

Data Path : Z:\HPCHEM1\BNA F\Data\BF102016\
 Data File : BF090687.D
 Acq On : 20 Oct 2016 17:32
 Operator : UM/SJ
 Sample : H5318-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD-1

Quant Time: Oct 21 08:49:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

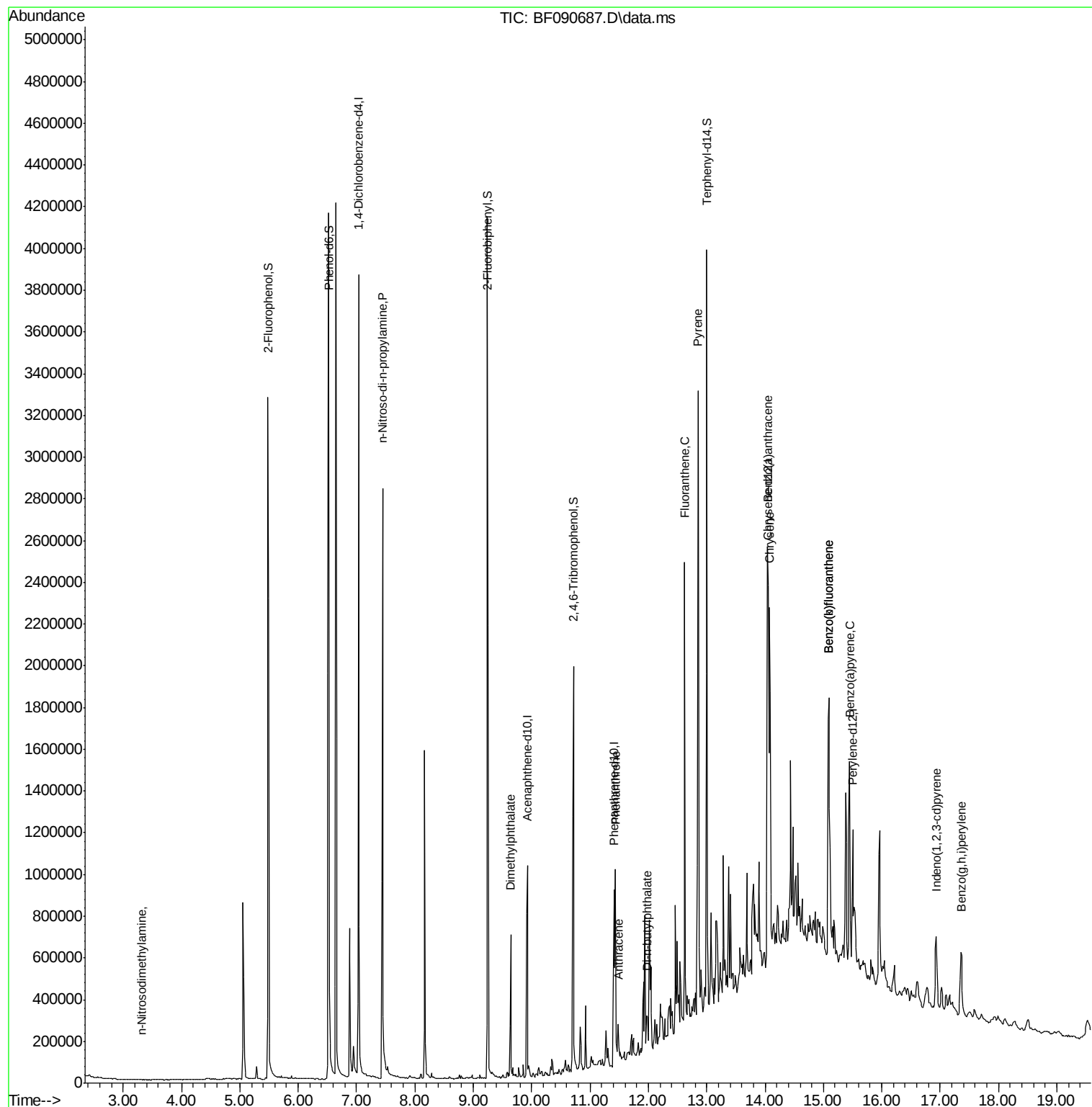
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.035	152	540430	20.00	ng	0.13
21) Naphthalene-d8	0.000	136	0	0.00	ng	-8.20
38) Acenaphthene-d10	9.926	164	282408	20.00	ng	-0.03
63) Phenanthrene-d10	11.412	188	379516	20.00	ng	-0.03
75) Chrysene-d12	14.052	240	372516	20.00	ng	-0.03
86) Perylene-d12	15.504	264	300221	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.480	112	1244013	42.20	ng	-0.03
7) Phenol-d6	6.520	99	1747945	39.90	ng	-0.02
23) Nitrobenzene-d5	7.446	82	1130562	0.00	ng	-0.03
41) 2,4,6-Tribromophenol	10.715	330	270950	107.61	ng	-0.03
44) 2-Fluorobiphenyl	9.241	172	1523123	88.87	ng	-0.03
78) Terphenyl-d14	13.001	244	1237082	77.32	ng	-0.03
Target Compounds						
4) n-Nitrosodimethylamine	3.320	42	265	7.19	ng	Qvalue # 1
19) n-Nitroso-di-n-propyla...	7.446	70	162054	5.40	ng	# 77
49) Dimethylphthalate	9.641	163	285725	15.59	ng	97
70) Phenanthrene	11.435	178	384812	18.99	ng	99
71) Anthracene	11.481	178	90447	4.15	ng	99
73) Di-n-butylphthalate	11.972	149	70282	3.07	ng	# 98
74) Fluoranthene	12.624	202	778702	38.21	ng	95
77) Pyrene	12.852	202	1135868	46.04	ng	99
80) Benzo(a)anthracene	14.041	228	875832	41.30	ng	97
82) Chrysene	14.075	228	773425	37.85	ng	99
85) Indeno(1,2,3-cd)pyrene	16.933	276	242908	20.56	ng	96
87) Benzo(b)fluoranthene	15.092	252	930634	47.37	ng	99
88) Benzo(k)fluoranthene	15.092	252	930634	44.03	ng	# 97
89) Benzo(a)pyrene	15.447	252	518770	28.84	ng	97
91) Benzo(g,h,i)perylene	17.367	276	246513	18.85	ng	99

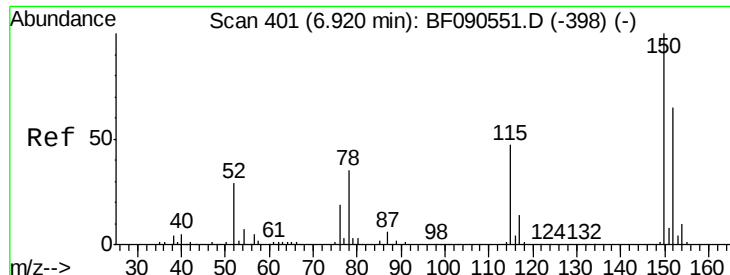
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.035 min Scan# 41

Delta R.T. 0.126 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampled :

FD-1

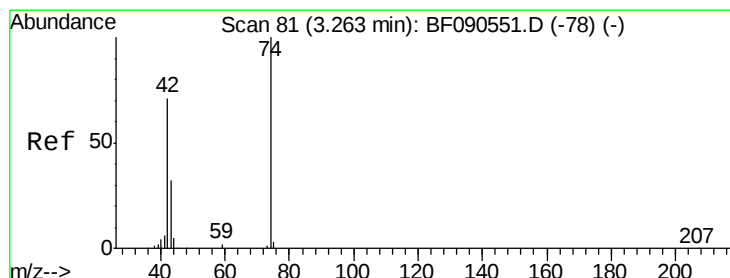
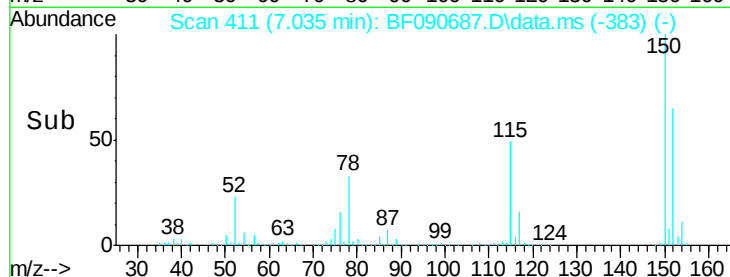
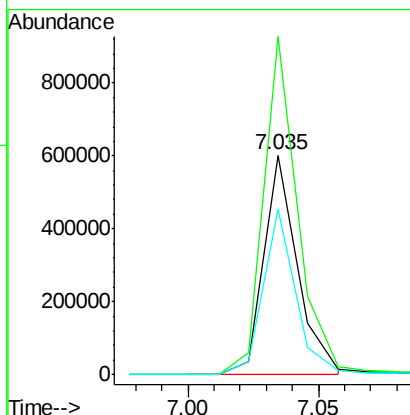
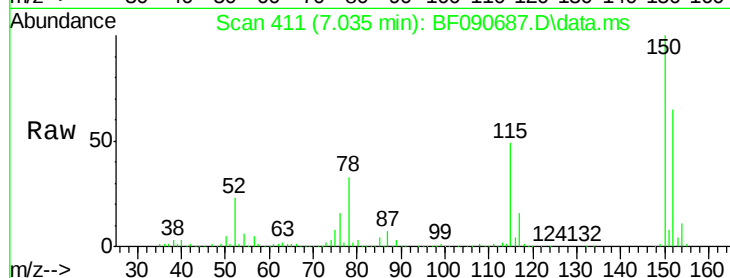
Tot Ion:152 Resp: 540430

Ion Ratio Lower Upper

152 100

150 154.2 127.2 190.8

115 75.6 58.6 88.0



#4

n-Nitrosodimethylamine

Concen: 7.19 ng

RT: 3.320 min Scan# 86

Delta R.T. 0.091 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

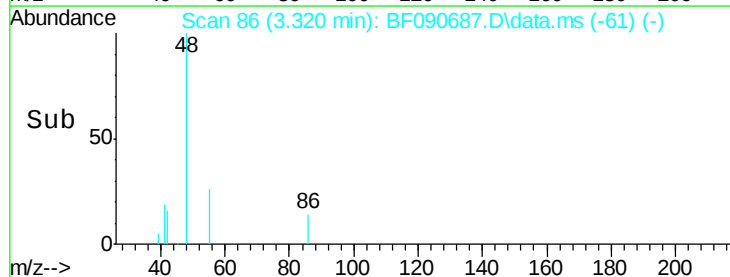
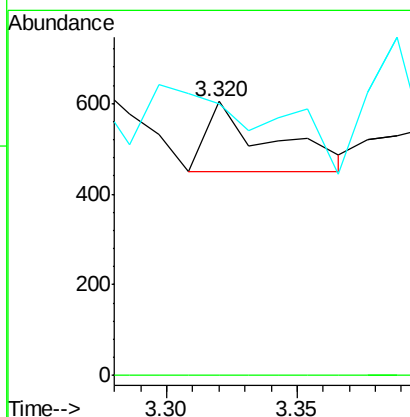
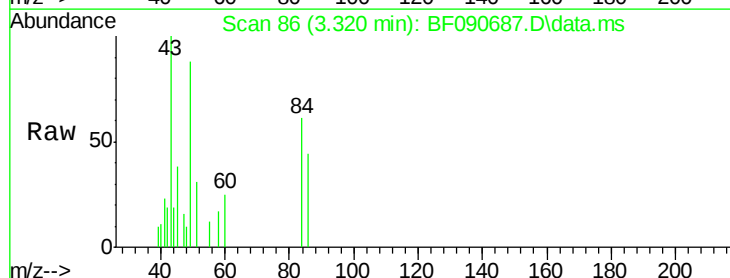
Tgt Ion: 42 Resp: 265

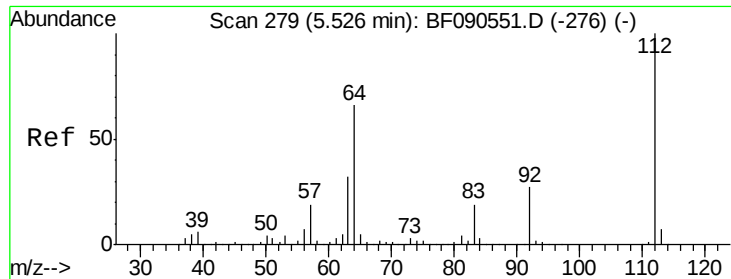
Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

44 99.3 6.0 9.0#





#5

2-Fluorophenol

Concen: 42.20 ng

RT: 5.480 min Scan# 27

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

FD-1

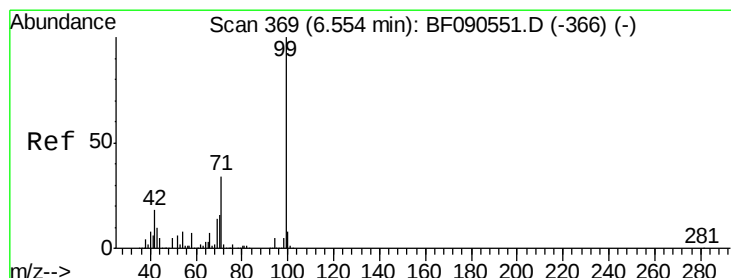
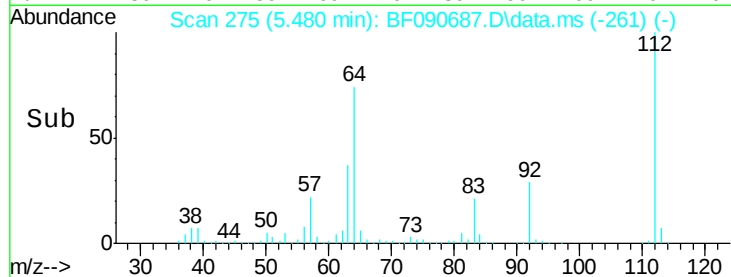
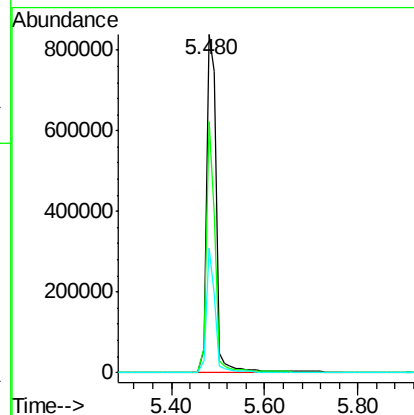
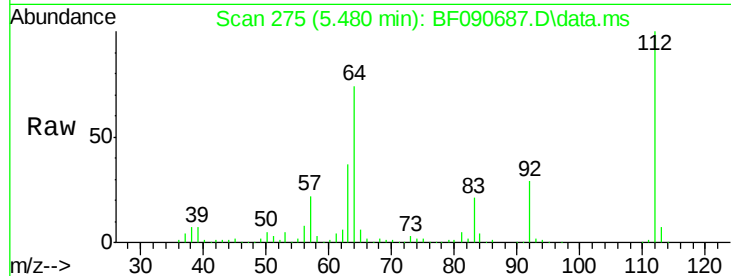
Tot Ion:112 Resp: 1244013

Ion Ratio Lower Upper

112 100

64 74.1 52.6 78.8

63 36.9 26.0 39.0



#7

Phenol-d6

Concen: 39.90 ng

RT: 6.520 min Scan# 366

Delta R.T. -0.023 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

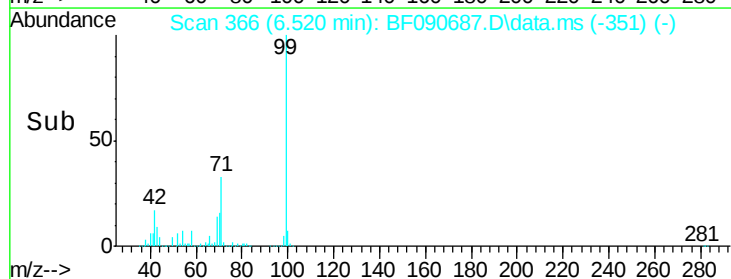
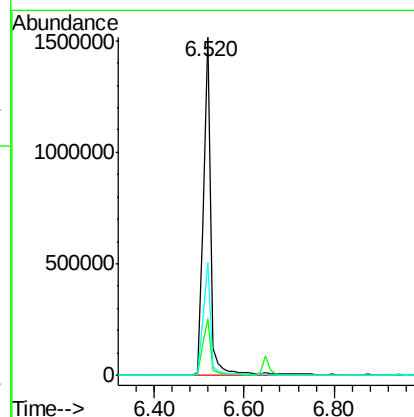
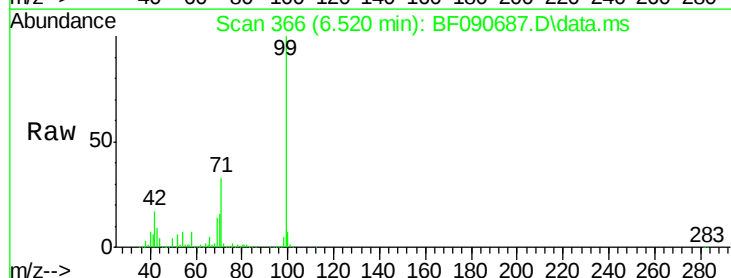
Tgt Ion: 99 Resp: 1747945

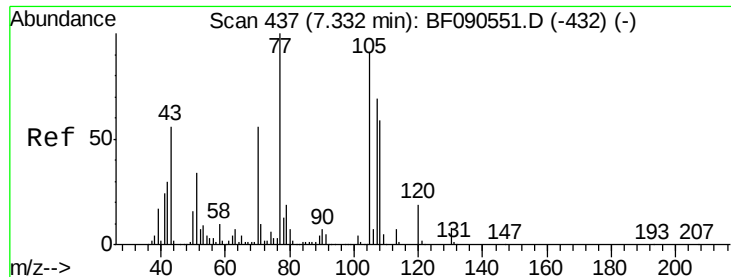
Ion Ratio Lower Upper

99 100

42 16.6 14.7 22.1

71 33.5 27.6 41.4

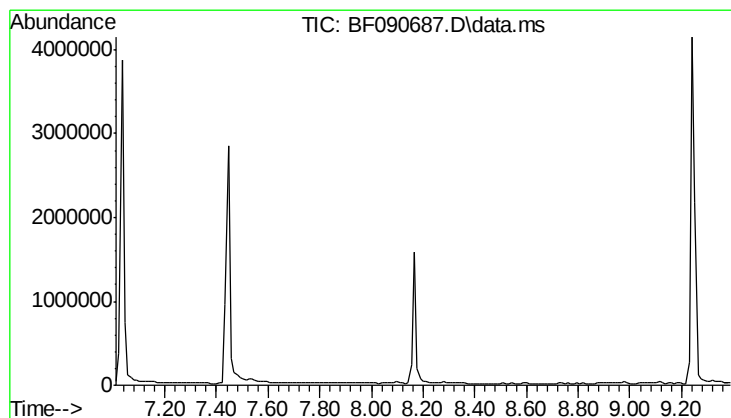
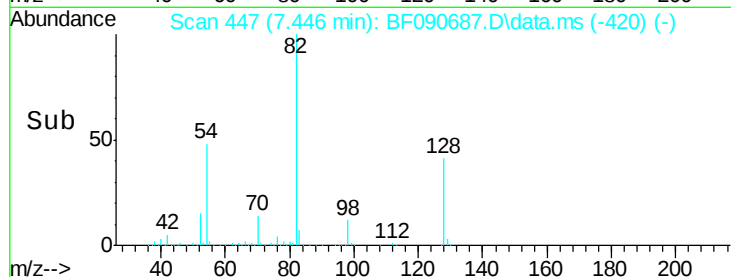
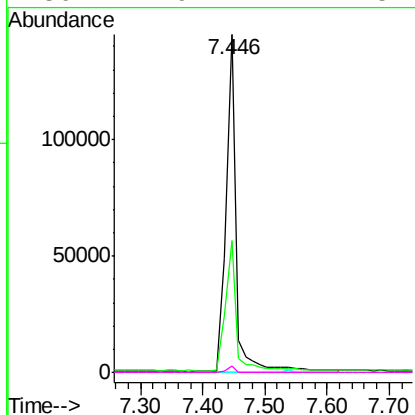
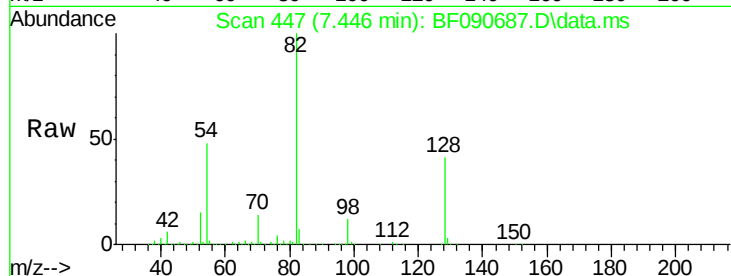




#19
n-Nitroso-di-n-propylamine
Concen: 5.40 ng
RT: 7.446 min Scan# 44
Delta R.T. 0.114 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Instrument :
BNA_F
ClientSampleId :
FD-1

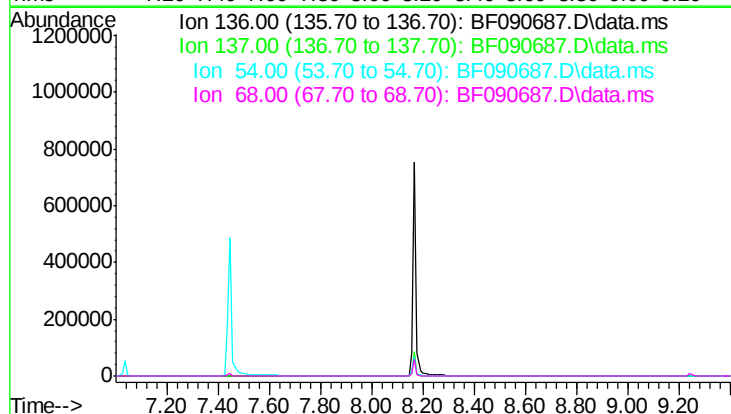
Tot Ion: 70 Resp: 162054
Ion Ratio Lower Upper
70 100
42 39.0 43.4 65.0#
101 0.0 6.4 9.6#
130 1.9 12.1 18.1#

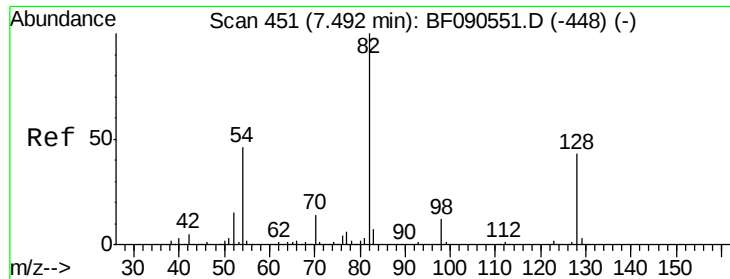


#21
Naphthalene-d8
Concen: 0.00 ng
Expected RT: 8.20 min

Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Tgt Ion: 136
Sig Exp Ratio
136 100
137 11.0
54 8.5
68 7.5





#23

Nitrobenzene-d5

Concen: 0.00 ng

RT: 7.446 min Scan# 44

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

FD-1

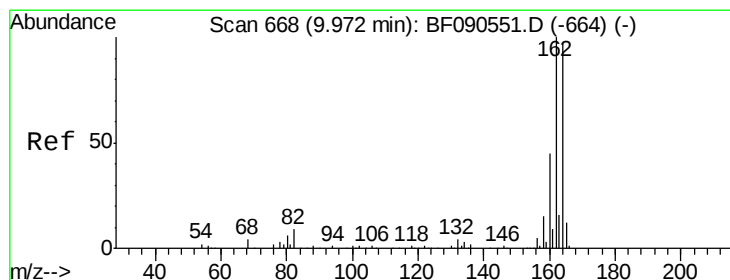
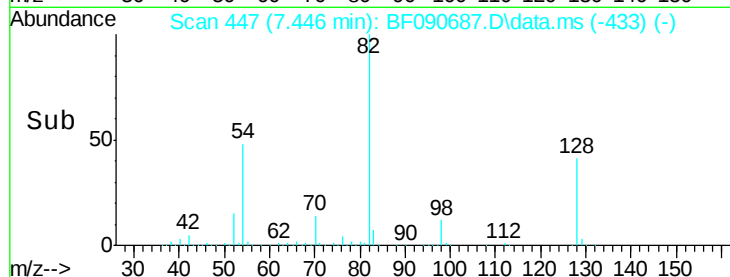
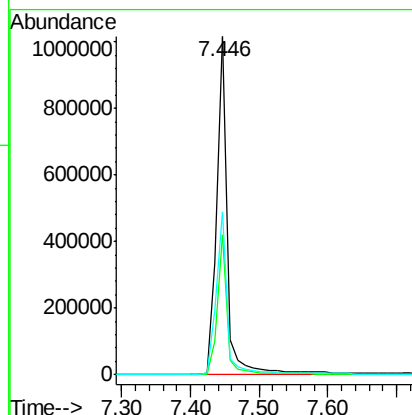
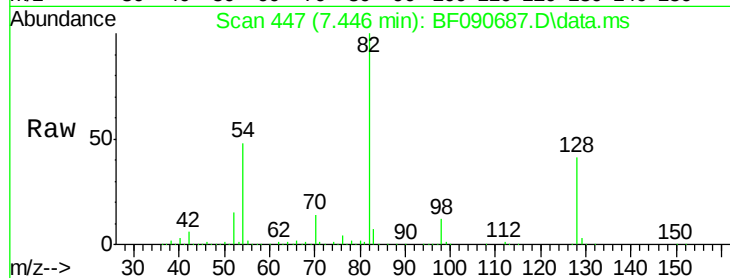
Tot Ion: 82 Resp: 1130562

Ion Ratio Lower Upper

82 100

128 41.5 34.3 51.5

54 48.1 37.0 55.6



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.926 min Scan# 664

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

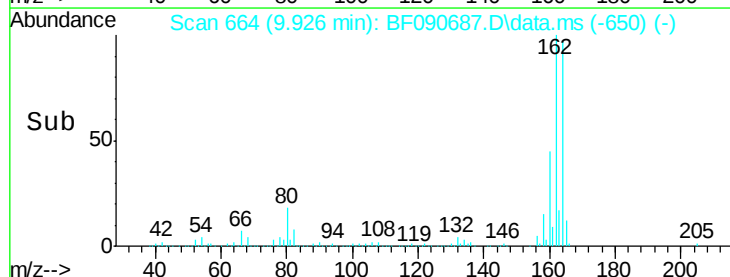
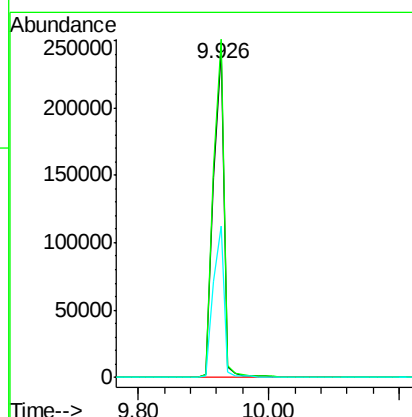
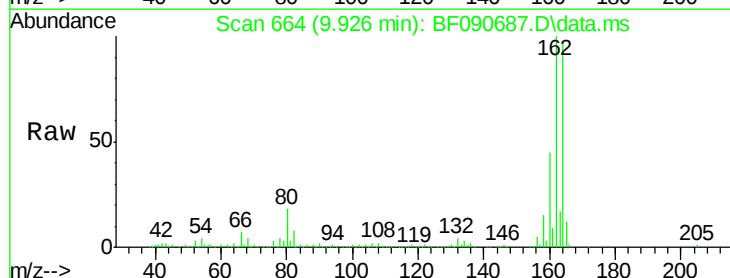
Tgt Ion:164 Resp: 282408

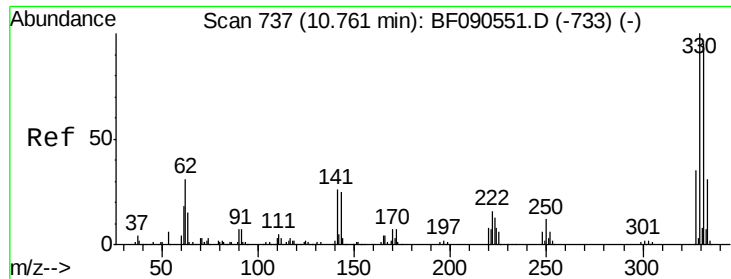
Ion Ratio Lower Upper

164 100

162 103.6 82.2 123.4

160 46.5 36.6 55.0

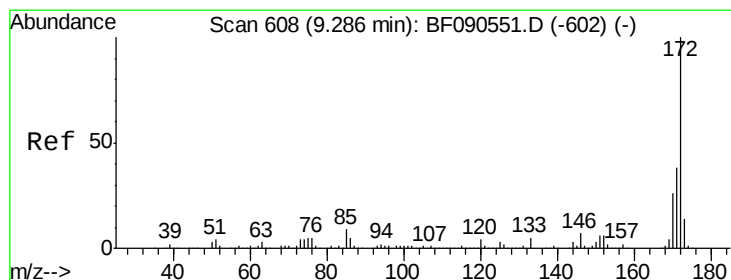
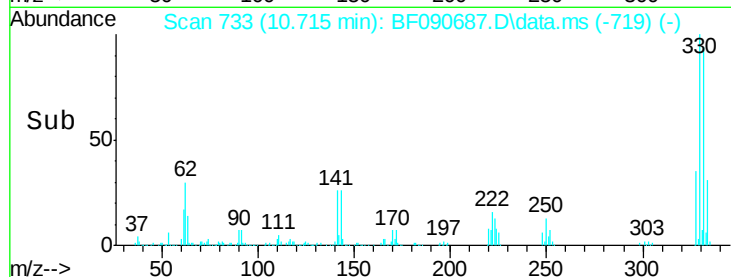
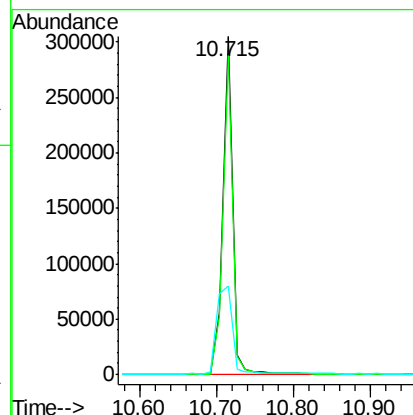
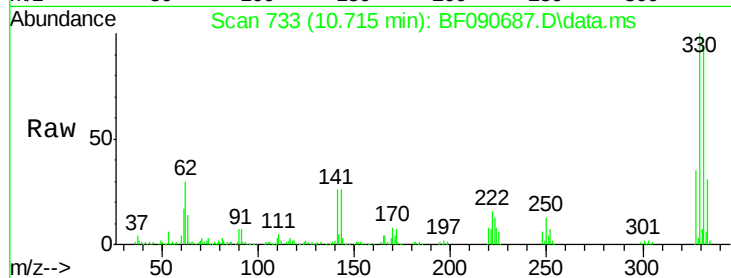




#41
 2,4,6-Tribromophenol
 Concen: 107.61 ng
 RT: 10.715 min Scan# 73
 Delta R.T. -0.034 min
 Lab File: BF090687.D
 Acq: 20 Oct 2016 17:32

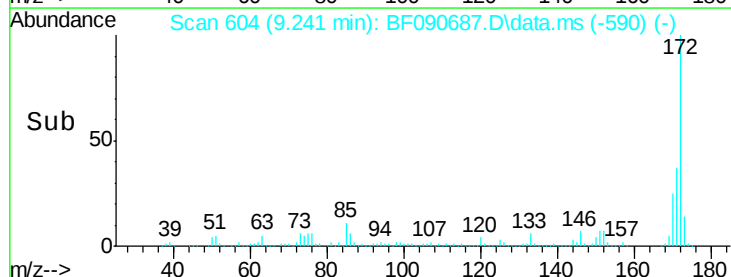
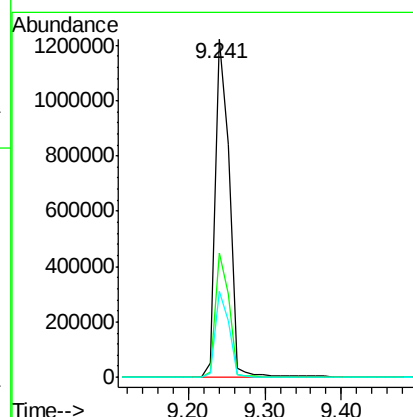
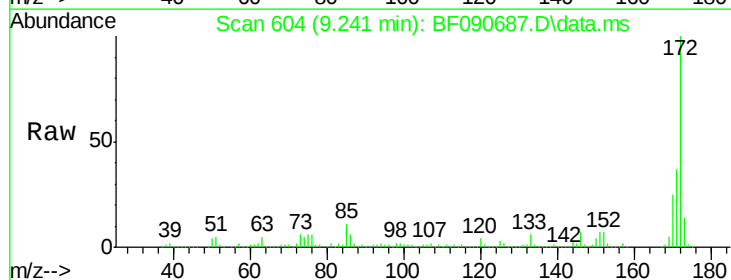
Instrument :
 BNA_F
 ClientSampleId :
 FD-1

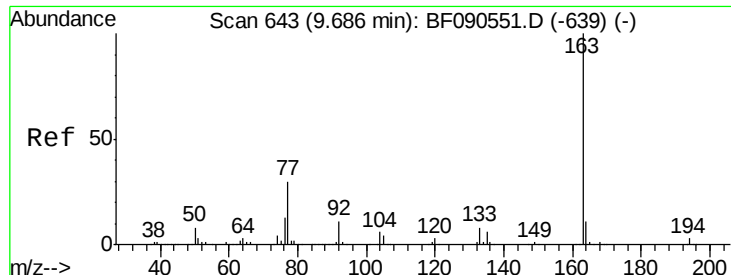
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.2	114.2
141	41.9	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 88.87 ng
 RT: 9.241 min Scan# 604
 Delta R.T. -0.034 min
 Lab File: BF090687.D
 Acq: 20 Oct 2016 17:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.1	45.1
170	25.3	20.6	30.8





#49

Dimethylphthalate

Concen: 15.59 ng

RT: 9.641 min Scan# 63

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

FD-1

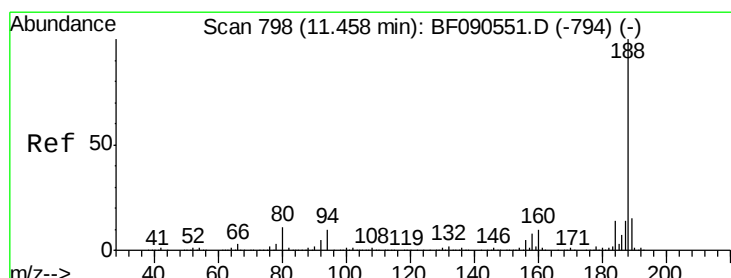
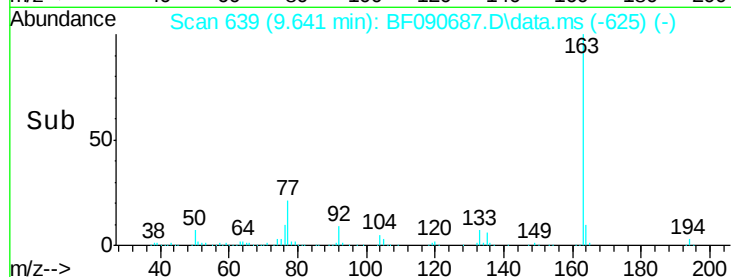
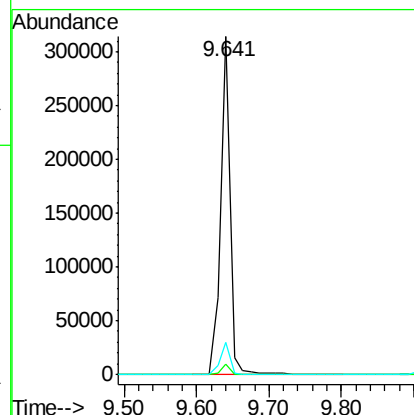
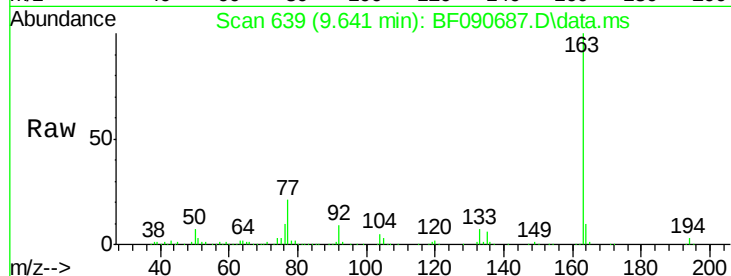
Tot Ion:163 Resp: 285725

Ion Ratio Lower Upper

163 100

194 3.2 2.3 3.5

164 9.7 8.6 13.0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.412 min Scan# 794

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

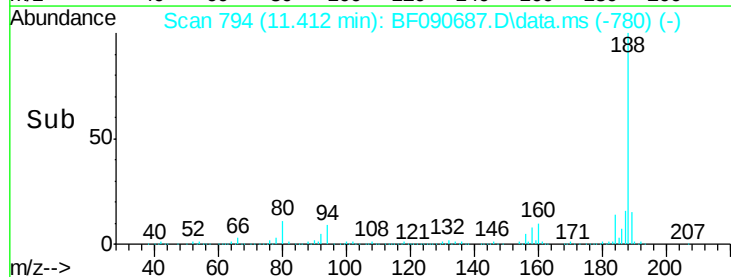
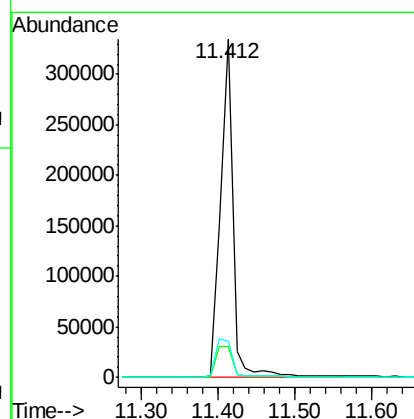
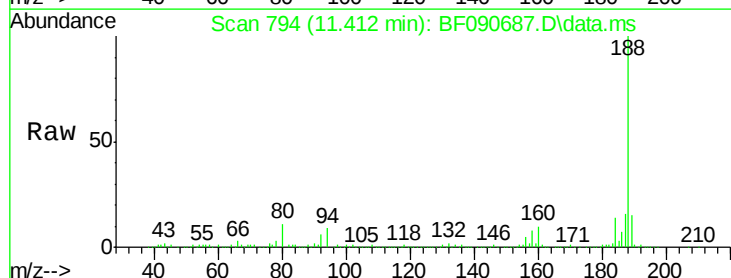
Tgt Ion:188 Resp: 379516

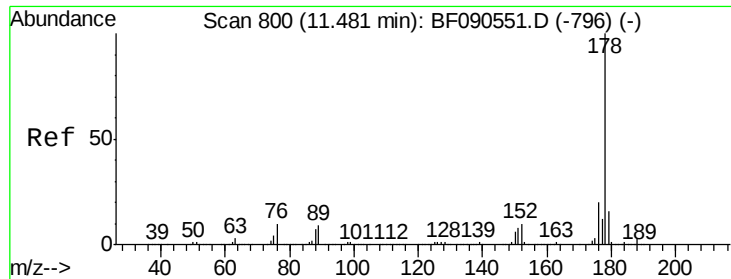
Ion Ratio Lower Upper

188 100

94 9.2 7.7 11.5

80 10.7 8.6 12.8

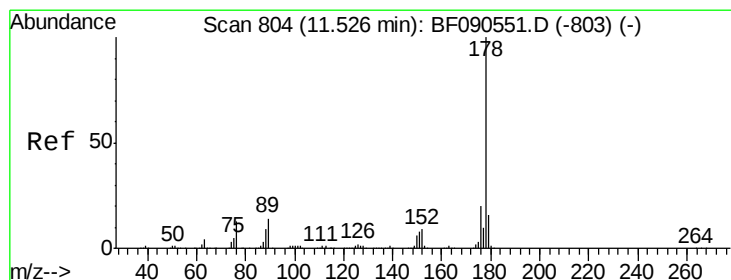
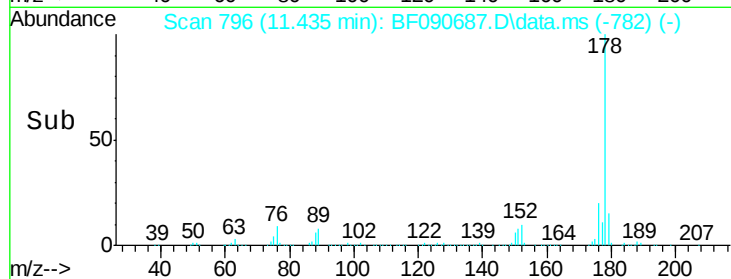
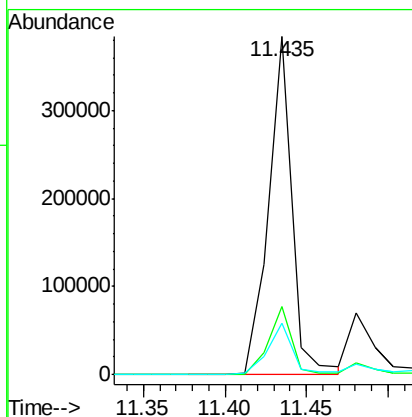
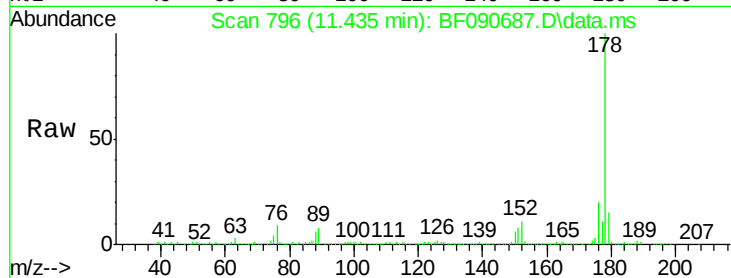




#70
Phenanthrene
Concen: 18.99 ng
RT: 11.435 min Scan# 79
Delta R.T. -0.034 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

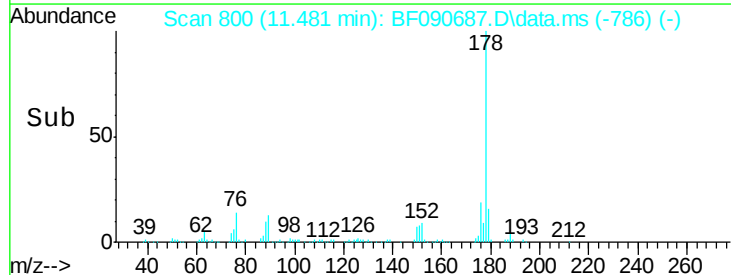
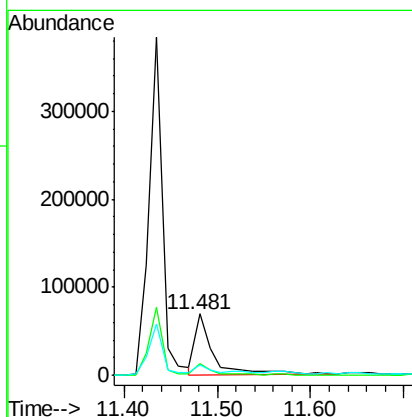
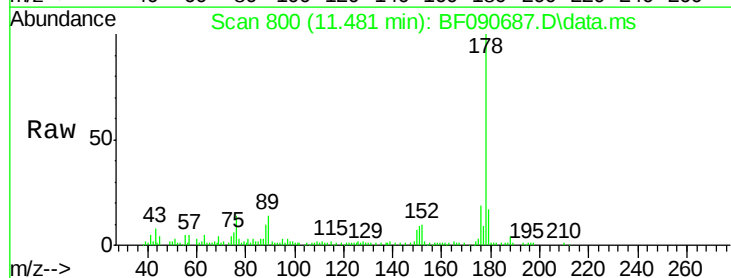
Instrument :
BNA_F
ClientSampleId :
FD-1

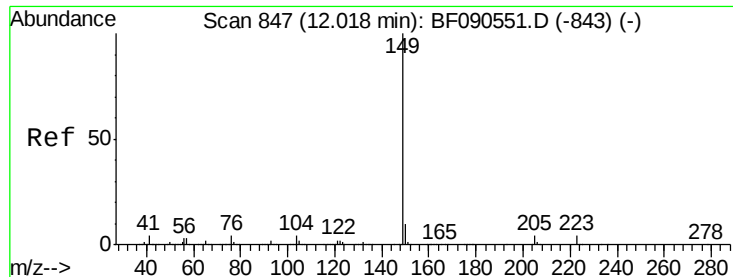
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.1	24.1
179	15.2	12.6	19.0



#71
Anthracene
Concen: 4.15 ng
RT: 11.481 min Scan# 800
Delta R.T. -0.034 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	16.6	13.0	19.4





#73

Di-n-butylphthalate

Concen: 3.07 ng

RT: 11.972 min Scan# 84

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

FD-1

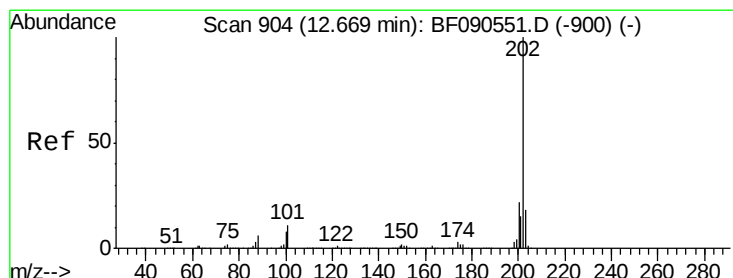
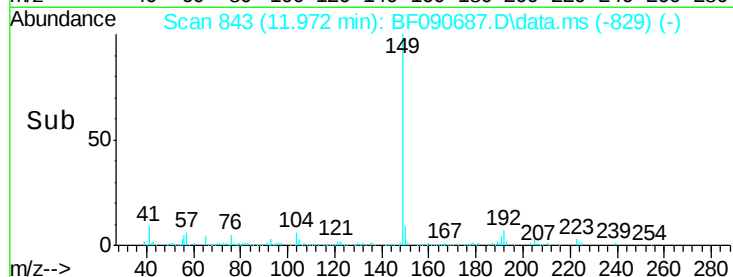
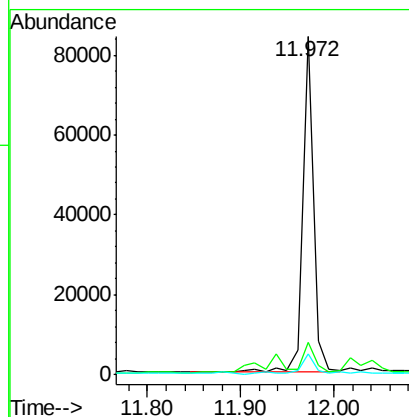
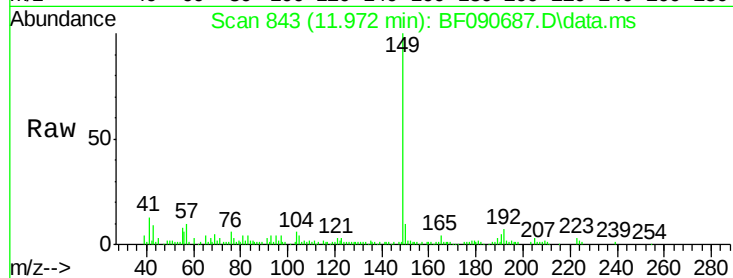
Tot Ion:149 Resp: 70282

Ion Ratio Lower Upper

149 100

150 9.7 7.8 11.6

104 6.3 3.3 4.9#



#74

Fluoranthene

Concen: 38.21 ng

RT: 12.624 min Scan# 900

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

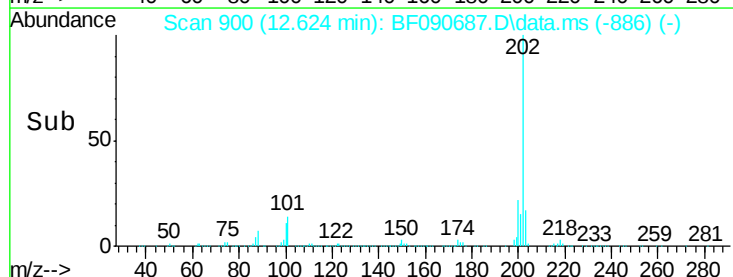
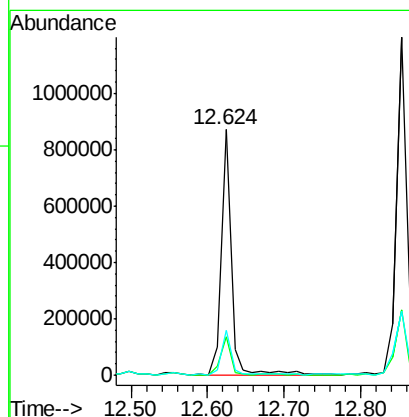
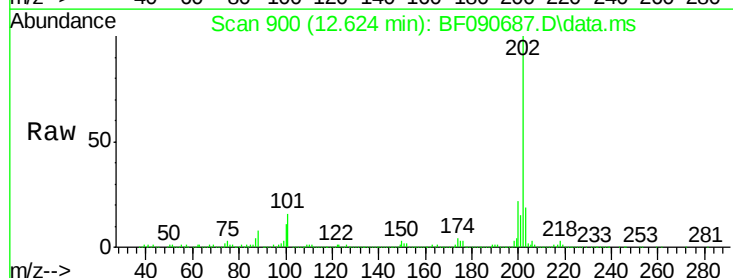
Tgt Ion:202 Resp: 778702

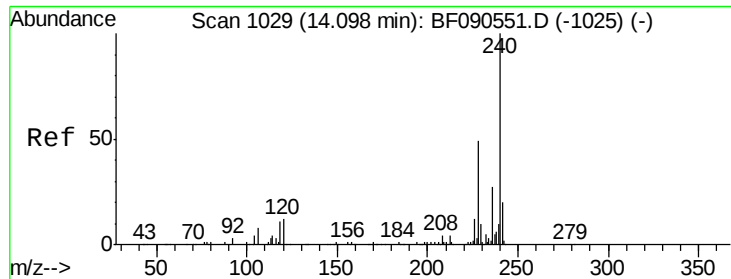
Ion Ratio Lower Upper

202 100

101 15.6 0.0 31.1

203 18.5 0.0 38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.052 min Scan# 10

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

FD-1

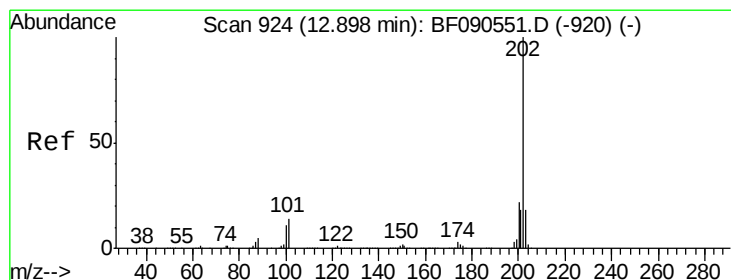
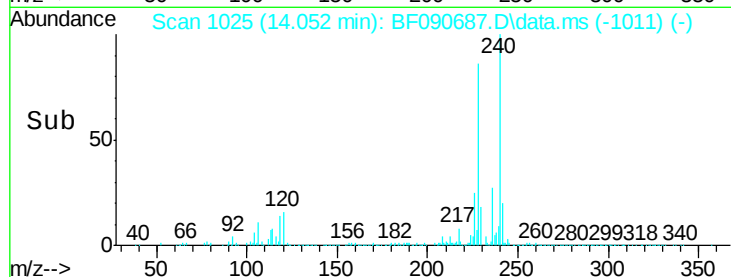
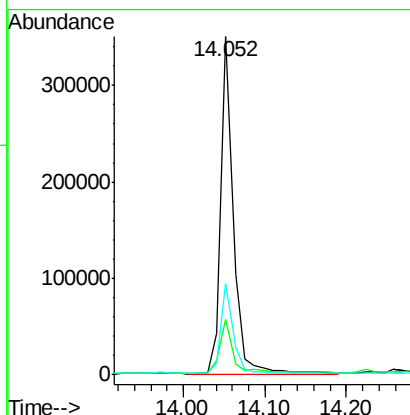
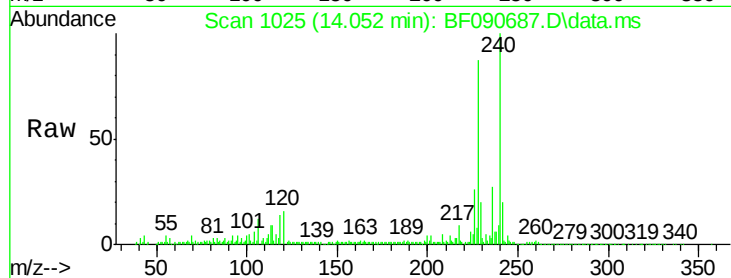
Tot Ion:240 Resp: 372516

Ion Ratio Lower Upper

240 100

120 16.3 9.8 14.8#

236 27.1 21.7 32.5



#77

Pyrene

Concen: 46.04 ng

RT: 12.852 min Scan# 920

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

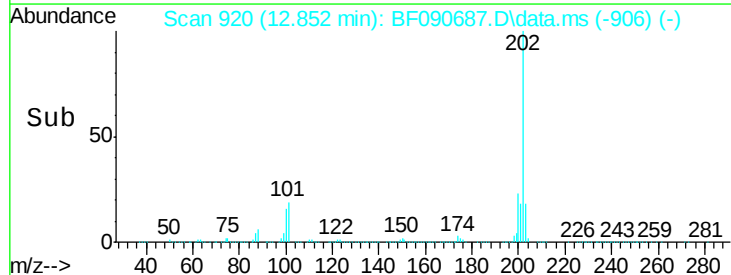
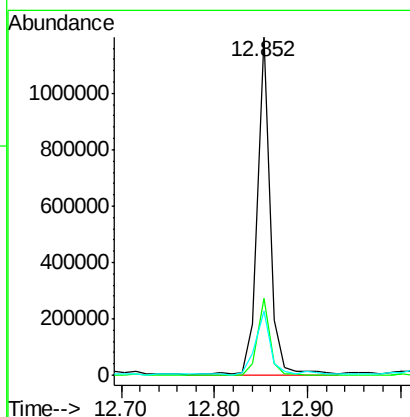
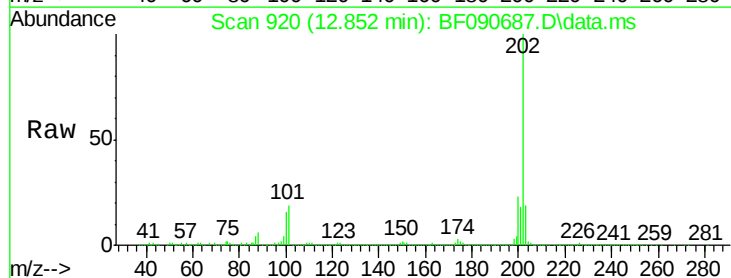
Tgt Ion:202 Resp: 1135868

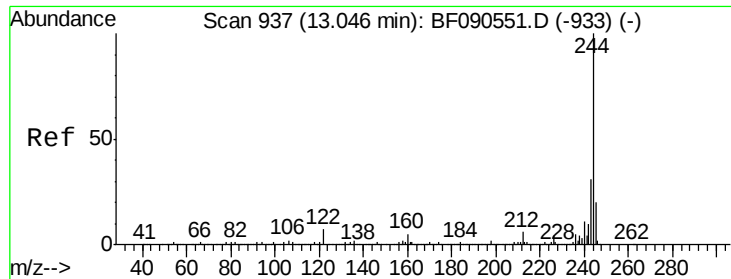
Ion Ratio Lower Upper

202 100

200 22.7 17.8 26.6

203 18.8 14.6 21.8





#78

Terphenyl-d14

Concen: 77.32 ng

RT: 13.001 min Scan# 93

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

FD-1

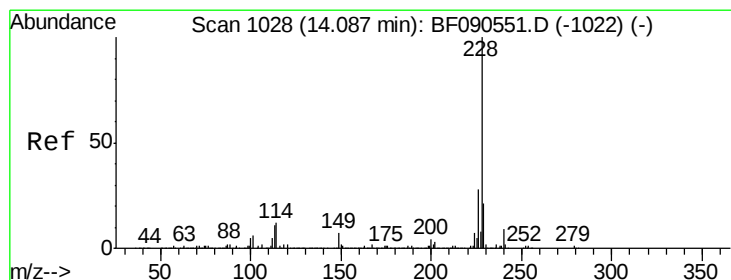
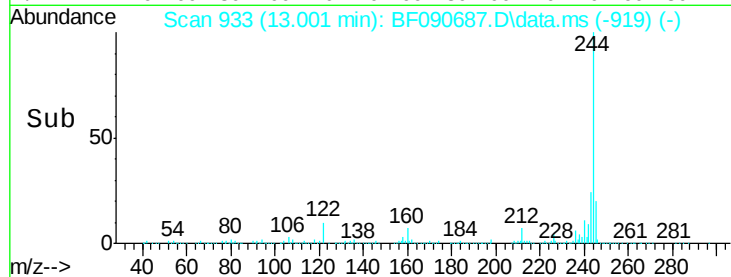
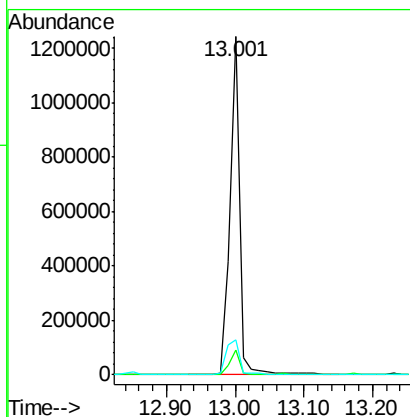
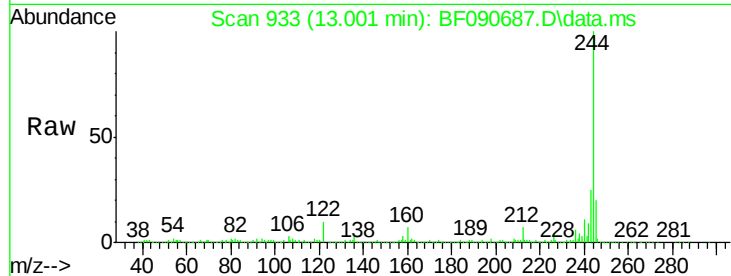
Tot Ion:244 Resp: 1237082

Ion Ratio Lower Upper

244 100

212 7.2 5.0 7.4

122 10.4 5.6 8.4#



#80

Benzo(a)anthracene

Concen: 41.30 ng

RT: 14.041 min Scan# 1024

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

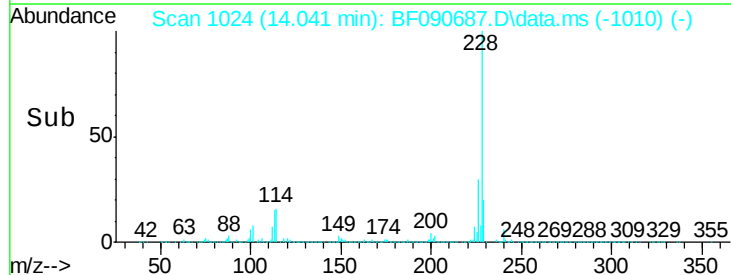
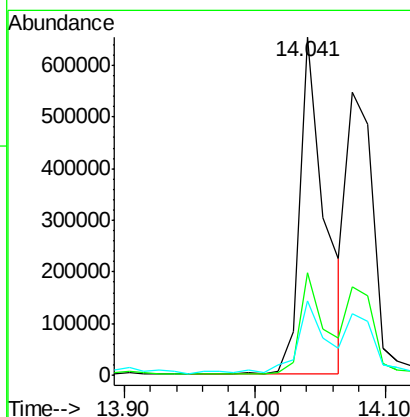
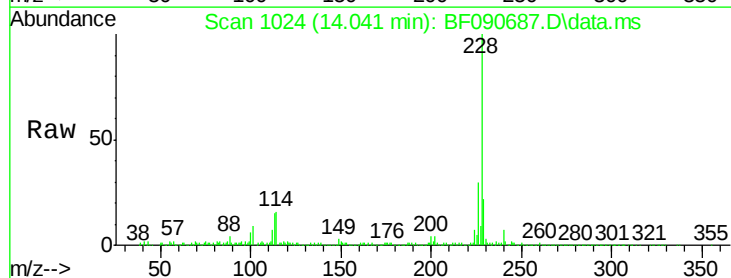
Tgt Ion:228 Resp: 875832

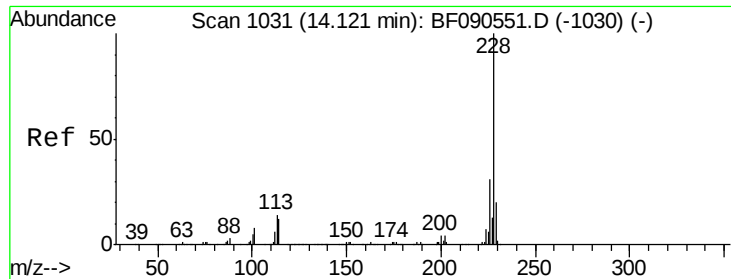
Ion Ratio Lower Upper

228 100

226 30.3 22.8 34.2

229 21.9 16.6 25.0





#82

Chrysene

Concen: 37.85 ng

RT: 14.075 min Scan# 10

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

FD-1

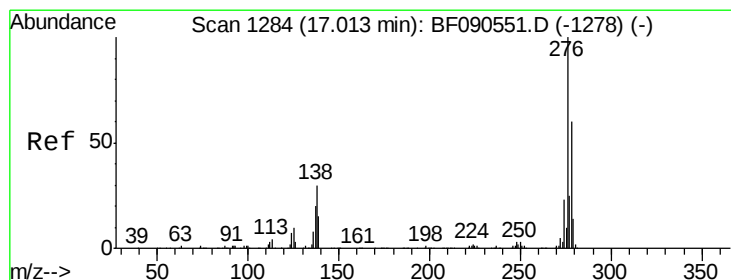
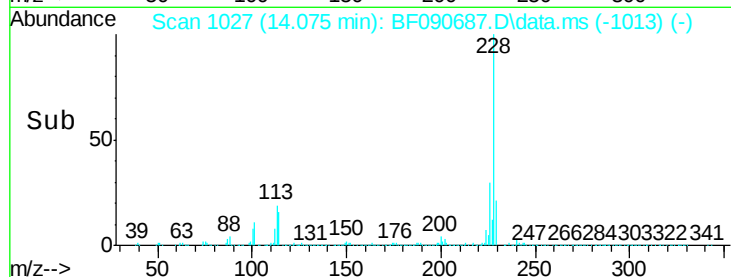
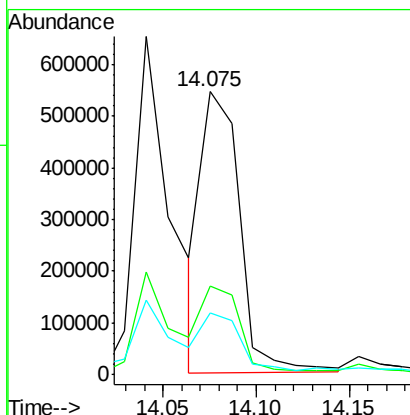
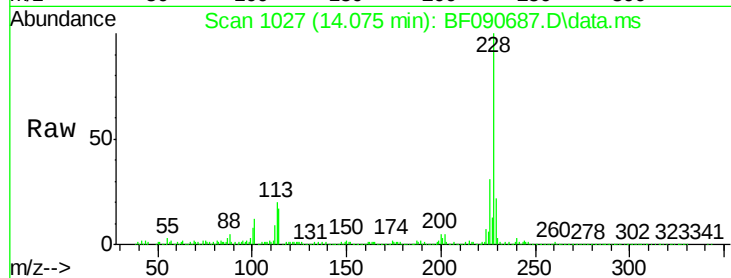
Tot Ion:228 Resp: 773425

Ion Ratio Lower Upper

228 100

226 31.1 24.8 37.2

229 21.9 16.2 24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 20.56 ng

RT: 16.933 min Scan# 1277

Delta R.T. -0.057 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

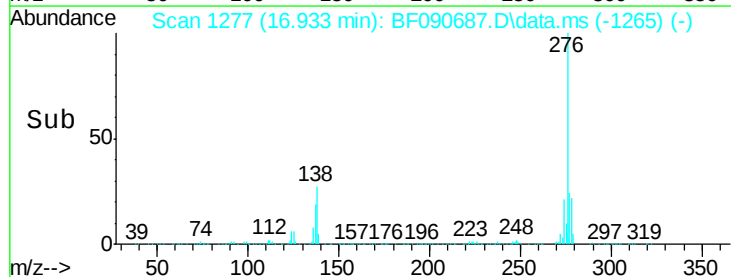
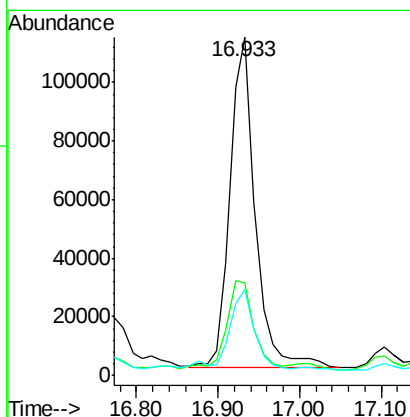
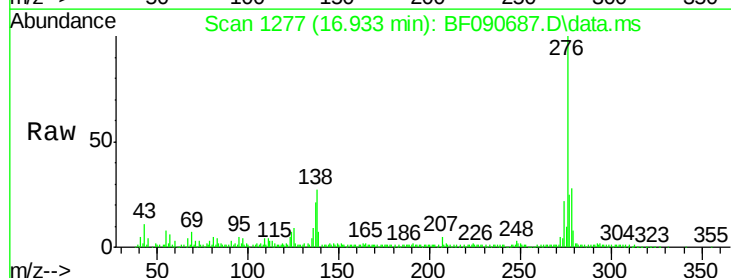
Tgt Ion:276 Resp: 242908

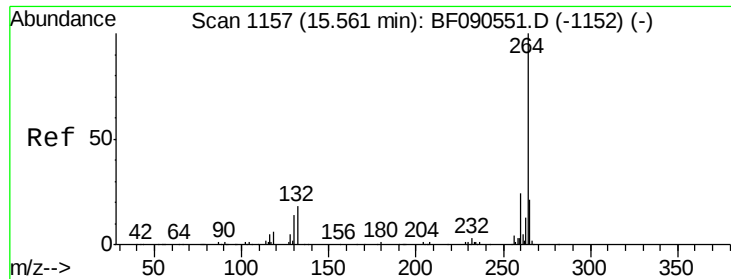
Ion Ratio Lower Upper

276 100

138 28.4 25.8 38.6

277 25.1 20.1 30.1

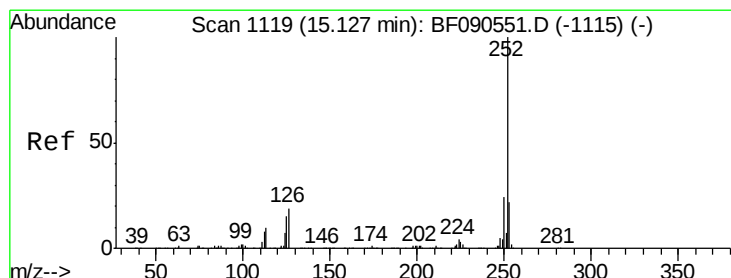
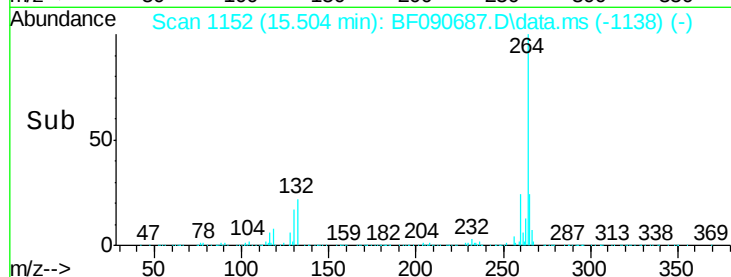
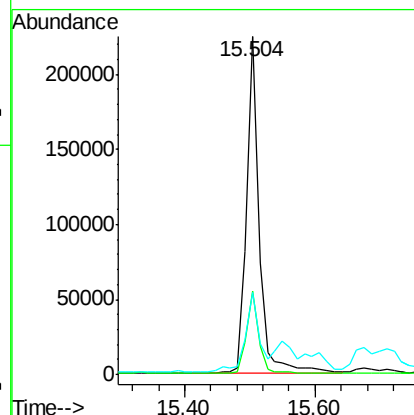
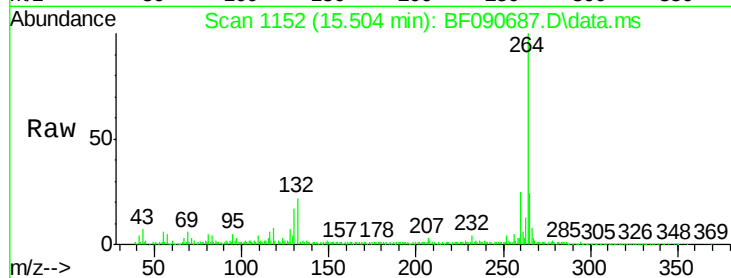




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.504 min Scan# 111
Delta R.T. -0.034 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

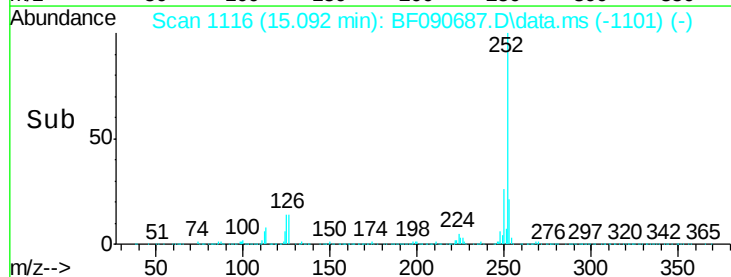
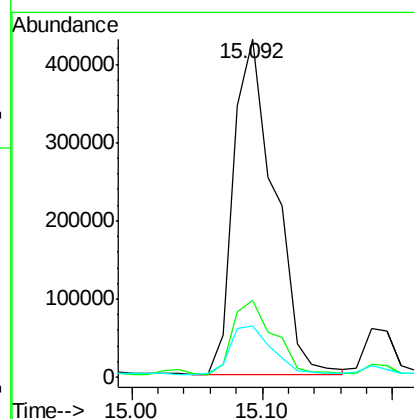
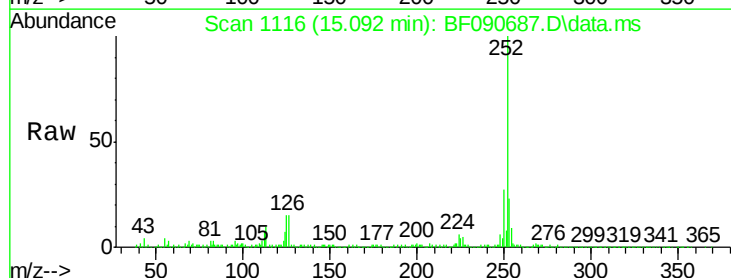
Instrument :
BNA_F
ClientSampleId :
FD-1

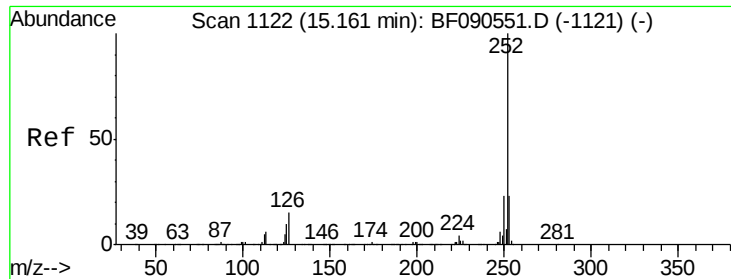
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.3	28.9
265	24.4	16.7	25.1



#87
Benzo(b)fluoranthene
Concen: 47.37 ng
RT: 15.092 min Scan# 1116
Delta R.T. -0.023 min
Lab File: BF090687.D
Acq: 20 Oct 2016 17:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	15.1	12.0	18.0





#88

Benzo(k)fluoranthene

Concen: 44.03 ng

RT: 15.092 min Scan# 111

Delta R.T. -0.057 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

FD-1

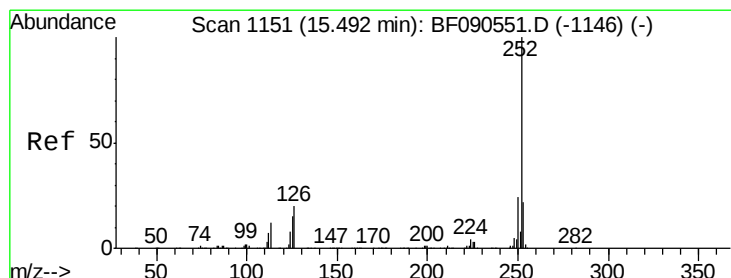
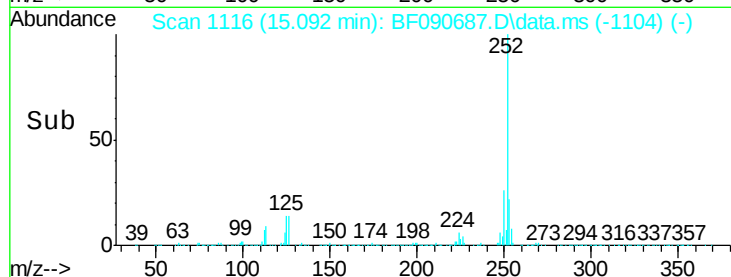
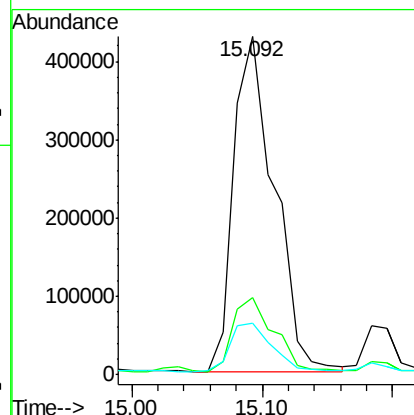
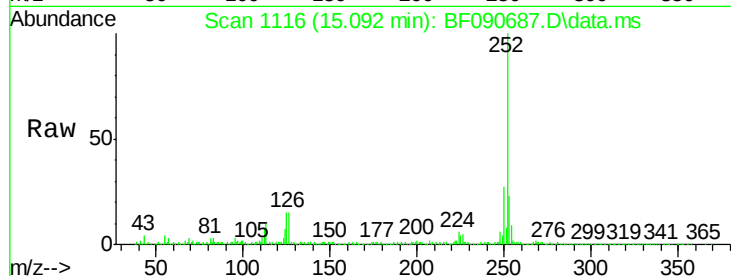
Tot Ion:252 Resp: 930634

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

125 15.1 10.0 15.0#



#89

Benzo(a)pyrene

Concen: 28.84 ng

RT: 15.447 min Scan# 1147

Delta R.T. -0.034 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

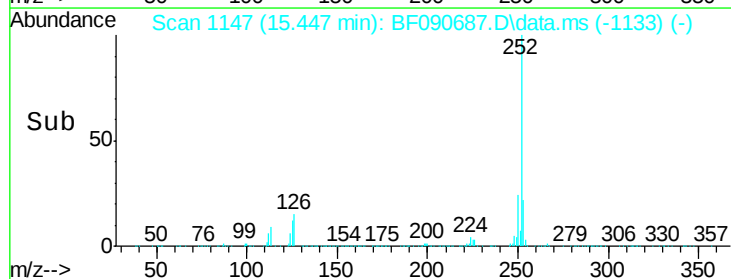
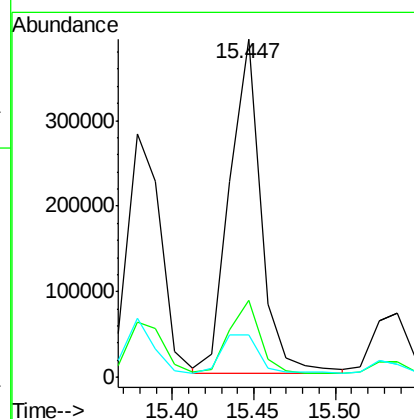
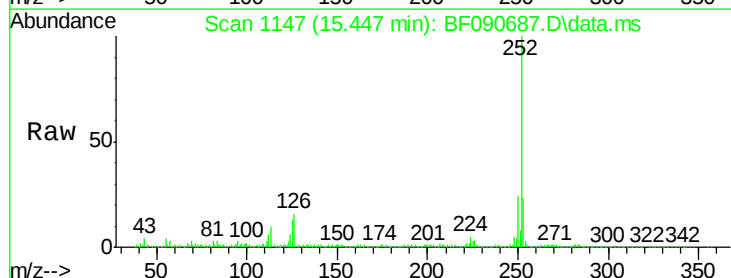
Tgt Ion:252 Resp: 518770

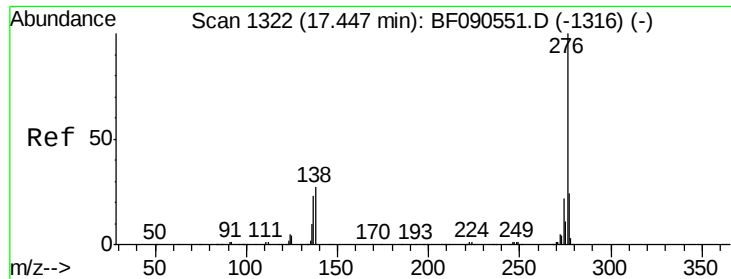
Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 12.6 12.3 18.5





#91

Benzo(a,h,i)perylene

Concen: 18.85 ng

RT: 17.367 min Scan# 13

Delta R.T. -0.057 min

Lab File: BF090687.D

Acq: 20 Oct 2016 17:32

Instrument :

BNA_F

ClientSampleId :

FD-1

Tot Ion:276 Resp: 246513

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 26.4 21.8 32.8

