

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088401.D
 Acq On : 26 Jun 2016 5:05
 Operator : UM/SJ
 Sample : H3598-13DL 5X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1388(0-4)DL

Quant Time: Jun 26 06:31:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

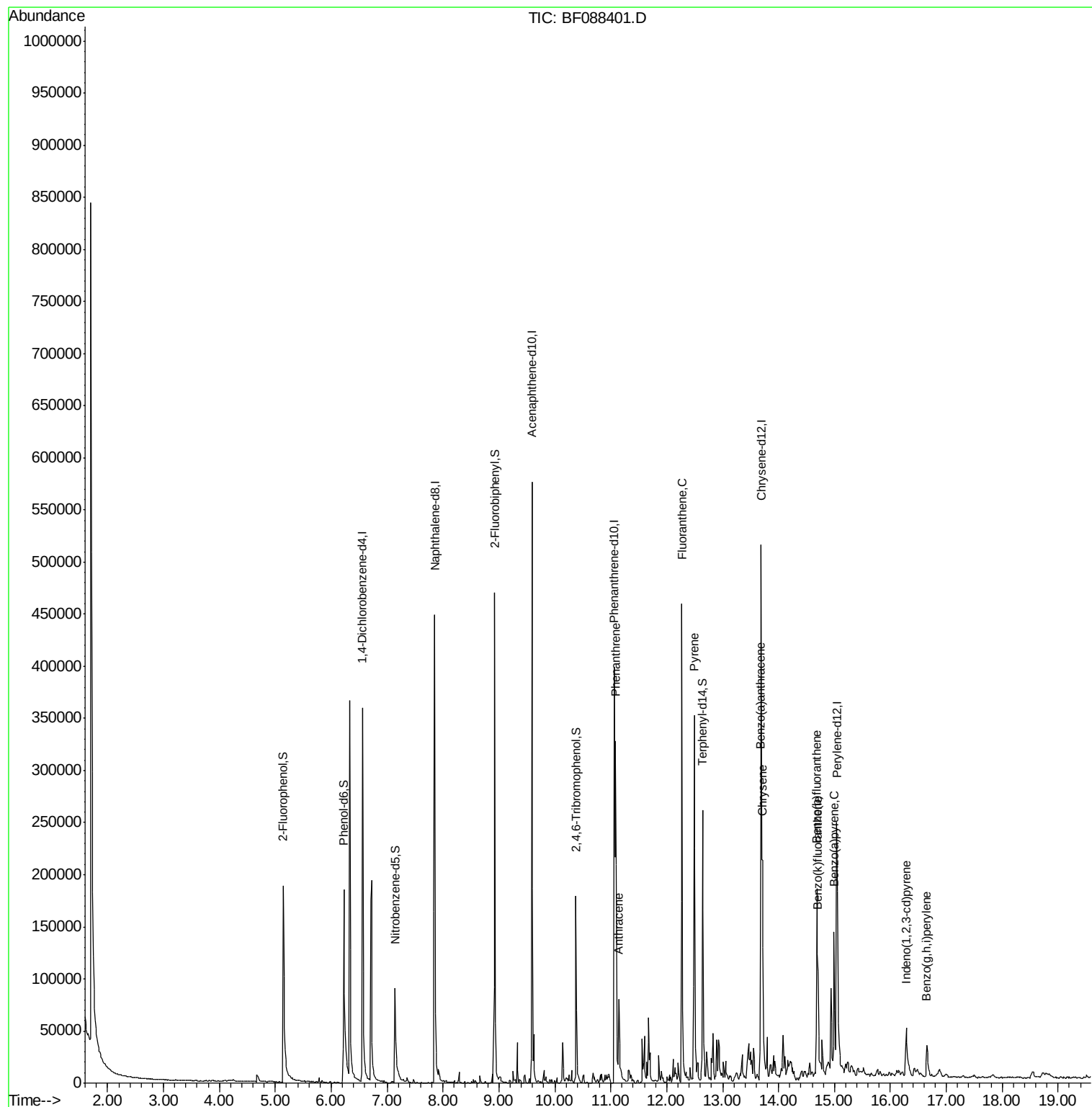
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	74758m	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	292163	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	126638	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	197186	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	162396	20.00	ng	-0.06
86) Perylene-d12	15.04	264	127680	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	117133	26.79	ng	-0.03
7) Phenol-d6	6.23	99	142333	26.86	ng	-0.03
23) Nitrobenzene-d5	7.14	82	85966	17.18	ng	-0.03
41) 2,4,6-Tribromophenol	10.38	330	25745	19.25	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	181965	18.22	ng	-0.05
78) Terphenyl-d14	12.64	244	114639	16.06	ng	-0.06
Target Compounds						Qvalue
70) Phenanthrene	11.08	178	167896	16.23	ng	98
71) Anthracene	11.14	178	49296	4.72	ng	96
74) Fluoranthene	12.27	202	228629	20.94	ng	96
77) Pyrene	12.49	202	186965	15.51	ng	97
80) Benzo(a)anthracene	13.68	228	108379	11.71	ng	97
82) Chrysene	13.71	228	83356	9.57	ng	97
85) Indeno(1,2,3-cd)pyrene	16.29	276	31135	3.85	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	86141m	9.68	ng	
88) Benzo(k)fluoranthene	14.70	252	44819m	6.68	ng	
89) Benzo(a)pyrene	14.99	252	65442	9.09	ng	98
91) Benzo(g,h,i)perylene	16.65	276	28906	4.20	ng	95

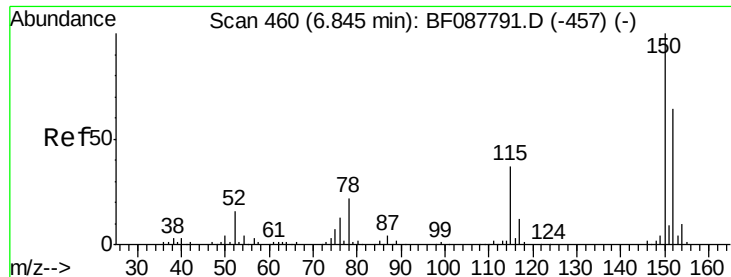
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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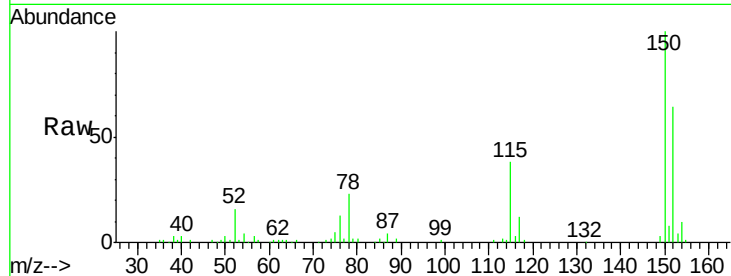


#1

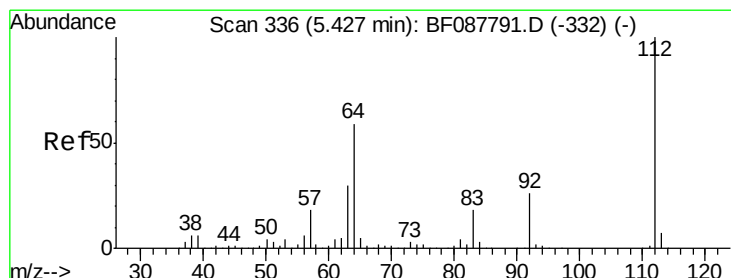
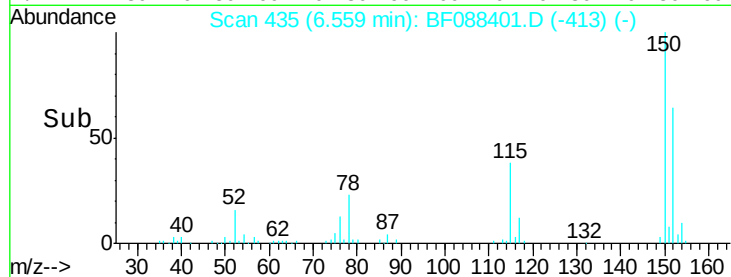
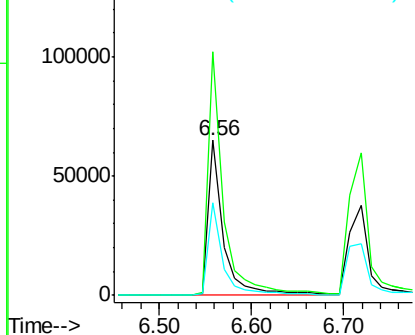
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/mL
RT: 6.56 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF088401.D
Acq: 26 Jun 2016 5:05

Instrument :
BNA_F
ClientSampleId :
PM-STA-1388(0-4)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	123.8	185.6
115	59.9	39.6	59.4



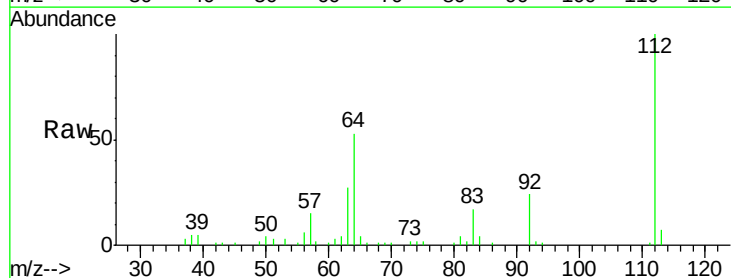
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



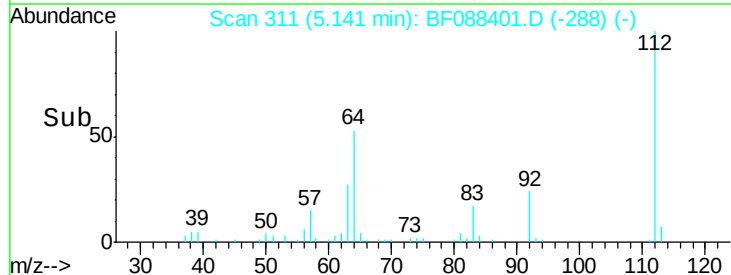
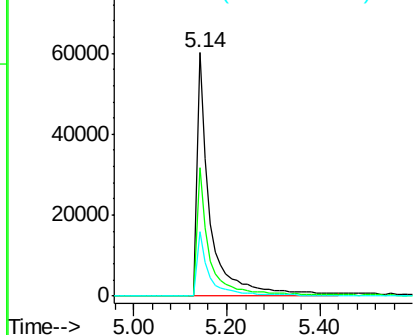
#5

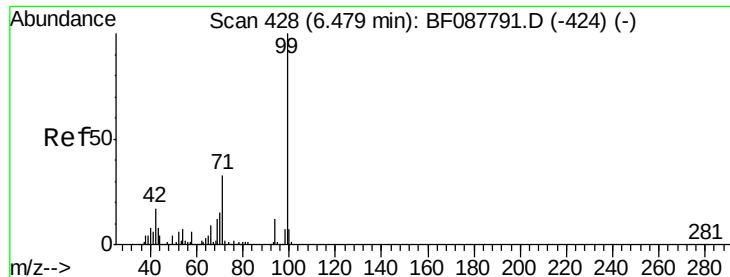
2-Fluorophenol
Concen: 26.79 ng
RT: 5.14 min Scan# 311
Delta R.T. -0.03 min
Lab File: BF088401.D
Acq: 26 Jun 2016 5:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	42.2	63.2
63	26.6	21.8	32.8



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: 26.86 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088401.D

Acq: 26 Jun 2016 5:05

Instrument :

BNA_F

ClientSampleId :

PM-STA-1388(0-4)DL

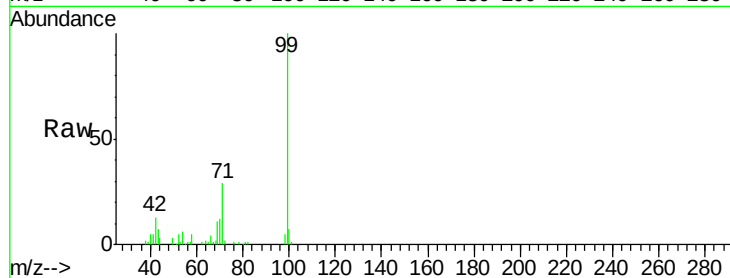
Tot Ion: 99 Resp: 142333

Ion Ratio Lower Upper

99 100

42 13.3 12.2 18.2

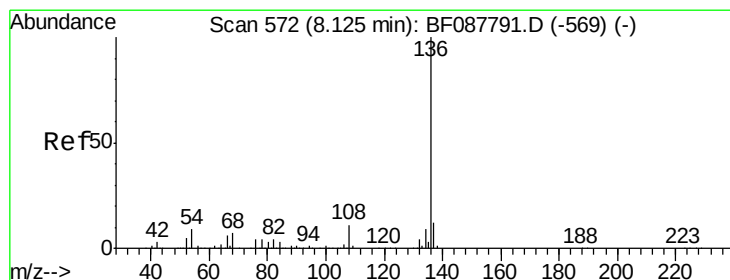
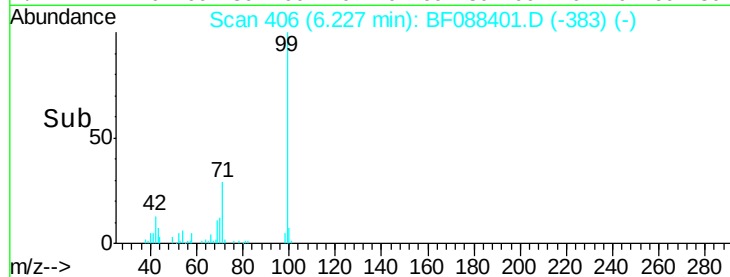
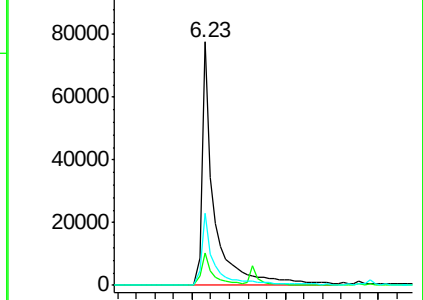
71 29.5 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF088401.D

Acq: 26 Jun 2016 5:05

Tgt Ion: 136 Resp: 292163

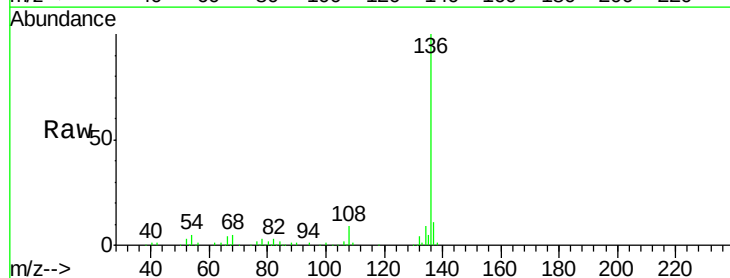
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.0 6.6 10.0#

68 4.6 5.1 7.7#

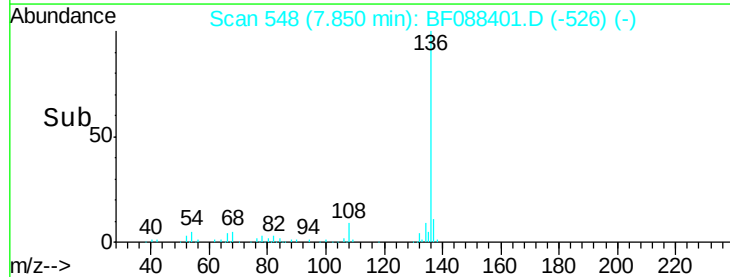
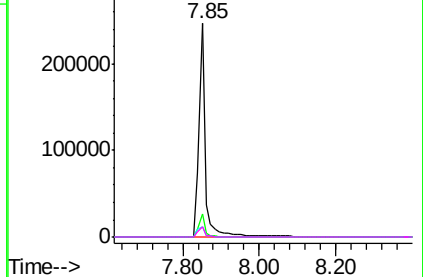


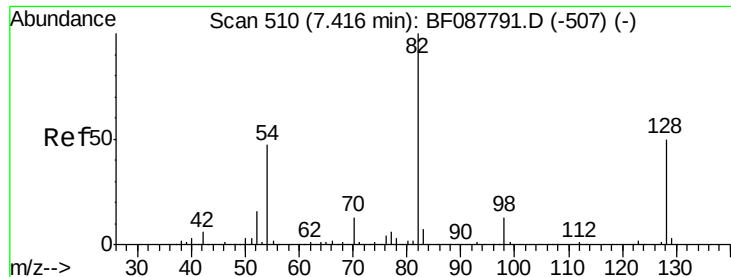
Abundance Ion 136.00 (135.70 to 136.70): E

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

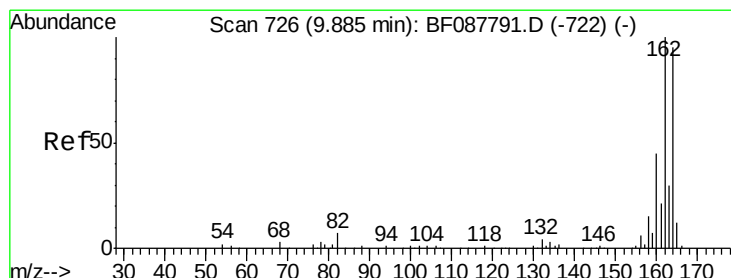
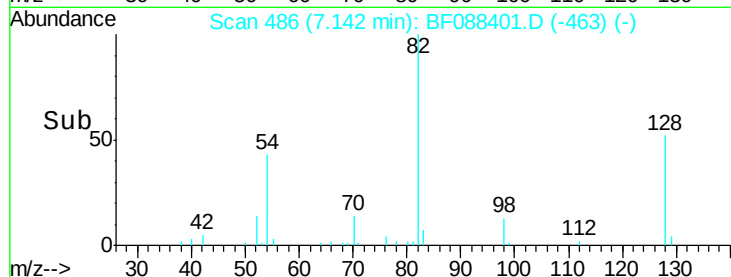
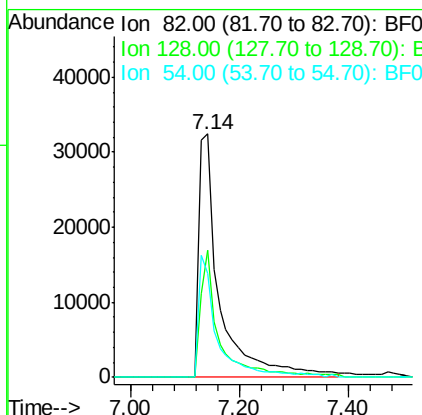
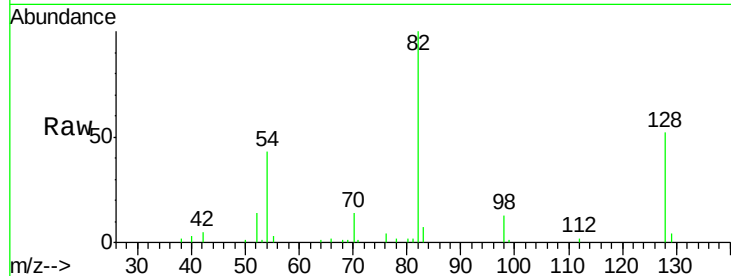




#23
 Nitrobenzene-d5
 Concen: 17.18 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF088401.D
 Acq: 26 Jun 2016 5:05

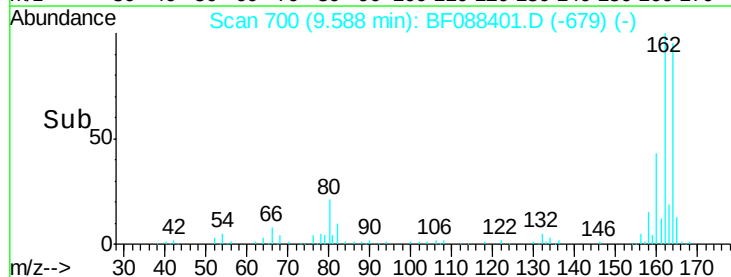
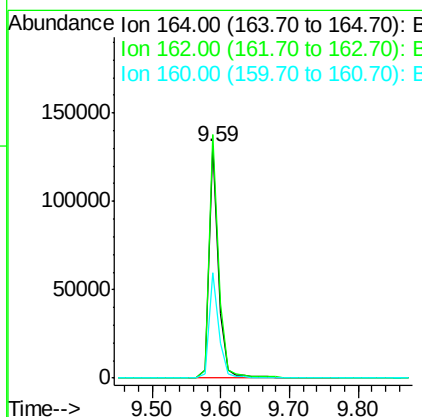
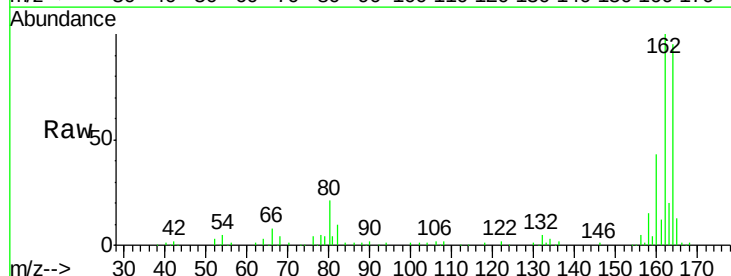
Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1388(0-4)DL

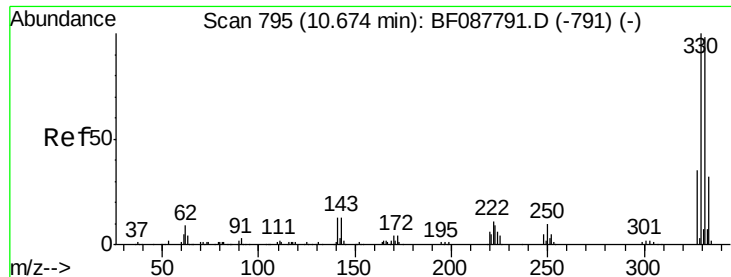
Tot Ion: 82 Resp: 85966
 Ion Ratio Lower Upper
 82 100
 128 52.2 35.9 53.9
 54 42.8 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.06 min
 Lab File: BF088401.D
 Acq: 26 Jun 2016 5:05

Tgt Ion:164 Resp: 126638
 Ion Ratio Lower Upper
 164 100
 162 105.1 85.4 128.2
 160 45.6 39.5 59.3

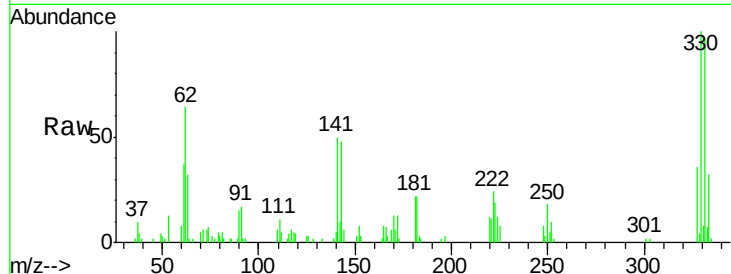




#41
 2,4,6-Tribromophenol
 Concen: 19.25 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.06 min
 Lab File: BF088401.D
 Acq: 26 Jun 2016 5:05

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1388(0-4)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	0.0	0.0#
141	38.9	0.0	0.0#

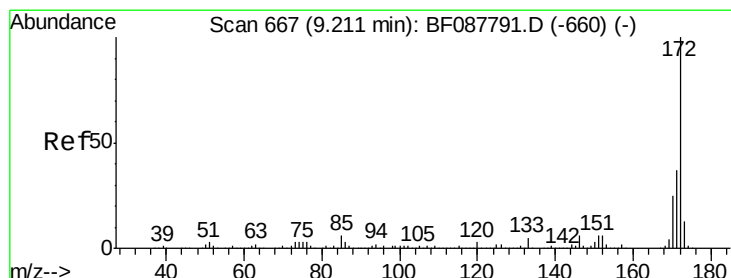
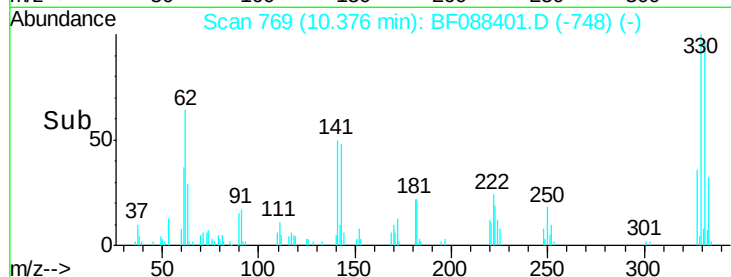
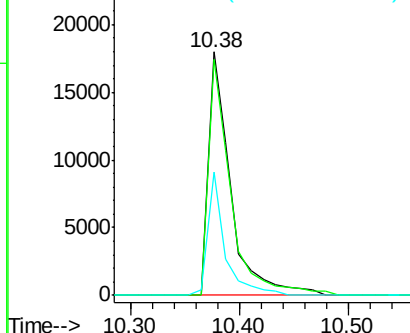


Abundance

Ion 329.80 (329.50 to 330.50): E

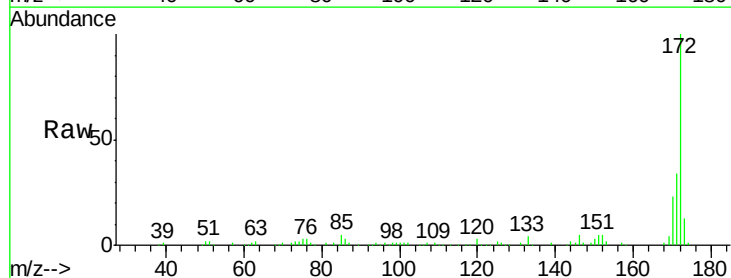
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 18.22 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088401.D
 Acq: 26 Jun 2016 5:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.6	43.0
170	22.6	19.2	28.8

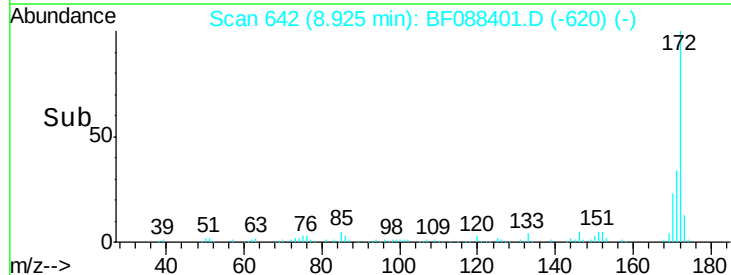
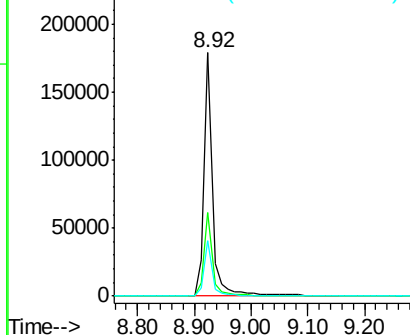


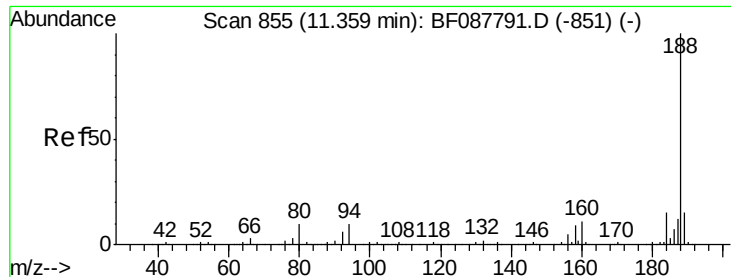
Abundance

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

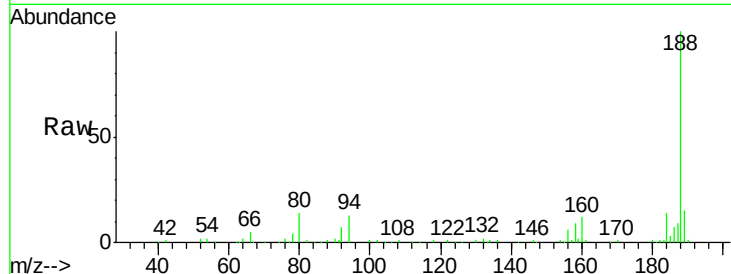




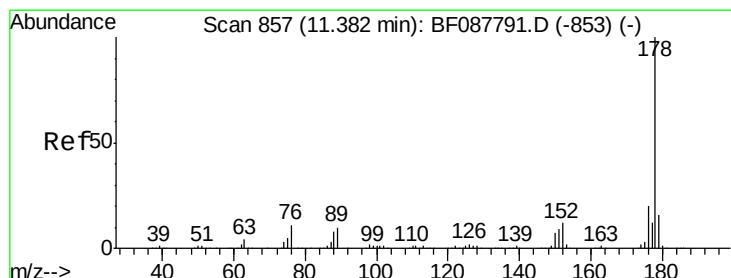
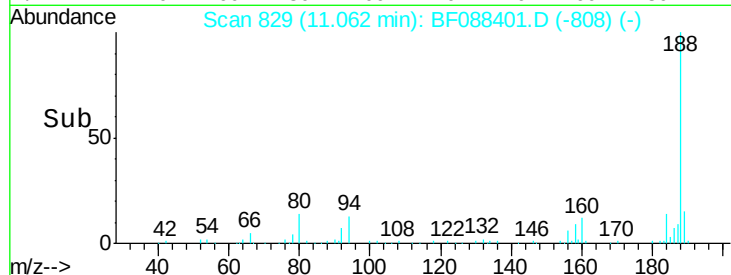
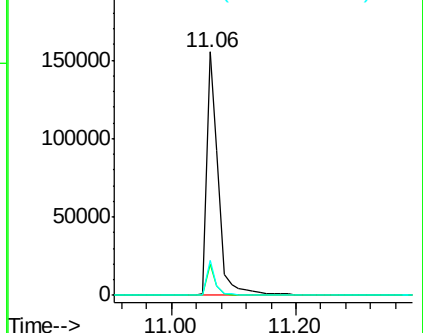
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088401.D
Acq: 26 Jun 2016 5:05

Instrument :
BNA_F
ClientSampleId :
PM-STA-1388(0-4)DL

Tot Ion:188 Resp: 197186
Ion Ratio Lower Upper
188 100
94 12.9 9.0 13.6
80 14.1 10.0 15.0

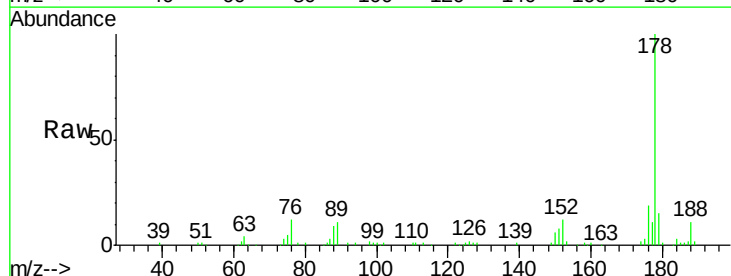


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

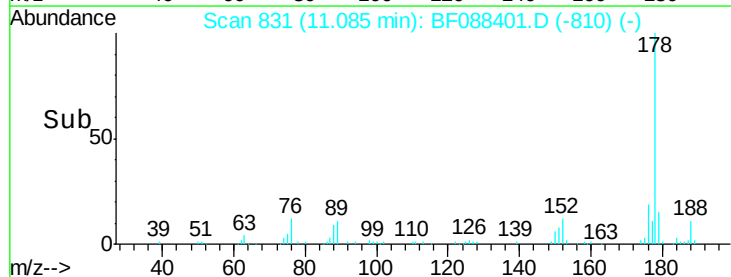
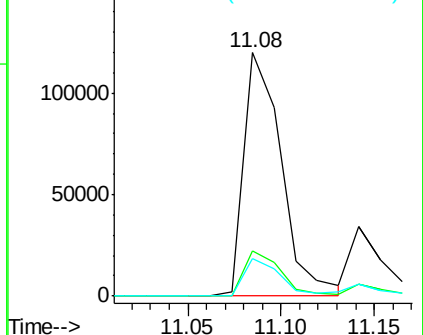


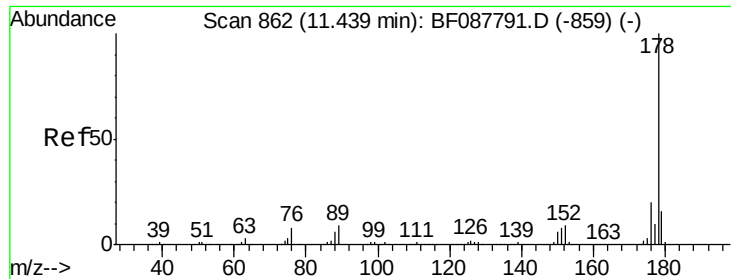
#70
Phenanthrene
Concen: 16.23 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.06 min
Lab File: BF088401.D
Acq: 26 Jun 2016 5:05

Tgt Ion:178 Resp: 167896
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.5 13.0 19.4



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

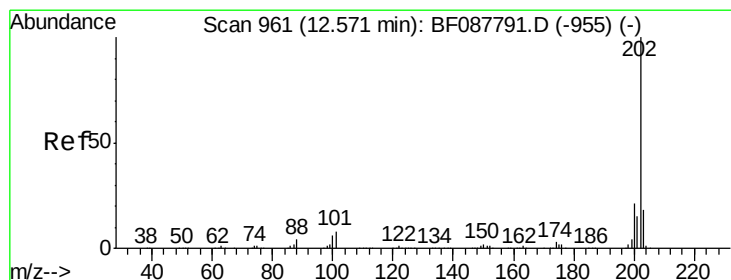
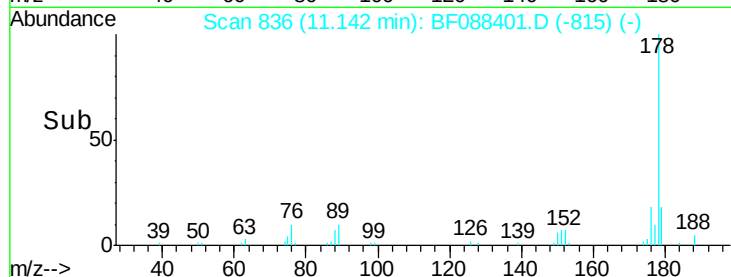
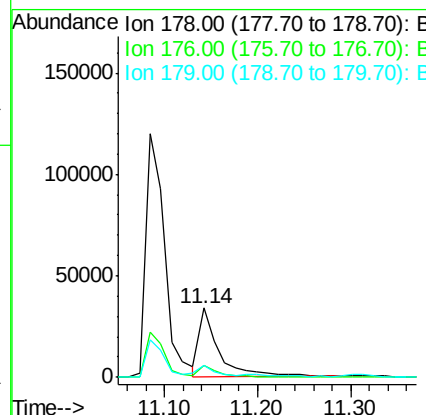
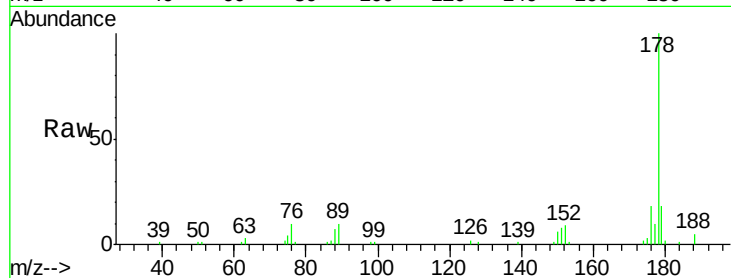




#71
 Anthracene
 Concen: 4.72 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.06 min
 Lab File: BF088401.D
 Acq: 26 Jun 2016 5:05

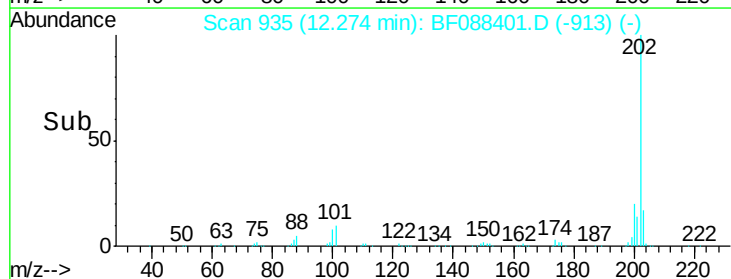
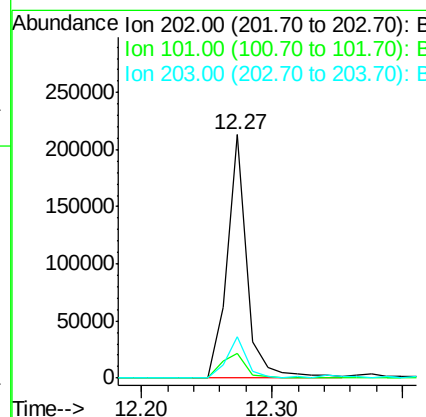
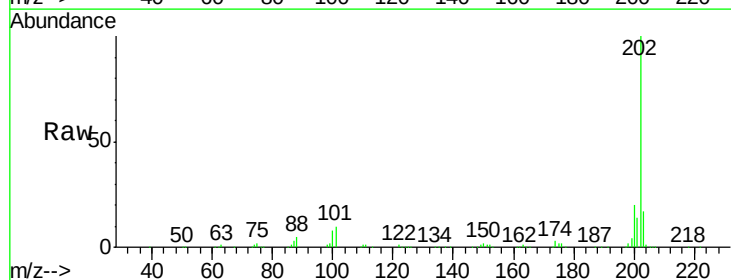
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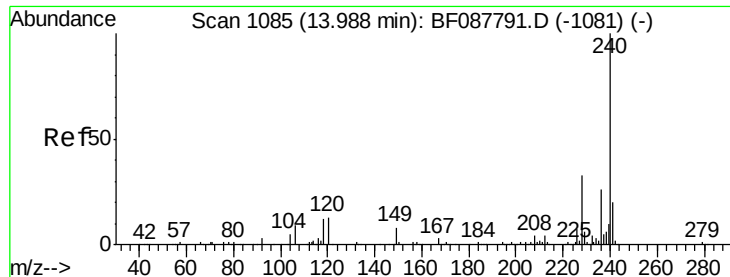
Tot Ion:178 Resp: 49296
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.6 23.4
 179 18.0 12.8 19.2



#74
 Fluoranthene
 Concen: 20.94 ng
 RT: 12.27 min Scan# 935
 Delta R.T. -0.05 min
 Lab File: BF088401.D
 Acq: 26 Jun 2016 5:05

Tgt Ion:202 Resp: 228629
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 33.1
 203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF088401.D

Acq: 26 Jun 2016 5:05

Instrument :

BNA_F

ClientSampleId :

PM-STA-1388(0-4)DL

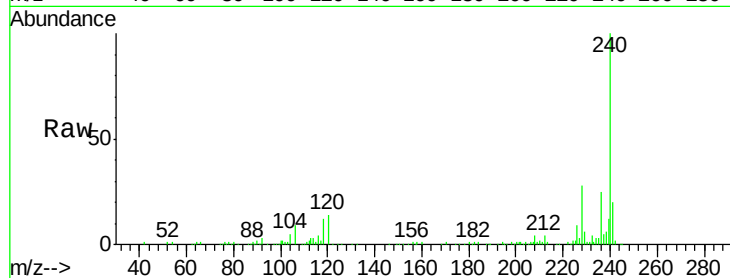
Tot Ion:240 Resp: 162396

Ion Ratio Lower Upper

240 100

120 13.6 6.8 10.2#

236 25.3 20.2 30.2

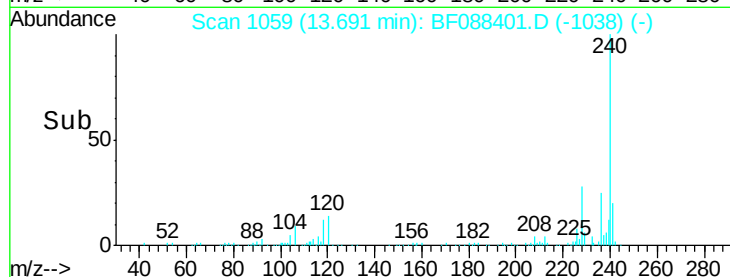


Abundance Ion 240.00 (239.70 to 240.70): E

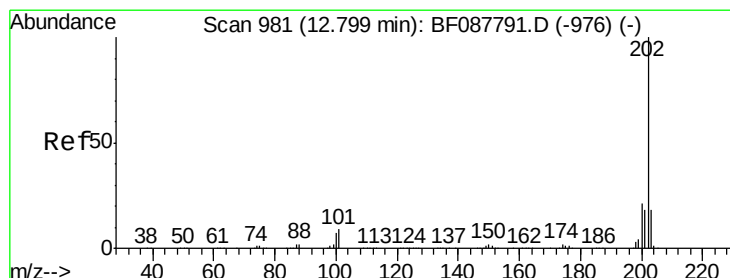
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.69



Time-->



#77

Pyrene

Concen: 15.51 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088401.D

Acq: 26 Jun 2016 5:05

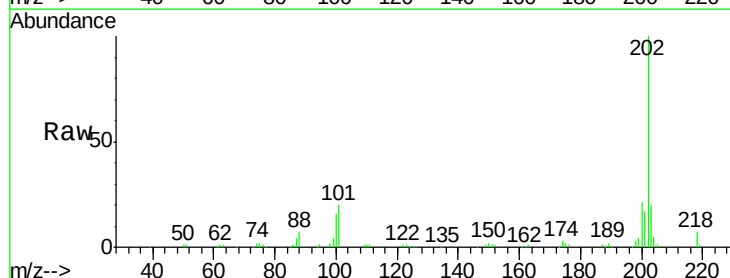
Tgt Ion:202 Resp: 186965

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

203 20.5 14.5 21.7

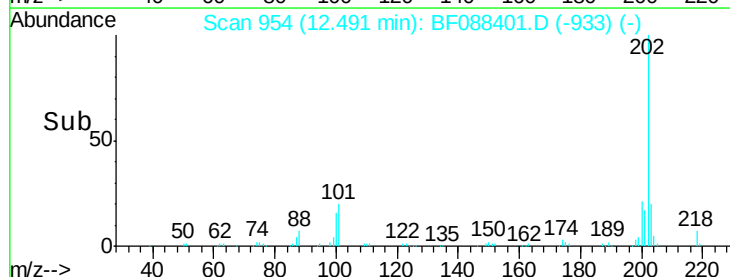


Abundance Ion 202.00 (201.70 to 202.70): E

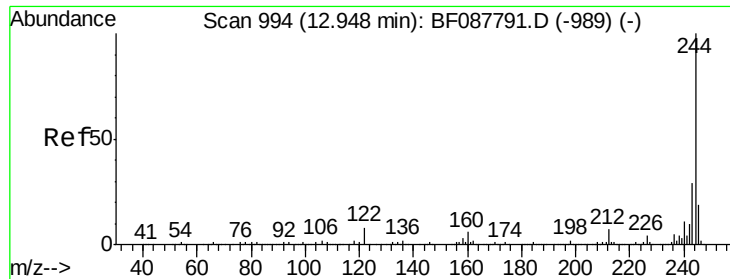
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.49



Time-->



#78

Terphenyl-d14

Concen: 16.06 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.06 min

Lab File: BF088401.D

Acq: 26 Jun 2016 5:05

Instrument :

BNA_F

ClientSampleId :

PM-STA-1388(0-4)DL

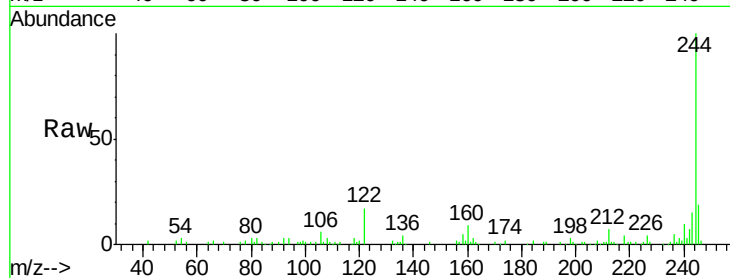
Tot Ion:244 Resp: 114639

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

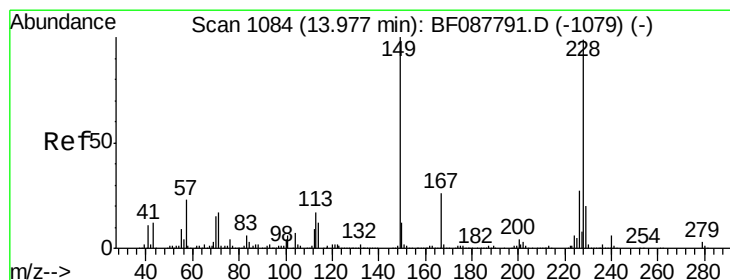
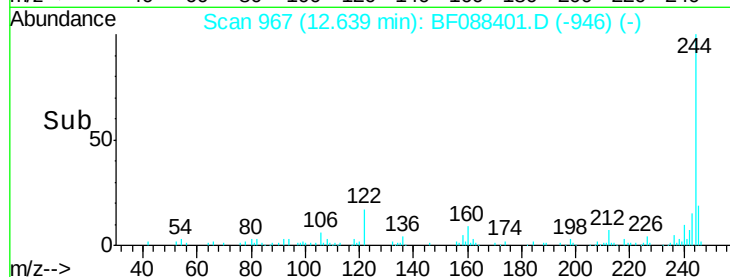
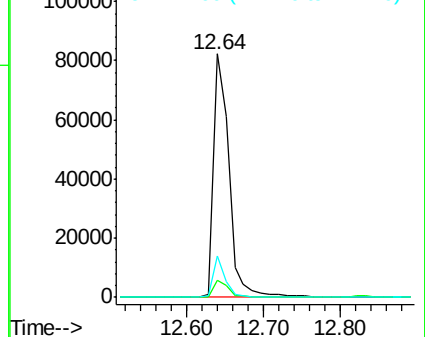
122 16.9 11.2 16.8#



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: 11.71 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.06 min

Lab File: BF088401.D

Acq: 26 Jun 2016 5:05

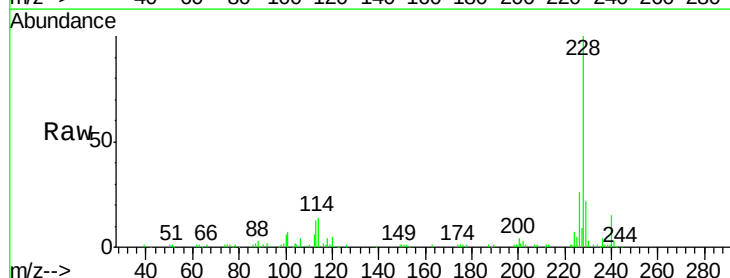
Tgt Ion:228 Resp: 108379

Ion Ratio Lower Upper

228 100

226 26.5 22.3 33.5

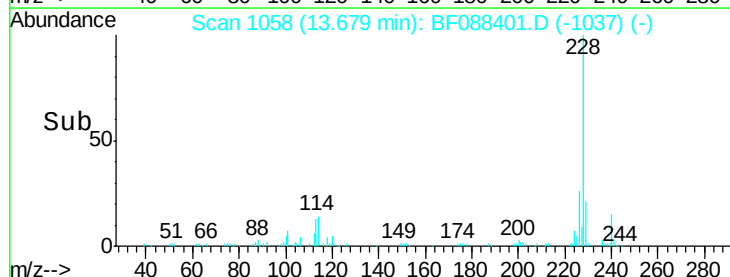
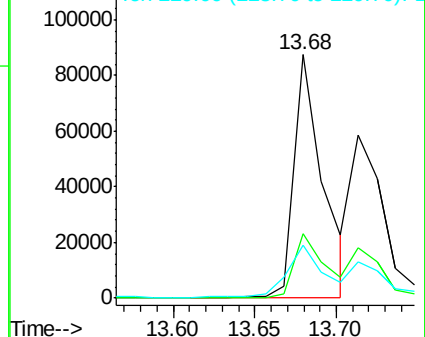
229 21.7 16.0 24.0

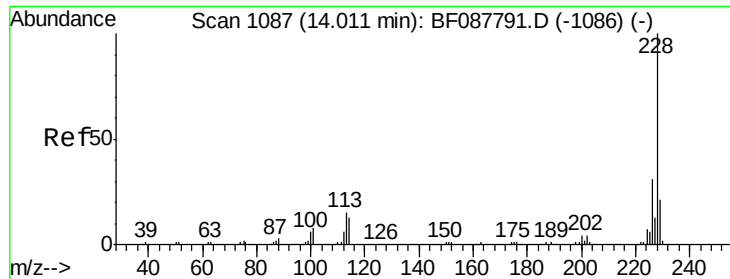


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

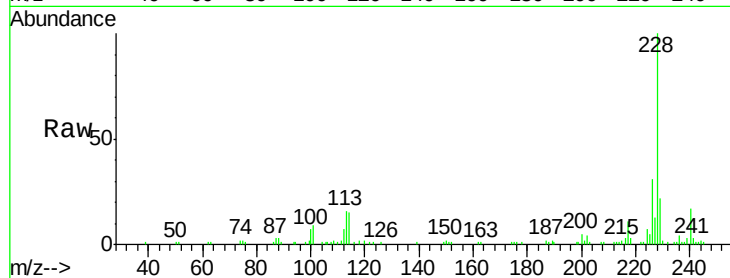




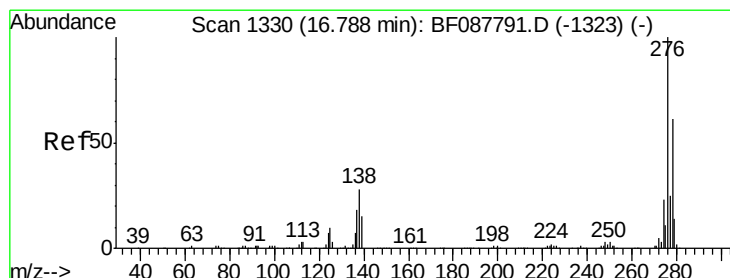
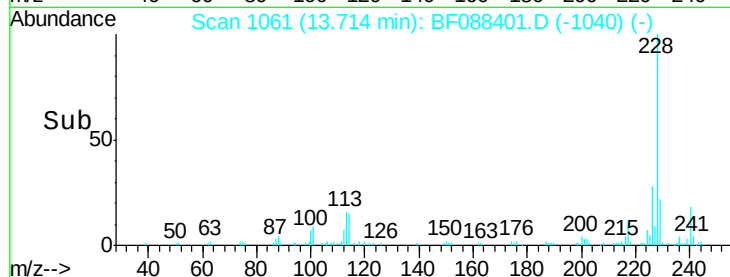
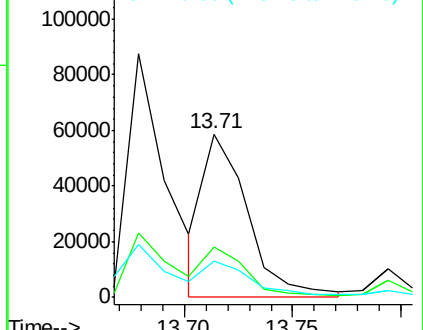
#82
Chrysene
Concen: 9.57 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.06 min
Lab File: BF088401.D
Acq: 26 Jun 2016 5:05

Instrument :
BNA_F
ClientSampleId :
PM-STA-1388(0-4)DL

Tot Ion:228 Resp: 83356
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.2
229 22.3 16.3 24.5

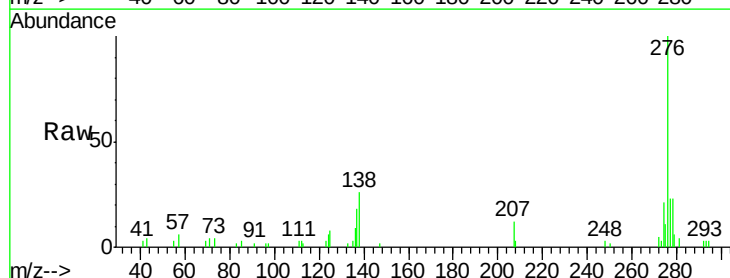


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

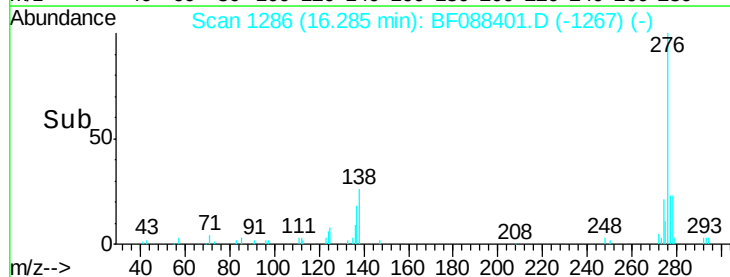
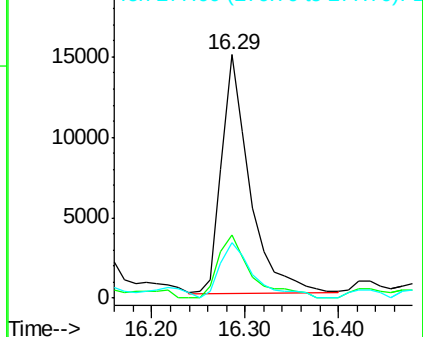


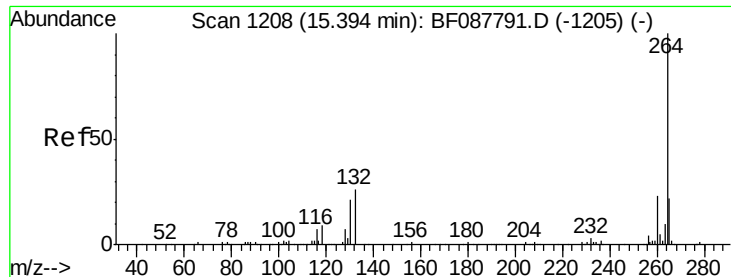
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.85 ng
RT: 16.29 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF088401.D
Acq: 26 Jun 2016 5:05

Tgt Ion:276 Resp: 31135
Ion Ratio Lower Upper
276 100
138 30.9 0.0 0.0#
277 27.9 0.0 0.0#



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

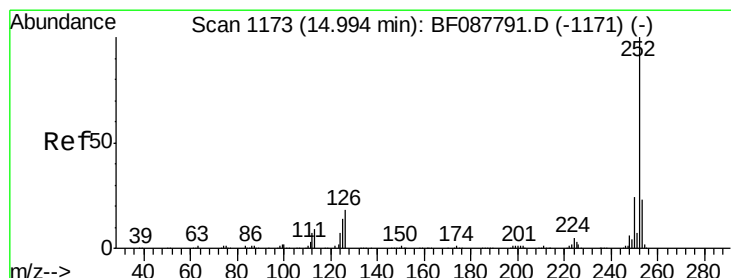
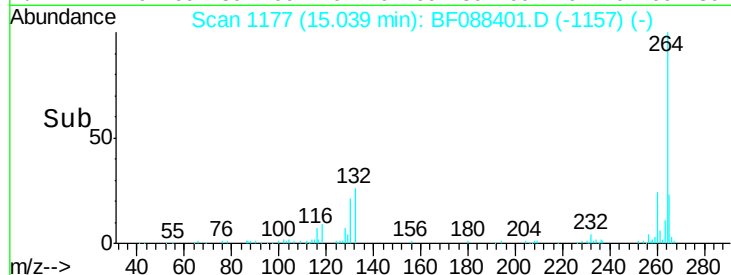
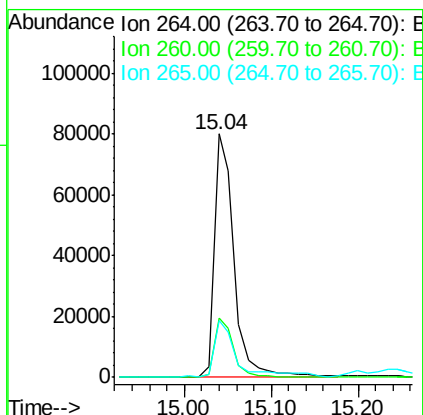
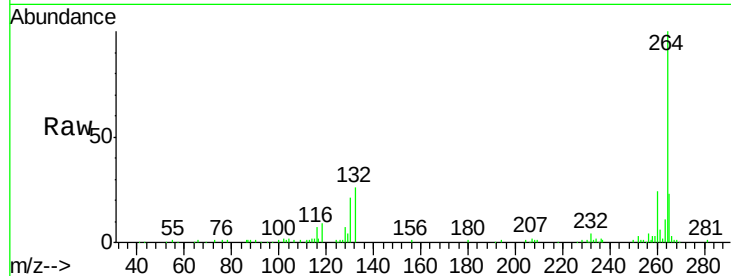




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.07 min
Lab File: BF088401.D
Acq: 26 Jun 2016 5:05

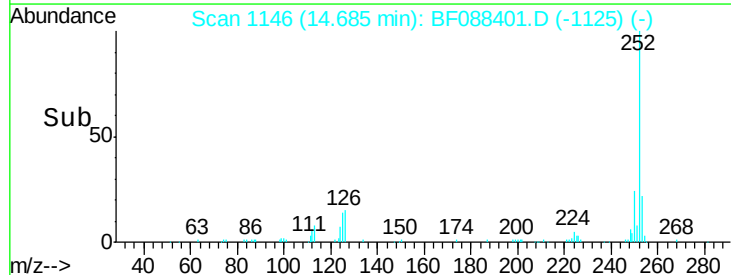
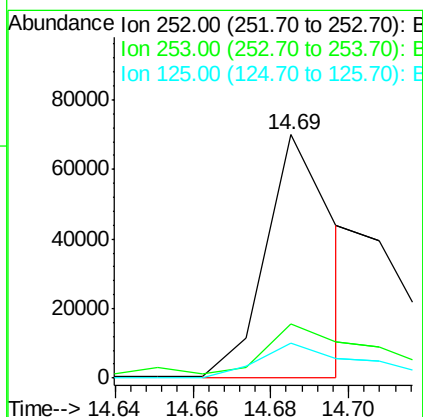
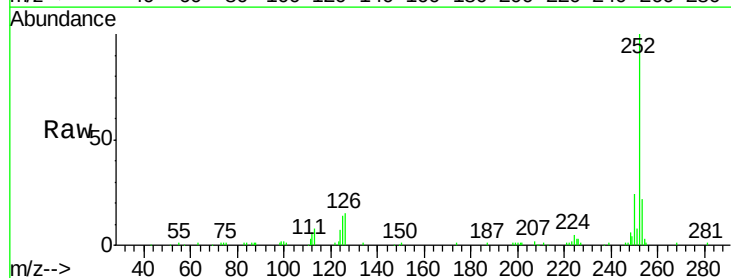
Instrument :
BNA_F
ClientSampleId :
PM-STA-1388(0-4)DL

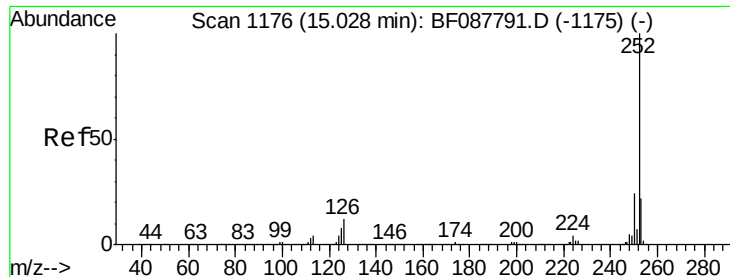
Tot Ion:264 Resp: 127680
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 23.1 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 9.68 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF088401.D
Acq: 26 Jun 2016 5:05

Tgt Ion:252 Resp: 86141
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 14.3 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 6.68 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.07 min

Lab File: BF088401.D

Acq: 26 Jun 2016 5:05

Instrument :

BNA_F

ClientSampleId :

PM-STA-1388(0-4)DL

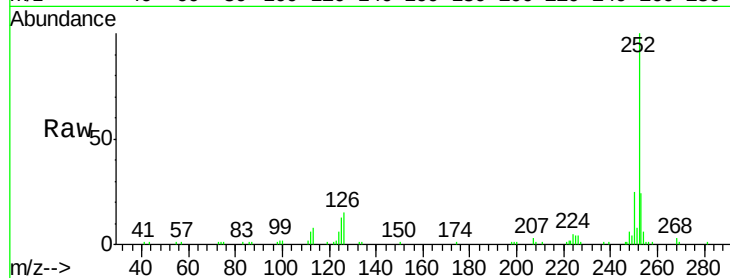
Tot Ion:252 Resp: 44819

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

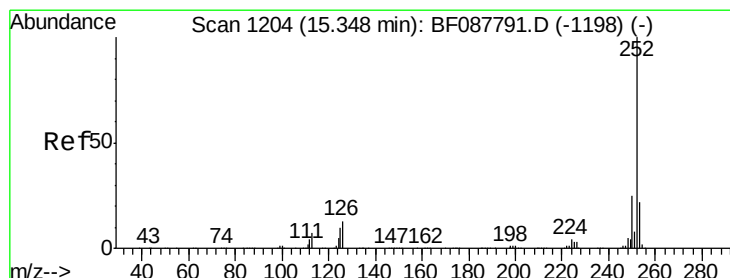
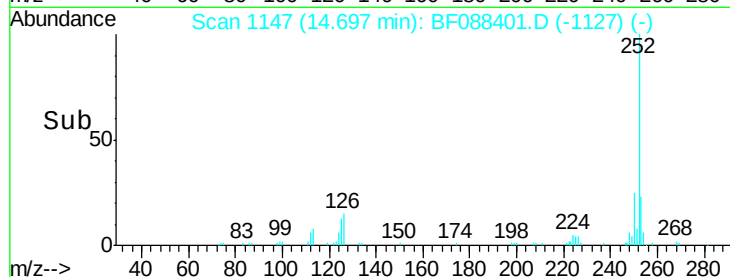
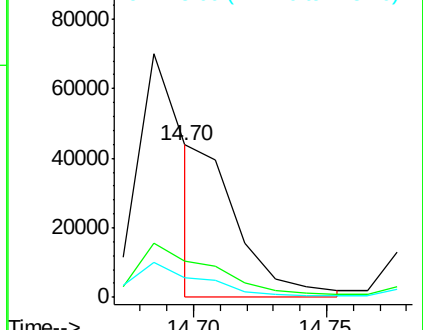
125 13.2 11.2 16.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 9.09 ng

RT: 14.99 min Scan# 1173

Delta R.T. -0.06 min

Lab File: BF088401.D

Acq: 26 Jun 2016 5:05

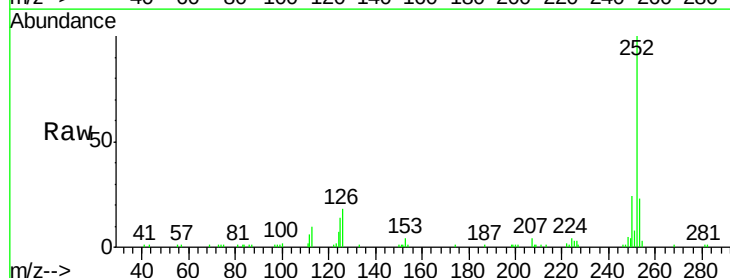
Tgt Ion:252 Resp: 65442

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

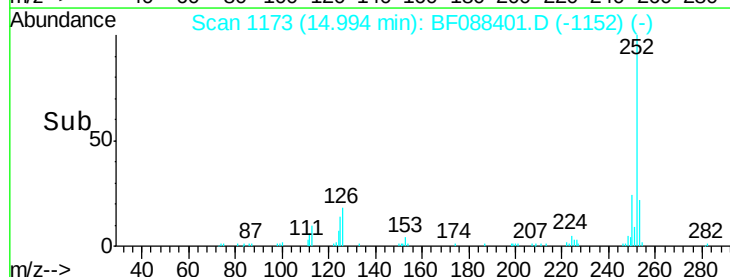
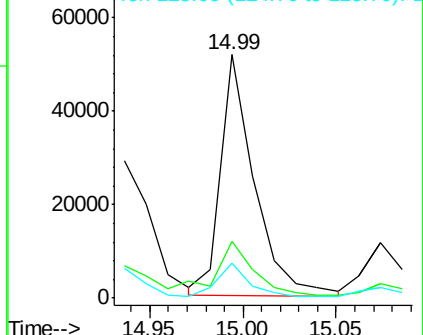
125 14.3 12.5 18.7

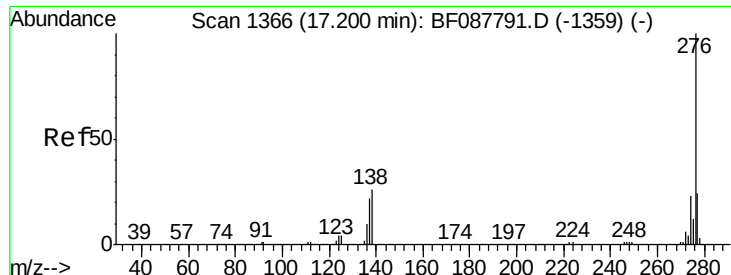


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 4.20 ng

RT: 16.65 min Scan# 1318

Delta R.T. -0.09 min

Lab File: BF088401.D

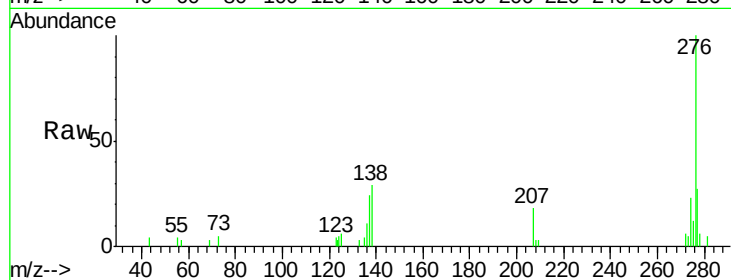
Acq: 26 Jun 2016 5:05

Instrument :

BNA_F

ClientSampleId :

PM-STA-1388(0-4)DL



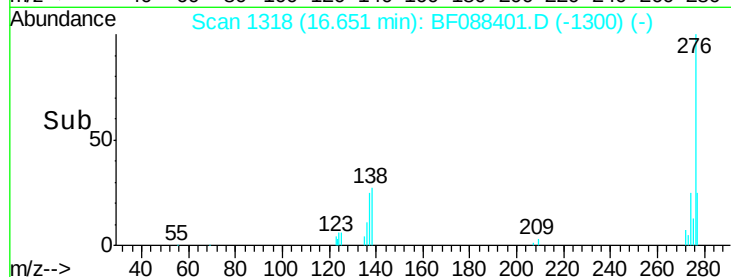
Tot Ion: 276 Resp: 28906

Ion Ratio Lower Upper

276 100

277 26.9 18.9 28.3

138 29.0 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

