

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088385.D
 Acq On : 25 Jun 2016 19:10
 Operator : UM/SJ
 Sample : H3622-13
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1461(0-4)

Quant Time: Jun 26 03:33:52 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

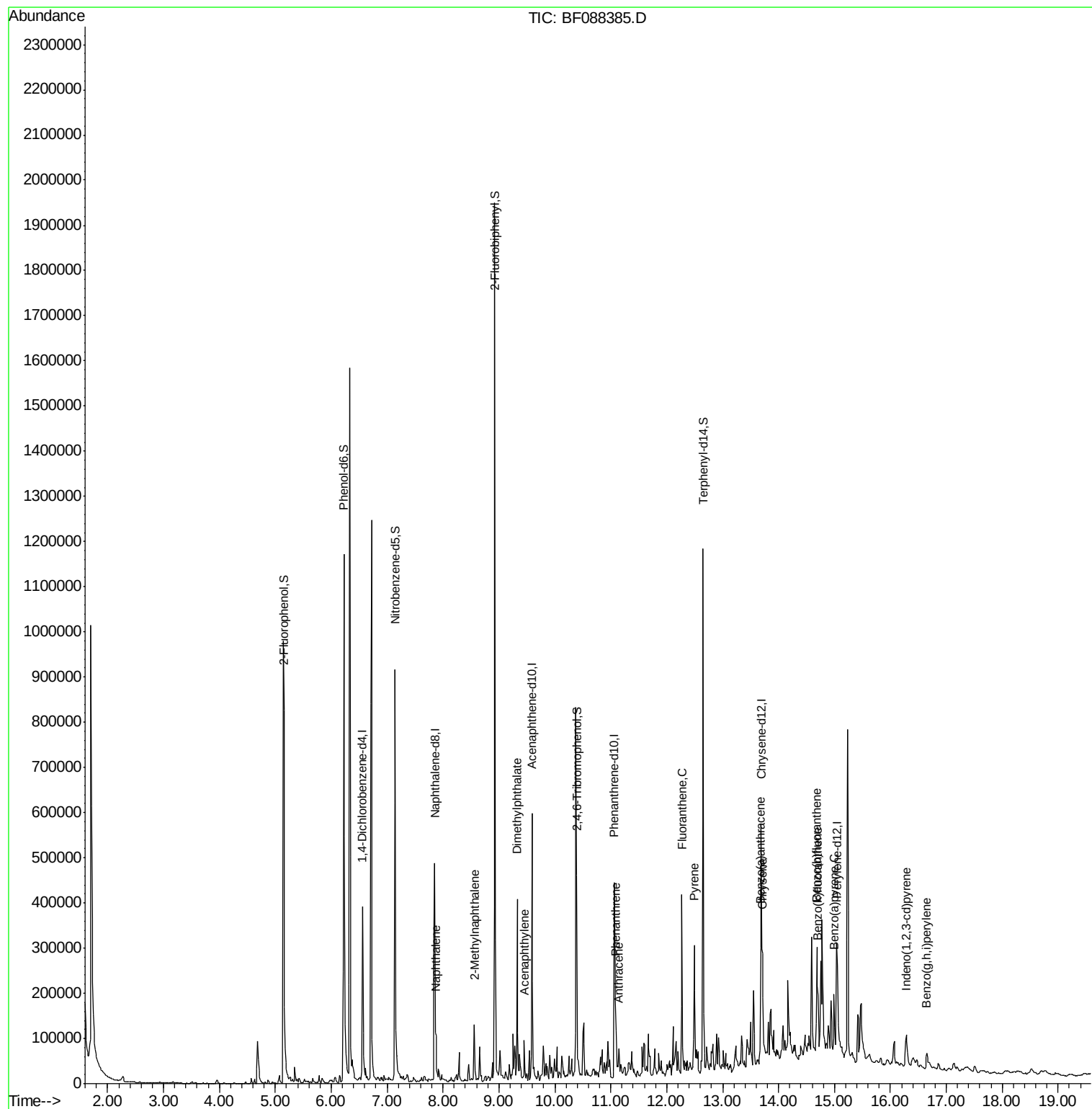
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	75861	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	291382	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	124659	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	205305	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	159162	20.00	ng	-0.06
86) Perylene-d12	15.04	264	131758	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	501973	113.12	ng	-0.02
7) Phenol-d6	6.23	99	629448	117.04	ng	-0.03
23) Nitrobenzene-d5	7.14	82	463880	92.96	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	127290	96.71	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	666232	83.88	ng	-0.05
78) Terphenyl-d14	12.65	244	436592	62.42	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	7.87	128	61510	4.27	ng	99
37) 2-Methylnaphthalene	8.56	142	38952	4.10	ng	97
48) Acenaphthylene	9.45	152	33286	2.59	ng	98
49) Dimethylphthalate	9.32	163	153185	16.96	ng	99
70) Phenanthrene	11.08	178	73352	6.81	ng	99
71) Anthracene	11.14	178	25718	2.37	ng	98
74) Fluoranthene	12.27	202	177164	15.58	ng	96
77) Pyrene	12.49	202	148738	12.59	ng	98
80) Benzo(a)anthracene	13.68	228	105713	11.66	ng	95
82) Chrysene	13.71	228	92268m	10.81	ng	
85) Indeno(1,2,3-cd)pyrene	16.29	276	37222	4.70	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	113628m	12.37	ng	
88) Benzo(k)fluoranthene	14.70	252	51615m	7.45	ng	
89) Benzo(a)pyrene	14.99	252	63546	8.55	ng	97
91) Benzo(a,h,i)perylene	16.65	276	30972	4.36	ng	97

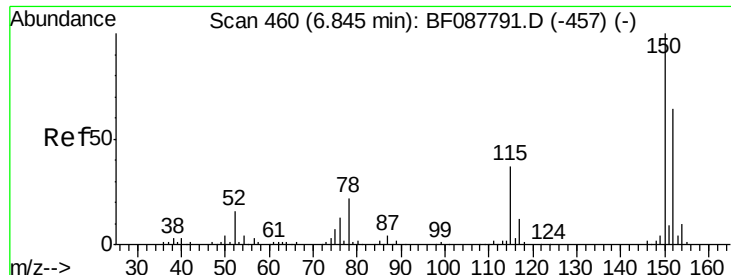
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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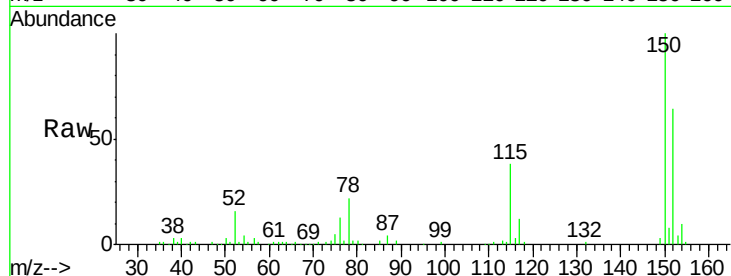




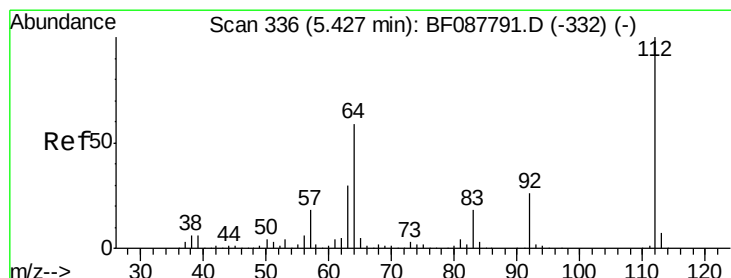
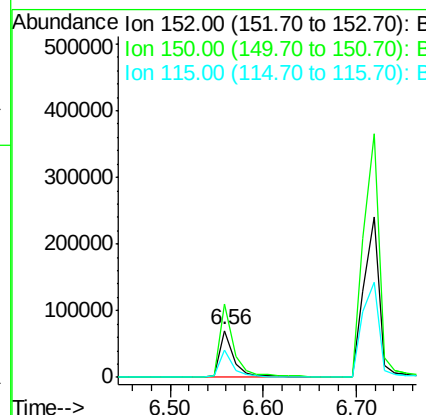
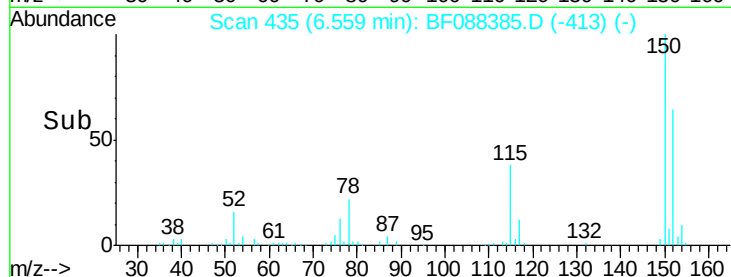
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.56 min Scan# 435
 Delta R.T. -0.05 min
 Lab File: BF088385.D
 Acq: 25 Jun 2016 19:10

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1461(0-4)

Tot Ion:152 Resp: 75861
 Ion Ratio Lower Upper
 152 100
 150 156.4 123.8 185.6
 115 58.7 39.6 59.4

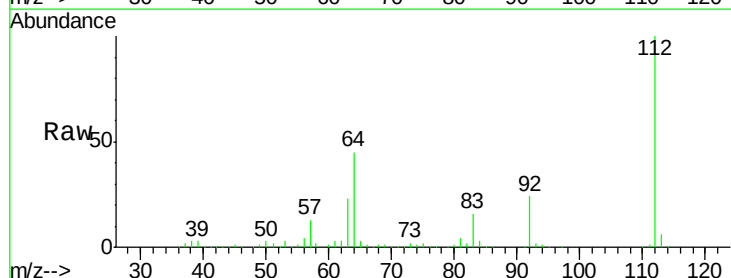


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

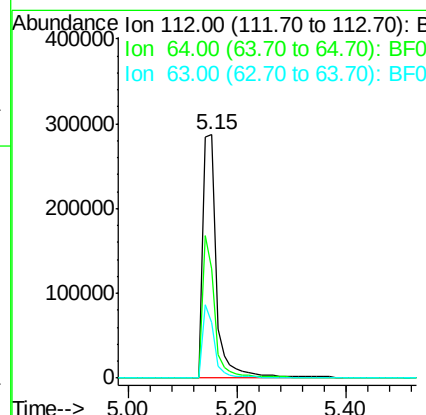
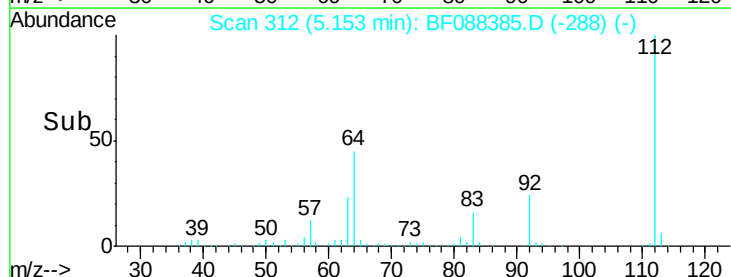


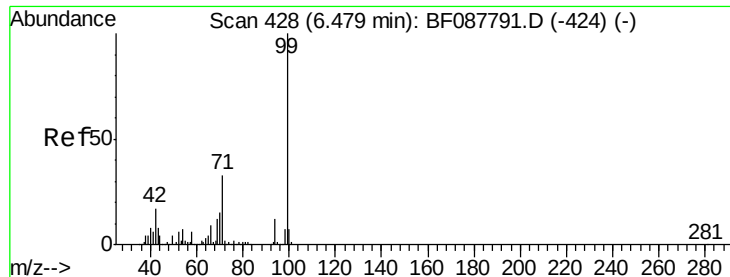
#5
 2-Fluorophenol
 Concen: 113.12 ng
 RT: 5.15 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: BF088385.D
 Acq: 25 Jun 2016 19:10

Tgt Ion:112 Resp: 501973
 Ion Ratio Lower Upper
 112 100
 64 44.9 42.2 63.2
 63 22.9 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: 117.04 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088385.D

Acq: 25 Jun 2016 19:10

Instrument :

BNA_F

ClientSampleId :

SC-STA-1461(0-4)

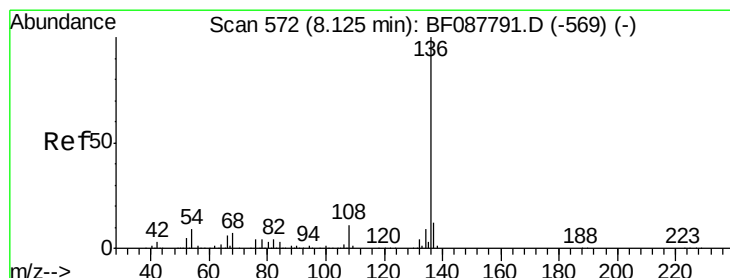
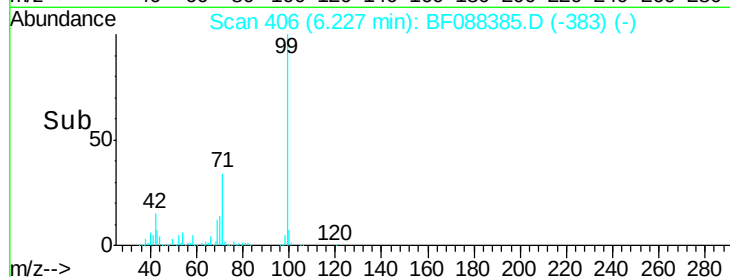
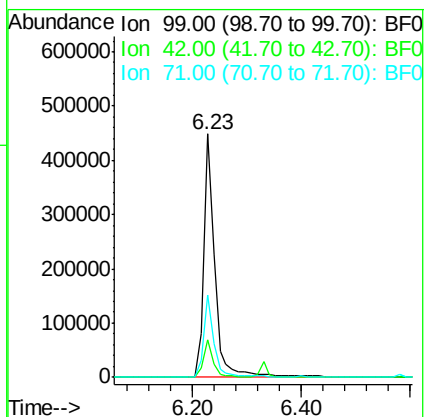
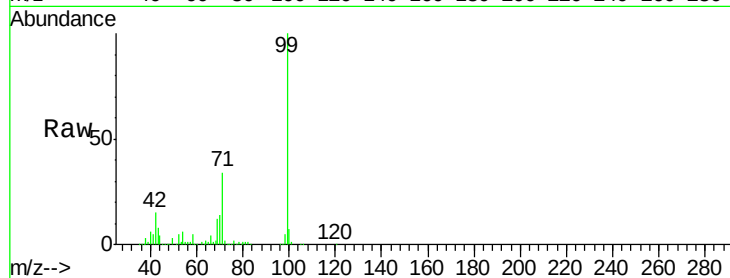
Tot Ion: 99 Resp: 629448

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

71 33.9 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: BF088385.D

Acq: 25 Jun 2016 19:10

Tgt Ion: 136 Resp: 291382

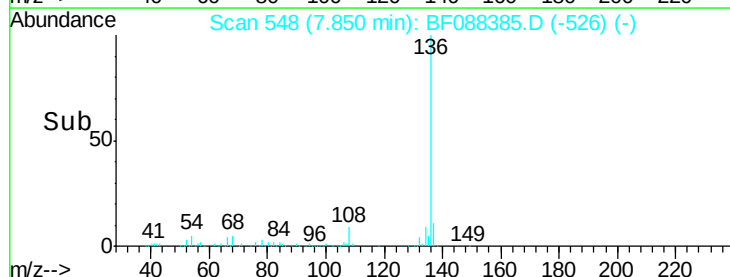
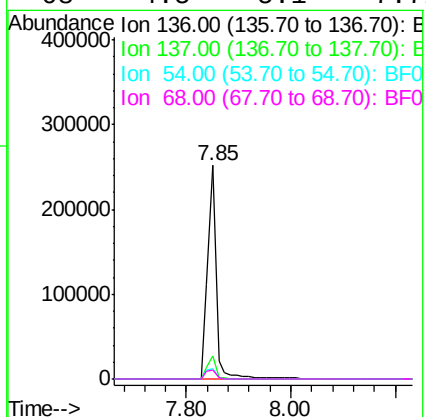
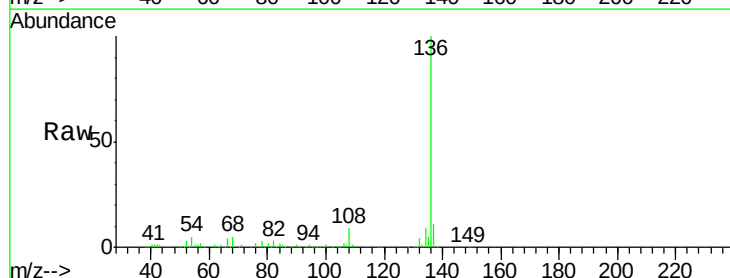
Ion Ratio Lower Upper

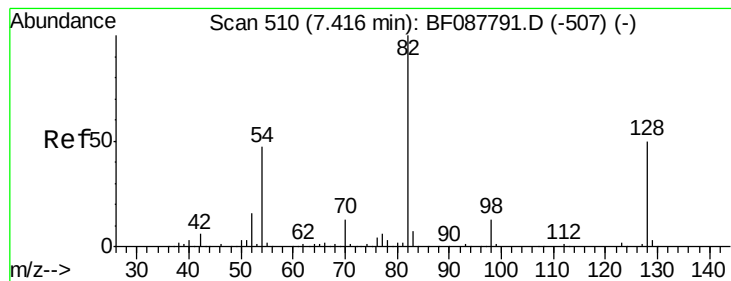
136 100

137 10.6 9.1 13.7

54 5.0 6.6 10.0#

68 4.5 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 92.96 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.03 min

Lab File: BF088385.D

Acq: 25 Jun 2016 19:10

Instrument :

BNA_F

ClientSampleId :

SC-STA-1461(0-4)

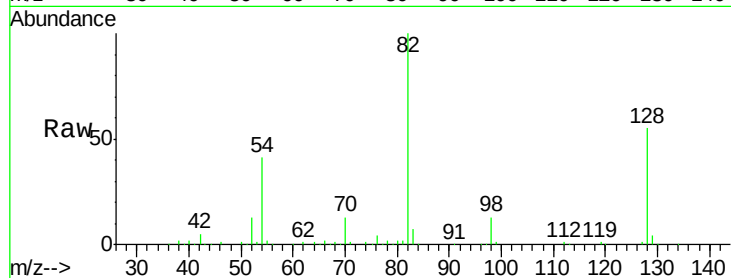
Tot Ion: 82 Resp: 463880

Ion Ratio Lower Upper

82 100

128 54.8 35.9 53.9#

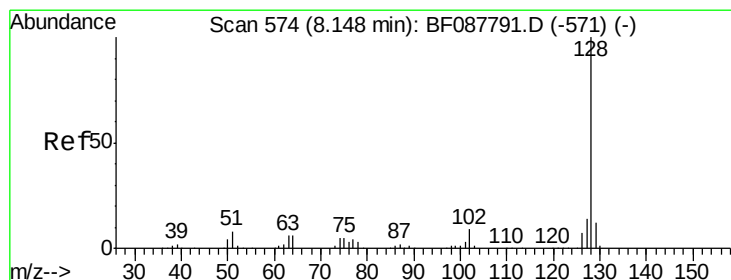
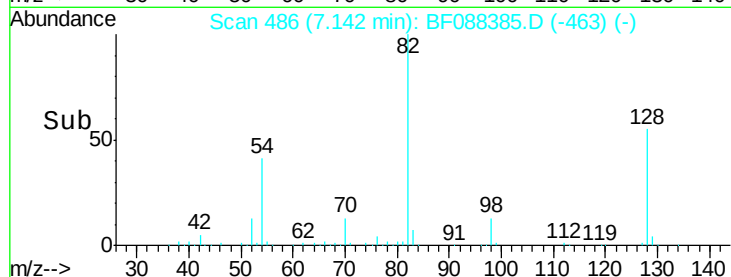
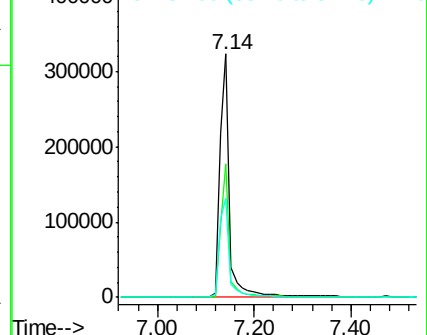
54 40.9 40.9 61.3



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



#31

Naphthalene

Concen: 4.27 ng

RT: 7.87 min Scan# 550

Delta R.T. -0.05 min

Lab File: BF088385.D

Acq: 25 Jun 2016 19:10

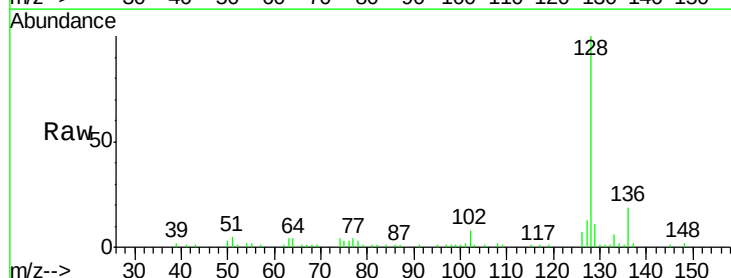
Tgt Ion: 128 Resp: 61510

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.2

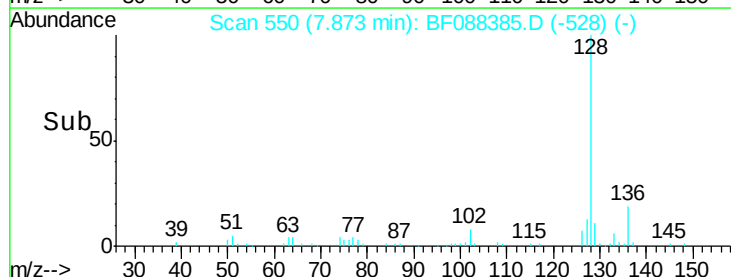
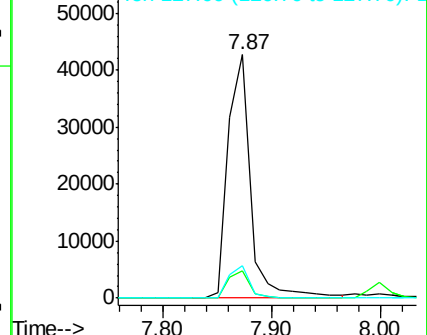
127 13.1 10.9 16.3

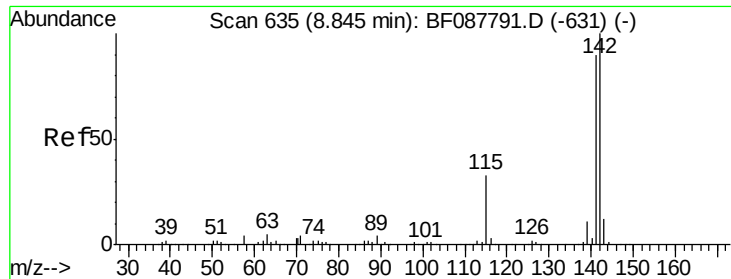


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

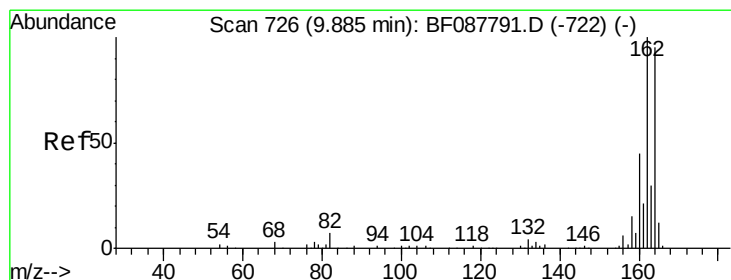
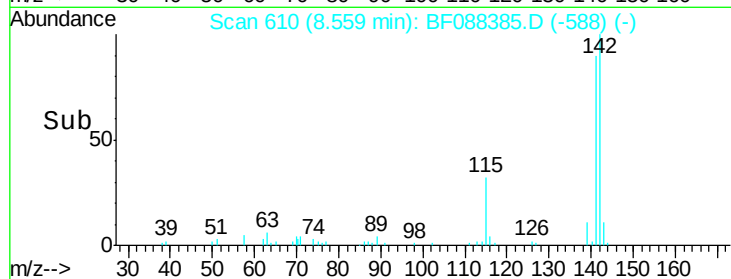
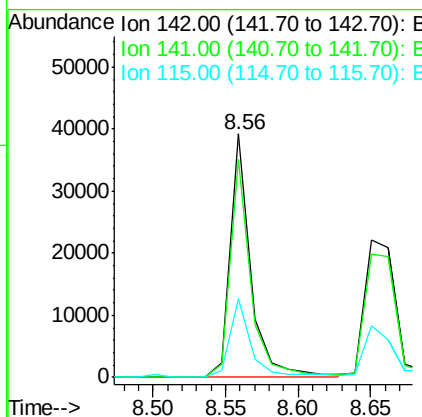
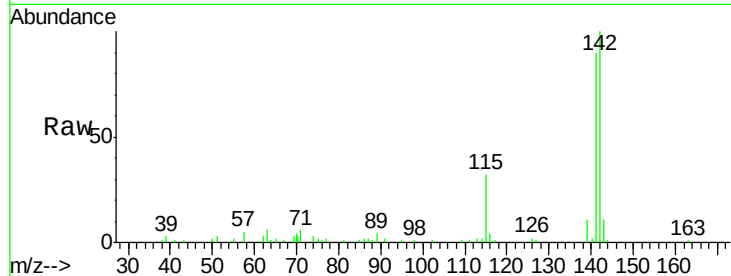




#37
2-Methylnaphthalene
Concen: 4.10 ng
RT: 8.56 min Scan# 610
Delta R.T. -0.05 min
Lab File: BF088385.D
Acq: 25 Jun 2016 19:10

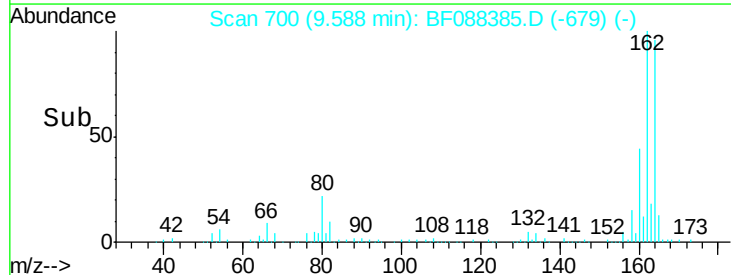
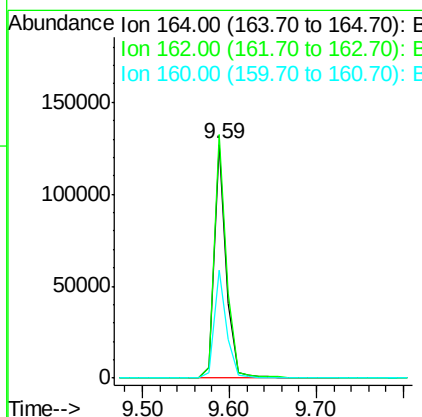
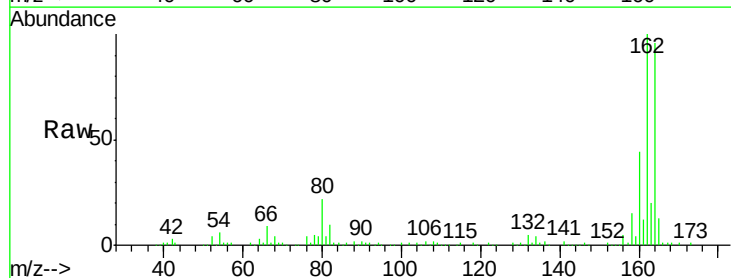
Instrument :
BNA_F
ClientSampleId :
SC-STA-1461(0-4)

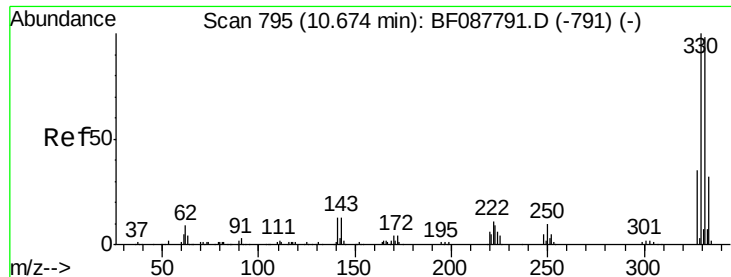
Tot Ion:142 Resp: 38952
Ion Ratio Lower Upper
142 100
141 89.8 71.0 106.6
115 32.4 22.6 33.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.06 min
Lab File: BF088385.D
Acq: 25 Jun 2016 19:10

Tgt Ion:164 Resp: 124659
Ion Ratio Lower Upper
164 100
162 104.1 85.4 128.2
160 46.1 39.5 59.3

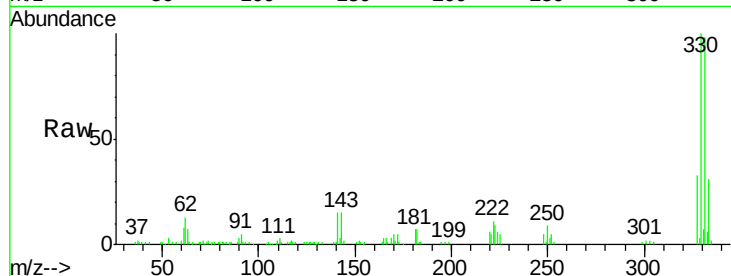




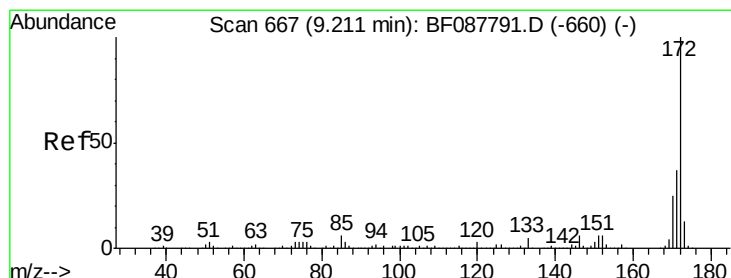
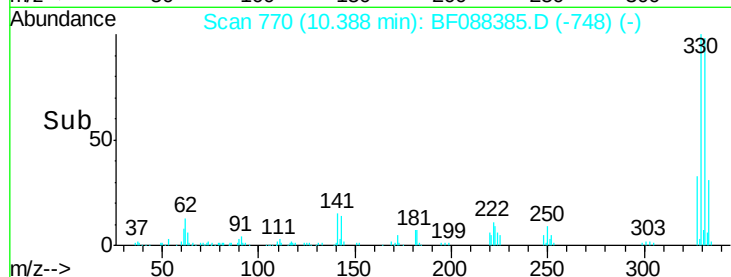
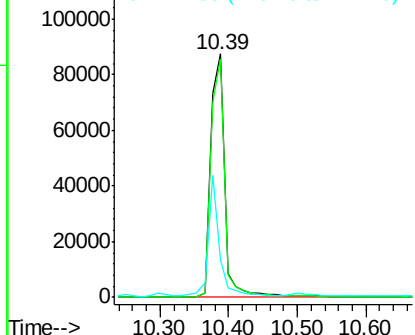
#41
 2,4,6-Tribromophenol
 Concen: 96.71 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF088385.D
 Acq: 25 Jun 2016 19:10

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1461(0-4)

Tot Ion:	330	Resp:	127290
Ion Ratio	Lower	Upper	
330	100		
332	97.3	0.0	0.0#
141	39.2	0.0	0.0#

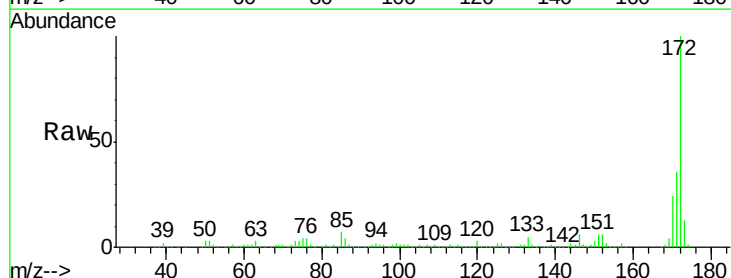


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

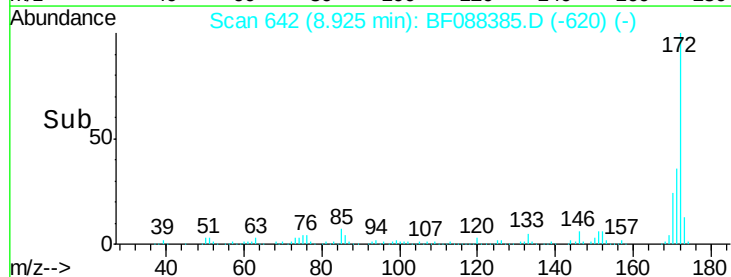
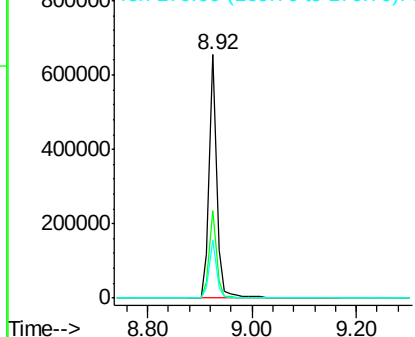


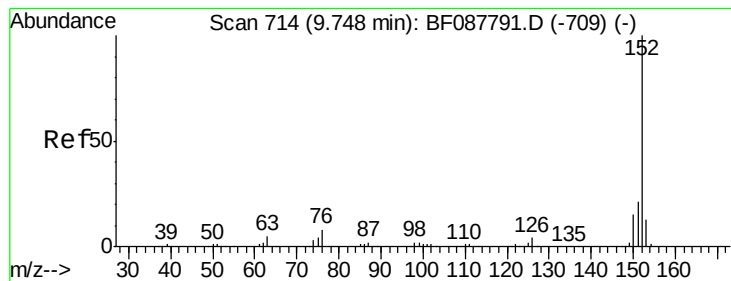
#44
 2-Fluorobiphenyl
 Concen: 83.88 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088385.D
 Acq: 25 Jun 2016 19:10

Tgt Ion:	172	Resp:	666232
Ion Ratio	Lower	Upper	
172	100		
171	35.9	28.6	43.0
170	23.6	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





#48

Acenaphthylene

Concen: 2.59 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.06 min

Lab File: BF088385.D

Acq: 25 Jun 2016 19:10

Instrument :

BNA_F

ClientSampleId :

SC-STA-1461(0-4)

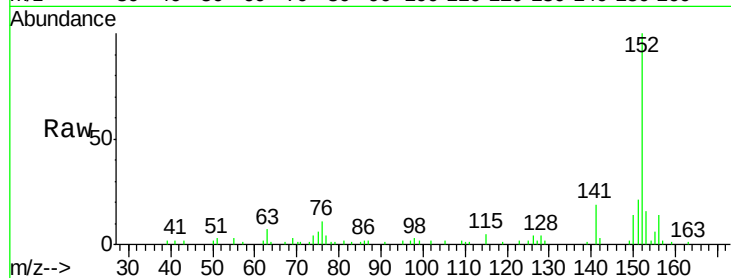
Tot Ion:152 Resp: 33286

Ion Ratio Lower Upper

152 100

151 20.8 16.2 24.4

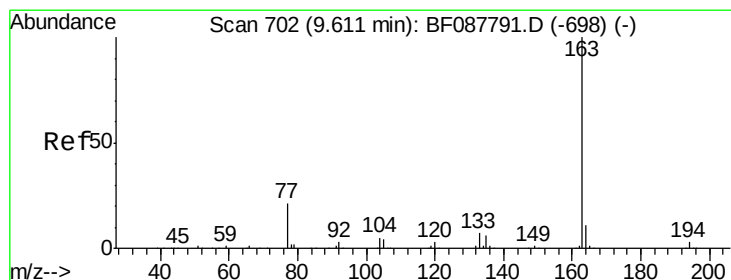
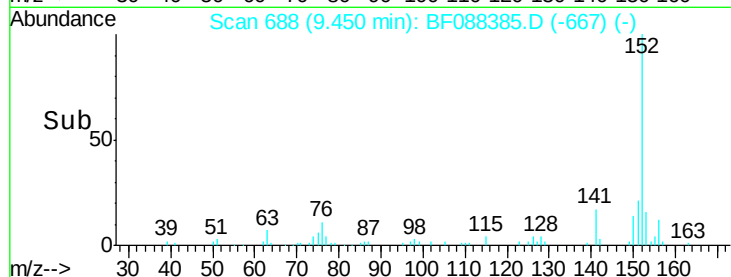
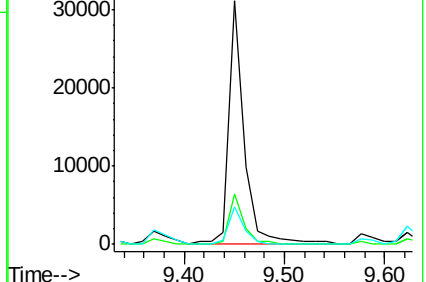
153 15.6 11.0 16.6



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: 16.96 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF088385.D

Acq: 25 Jun 2016 19:10

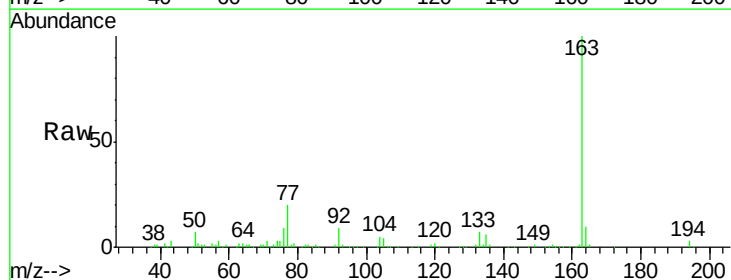
Tgt Ion:163 Resp: 153185

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

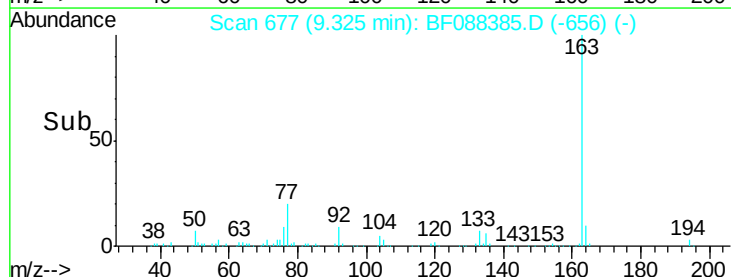
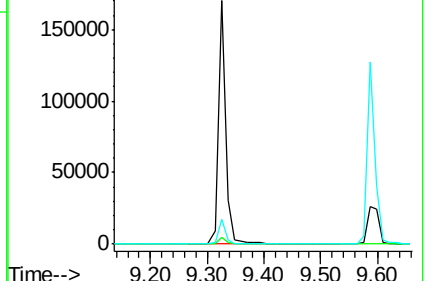
164 10.2 8.3 12.5

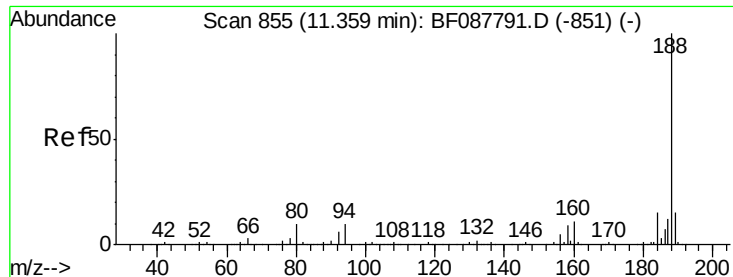


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

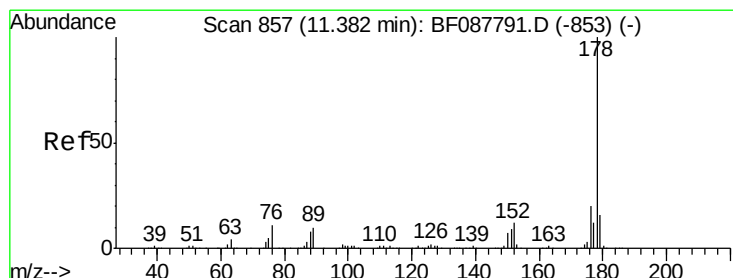
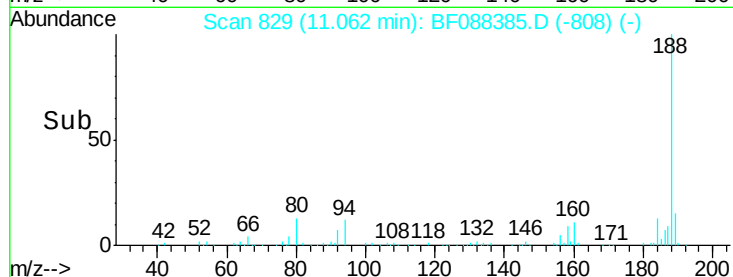
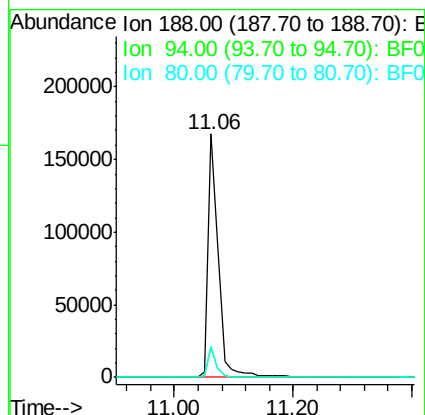
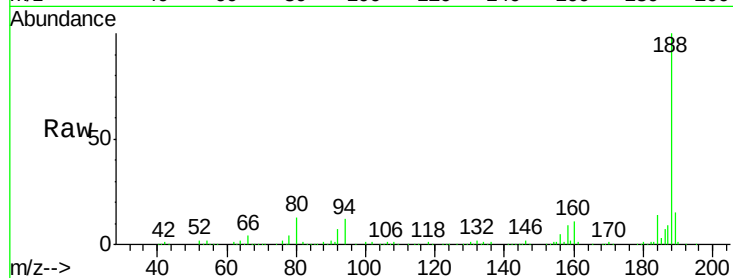




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088385.D
Acq: 25 Jun 2016 19:10

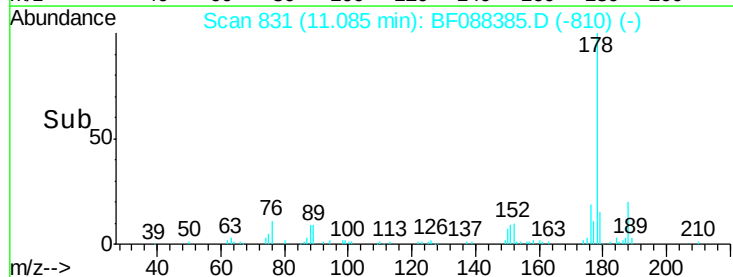
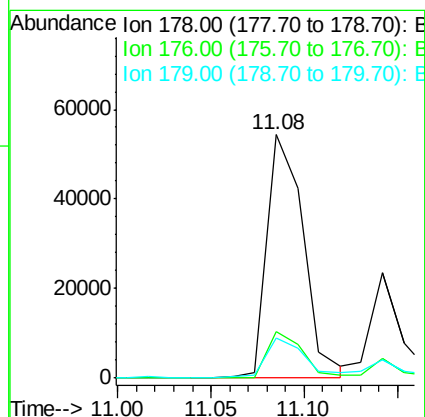
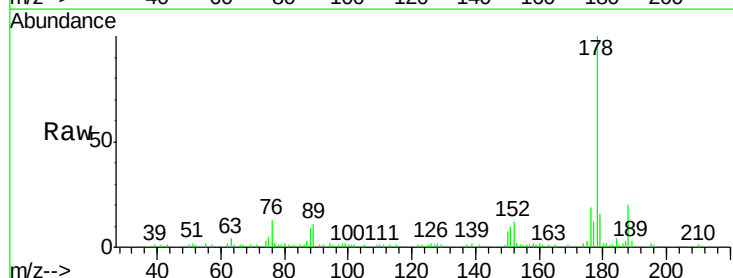
Instrument :
BNA_F
ClientSampleId :
SC-STA-1461(0-4)

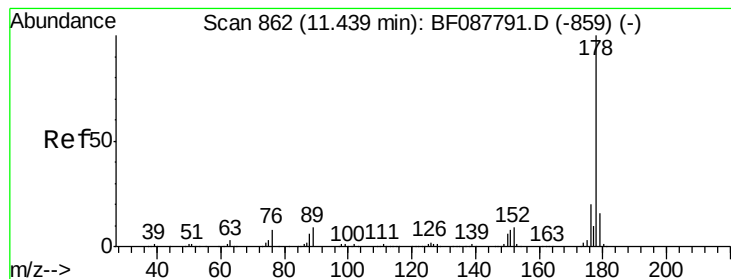
Tot Ion:188 Resp: 205305
Ion Ratio Lower Upper
188 100
94 12.3 9.0 13.6
80 13.0 10.0 15.0



#70
Phenanthrene
Concen: 6.81 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.06 min
Lab File: BF088385.D
Acq: 25 Jun 2016 19:10

Tgt Ion:178 Resp: 73352
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 16.3 13.0 19.4





#71

Anthracene

Concen: 2.37 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.06 min

Lab File: BF088385.D

Acq: 25 Jun 2016 19:10

Instrument :

BNA_F

ClientSampleId :

SC-STA-1461(0-4)

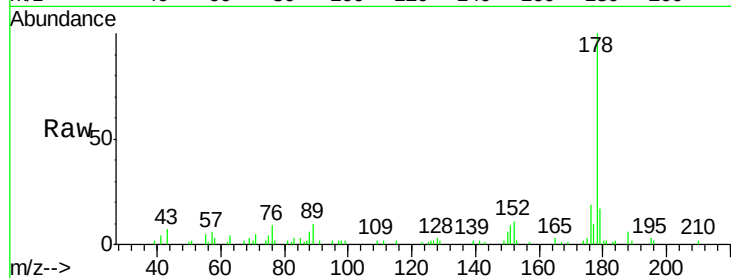
Tot Ion:178 Resp: 25718

Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

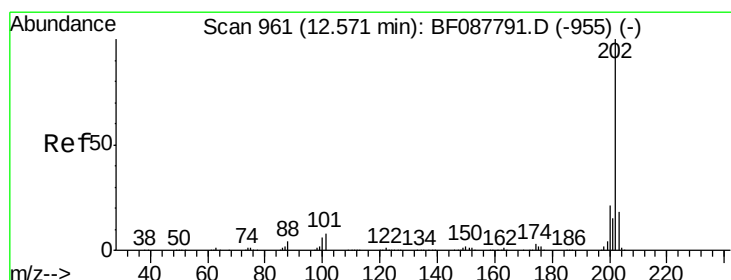
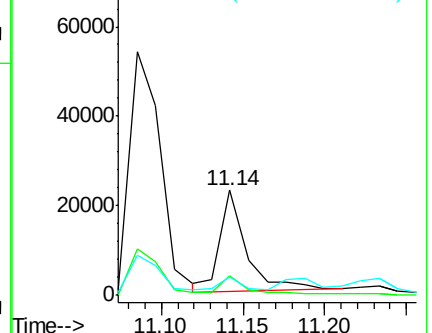
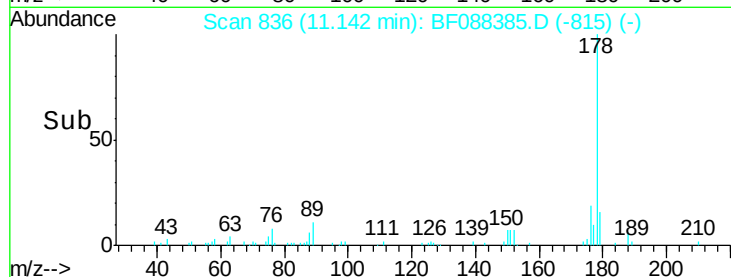
179 17.4 12.8 19.2



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: 15.58 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF088385.D

Acq: 25 Jun 2016 19:10

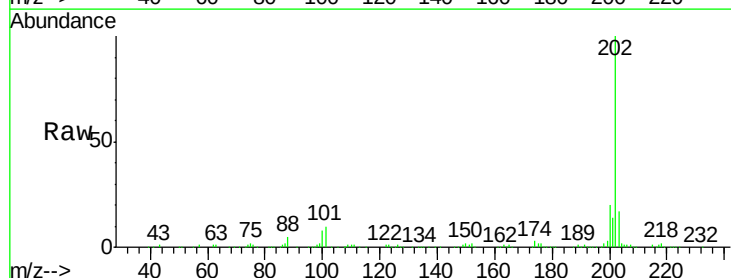
Tgt Ion:202 Resp: 177164

Ion Ratio Lower Upper

202 100

101 10.2 0.0 33.1

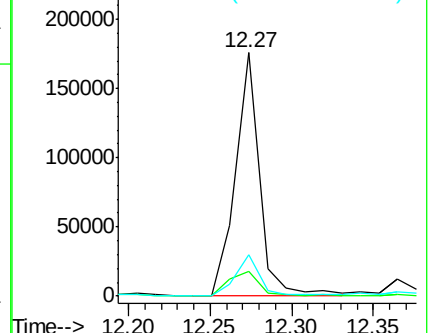
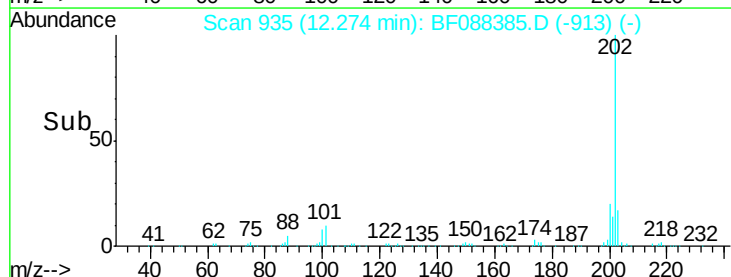
203 17.2 0.0 38.1

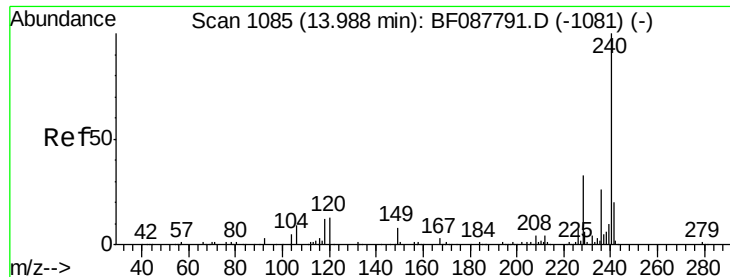


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF088385.D

Acq: 25 Jun 2016 19:10

Instrument :

BNA_F

ClientSampleId :

SC-STA-1461(0-4)

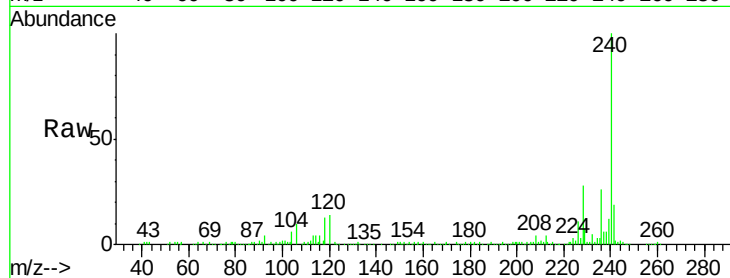
Tot Ion:240 Resp: 159162

Ion Ratio Lower Upper

240 100

120 14.5 6.8 10.2#

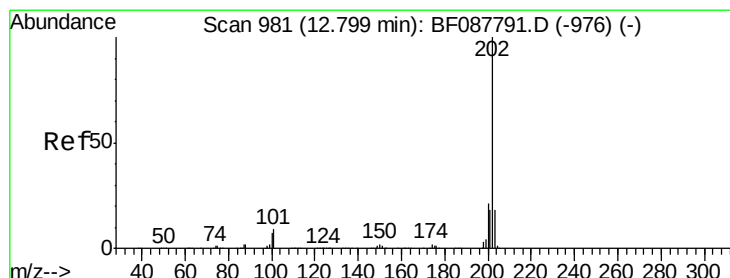
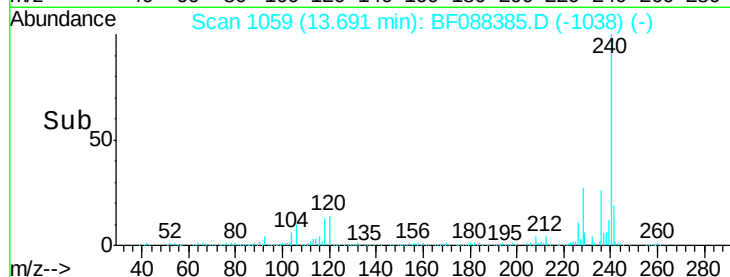
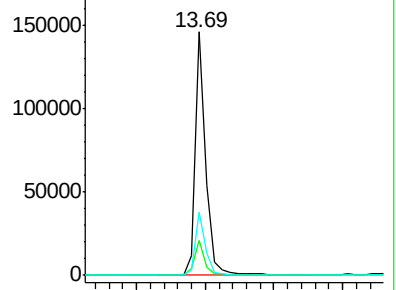
236 26.1 20.2 30.2



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

Pyrene

Concen: 12.59 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088385.D

Acq: 25 Jun 2016 19:10

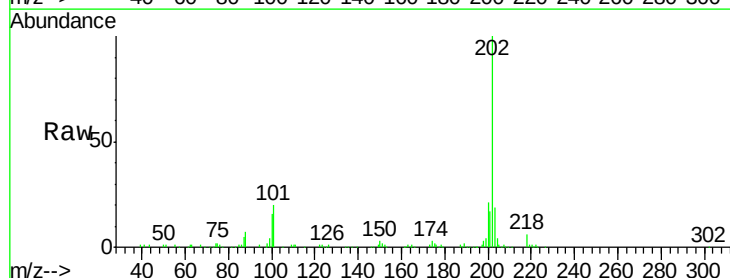
Tgt Ion:202 Resp: 148738

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

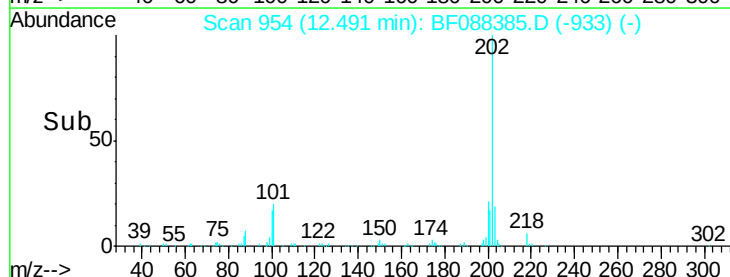
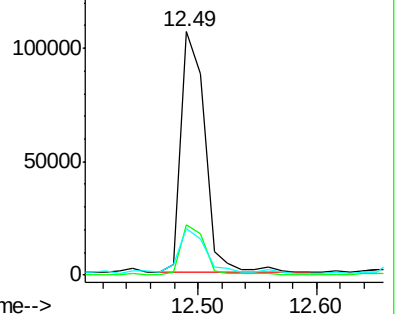
203 19.1 14.5 21.7

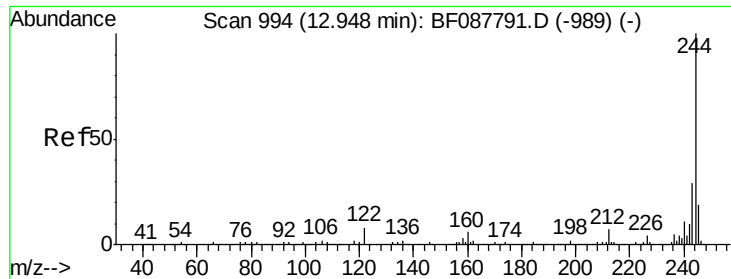


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

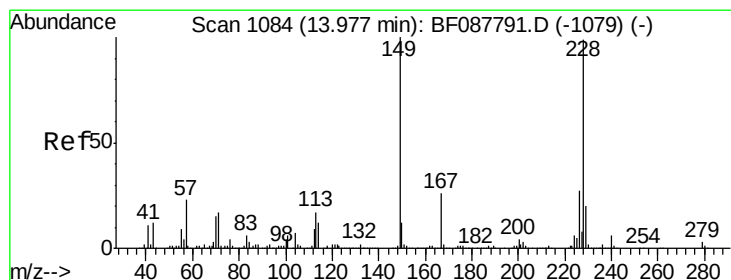
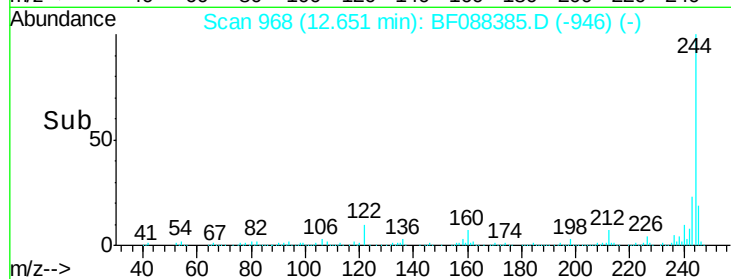
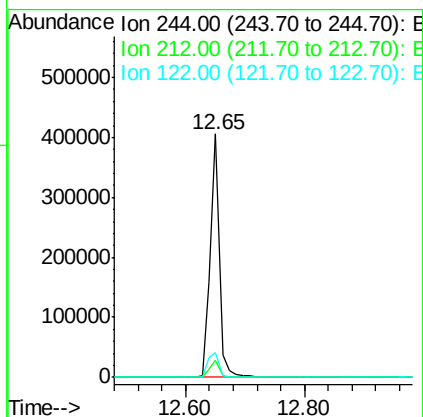
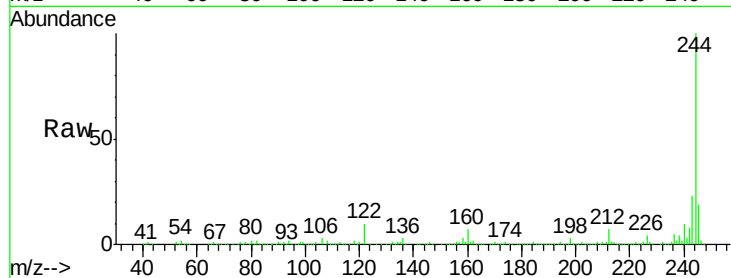




#78
 Terphenyl-d14
 Concen: 62.42 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.05 min
 Lab File: BF088385.D
 Acq: 25 Jun 2016 19:10

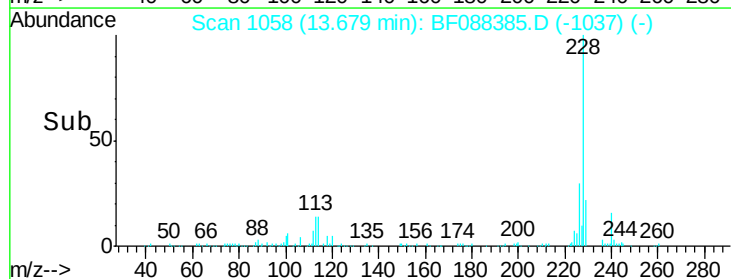
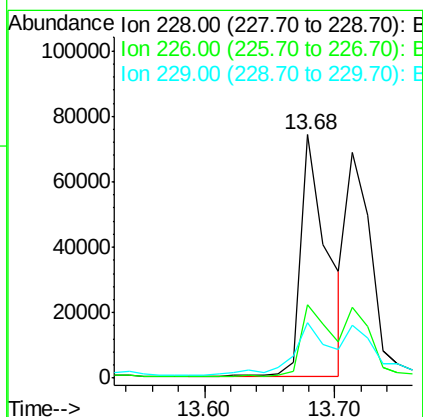
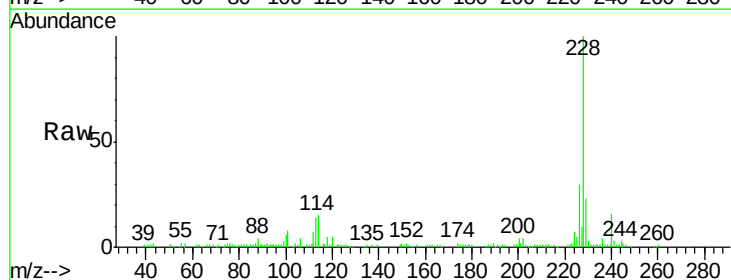
Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1461(0-4)

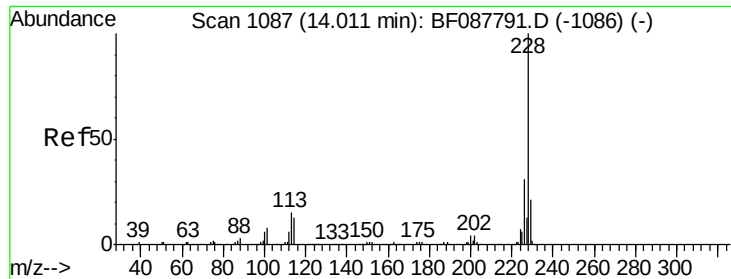
Tot Ion:244 Resp: 436592
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.2 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 11.66 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.06 min
 Lab File: BF088385.D
 Acq: 25 Jun 2016 19:10

Tgt Ion:228 Resp: 105713
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.3 33.5
 229 22.8 16.0 24.0





#82

Chrysene

Concen: 10.81 ng/mL

RT: 13.71 min Scan# 1061

Delta R.T. -0.06 min

Lab File: BF088385.D

Acq: 25 Jun 2016 19:10

Instrument :

BNA_F

ClientSampleId :

SC-STA-1461(0-4)

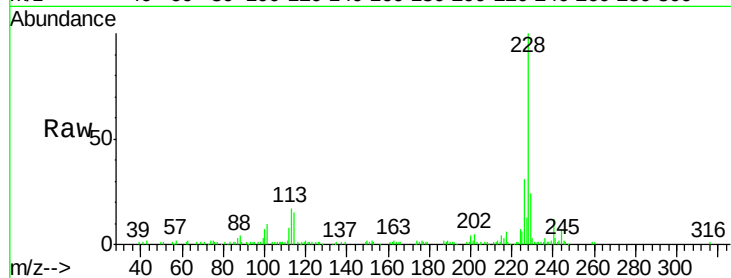
Tot Ion: 228 Resp: 92268

Ion Ratio Lower Upper

228 100

226 31.2 25.4 38.2

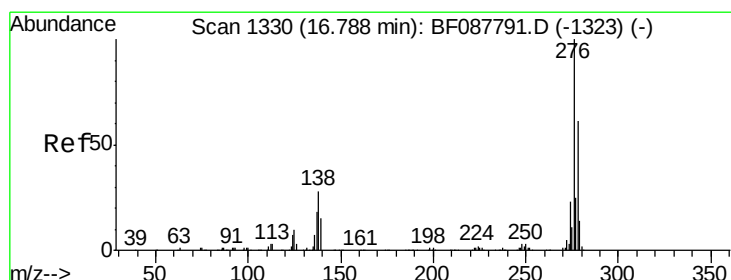
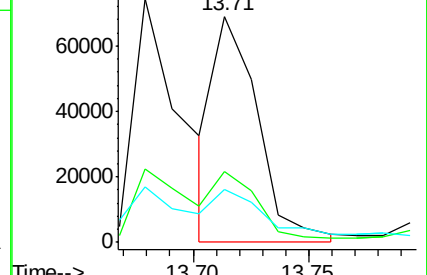
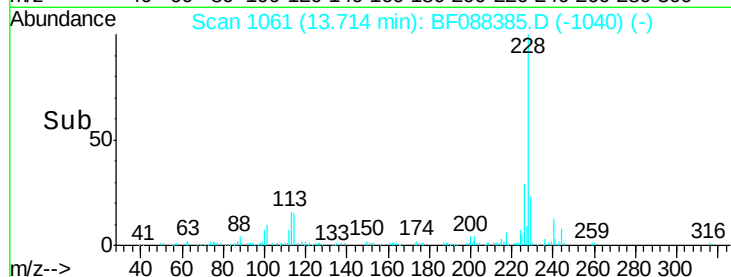
229 23.7 16.3 24.5



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: 4.70 ng/mL

RT: 16.29 min Scan# 1286

Delta R.T. -0.08 min

Lab File: BF088385.D

Acq: 25 Jun 2016 19:10

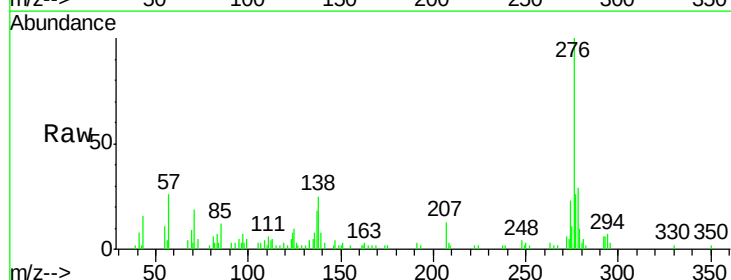
Tgt Ion: 276 Resp: 37222

Ion Ratio Lower Upper

276 100

138 28.1 0.0 0.0#

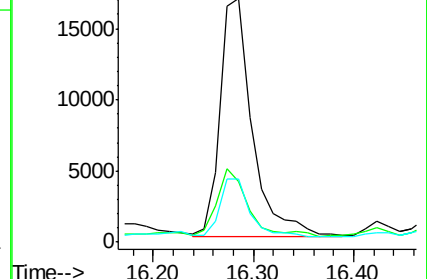
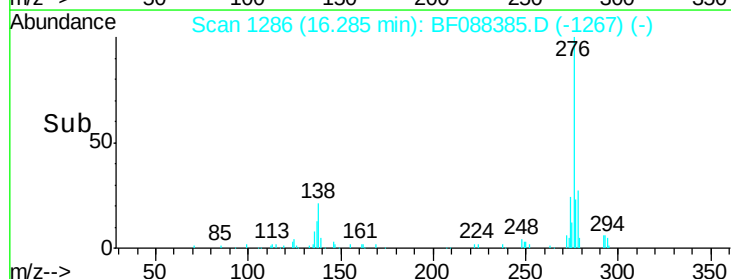
277 25.0 0.0 0.0#

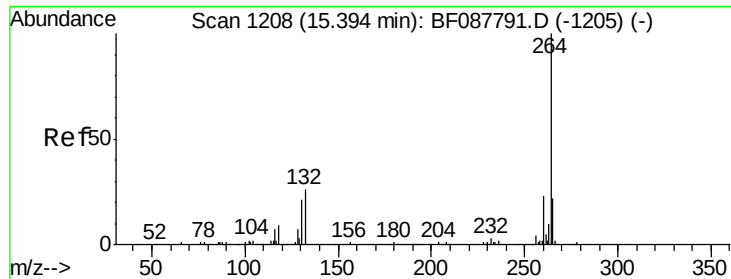


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

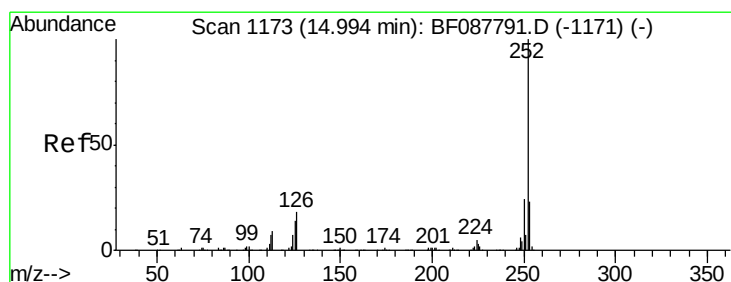
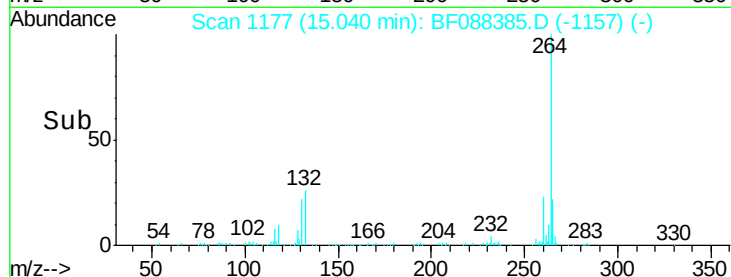
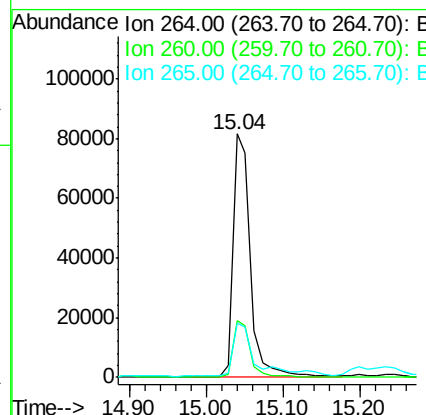
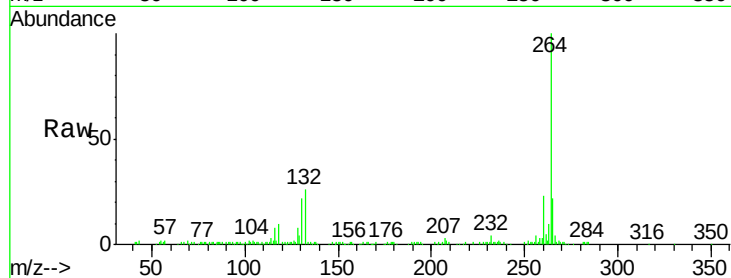




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.07 min
Lab File: BF088385.D
Acq: 25 Jun 2016 19:10

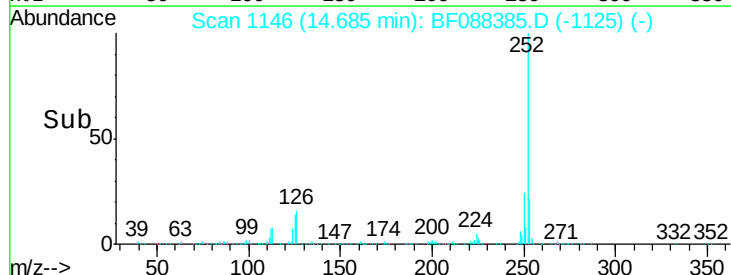
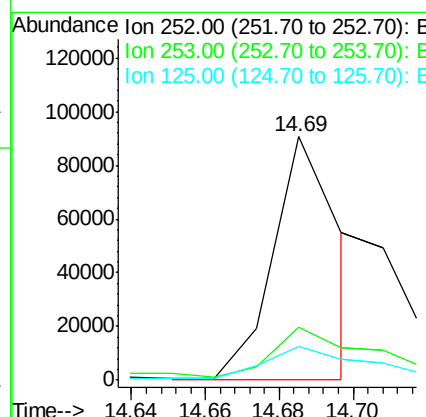
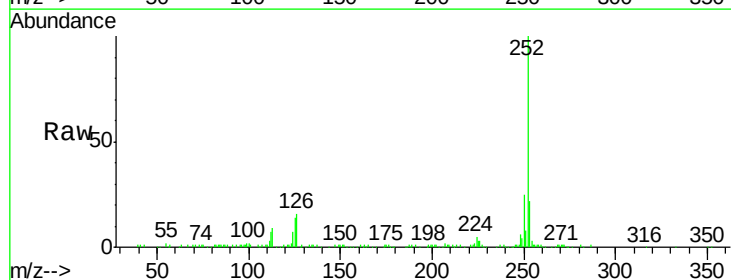
Instrument :
BNA_F
ClientSampleId :
SC-STA-1461(0-4)

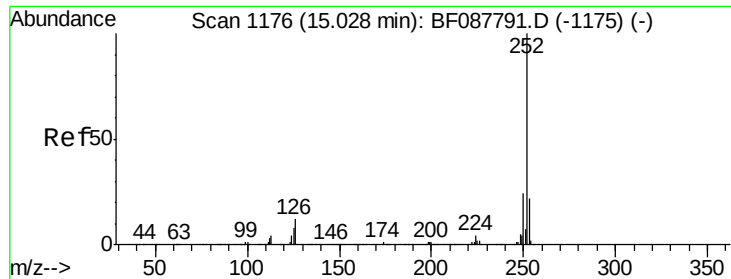
Tot Ion:264 Resp: 131758
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 22.3 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 12.37 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF088385.D
Acq: 25 Jun 2016 19:10

Tgt Ion:252 Resp: 113628
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 14.1 7.1 10.7#

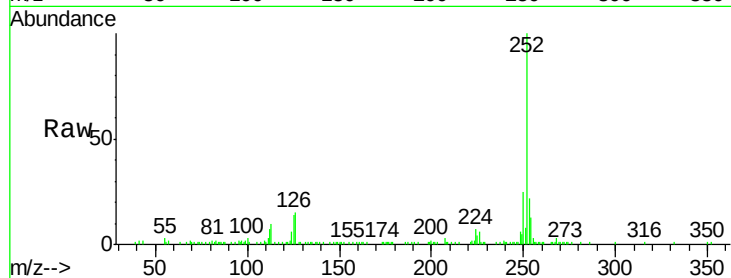




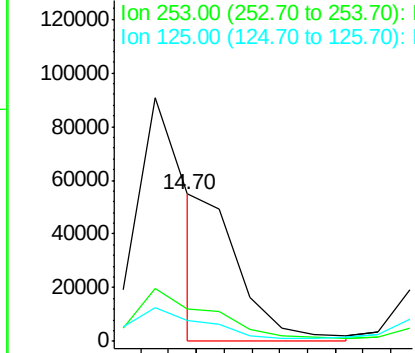
#88
Benzo(k)fluoranthene
Concen: 7.45 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.07 min
Lab File: BF088385.D
Acq: 25 Jun 2016 19:10

Instrument :
BNA_F
ClientSampleId :
SC-STA-1461(0-4)

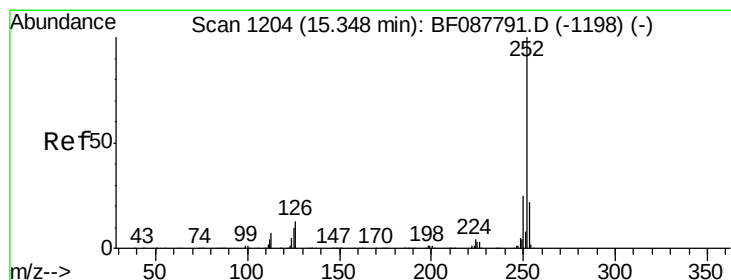
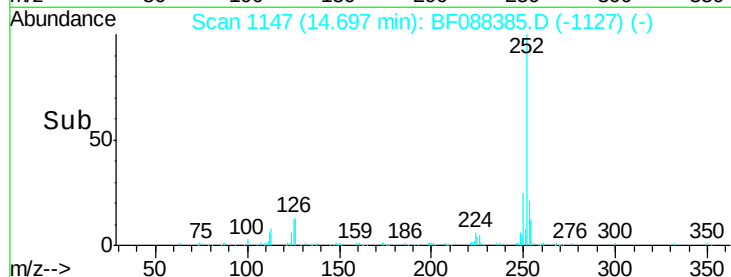
Tot Ion:252 Resp: 51615
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 13.9 11.2 16.8



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

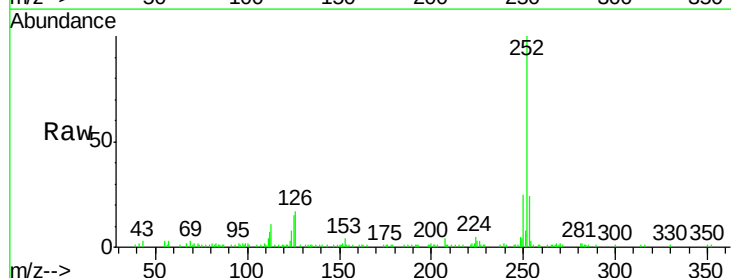


Time-->

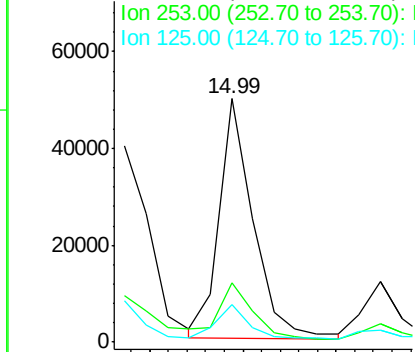


#89
Benzo(a)pyrene
Concen: 8.55 ng
RT: 14.99 min Scan# 1173
Delta R.T. -0.06 min
Lab File: BF088385.D
Acq: 25 Jun 2016 19:10

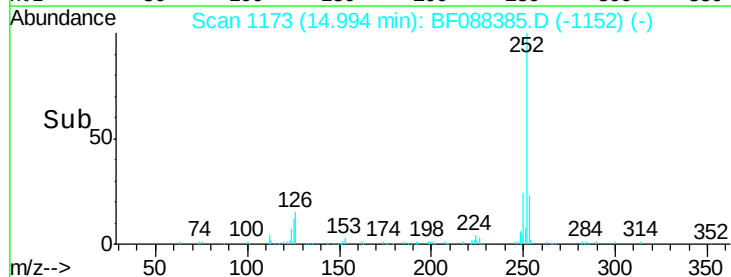
Tgt Ion:252 Resp: 63546
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 15.3 12.5 18.7

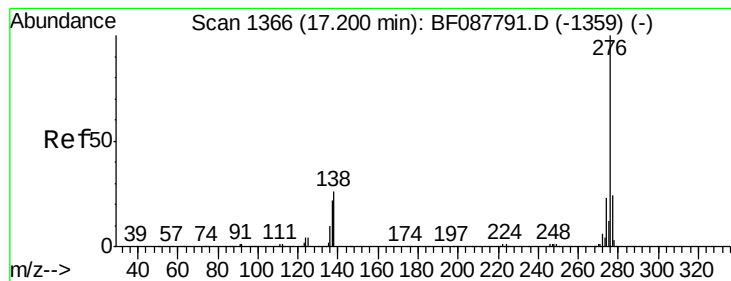


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#91

Benzo(a,h,i)perylene

Concen: 4.36 ng

RT: 16.65 min Scan# 1318

Delta R.T. -0.09 min

Lab File: BF088385.D

Acq: 25 Jun 2016 19:10

Instrument :

BNA_F

ClientSampleId :

SC-STA-1461(0-4)

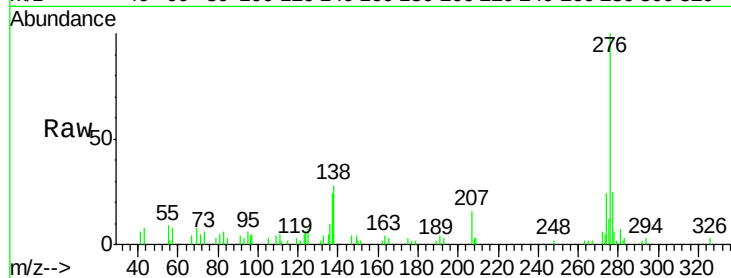
Tot Ion: 276 Resp: 30972

Ion Ratio Lower Upper

276 100

277 25.2 18.9 28.3

138 28.0 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

