

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088377.D
 Acq On : 25 Jun 2016 15:18
 Operator : UM/SJ
 Sample : H3622-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1456(0-4)

Quant Time: Jun 26 02:46:52 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

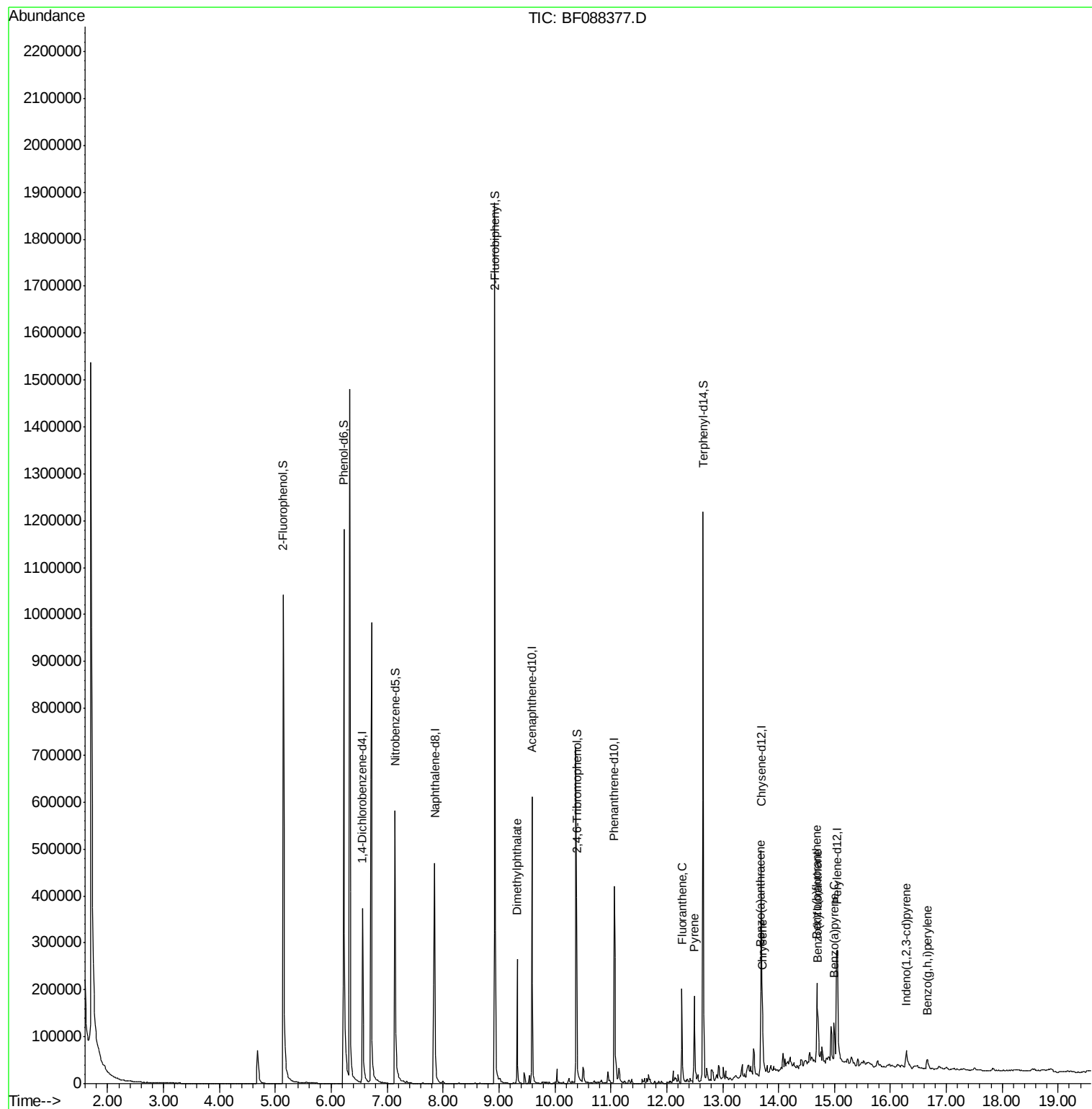
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	79505	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	307217	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	135517	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	228075	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	158599	20.00	ng	-0.06
86) Perylene-d12	15.05	264	143100	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	456646	98.19	ng	-0.03
7) Phenol-d6	6.23	99	562880	99.87	ng	-0.03
23) Nitrobenzene-d5	7.14	82	357772	68.00	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	118657	82.92	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	656738	75.51	ng	-0.05
78) Terphenyl-d14	12.65	244	469683	67.39	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.32	163	112762	11.49	ng	99
74) Fluoranthene	12.27	202	99926	7.91	ng	96
77) Pyrene	12.49	202	102101	8.68	ng	97
80) Benzo(a)anthracene	13.68	228	62624	6.93	ng	96
82) Chrysene	13.71	228	48890m	5.75	ng	
85) Indeno(1,2,3-cd)pyrene	16.29	276	25420	3.22	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	77090m	7.73	ng	
88) Benzo(k)fluoranthene	14.70	252	38993m	5.18	ng	
89) Benzo(a)pyrene	14.99	252	44163	5.47	ng	95
91) Benzo(g,h,i)perylene	16.66	276	20604	2.67	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: BF088377.D

Acq: 25 Jun 2016 15:18

Instrument :

BNA_F

ClientSampleId :

SC-STA-1456(0-4)

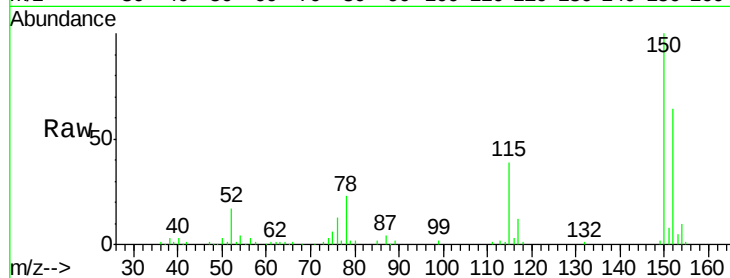
Tot Ion:152 Resp: 79505

Ion Ratio Lower Upper

152 100

150 156.3 123.8 185.6

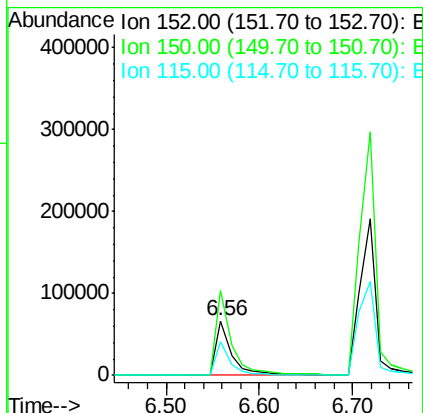
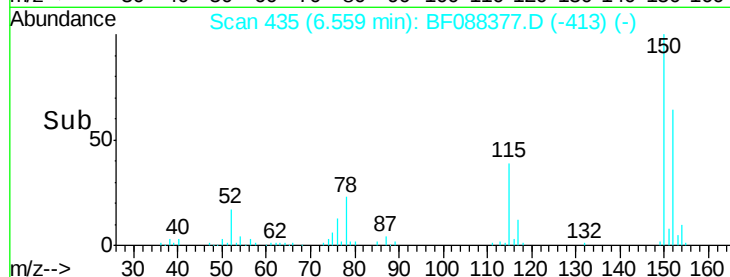
115 61.2 39.6 59.4#



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: 98.19 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.03 min

Lab File: BF088377.D

Acq: 25 Jun 2016 15:18

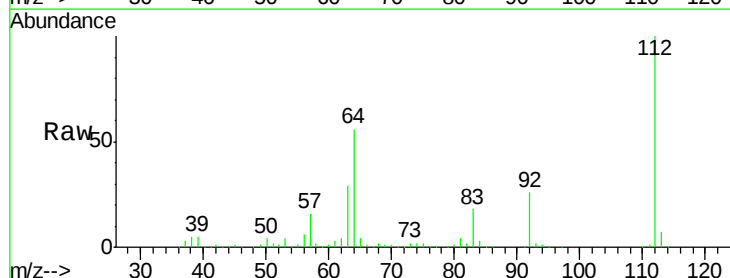
Tgt Ion:112 Resp: 456646

Ion Ratio Lower Upper

112 100

64 55.9 42.2 63.2

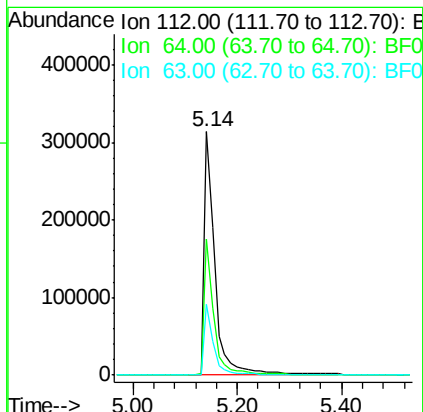
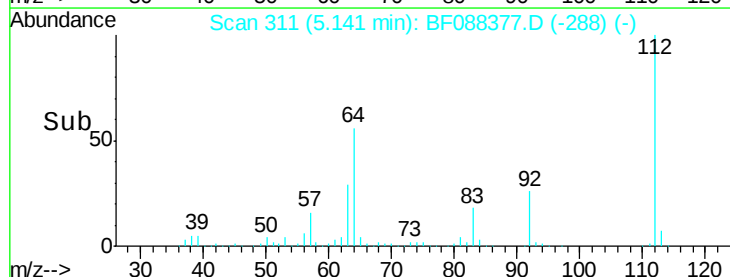
63 29.2 21.8 32.8



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: 99.87 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088377.D

Acq: 25 Jun 2016 15:18

Instrument :

BNA_F

ClientSampleId :

SC-STA-1456(0-4)

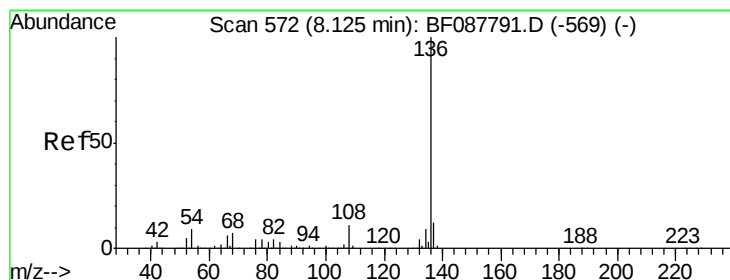
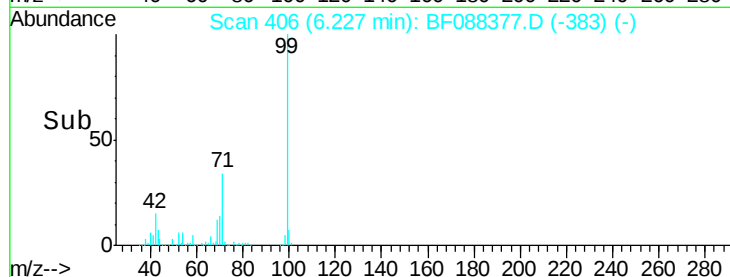
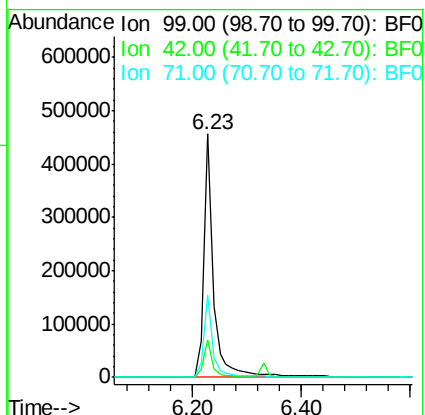
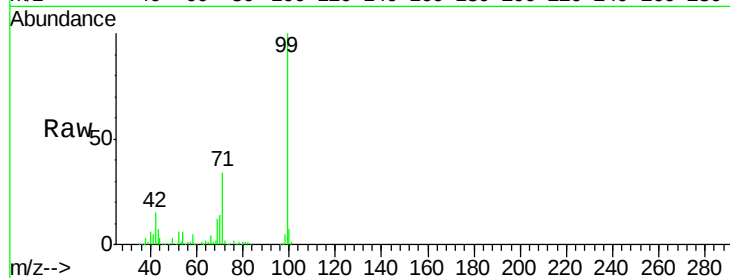
Tot Ion: 99 Resp: 562880

Ion Ratio Lower Upper

99 100

42 15.2 12.2 18.2

71 33.7 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: BF088377.D

Acq: 25 Jun 2016 15:18

Tgt Ion: 136 Resp: 307217

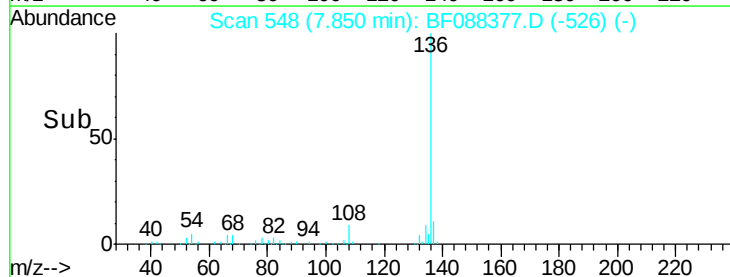
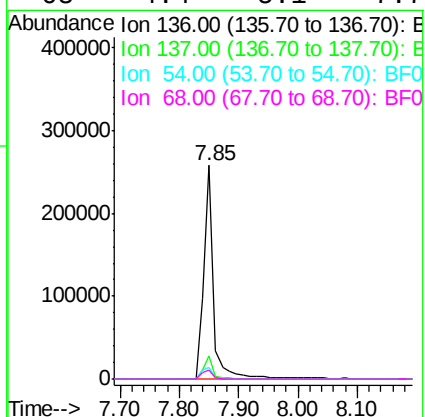
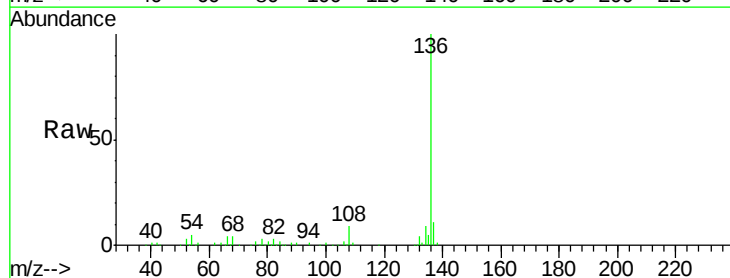
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.2 6.6 10.0#

68 4.4 5.1 7.7#

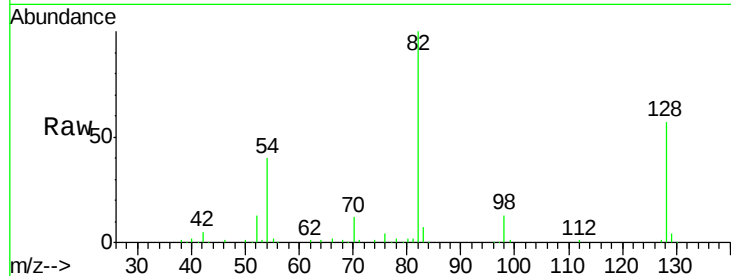




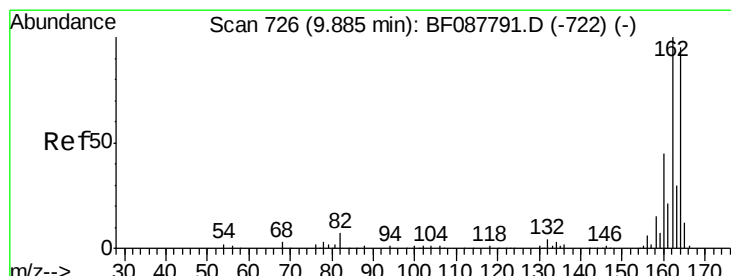
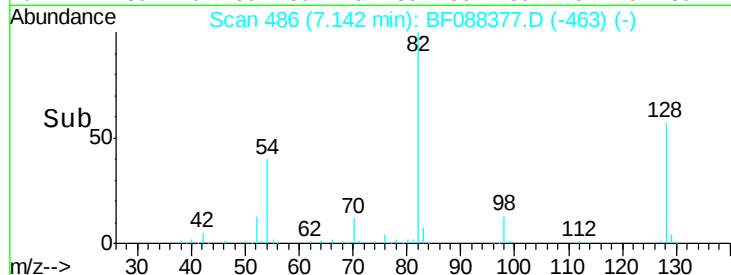
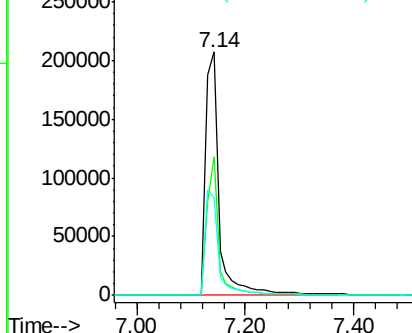
#23
 Nitrobenzene-d5
 Concen: 68.00 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF088377.D
 Acq: 25 Jun 2016 15:18

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1456(0-4)

Tot Ion: 82 Resp: 357772
 Ion Ratio Lower Upper
 82 100
 128 56.7 35.9 53.9#
 54 40.2 40.9 61.3#

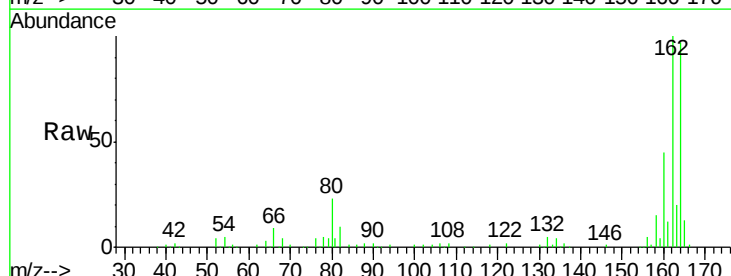


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

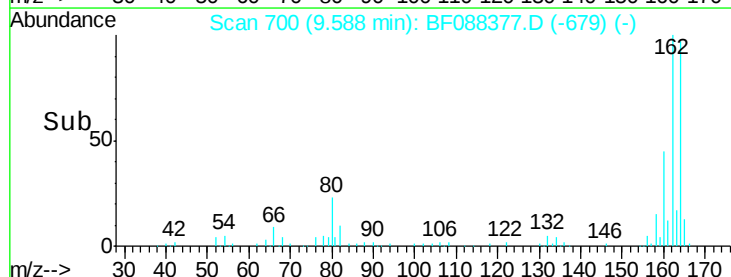
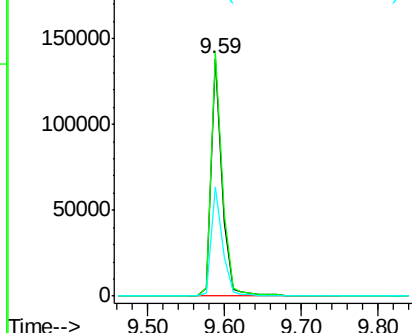


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.06 min
 Lab File: BF088377.D
 Acq: 25 Jun 2016 15:18

Tgt Ion:164 Resp: 135517
 Ion Ratio Lower Upper
 164 100
 162 102.6 85.4 128.2
 160 46.0 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

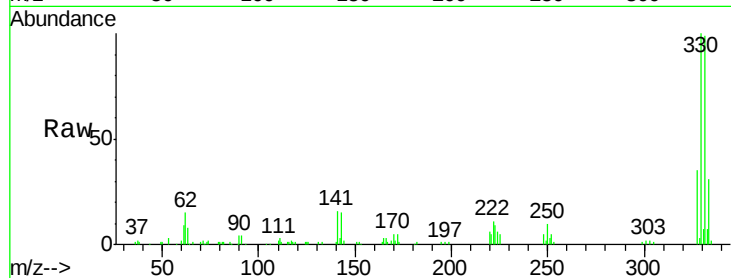




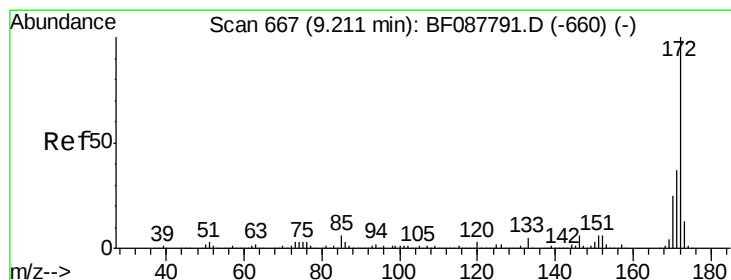
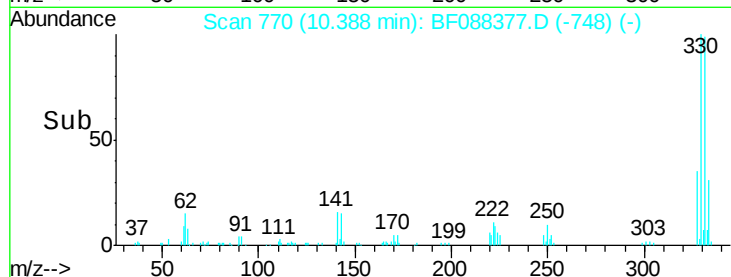
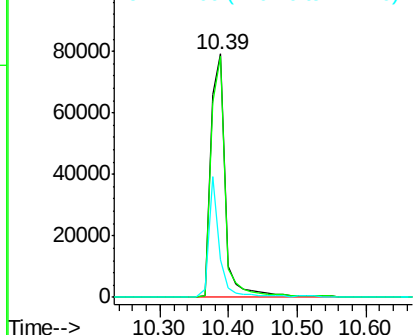
#41
 2,4,6-Tribromophenol
 Concen: 82.92 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF088377.D
 Acq: 25 Jun 2016 15:18

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1456(0-4)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	0.0	0.0#
141	36.4	0.0	0.0#

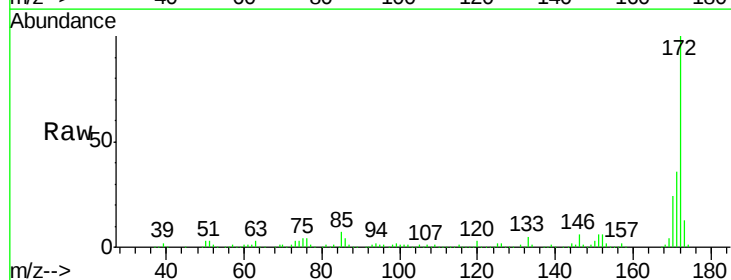


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

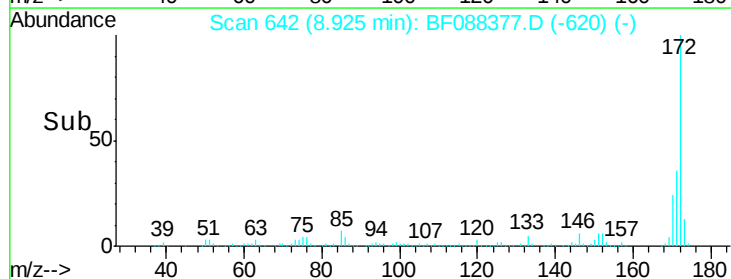
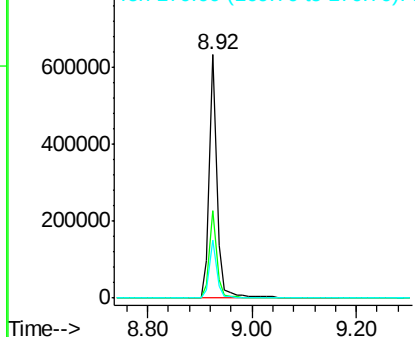


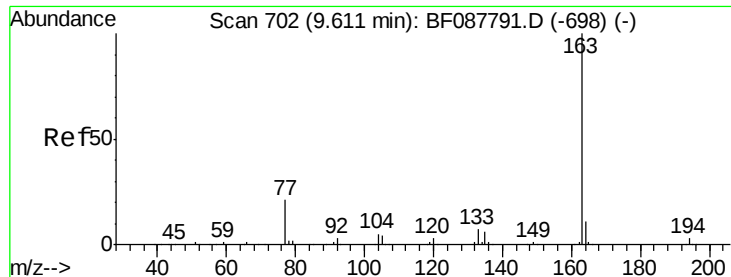
#44
 2-Fluorobiphenyl
 Concen: 75.51 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088377.D
 Acq: 25 Jun 2016 15:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	23.9	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





#49

Dimethylphthalate

Concen: 11.49 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF088377.D

Acq: 25 Jun 2016 15:18

Instrument :

BNA_F

ClientSampleId :

SC-STA-1456(0-4)

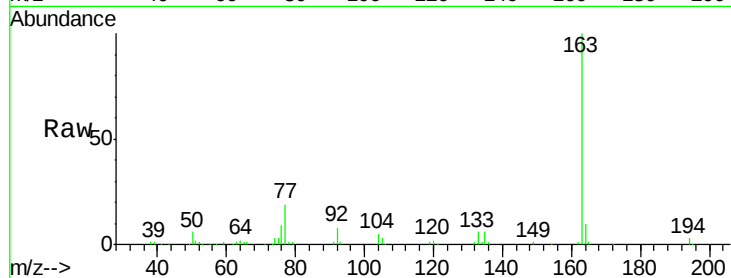
Tot Ion:163 Resp: 112762

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

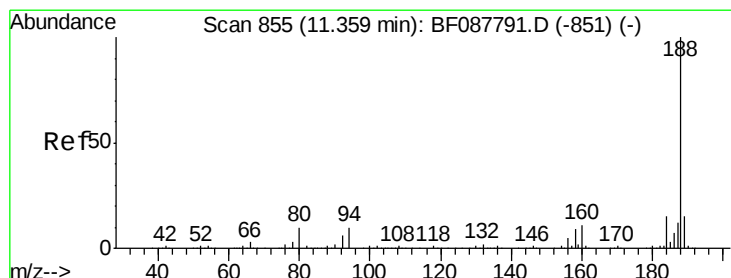
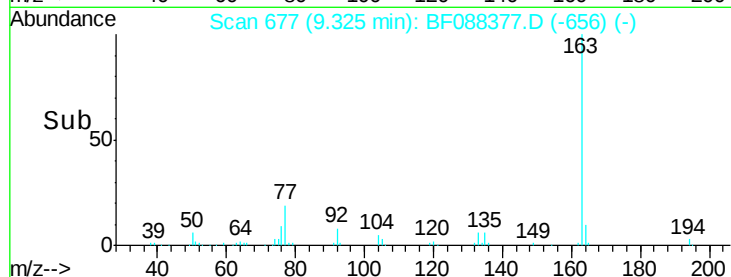
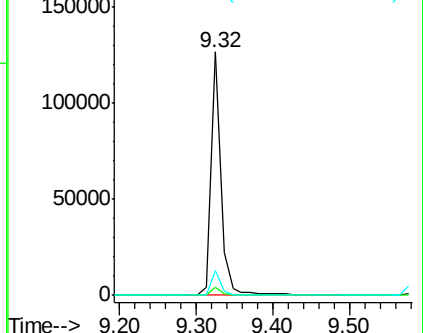
164 10.0 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.06 min Scan# 829

Delta R.T. -0.06 min

Lab File: BF088377.D

Acq: 25 Jun 2016 15:18

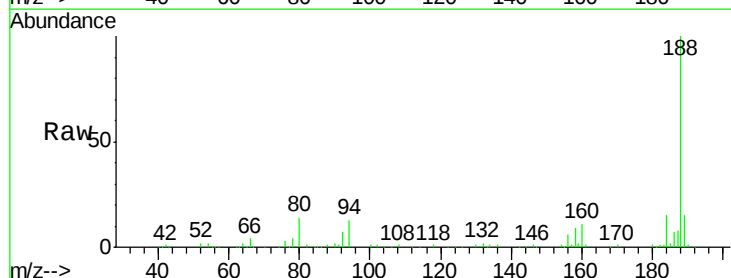
Tgt Ion:188 Resp: 228075

Ion Ratio Lower Upper

188 100

94 12.7 9.0 13.6

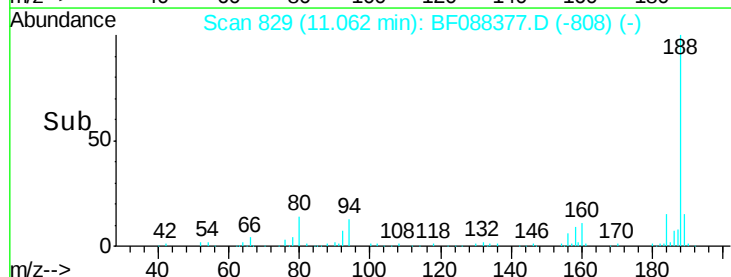
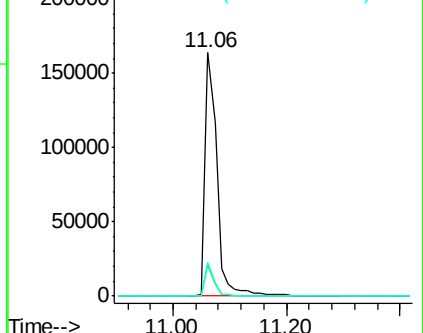
80 13.6 10.0 15.0

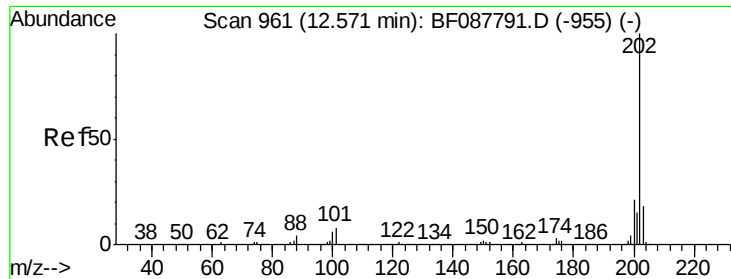


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 7.91 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF088377.D

Acq: 25 Jun 2016 15:18

Instrument :

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SC-STA-1456(0-4)

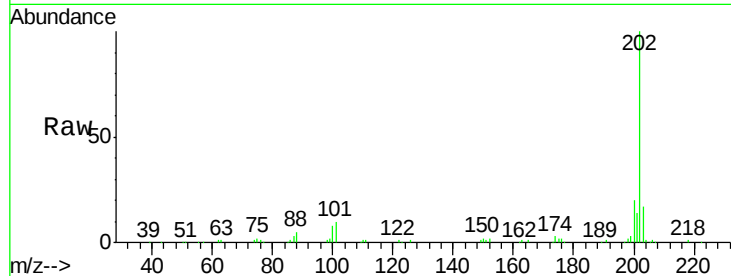
Tot Ion:202 Resp: 99926

Ion Ratio Lower Upper

202 100

101 10.3 0.0 33.1

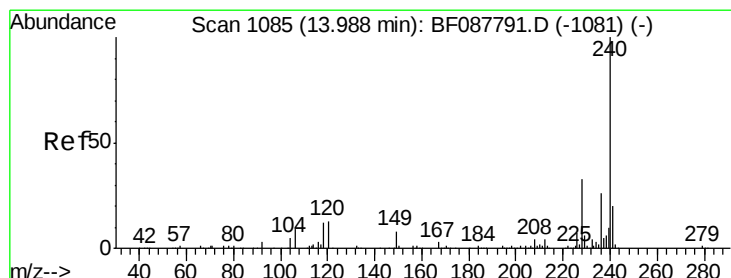
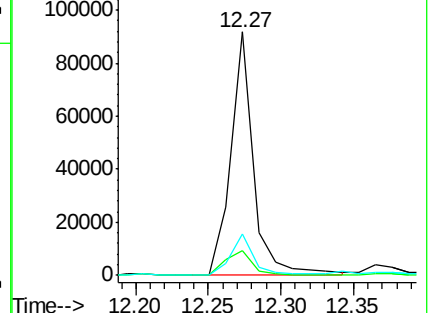
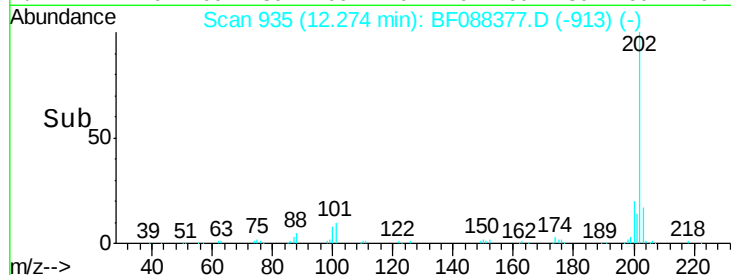
203 17.0 0.0 38.1



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: BF088377.D

Acq: 25 Jun 2016 15:18

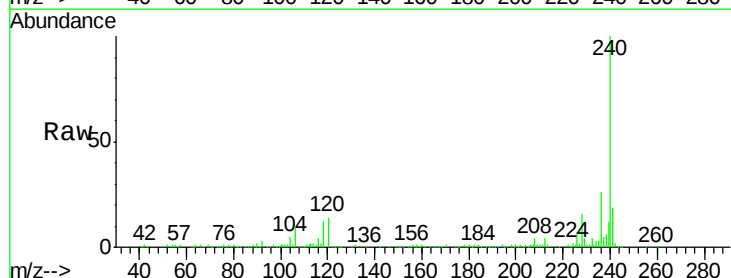
Tgt Ion:240 Resp: 158599

Ion Ratio Lower Upper

240 100

120 13.6 6.8 10.2#

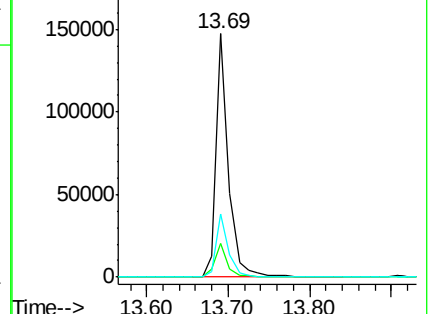
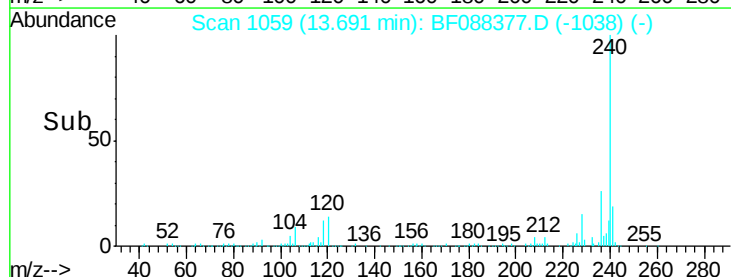
236 25.9 20.2 30.2

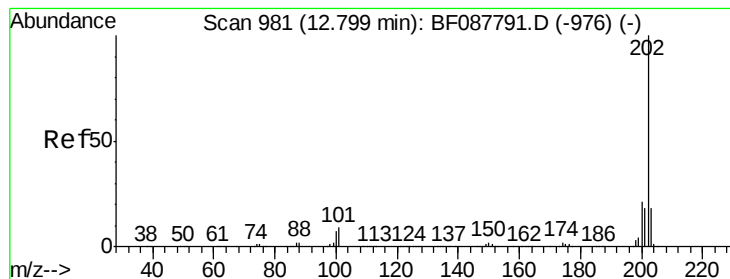


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.68 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088377.D

Acq: 25 Jun 2016 15:18

Instrument :

BNA_F

ClientSampleId :

SC-STA-1456(0-4)

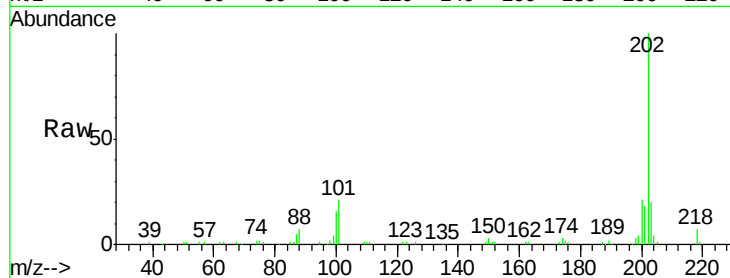
Tot Ion:202 Resp: 102101

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

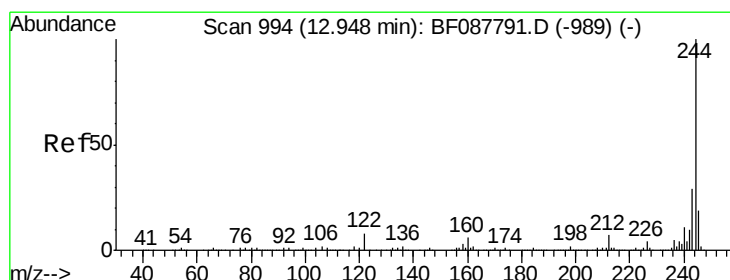
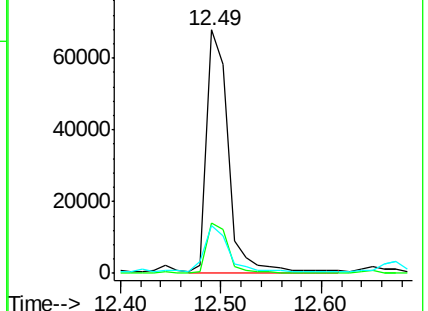
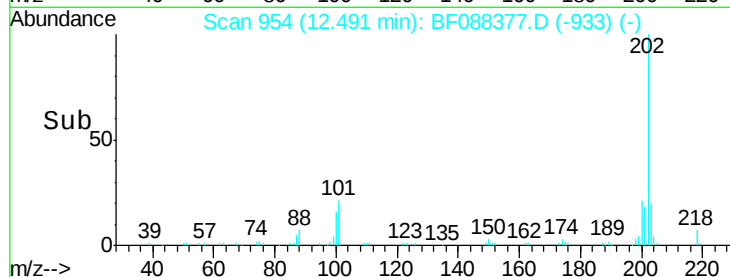
203 19.7 14.5 21.7



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: 67.39 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.05 min

Lab File: BF088377.D

Acq: 25 Jun 2016 15:18

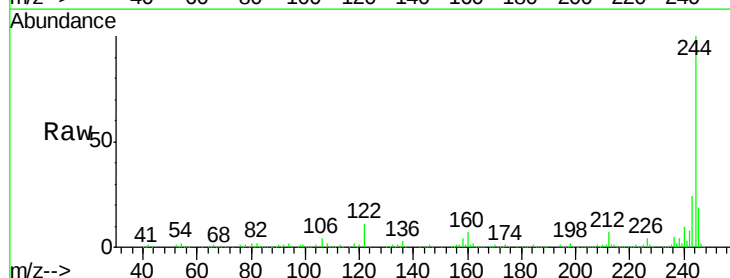
Tgt Ion:244 Resp: 469683

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

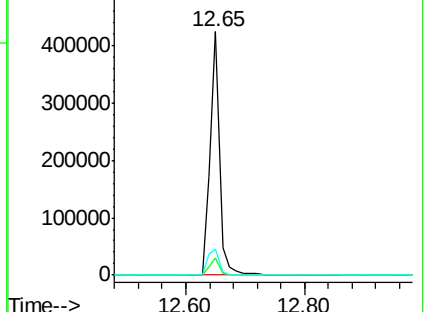
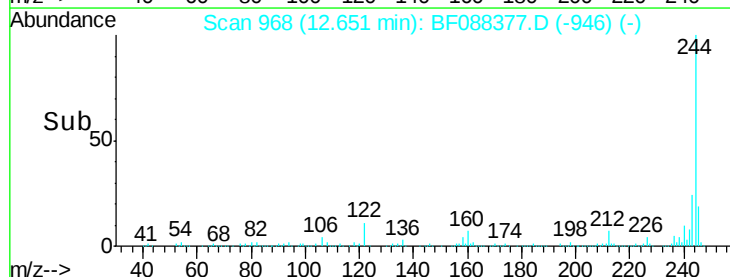
122 10.5 11.2 16.8#

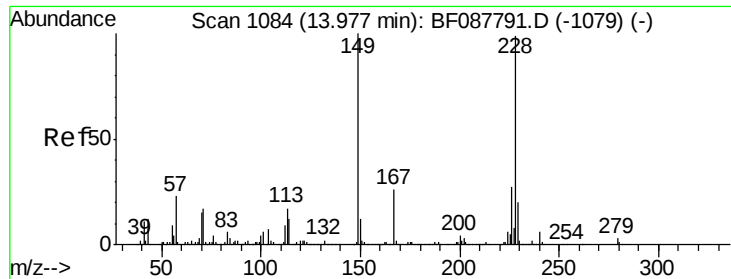


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

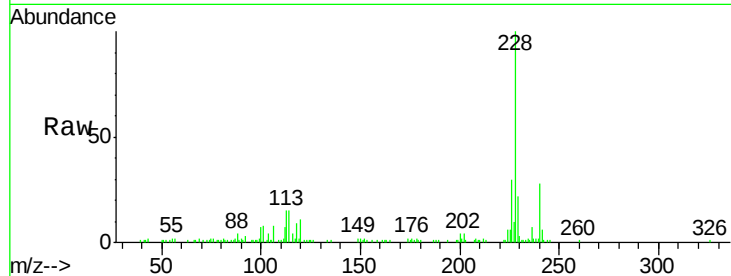




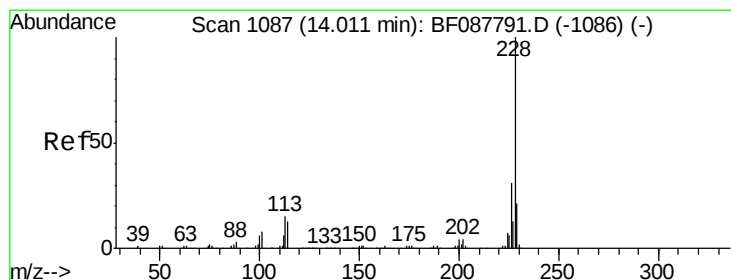
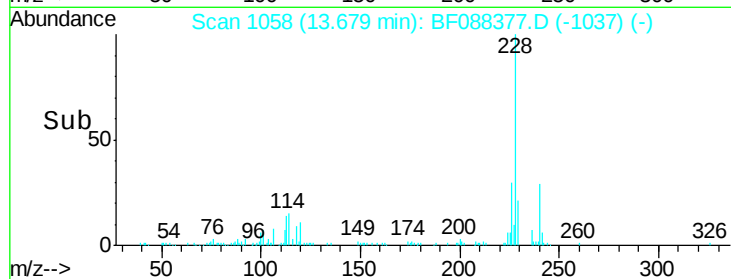
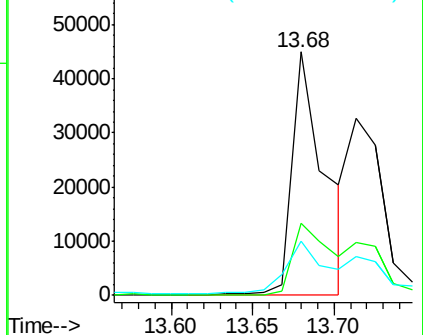
#80
Benzo(a)anthracene
Concen: 6.93 ng
RT: 13.68 min Scan# 1058
Delta R.T. -0.06 min
Lab File: BF088377.D
Acq: 25 Jun 2016 15:18

Instrument :
BNA_F
ClientSampleId :
SC-STA-1456(0-4)

Tot Ion:228 Resp: 62624
Ion Ratio Lower Upper
228 100
226 29.8 22.3 33.5
229 22.2 16.0 24.0

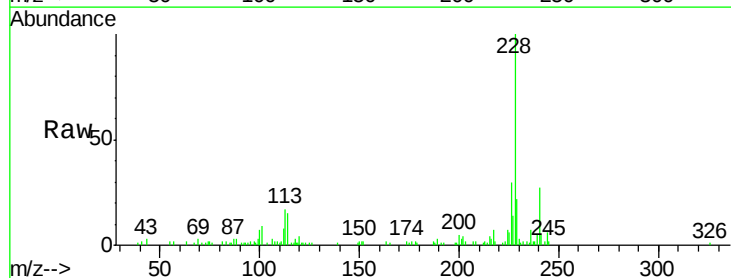


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

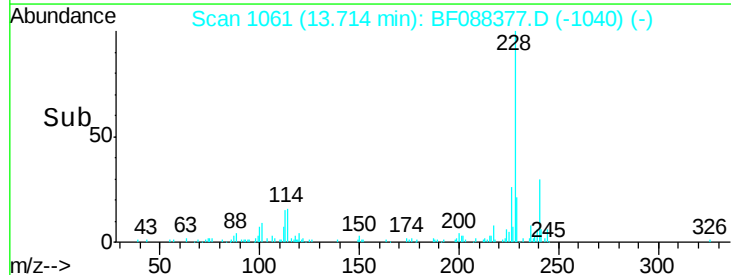
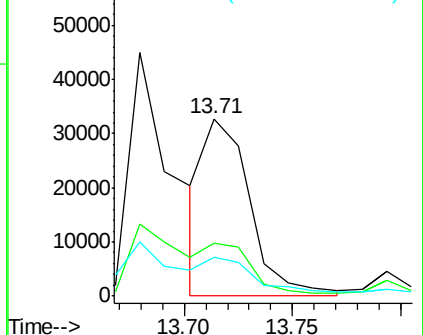


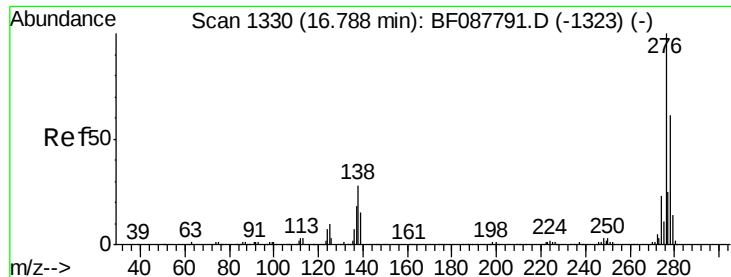
#82
Chrysene
Concen: 5.75 ng m
RT: 13.71 min Scan# 1061
Delta R.T. -0.06 min
Lab File: BF088377.D
Acq: 25 Jun 2016 15:18

Tgt Ion:228 Resp: 48890
Ion Ratio Lower Upper
228 100
226 29.7 25.4 38.2
229 21.8 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

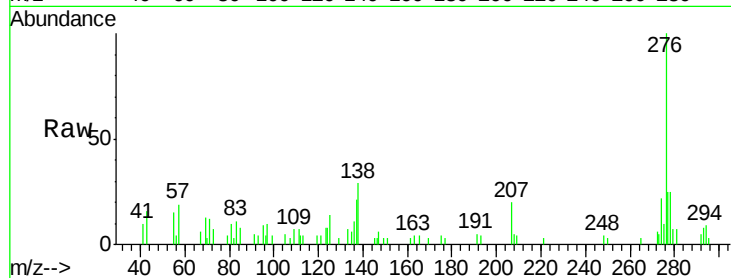




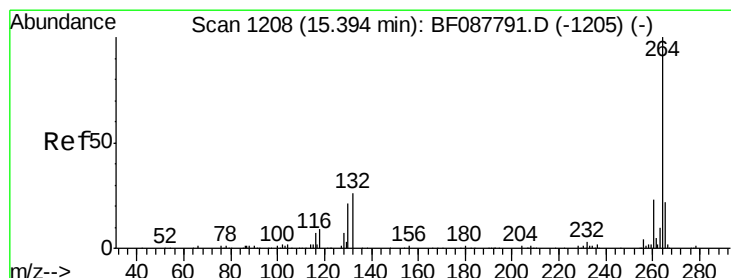
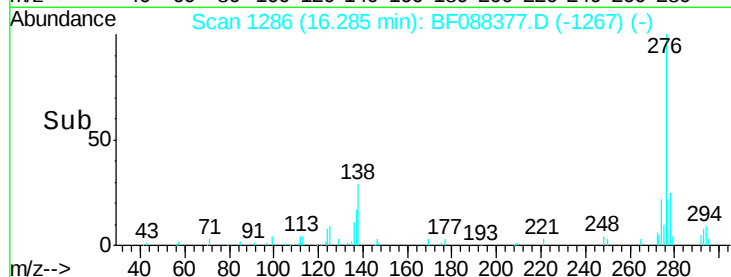
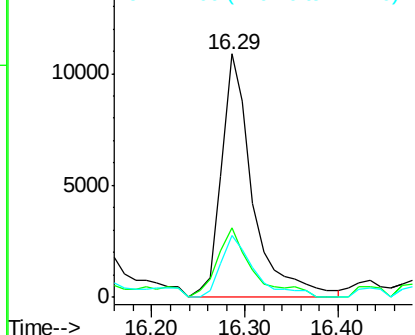
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.22 ng
RT: 16.29 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF088377.D
Acq: 25 Jun 2016 15:18

Instrument :
BNA_F
ClientSampleId :
SC-STA-1456(0-4)

Tot Ion:276 Resp: 25420
Ion Ratio Lower Upper
276 100
138 32.1 0.0 0.0#
277 27.3 0.0 0.0#

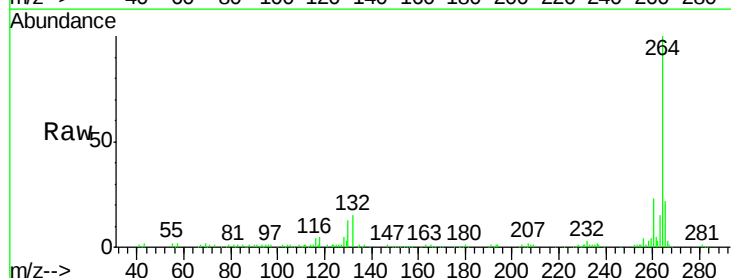


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

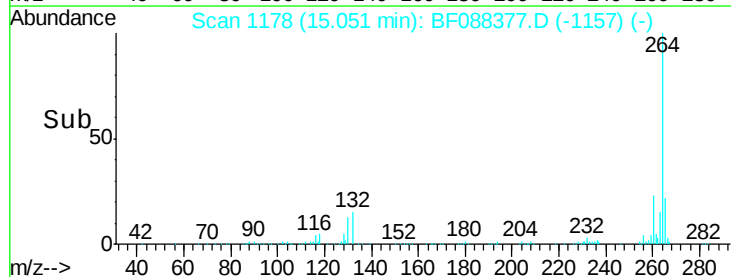
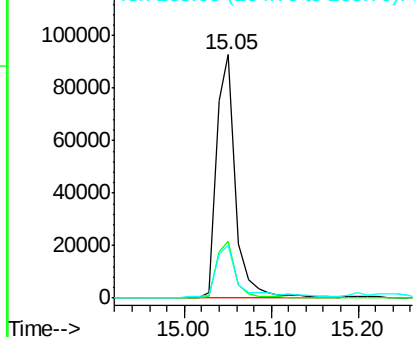


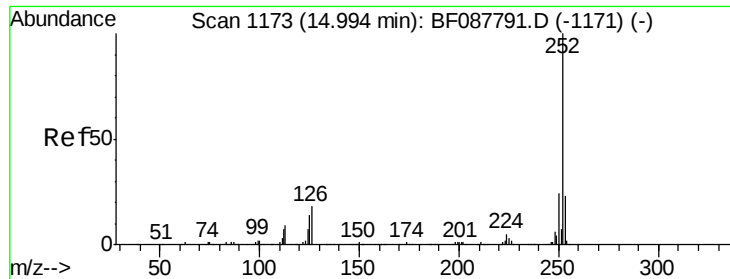
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF088377.D
Acq: 25 Jun 2016 15:18

Tgt Ion:264 Resp: 143100
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.5 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

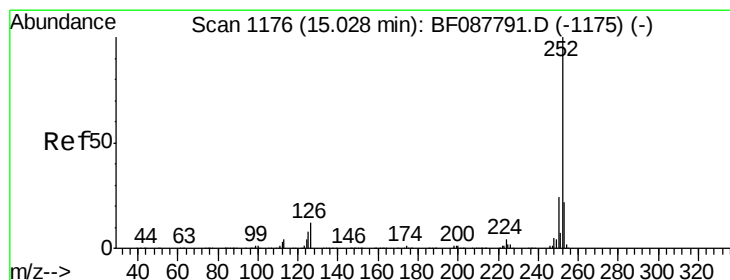
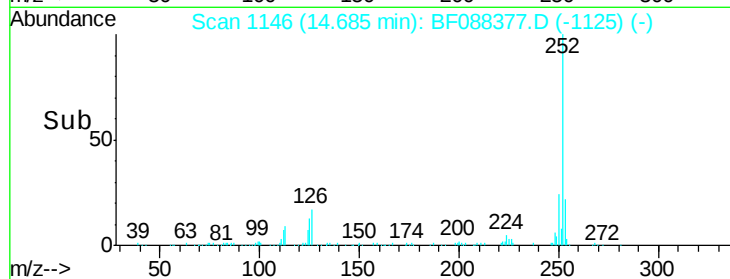
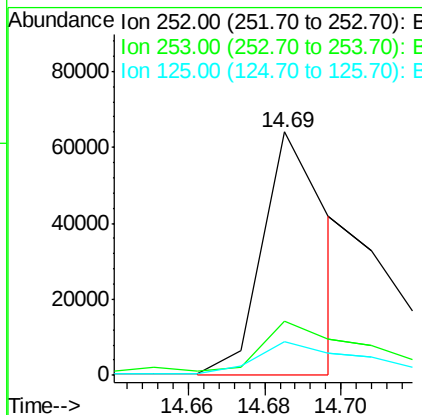
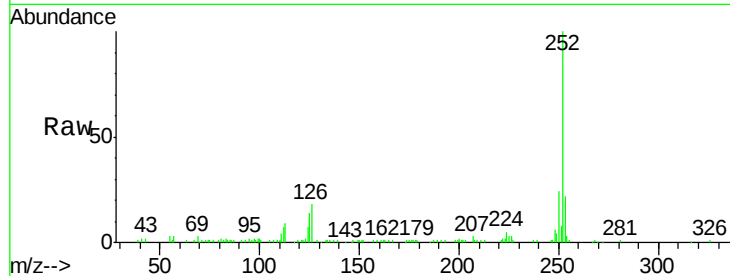




#87
Benzo(b)fluoranthene
Concen: 7.73 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF088377.D
Acq: 25 Jun 2016 15:18

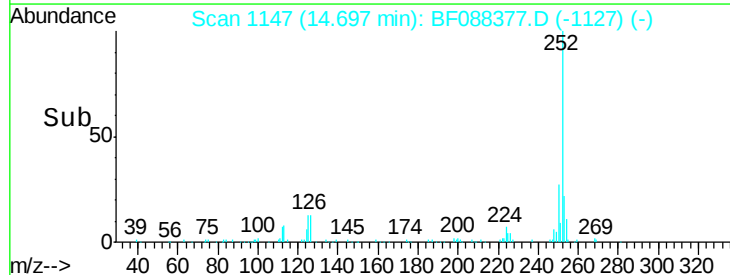
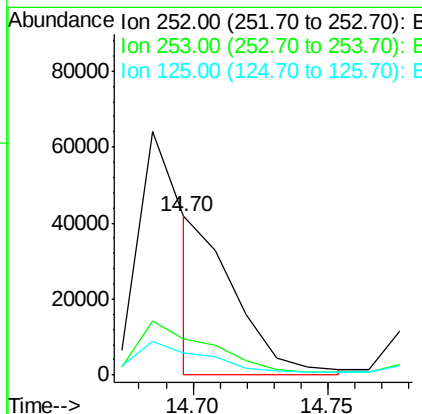
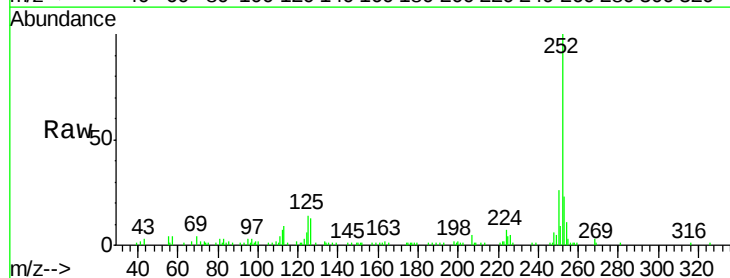
Instrument :
BNA_F
ClientSampleId :
SC-STA-1456(0-4)

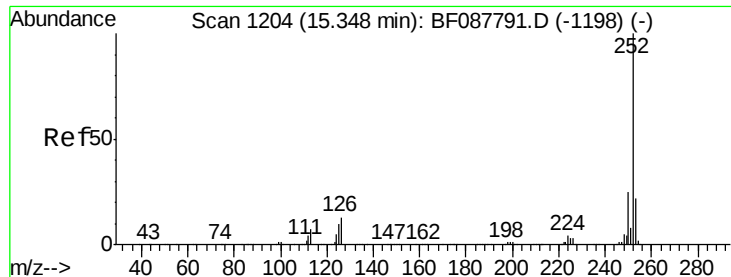
Tot Ion:252 Resp: 77090
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 14.0 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 5.18 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.07 min
Lab File: BF088377.D
Acq: 25 Jun 2016 15:18

Tgt Ion:252 Resp: 38993
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 13.9 11.2 16.8





#89

Benzo(a)pyrene

Concen: 5.47 ng

RT: 14.99 min Scan# 1173

Delta R.T. -0.06 min

Lab File: BF088377.D

Acq: 25 Jun 2016 15:18

Instrument :

BNA_F

ClientSampleId :

SC-STA-1456(0-4)

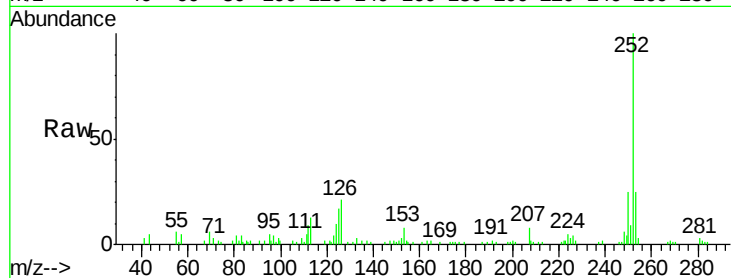
Tot Ion:252 Resp: 44163

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

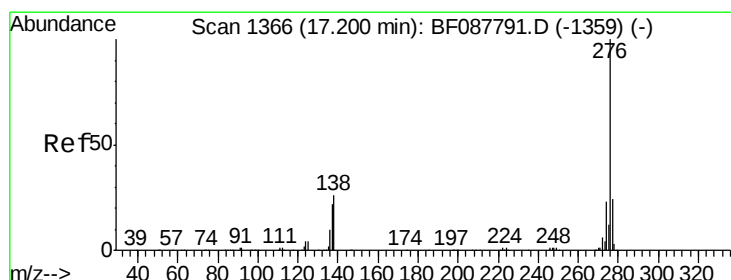
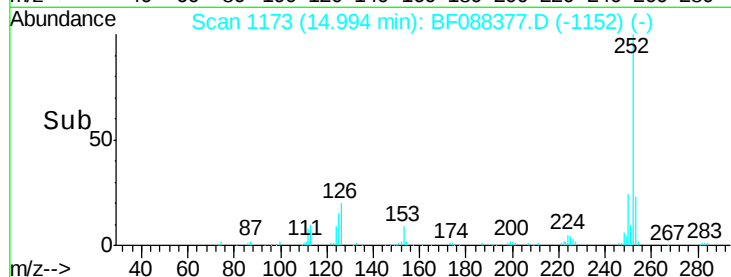
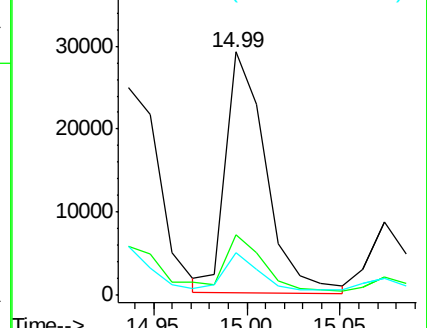
125 17.5 12.5 18.7



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



#91

Benzo(g,h,i)perylene

Concen: 2.67 ng

RT: 16.66 min Scan# 1319

Delta R.T. -0.08 min

Lab File: BF088377.D

Acq: 25 Jun 2016 15:18

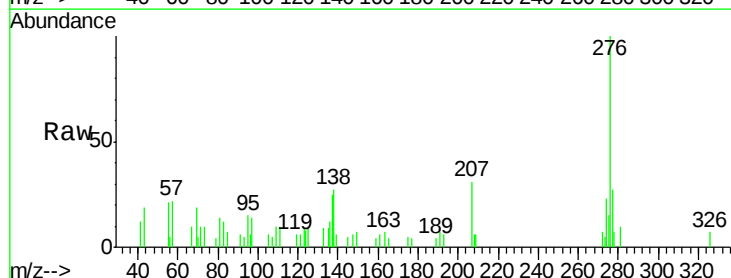
Tgt Ion:276 Resp: 20604

Ion Ratio Lower Upper

276 100

277 26.7 18.9 28.3

138 26.9 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

