

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
 Data File : BF088478.D
 Acq On : 28 Jun 2016 5:35
 Operator : UM/SJ
 Sample : H3624-08DL 2X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1486(0-4)DL

Quant Time: Jun 28 07:32:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 28 05:25:55 2016
 Response via : Initial Calibration

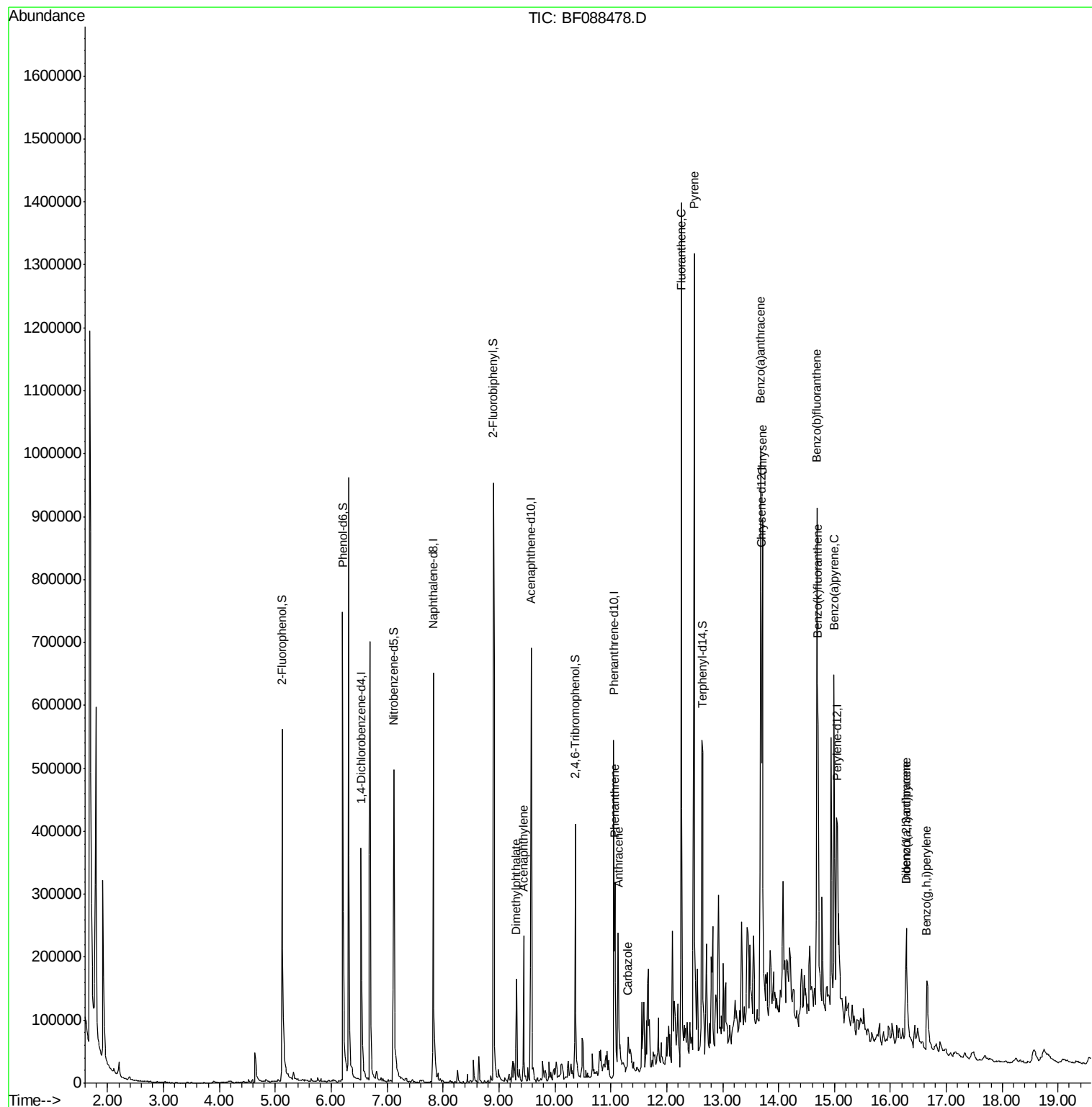
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	81490	20.00	ng	-0.01
21) Naphthalene-d8	7.83	136	330156	20.00	ng	-0.01
38) Acenaphthene-d10	9.58	164	144275	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	228910	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	166517	20.00	ng	0.00
86) Perylene-d12	15.05	264	177675	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	260304	54.61	ng	-0.01
7) Phenol-d6	6.20	99	376172	65.12	ng	-0.02
23) Nitrobenzene-d5	7.12	82	244140	43.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	54224	35.59	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	440092	45.34	ng	-0.02
78) Terphenyl-d14	12.64	244	236792	32.36	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.44	152	108196	7.29	ng	99
49) Dimethylphthalate	9.31	163	66749	6.39	ng	98
70) Phenanthrene	11.07	178	136702	11.38	ng	97
71) Anthracene	11.13	178	122542	10.11	ng	98
72) Carbazole	11.30	167	26419	2.33	ng	# 92
74) Fluoranthene	12.26	202	582620	45.96	ng	99
77) Pyrene	12.49	202	571322	46.24	ng	100
80) Benzo(a)anthracene	13.68	228	401851	42.35	ng	97
82) Chrysene	13.71	228	273897m	30.68	ng	
85) Indeno(1,2,3-cd)pyrene	16.29	276	127559	15.38	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	384637m	31.06	ng	
88) Benzo(k)fluoranthene	14.70	252	177388m	18.99	ng	
89) Benzo(a)pyrene	14.99	252	259617	25.91	ng	97
90) Dibenzo(a,h)anthracene	16.29	278	28758m	3.09	ng	
91) Benzo(a,h,i)perylene	16.65	276	102831	10.74	ng	97

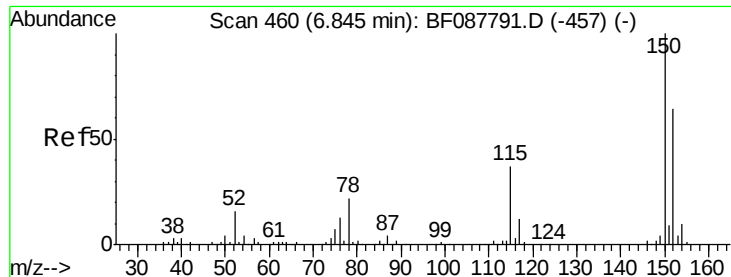
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
Data File : BF088478.D
Acq On : 28 Jun 2016 5:35
Operator : UM/SJ
Sample : H3624-08DL 2X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)DL

Quant Time: Jun 28 07:32:13 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 28 05:25:55 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SC-STA-1486(0-4)DL

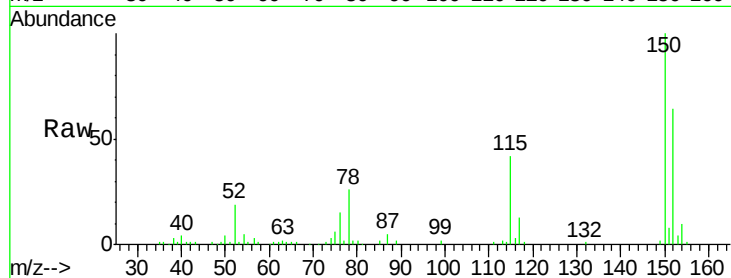
Tot Ion:152 Resp: 81490

Ion Ratio Lower Upper

152 100

150 157.5 123.8 185.6

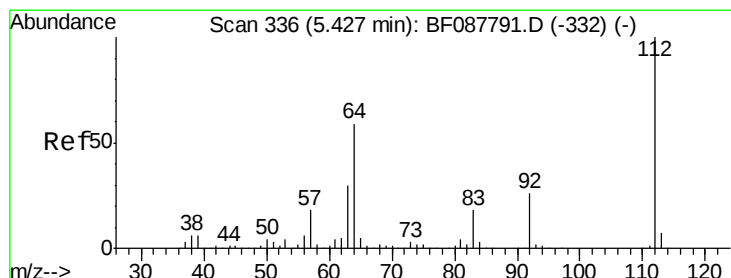
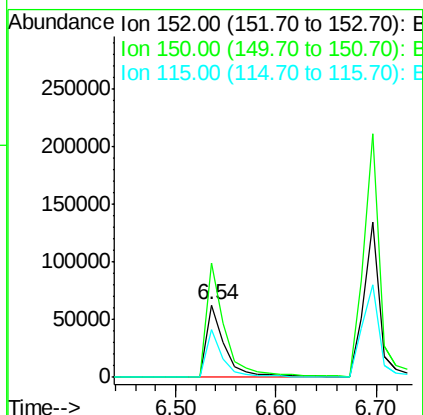
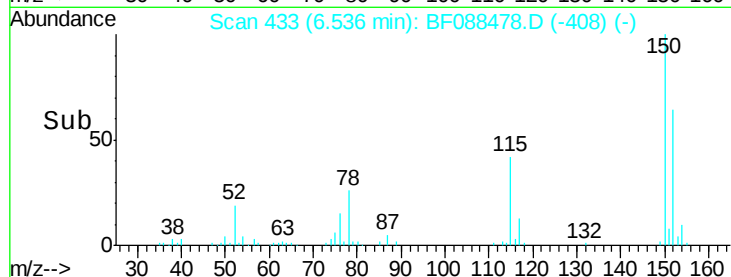
115 65.4 39.6 59.4#



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: 54.61 ng

RT: 5.12 min Scan# 309

Delta R.T. -0.01 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

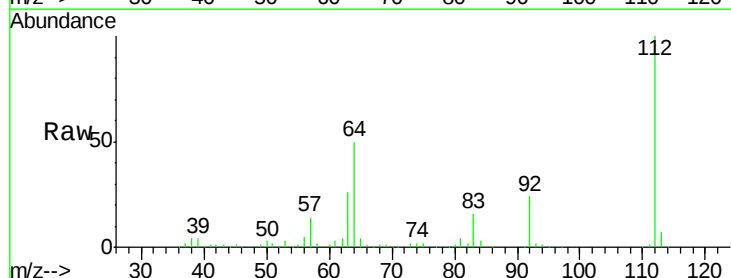
Tgt Ion:112 Resp: 260304

Ion Ratio Lower Upper

112 100

64 49.6 42.2 63.2

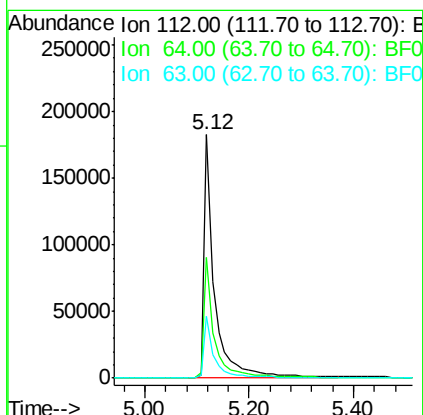
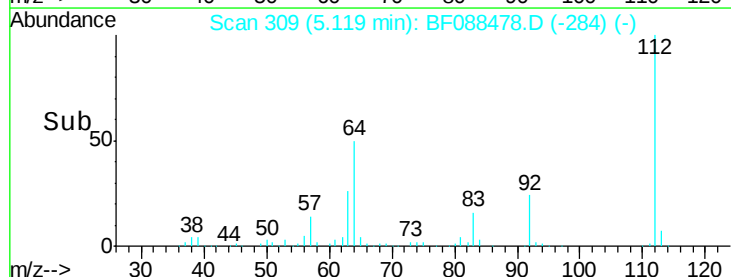
63 25.6 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 65.12 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SC-STA-1486(0-4)DL

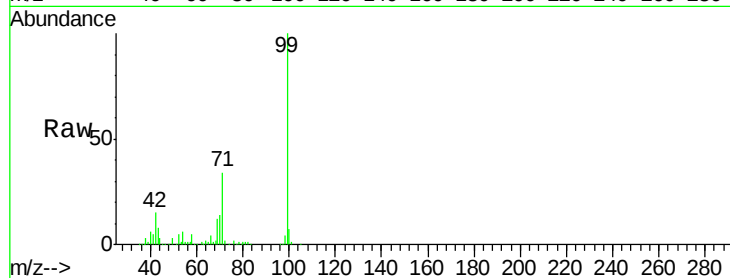
Tot Ion: 99 Resp: 376172

Ion Ratio Lower Upper

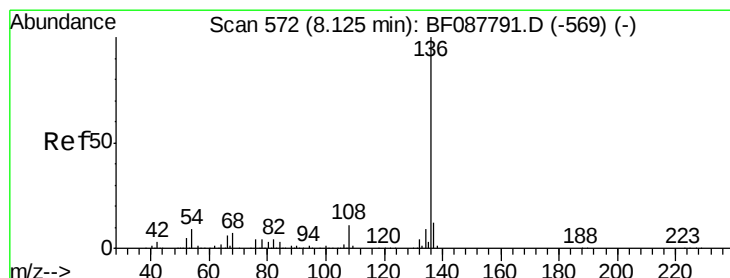
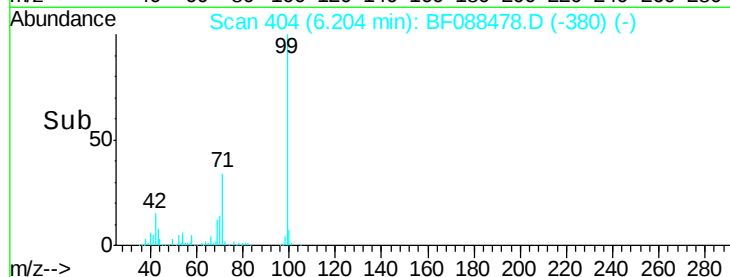
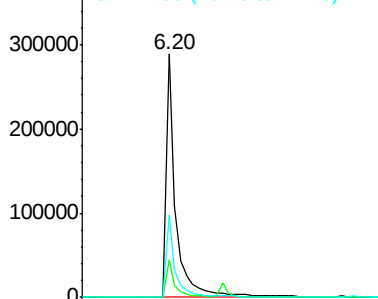
99 100

42 15.2 12.2 18.2

71 33.6 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

Tgt Ion: 136 Resp: 330156

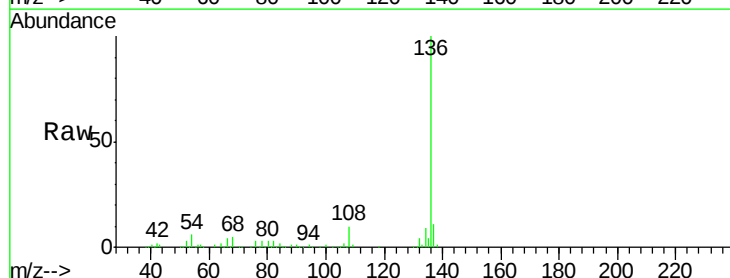
Ion Ratio Lower Upper

136 100

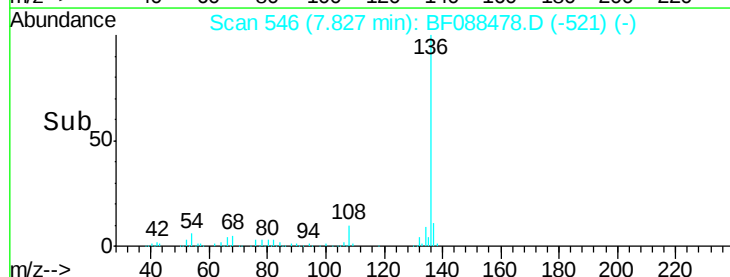
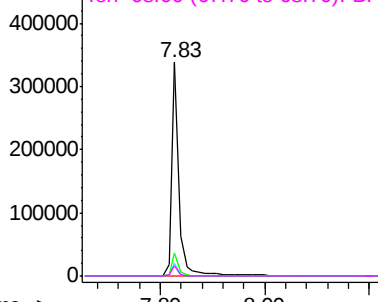
137 10.9 9.1 13.7

54 6.1 6.6 10.0#

68 5.0 5.1 7.7#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

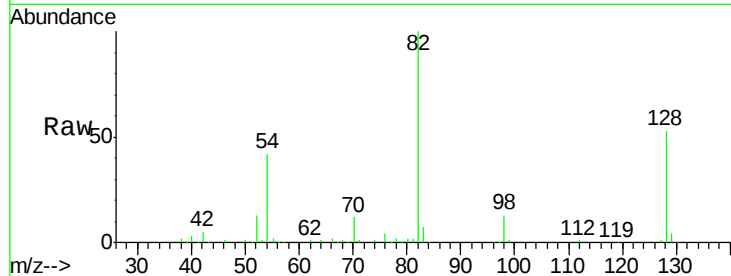




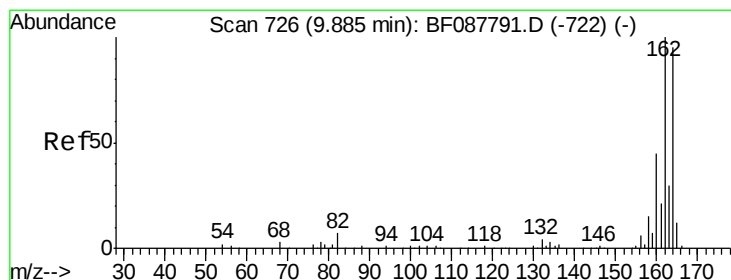
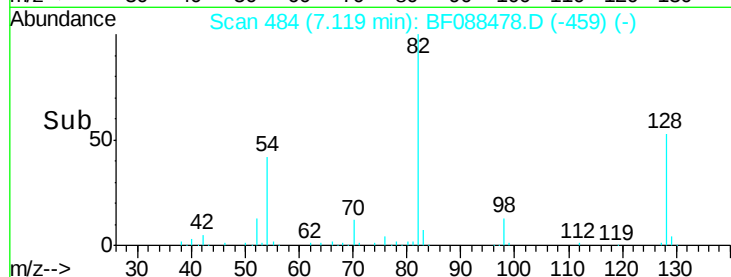
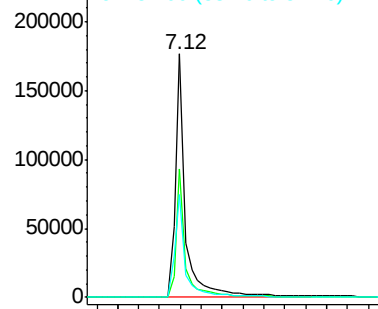
#23
 Nitrobenzene-d5
 Concen: 43.18 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: BF088478.D
 Acq: 28 Jun 2016 5:35

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1486(0-4)DL

Tot Ion: 82 Resp: 244140
 Ion Ratio Lower Upper
 82 100
 128 52.7 35.9 53.9
 54 42.0 40.9 61.3

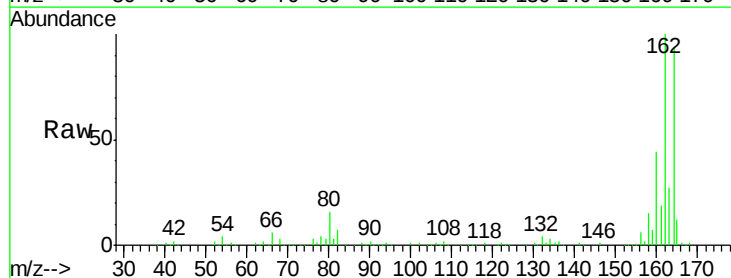


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

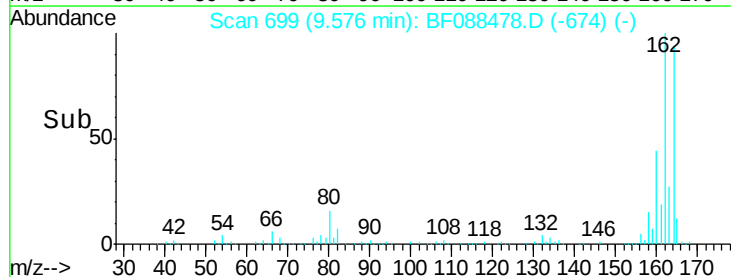
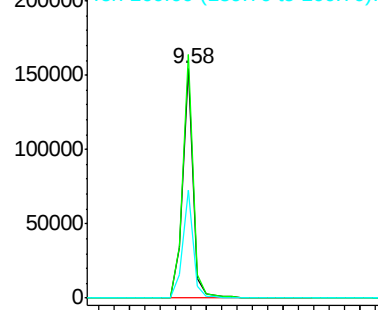


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF088478.D
 Acq: 28 Jun 2016 5:35

Tgt Ion:164 Resp: 144275
 Ion Ratio Lower Upper
 164 100
 162 106.3 85.4 128.2
 160 47.2 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

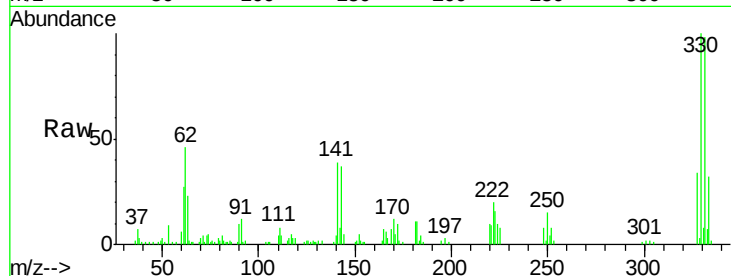




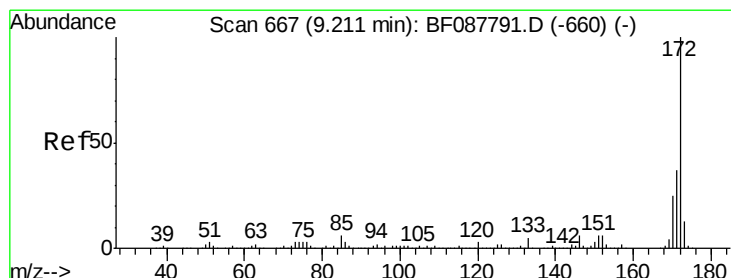
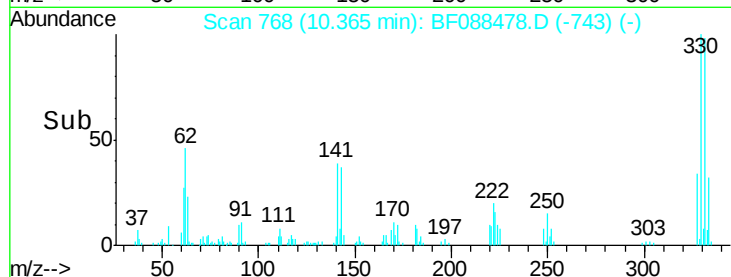
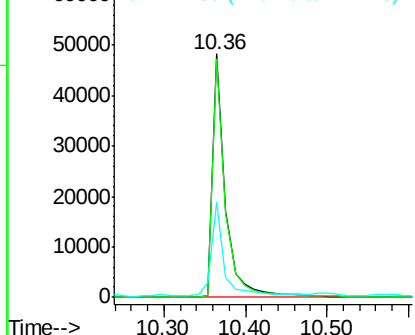
#41
 2,4,6-Tribromophenol
 Concen: 35.59 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF088478.D
 Acq: 28 Jun 2016 5:35

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1486(0-4)DL

Tot Ion:330 Resp: 54224
 Ion Ratio Lower Upper
 330 100
 332 97.7 0.0 0.0#
 141 41.4 0.0 0.0#

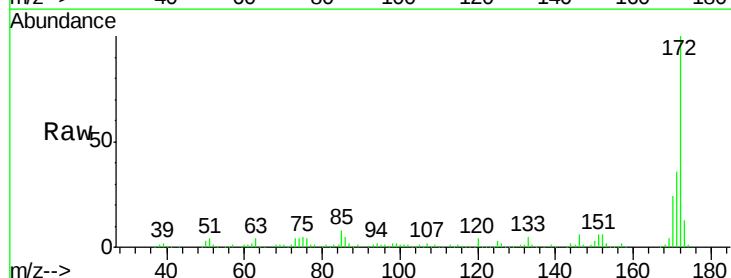


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

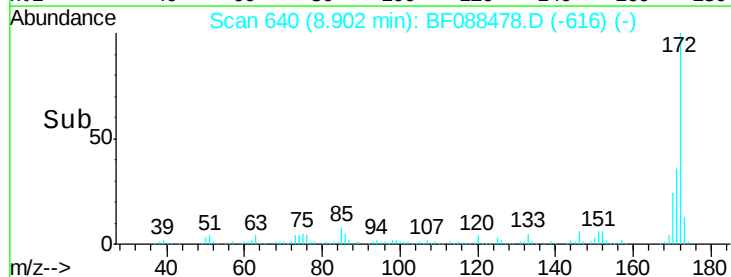
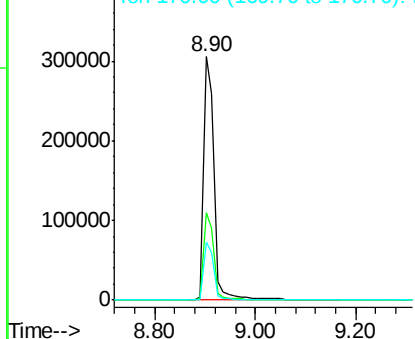


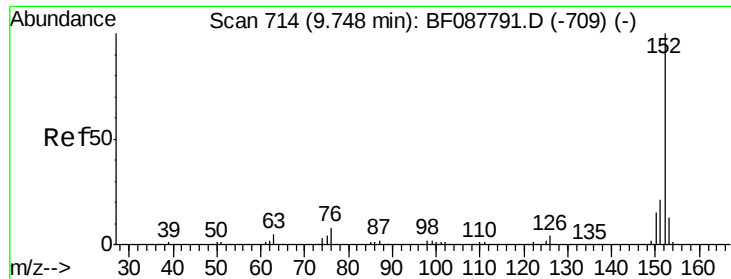
#44
 2-Fluorobiphenyl
 Concen: 45.34 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF088478.D
 Acq: 28 Jun 2016 5:35

Tgt Ion:172 Resp: 440092
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 23.8 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

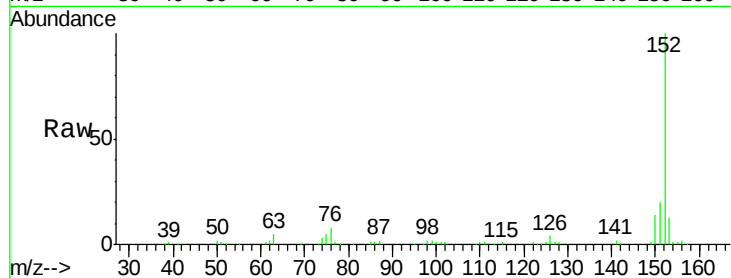




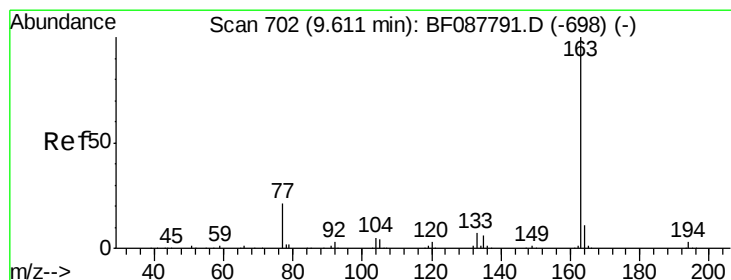
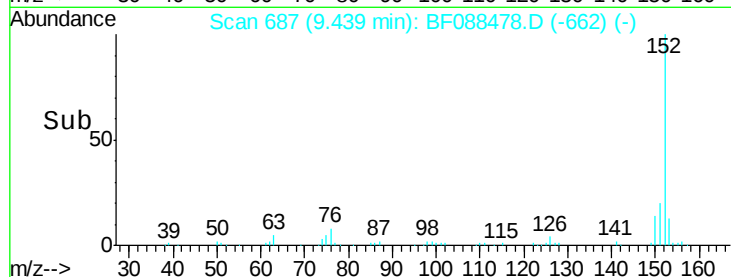
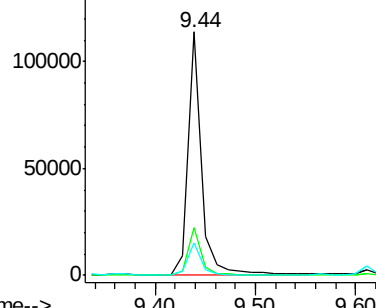
#48
Acenaphthylene
Concen: 7.29 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF088478.D
Acq: 28 Jun 2016 5:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)DL

Tot Ion:152 Resp: 108196
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.4
153 13.2 11.0 16.6

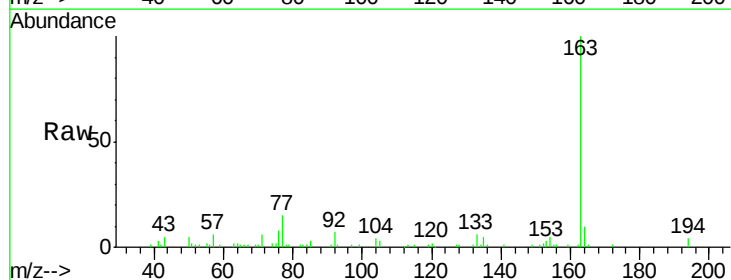


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

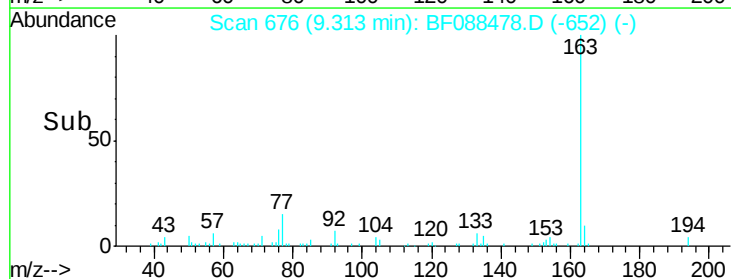
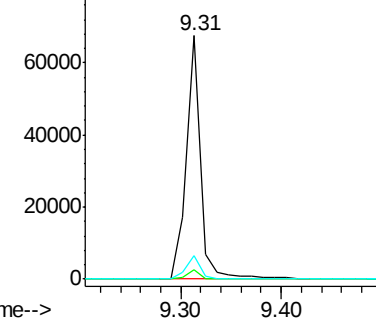


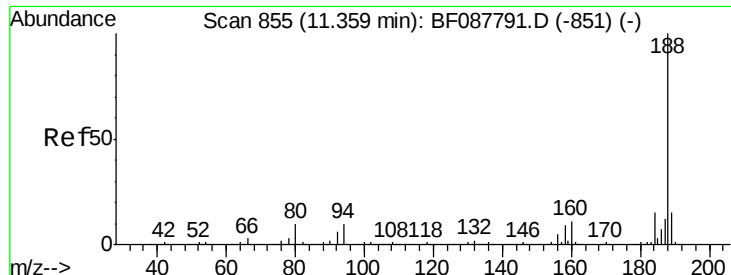
#49
Dimethylphthalate
Concen: 6.39 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.02 min
Lab File: BF088478.D
Acq: 28 Jun 2016 5:35

Tgt Ion:163 Resp: 66749
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 9.6 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

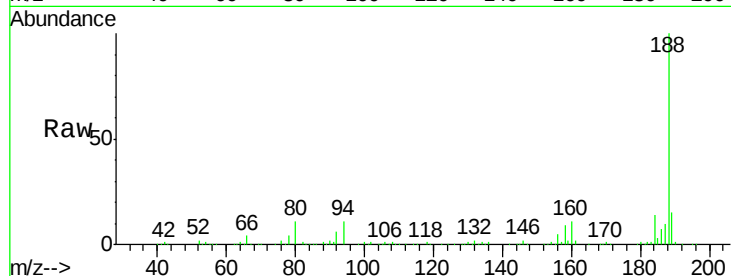




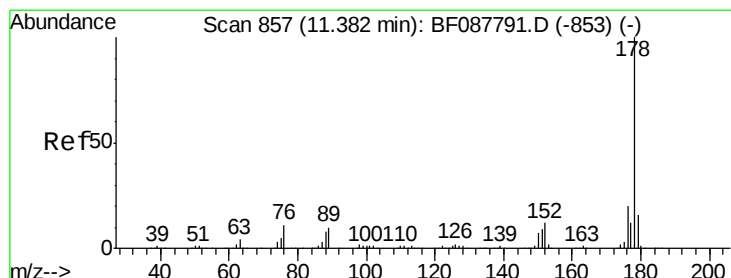
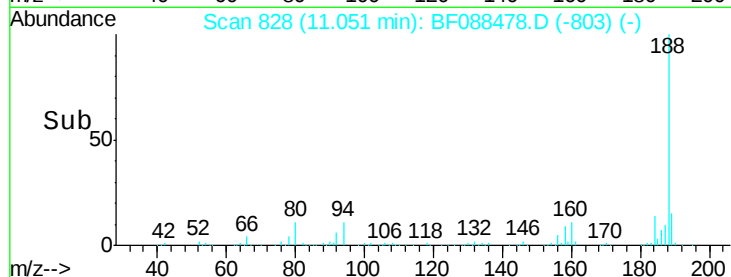
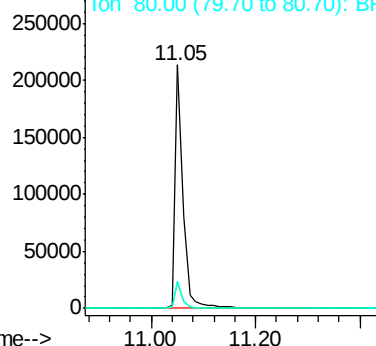
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF088478.D
Acq: 28 Jun 2016 5:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)DL

Tot Ion:188 Resp: 228910
Ion Ratio Lower Upper
188 100
94 10.9 9.0 13.6
80 11.2 10.0 15.0

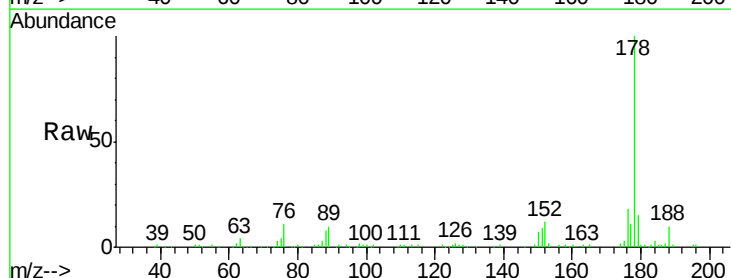


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

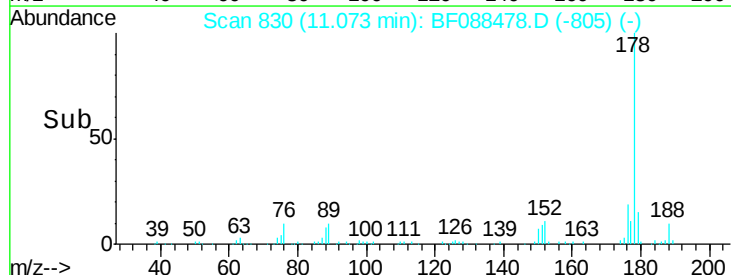
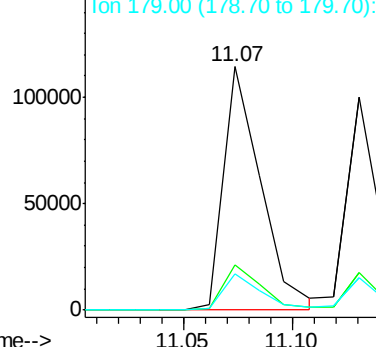


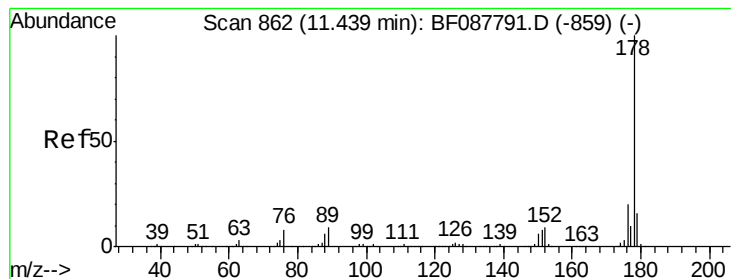
#70
Phenanthrene
Concen: 11.38 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF088478.D
Acq: 28 Jun 2016 5:35

Tgt Ion:178 Resp: 136702
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 14.9 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: 10.11 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SC-STA-1486(0-4)DL

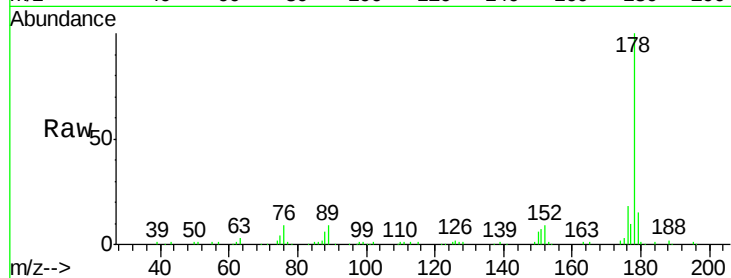
Tot Ion:178 Resp: 122542

Ion Ratio Lower Upper

178 100

176 18.0 15.6 23.4

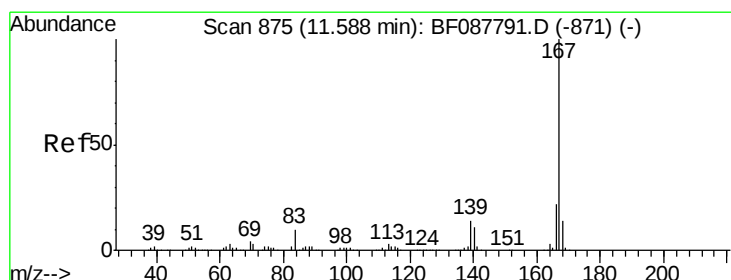
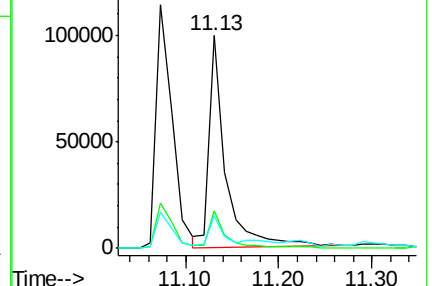
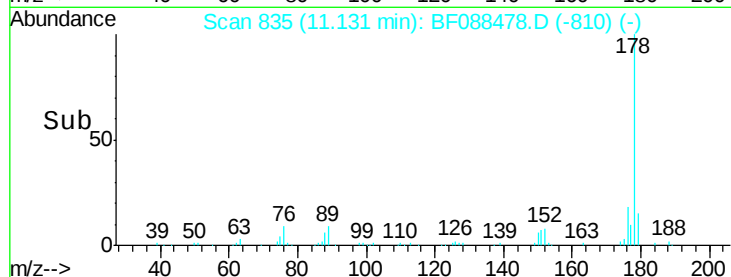
179 15.4 12.8 19.2



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



#72

Carbazole

Concen: 2.33 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

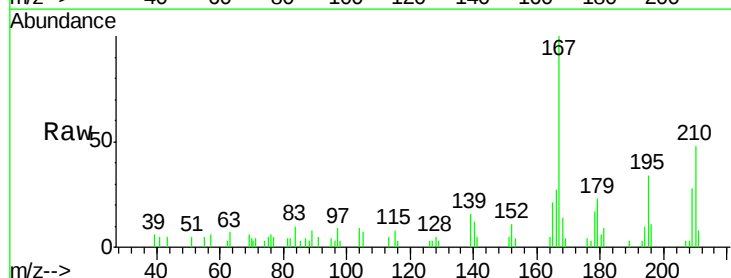
Tgt Ion:167 Resp: 26419

Ion Ratio Lower Upper

167 100

166 27.0 17.8 26.6#

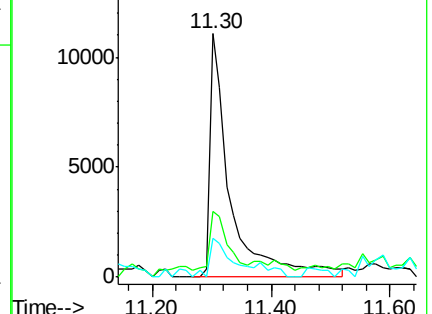
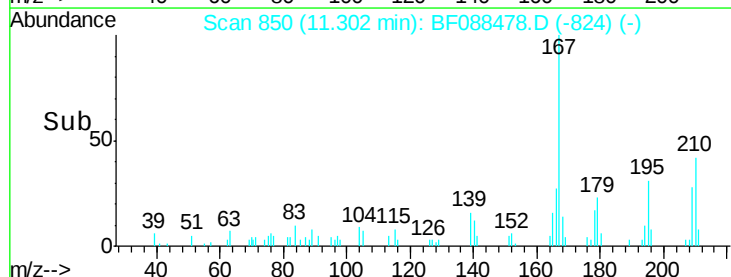
139 15.7 11.2 16.8

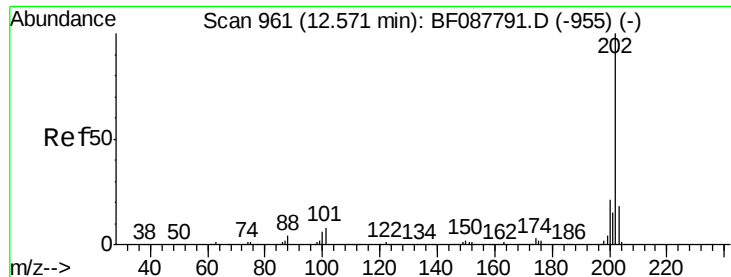


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 45.96 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SC-STA-1486(0-4)DL

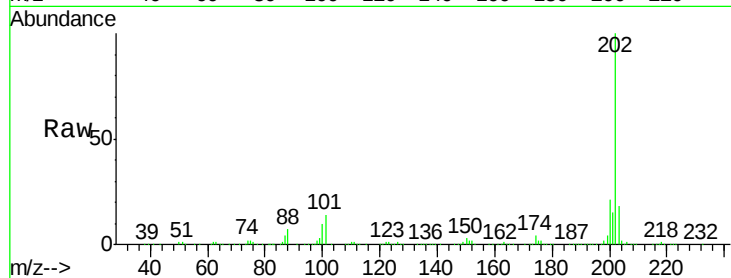
Tot Ion:202 Resp: 582620

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.1

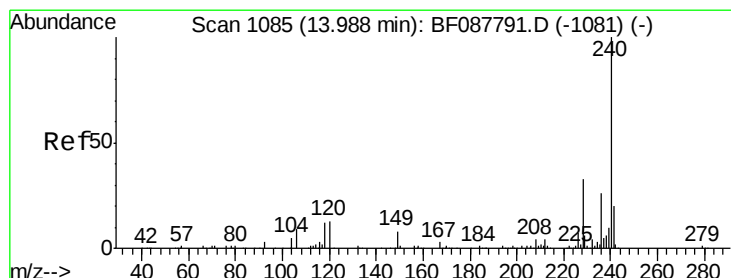
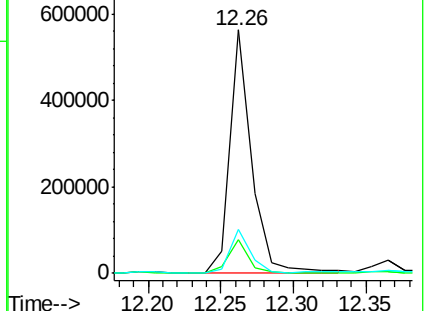
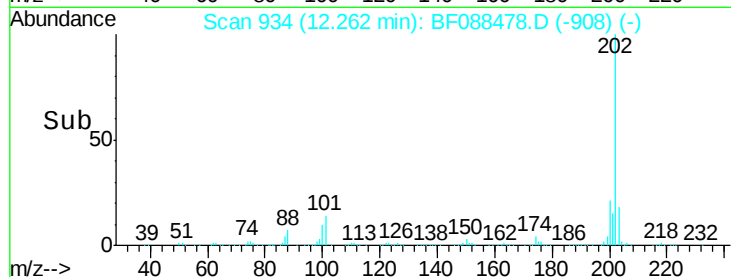
203 18.3 0.0 38.1



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. -0.00 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

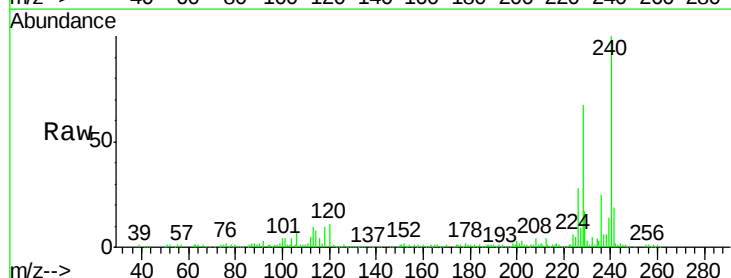
Tgt Ion:240 Resp: 166517

Ion Ratio Lower Upper

240 100

120 11.3 6.8 10.2#

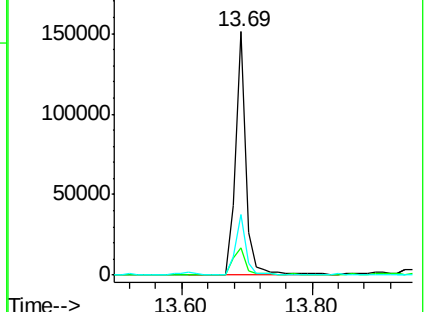
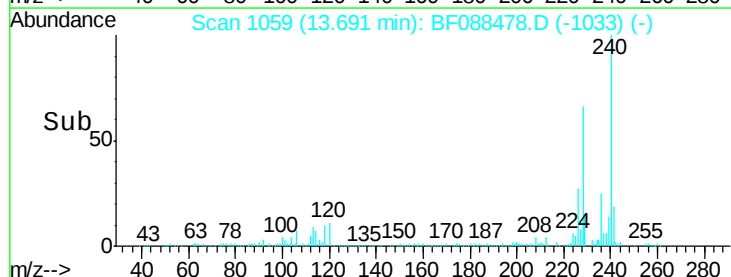
236 25.1 20.2 30.2

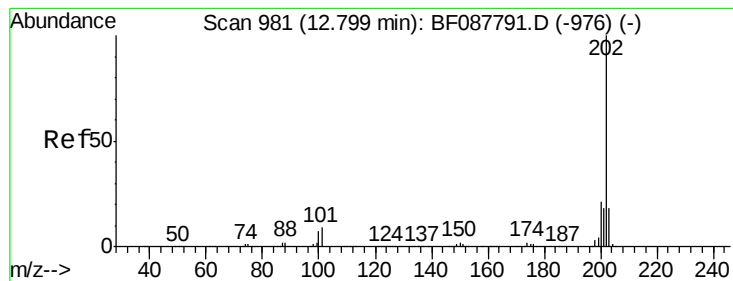


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 46.24 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SC-STA-1486(0-4)DL

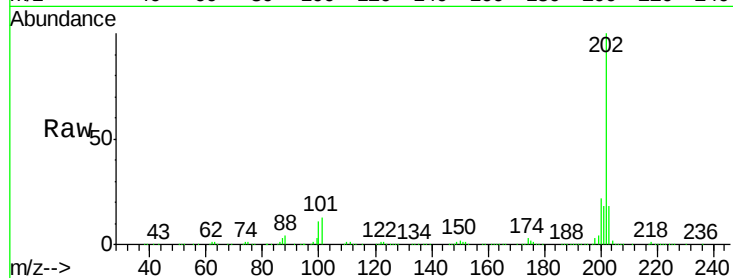
Tot Ion:202 Resp: 571322

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

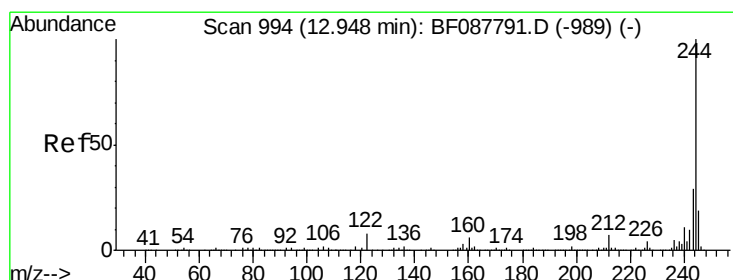
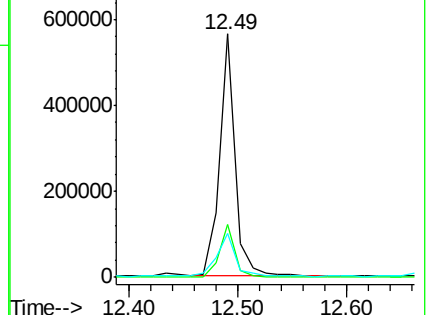
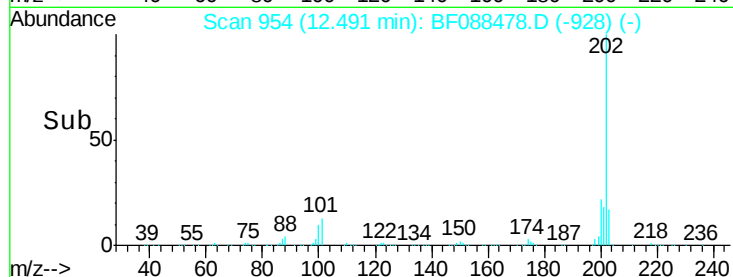
203 17.8 14.5 21.7



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: 32.36 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.00 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

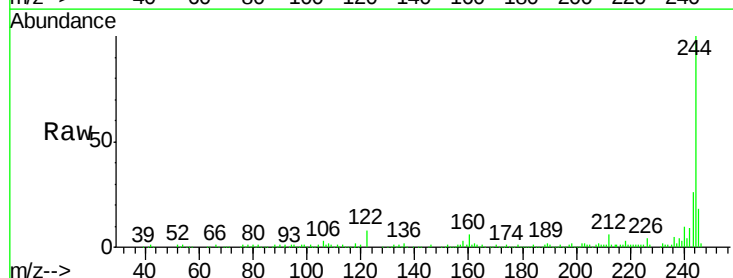
Tgt Ion:244 Resp: 236792

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

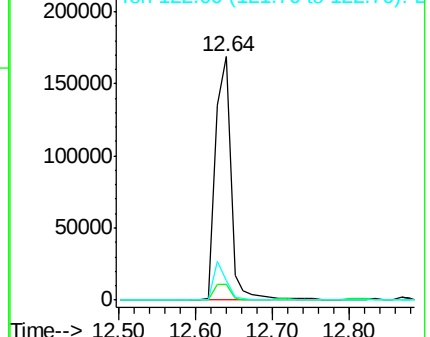
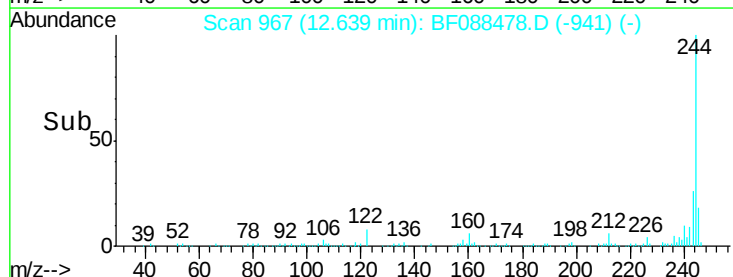
122 8.2 11.2 16.8#

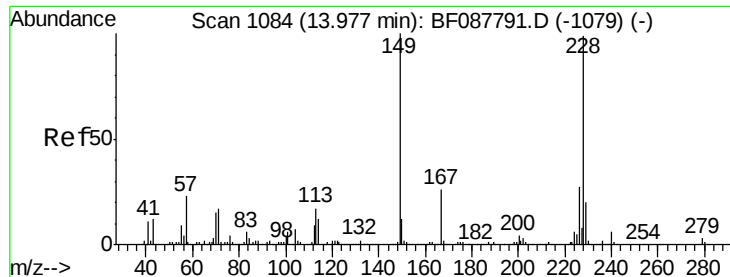


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 42.35 ng

RT: 13.68 min Scan# 1058

Delta R.T. 0.01 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SC-STA-1486(0-4)DL

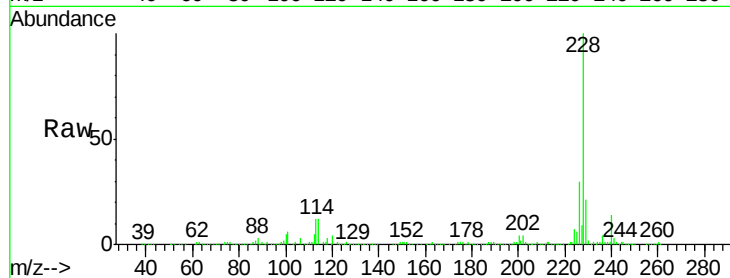
Tot Ion:228 Resp: 401851

Ion Ratio Lower Upper

228 100

226 30.0 22.3 33.5

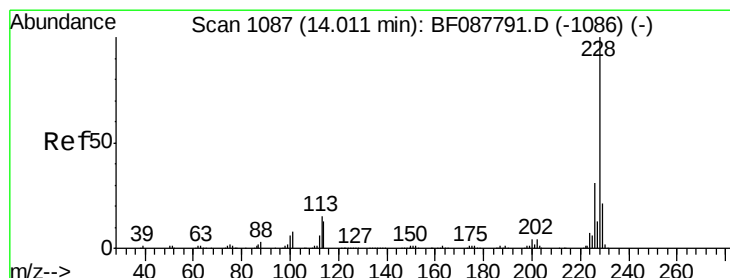
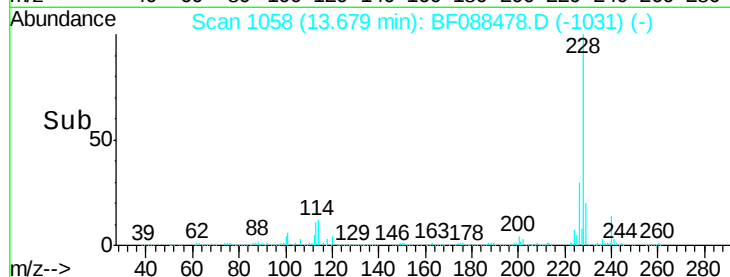
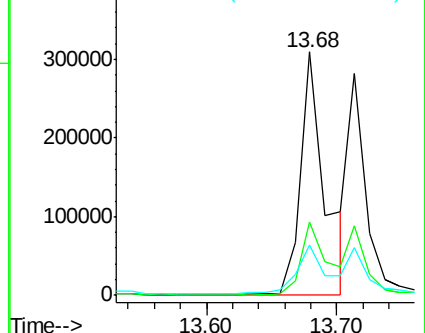
229 20.8 16.0 24.0



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: 30.68 ng m

RT: 13.71 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

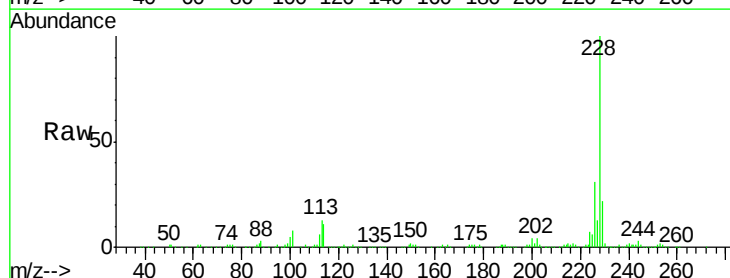
Tgt Ion:228 Resp: 273897

Ion Ratio Lower Upper

228 100

226 31.5 25.4 38.2

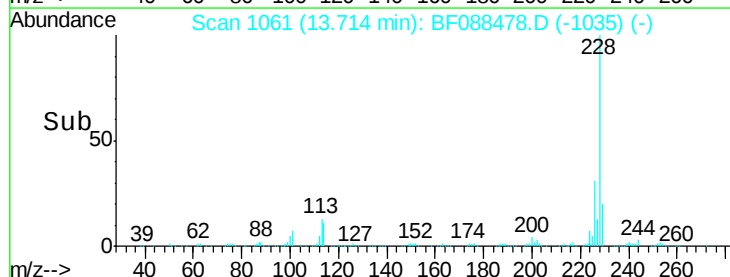
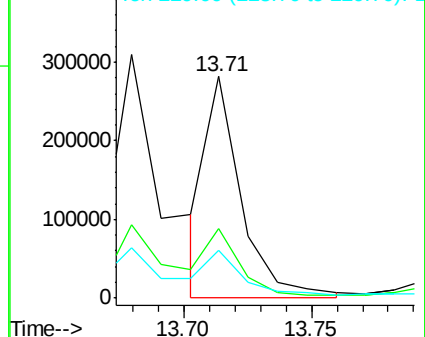
229 21.5 16.3 24.5

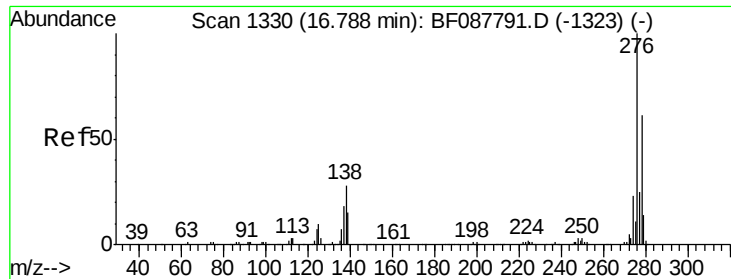


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.38 ng

RT: 16.29 min Scan# 1286

Delta R.T. 0.02 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SC-STA-1486(0-4)DL

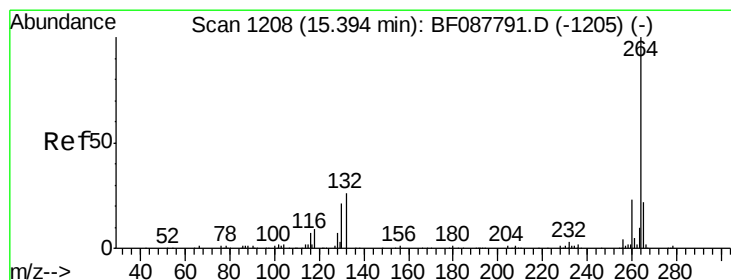
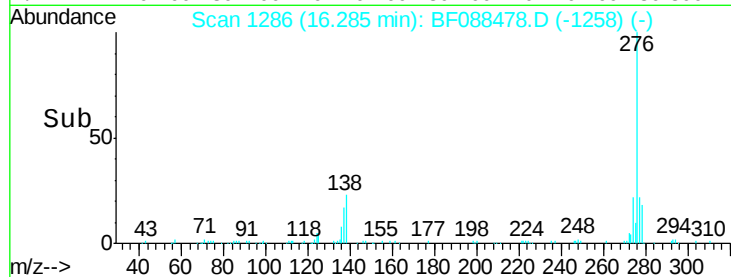
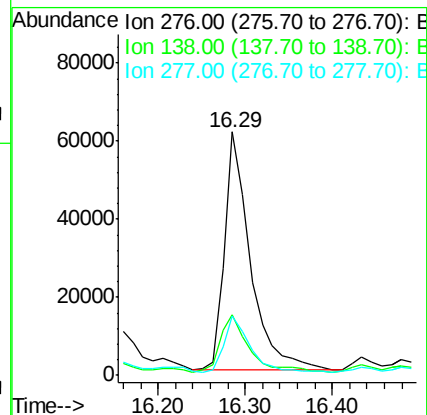
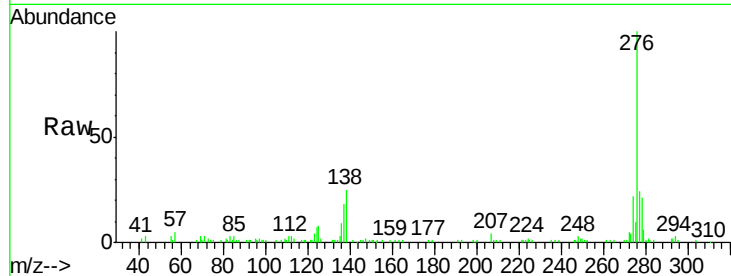
Tot Ion:276 Resp: 127559

Ion Ratio Lower Upper

276 100

138 26.2 0.0 0.0#

277 23.2 0.0 0.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.05 min Scan# 1178

Delta R.T. 0.02 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

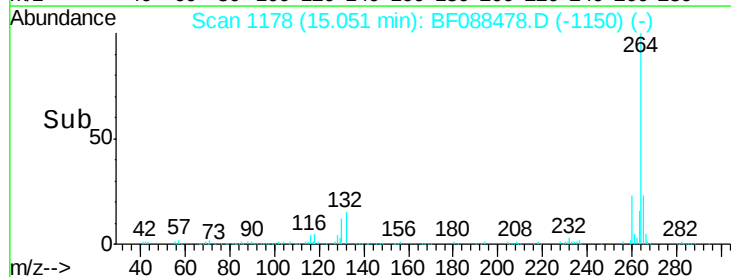
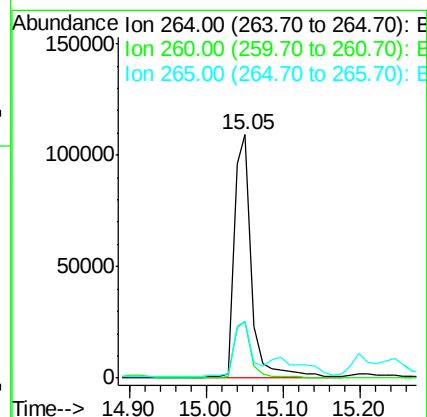
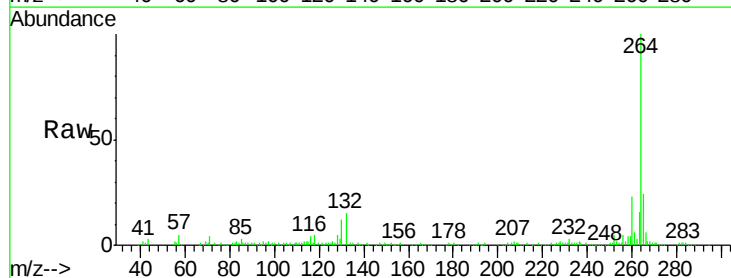
Tgt Ion:264 Resp: 177675

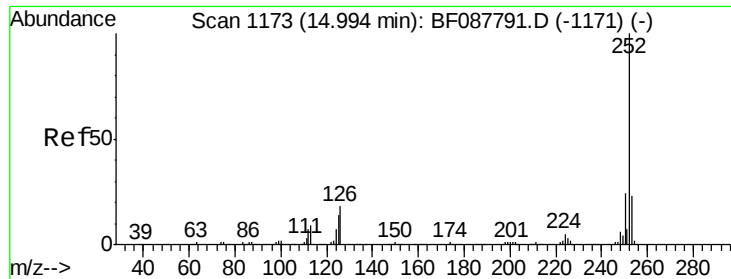
Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 23.5 16.9 25.3

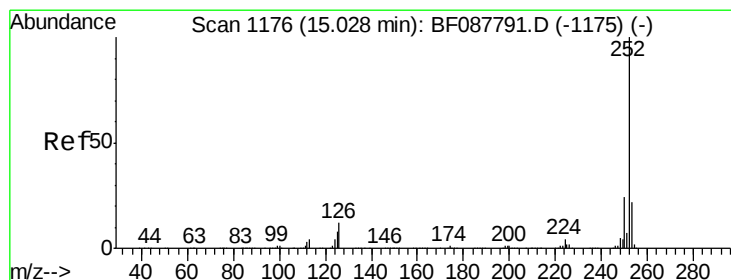
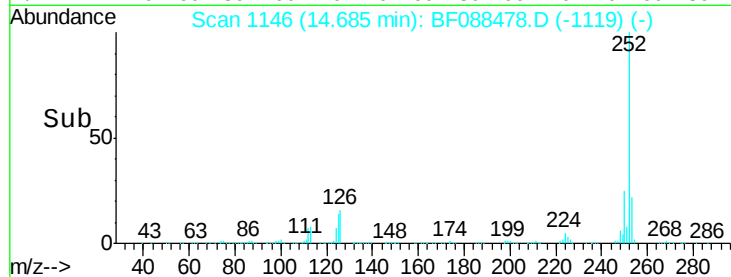
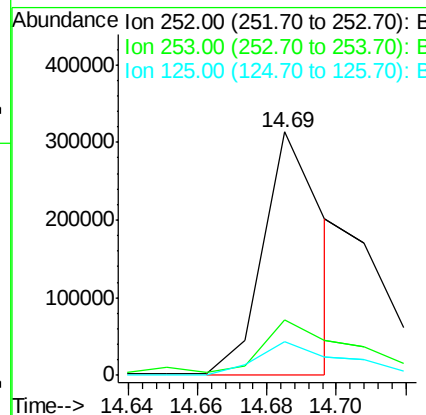
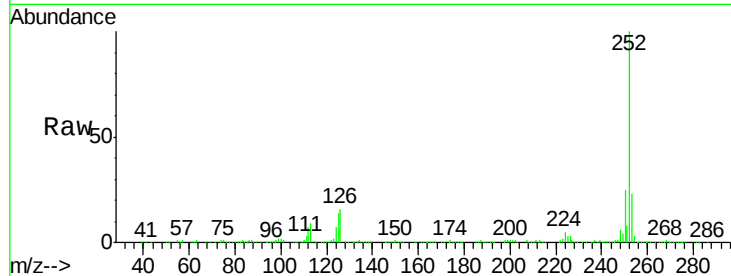




#87
Benzo(b)fluoranthene
Concen: 31.06 ng m
RT: 14.69 min Scan# 1146
Delta R.T. 0.01 min
Lab File: BF088478.D
Acq: 28 Jun 2016 5:35

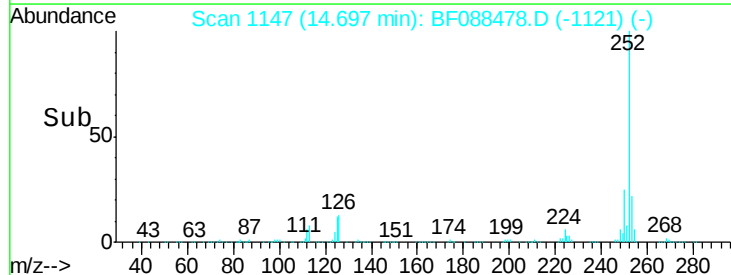
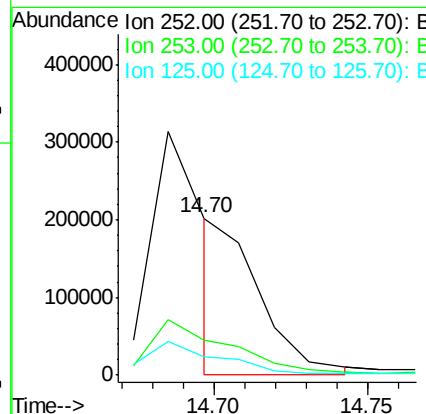
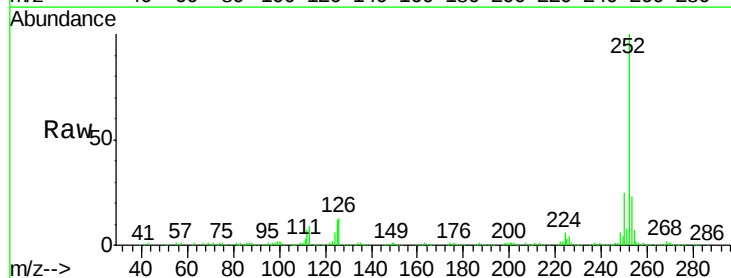
Instrument :
BNA_F
ClientSampleId :
SC-STA-1486(0-4)DL

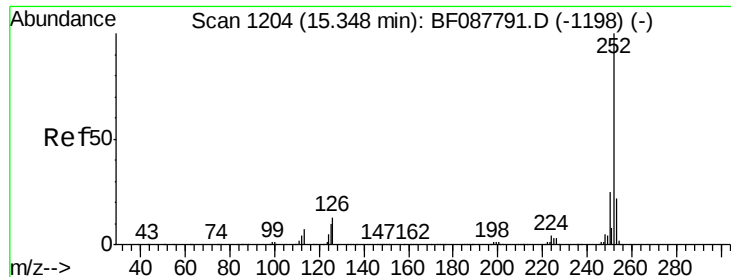
Tot Ion:252 Resp: 384637
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 14.1 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 18.99 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF088478.D
Acq: 28 Jun 2016 5:35

Tgt Ion:252 Resp: 177388
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 12.1 11.2 16.8





#89

Benzo(a)pyrene

Concen: 25.91 ng

RT: 14.99 min Scan# 1173

Delta R.T. 0.01 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SC-STA-1486(0-4)DL

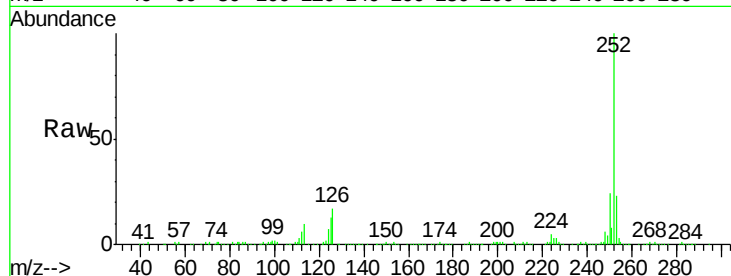
Tot Ion:252 Resp: 259617

Ion Ratio Lower Upper

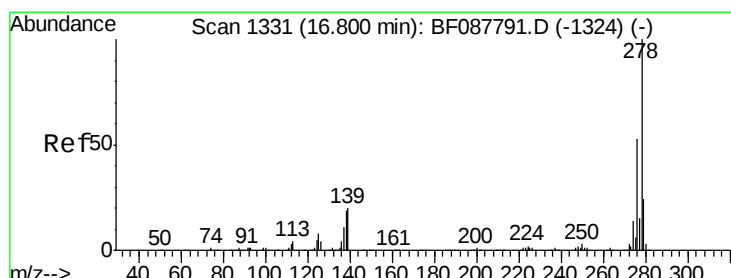
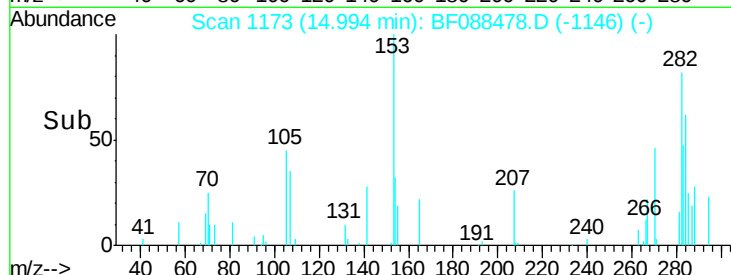
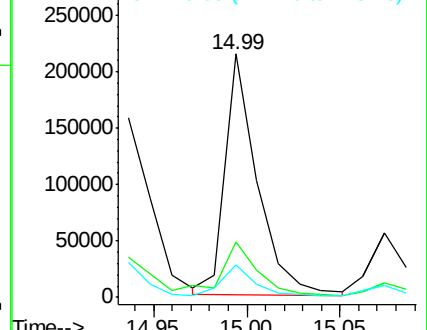
252 100

253 22.7 17.9 26.9

125 13.4 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



#90

Dibenzo(a,h)anthracene

Concen: 3.09 ng m

RT: 16.29 min Scan# 1286

Delta R.T. 0.02 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

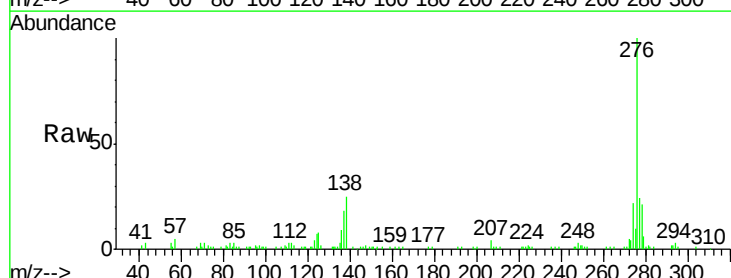
Tgt Ion:278 Resp: 28758

Ion Ratio Lower Upper

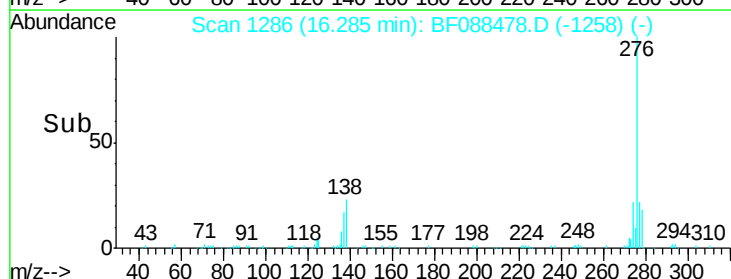
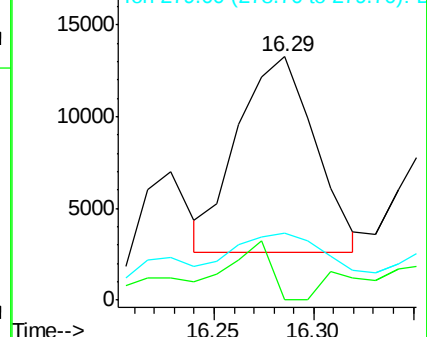
278 100

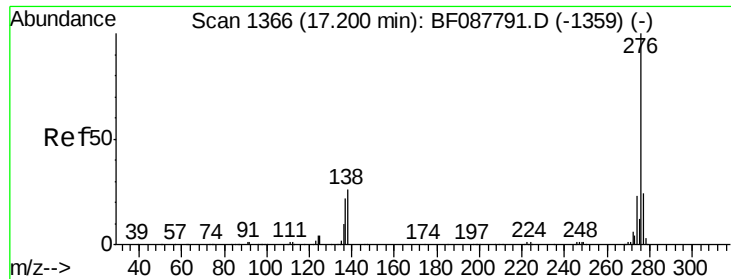
139 0.0 15.7 23.5#

279 27.3 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(a,h,i)perylene

Concen: 10.74 ng

RT: 16.65 min Scan# 1318

Delta R.T. 0.02 min

Lab File: BF088478.D

Acq: 28 Jun 2016 5:35

Instrument :

BNA_F

ClientSampleId :

SC-STA-1486(0-4)DL

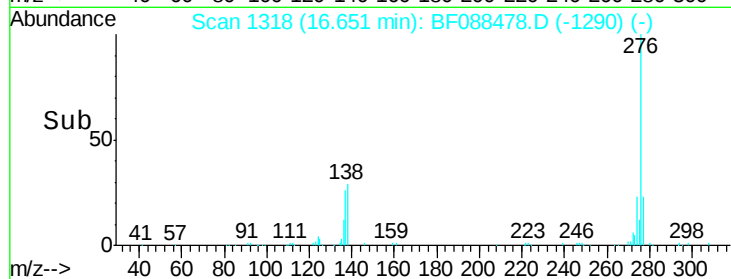
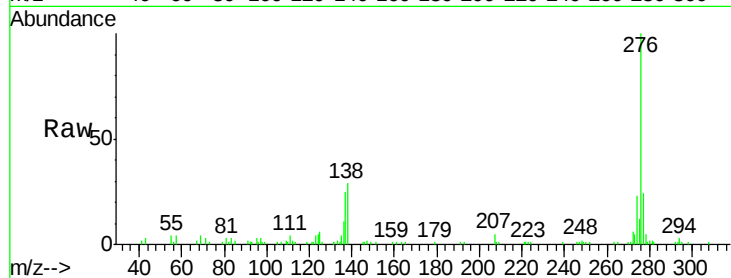
Tot Ion:276 Resp: 102831

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 28.5 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

