

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088382.D
 Acq On : 25 Jun 2016 17:43
 Operator : UM/SJ
 Sample : H3624-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1476(0-4)

Quant Time: Jun 26 03:24:34 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

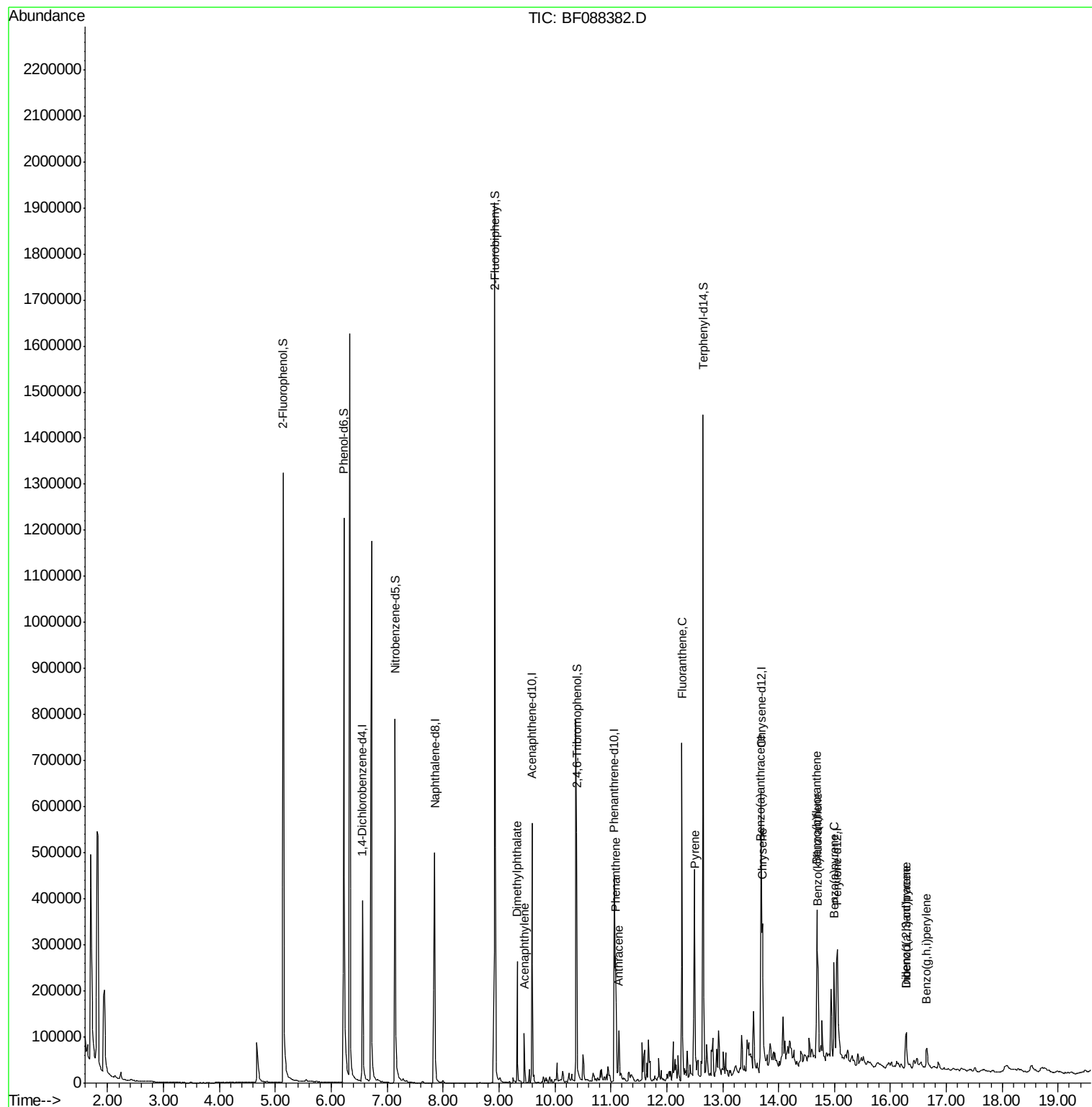
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	77079	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	300945	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	129130	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	217077	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	156491	20.00	ng	-0.06
86) Perylene-d12	15.05	264	138017	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	519585	115.24	ng	-0.03
7) Phenol-d6	6.23	99	615034	112.56	ng	-0.03
23) Nitrobenzene-d5	7.14	82	411151	79.78	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	137928	101.16	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	692307	84.17	ng	-0.05
78) Terphenyl-d14	12.65	244	506845	73.70	ng	-0.05
Target Compounds						Qvalue
48) Acenaphthylene	9.45	152	55147	4.15	ng	98
49) Dimethylphthalate	9.32	163	104639	11.19	ng	99
70) Phenanthrene	11.08	178	129437	11.36	ng	98
71) Anthracene	11.14	178	57363	4.99	ng	98
74) Fluoranthene	12.27	202	328117	27.29	ng	97
77) Pyrene	12.50	202	260239	22.41	ng	97
80) Benzo(a)anthracene	13.68	228	177869	19.95	ng	97
82) Chrysene	13.71	228	131749m	15.70	ng	
85) Indeno(1,2,3-cd)pyrene	16.29	276	52118	6.69	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	158696m	16.50	ng	
88) Benzo(k)fluoranthene	14.70	252	76449m	10.54	ng	
89) Benzo(a)pyrene	14.99	252	102454	13.16	ng	98
90) Dibenzo(a,h)anthracene	16.29	278	17196	2.38	ng	92
91) Benzo(a,h,i)perylene	16.65	276	40279	5.42	ng	97

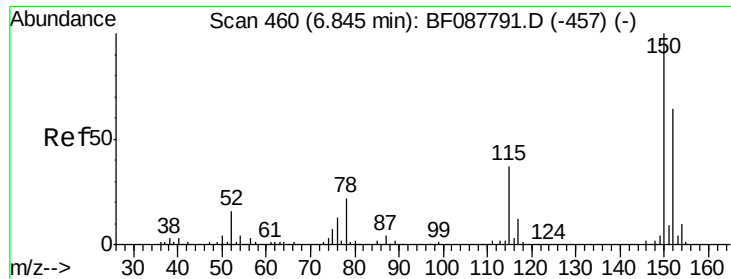
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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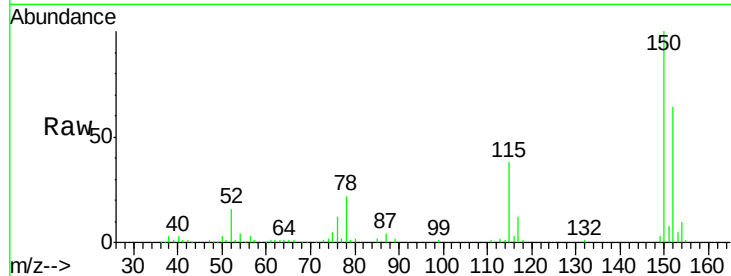




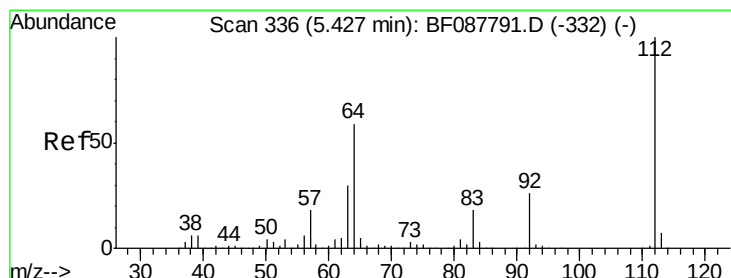
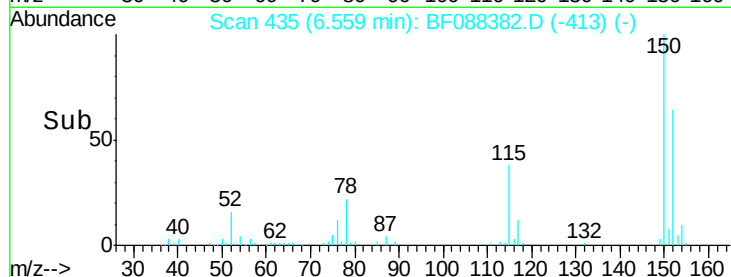
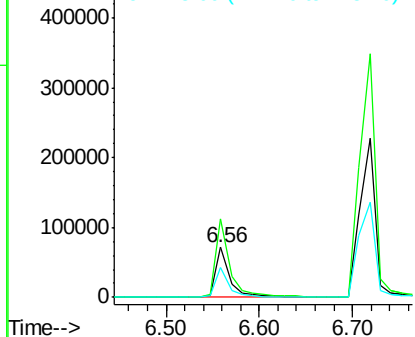
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.56 min Scan# 435
 Delta R.T. -0.05 min
 Lab File: BF088382.D
 Acq: 25 Jun 2016 17:43

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1476(0-4)

Tot Ion:152 Resp: 77079
 Ion Ratio Lower Upper
 152 100
 150 157.4 123.8 185.6
 115 60.1 39.6 59.4#

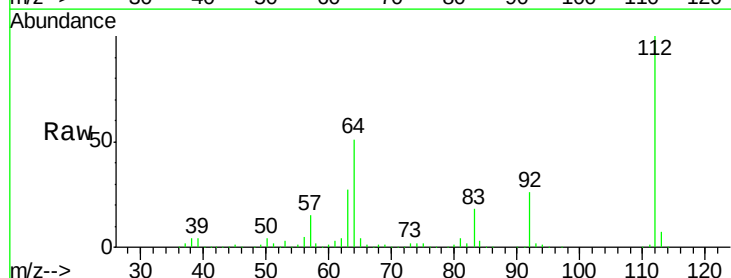


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

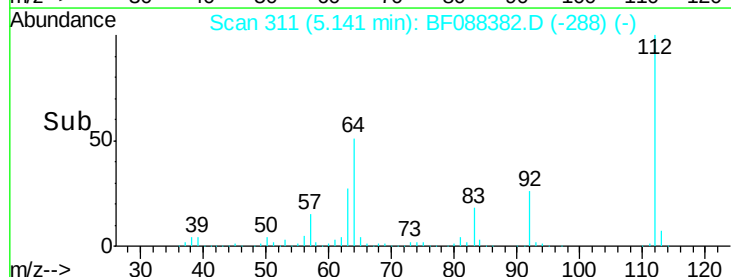
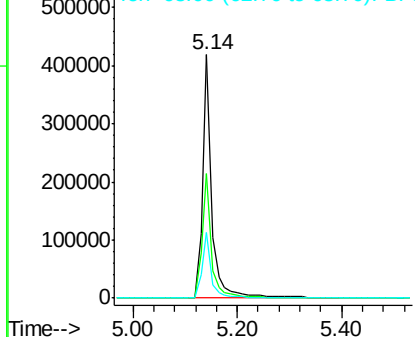


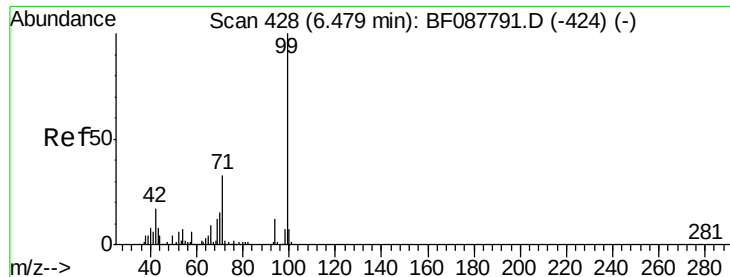
#5
 2-Fluorophenol
 Concen: 115.24 ng
 RT: 5.14 min Scan# 311
 Delta R.T. -0.03 min
 Lab File: BF088382.D
 Acq: 25 Jun 2016 17:43

Tgt Ion:112 Resp: 519585
 Ion Ratio Lower Upper
 112 100
 64 51.0 42.2 63.2
 63 26.8 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: 112.56 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088382.D

Acq: 25 Jun 2016 17:43

Instrument :

BNA_F

ClientSampleId :

SC-STA-1476(0-4)

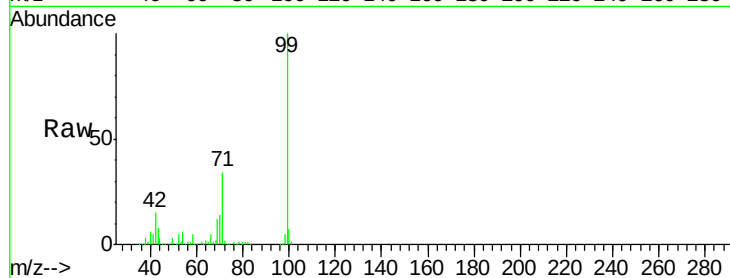
Tot Ion: 99 Resp: 615034

Ion Ratio Lower Upper

99 100

42 15.5 12.2 18.2

71 34.1 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

6.23

500000

400000

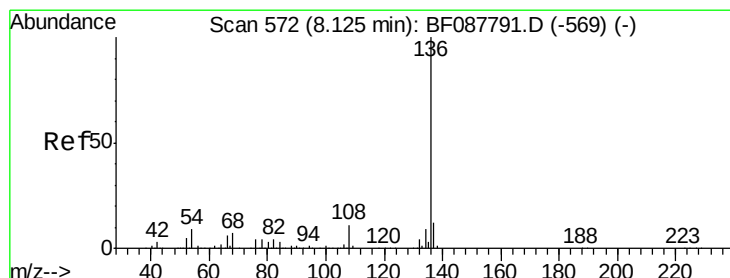
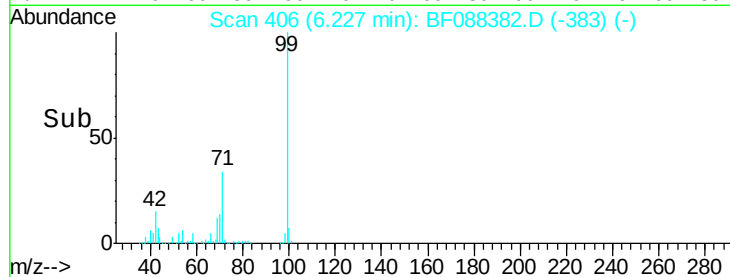
300000

200000

100000

0

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF088382.D

Acq: 25 Jun 2016 17:43

Tgt Ion: 136 Resp: 300945

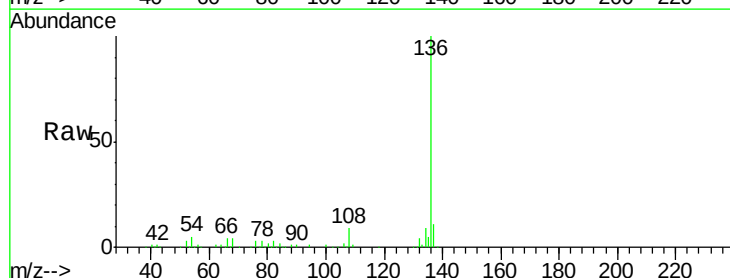
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.1 6.6 10.0#

68 4.5 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

7.85

400000

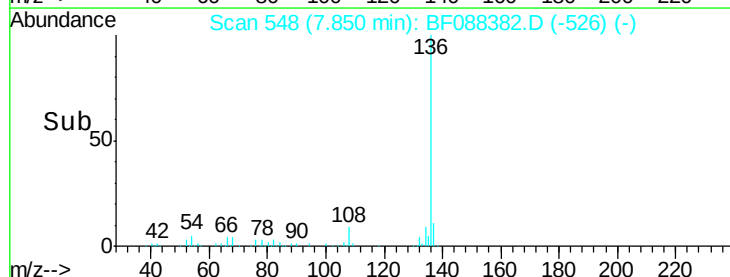
300000

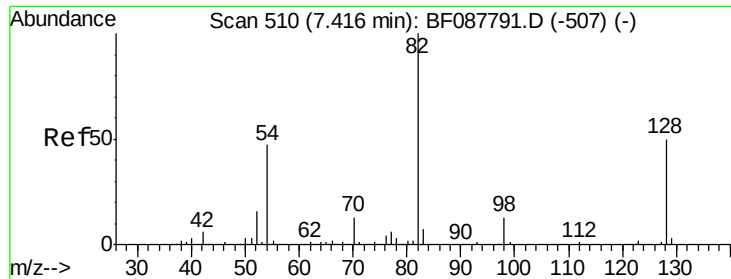
200000

100000

0

Time-->

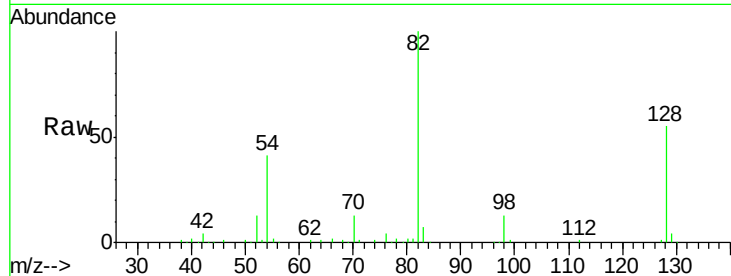




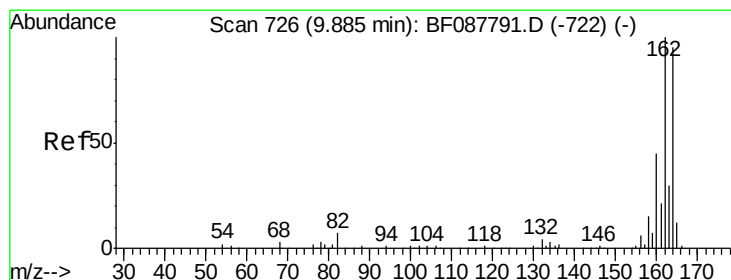
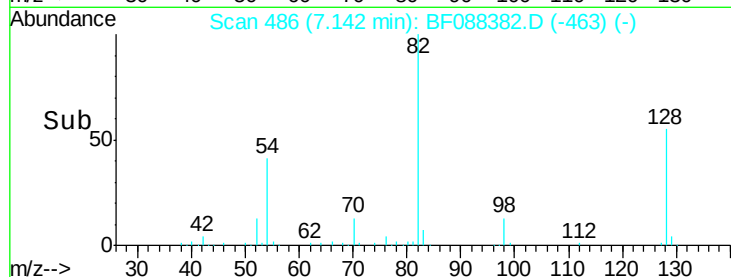
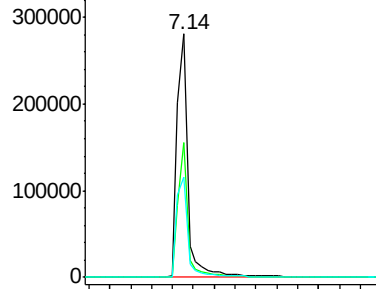
#23
 Nitrobenzene-d5
 Concen: 79.78 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF088382.D
 Acq: 25 Jun 2016 17:43

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1476(0-4)

Tot Ion: 82 Resp: 411151
 Ion Ratio Lower Upper
 82 100
 128 55.4 35.9 53.9#
 54 41.3 40.9 61.3

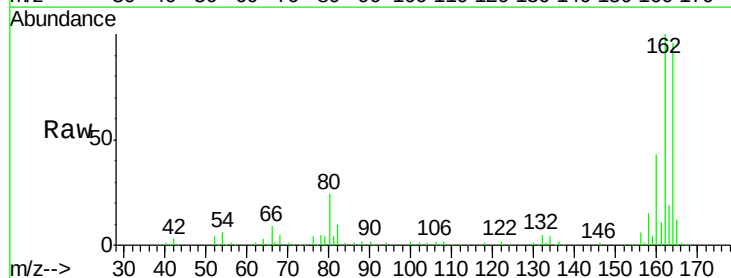


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

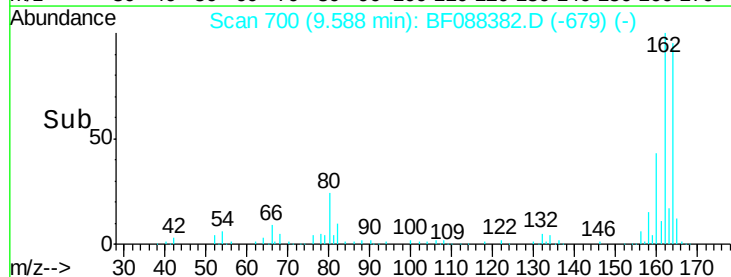
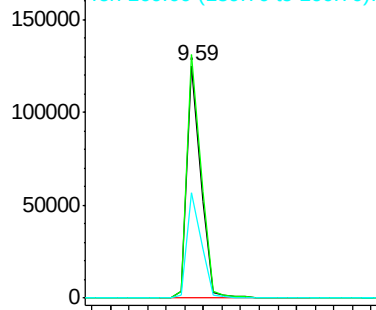


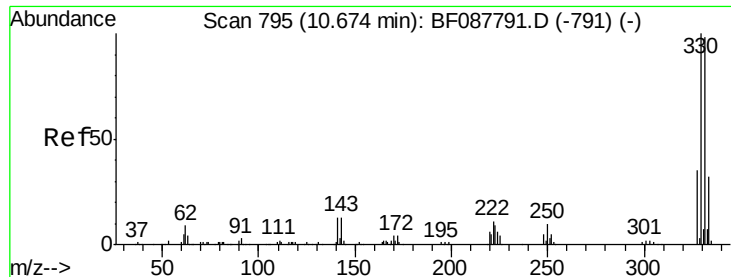
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.06 min
 Lab File: BF088382.D
 Acq: 25 Jun 2016 17:43

Tgt Ion:164 Resp: 129130
 Ion Ratio Lower Upper
 164 100
 162 104.7 85.4 128.2
 160 45.5 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

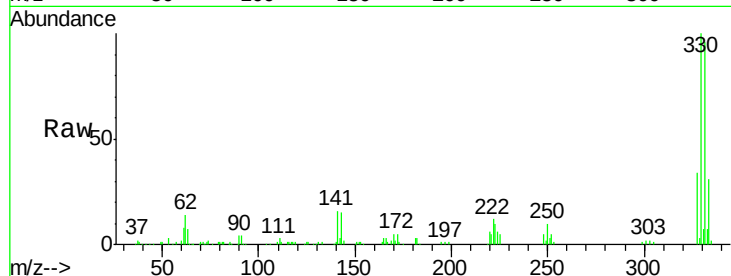




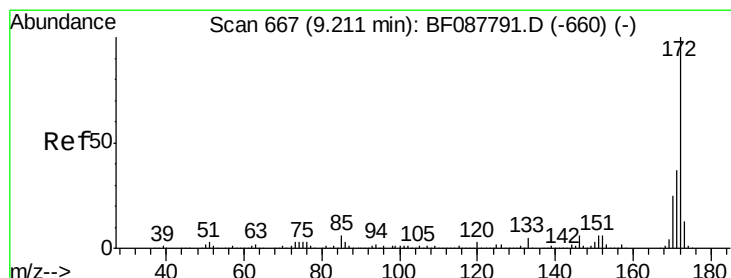
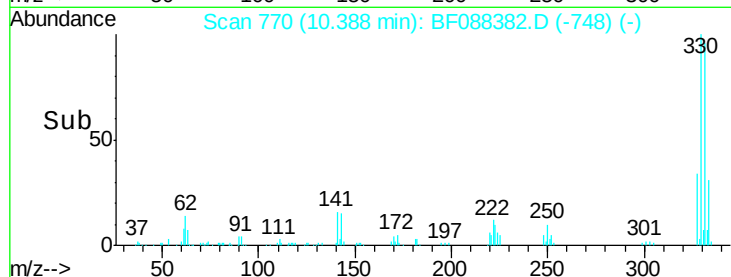
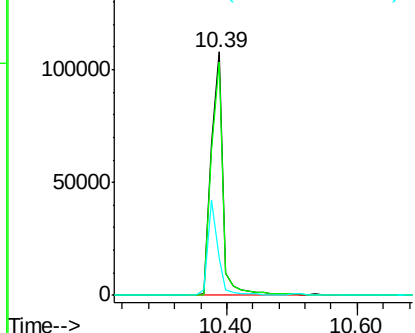
#41
 2,4,6-Tribromophenol
 Concen: 101.16 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF088382.D
 Acq: 25 Jun 2016 17:43

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1476(0-4)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	34.7	0.0	0.0#

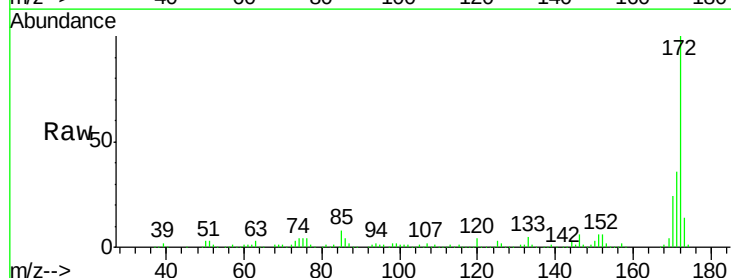


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

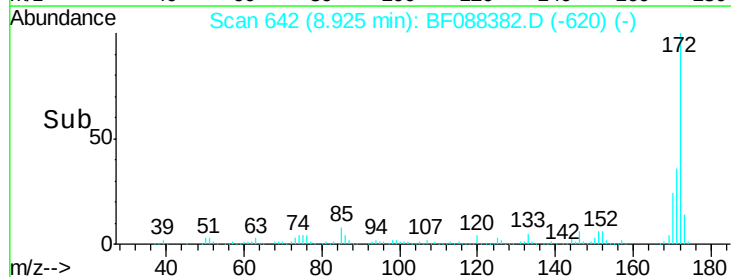
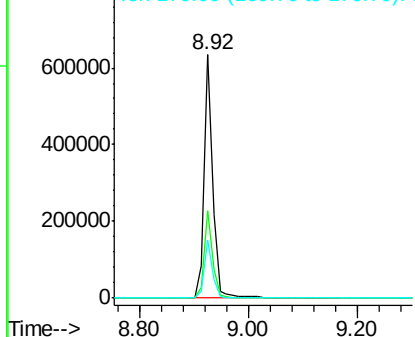


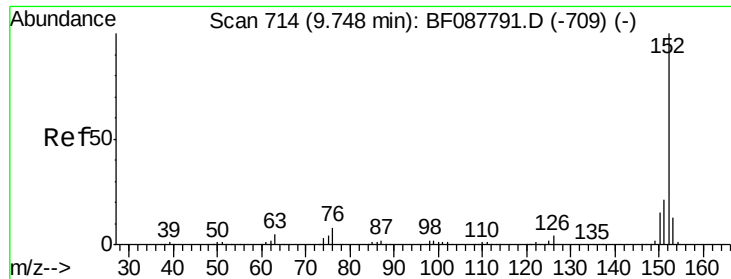
#44
 2-Fluorobiphenyl
 Concen: 84.17 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088382.D
 Acq: 25 Jun 2016 17:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.0	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: 4.15 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.06 min

Lab File: BF088382.D

Acq: 25 Jun 2016 17:43

Instrument :

BNA_F

ClientSampleId :

SC-STA-1476(0-4)

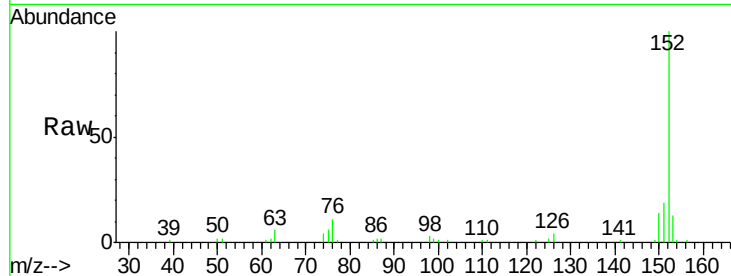
Tot Ion:152 Resp: 55147

Ion Ratio Lower Upper

152 100

151 19.3 16.2 24.4

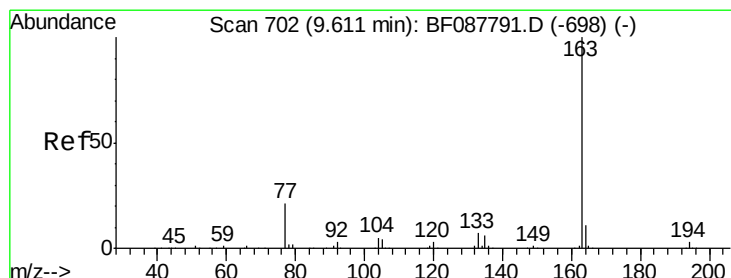
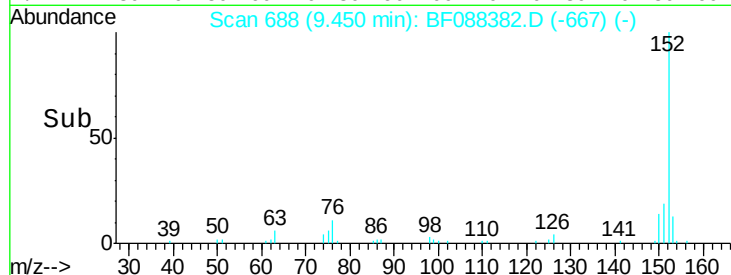
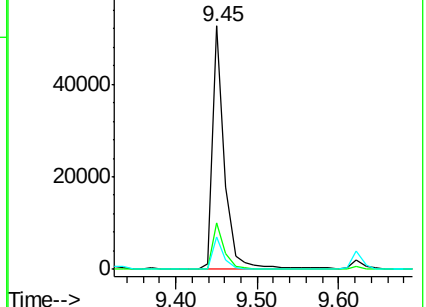
153 13.2 11.0 16.6



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



#49

Dimethylphthalate

Concen: 11.19 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF088382.D

Acq: 25 Jun 2016 17:43

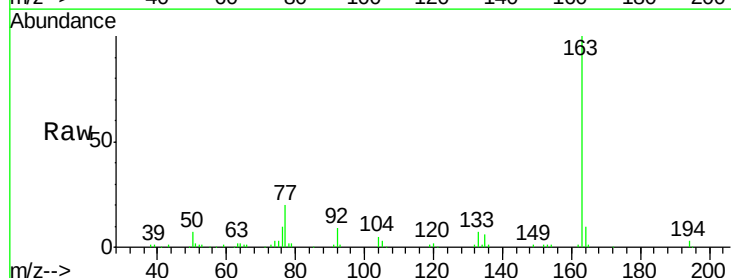
Tgt Ion:163 Resp: 104639

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

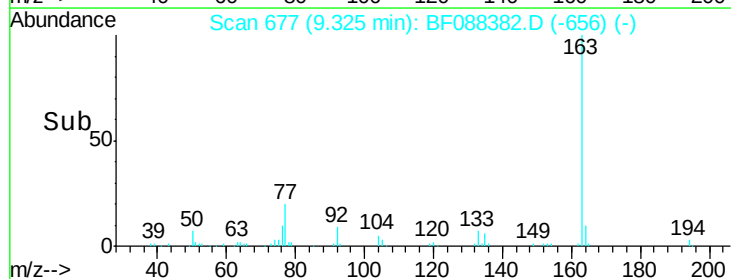
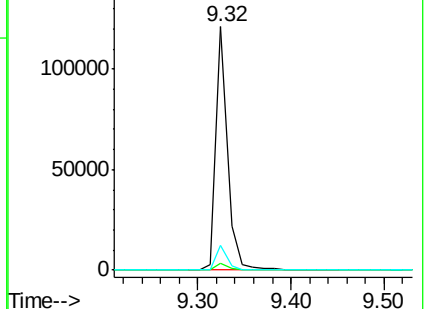
164 10.2 8.3 12.5

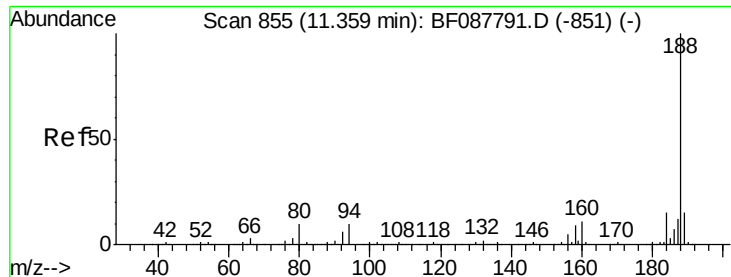


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

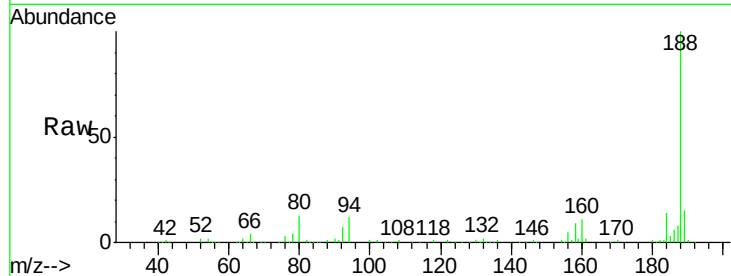




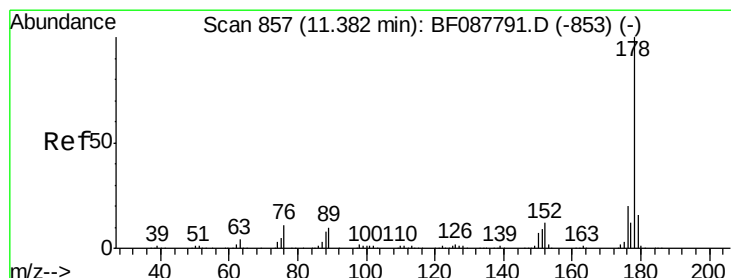
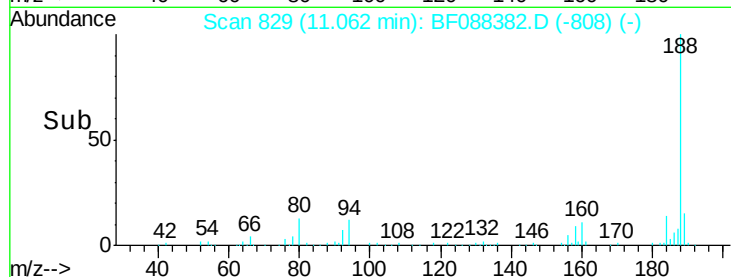
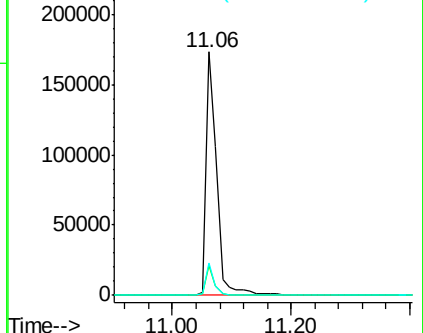
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088382.D
Acq: 25 Jun 2016 17:43

Instrument :
BNA_F
ClientSampleId :
SC-STA-1476(0-4)

Tot Ion:188 Resp: 217077
Ion Ratio Lower Upper
188 100
94 12.2 9.0 13.6
80 13.4 10.0 15.0

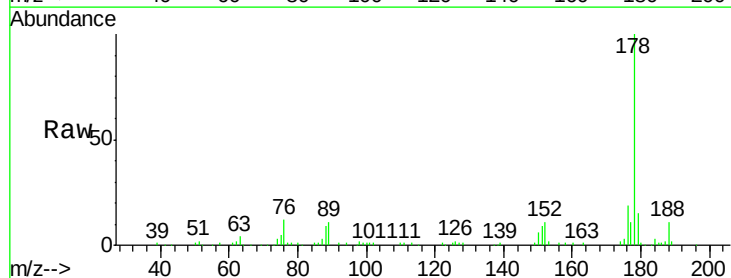


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

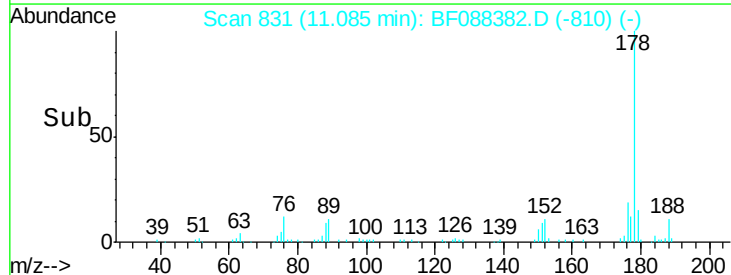
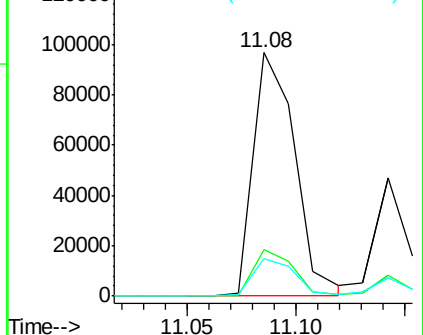


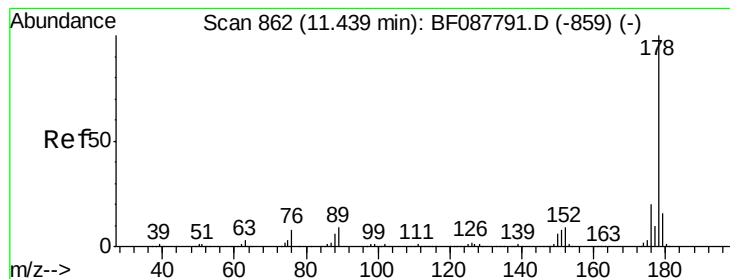
#70
Phenanthrene
Concen: 11.36 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.06 min
Lab File: BF088382.D
Acq: 25 Jun 2016 17:43

Tgt Ion:178 Resp: 129437
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.2 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: 4.99 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.06 min

Lab File: BF088382.D

Acq: 25 Jun 2016 17:43

Instrument :

BNA_F

ClientSampleId :

SC-STA-1476(0-4)

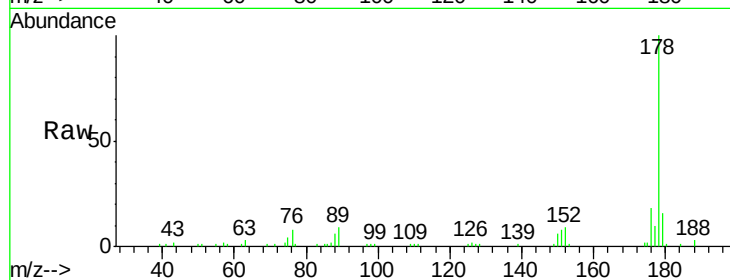
Tot Ion:178 Resp: 57363

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

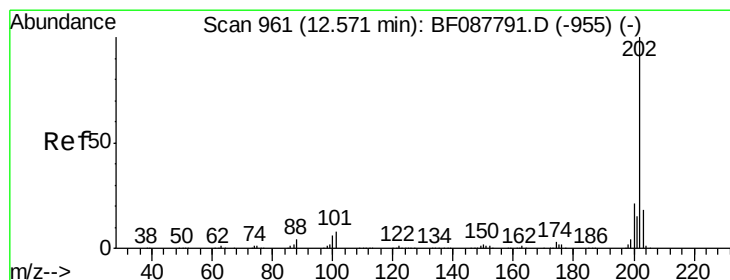
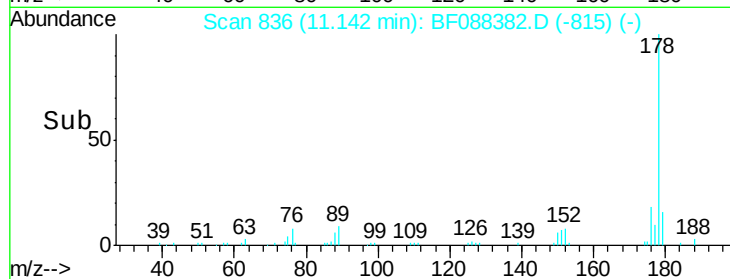
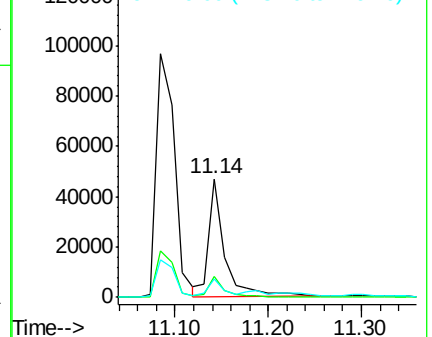
179 15.9 12.8 19.2



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: 27.29 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF088382.D

Acq: 25 Jun 2016 17:43

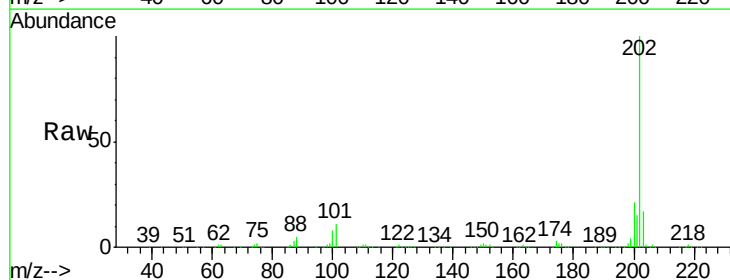
Tgt Ion:202 Resp: 328117

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.1

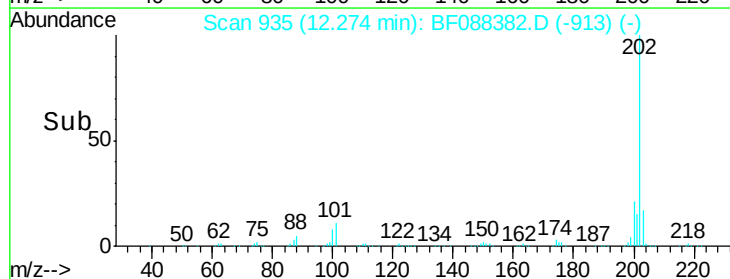
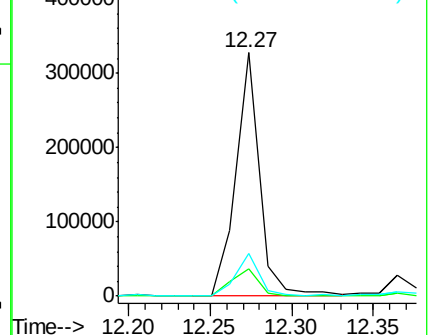
203 17.4 0.0 38.1

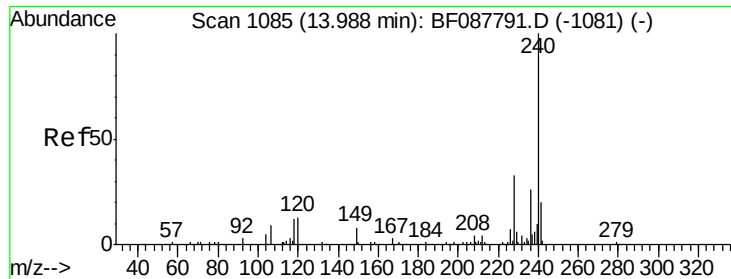


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF088382.D

Acq: 25 Jun 2016 17:43

Instrument :

BNA_F

ClientSampleId :

SC-STA-1476(0-4)

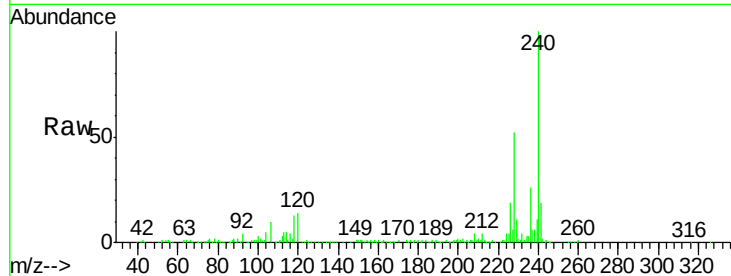
Tot Ion:240 Resp: 156491

Ion Ratio Lower Upper

240 100

120 14.3 6.8 10.2#

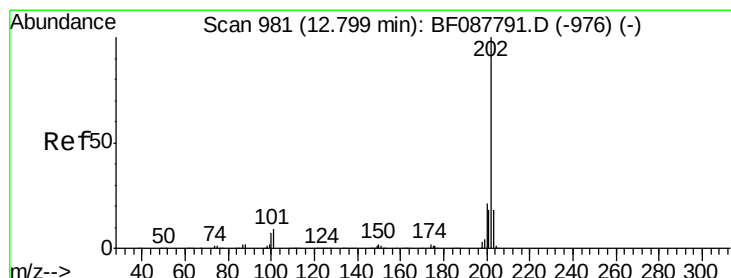
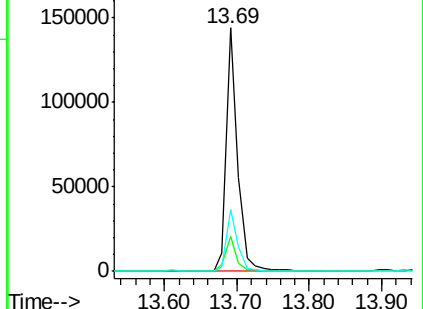
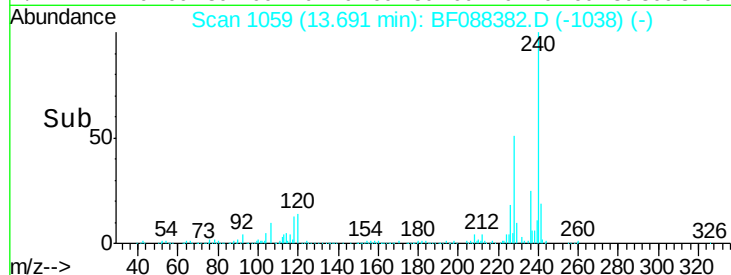
236 25.6 20.2 30.2



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

Pyrene

Concen: 22.41 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.05 min

Lab File: BF088382.D

Acq: 25 Jun 2016 17:43

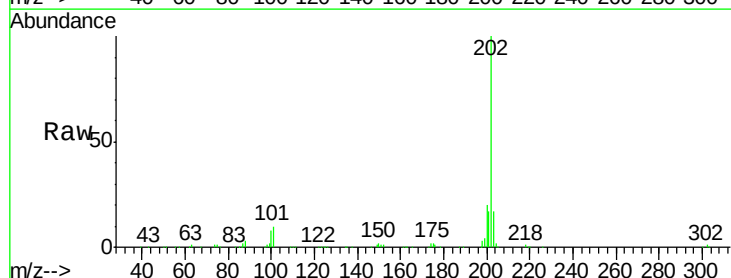
Tgt Ion:202 Resp: 260239

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

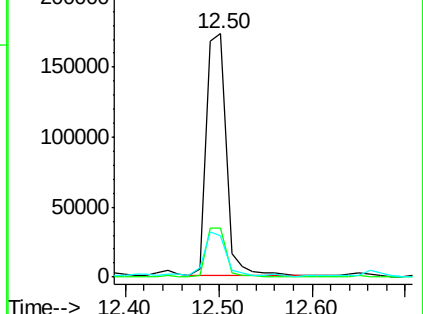
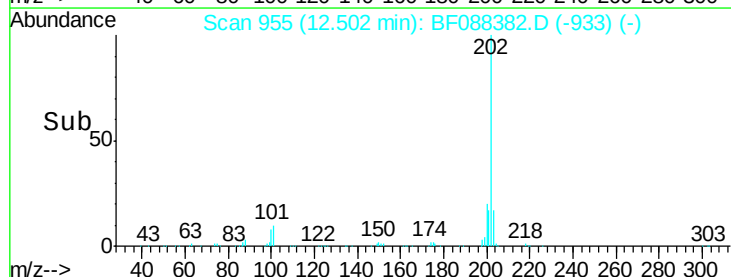
203 17.0 14.5 21.7

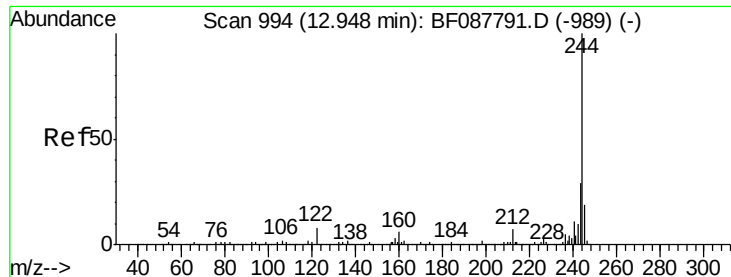


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

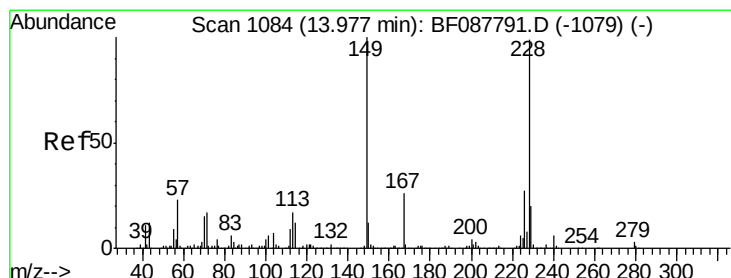
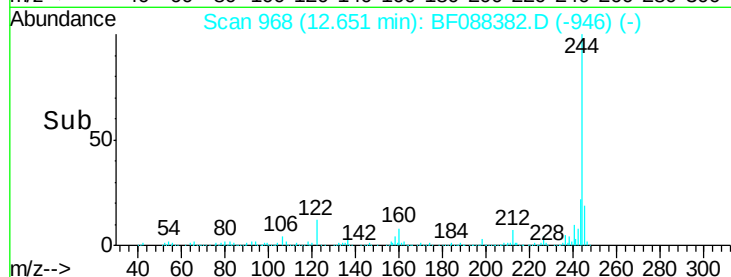
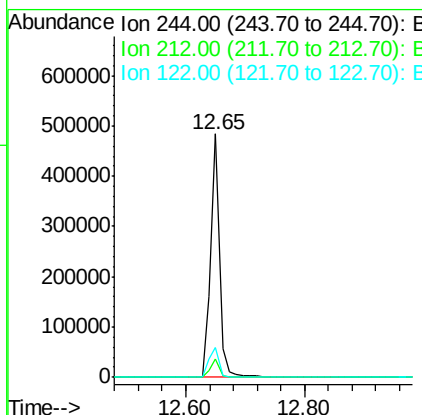
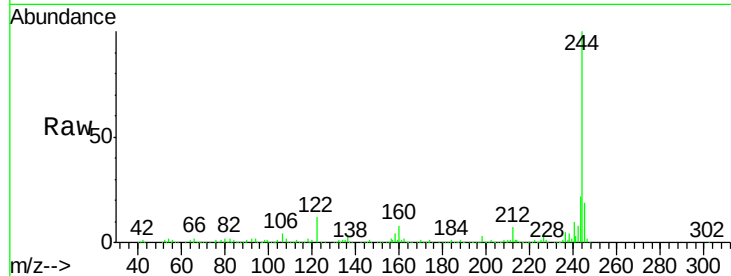




#78
 Terphenyl-d14
 Concen: 73.70 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.05 min
 Lab File: BF088382.D
 Acq: 25 Jun 2016 17:43

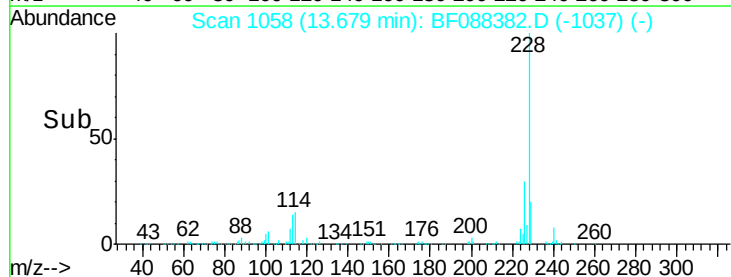
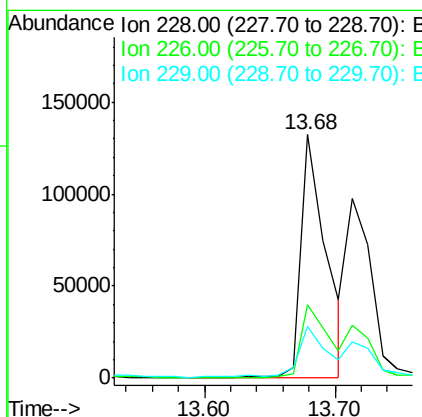
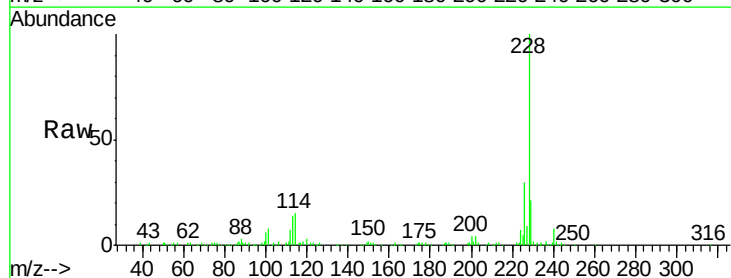
Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1476(0-4)

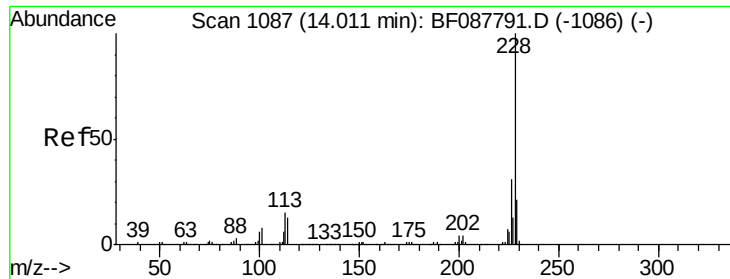
Tot Ion:244 Resp: 506845
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 12.3 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 19.95 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.06 min
 Lab File: BF088382.D
 Acq: 25 Jun 2016 17:43

Tgt Ion:228 Resp: 177869
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.3 33.5
 229 21.0 16.0 24.0





#82

Chrysene

Concen: 15.70 ng/mL

RT: 13.71 min Scan# 1061

Delta R.T. -0.06 min

Lab File: BF088382.D

Acq: 25 Jun 2016 17:43

Instrument:

BNA_F

ClientSampleID:

SC-STA-1476(0-4)

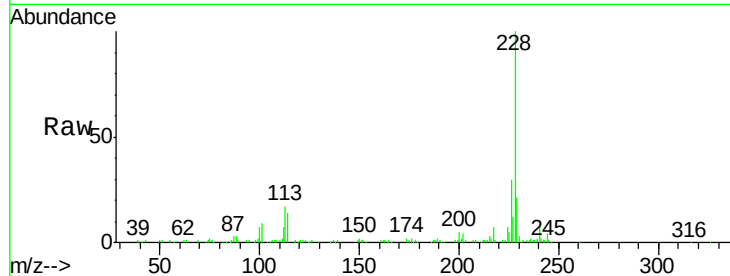
Tot Ion: 228 Resp: 131749

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.2

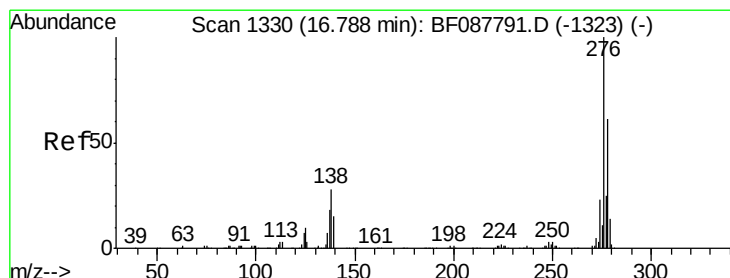
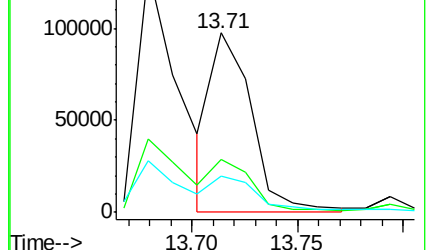
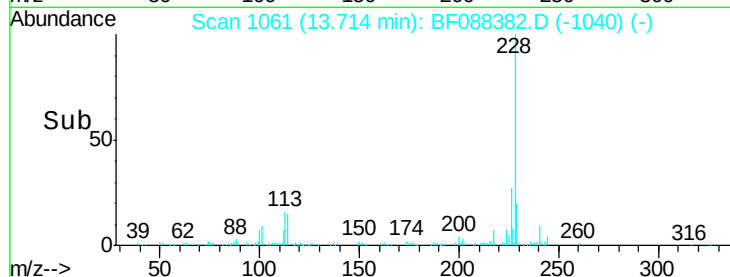
229 20.5 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.69 ng/mL

RT: 16.29 min Scan# 1286

Delta R.T. -0.08 min

Lab File: BF088382.D

Acq: 25 Jun 2016 17:43

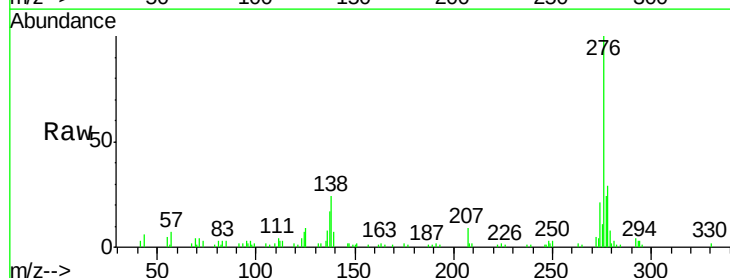
Tgt Ion: 276 Resp: 52118

Ion Ratio Lower Upper

276 100

138 27.3 0.0 0.0#

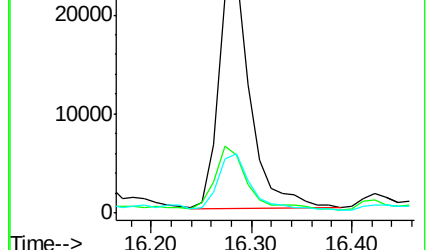
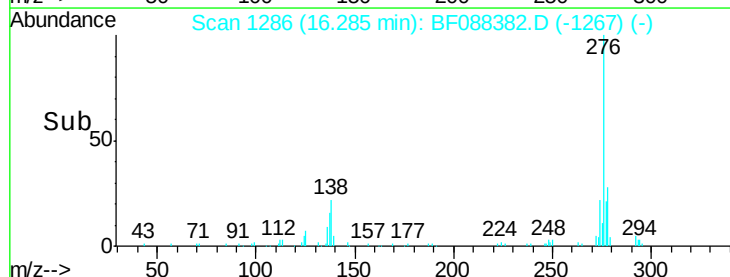
277 24.5 0.0 0.0#

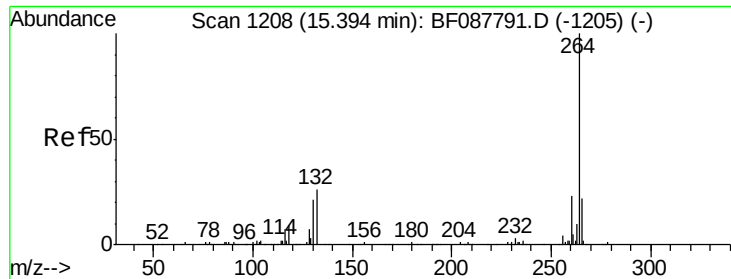


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

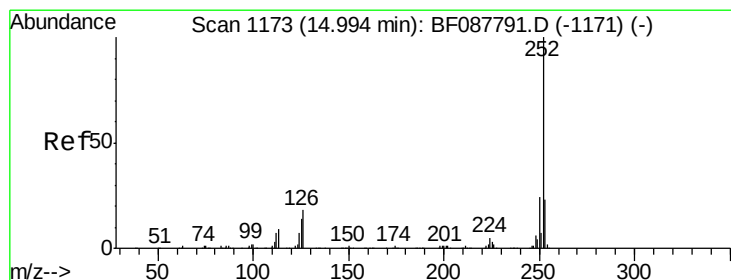
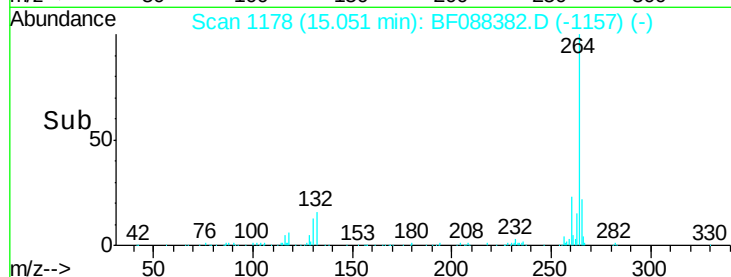
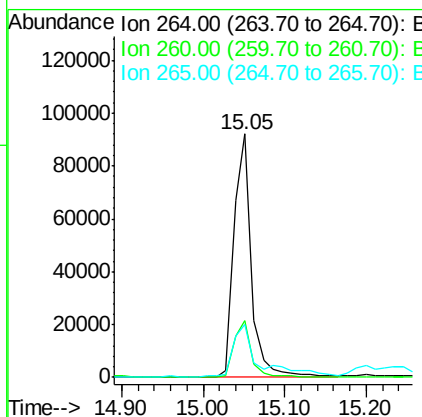
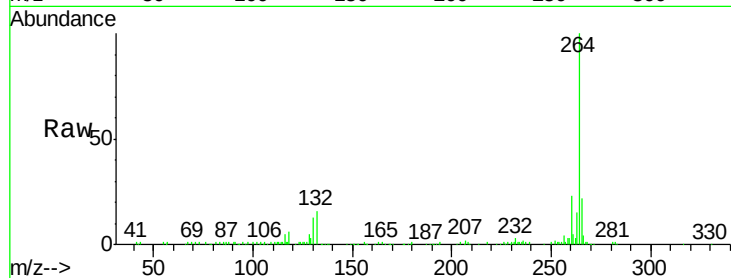




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF088382.D
Acq: 25 Jun 2016 17:43

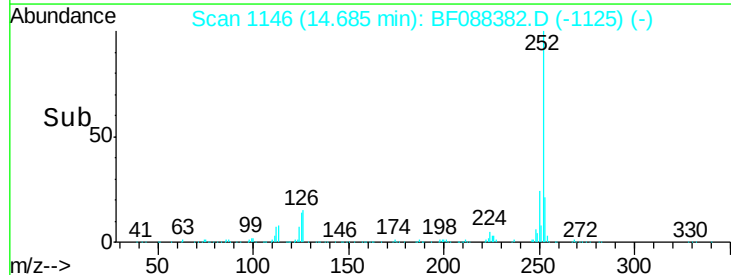
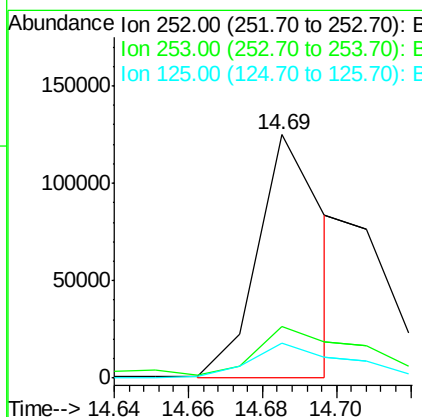
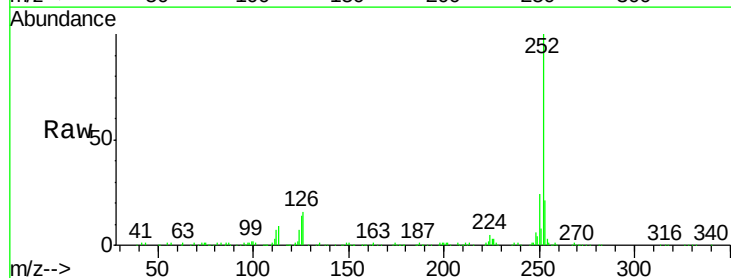
Instrument :
BNA_F
ClientSampleId :
SC-STA-1476(0-4)

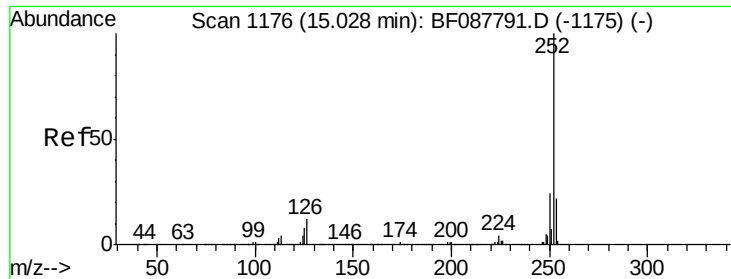
Tot Ion:264 Resp: 138017
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.8 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 16.50 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF088382.D
Acq: 25 Jun 2016 17:43

Tgt Ion:252 Resp: 158696
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 14.4 7.1 10.7#

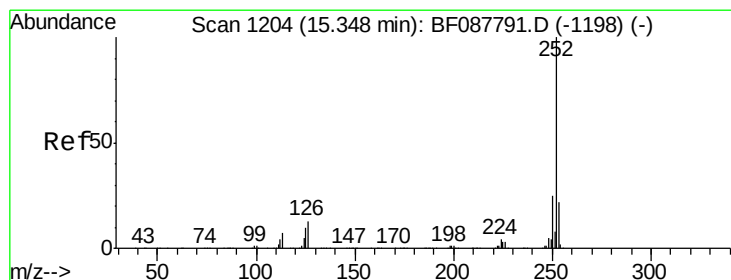
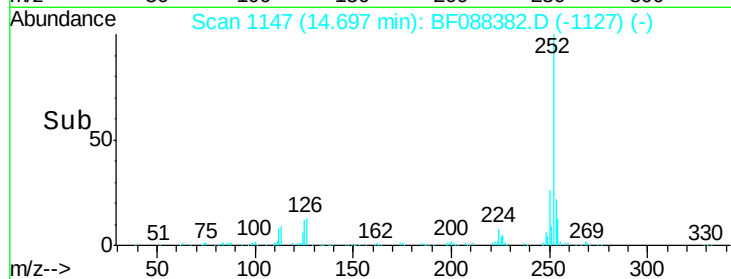
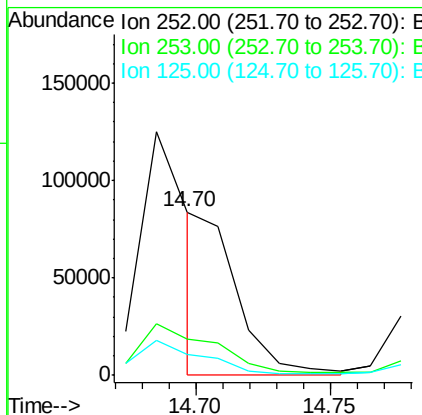
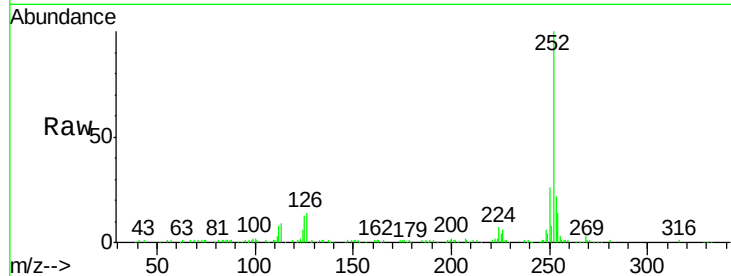




#88
Benzo(k)fluoranthene
Concen: 10.54 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.07 min
Lab File: BF088382.D
Acq: 25 Jun 2016 17:43

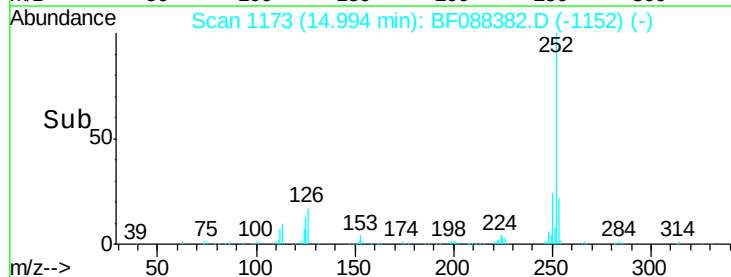
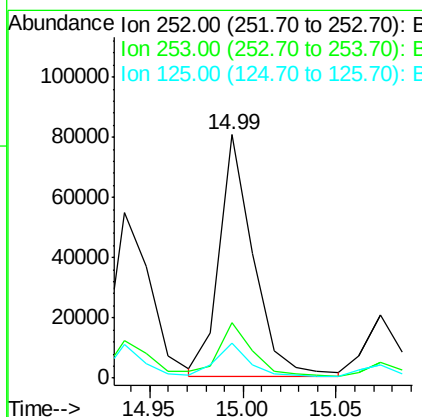
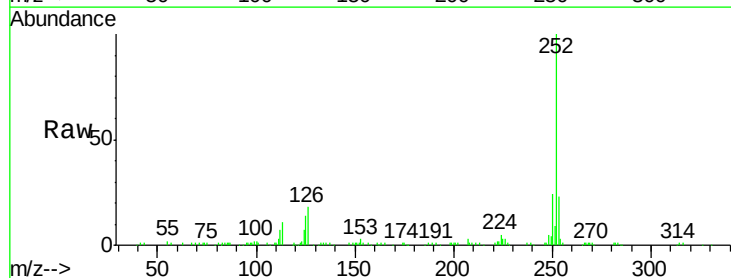
Instrument :
BNA_F
ClientSampleId :
SC-STA-1476(0-4)

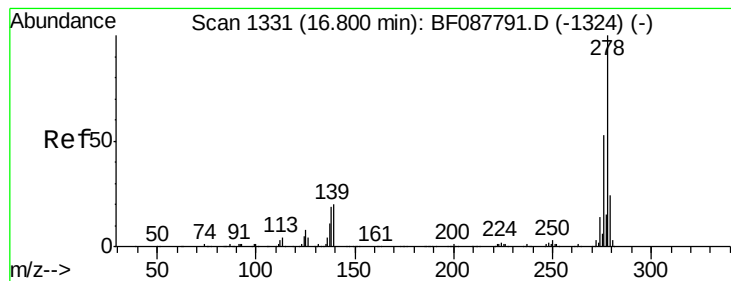
Tot Ion:252 Resp: 76449
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 12.7 11.2 16.8



#89
Benzo(a)pyrene
Concen: 13.16 ng
RT: 14.99 min Scan# 1173
Delta R.T. -0.06 min
Lab File: BF088382.D
Acq: 25 Jun 2016 17:43

Tgt Ion:252 Resp: 102454
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 14.2 12.5 18.7





#90

Dibenzo(a,h)anthracene

Concen: 2.38 ng

RT: 16.29 min Scan# 1286

Delta R.T. -0.08 min

Lab File: BF088382.D

Acq: 25 Jun 2016 17:43

Instrument :

BNA_F

ClientSampleId :

SC-STA-1476(0-4)

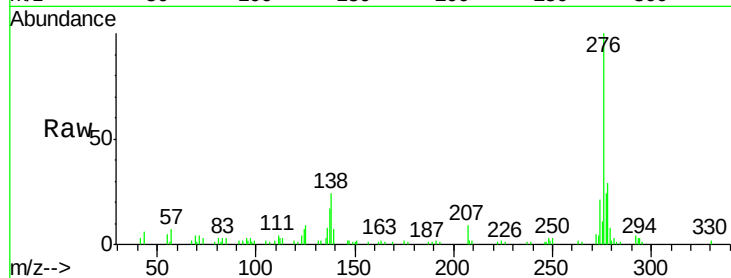
Tot Ion:278 Resp: 17196

Ion Ratio Lower Upper

278 100

139 23.4 15.7 23.5

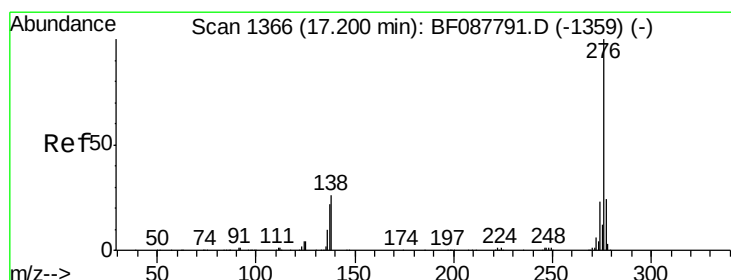
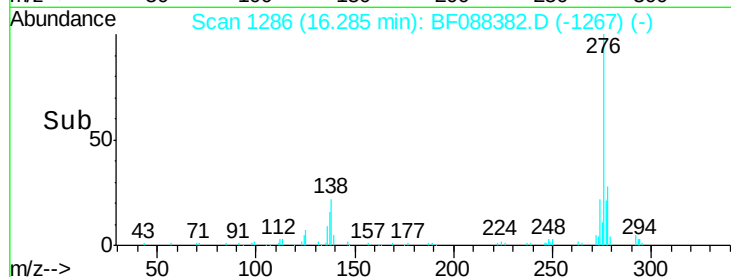
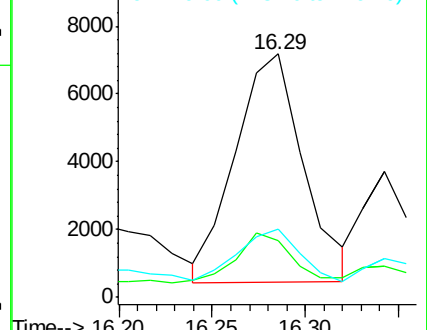
279 27.8 19.4 29.2



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: 5.42 ng

RT: 16.65 min Scan# 1318

Delta R.T. -0.09 min

Lab File: BF088382.D

Acq: 25 Jun 2016 17:43

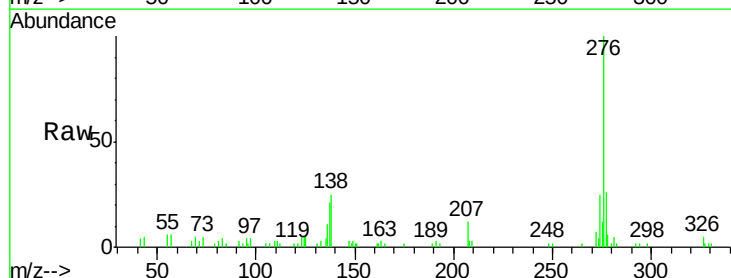
Tgt Ion:276 Resp: 40279

Ion Ratio Lower Upper

276 100

277 25.7 18.9 28.3

138 25.4 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

