

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088386.D
 Acq On : 25 Jun 2016 19:39
 Operator : UM/SJ
 Sample : H3624-23
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1511(0-4)

Quant Time: Jun 27 14:23:14 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	78286	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	304339	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	127726	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	207222	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	156490	20.00	ng	-0.06
86) Perylene-d12	15.05	264	128176	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	458384	100.10	ng	-0.03
7) Phenol-d6	6.24	99	593306	106.91	ng	-0.02
23) Nitrobenzene-d5	7.13	82	347678	66.71	ng	-0.05
41) 2,4,6-Tribromophenol	10.38	330	110520	81.95	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	613014	74.73	ng	-0.05
78) Terphenyl-d14	12.65	244	442317	64.32	ng	-0.05

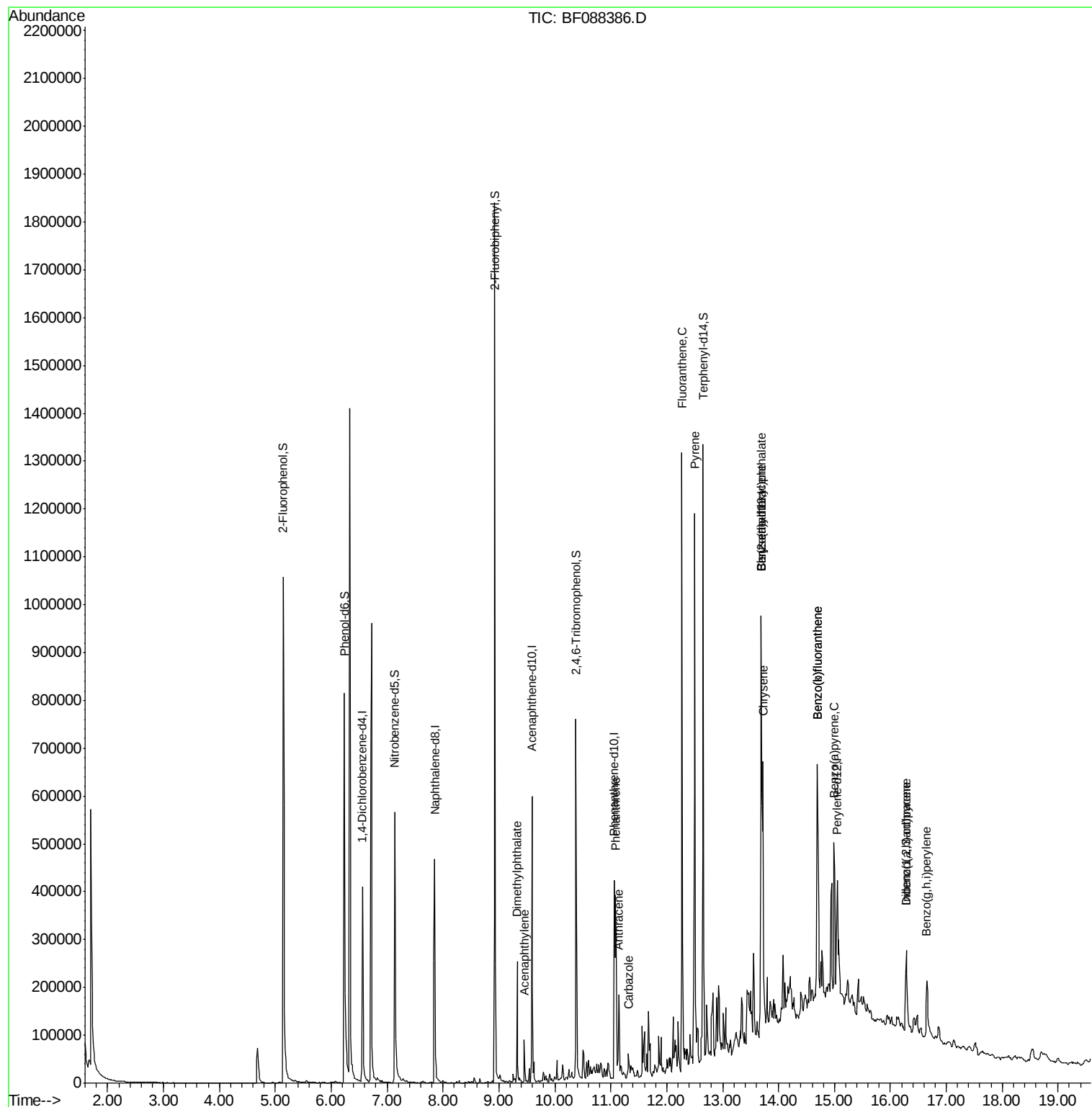
Target Compounds				Qvalue		
48) Acenaphthylene	9.45	152	44393	3.38	ng	100
49) Dimethylphthalate	9.32	163	100853	10.90	ng	99
70) Phenanthrene	11.08	178	199096	18.31	ng	99
71) Anthracene	11.14	178	85005	7.75	ng	98
72) Carbazole	11.31	167	25736	2.51	ng	98
74) Fluoranthene	12.27	202	534923	46.61	ng	99
77) Pyrene	12.50	202	534192	46.00	ng	100
80) Benzo(a)anthracene	13.69	228	285284	31.99	ng	95
82) Chrysene	13.73	228	277445m	33.07	ng	
83) Bis(2-ethylhexyl)phthalate	13.69	149	42029	6.72	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.29	276	109327	14.03	ng	# 100
87) Benzo(b)fluoranthene	14.70	252	269098m	30.12	ng	
88) Benzo(k)fluoranthene	14.70	252	153961m	22.85	ng	
89) Benzo(a)pyrene	14.99	252	190728	26.39	ng	97
90) Dibenzo(a,h)anthracene	16.29	278	22997m	3.43	ng	
91) Benzo(g,h,i)perylene	16.65	276	97982	14.19	ng	96

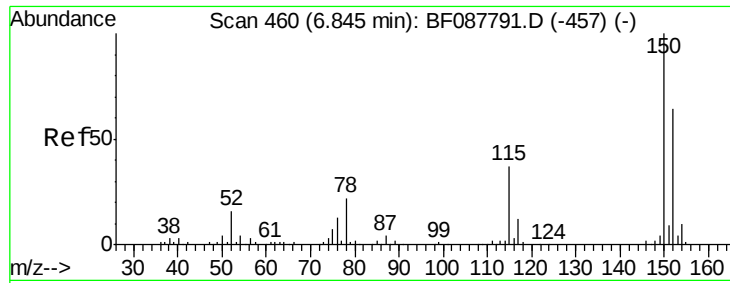
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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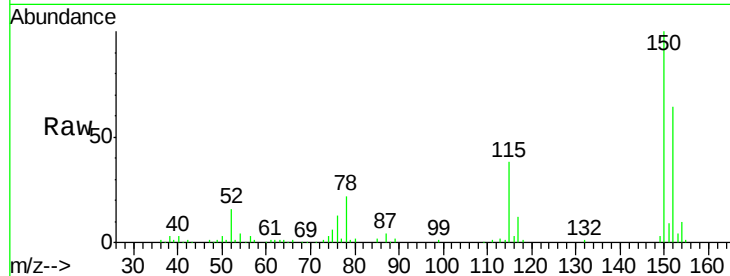


#1

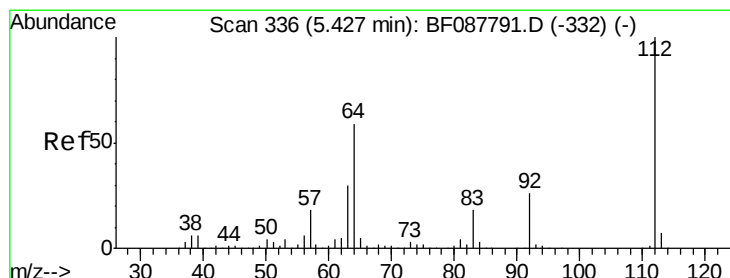
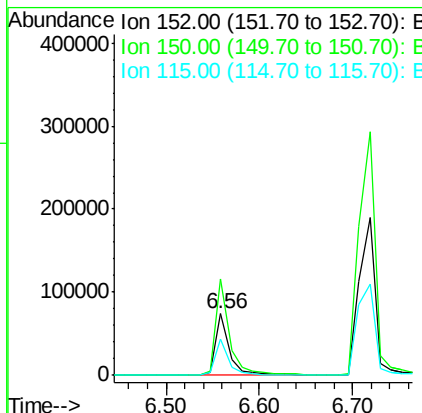
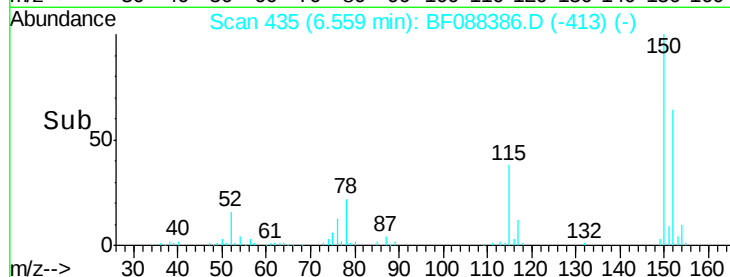
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF088386.D
Acq: 25 Jun 2016 19:39

Instrument :
BNA_F
ClientSampleId :
SC-STA-1511(0-4)

Tot Ion:152 Resp: 78286
Ion Ratio Lower Upper
152 100
150 156.7 123.8 185.6
115 58.9 39.6 59.4



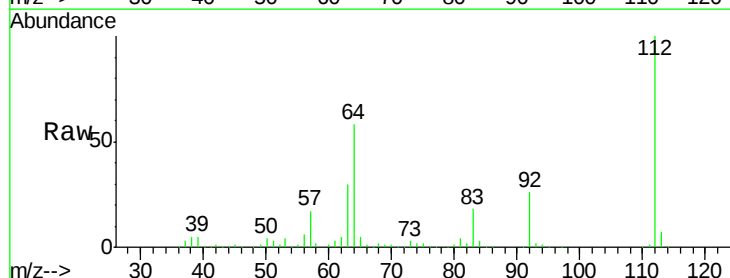
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



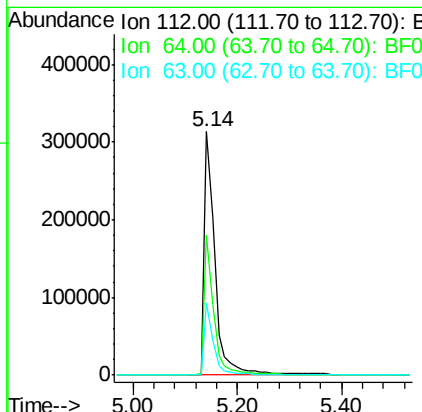
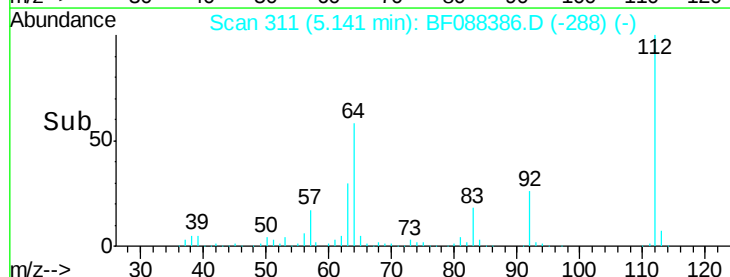
#5

2-Fluorophenol
Concen: 100.10 ng
RT: 5.14 min Scan# 311
Delta R.T. -0.03 min
Lab File: BF088386.D
Acq: 25 Jun 2016 19:39

Tgt Ion:112 Resp: 458384
Ion Ratio Lower Upper
112 100
64 57.7 42.2 63.2
63 29.7 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: 106.91 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

Instrument :

BNA_F

ClientSampleId :

SC-STA-1511(0-4)

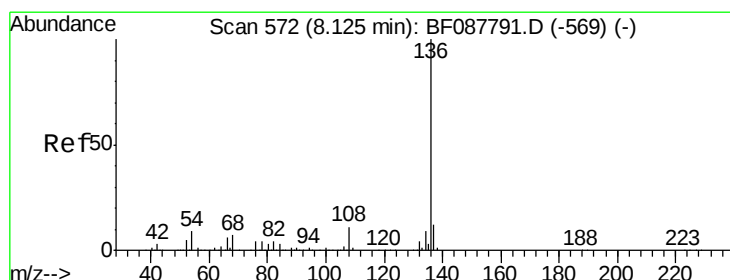
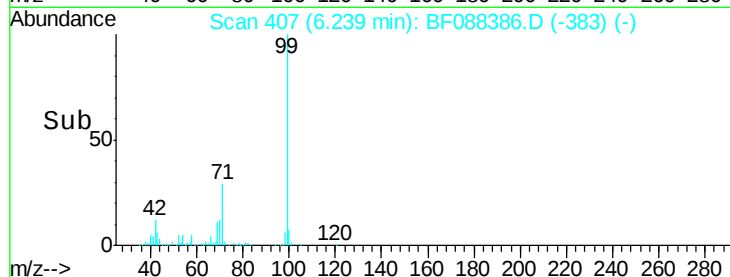
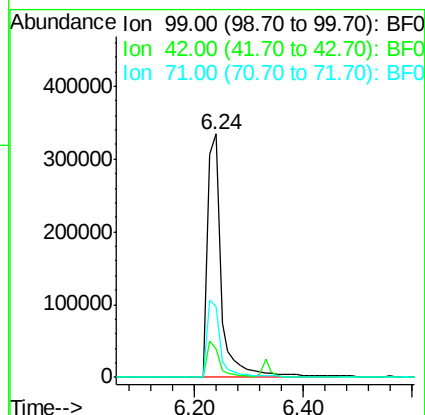
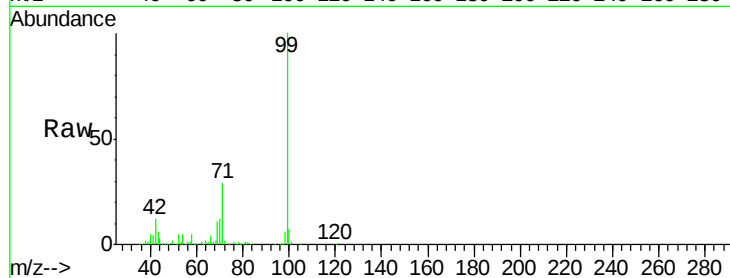
Tot Ion: 99 Resp: 593306

Ion Ratio Lower Upper

99 100

42 11.7 12.2 18.2#

71 29.1 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: BF088386.D

Acq: 25 Jun 2016 19:39

Tgt Ion: 136 Resp: 304339

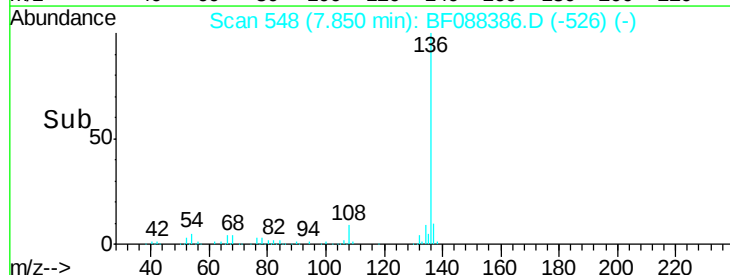
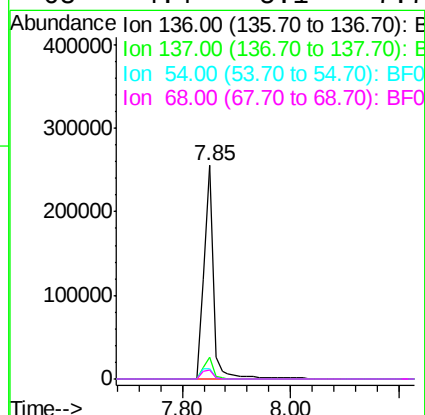
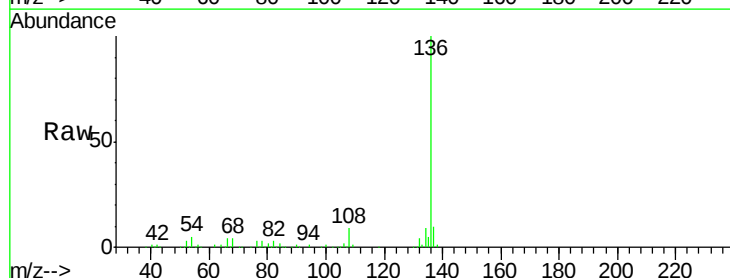
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 4.9 6.6 10.0#

68 4.4 5.1 7.7#

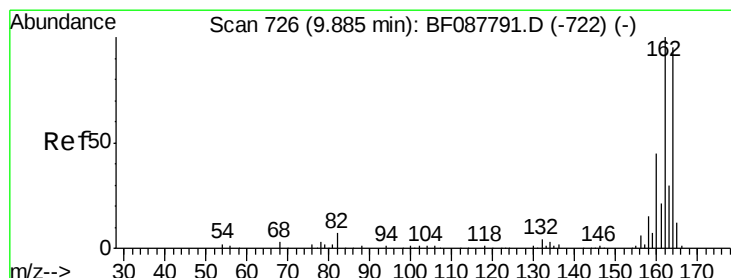
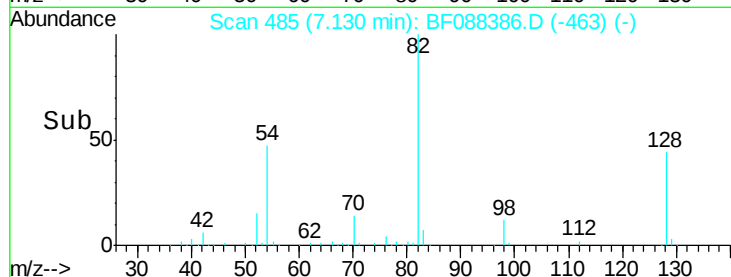
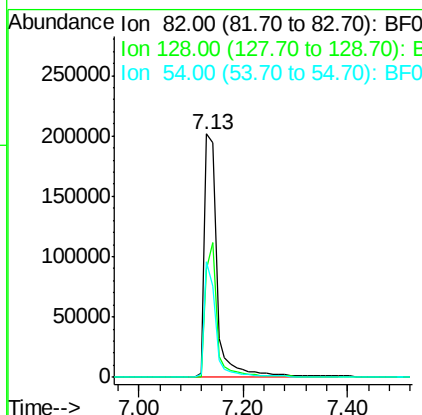
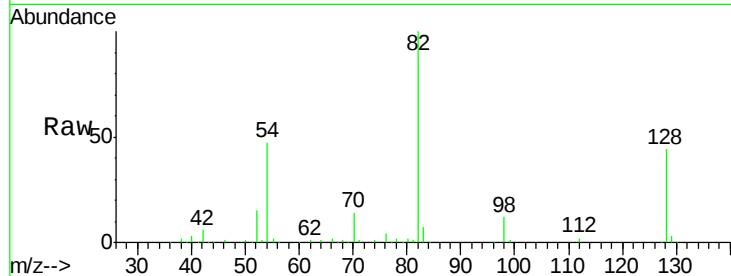




#23
 Nitrobenzene-d5
 Concen: 66.71 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.05 min
 Lab File: BF088386.D
 Acq: 25 Jun 2016 19:39

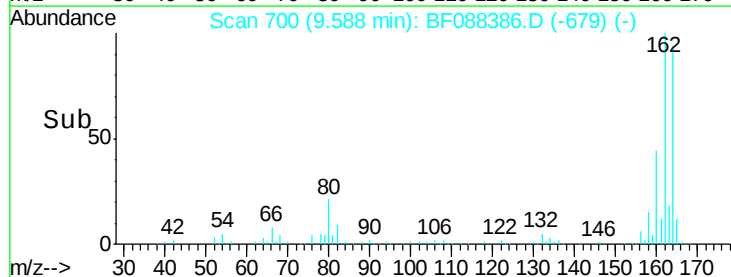
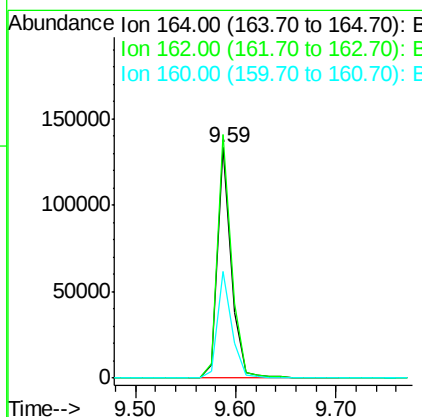
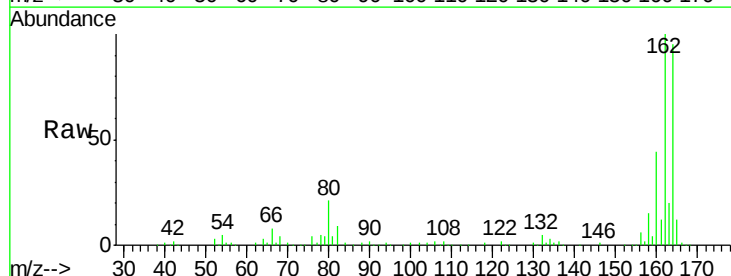
Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1511(0-4)

Tot Ion: 82 Resp: 347678
 Ion Ratio Lower Upper
 82 100
 128 44.3 35.9 53.9
 54 47.3 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: BF088386.D
 Acq: 25 Jun 2016 19:39

Tgt Ion:164 Resp: 127726
 Ion Ratio Lower Upper
 164 100
 162 105.5 85.4 128.2
 160 46.4 39.5 59.3

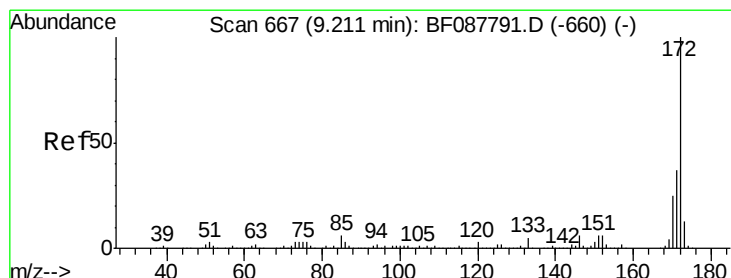
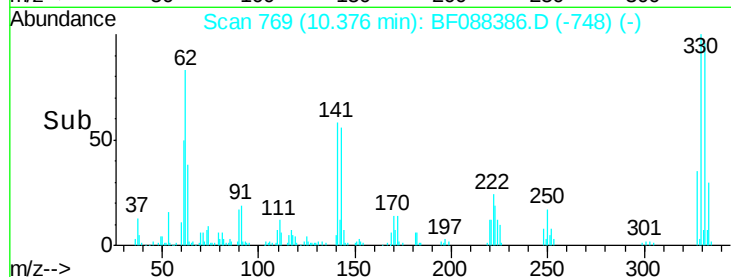
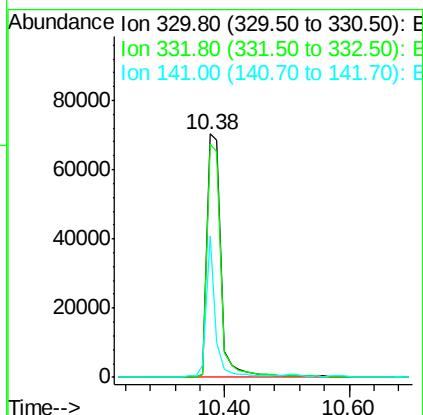
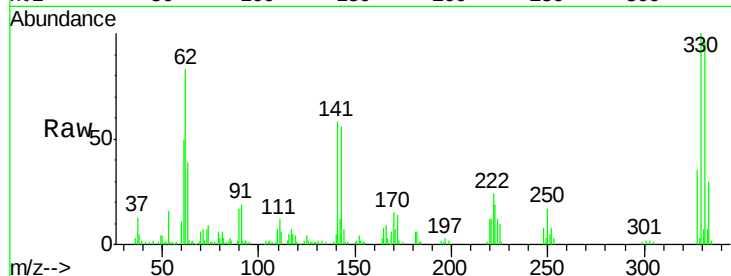




#41
 2,4,6-Tribromophenol
 Concen: 81.95 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.06 min
 Lab File: BF088386.D
 Acq: 25 Jun 2016 19:39

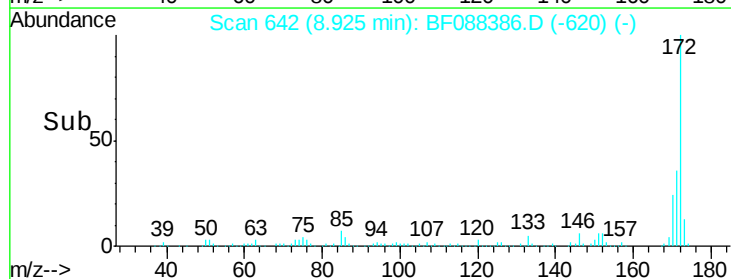
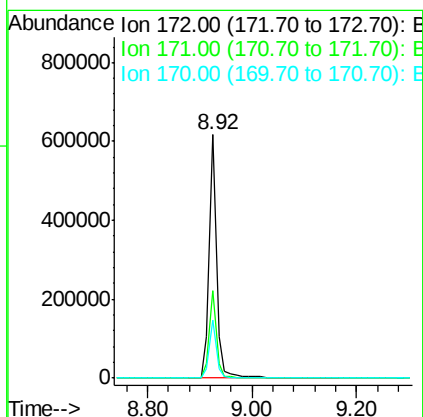
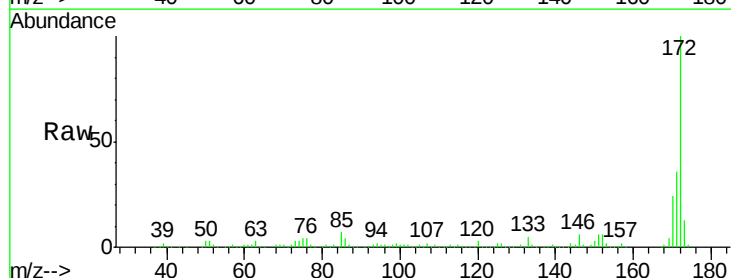
Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1511(0-4)

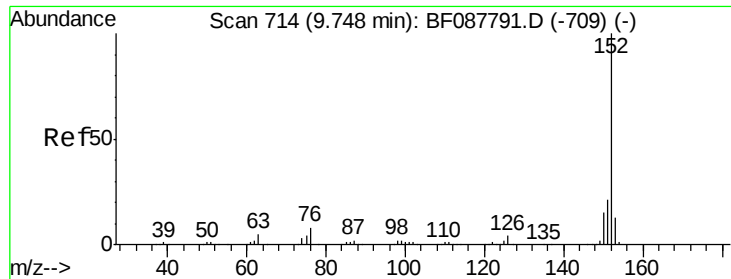
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	0.0	0.0#
141	38.8	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 74.73 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088386.D
 Acq: 25 Jun 2016 19:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.9	19.2	28.8





#48

Acenaphthylene

Concen: 3.38 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.06 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

Instrument :

BNA_F

ClientSampleId :

SC-STA-1511(0-4)

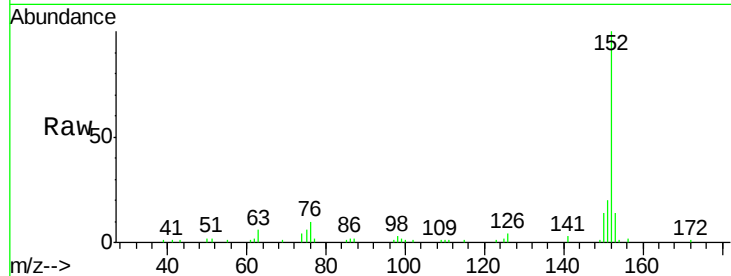
Tot Ion:152 Resp: 44393

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

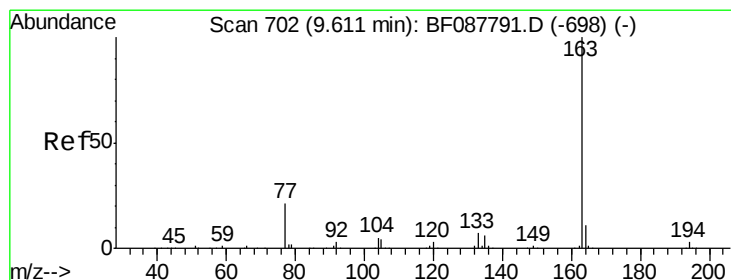
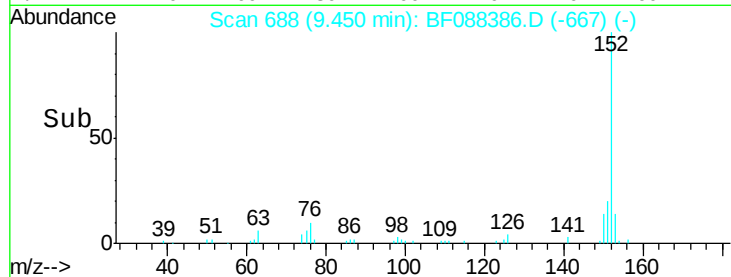
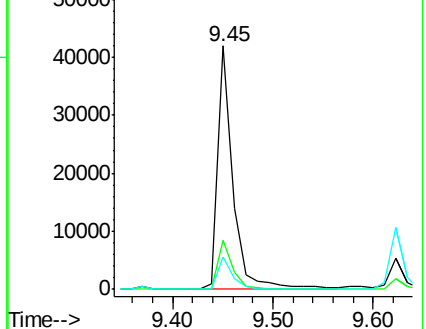
153 13.6 11.0 16.6



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



#49

Dimethylphthalate

Concen: 10.90 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

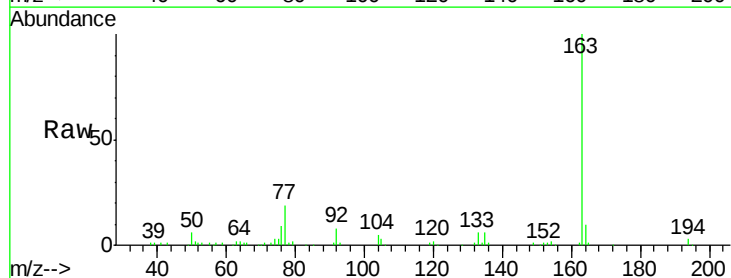
Tgt Ion:163 Resp: 100853

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

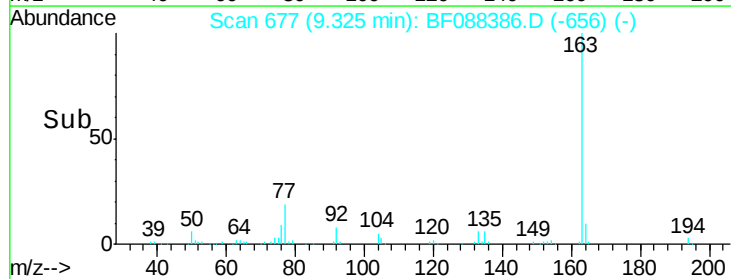
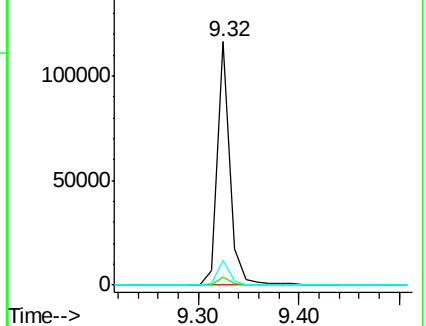
164 10.0 8.3 12.5

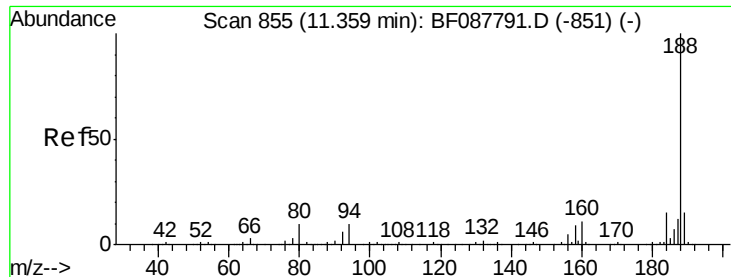


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

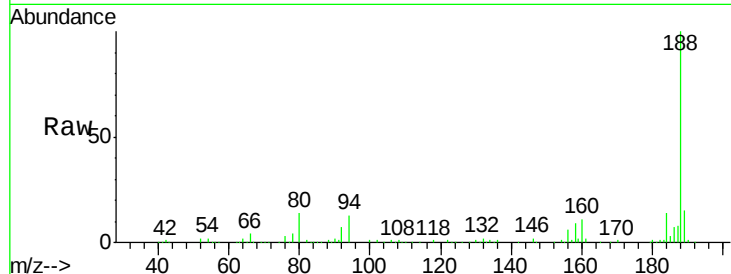




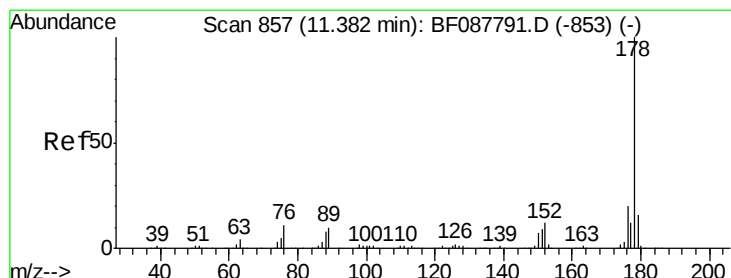
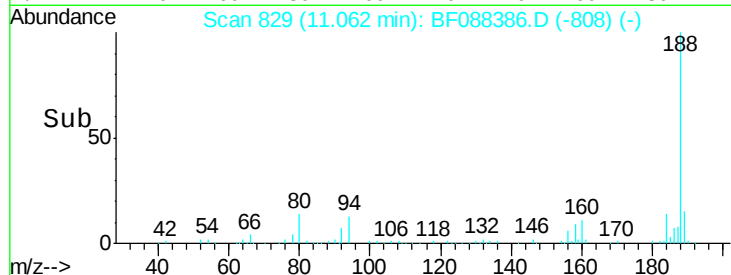
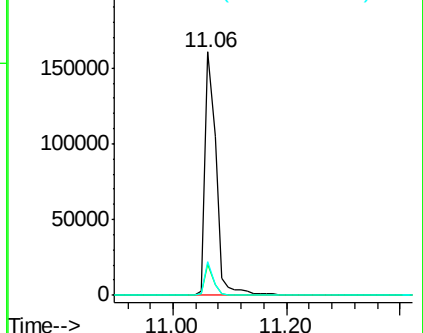
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088386.D
Acq: 25 Jun 2016 19:39

Instrument :
BNA_F
ClientSampleId :
SC-STA-1511(0-4)

Tot Ion:188 Resp: 207222
Ion Ratio Lower Upper
188 100
94 12.6 9.0 13.6
80 13.7 10.0 15.0

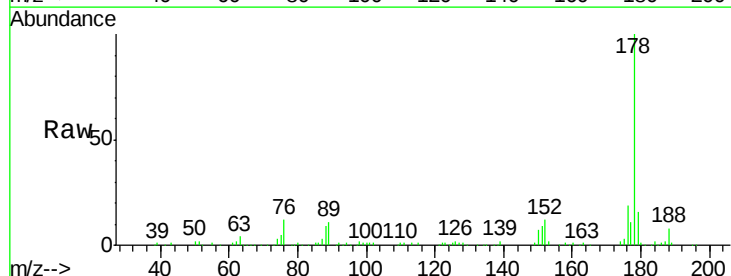


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

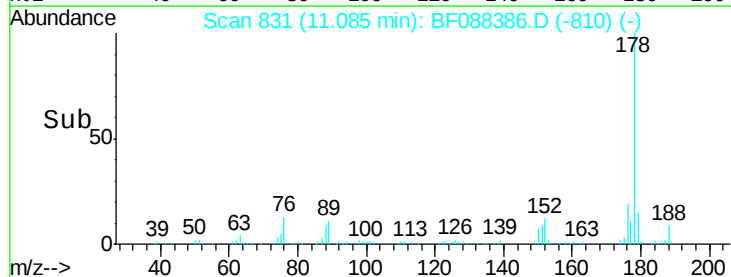
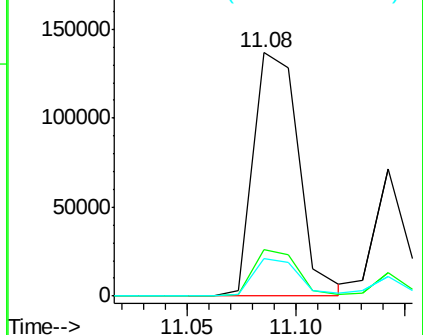


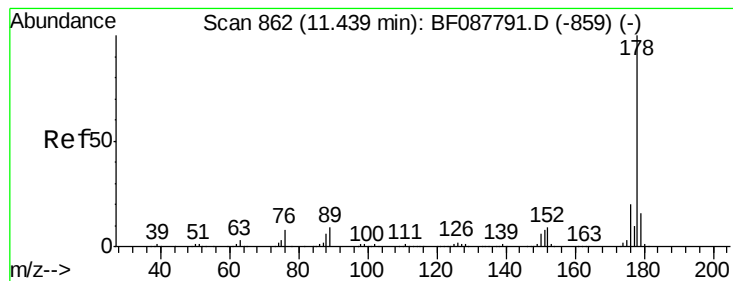
#70
Phenanthrene
Concen: 18.31 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.06 min
Lab File: BF088386.D
Acq: 25 Jun 2016 19:39

Tgt Ion:178 Resp: 199096
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.7 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: 7.75 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.06 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

Instrument :

BNA_F

ClientSampleId :

SC-STA-1511(0-4)

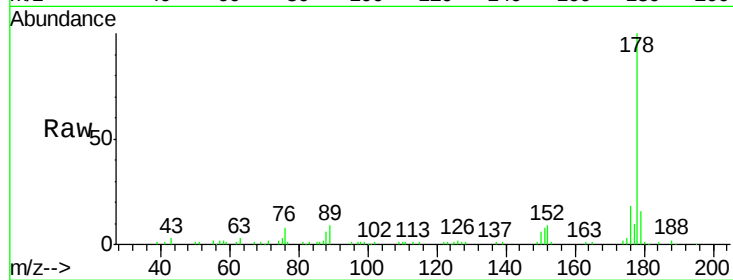
Tot Ion:178 Resp: 85005

Ion Ratio Lower Upper

178 100

176 18.4 15.6 23.4

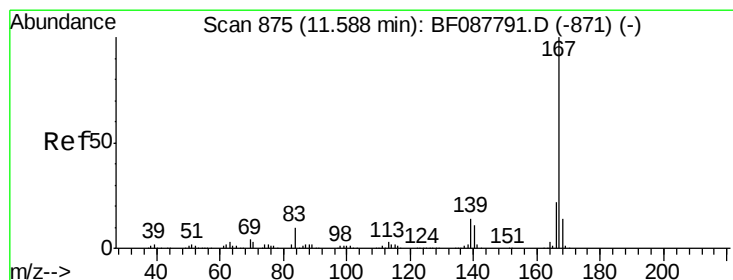
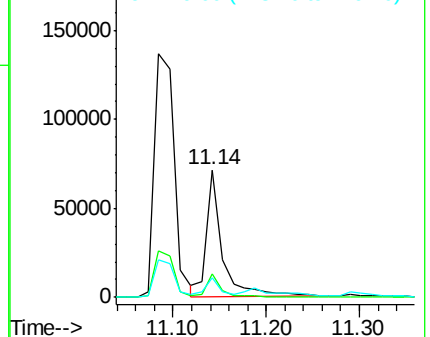
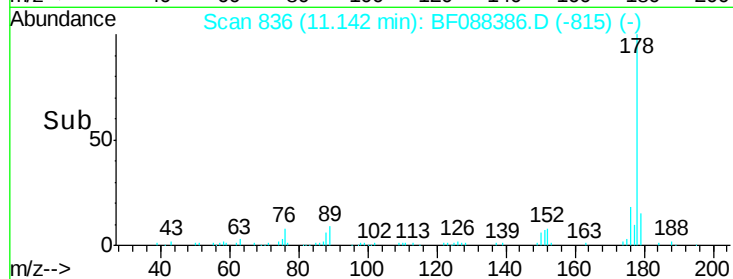
179 15.6 12.8 19.2



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



#72

Carbazole

Concen: 2.51 ng

RT: 11.31 min Scan# 851

Delta R.T. -0.05 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

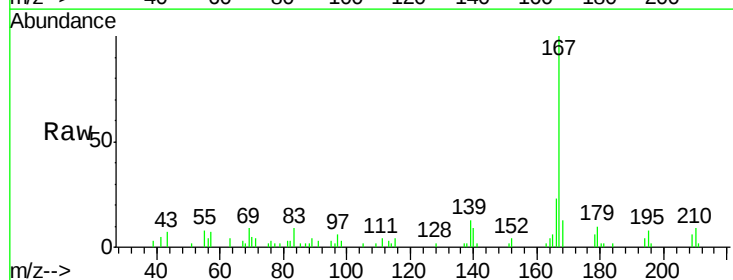
Tgt Ion:167 Resp: 25736

Ion Ratio Lower Upper

167 100

166 23.4 17.8 26.6

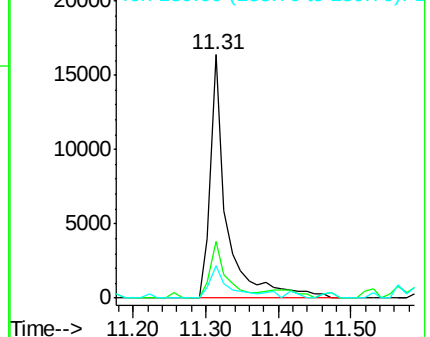
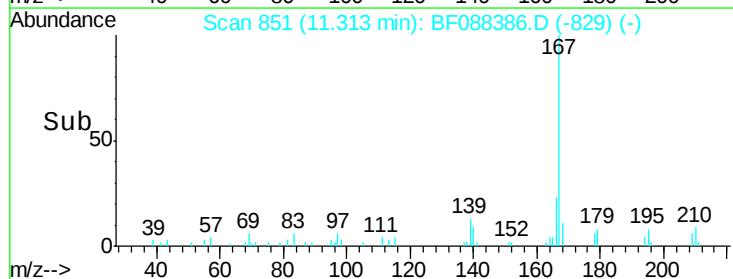
139 13.1 11.2 16.8

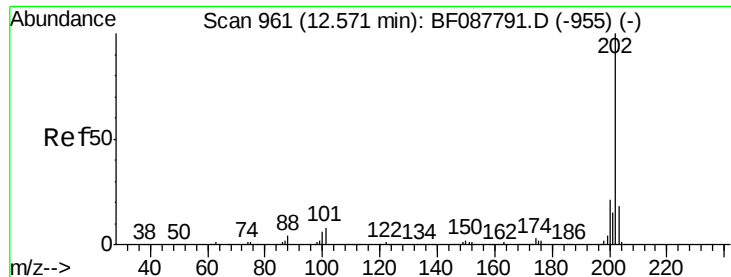


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 46.61 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

Instrument :

BNA_F

ClientSampleId :

SC-STA-1511(0-4)

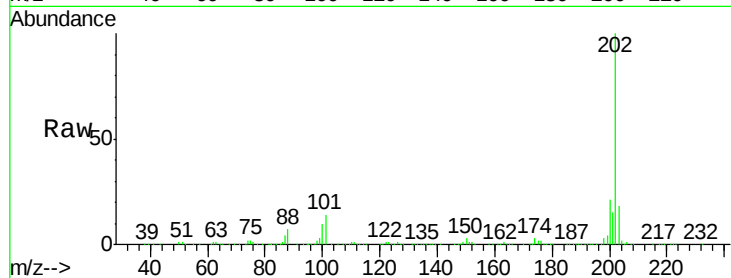
Tot Ion:202 Resp: 534923

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.1

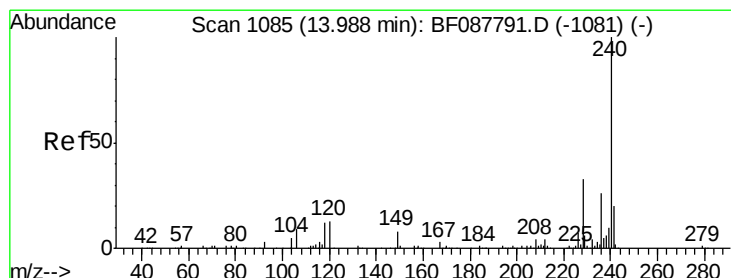
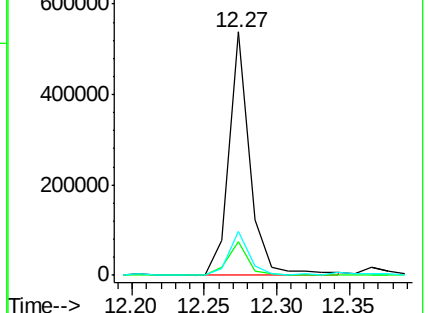
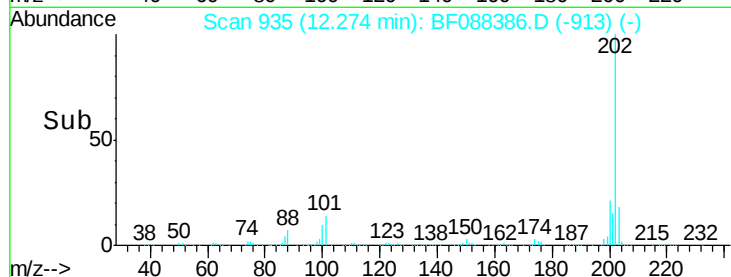
203 17.8 0.0 38.1



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: BF088386.D

Acq: 25 Jun 2016 19:39

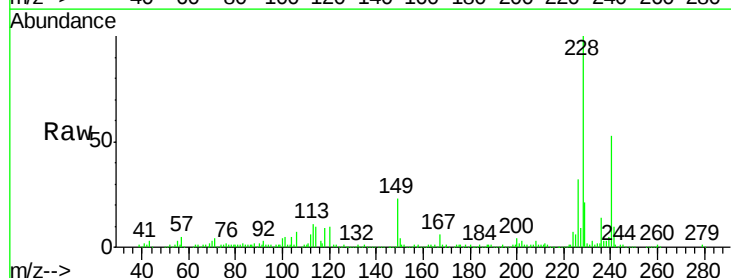
Tgt Ion:240 Resp: 156490

Ion Ratio Lower Upper

240 100

120 19.1 6.8 10.2#

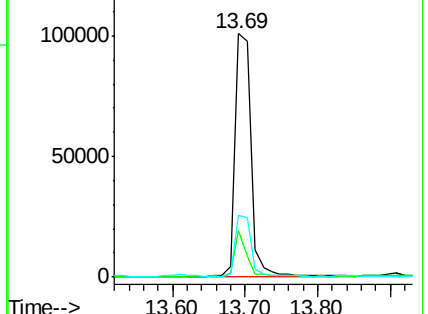
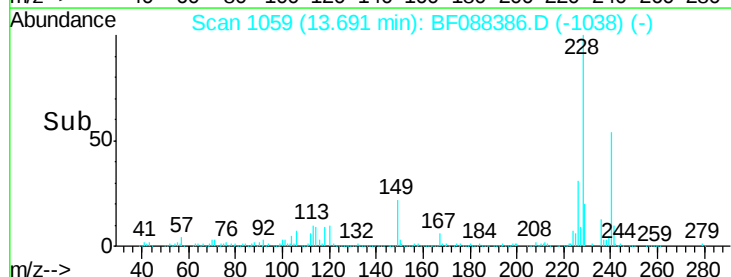
236 25.6 20.2 30.2

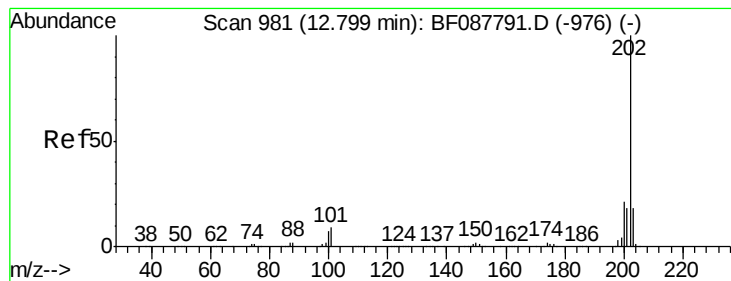


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 46.00 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.05 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

Instrument :

BNA_F

ClientSampleId :

SC-STA-1511(0-4)

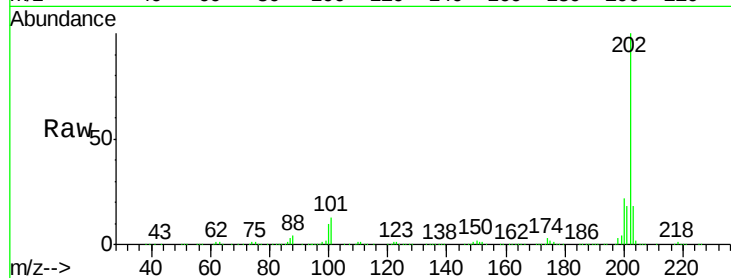
Tot Ion:202 Resp: 534192

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

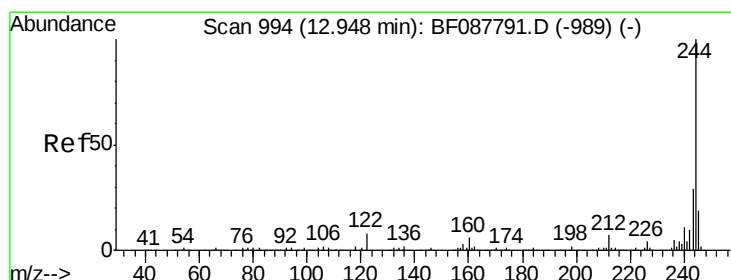
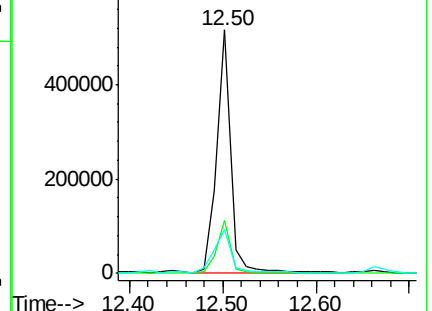
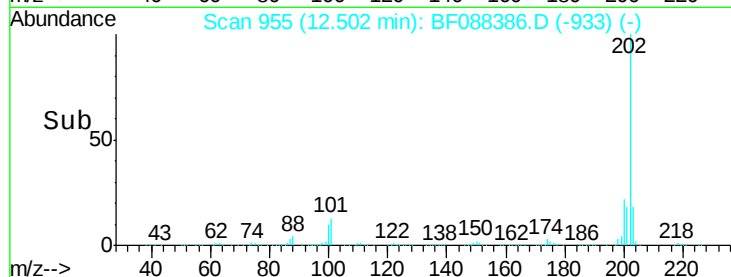
203 18.2 14.5 21.7



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: 64.32 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.05 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

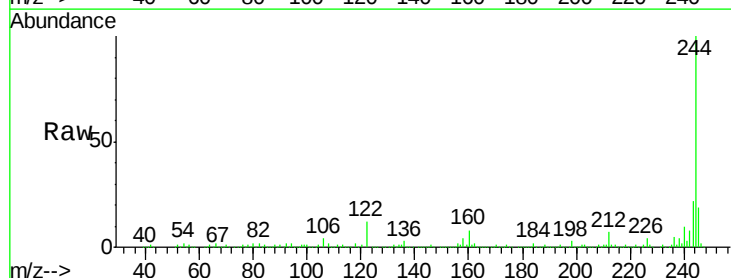
Tgt Ion:244 Resp: 442317

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

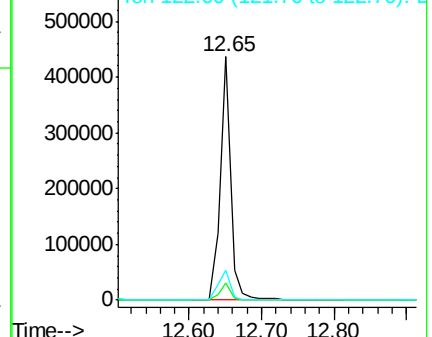
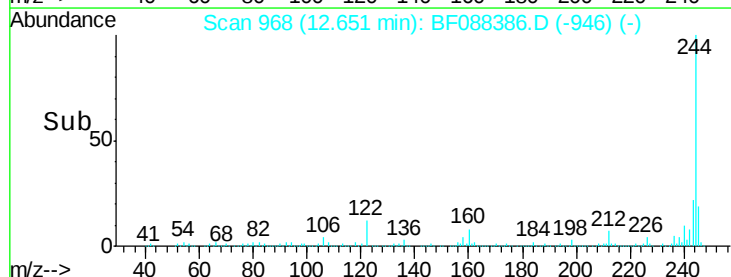
122 12.0 11.2 16.8

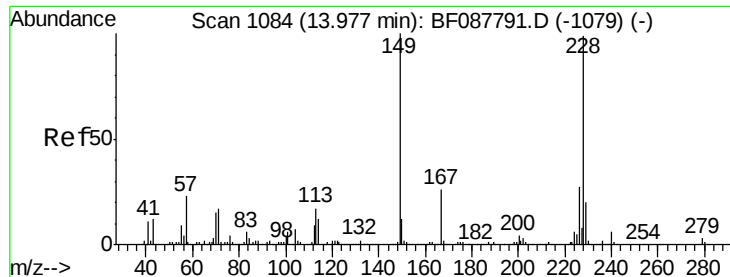


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 31.99 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.05 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

Instrument :

BNA_F

ClientSampleId :

SC-STA-1511(0-4)

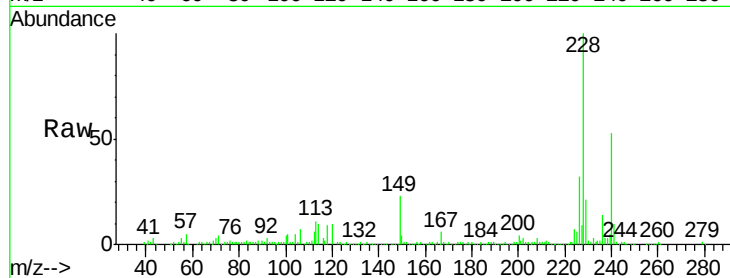
Tot Ion:228 Resp: 285284

Ion Ratio Lower Upper

228 100

226 31.6 22.3 33.5

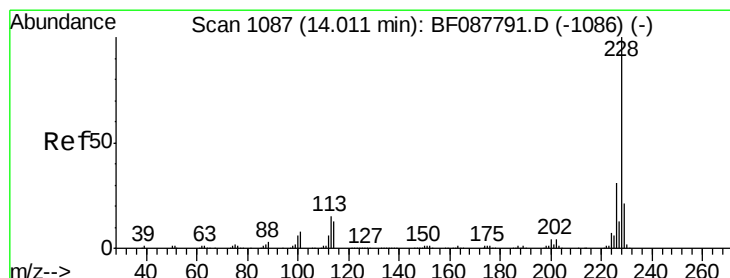
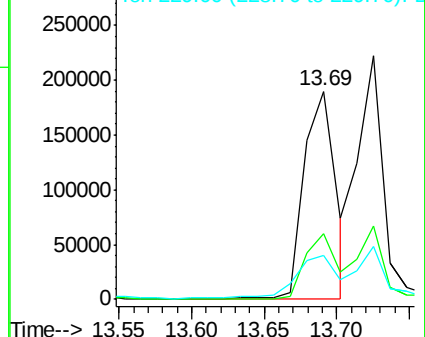
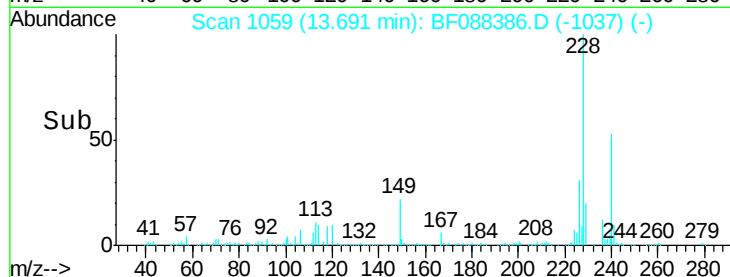
229 21.3 16.0 24.0



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: 33.07 ng m

RT: 13.73 min Scan# 1062

Delta R.T. -0.05 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

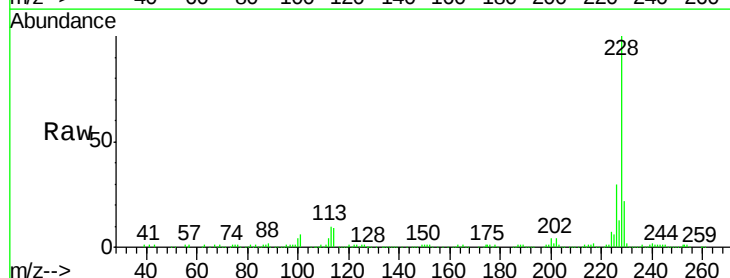
Tgt Ion:228 Resp: 277445

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.2

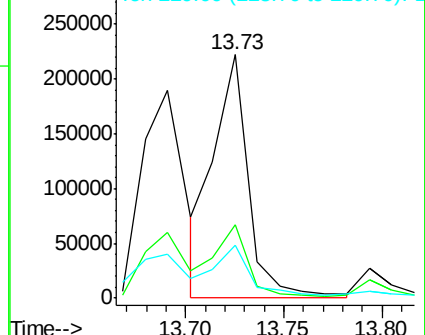
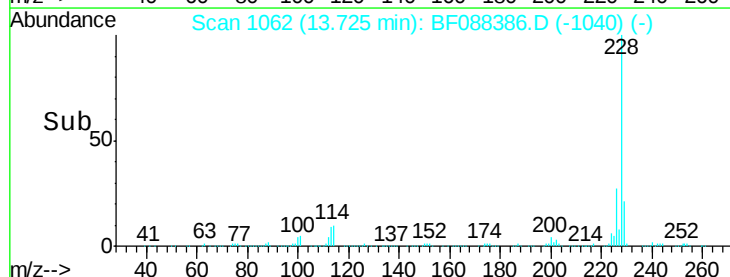
229 21.5 16.3 24.5

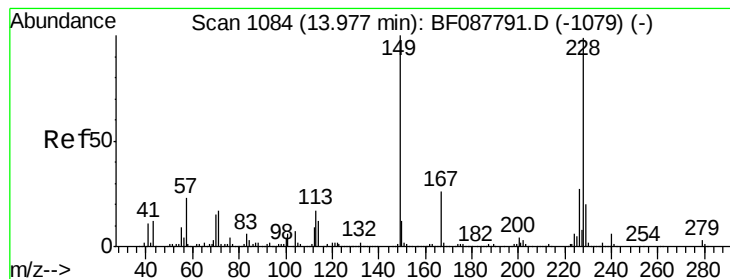


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.72 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.05 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

Instrument :

BNA_F

ClientSampleId :

SC-STA-1511(0-4)

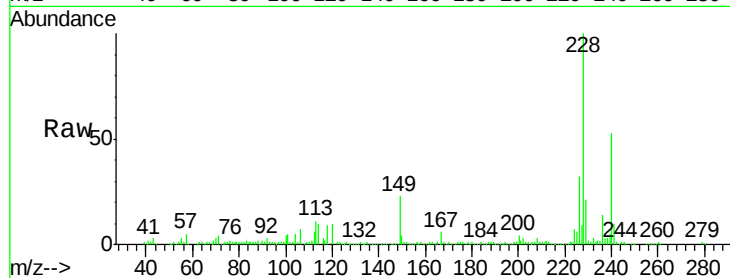
Tot Ion:149 Resp: 42029

Ion Ratio Lower Upper

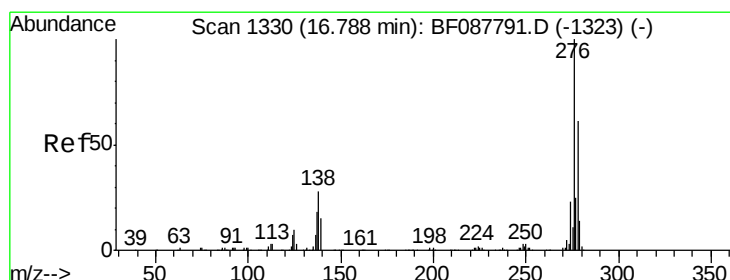
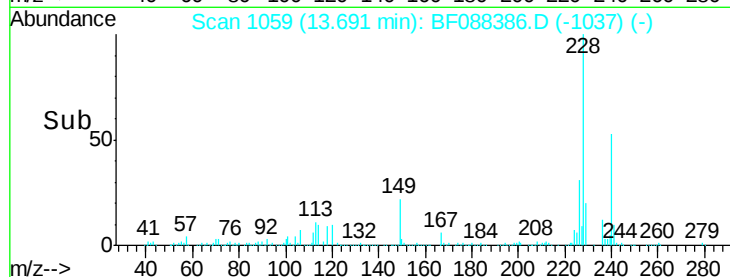
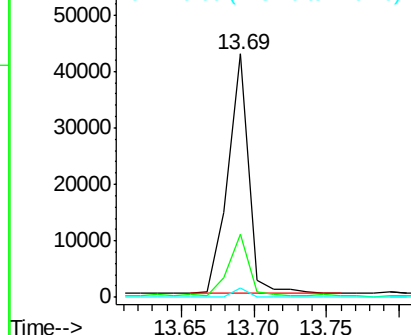
149 100

167 25.9 20.5 30.7

279 3.7 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 14.03 ng

RT: 16.29 min Scan# 1286

Delta R.T. -0.08 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

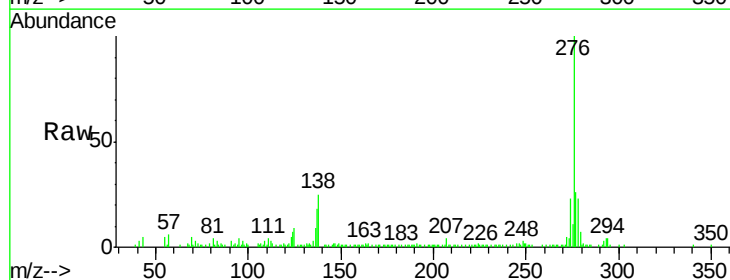
Tgt Ion:276 Resp: 109327

Ion Ratio Lower Upper

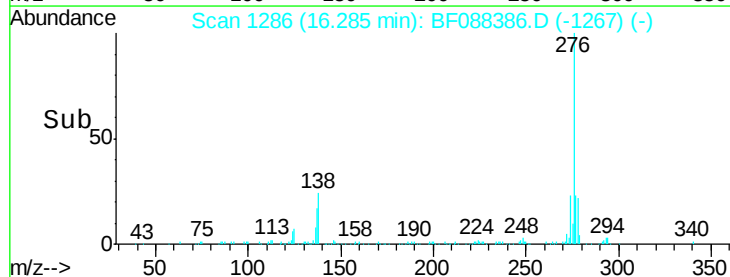
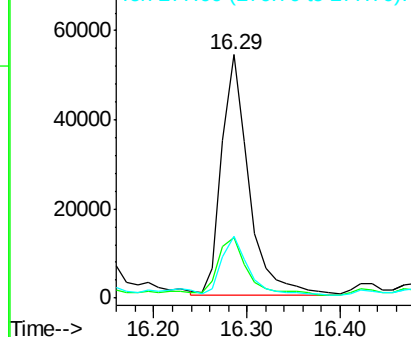
276 100

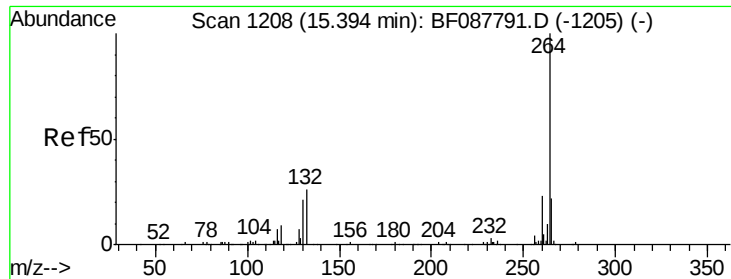
138 26.4 0.0 0.0#

277 23.8 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



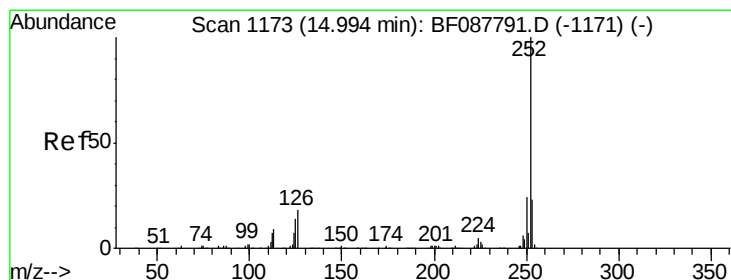
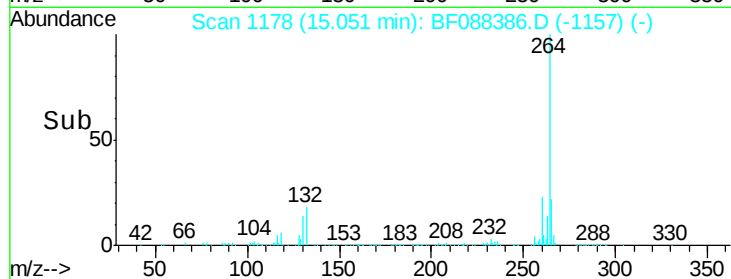
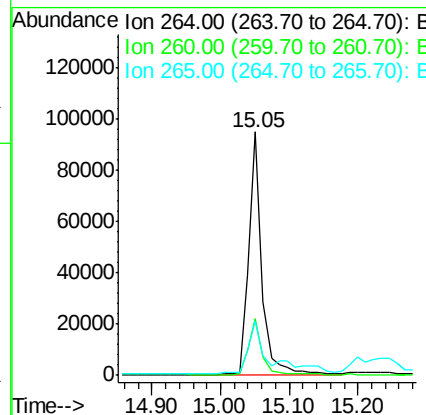
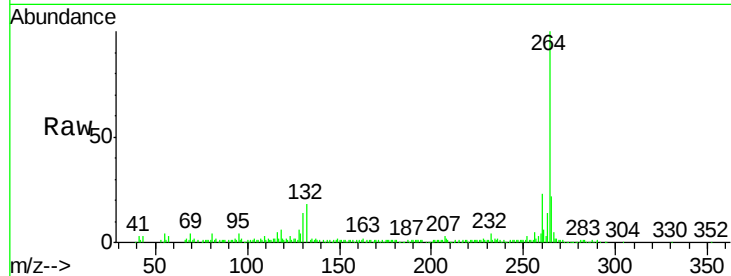


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF088386.D
Acq: 25 Jun 2016 19:39

Instrument :
BNA_F
ClientSampleId :
SC-STA-1511(0-4)

Tot Ion:264 Resp: 128176

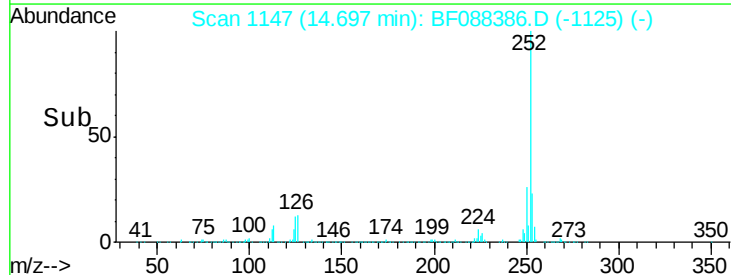
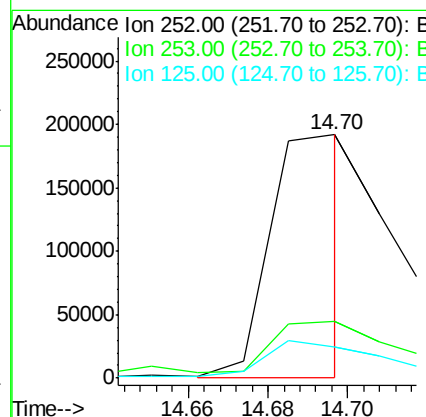
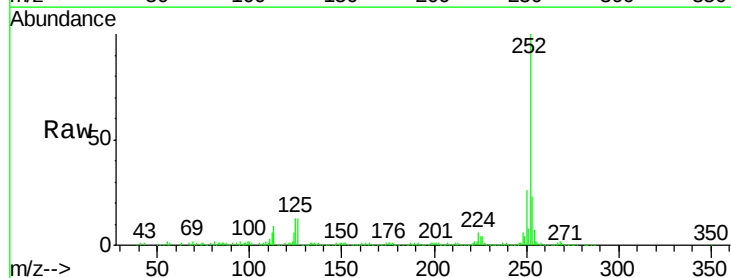
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.2	16.9	25.3

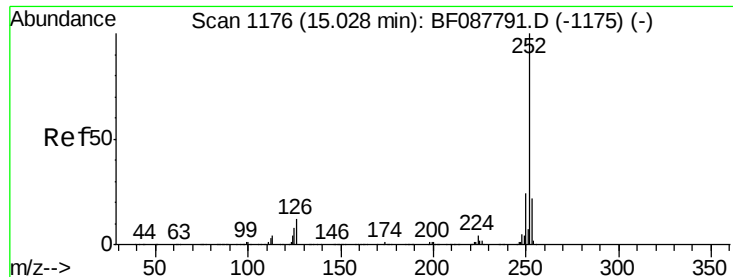


#87
Benzo(b)fluoranthene
Concen: 30.12 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF088386.D
Acq: 25 Jun 2016 19:39

Tgt Ion:252 Resp: 269098

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	12.7	7.1	10.7#

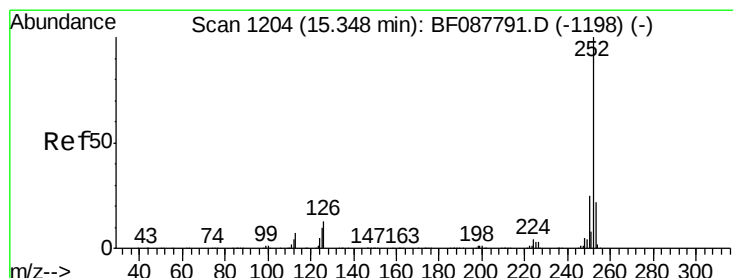
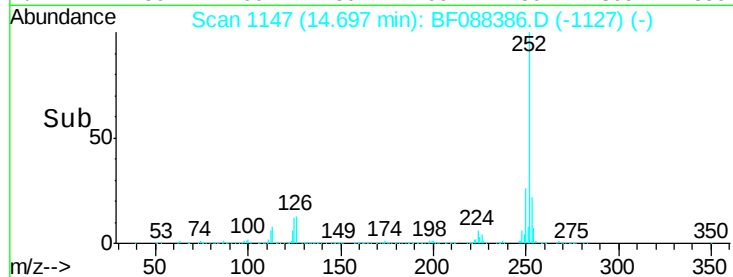
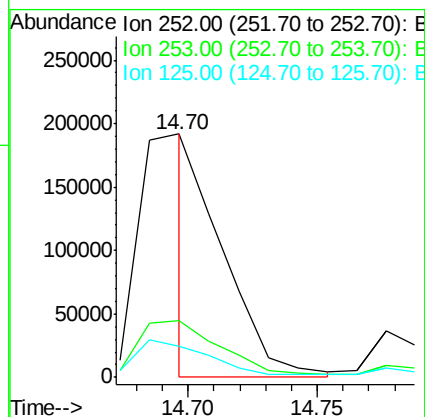
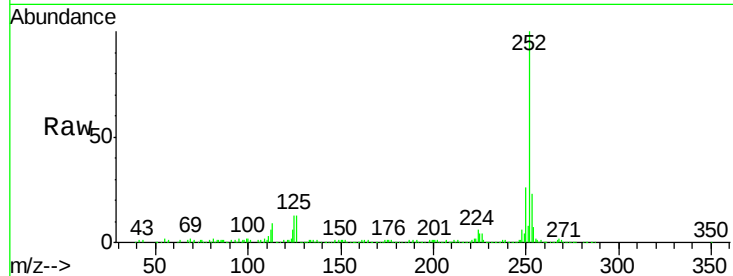




#88
Benzo(k)fluoranthene
Concen: 22.85 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.07 min
Lab File: BF088386.D
Acq: 25 Jun 2016 19:39

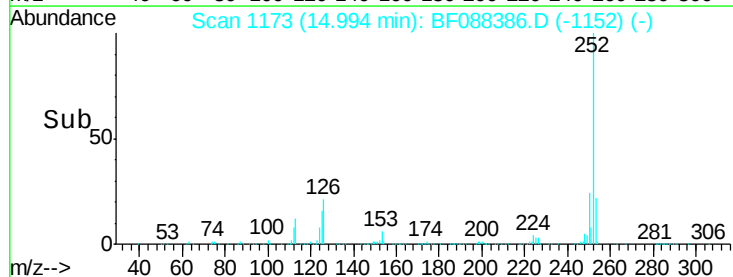
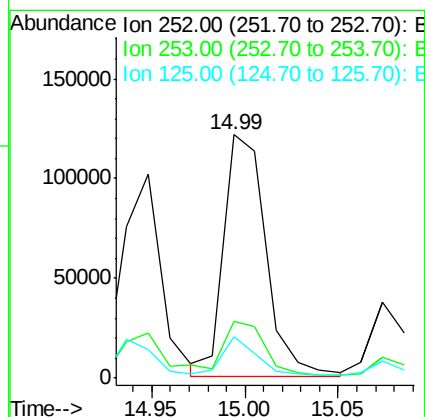
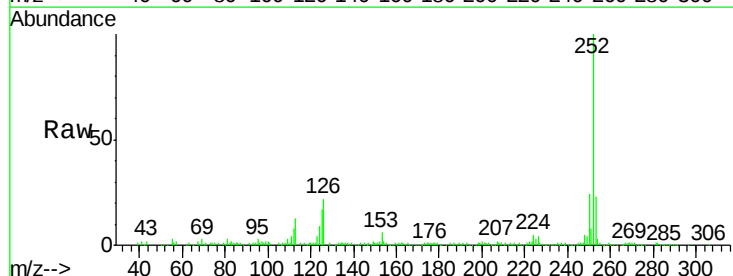
Instrument :
BNA_F
ClientSampleId :
SC-STA-1511(0-4)

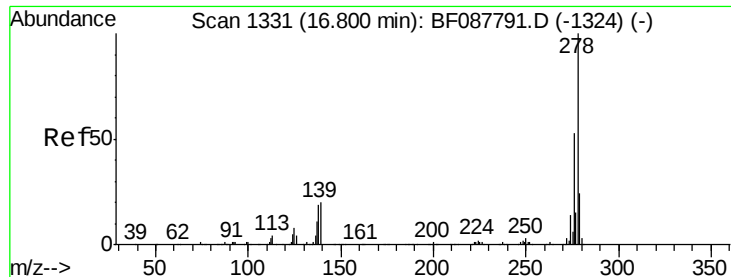
Tot Ion:252 Resp: 153961
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 12.7 11.2 16.8



#89
Benzo(a)pyrene
Concen: 26.39 ng
RT: 14.99 min Scan# 1173
Delta R.T. -0.06 min
Lab File: BF088386.D
Acq: 25 Jun 2016 19:39

Tgt Ion:252 Resp: 190728
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 17.2 12.5 18.7





#90

Dibenzo(a,h)anthracene

Concen: 3.43 ng/mL

RT: 16.29 min Scan# 1286

Delta R.T. -0.08 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

Instrument :

BNA_F

ClientSampleId :

SC-STA-1511(0-4)

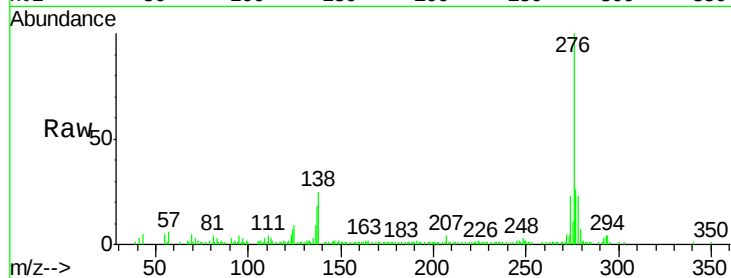
Tot Ion: 278 Resp: 22997

Ion Ratio Lower Upper

278 100

139 0.0 15.7 23.5#

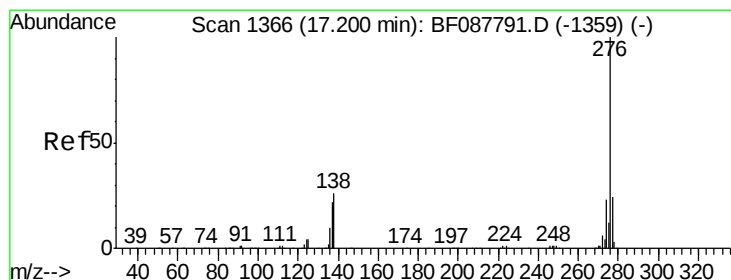
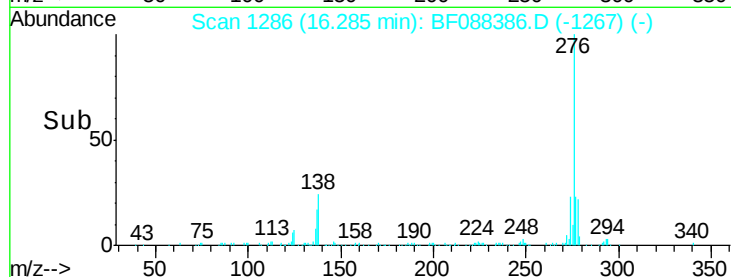
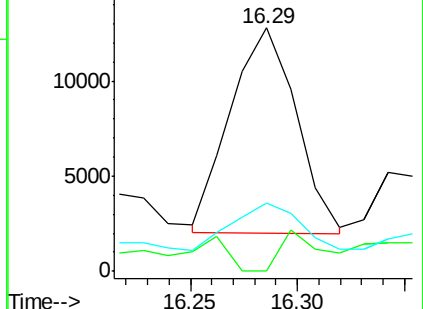
279 28.1 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 14.19 ng/mL

RT: 16.65 min Scan# 1318

Delta R.T. -0.09 min

Lab File: BF088386.D

Acq: 25 Jun 2016 19:39

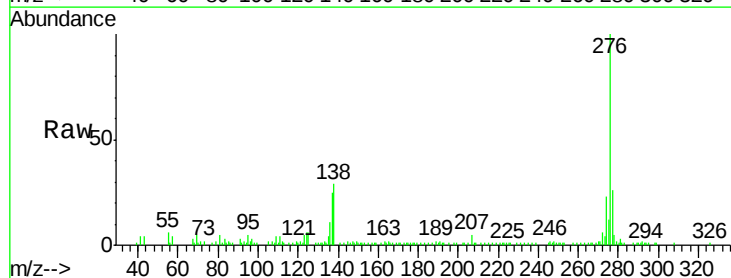
Tgt Ion: 276 Resp: 97982

Ion Ratio Lower Upper

276 100

277 25.8 18.9 28.3

138 28.8 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

