

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
 Data File : BF088481.D
 Acq On : 28 Jun 2016 7:02
 Operator : UM/SJ
 Sample : H3624-20DL 2X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1506(0-4)DL

Quant Time: Jun 28 07:41:57 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

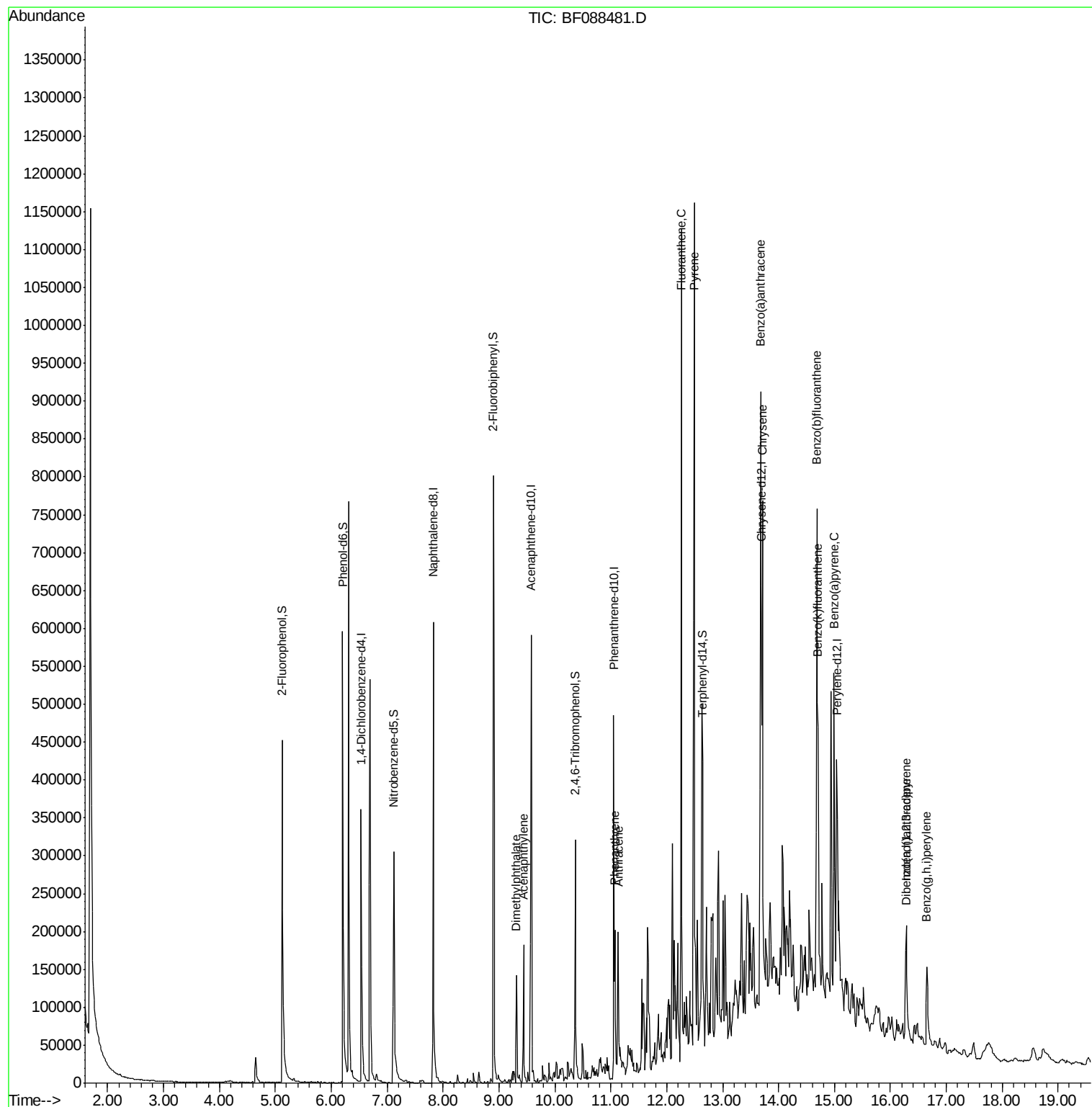
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	75395m	20.00	ng	-0.01
21) Naphthalene-d8	7.83	136	313007	20.00	ng	-0.01
38) Acenaphthene-d10	9.58	164	127002	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	192713	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	158888	20.00	ng	0.00
86) Perylene-d12	15.04	264	168697	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	234897	53.26	ng	-0.01
7) Phenol-d6	6.20	99	309896	57.98	ng	-0.02
23) Nitrobenzene-d5	7.12	82	165534	30.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	43880	32.72	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	321320	36.59	ng	-0.02
78) Terphenyl-d14	12.64	244	193170	27.67	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.44	152	95650	7.32	ng	98
49) Dimethylphthalate	9.31	163	57618	6.26	ng	99
70) Phenanthrene	11.07	178	84944	8.40	ng	98
71) Anthracene	11.13	178	101279	9.93	ng	98
74) Fluoranthene	12.26	202	432249	40.50	ng	99
77) Pyrene	12.49	202	536326	45.49	ng	99
80) Benzo(a)anthracene	13.68	228	350346	38.69	ng	# 91
82) Chrysene	13.71	228	222214m	26.09	ng	
85) Indeno(1,2,3-cd)pyrene	16.29	276	100095	12.65	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	328319m	27.92	ng	
88) Benzo(k)fluoranthene	14.70	252	132585m	14.95	ng	
89) Benzo(a)pyrene	14.99	252	216572	22.77	ng	97
90) Dibenzo(a,h)anthracene	16.27	278	24718	2.80	ng	# 75
91) Benzo(g,h,i)perylene	16.65	276	86662	9.54	ng	99

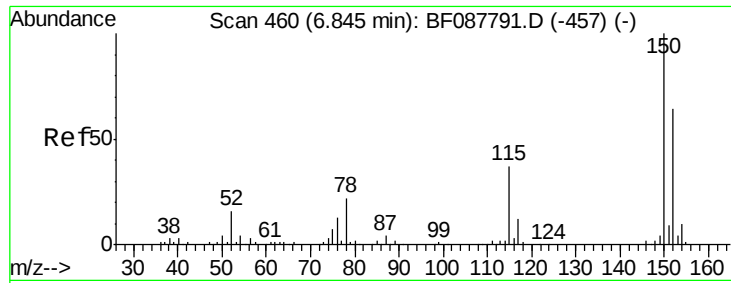
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
Data File : BF088481.D
Acq On : 28 Jun 2016 7:02
Operator : UM/SJ
Sample : H3624-20DL 2X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)DL

Quant Time: Jun 28 07:41:57 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



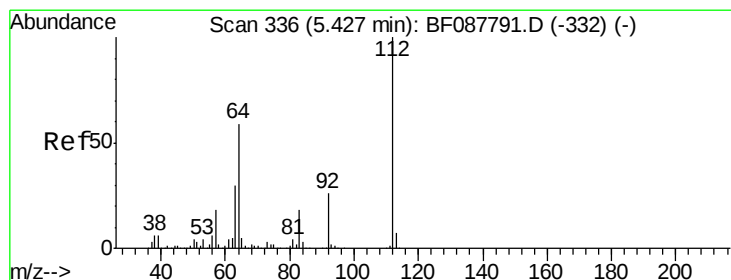
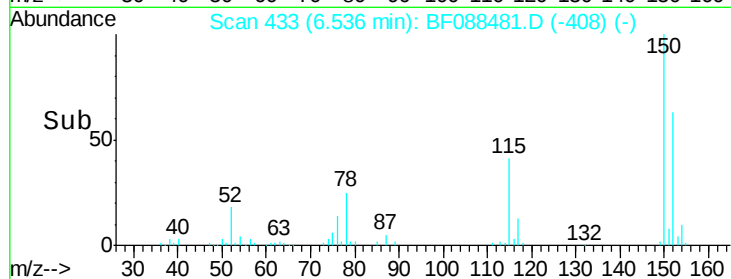
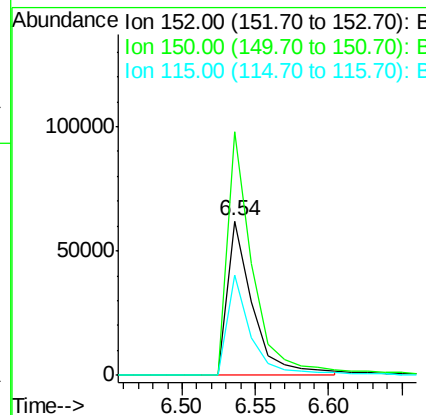
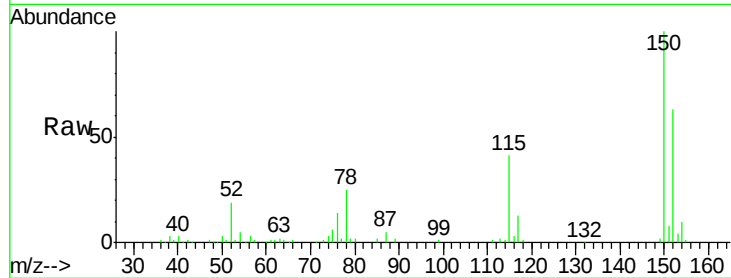


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng/mL
 RT: 6.54 min Scan# 433
 Delta R.T. -0.01 min
 Lab File: BF088481.D
 Acq: 28 Jun 2016 7:02

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1506(0-4)DL

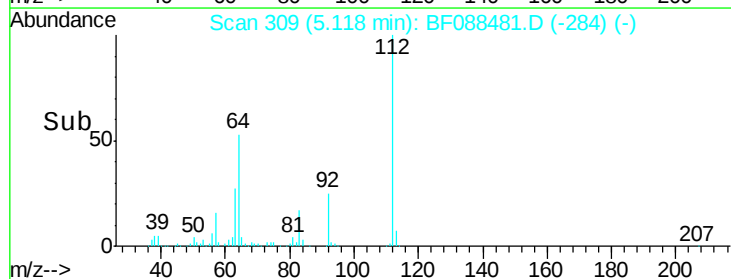
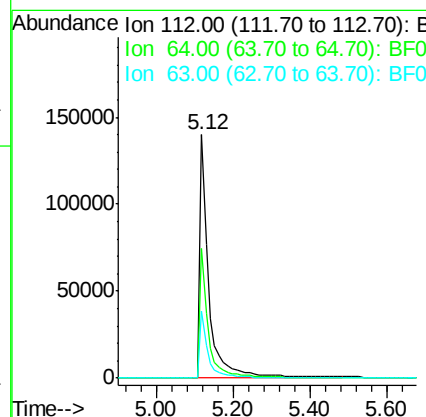
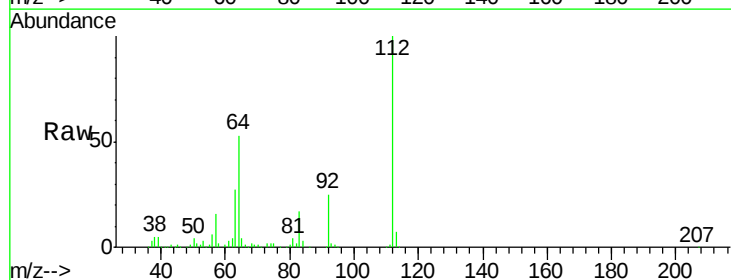
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	123.8	185.6
115	65.1	39.6	59.4

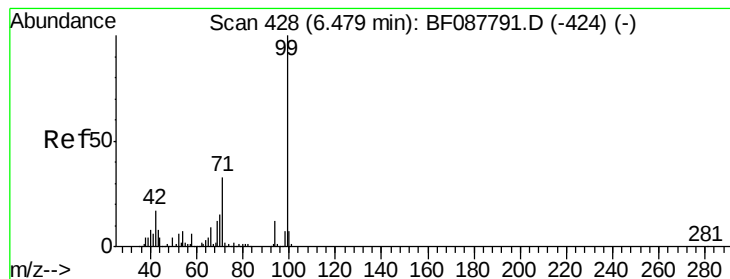


#5

2-Fluorophenol
 Concen: 53.26 ng
 RT: 5.12 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: BF088481.D
 Acq: 28 Jun 2016 7:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	42.2	63.2
63	27.3	21.8	32.8





#7

Phenol-d6

Concen: 57.98 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

Instrument :

BNA_F

ClientSampleId :

SC-STA-1506(0-4)DL

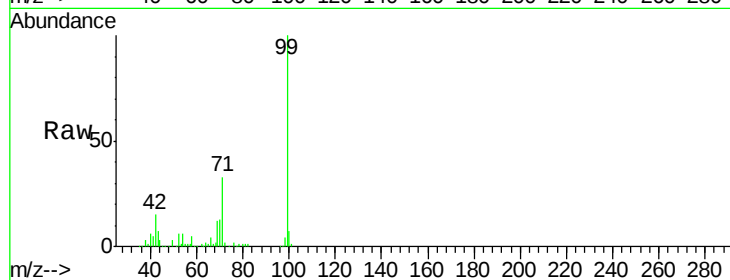
Tot Ion: 99 Resp: 309896

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

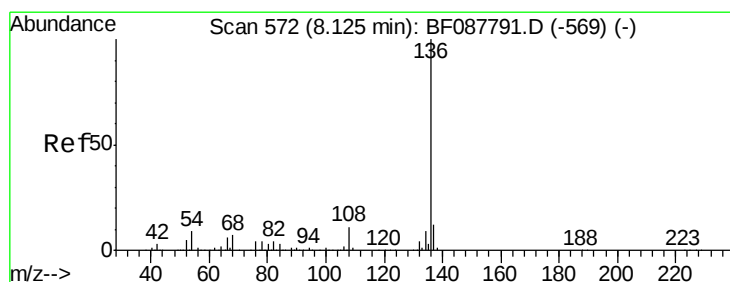
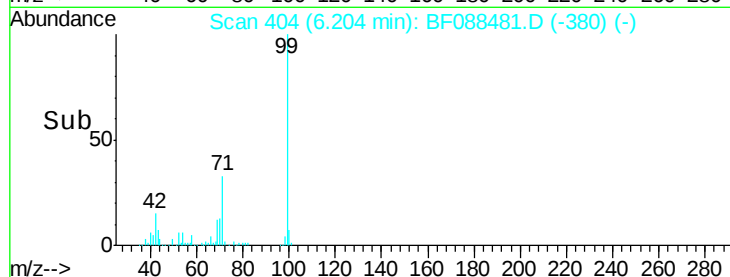
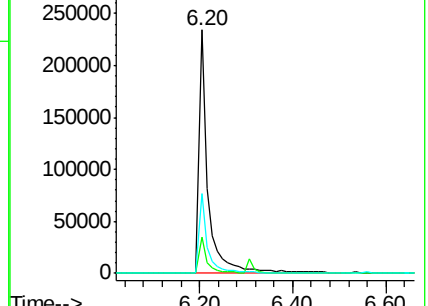
71 32.8 23.4 35.0



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: BF088481.D

Acq: 28 Jun 2016 7:02

Tgt Ion: 136 Resp: 313007

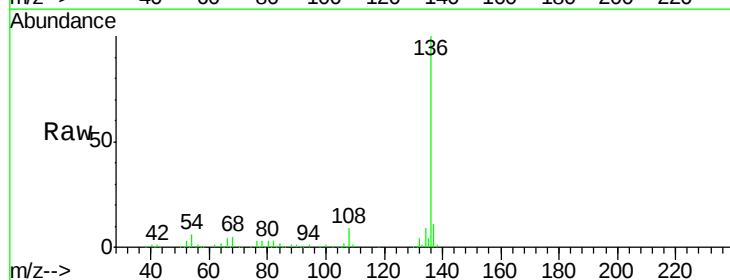
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.2 6.6 10.0#

68 4.8 5.1 7.7#

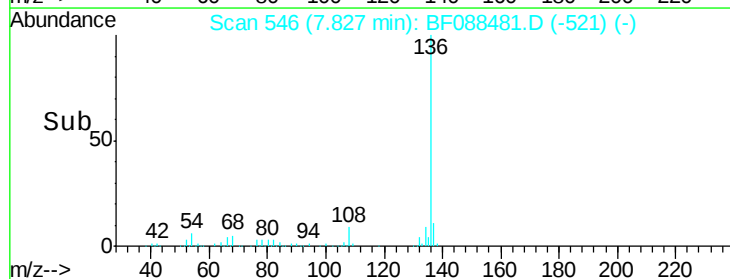
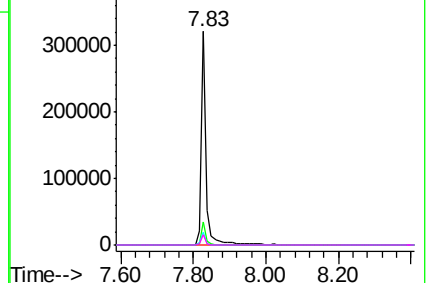


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.88 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

Instrument :

BNA_F

ClientSampleId :

SC-STA-1506(0-4)DL

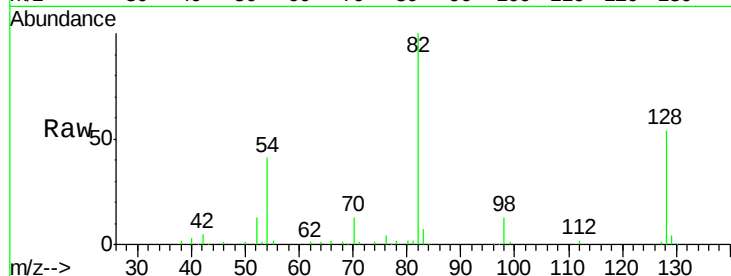
Tot Ion: 82 Resp: 165534

Ion Ratio Lower Upper

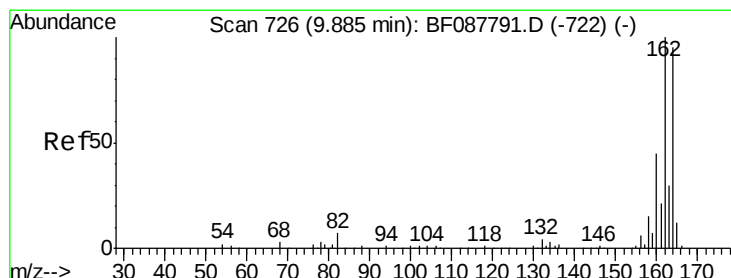
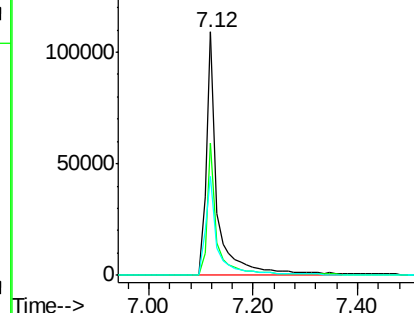
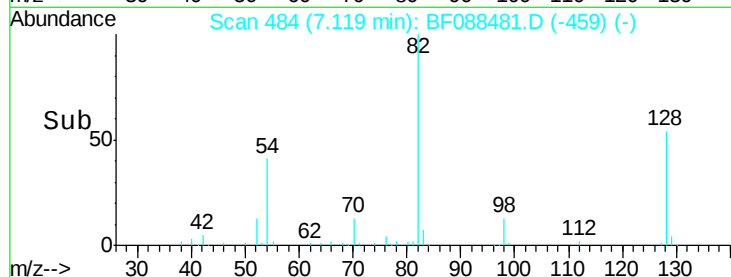
82 100

128 54.2 35.9 53.9#

54 40.7 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: 9.58 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

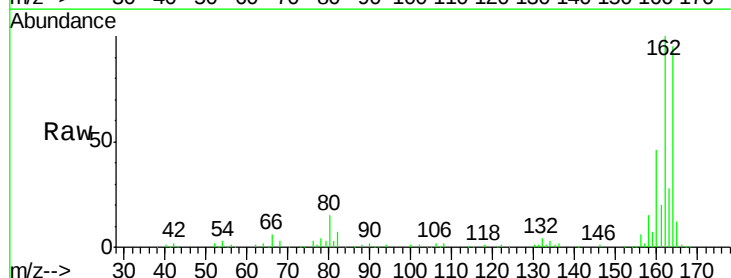
Tgt Ion:164 Resp: 127002

Ion Ratio Lower Upper

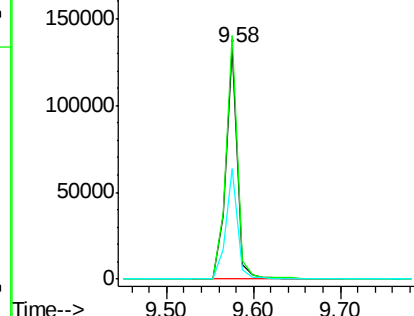
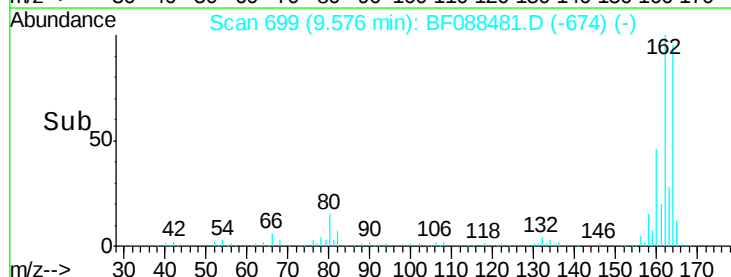
164 100

162 105.2 85.4 128.2

160 48.0 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 32.72 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

Instrument :

BNA_F

ClientSampleId :

SC-STA-1506(0-4)DL

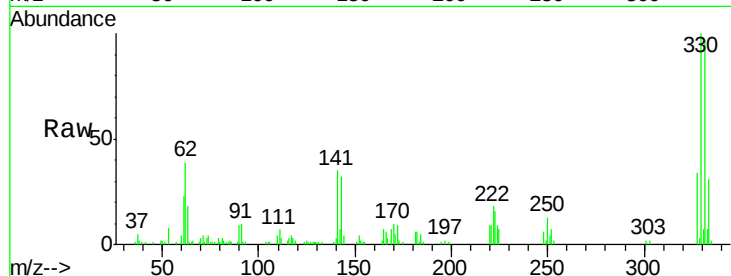
Tot Ion:330 Resp: 43880

Ion Ratio Lower Upper

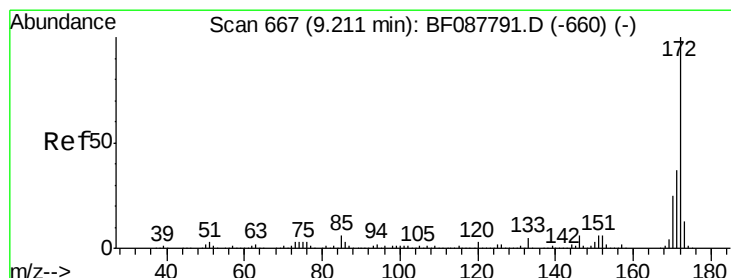
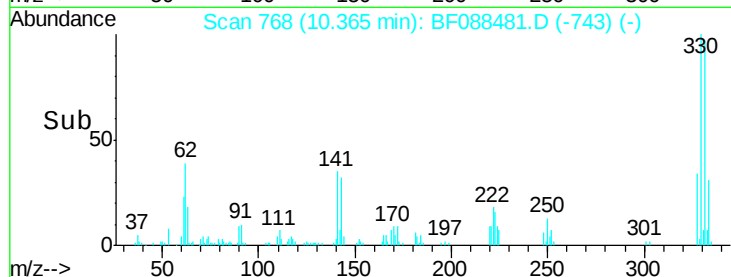
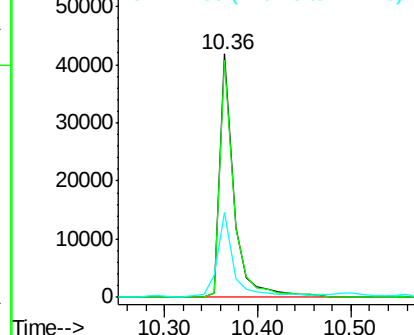
330 100

332 97.9 0.0 0.0#

141 41.9 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: 36.59 ng

RT: 8.90 min Scan# 640

Delta R.T. -0.02 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

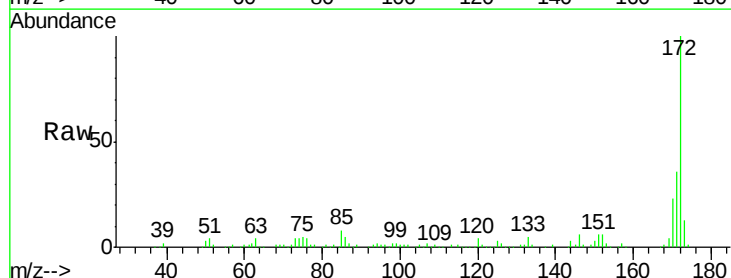
Tgt Ion:172 Resp: 321320

Ion Ratio Lower Upper

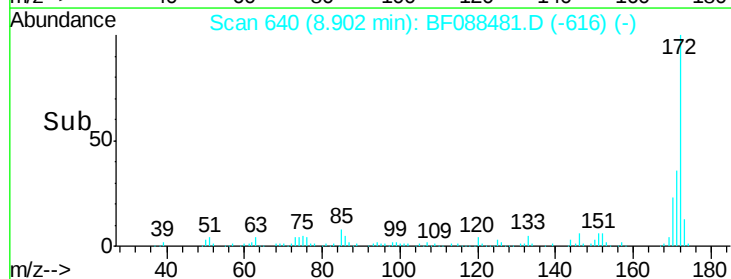
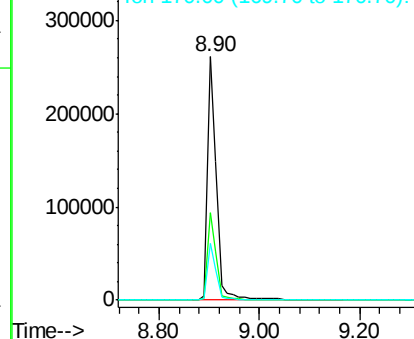
172 100

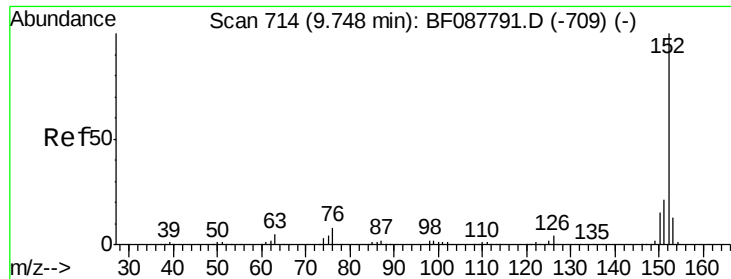
171 35.7 28.6 43.0

170 23.4 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

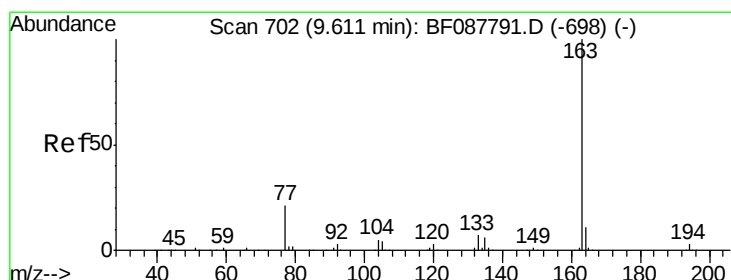
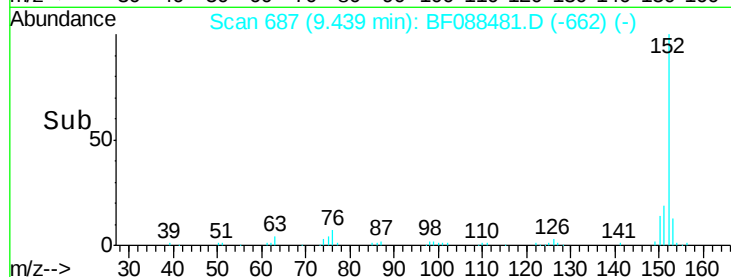
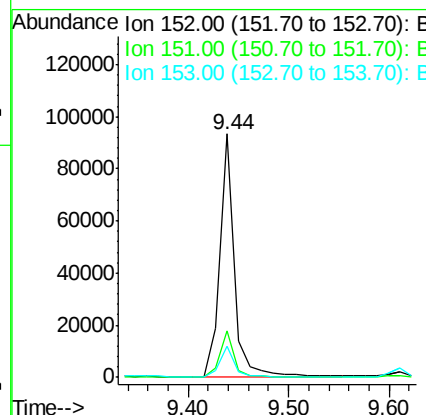
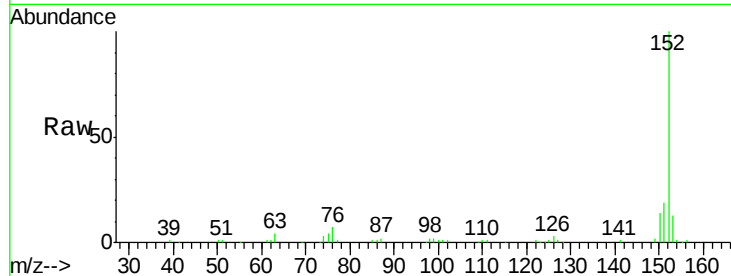




#48
Acenaphthylene
Concen: 7.32 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF088481.D
Acq: 28 Jun 2016 7:02

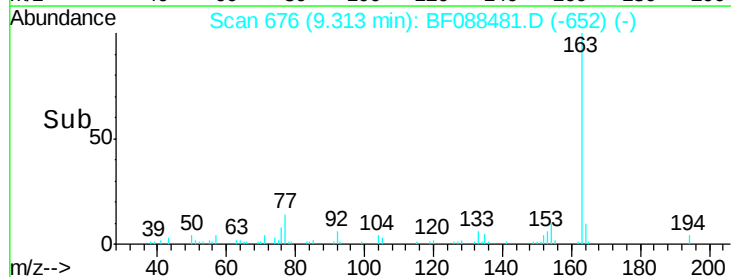
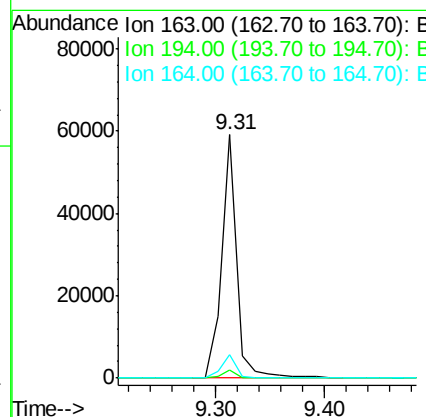
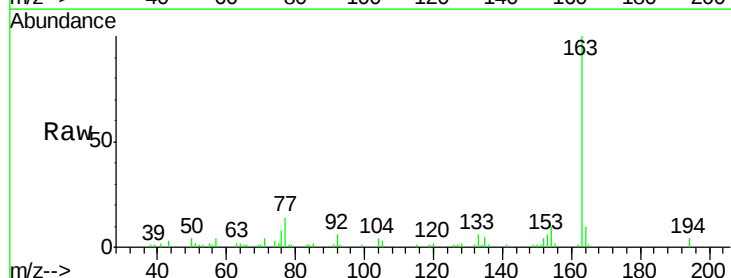
Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)DL

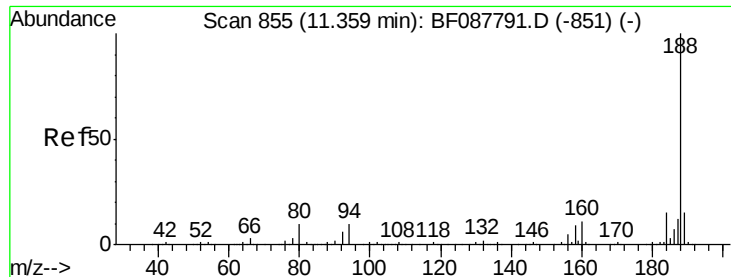
Tot Ion:152 Resp: 95650
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4
153 12.9 11.0 16.6



#49
Dimethylphthalate
Concen: 6.26 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.02 min
Lab File: BF088481.D
Acq: 28 Jun 2016 7:02

Tgt Ion:163 Resp: 57618
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 9.7 8.3 12.5

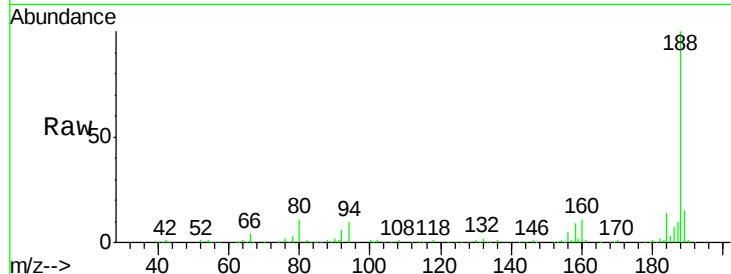




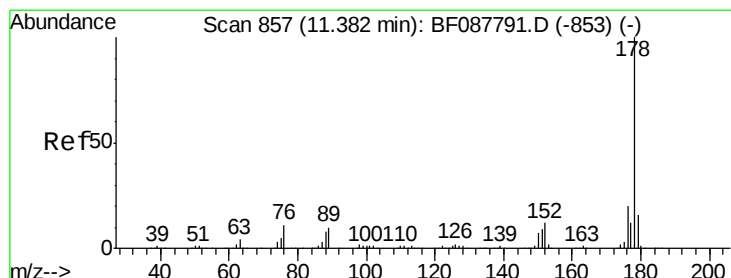
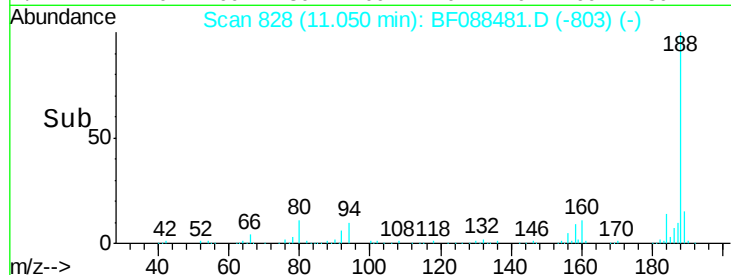
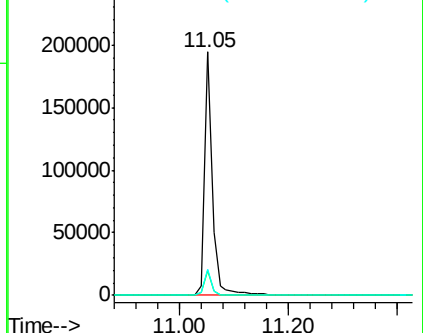
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF088481.D
Acq: 28 Jun 2016 7:02

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)DL

Tot Ion:188 Resp: 192713
Ion Ratio Lower Upper
188 100
94 10.0 9.0 13.6
80 10.6 10.0 15.0

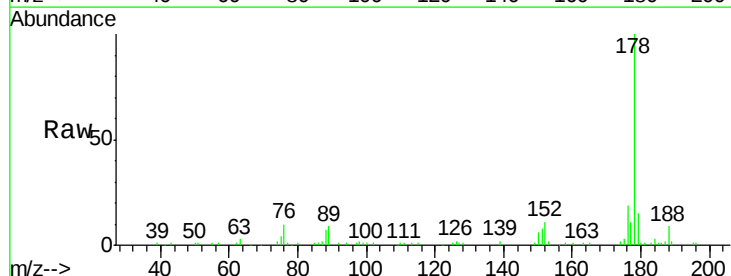


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

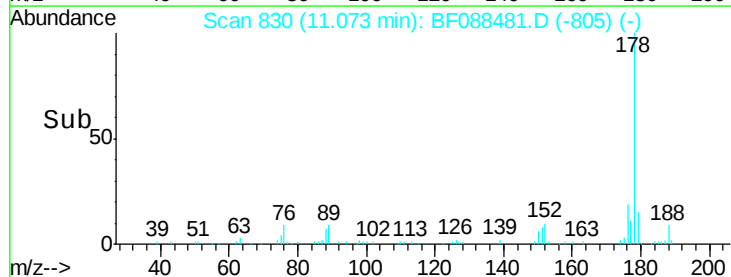
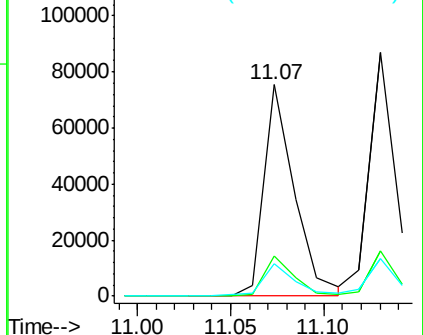


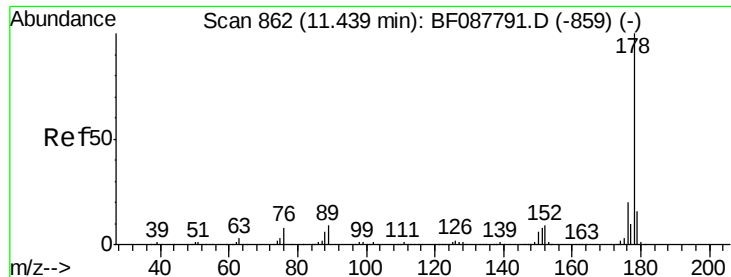
#70
Phenanthrene
Concen: 8.40 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF088481.D
Acq: 28 Jun 2016 7:02

Tgt Ion:178 Resp: 84944
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.3 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: 9.93 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

Instrument :

BNA_F

ClientSampleId :

SC-STA-1506(0-4)DL

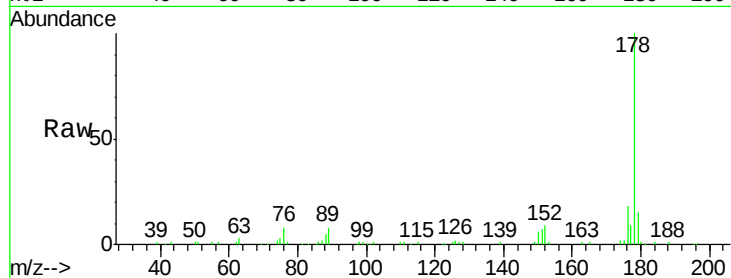
Tot Ion:178 Resp: 101279

Ion Ratio Lower Upper

178 100

176 18.4 15.6 23.4

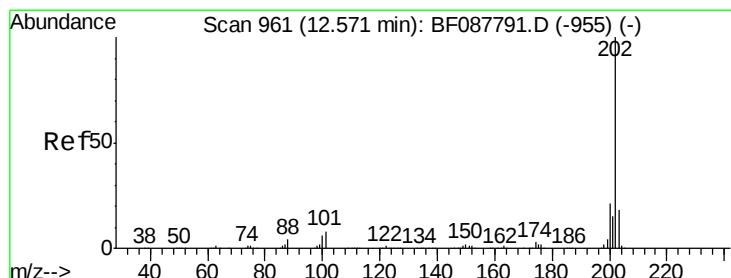
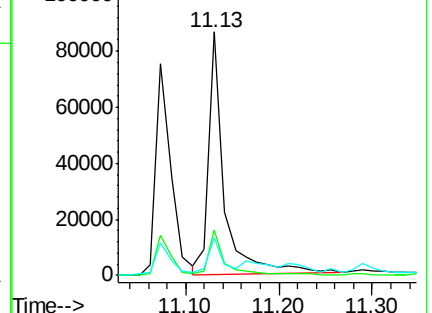
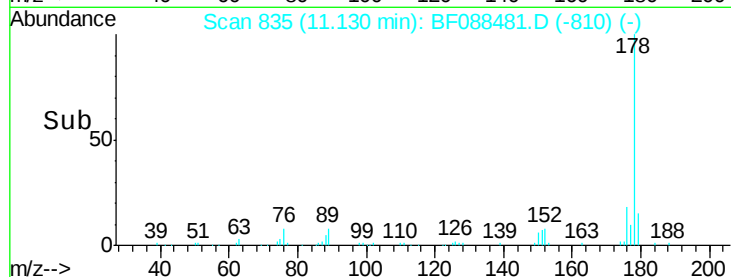
179 15.5 12.8 19.2



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: 40.50 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

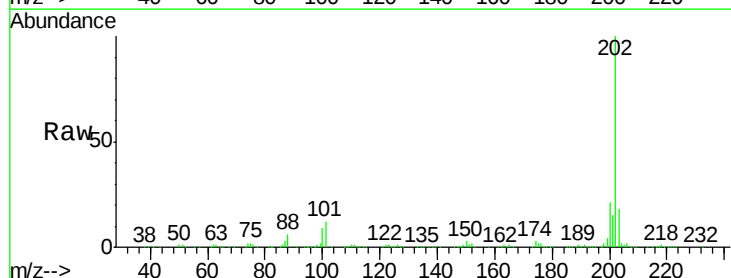
Tgt Ion:202 Resp: 432249

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.1

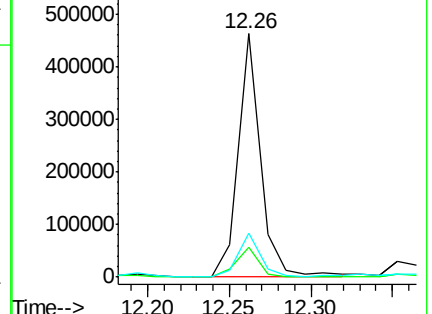
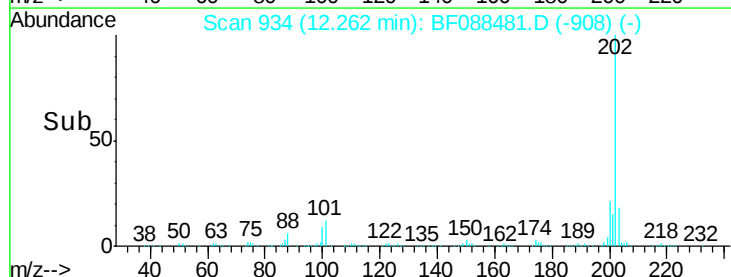
203 17.8 0.0 38.1

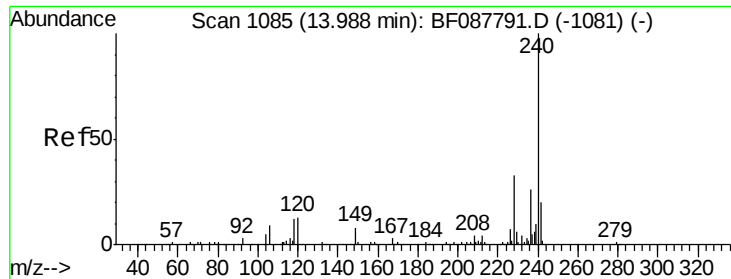


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.00 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

Instrument :

BNA_F

ClientSampleId :

SC-STA-1506(0-4)DL

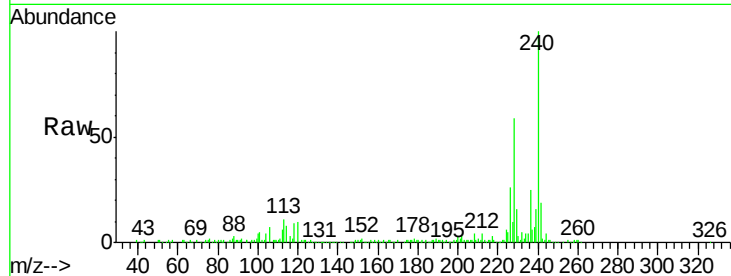
Tot Ion:240 Resp: 158888

Ion Ratio Lower Upper

240 100

120 10.3 6.8 10.2#

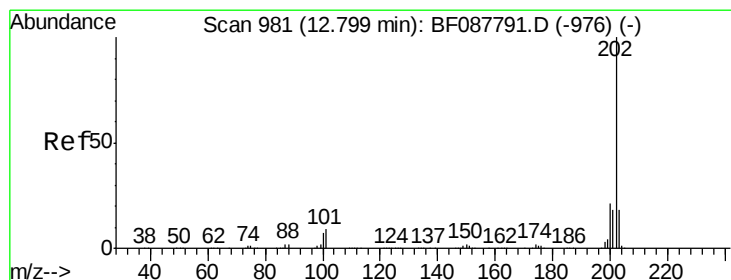
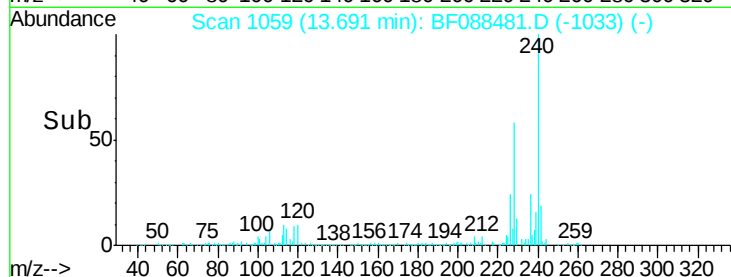
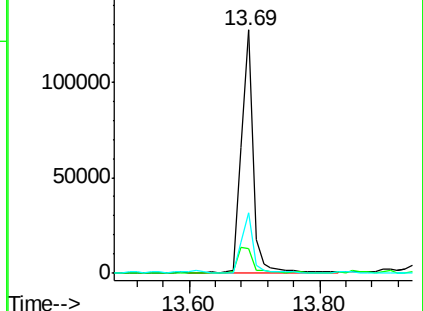
236 24.8 20.2 30.2



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: 45.49 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

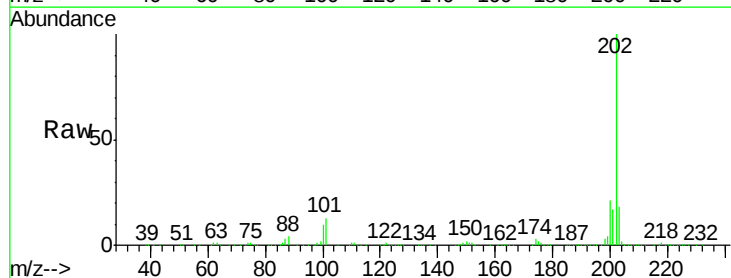
Tgt Ion:202 Resp: 536326

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

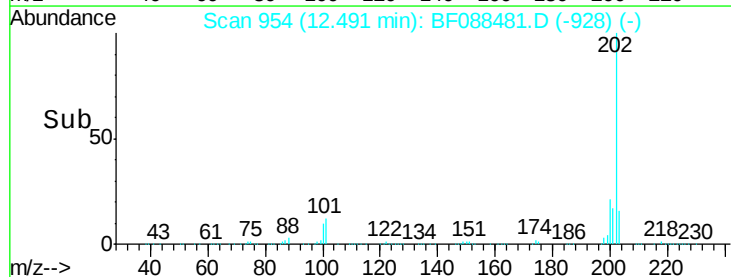
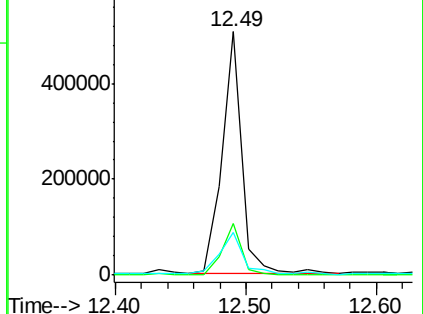
203 17.5 14.5 21.7

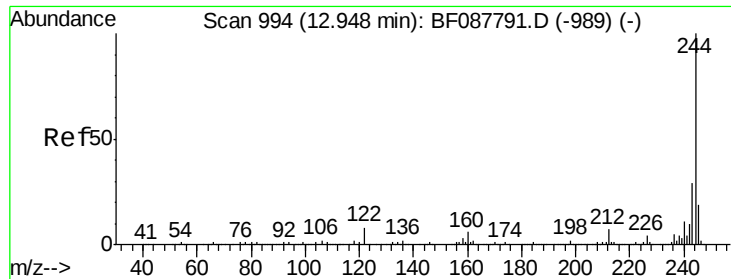


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

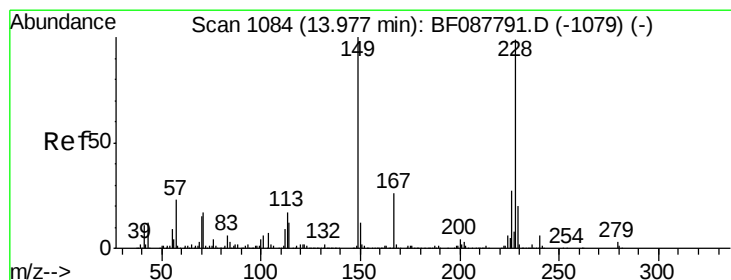
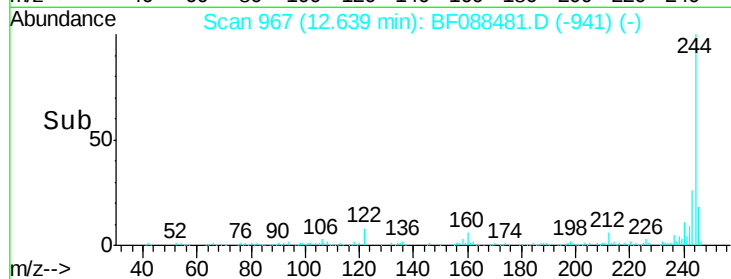
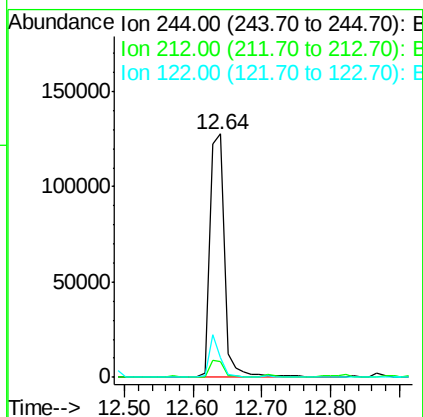
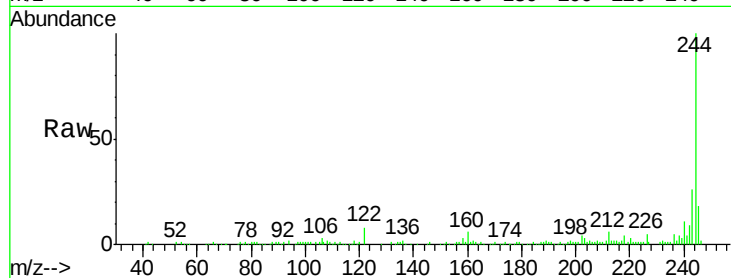




#78
 Terphenyl-d14
 Concen: 27.67 ng
 RT: 12.64 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: BF088481.D
 Acq: 28 Jun 2016 7:02

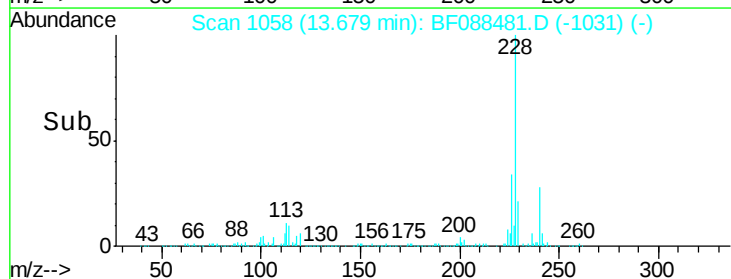
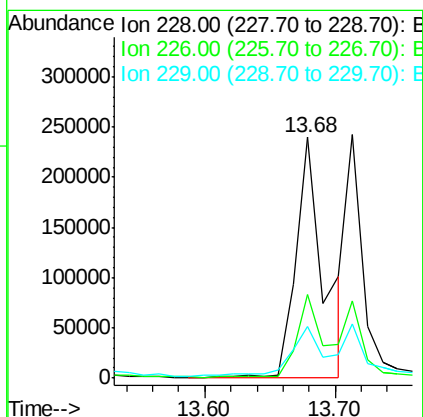
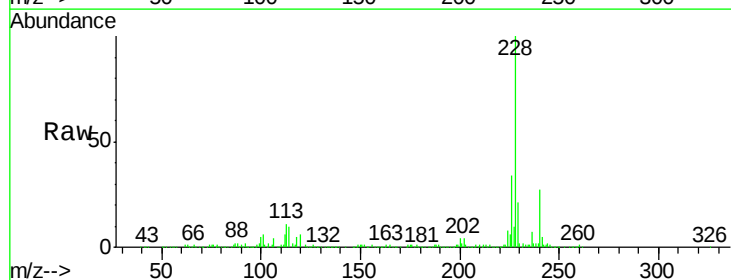
Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1506(0-4)DL

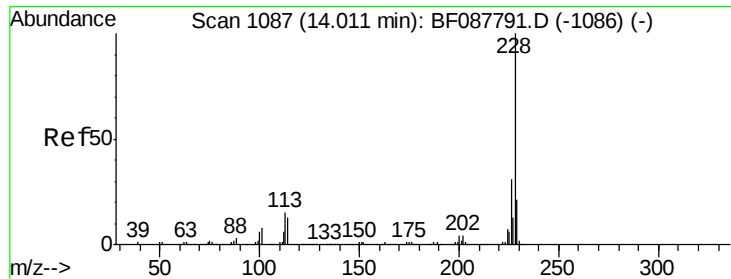
Tot Ion:244 Resp: 193170
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 8.1 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 38.69 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: BF088481.D
 Acq: 28 Jun 2016 7:02

Tgt Ion:228 Resp: 350346
 Ion Ratio Lower Upper
 228 100
 226 34.5 22.3 33.5#
 229 21.4 16.0 24.0

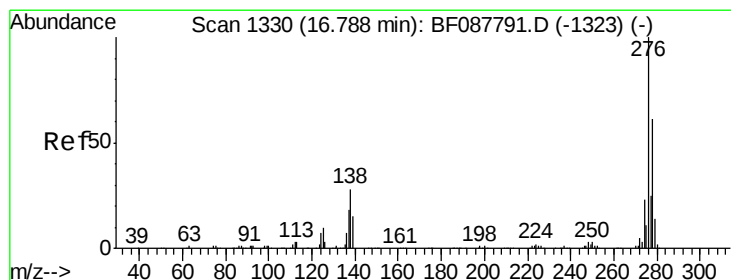
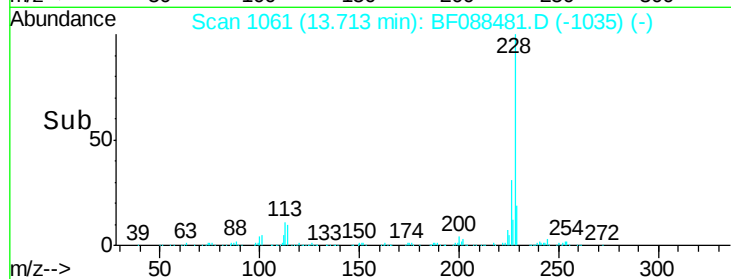
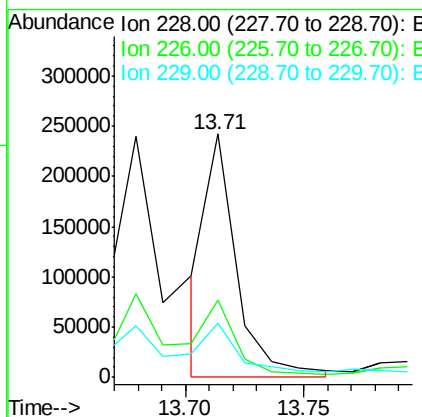
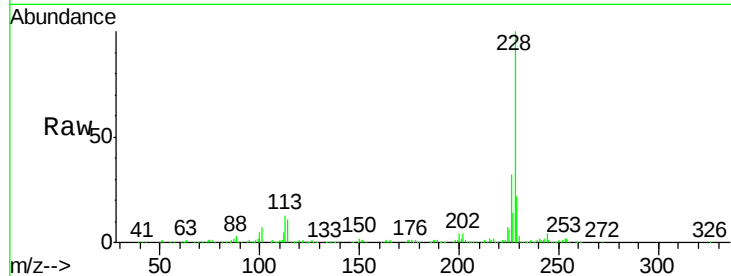




#82
Chrysene
Concen: 26.09 ng/mL
RT: 13.71 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BF088481.D
Acq: 28 Jun 2016 7:02

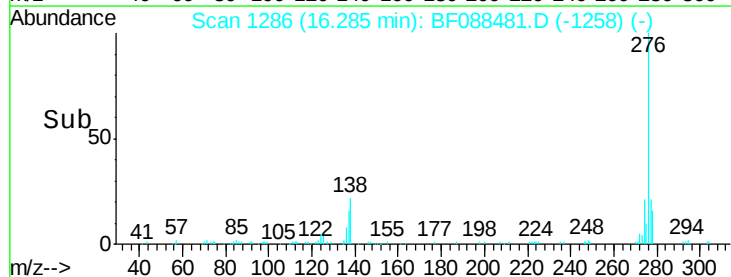
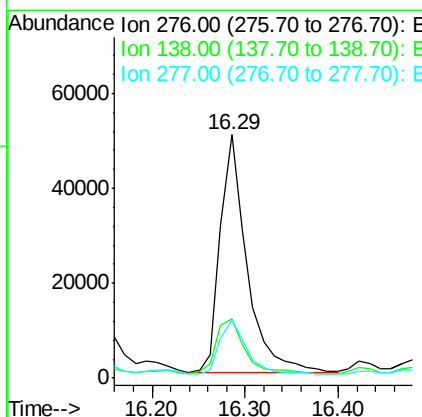
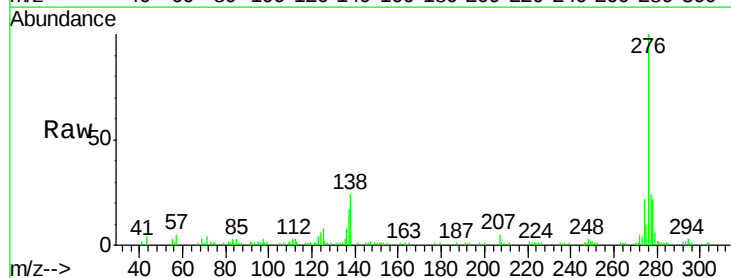
Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)DL

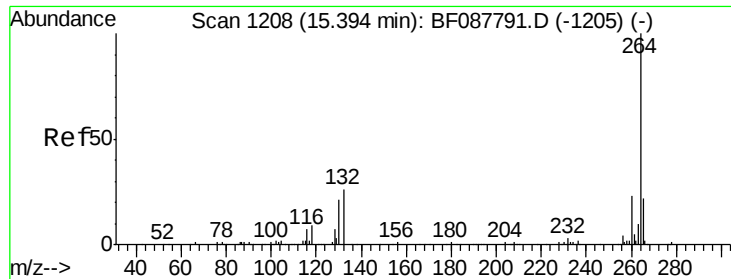
Tot Ion:228 Resp: 222214
Ion Ratio Lower Upper
228 100
226 31.8 25.4 38.2
229 22.0 16.3 24.5



#85
Indeno(1,2,3-cd)pyrene
Concen: 12.65 ng/mL
RT: 16.29 min Scan# 1286
Delta R.T. 0.02 min
Lab File: BF088481.D
Acq: 28 Jun 2016 7:02

Tgt Ion:276 Resp: 100095
Ion Ratio Lower Upper
276 100
138 25.4 0.0 0.0#
277 23.5 0.0 0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.04 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

Instrument :

BNA_F

ClientSampleId :

SC-STA-1506(0-4)DL

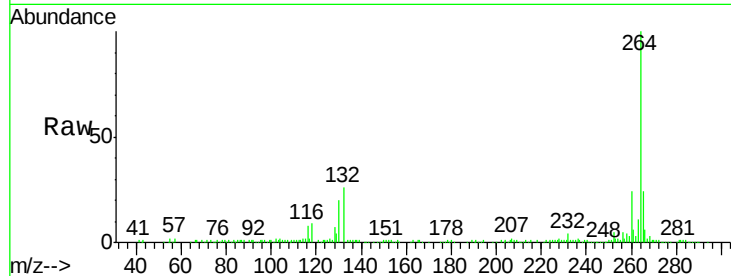
Tot Ion:264 Resp: 168697

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

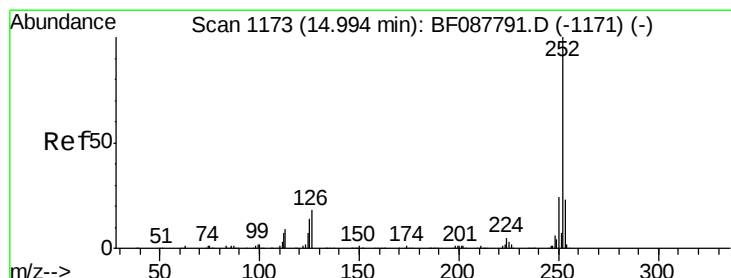
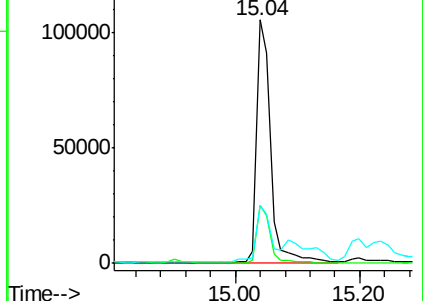
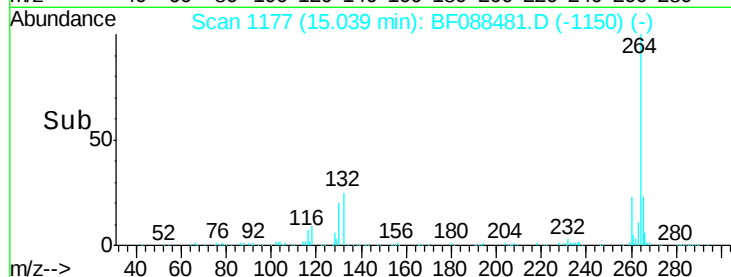
265 23.7 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 27.92 ng m

RT: 14.69 min Scan# 1146

Delta R.T. 0.01 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

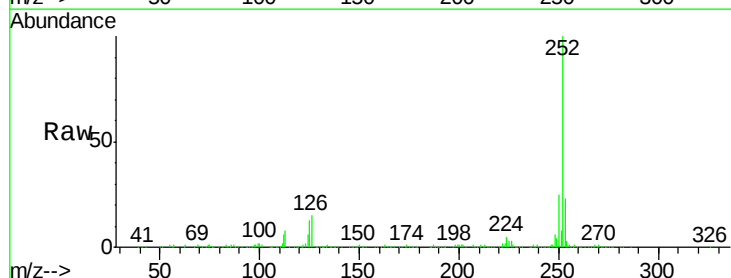
Tgt Ion:252 Resp: 328319

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

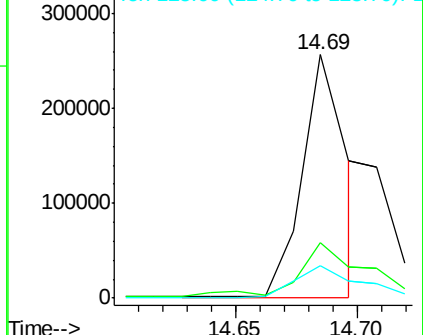
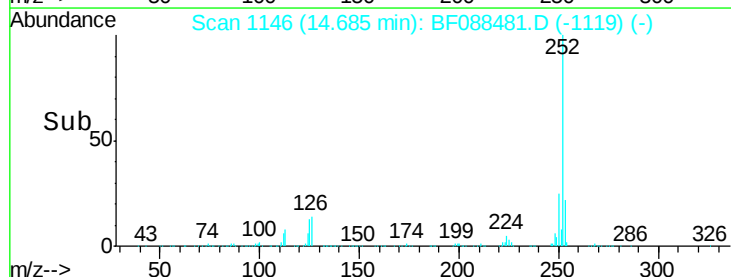
125 13.4 7.1 10.7#

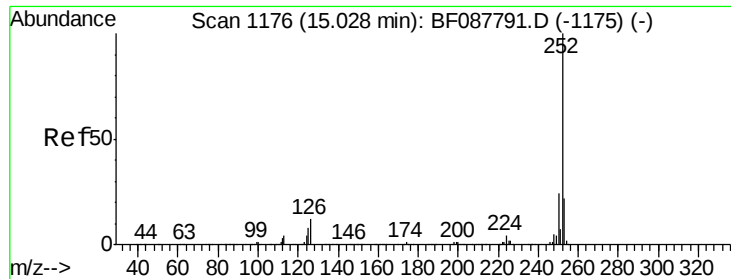


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 14.95 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

Instrument :

BNA_F

ClientSampleId :

SC-STA-1506(0-4)DL

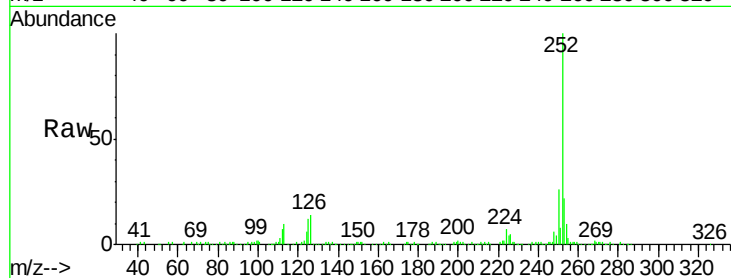
Tot Ion:252 Resp: 132585

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

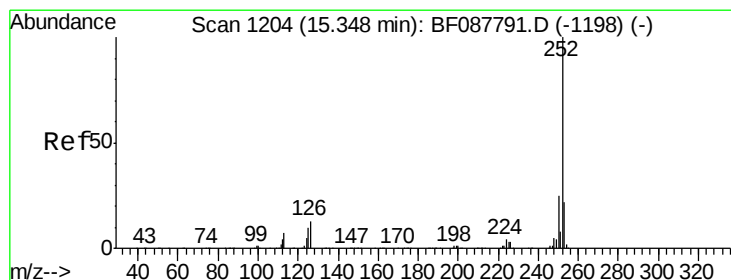
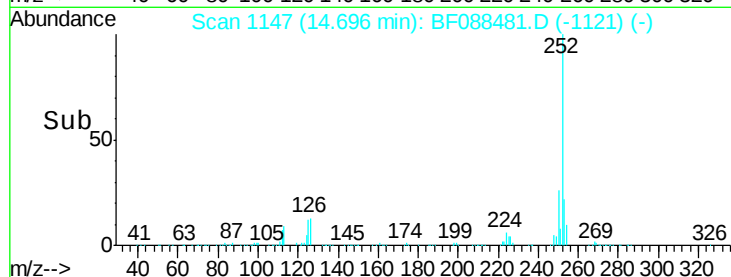
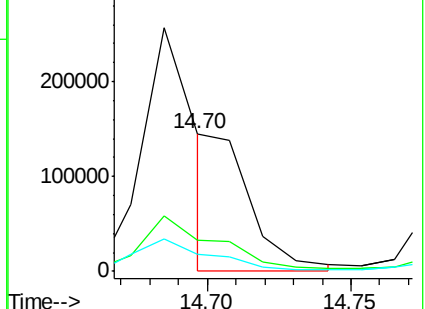
125 12.4 11.2 16.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 22.77 ng

RT: 14.99 min Scan# 1173

Delta R.T. 0.01 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

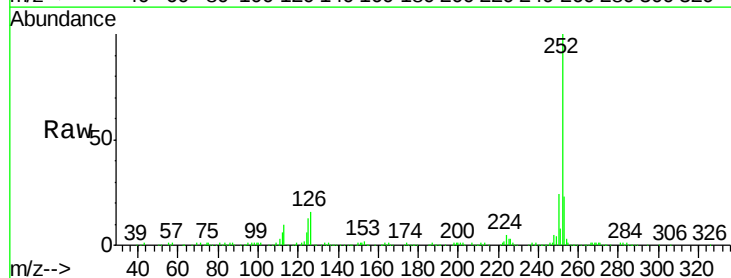
Tgt Ion:252 Resp: 216572

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

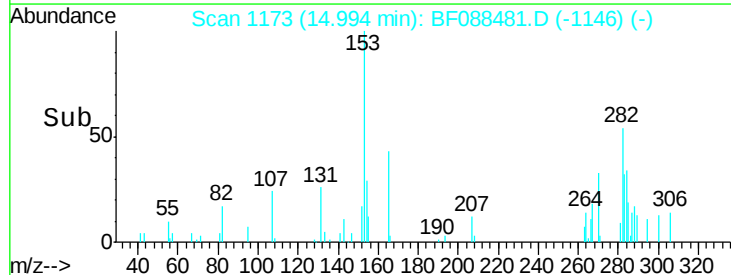
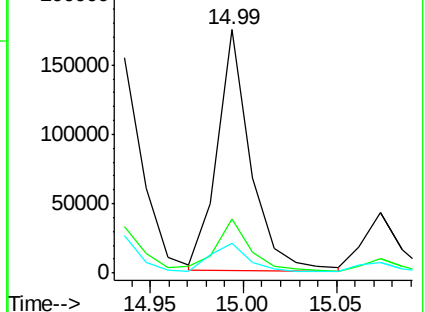
125 12.5 12.5 18.7

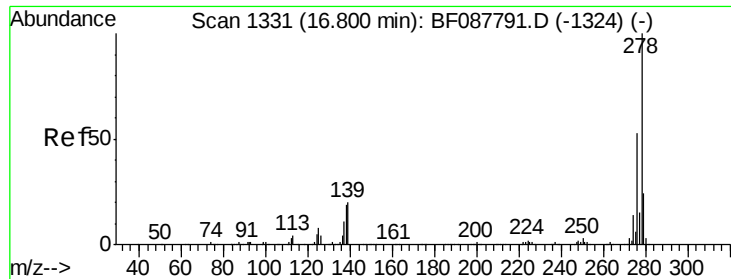


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.80 ng

RT: 16.27 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

Instrument :

BNA_F

ClientSampleId :

SC-STA-1506(0-4)DL

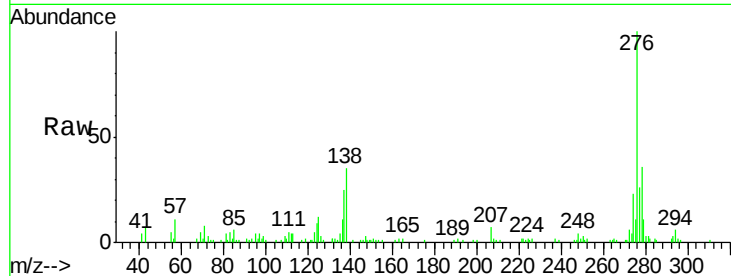
Tot Ion:278 Resp: 24718

Ion Ratio Lower Upper

278 100

139 0.0 15.7 23.5#

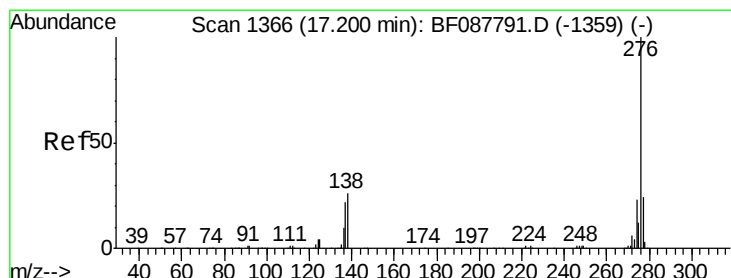
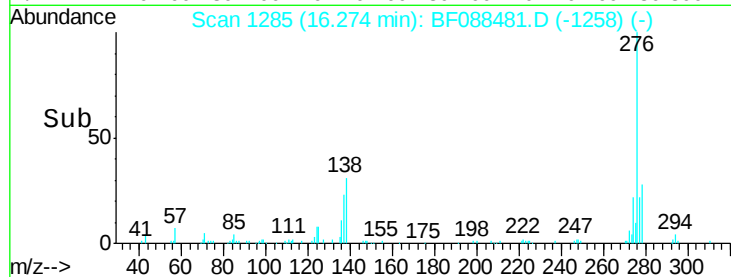
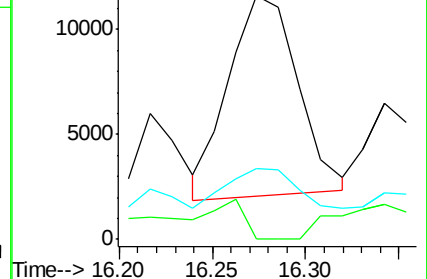
279 29.3 19.4 29.2#



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(g,h,i)perylene

Concen: 9.54 ng

RT: 16.65 min Scan# 1318

Delta R.T. 0.02 min

Lab File: BF088481.D

Acq: 28 Jun 2016 7:02

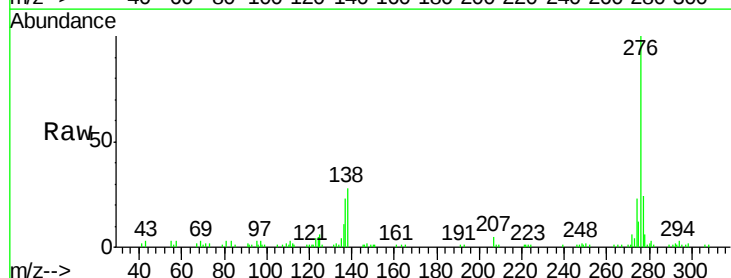
Tgt Ion:276 Resp: 86662

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 27.7 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

