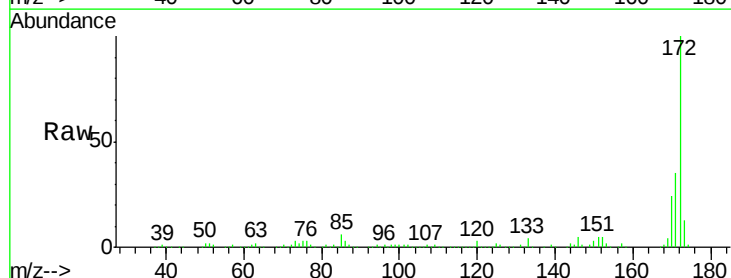


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

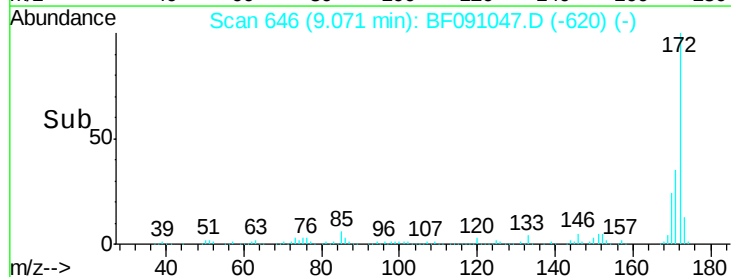
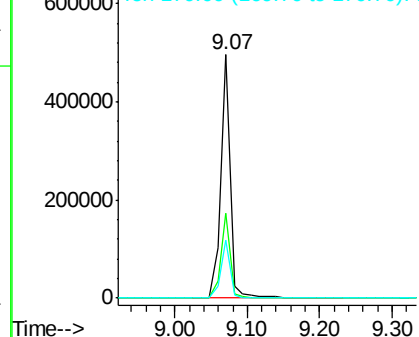


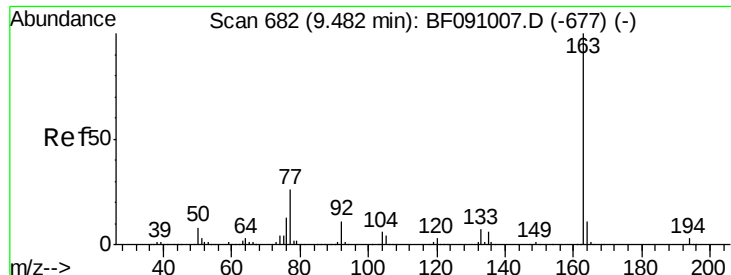
#44
 2-Fluorobiphenyl
 Concen: 24.51 ng
 RT: 9.07 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Tgt Ion:172 Resp: 452534
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.8 44.6
 170 23.8 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: 6.65 ng

RT: 9.47 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Instrument :

BNA_F

ClientSampleId :

SB-92-1.5-2.0DL

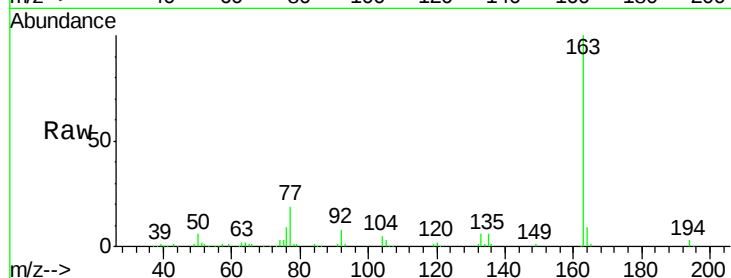
Tgt Ion:163 Resp: 138678

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

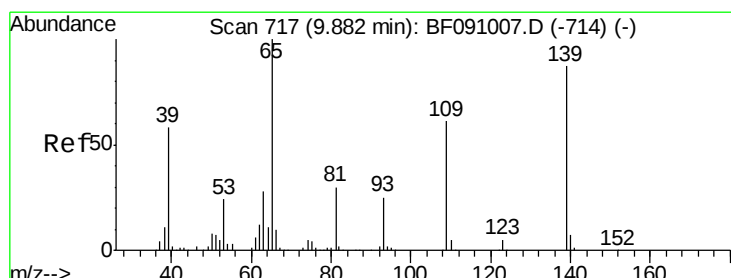
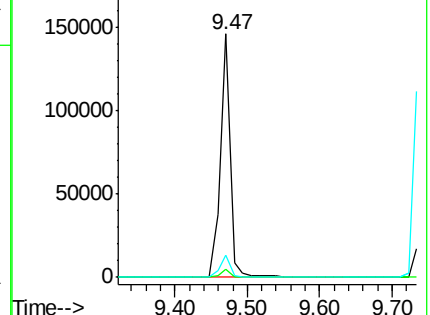
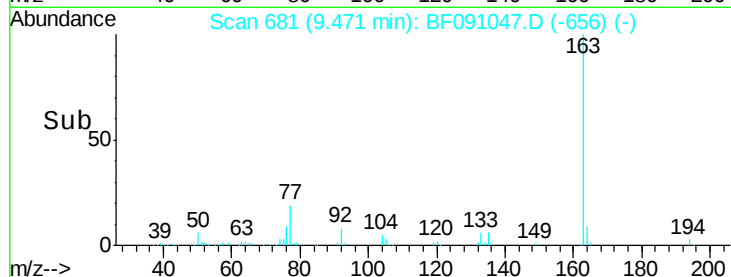
164 9.3 8.7 13.1



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



#55

4-Nitrophenol

Concen: 7.85 ng

RT: 9.95 min Scan# 723

Delta R.T. 0.07 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

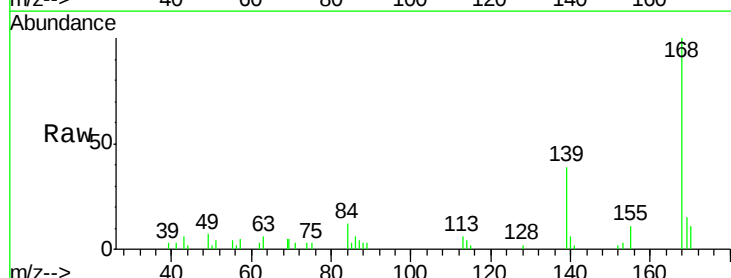
Tgt Ion:139 Resp: 8051

Ion Ratio Lower Upper

139 100

109 0.0 50.5 90.5#

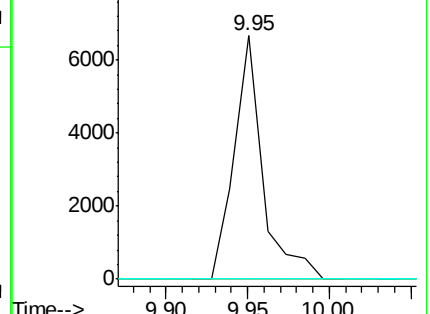
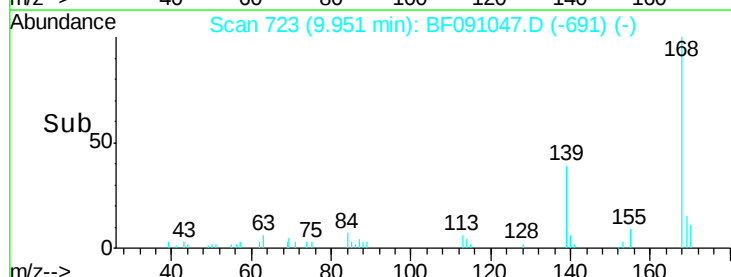
65 0.0 97.1 137.1#

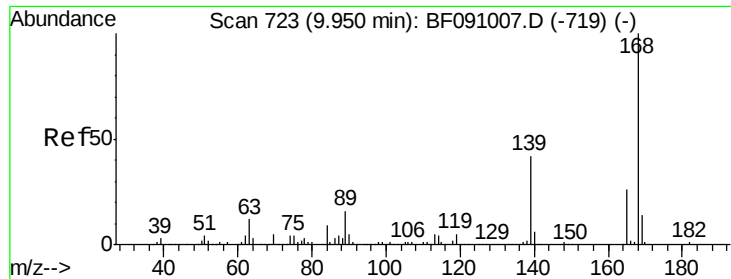


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

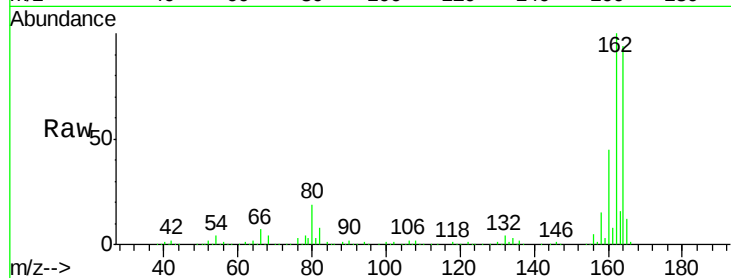




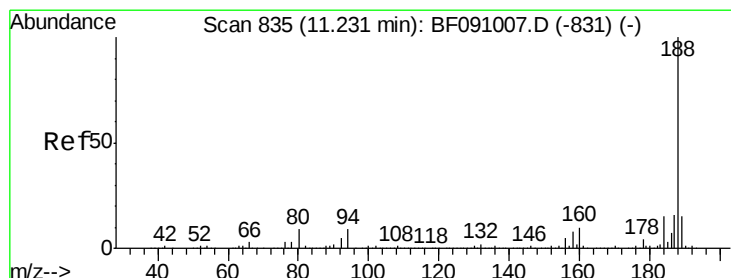
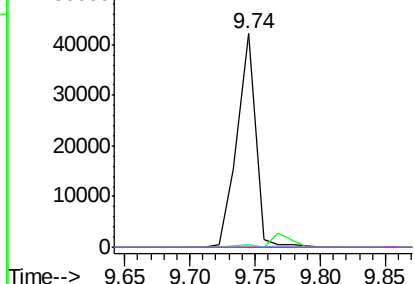
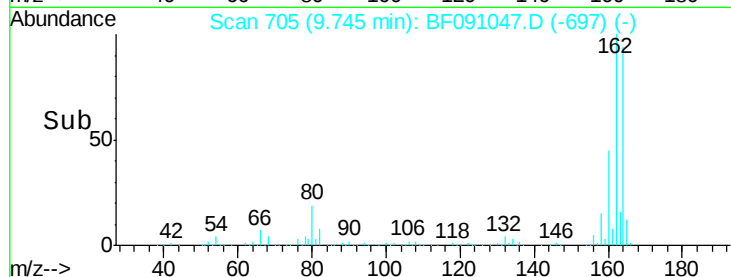
#56
 2,4-Dinitrotoluene
 Concen: 7.34 ng
 RT: 9.74 min Scan# 705
 Delta R.T. -0.21 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-92-1.5-2.0DL

Tgt Ion:165 Resp: 41714
 Ion Ratio Lower Upper
 165 100
 63 0.9 38.7 58.1#
 89 1.1 50.6 76.0#
 182 0.0 1.8 2.8#

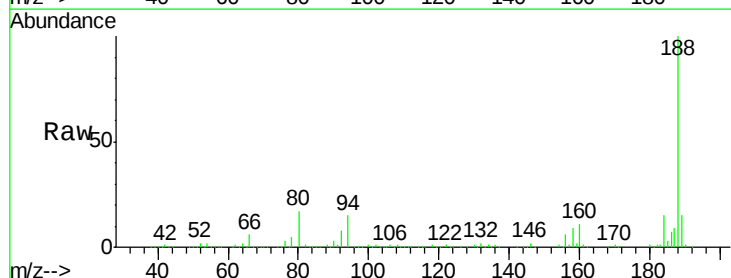


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

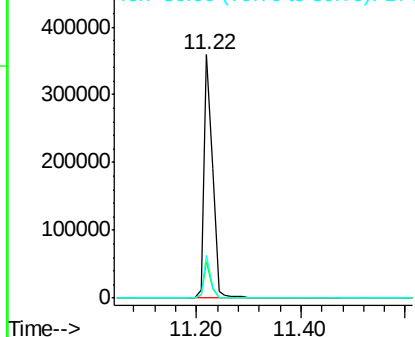
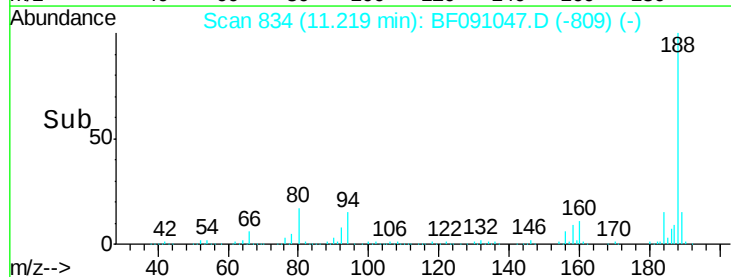


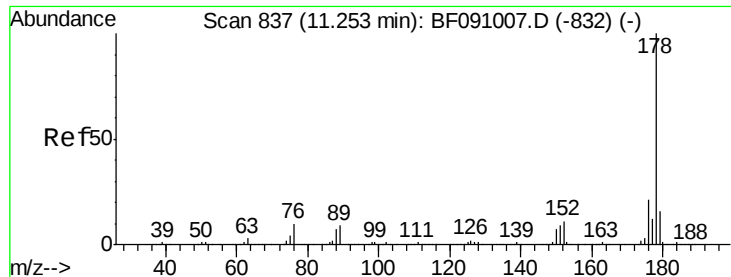
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Tgt Ion:188 Resp: 407058
 Ion Ratio Lower Upper
 188 100
 94 15.1 7.0 10.4#
 80 17.4 7.5 11.3#



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

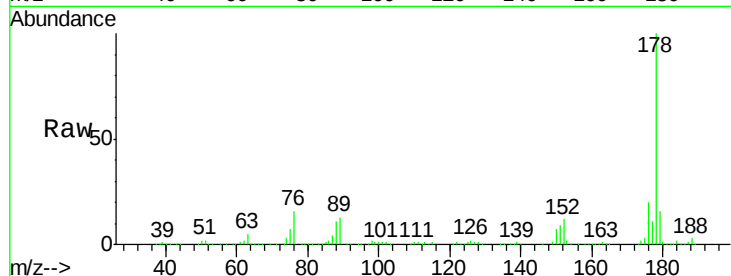




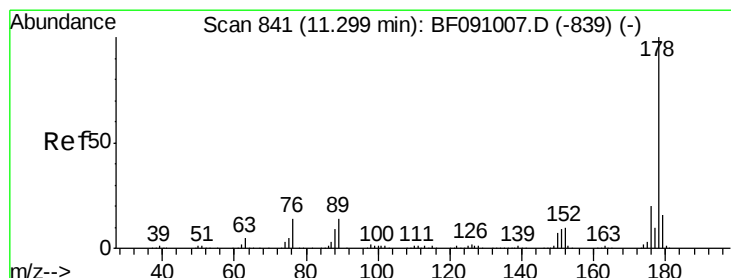
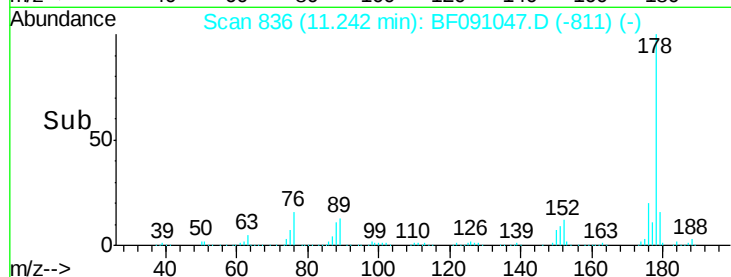
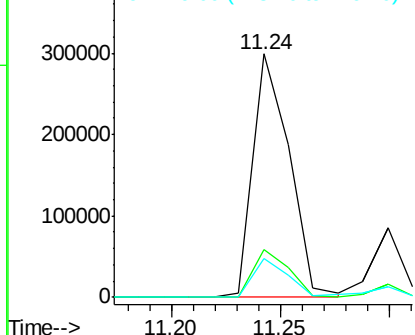
#70
Phenanthrene
Concen: 16.15 ng
RT: 11.24 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Instrument :
BNA_F
ClientSampleId :
SB-92-1.5-2.0DL

Tgt Ion:178 Resp: 349546
Ion Ratio Lower Upper
178 100
176 19.9 16.6 25.0
179 16.1 12.9 19.3

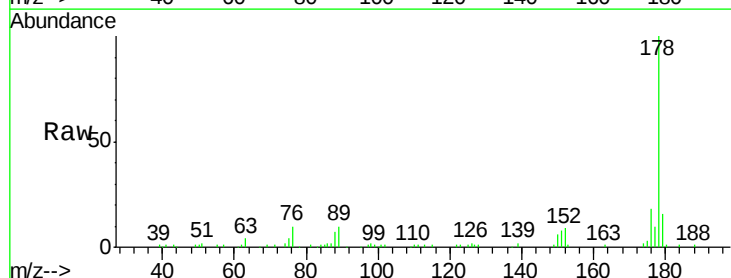


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

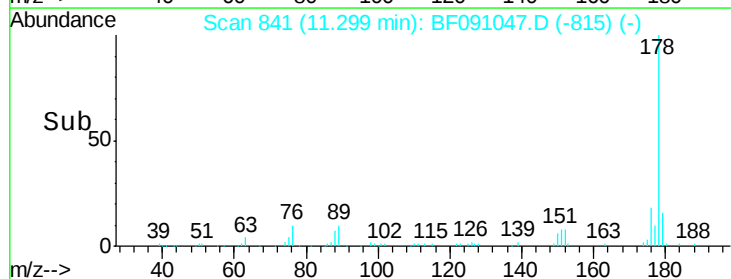
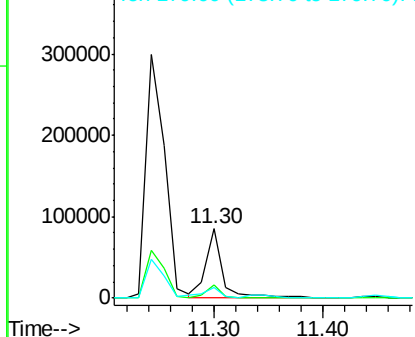


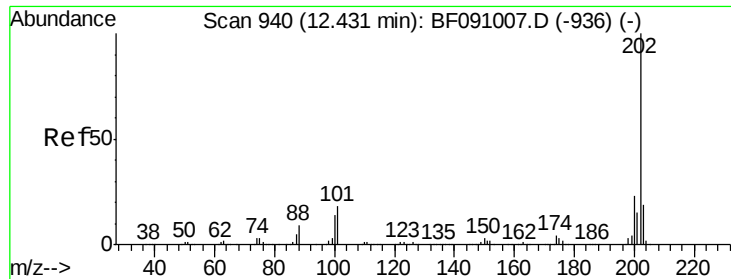
#71
Anthracene
Concen: 3.92 ng
RT: 11.30 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF091047.D
Acq: 5 Nov 2016 3:30

Tgt Ion:178 Resp: 90214
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.6 13.0 19.6



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: 20.87 ng

RT: 12.43 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Instrument :

BNA_F

ClientSampleId :

SB-92-1.5-2.0DL

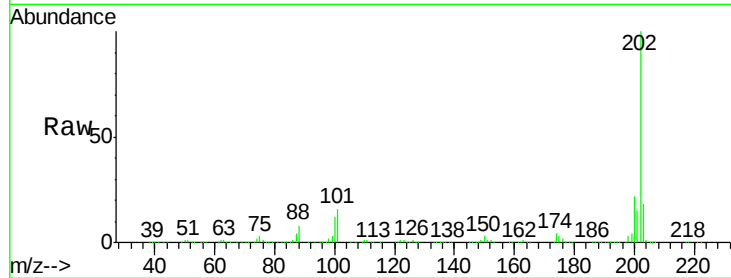
Tgt Ion:202 Resp: 468481

Ion Ratio Lower Upper

202 100

101 15.6 0.0 37.6

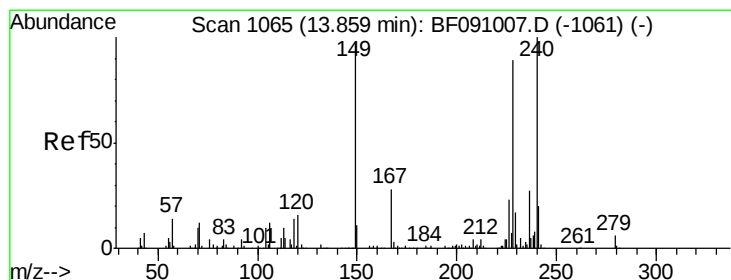
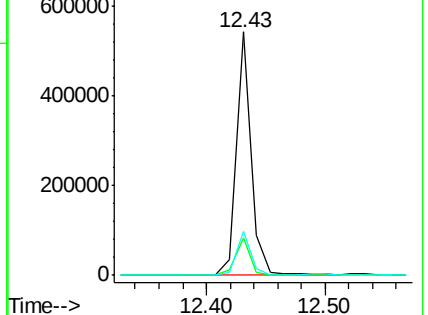
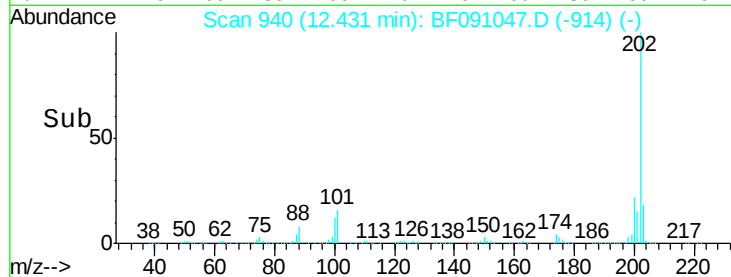
203 17.9 0.0 38.6



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: 13.86 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

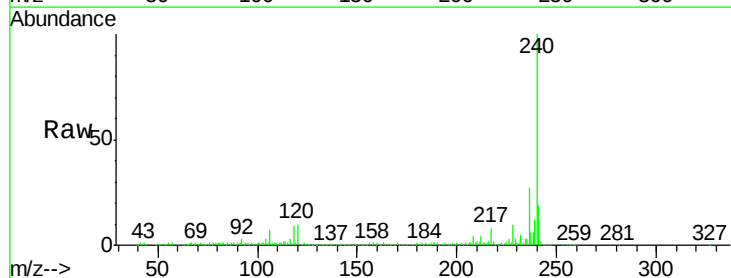
Tgt Ion:240 Resp: 369238

Ion Ratio Lower Upper

240 100

120 9.8 12.9 19.3#

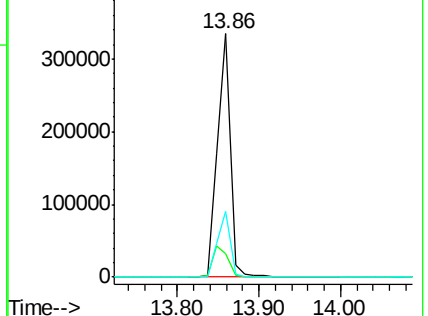
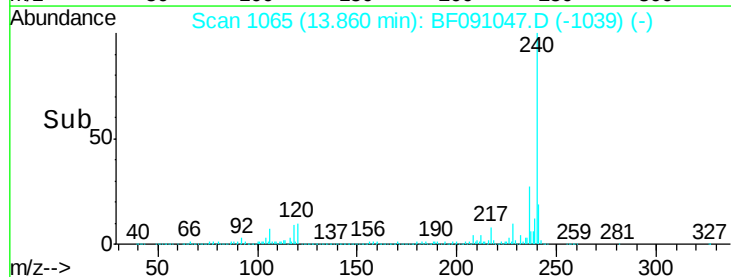
236 27.2 21.9 32.9

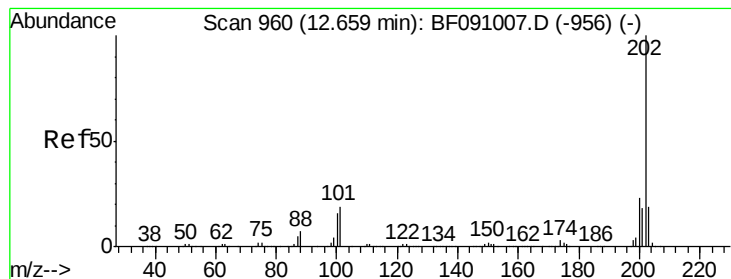


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 16.37 ng

RT: 12.66 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Instrument :

BNA_F

ClientSampleId :

SB-92-1.5-2.0DL

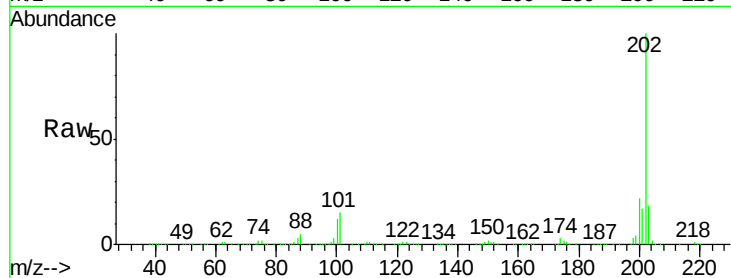
Tgt Ion:202 Resp: 395748

Ion Ratio Lower Upper

202 100

200 21.7 18.4 27.6

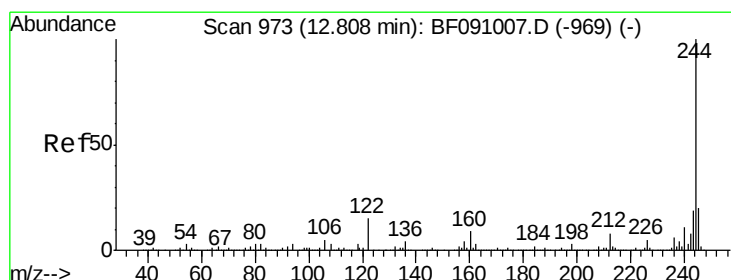
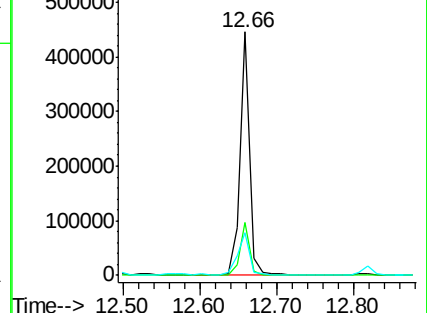
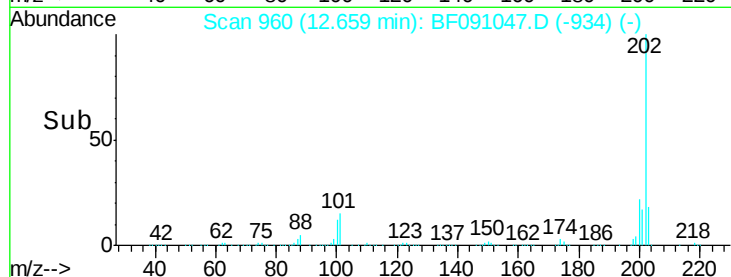
203 17.8 15.0 22.6



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: 18.64 ng

RT: 12.81 min Scan# 973

Delta R.T. 0.00 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

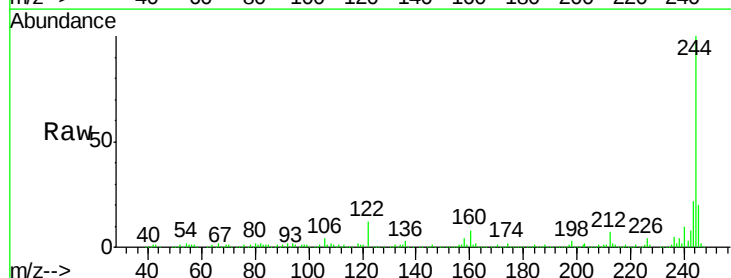
Tgt Ion:244 Resp: 275807

Ion Ratio Lower Upper

244 100

212 7.0 6.4 9.6

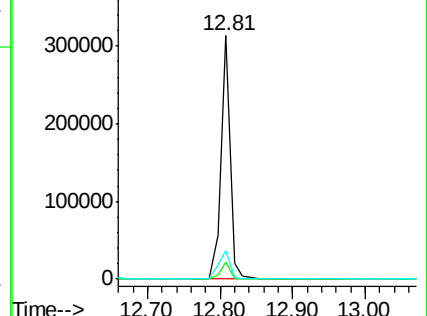
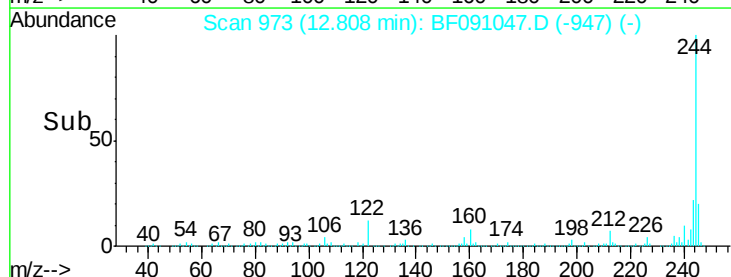
122 11.5 12.3 18.5#

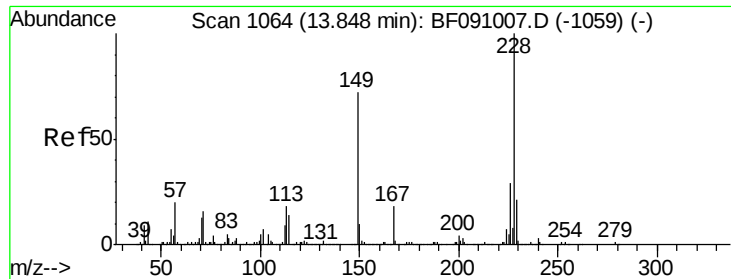


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.57 ng

RT: 13.85 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Instrument :

BNA_F

ClientSampleId :

SB-92-1.5-2.0DL

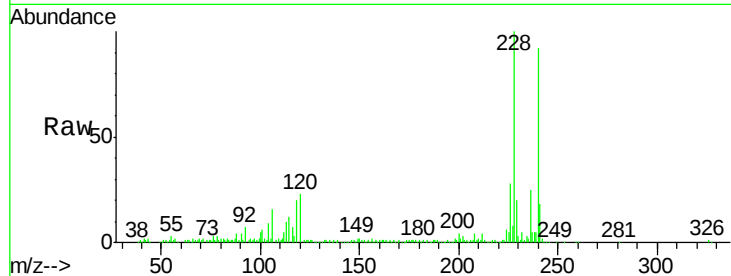
Tgt Ion:228 Resp: 242627

Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.6

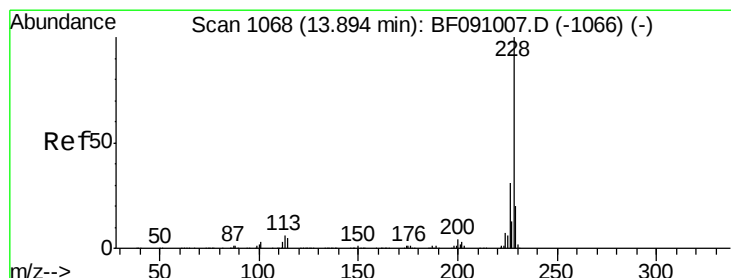
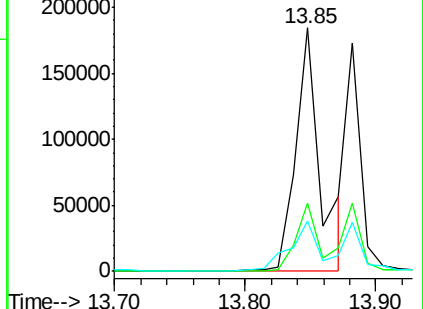
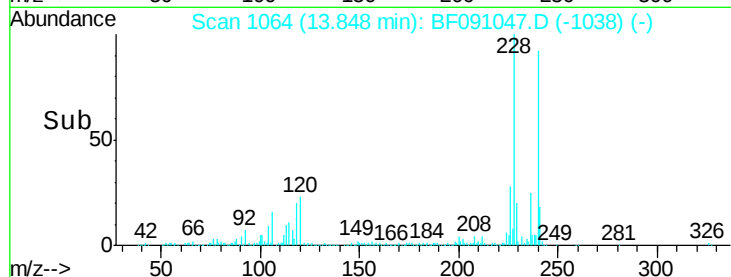
229 20.4 16.6 24.8



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: 11.74 ng

RT: 13.85 min Scan# 1064

Delta R.T. -0.05 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

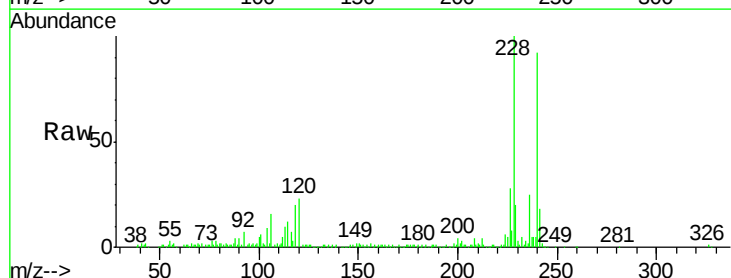
Tgt Ion:228 Resp: 242627

Ion Ratio Lower Upper

228 100

226 28.2 24.9 37.3

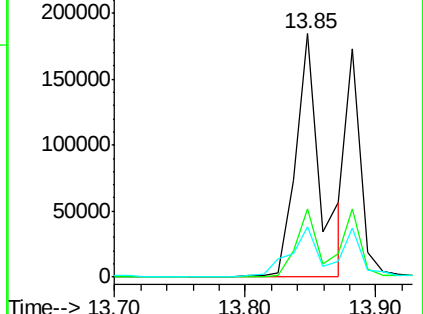
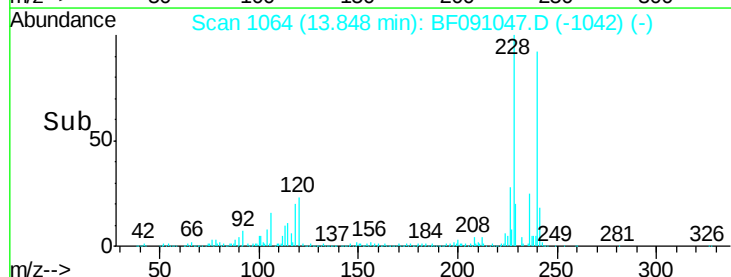
229 20.4 15.9 23.9

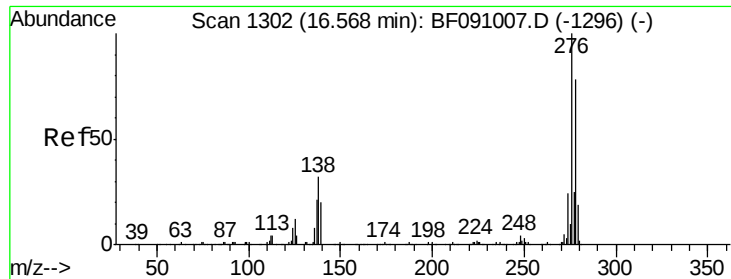


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

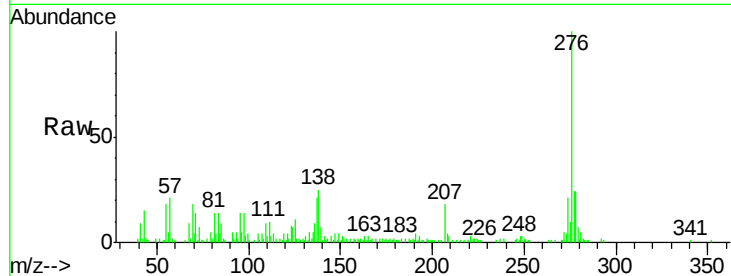




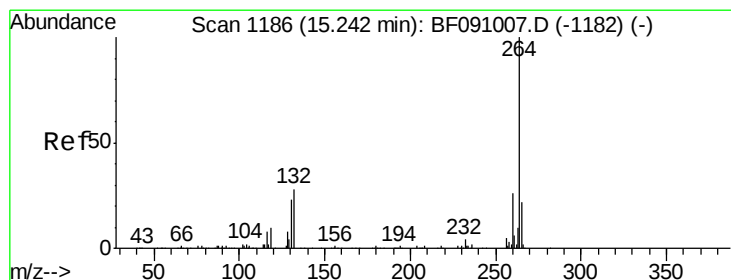
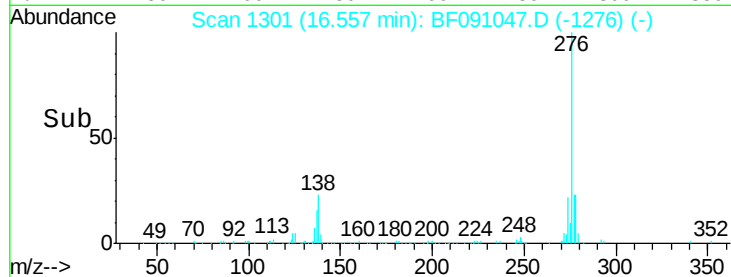
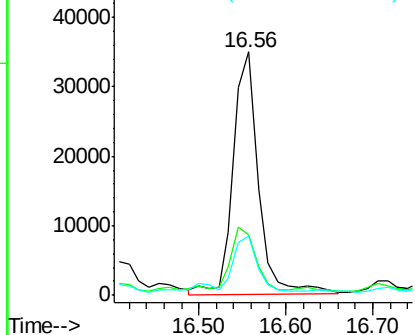
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.08 ng
 RT: 16.56 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-92-1.5-2.0DL

Tgt Ion: 276 Resp: 70059
 Ion Ratio Lower Upper
 276 100
 138 28.6 26.0 39.0
 277 25.6 20.1 30.1

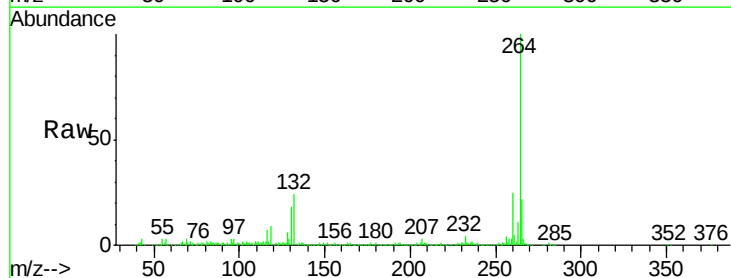


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

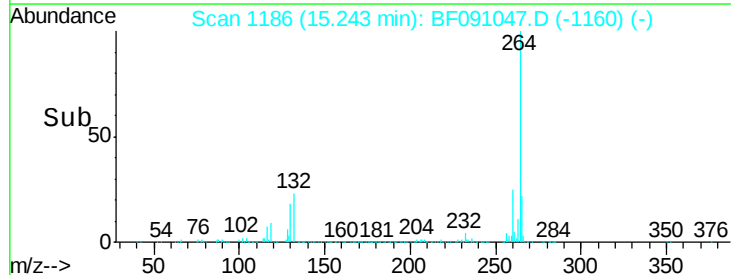
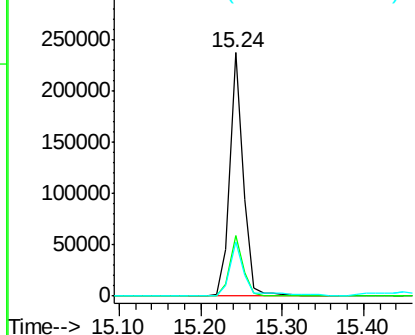


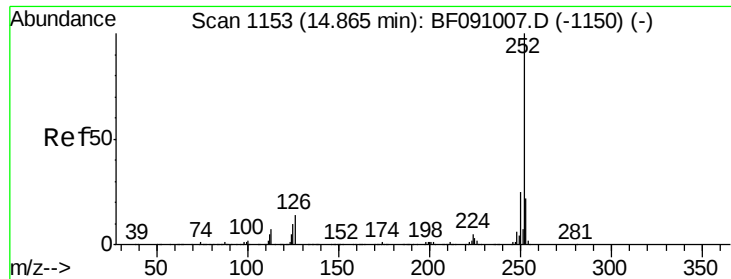
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.24 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF091047.D
 Acq: 5 Nov 2016 3:30

Tgt Ion: 264 Resp: 274040
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.6 30.8
 265 22.2 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: 13.38 ng

RT: 14.85 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

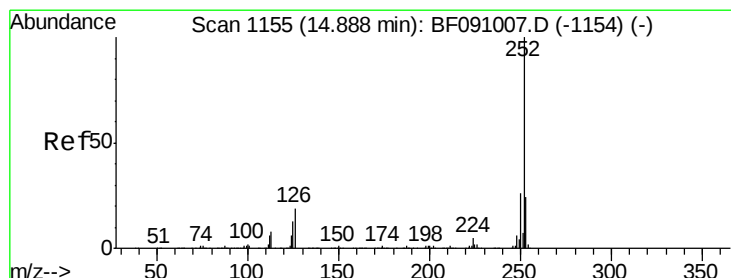
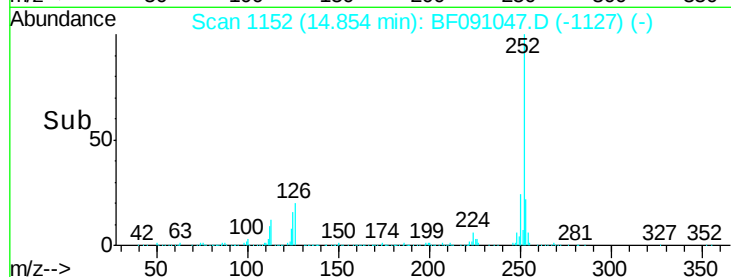
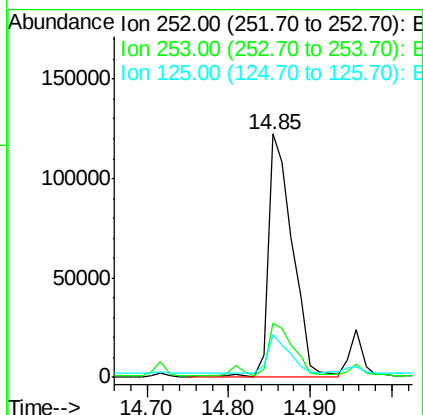
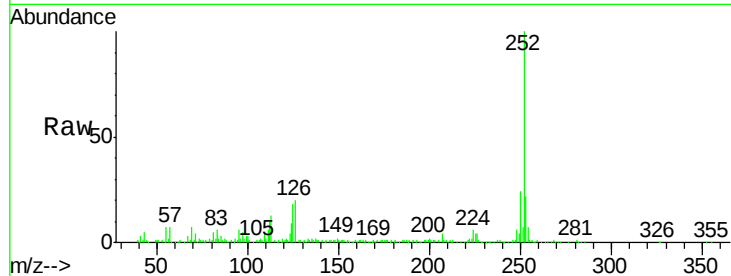
Instrument :

BNA_F

ClientSampleId :

SB-92-1.5-2.0DL

Tgt Ion:	252	Resp:	248678
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.0	27.0
125	17.7	8.3	12.5#



#88

Benzo(k)fluoranthene

Concen: 15.25 ng

RT: 14.85 min Scan# 1152

Delta R.T. -0.03 min

Lab File: BF091047.D

Acq: 5 Nov 2016 3:30

Tgt Ion:	252	Resp:	248678
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.6	28.0
125	17.7	11.2	16.8#

