

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088405.D
 Acq On : 26 Jun 2016 7:00
 Operator : UM/SJ
 Sample : H3598-10DL 10X
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1381(0-4)DL

Quant Time: Jun 26 08:26:52 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

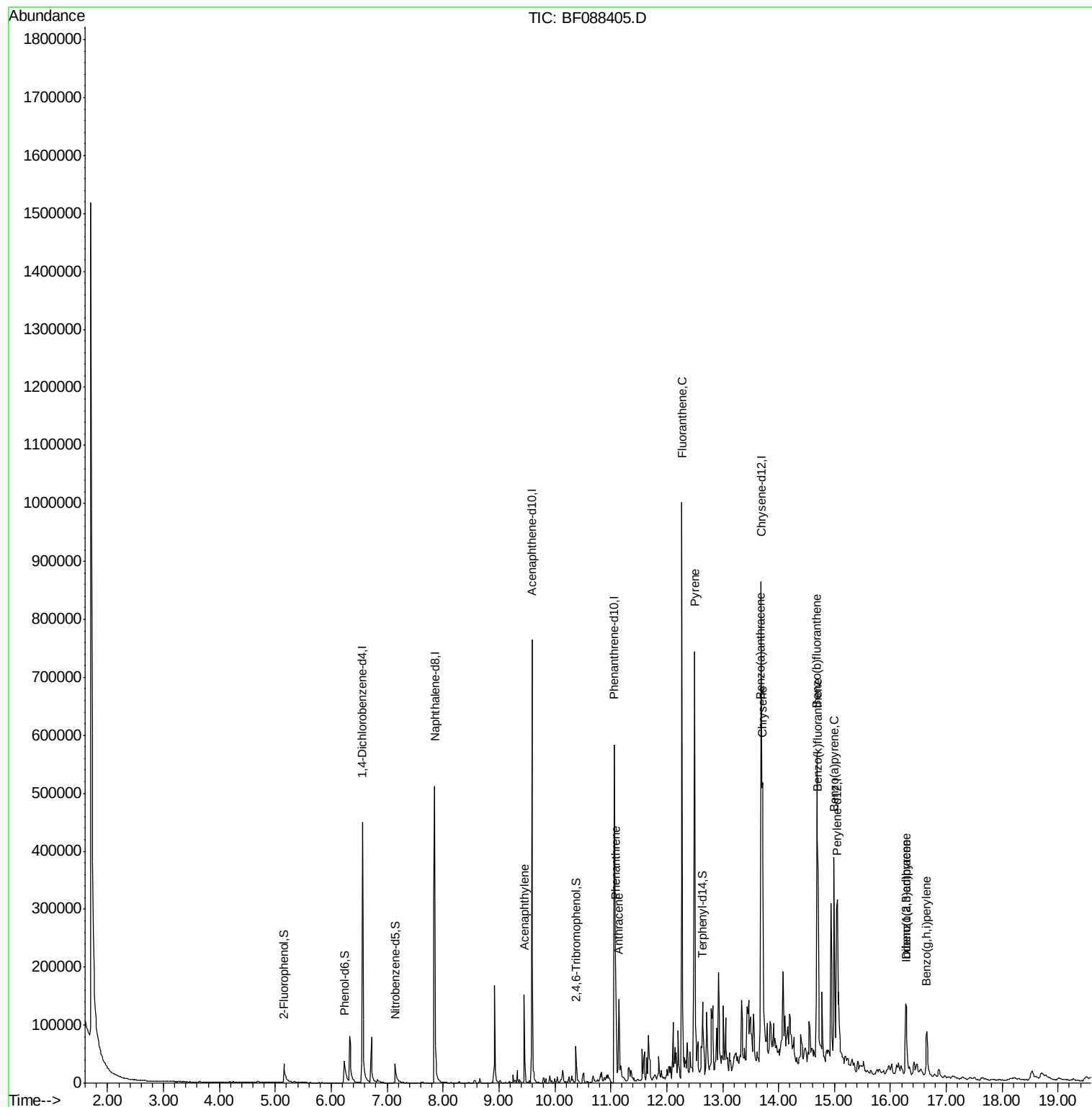
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	88902	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	364535	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	160439	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	263242	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	197620	20.00	ng	-0.06
86) Perylene-d12	15.05	264	167776	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	33823	6.50	ng	-0.02
7) Phenol-d6	6.24	99	51951	8.24	ng	-0.02
23) Nitrobenzene-d5	7.14	82	31078	4.98	ng	-0.03
41) 2,4,6-Tribromophenol	10.38	330	8946	5.28	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	69419	1.35	ng	-0.05
78) Terphenyl-d14	12.64	244	47223	5.44	ng	-0.06
Target Compounds						Qvalue
48) Acenaphthylene	9.45	152	77194	4.67	ng	99
70) Phenanthrene	11.09	178	102382	7.41	ng	98
71) Anthracene	11.14	178	80607	5.79	ng	99
74) Fluoranthene	12.27	202	441843	30.31	ng	97
77) Pyrene	12.50	202	456549	31.13	ng	98
80) Benzo(a)anthracene	13.68	228	284300	25.25	ng	96
82) Chrysene	13.71	228	216551m	20.44	ng	
85) Indeno(1,2,3-cd)pyrene	16.29	276	82448	8.38	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	252254m	21.57	ng	
88) Benzo(k)fluoranthene	14.70	252	127498m	14.45	ng	
89) Benzo(a)pyrene	14.99	252	163676	17.30	ng	97
90) Dibenzo(a,h)anthracene	16.27	278	21747m	2.47	ng	
91) Benzo(a,h,i)perylene	16.65	276	67062	7.42	ng	97

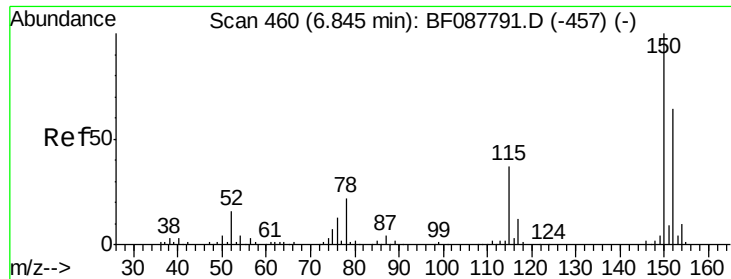
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

Instrument :

BNA_F

ClientSampleId :

PM-STA-1381(0-4)DL

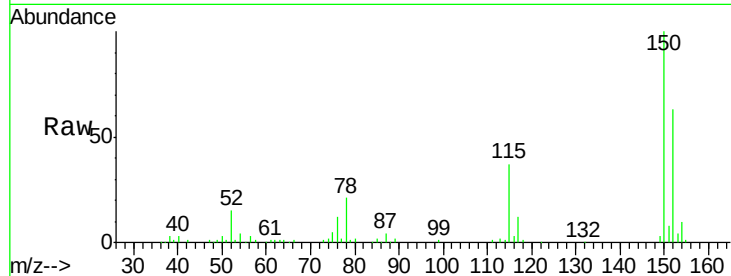
Tot Ion:152 Resp: 88902

Ion Ratio Lower Upper

152 100

150 158.1 123.8 185.6

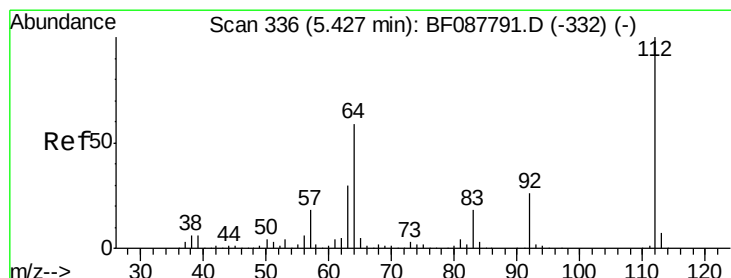
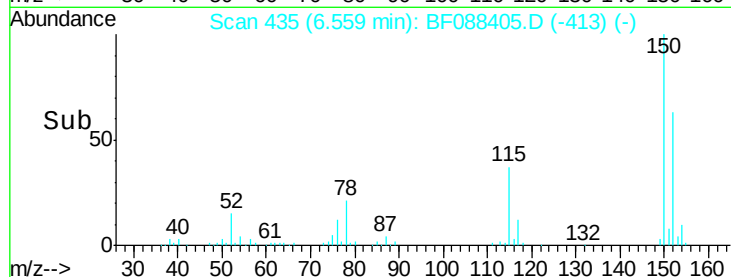
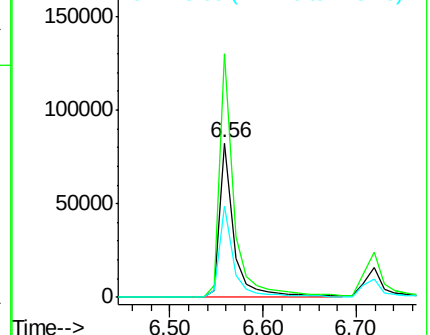
115 58.9 39.6 59.4



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: 6.50 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

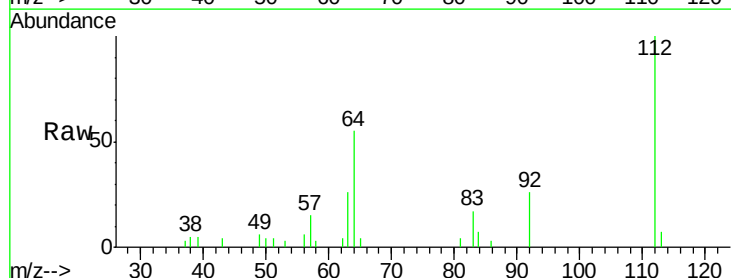
Tgt Ion:112 Resp: 33823

Ion Ratio Lower Upper

112 100

64 55.0 42.2 63.2

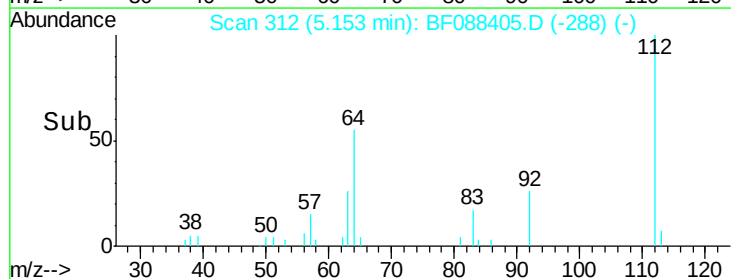
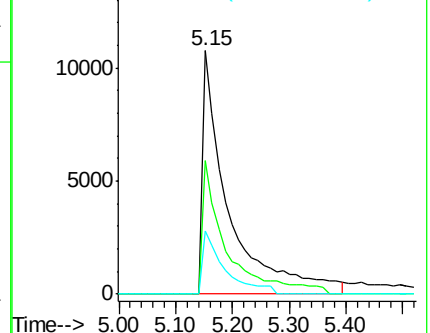
63 26.2 21.8 32.8

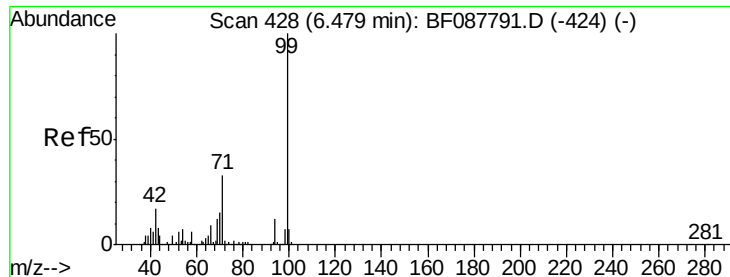


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 8.24 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

Instrument :

BNA_F

ClientSampleId :

PM-STA-1381(0-4)DL

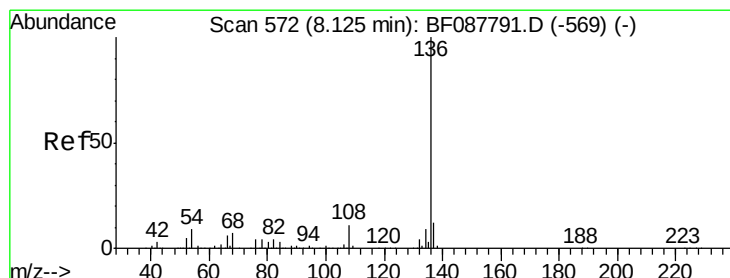
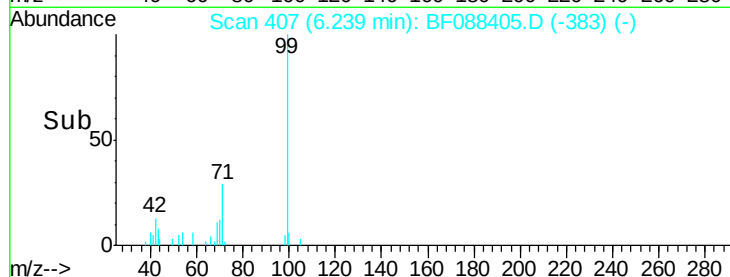
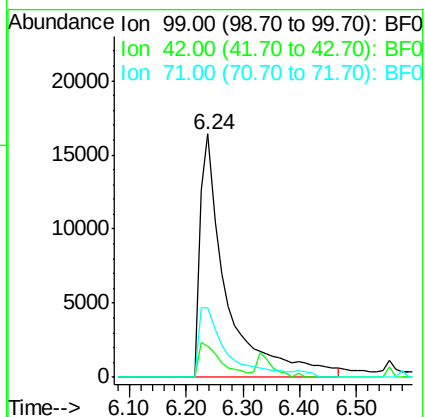
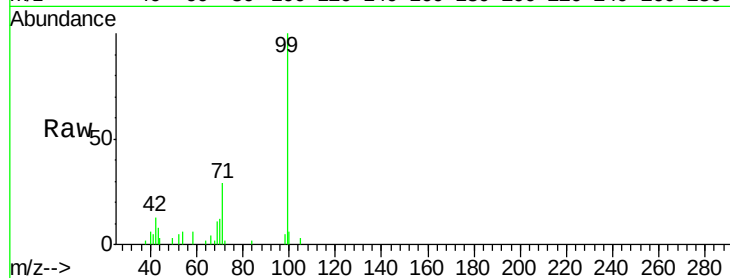
Tot Ion: 99 Resp: 51951

Ion Ratio Lower Upper

99 100

42 13.0 12.2 18.2

71 28.7 23.4 35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

Tgt Ion: 136 Resp: 364535

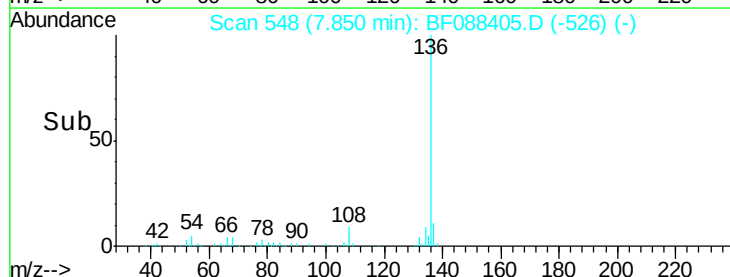
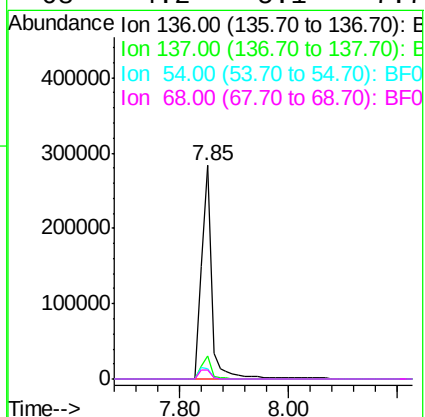
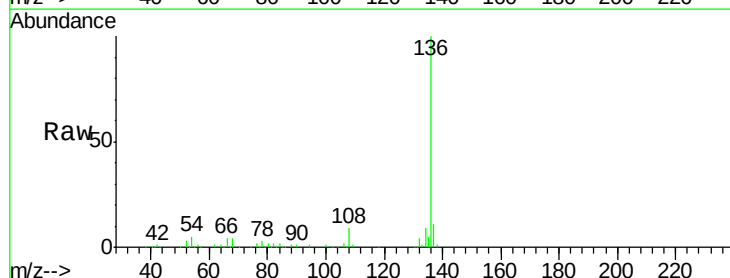
Ion Ratio Lower Upper

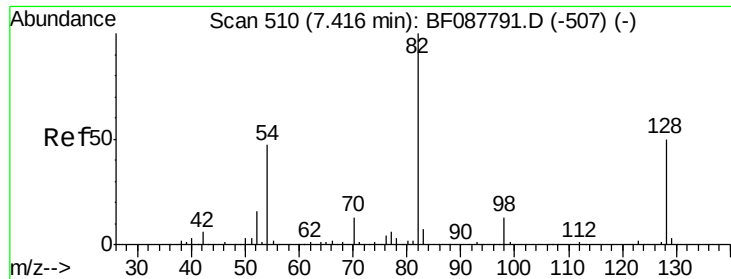
136 100

137 10.5 9.1 13.7

54 4.7 6.6 10.0#

68 4.2 5.1 7.7#

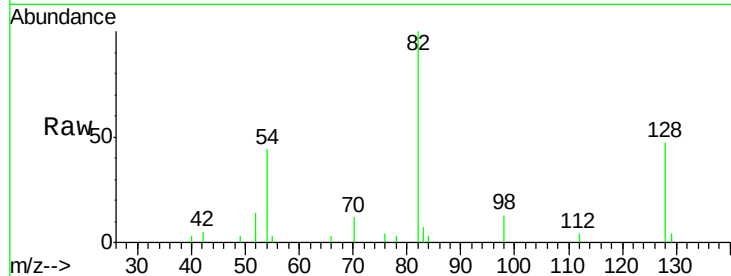




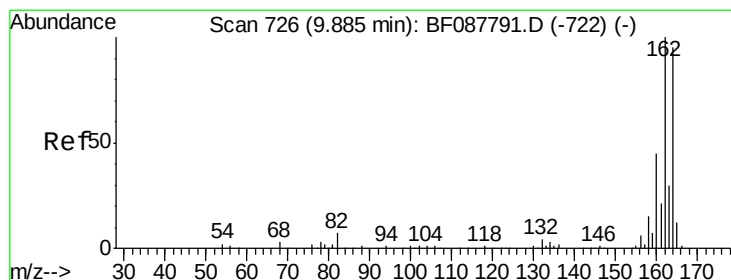
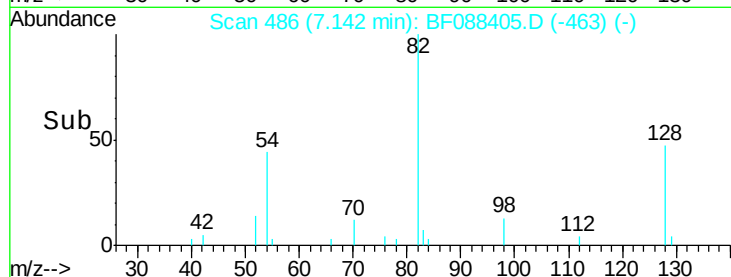
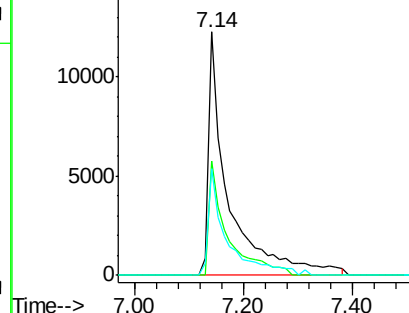
#23
 Nitrobenzene-d5
 Concen: 4.98 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF088405.D
 Acq: 26 Jun 2016 7:00

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1381(0-4)DL

Tot Ion: 82 Resp: 31078
 Ion Ratio Lower Upper
 82 100
 128 47.0 35.9 53.9
 54 43.6 40.9 61.3

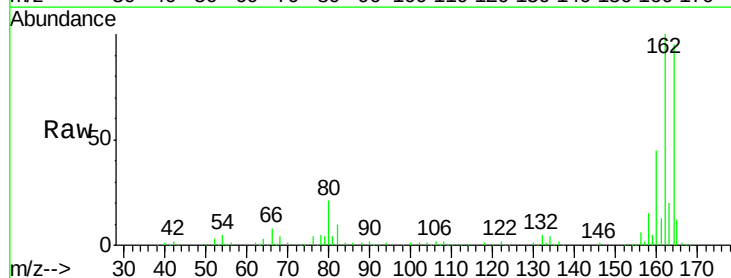


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

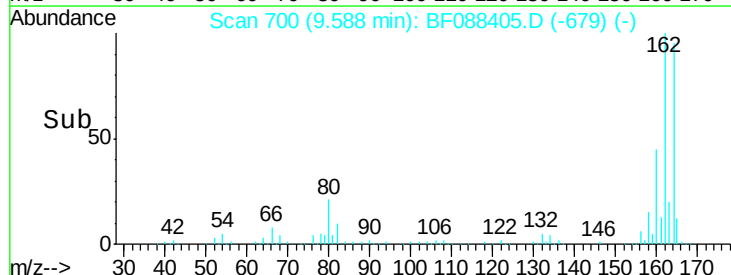
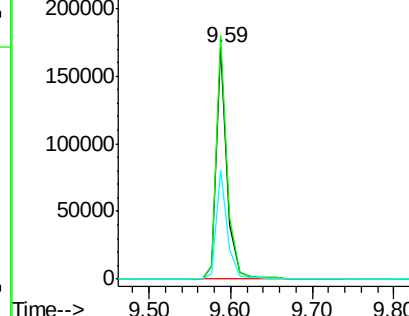


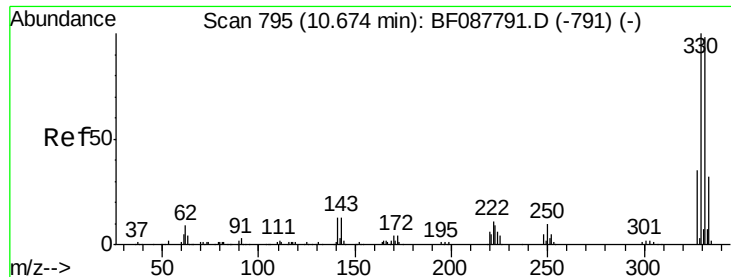
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.06 min
 Lab File: BF088405.D
 Acq: 26 Jun 2016 7:00

Tgt Ion:164 Resp: 160439
 Ion Ratio Lower Upper
 164 100
 162 105.1 85.4 128.2
 160 47.0 39.5 59.3



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

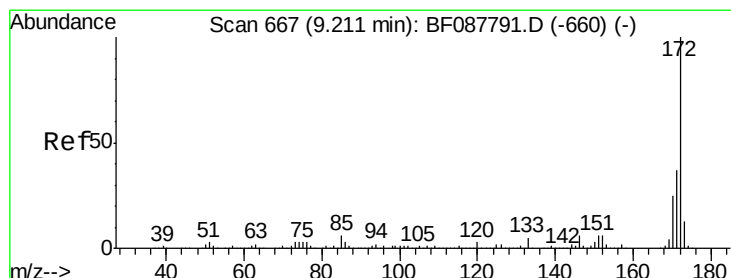
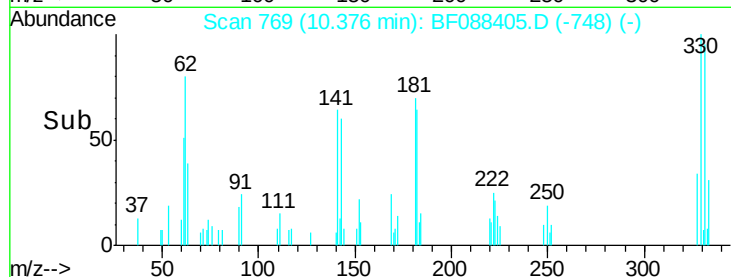
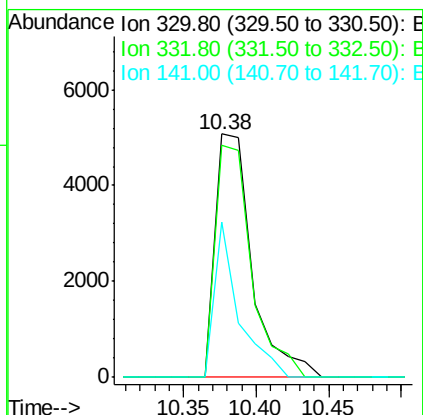
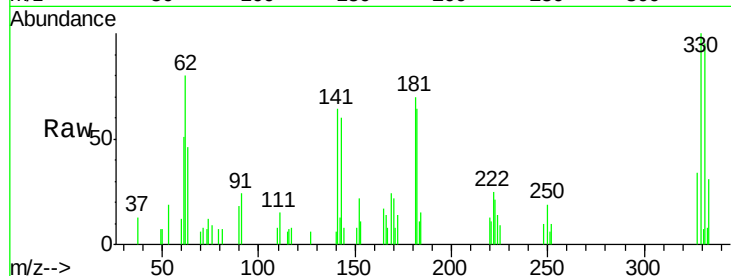




#41
 2,4,6-Tribromophenol
 Concen: 5.28 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.06 min
 Lab File: BF088405.D
 Acq: 26 Jun 2016 7:00

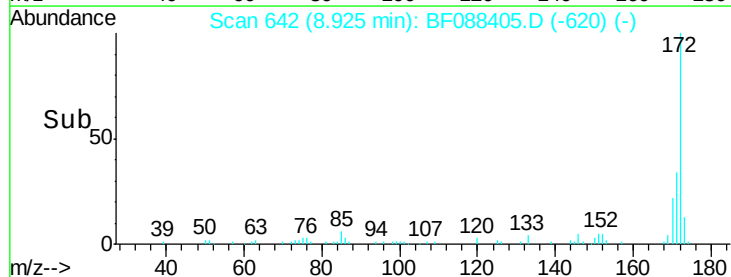
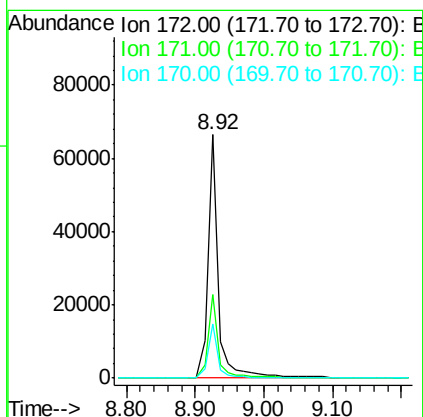
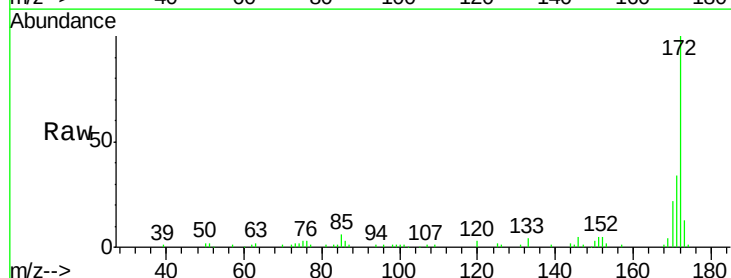
Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1381(0-4)DL

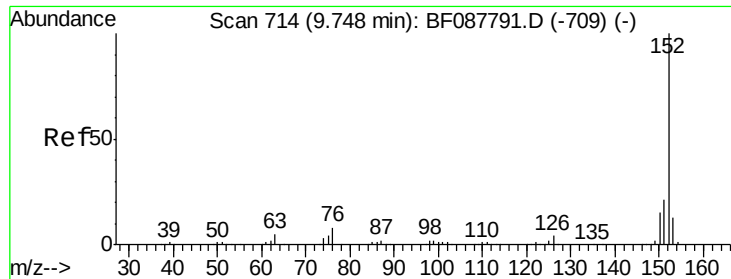
Tot Ion:330 Resp: 8946
 Ion Ratio Lower Upper
 330 100
 332 93.6 0.0 0.0#
 141 42.1 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 1.35 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088405.D
 Acq: 26 Jun 2016 7:00

Tgt Ion:172 Resp: 69419
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.6 43.0
 170 22.5 19.2 28.8





#48

Acenaphthylene

Concen: 4.67 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.06 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

Instrument :

BNA_F

ClientSampleId :

PM-STA-1381(0-4)DL

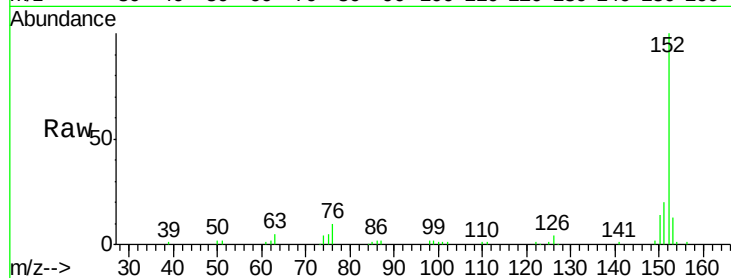
Tot Ion:152 Resp: 77194

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.4

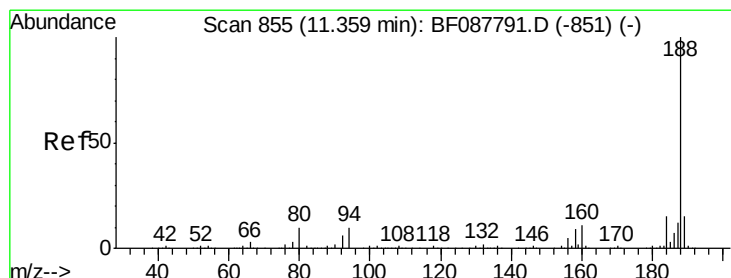
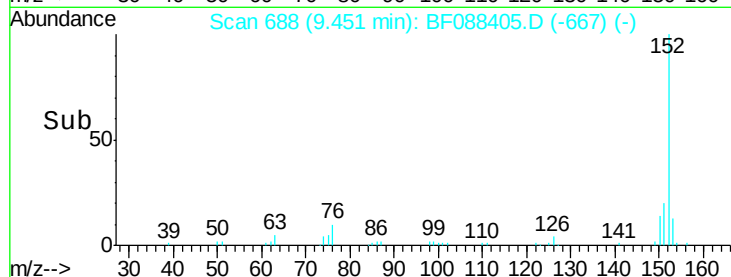
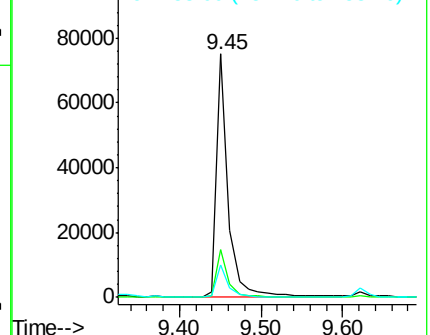
153 13.2 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.06 min Scan# 829

Delta R.T. -0.06 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

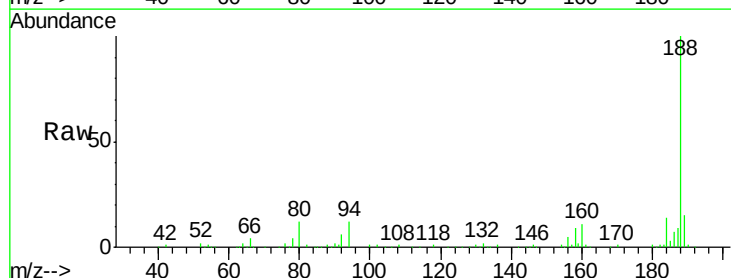
Tgt Ion:188 Resp: 263242

Ion Ratio Lower Upper

188 100

94 11.7 9.0 13.6

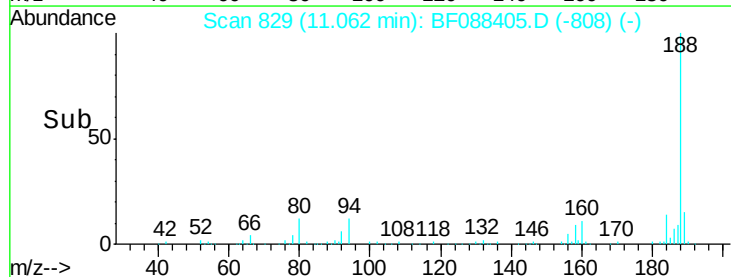
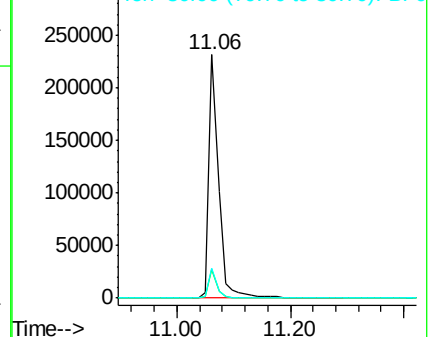
80 12.2 10.0 15.0

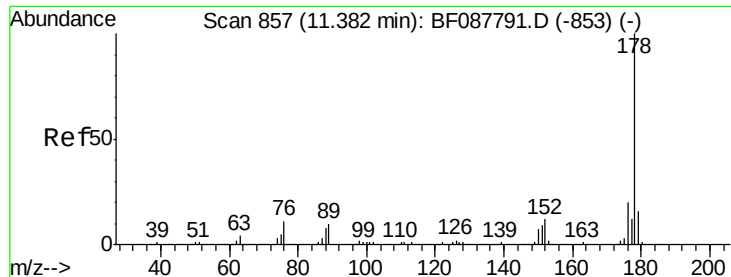


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

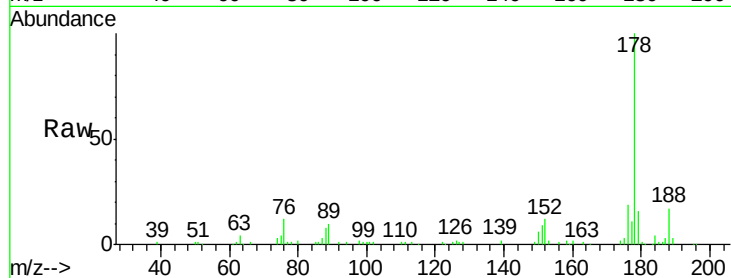




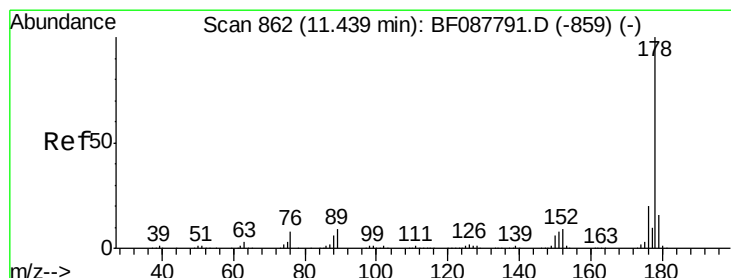
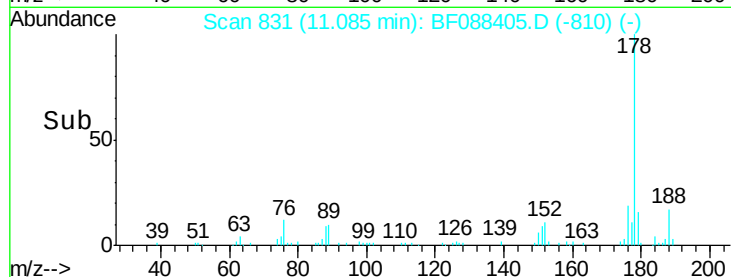
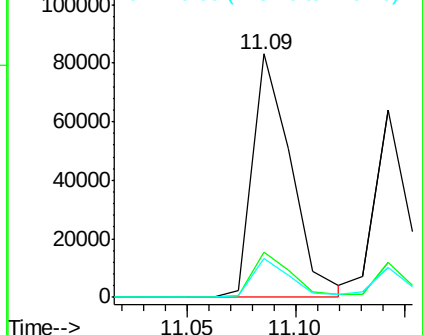
#70
Phenanthrene
Concen: 7.41 ng
RT: 11.09 min Scan# 831
Delta R.T. -0.06 min
Lab File: BF088405.D
Acq: 26 Jun 2016 7:00

Instrument :
BNA_F
ClientSampleId :
PM-STA-1381(0-4)DL

Tot Ion:178 Resp: 102382
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.9 13.0 19.4

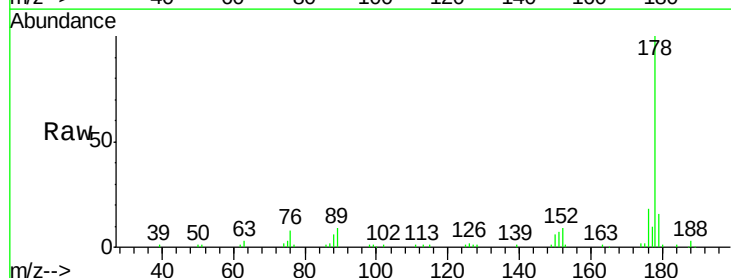


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

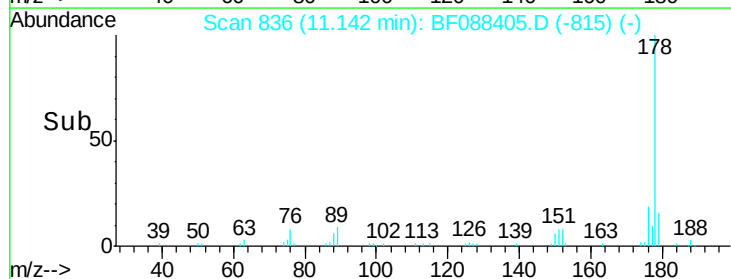
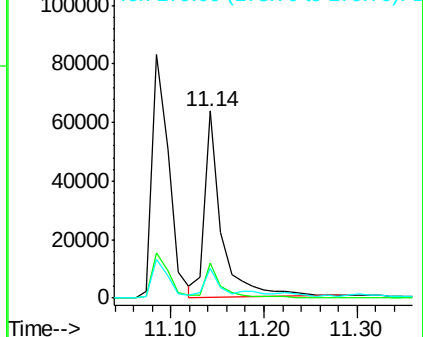


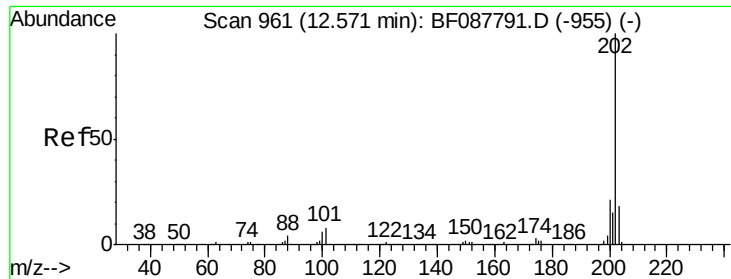
#71
Anthracene
Concen: 5.79 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.06 min
Lab File: BF088405.D
Acq: 26 Jun 2016 7:00

Tgt Ion:178 Resp: 80607
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.8 12.8 19.2



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: 30.31 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

Instrument :

BNA_F

ClientSampleId :

PM-STA-1381(0-4)DL

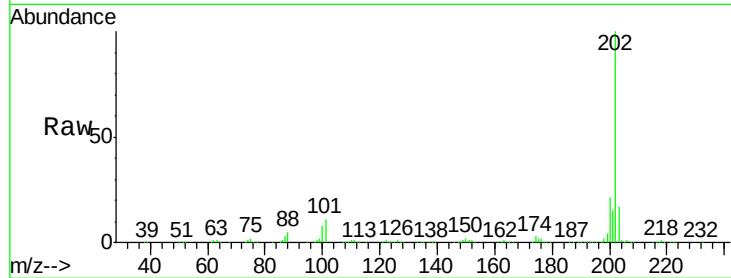
Tot Ion:202 Resp: 441843

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.1

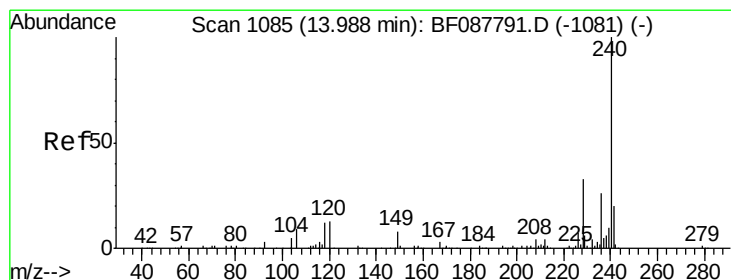
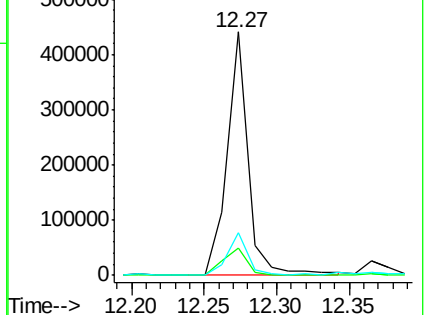
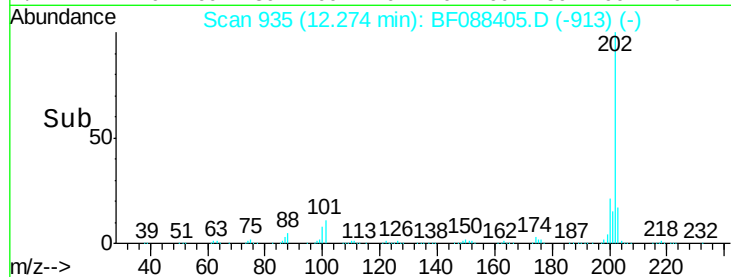
203 17.5 0.0 38.1



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: 13.69 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

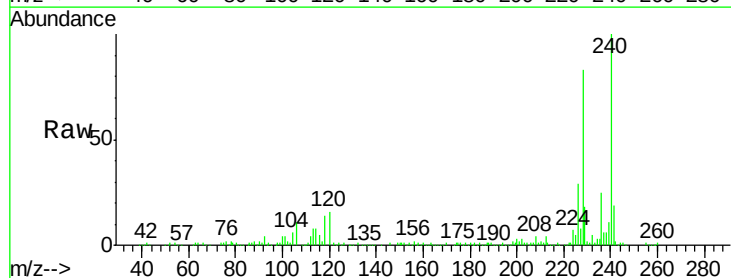
Tgt Ion:240 Resp: 197620

Ion Ratio Lower Upper

240 100

120 15.6 6.8 10.2#

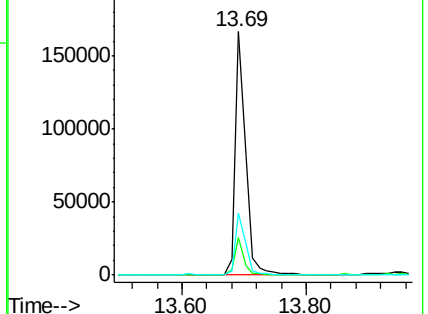
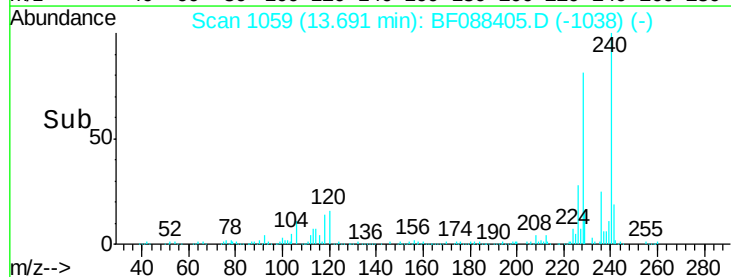
236 25.2 20.2 30.2

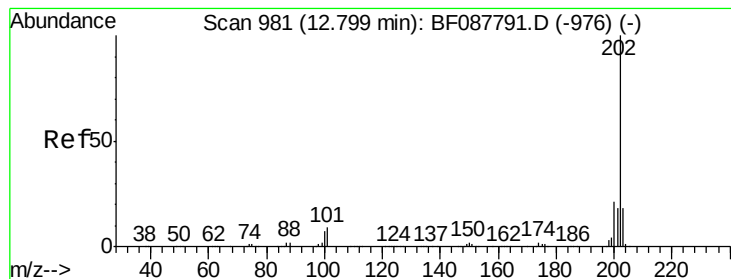


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 31.13 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.05 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

Instrument :

BNA_F

ClientSampleId :

PM-STA-1381(0-4)DL

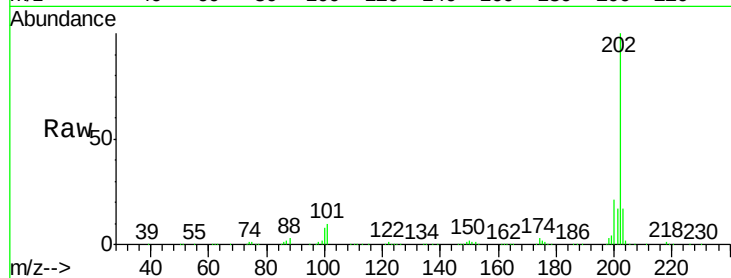
Tot Ion:202 Resp: 456549

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

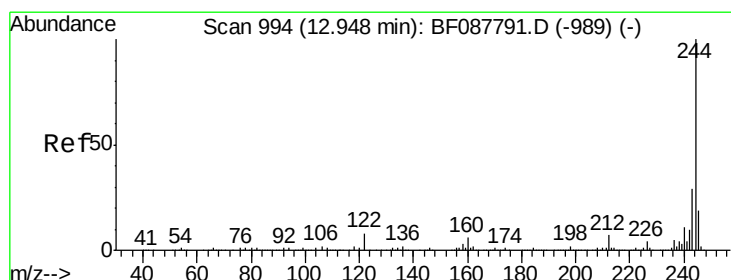
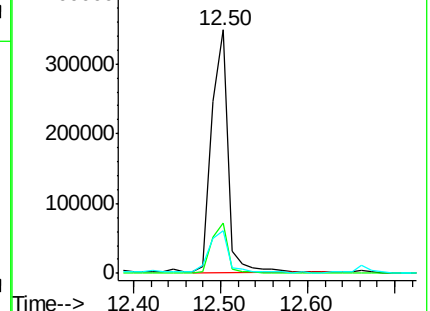
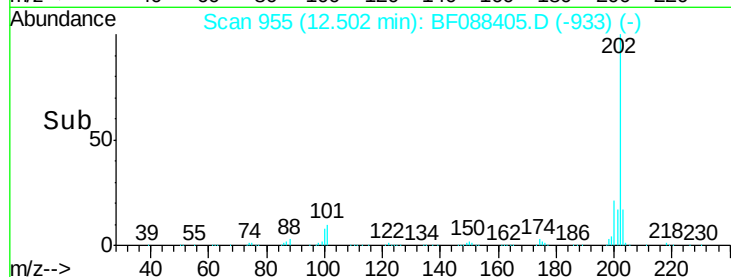
203 17.4 14.5 21.7



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



#78

Terphenyl-d14

Concen: 5.44 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.06 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

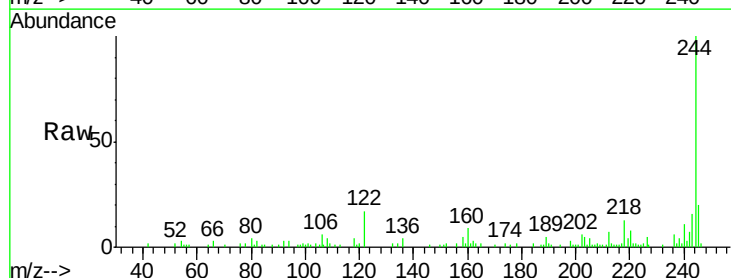
Tgt Ion:244 Resp: 47223

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

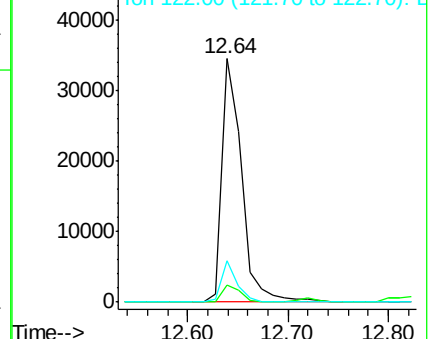
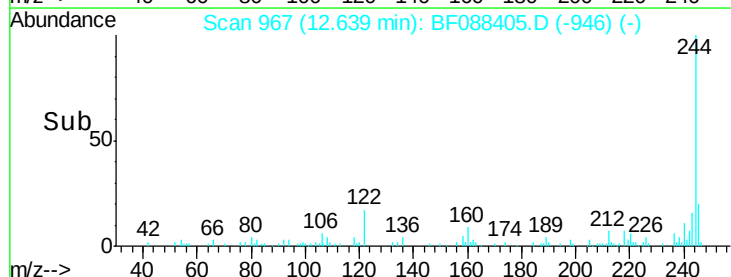
122 17.2 11.2 16.8#

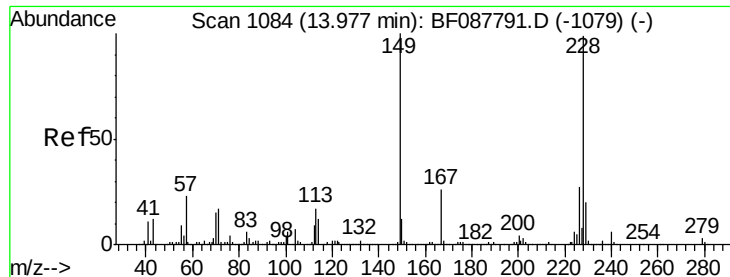


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 25.25 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.06 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

Instrument :

BNA_F

ClientSampleId :

PM-STA-1381(0-4)DL

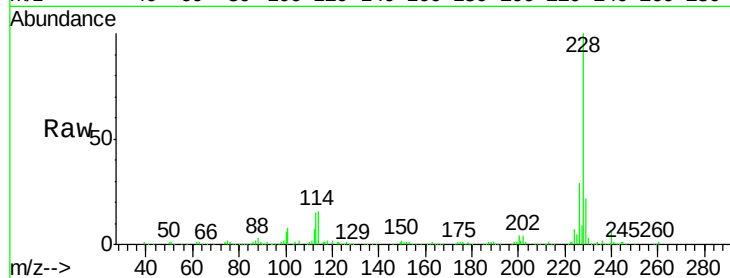
Tot Ion:228 Resp: 284300

Ion Ratio Lower Upper

228 100

226 29.4 22.3 33.5

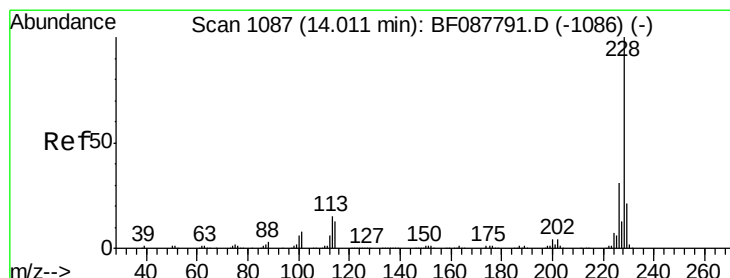
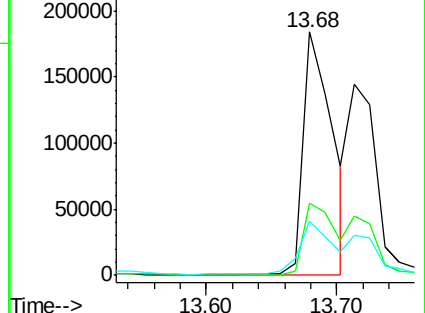
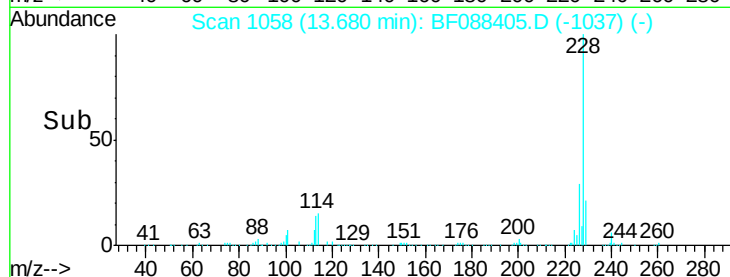
229 22.1 16.0 24.0



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: 20.44 ng m

RT: 13.71 min Scan# 1061

Delta R.T. -0.06 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

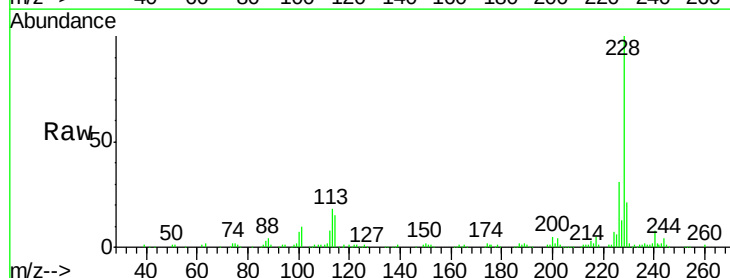
Tgt Ion:228 Resp: 216551

Ion Ratio Lower Upper

228 100

226 31.0 25.4 38.2

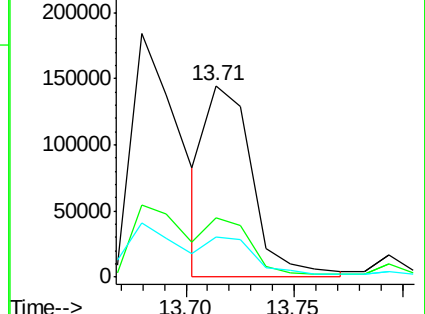
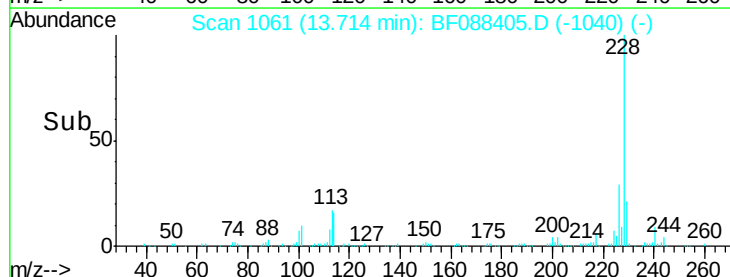
229 21.2 16.3 24.5

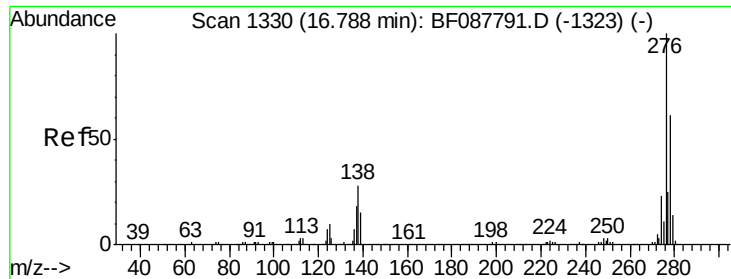


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

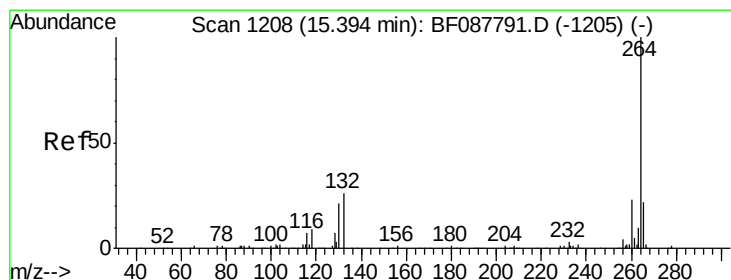
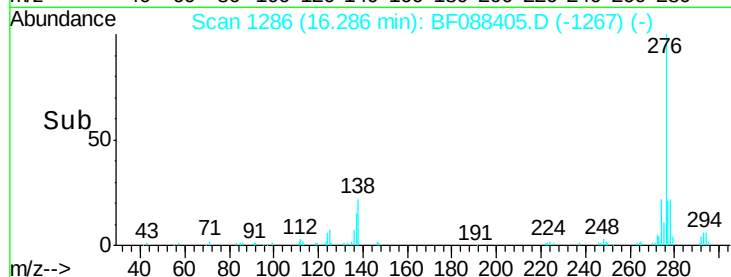
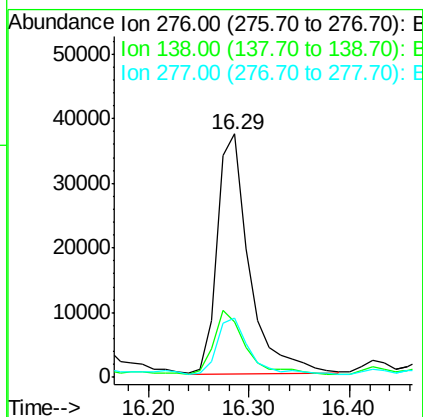
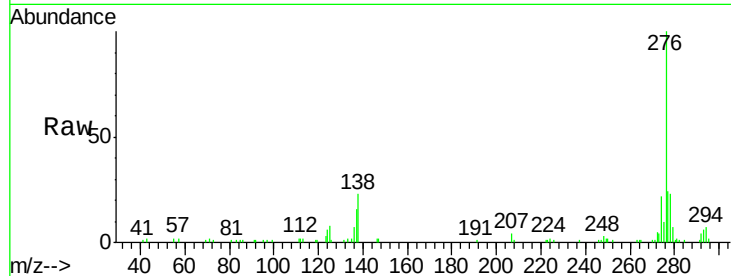




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.38 ng
 RT: 16.29 min Scan# 1286
 Delta R.T. -0.08 min
 Lab File: BF088405.D
 Acq: 26 Jun 2016 7:00

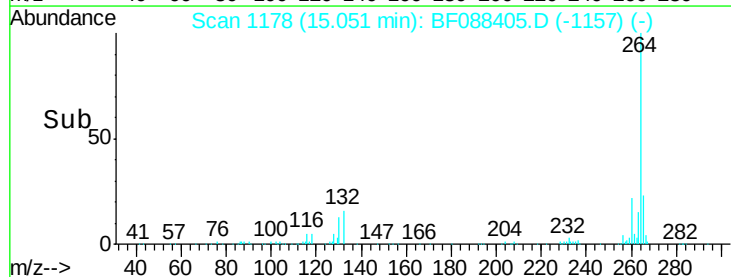
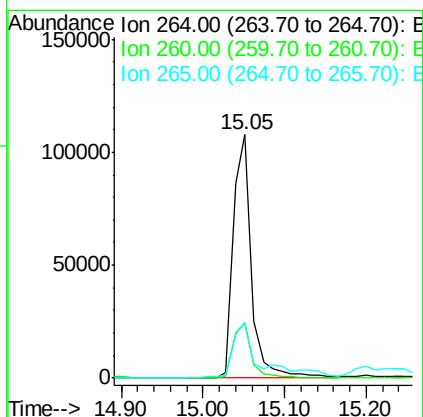
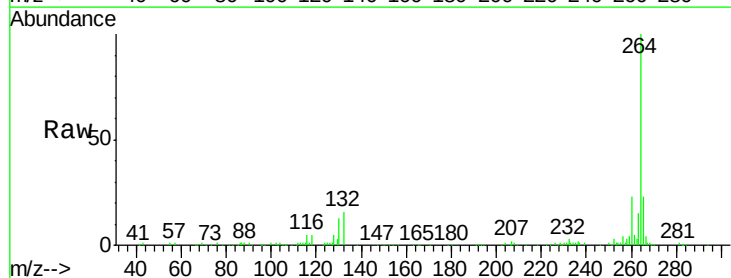
Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1381(0-4)DL

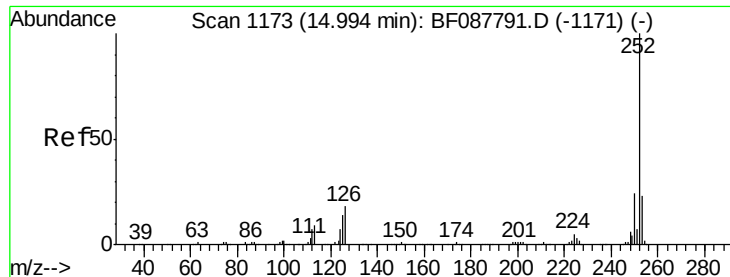
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	0.0	0.0#
277	22.6	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.06 min
 Lab File: BF088405.D
 Acq: 26 Jun 2016 7:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	22.8	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 21.57 ng m

RT: 14.69 min Scan# 1146

Delta R.T. -0.06 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

Instrument :

BNA_F

ClientSampleId :

PM-STA-1381(0-4)DL

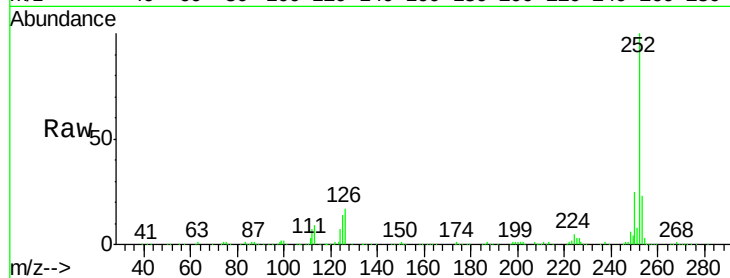
Tot Ion:252 Resp: 252254

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

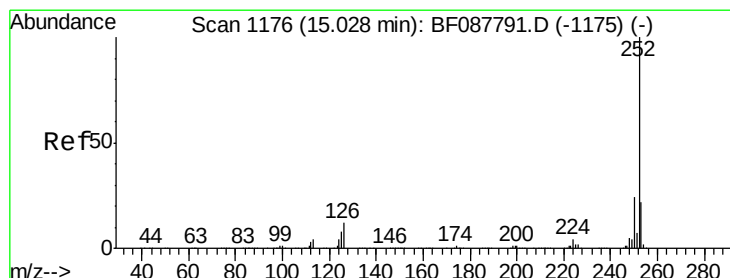
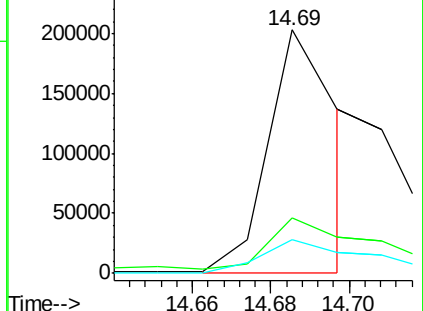
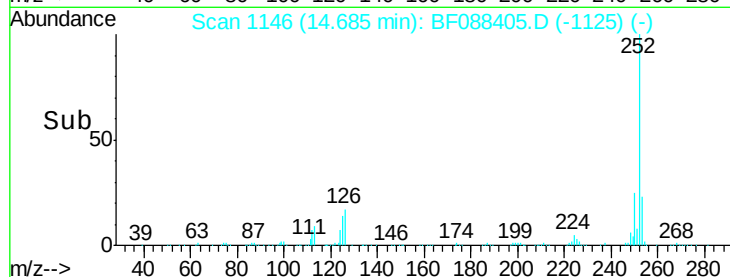
125 13.9 7.1 10.7#



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



#88

Benzo(k)fluoranthene

Concen: 14.45 ng m

RT: 14.70 min Scan# 1147

Delta R.T. -0.07 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

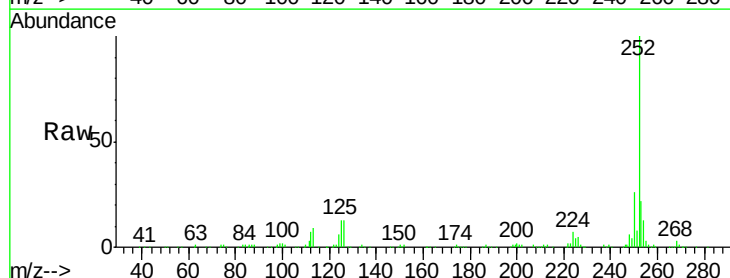
Tgt Ion:252 Resp: 127498

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

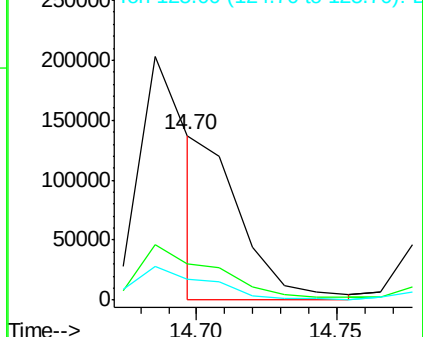
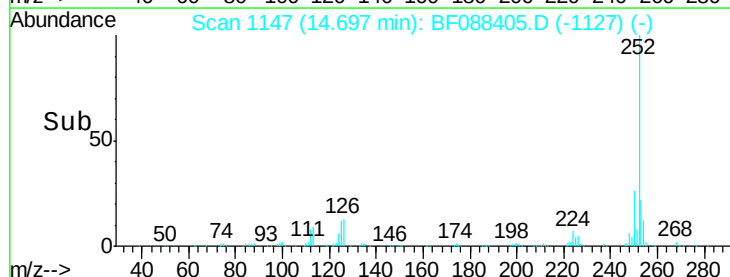
125 12.7 11.2 16.8

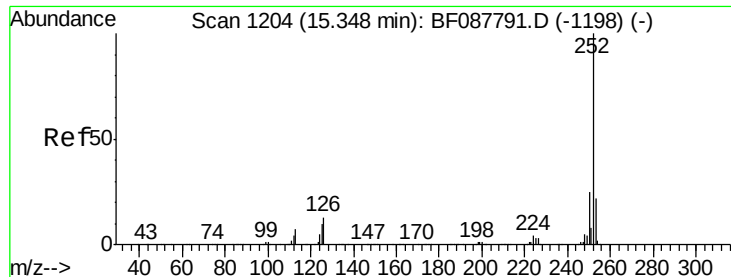


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

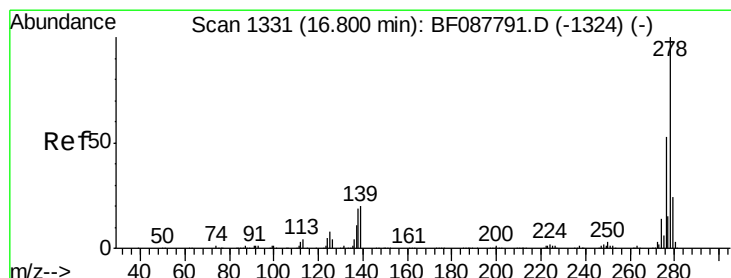
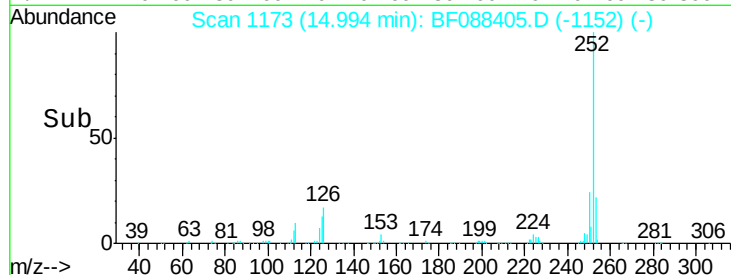
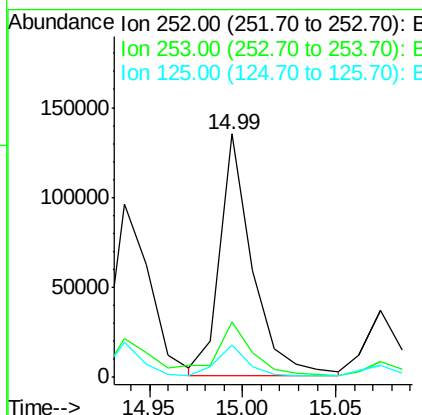
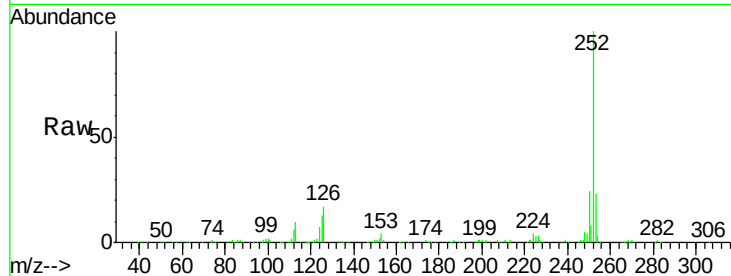




#89
Benzo(a)pyrene
Concen: 17.30 ng
RT: 14.99 min Scan# 1173
Delta R.T. -0.06 min
Lab File: BF088405.D
Acq: 26 Jun 2016 7:00

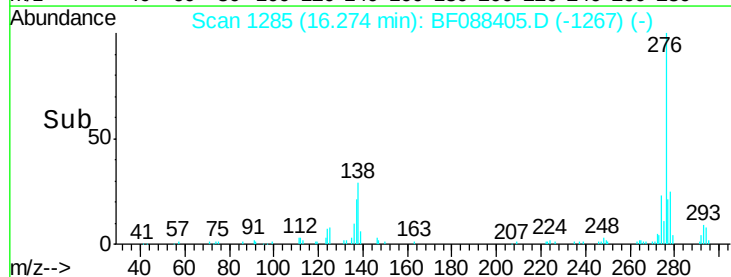
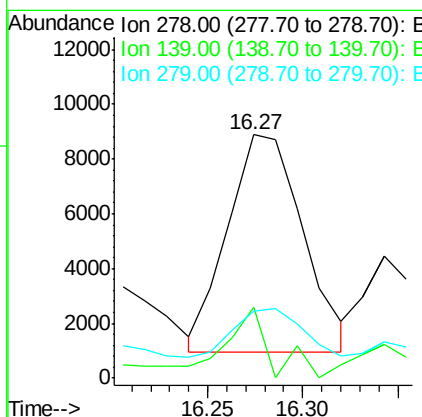
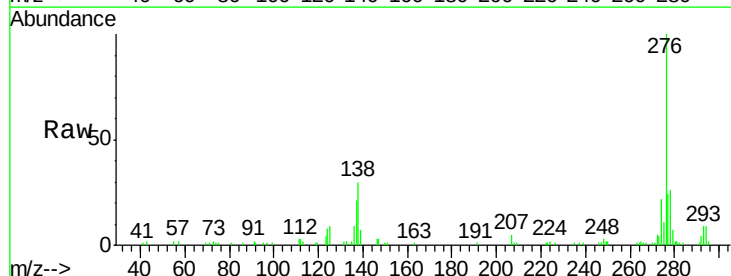
Instrument :
BNA_F
ClientSampleId :
PM-STA-1381(0-4)DL

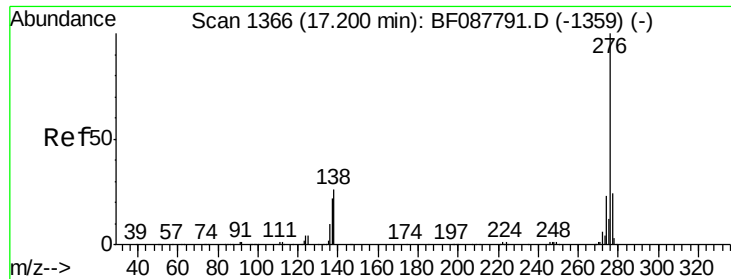
Tot Ion:252 Resp: 163676
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 13.5 12.5 18.7



#90
Dibenzo(a,h)anthracene
Concen: 2.47 ng m
RT: 16.27 min Scan# 1285
Delta R.T. -0.09 min
Lab File: BF088405.D
Acq: 26 Jun 2016 7:00

Tgt Ion:278 Resp: 21747
Ion Ratio Lower Upper
278 100
139 28.8 15.7 23.5#
279 27.4 19.4 29.2





#91

Benzo(a,h,i)perylene

Concen: 7.42 ng

RT: 16.65 min Scan# 1318

Delta R.T. -0.09 min

Lab File: BF088405.D

Acq: 26 Jun 2016 7:00

Instrument :

BNA_F

ClientSampleId :

PM-STA-1381(0-4)DL

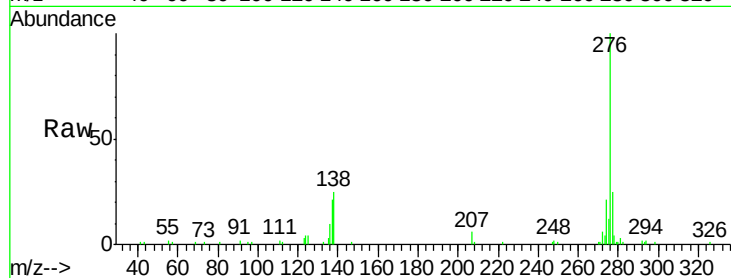
Tot Ion: 276 Resp: 67062

Ion Ratio Lower Upper

276 100

277 25.2 18.9 28.3

138 25.2 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

