

Data Path : Z:\HPCHEM1\BNA F\Data\BF102516\Not Reviewed Data\
 Data File : BF090831.D
 Acq On : 26 Oct 2016 2:05
 Operator : UM/SJ
 Sample : H5396-04 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P2-S3

Quant Time: Oct 26 08:47:58 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 17:36:31 2016
 Response via : Initial Calibration

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

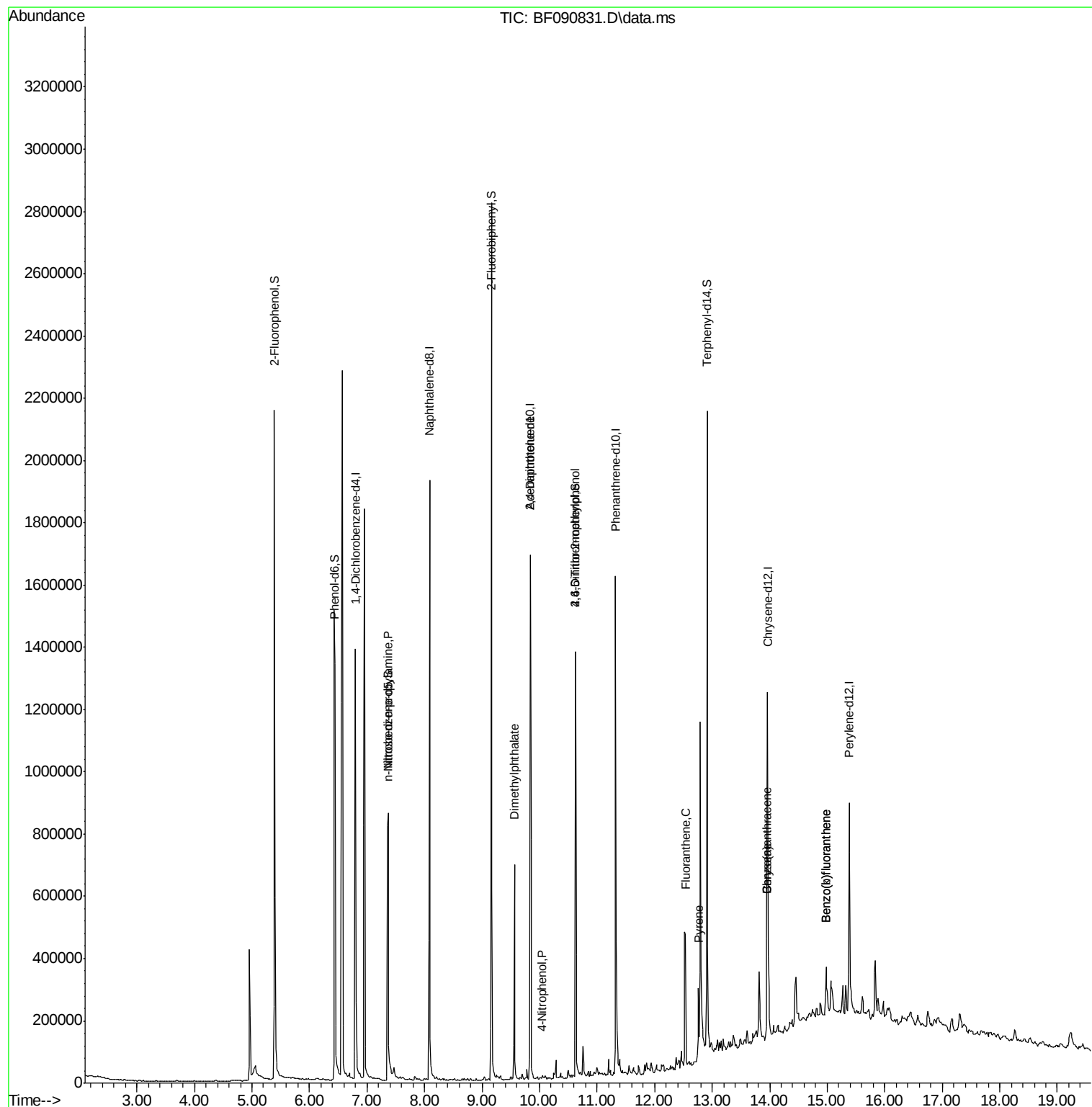
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.796	152	213388	20.00	ng	-0.07	
21) Naphthalene-d8	8.087	136	893765	20.00	ng	-0.06	
38) Acenaphthene-d10	9.836	164	396077	20.00	ng	-0.07	
63) Phenanthrene-d10	11.322	188	585855	20.00	ng	-0.07	
75) Chrysene-d12	13.962	240	401517	20.00	ng	-0.06	
86) Perylene-d12	15.379	264	370719	20.00	ng	-0.08	
System Monitoring Compounds							
5) 2-Fluorophenol	5.390	112	664938	50.25	ng	-0.07	
7) Phenol-d6	6.441	99	894091	49.89	ng	-0.06	
23) Nitrobenzene-d5	7.367	82	528545	32.43	ng	-0.06	
41) 2,4,6-Tribromophenol	10.625	330	153336	48.91	ng	-0.07	
44) 2-Fluorobiphenyl	9.162	172	855461	33.53	ng	-0.07	
78) Terphenyl-d14	12.911	244	602947	34.42	ng	-0.06	
Target Compounds							
19) n-Nitroso-di-n-propyla...	7.356	70	68640	5.14	ng		Qvalue
49) Dimethylphthalate	9.562	163	269183	10.82	ng		# 55
55) 4-Nitrophenol	10.042	139	656	6.10	ng		# 97
56) 2,4-Dinitrotoluene	9.836	165	52462	8.02	ng		# 81
64) 4,6-Dinitro-2-methylph...	10.625	198	269	4.24	ng		# 33
74) Fluoranthene	12.533	202	97665	3.38	ng		# 1
77) Pyrene	12.762	202	88270	3.15	ng		96
80) Benzo(a)anthracene	13.951	228	62387	2.84	ng		96
82) Chrysene	13.951	228	62387	2.91	ng		94
87) Benzo(b)fluoranthene	14.979	252	118292	5.19	ng	#	96
88) Benzo(k)fluoranthene	14.979	252	118292	5.16	ng	#	89

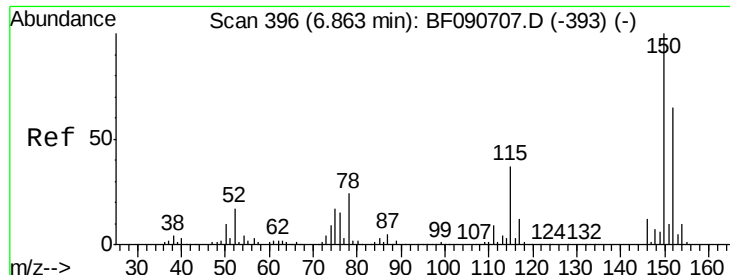
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.796 min Scan# 41

Delta R.T. -0.067 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

Instrument :

BNA_F

ClientSampleId :

P2-S3

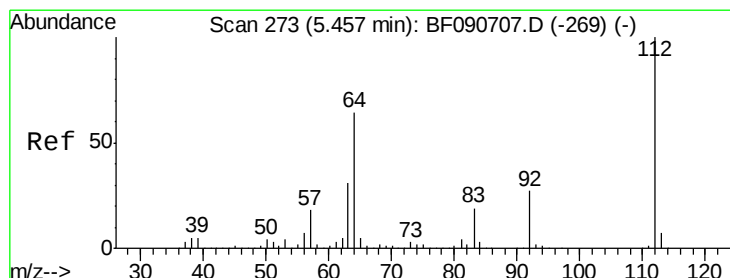
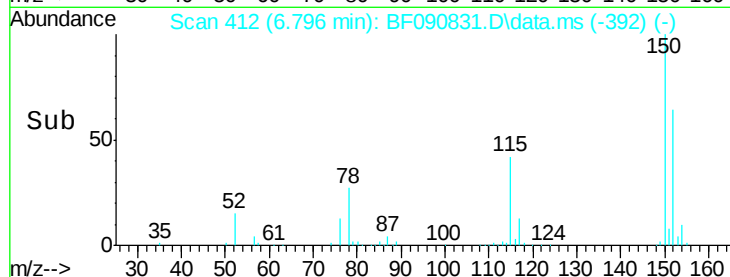
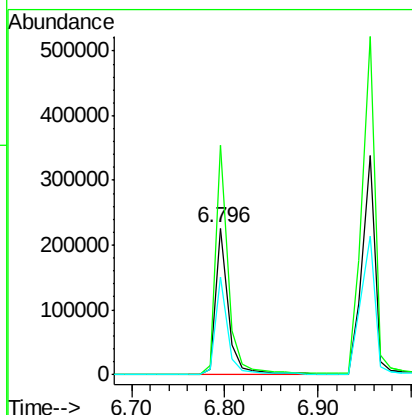
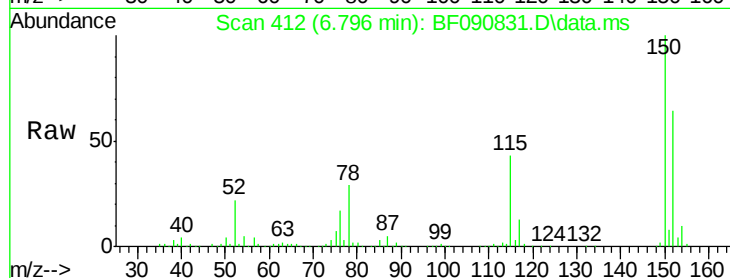
Tot Ion:152 Resp: 213388

Ion Ratio Lower Upper

152 100

150 156.5 124.7 187.1

115 66.5 39.0 58.4#



#5

2-Fluorophenol

Concen: 50.25 ng

RT: 5.390 min Scan# 289

Delta R.T. -0.067 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

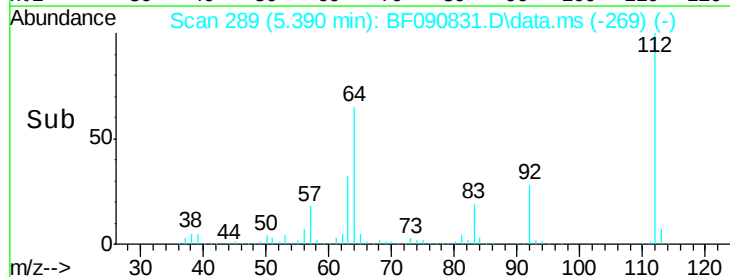
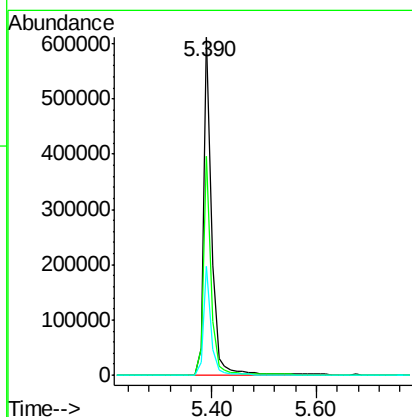
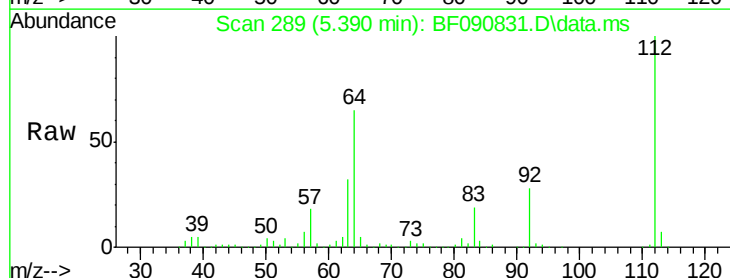
Tgt Ion:112 Resp: 664938

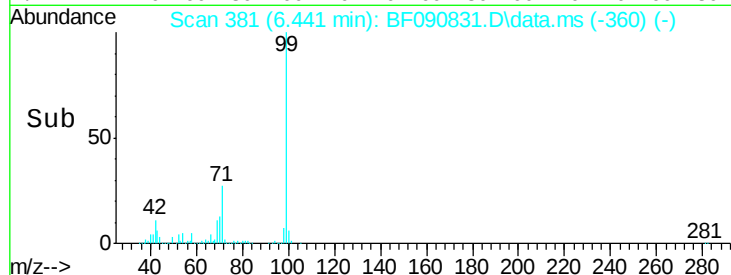
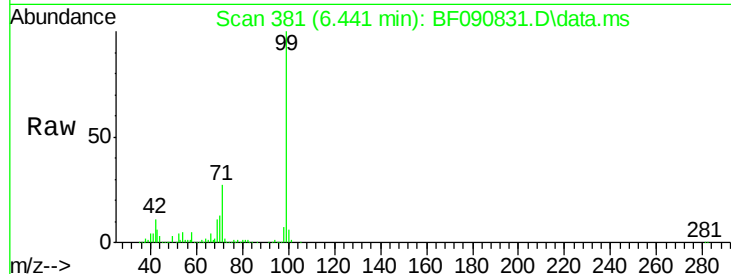
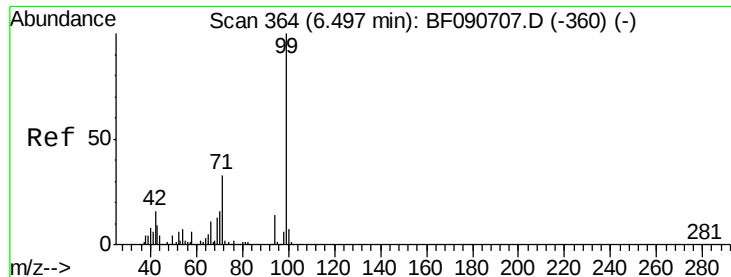
Ion Ratio Lower Upper

112 100

64 64.7 39.7 59.5#

63 32.1 17.4 26.0#





#7

Phenol-d6

Concen: 49.89 ng

RT: 6.441 min Scan# 381

Delta R.T. -0.056 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

Instrument :

BNA_F

ClientSampleId :

P2-S3

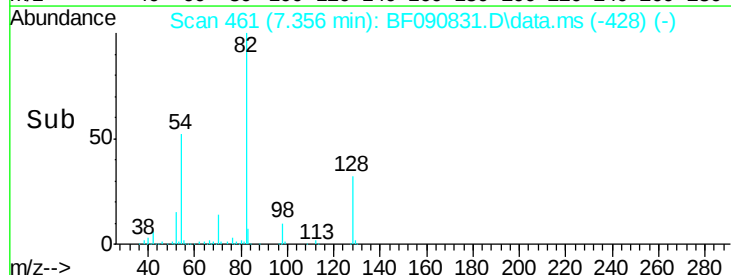
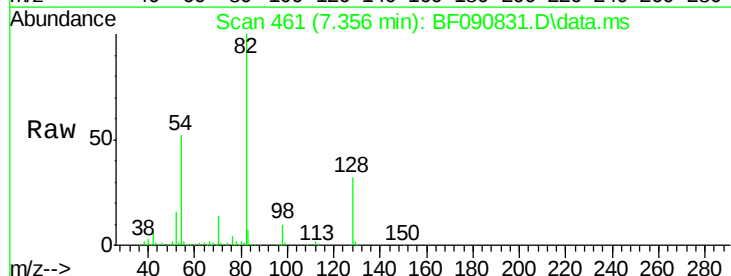
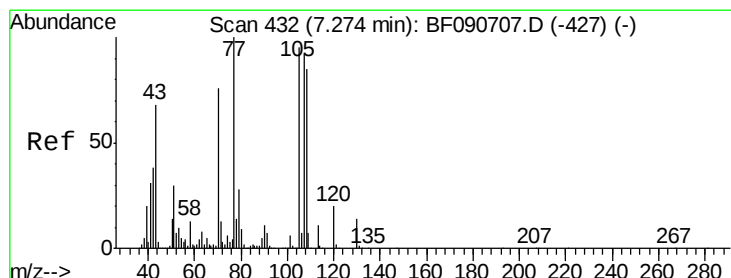
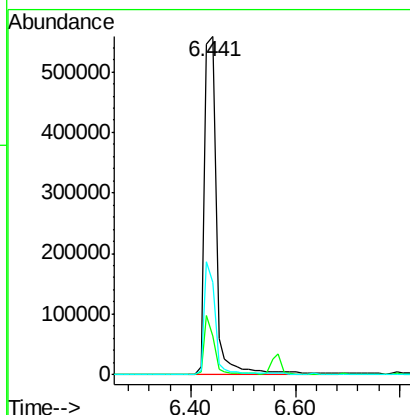
Tot Ion: 99 Resp: 894091

Ion Ratio Lower Upper

99 100

42 11.4 13.7 20.5#

71 27.2 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 5.14 ng

RT: 7.356 min Scan# 461

Delta R.T. 0.082 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

Tgt Ion: 70 Resp: 68640

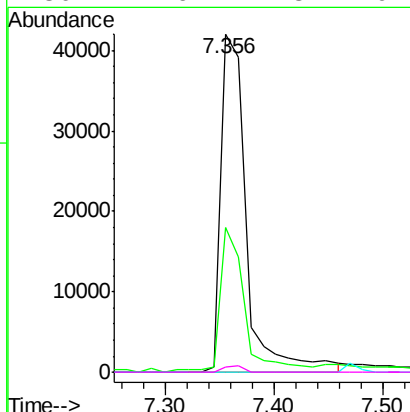
Ion Ratio Lower Upper

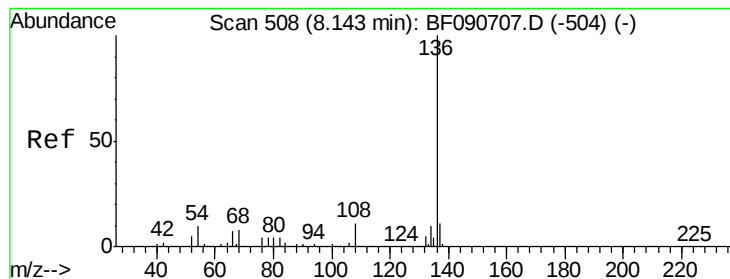
70 100

42 42.8 63.8 95.6#

101 0.0 9.2 13.8#

130 1.6 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.087 min Scan# 52

Delta R.T. -0.056 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

Instrument :

BNA_F

ClientSampleId :

P2-S3

Tot Ion:136 Resp: 893765

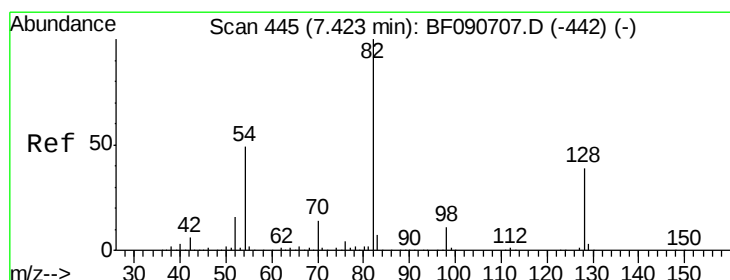
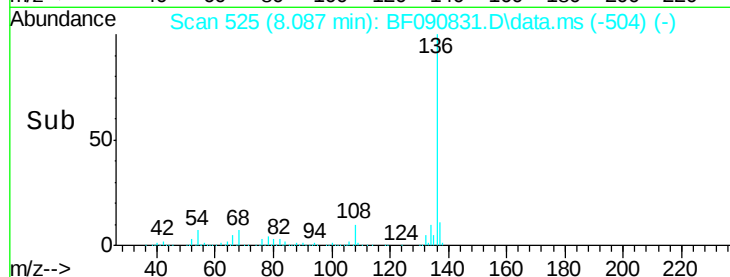
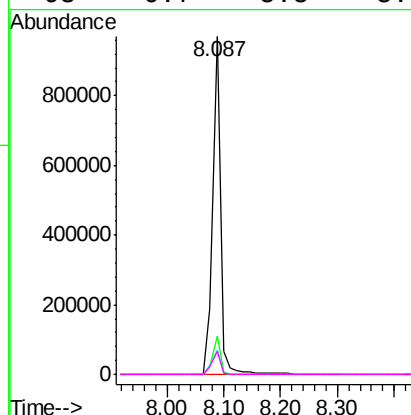
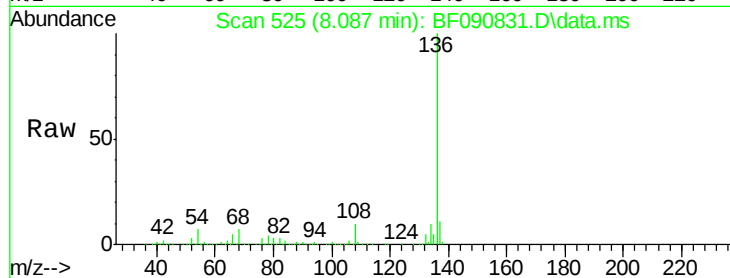
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 7.3 8.2 12.2#

68 6.7 5.8 8.6



#23

Nitrobenzene-d5

Concen: 32.43 ng

RT: 7.367 min Scan# 462

Delta R.T. -0.056 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

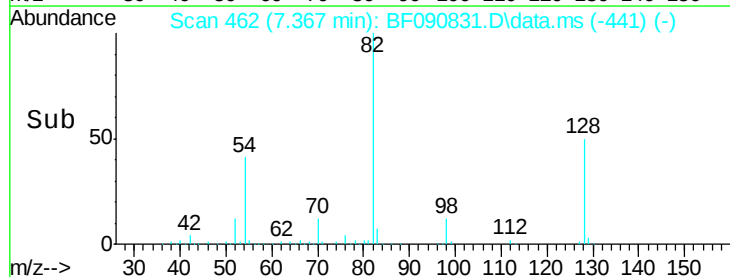
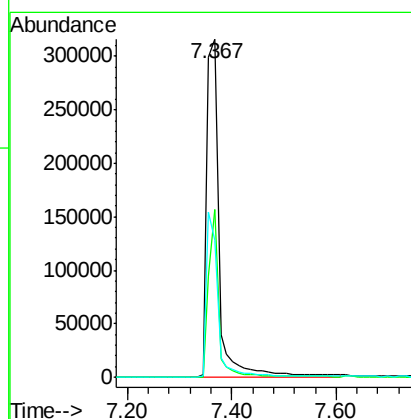
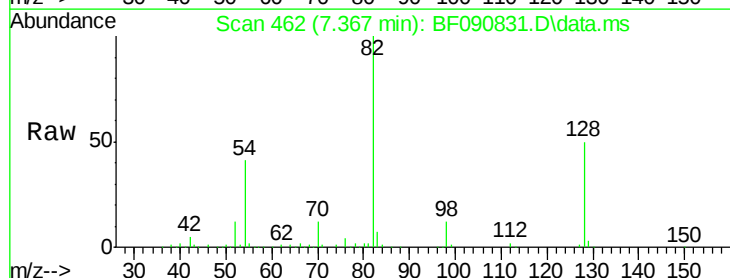
Tgt Ion: 82 Resp: 528545

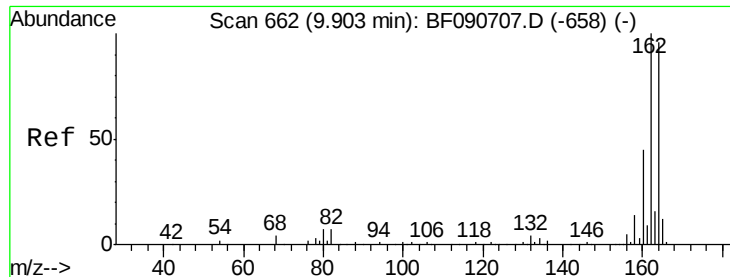
Ion Ratio Lower Upper

82 100

128 49.7 51.0 76.6#

54 40.5 47.5 71.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.836 min Scan# 67

Delta R.T. -0.067 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

Instrument :

BNA_F

ClientSampleId :

P2-S3

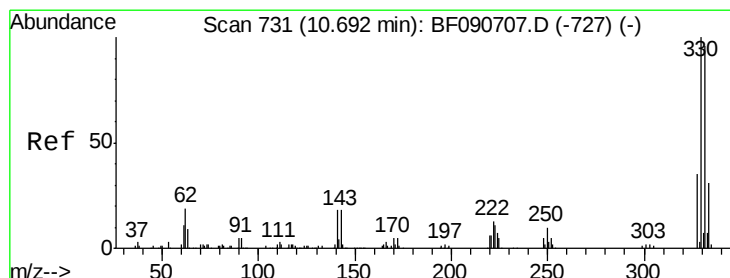
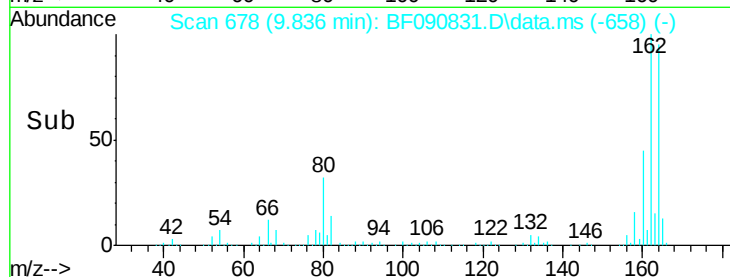
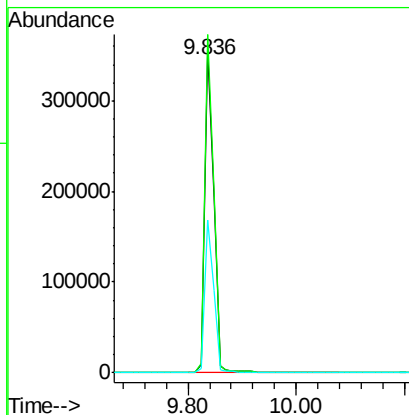
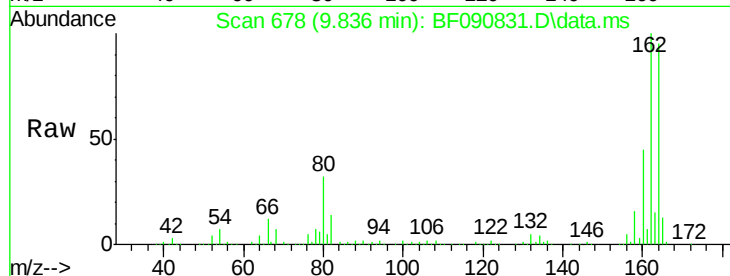
Tot Ion:164 Resp: 396077

Ion Ratio Lower Upper

164 100

162 105.2 75.2 112.8

160 47.4 31.5 47.3#



#41

2,4,6-Tribromophenol

Concen: 48.91 ng

RT: 10.625 min Scan# 747

Delta R.T. -0.066 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

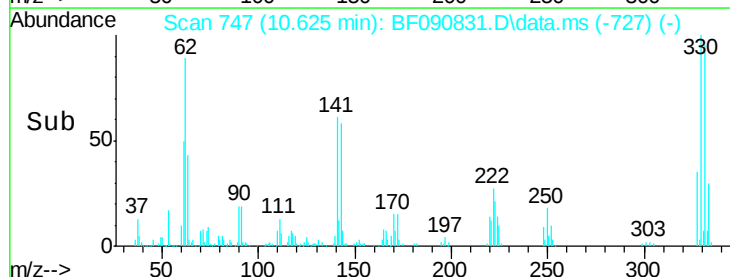
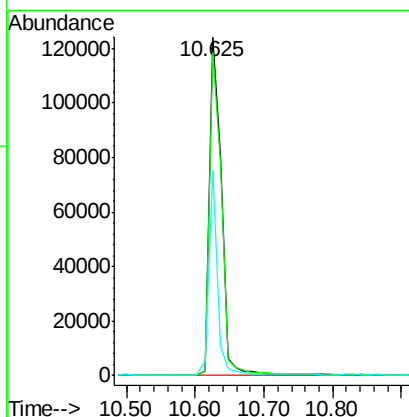
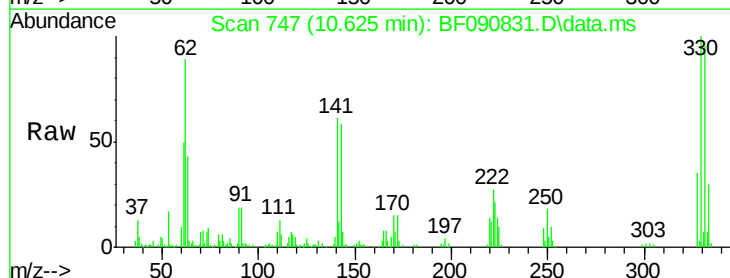
Tgt Ion:330 Resp: 153336

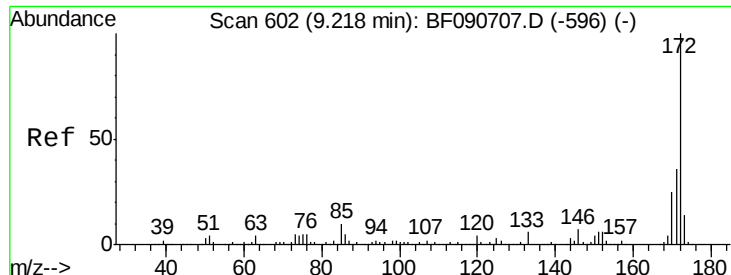
Ion Ratio Lower Upper

330 100

332 95.8 76.6 114.8

141 43.9 29.7 44.5

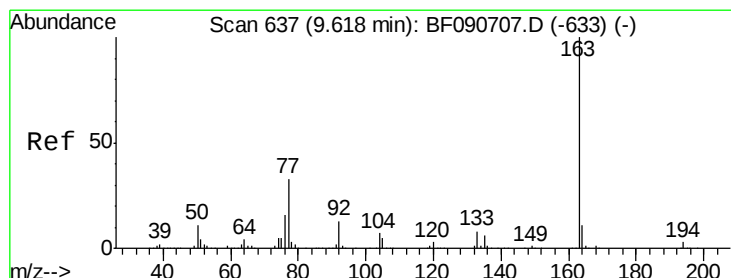
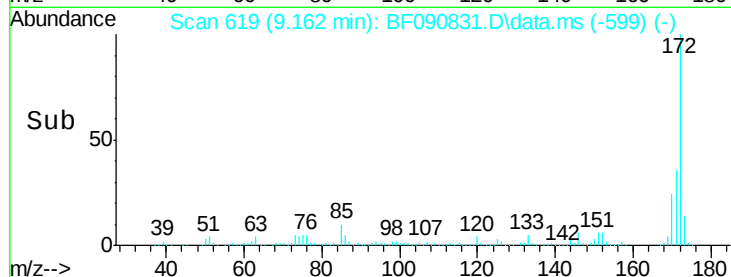
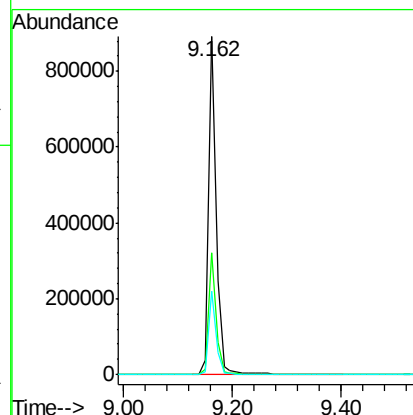
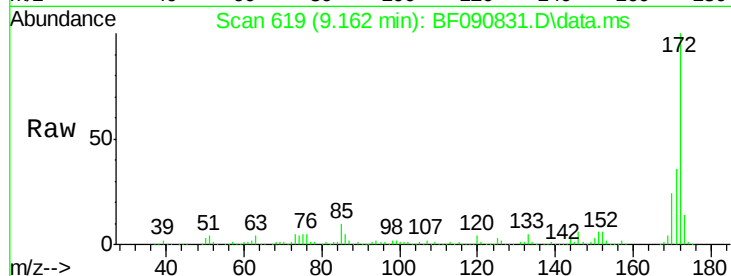




#44
2-Fluorobiphenyl
Concen: 33.53 ng
RT: 9.162 min Scan# 61
Delta R.T. -0.066 min
Lab File: BF090831.D
Acq: 26 Oct 2016 2:05

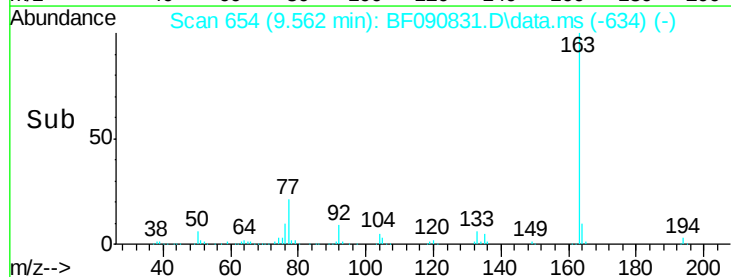
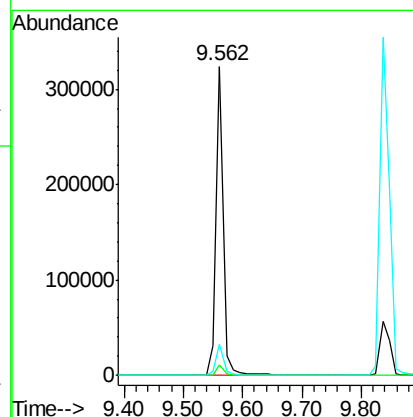
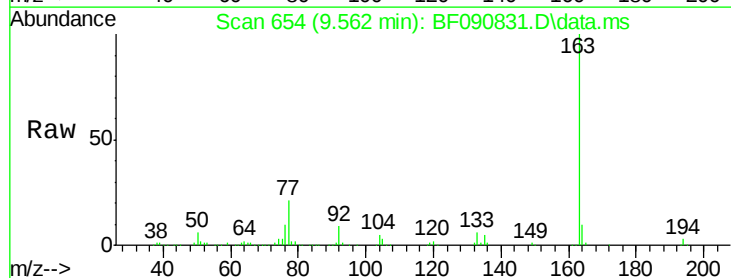
Instrument :
BNA_F
ClientSampleId :
P2-S3

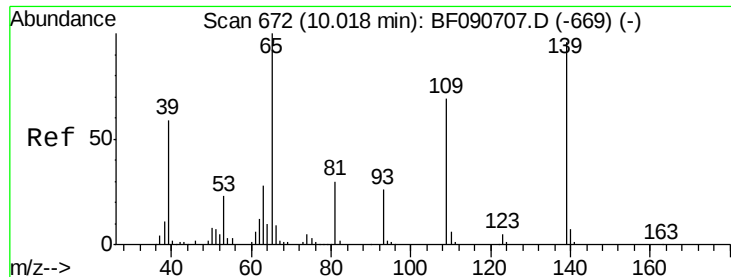
Tot Ion:172 Resp: 855461
Ion Ratio Lower Upper
172 100
171 35.8 26.1 39.1
170 24.5 17.4 26.2



#49
Dimethylphthalate
Concen: 10.82 ng
RT: 9.562 min Scan# 654
Delta R.T. -0.067 min
Lab File: BF090831.D
Acq: 26 Oct 2016 2:05

Tgt Ion:163 Resp: 269183
Ion Ratio Lower Upper
163 100
194 3.4 4.4 6.6#
164 9.8 8.3 12.5





#55

4-Nitrophenol

Concen: 6.10 ng

RT: 10.042 min Scan# 69

Delta R.T. 0.025 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

Instrument :

BNA_F

ClientSampleId :

P2-S3

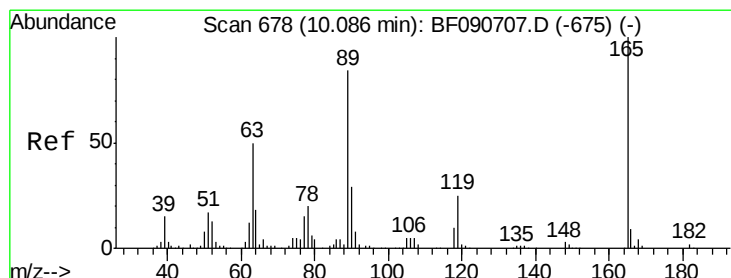
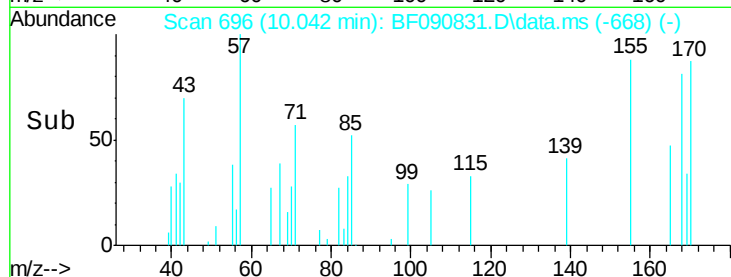
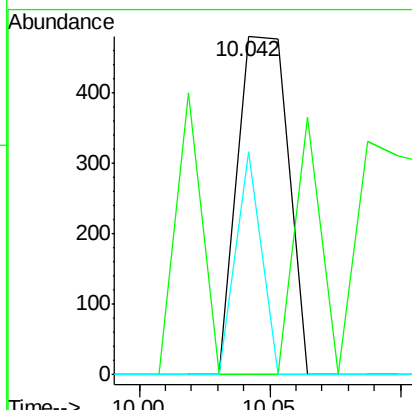
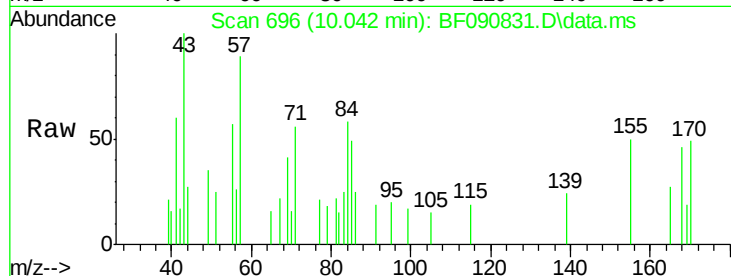
Tot Ion:139 Resp: 656

Ion Ratio Lower Upper

139 100

109 0.0 12.7 52.7#

65 66.0 45.9 85.9



#56

2,4-Dinitrotoluene

Concen: 8.02 ng

RT: 9.836 min Scan# 678

Delta R.T. -0.250 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

Tgt Ion:165 Resp: 52462

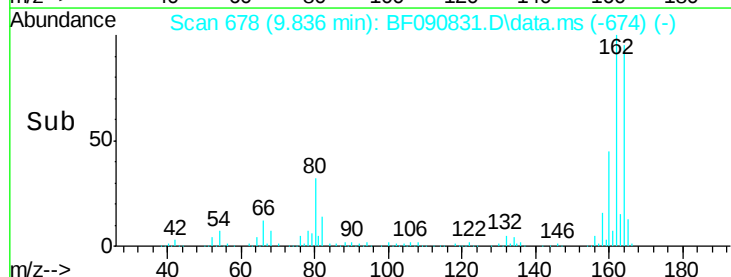
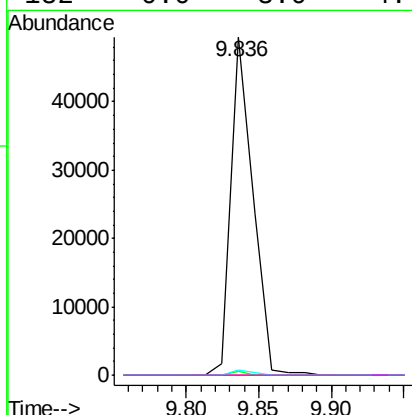
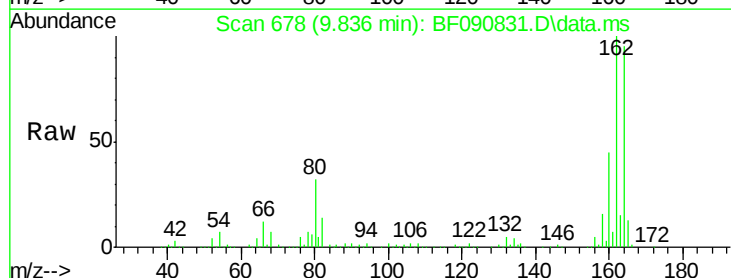
Ion Ratio Lower Upper

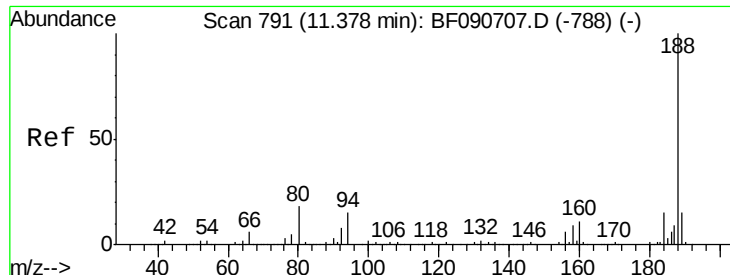
165 100

63 1.3 29.8 44.6#

89 1.4 44.5 66.7#

182 0.0 3.0 4.4#

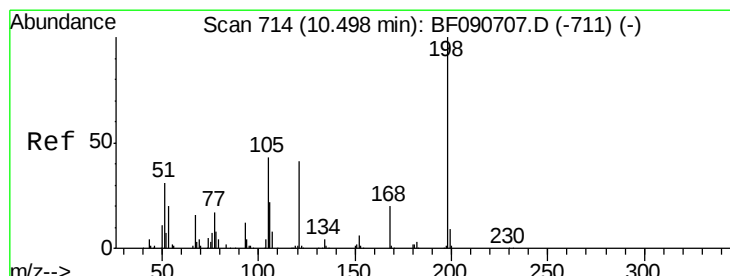
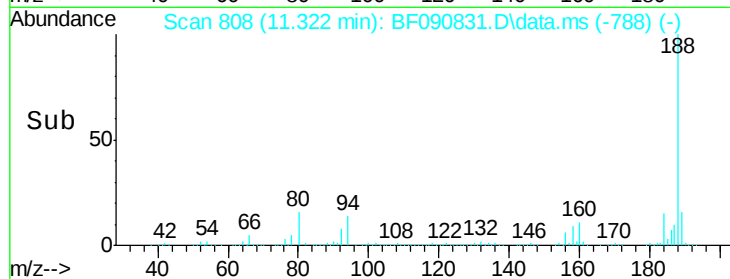
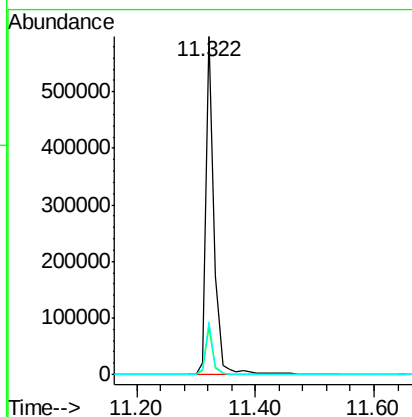
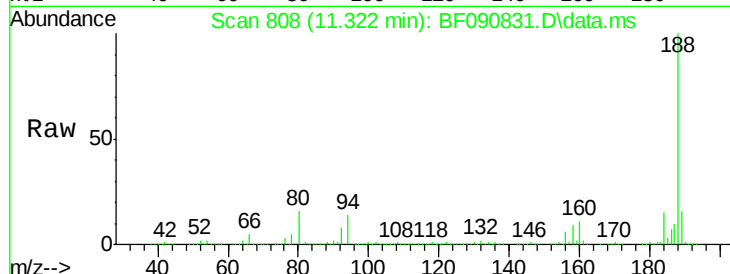




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.322 min Scan# 80
Delta R.T. -0.067 min
Lab File: BF090831.D
Acq: 26 Oct 2016 2:05

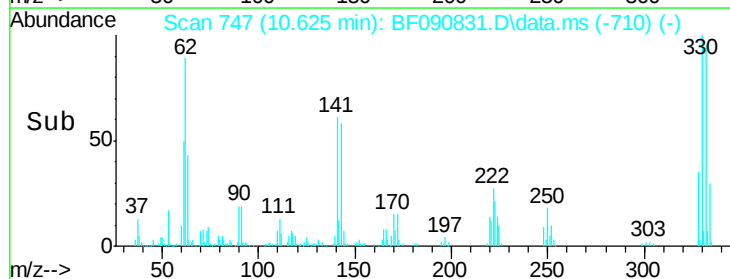
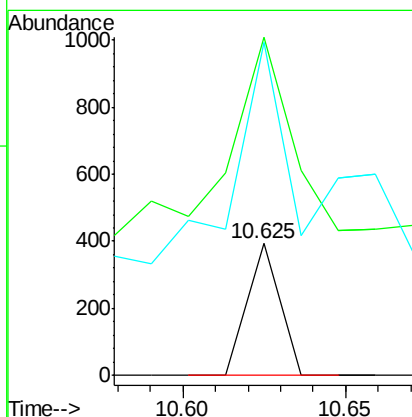
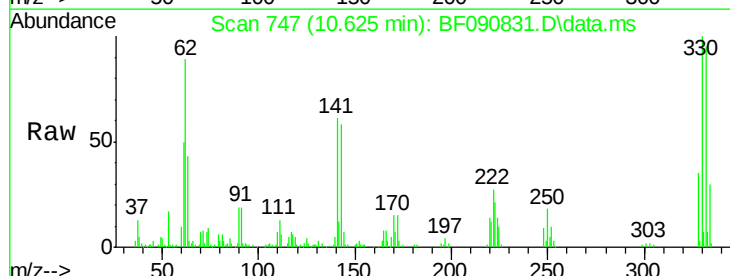
Instrument :
BNA_F
ClientSampled :
P2-S3

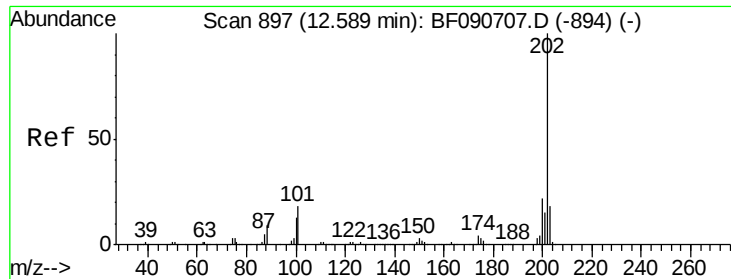
Tot Ion	Ratio	Lower	Upper
188	100		
94	13.9	11.1	16.7
80	15.7	11.0	16.4



#64
4,6-Dinitro-2-methylphenol
Concen: 4.24 ng
RT: 10.625 min Scan# 747
Delta R.T. 0.128 min
Lab File: BF090831.D
Acq: 26 Oct 2016 2:05

Tgt Ion	Ratio	Lower	Upper
198	100		
51	256.7	39.6	79.6#
105	252.9	28.5	68.5#





#74

Fluoranthene

Concen: 3.38 ng

RT: 12.533 min Scan# 91

Delta R.T. -0.056 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

Instrument :

BNA_F

ClientSampleId :

P2-S3

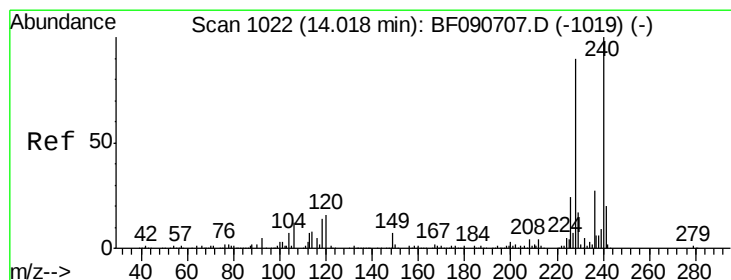
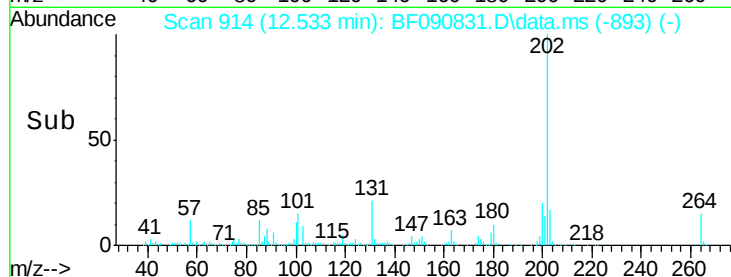
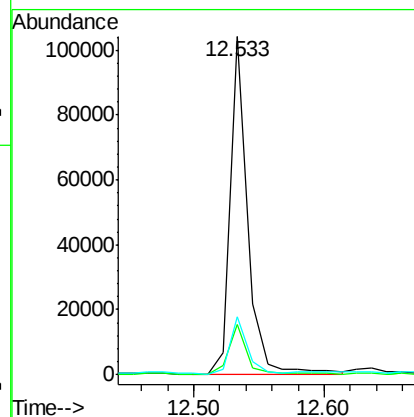
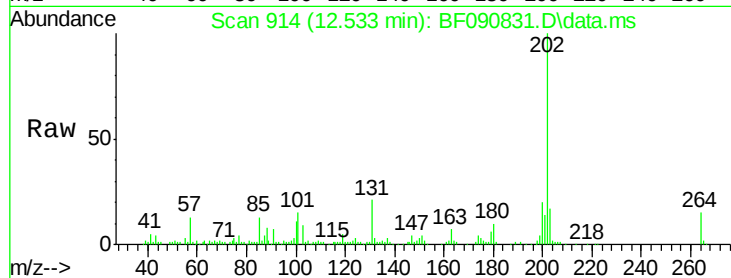
Tot Ion:202 Resp: 97665

Ion Ratio Lower Upper

202 100

101 14.9 0.0 38.3

203 16.9 0.0 37.3



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.962 min Scan# 1039

Delta R.T. -0.056 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

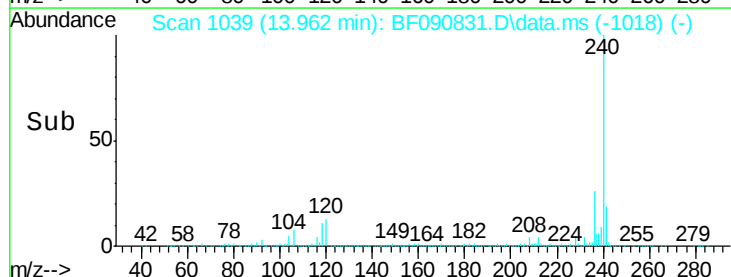
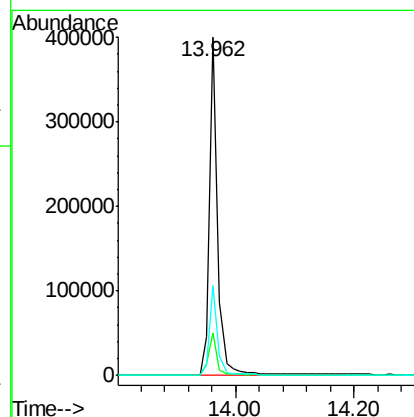
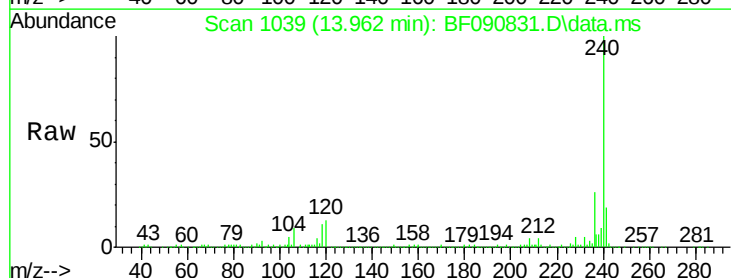
Tgt Ion:240 Resp: 401517

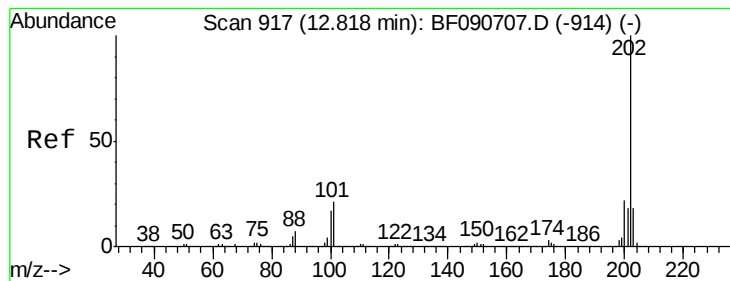
Ion Ratio Lower Upper

240 100

120 12.7 16.2 24.2#

236 26.5 18.4 27.6





#77

Pvrene

Concen: 3.15 ng

RT: 12.762 min Scan# 93

Delta R.T. -0.067 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

Instrument :

BNA_F

ClientSampleId :

P2-S3

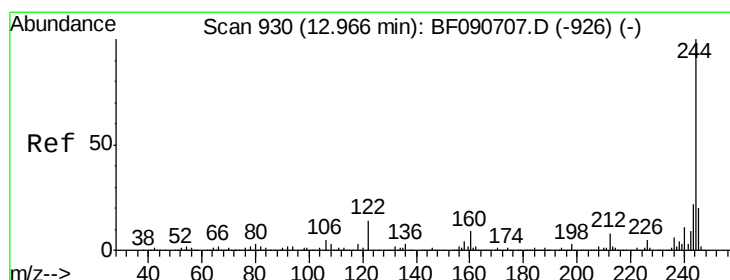
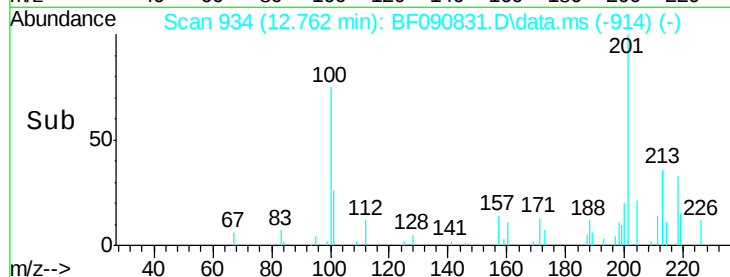
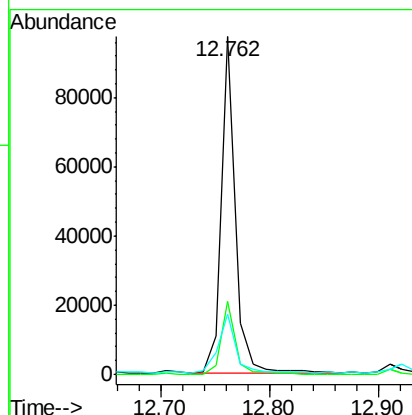
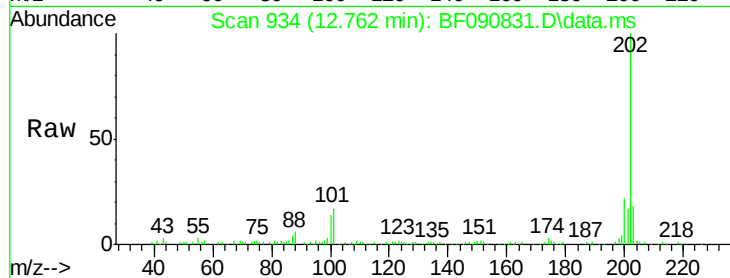
Tot Ion:202 Resp: 88270

Ion Ratio Lower Upper

202 100

200 21.7 15.0 22.4

203 17.9 14.1 21.1



#78

Terphenyl-d14

Concen: 34.42 ng

RT: 12.911 min Scan# 947

Delta R.T. -0.055 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

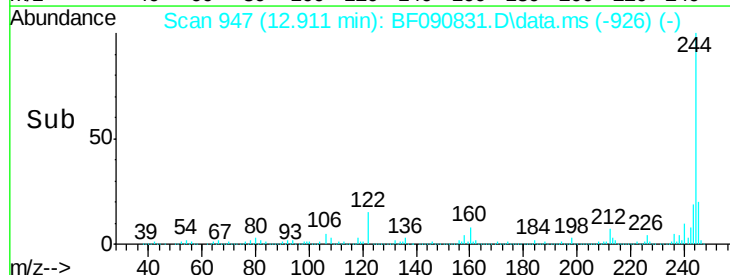
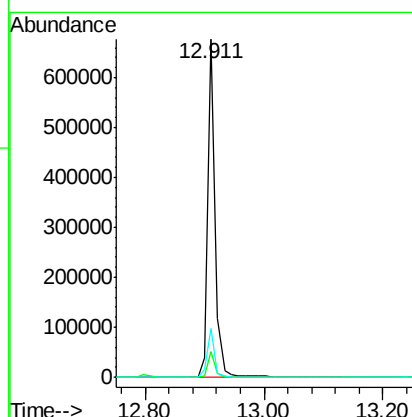
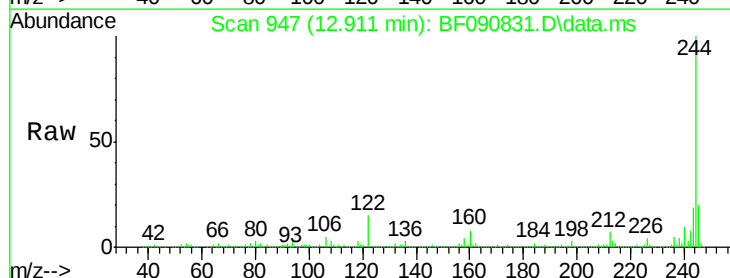
Tgt Ion:244 Resp: 602947

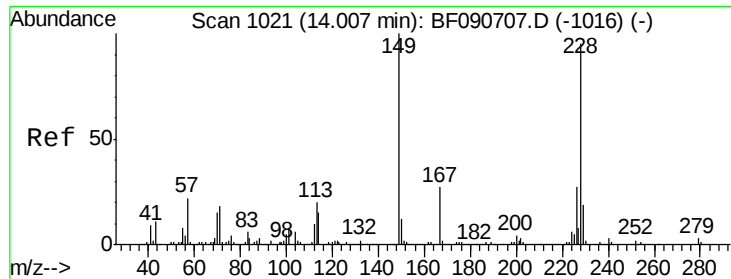
Ion Ratio Lower Upper

244 100

212 7.5 4.3 6.5#

122 14.5 17.4 26.2#





#80

Benzo(a)anthracene

Concen: 2.84 ng

RT: 13.951 min Scan# 10

Delta R.T. -0.056 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

Instrument :

BNA_F

ClientSampleId :

P2-S3

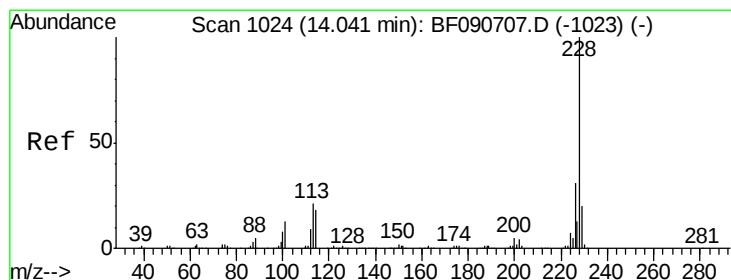
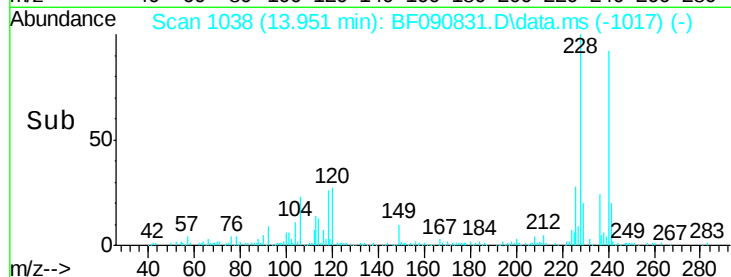
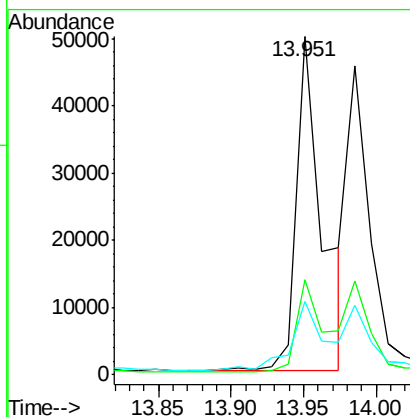
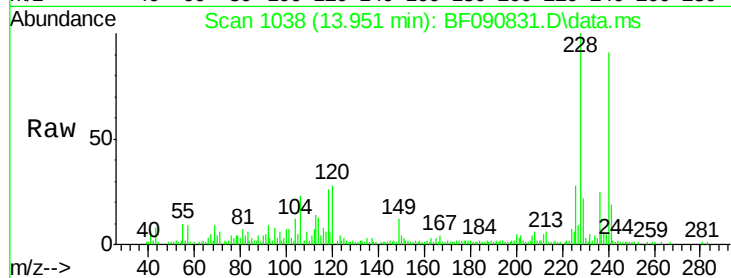
Tot Ion:228 Resp: 62387

Ion Ratio Lower Upper

228 100

226 28.0 20.0 30.0

229 21.7 15.4 23.2



#82

Chrysene

Concen: 2.91 ng

RT: 13.951 min Scan# 1038

Delta R.T. -0.101 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

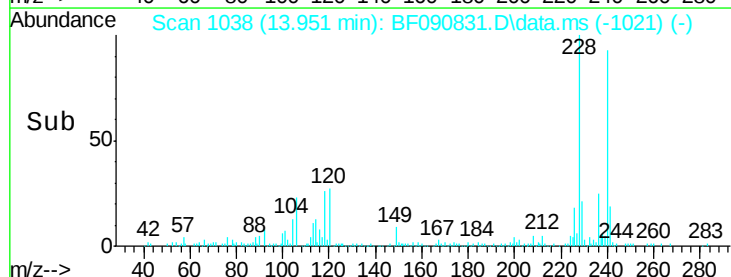
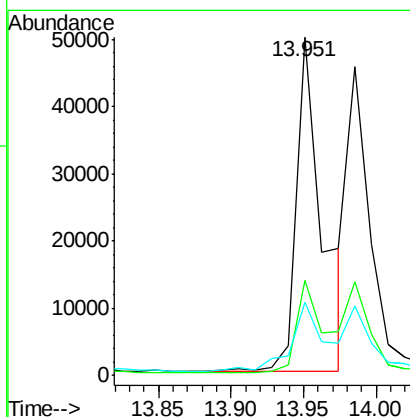
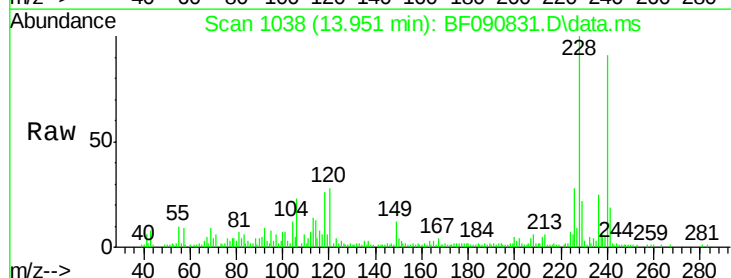
Tgt Ion:228 Resp: 62387

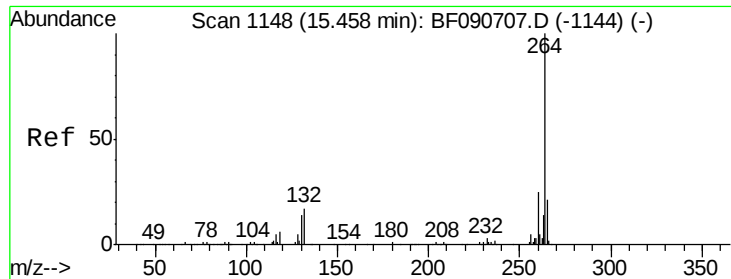
Ion Ratio Lower Upper

228 100

226 28.0 21.0 31.4

229 21.7 15.6 23.4

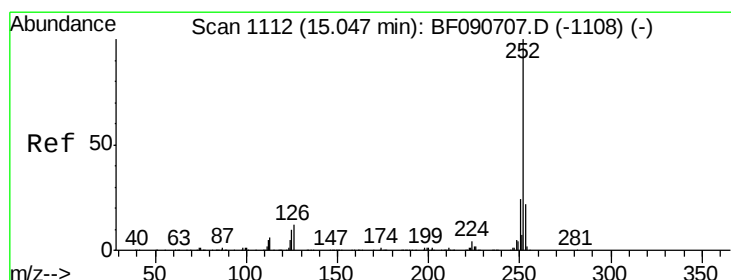
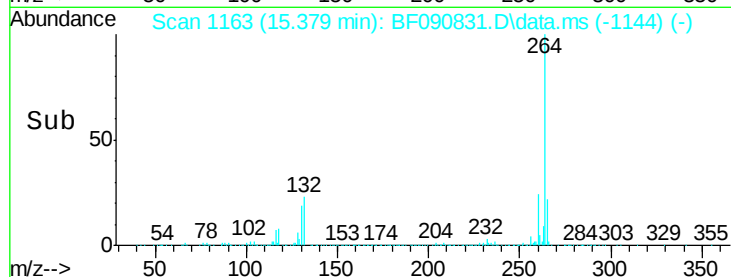
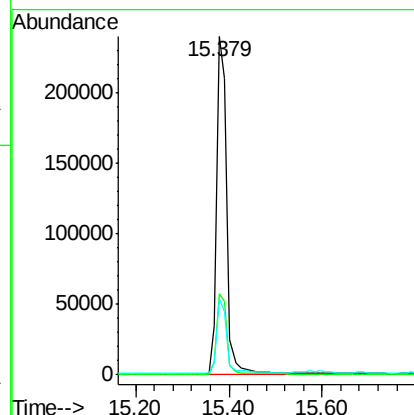
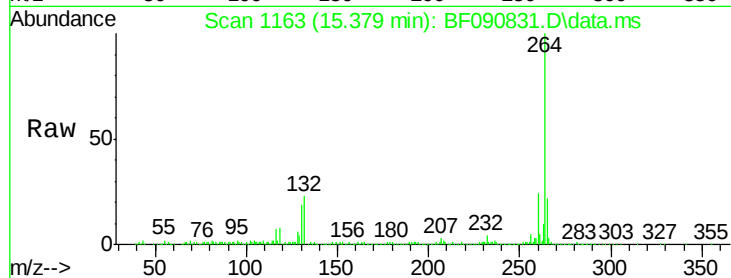




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.379 min Scan# 111
Delta R.T. -0.079 min
Lab File: BF090831.D
Acq: 26 Oct 2016 2:05

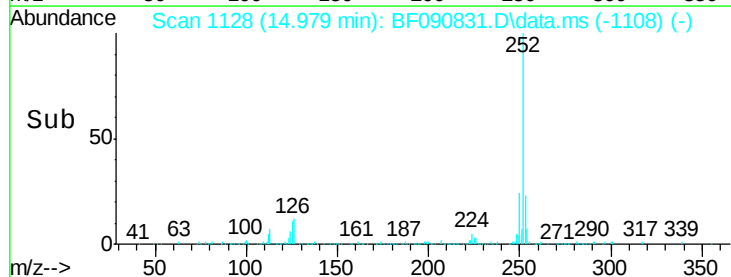
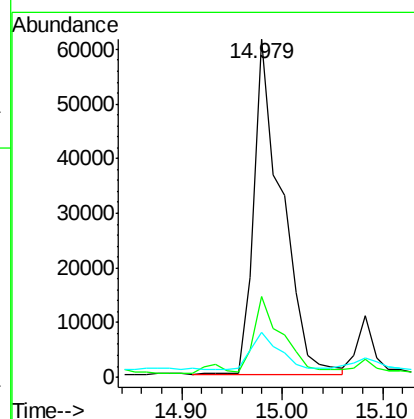
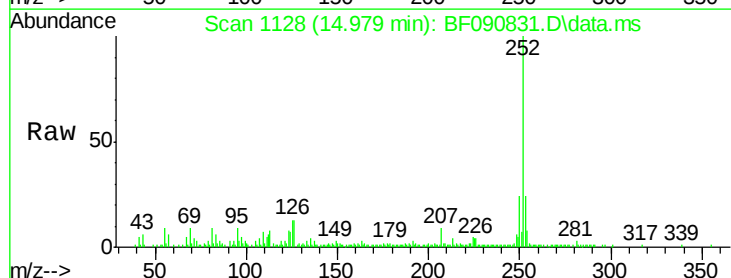
Instrument :
BNA_F
ClientSampleId :
P2-S3

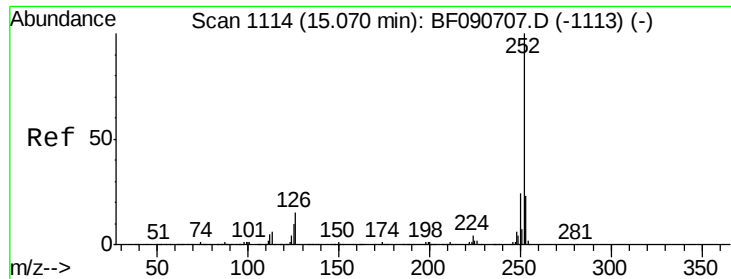
Tot Ion:264 Resp: 370719
Ion Ratio Lower Upper
264 100
260 23.9 16.7 25.1
265 22.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.19 ng
RT: 14.979 min Scan# 1128
Delta R.T. -0.067 min
Lab File: BF090831.D
Acq: 26 Oct 2016 2:05

Tgt Ion:252 Resp: 118292
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 13.1 17.1 25.7#





#88

Benzo(k)fluoranthene

Concen: 5.16 ng

RT: 14.979 min Scan# 111

Delta R.T. -0.090 min

Lab File: BF090831.D

Acq: 26 Oct 2016 2:05

Instrument :

BNA_F

ClientSampleId :

P2-S3

Tot Ion:252 Resp: 118292

Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.4

125 13.1 16.0 24.0#

