

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
 Data File : BF089039.D
 Acq On : 16 Jul 2016 4:04
 Operator : UM/SJ
 Sample : H4020-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11-COMP

Quant Time: Jul 16 04:51:47 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

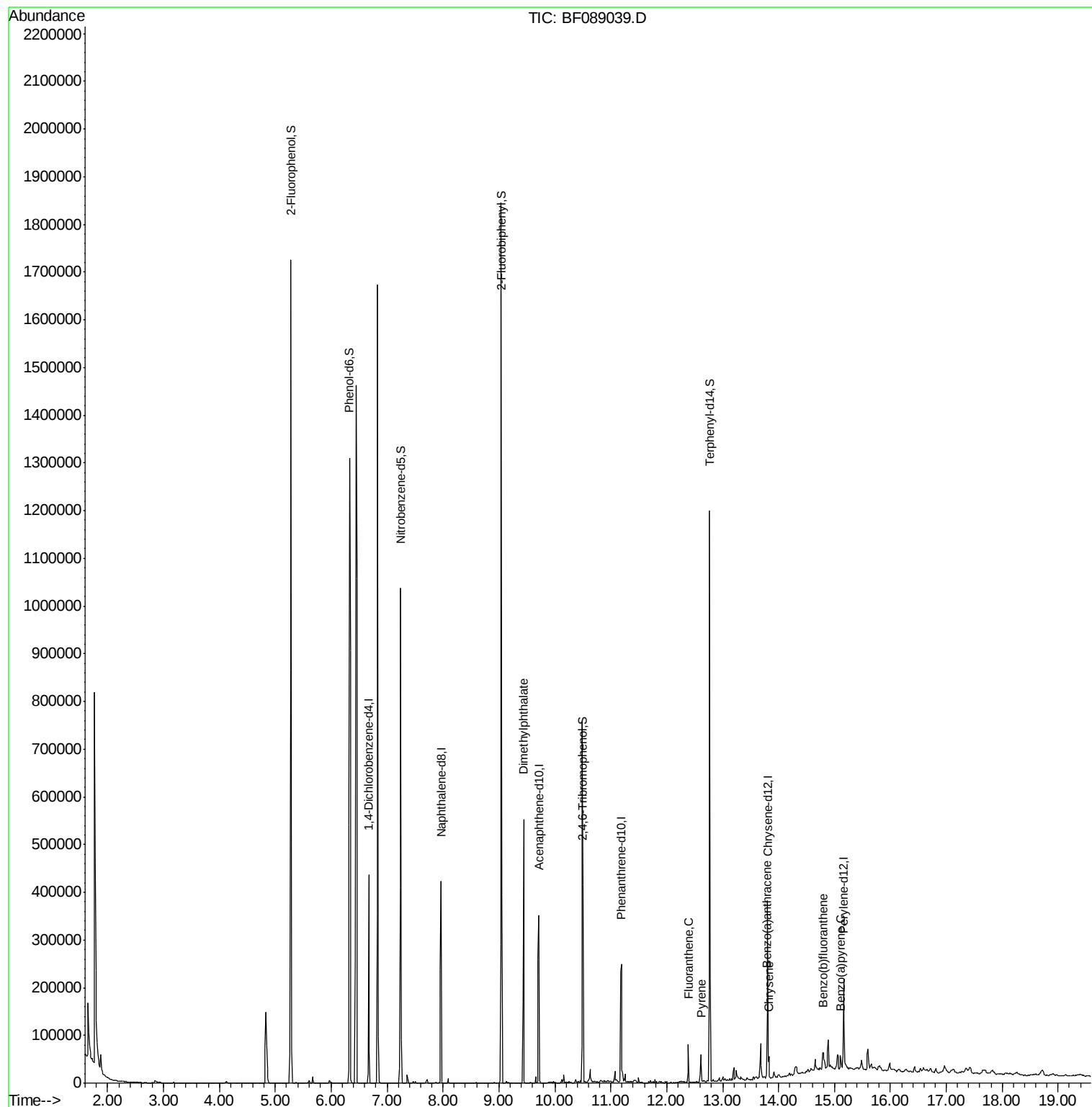
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	58012	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	229411	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	89396	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	133509	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	111084	20.00	ng	-0.05
86) Perylene-d12	15.17	264	78447	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	519400	134.18	ng	-0.01
7) Phenol-d6	6.33	99	706255	141.21	ng	-0.02
23) Nitrobenzene-d5	7.24	82	376905	86.10	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	100091	120.57	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	579417	102.38	ng	-0.03
78) Terphenyl-d14	12.76	244	339946	68.16	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	230348	36.17	ng	99
74) Fluoranthene	12.39	202	32319	4.37	ng	96
77) Pyrene	12.62	202	28285	3.00	ng	97
80) Benzo(a)anthracene	13.79	228	15728m	2.20	ng	
82) Chrysene	13.83	228	16856m	2.38	ng	
87) Benzo(b)fluoranthene	14.80	252	21614m	4.39	ng	
89) Benzo(a)pyrene	15.11	252	11900	2.86	ng	93

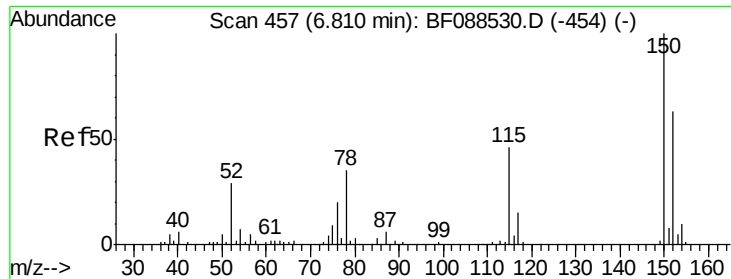
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089039.D

Acq: 16 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

SB-11-COMP

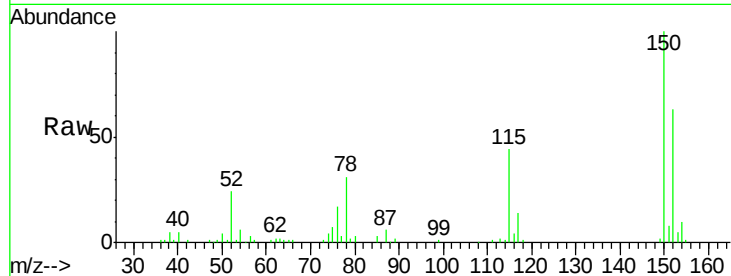
Tot Ion:152 Resp: 58012

Ion Ratio Lower Upper

152 100

150 159.5 123.8 185.6

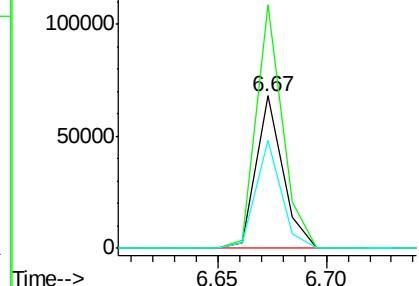
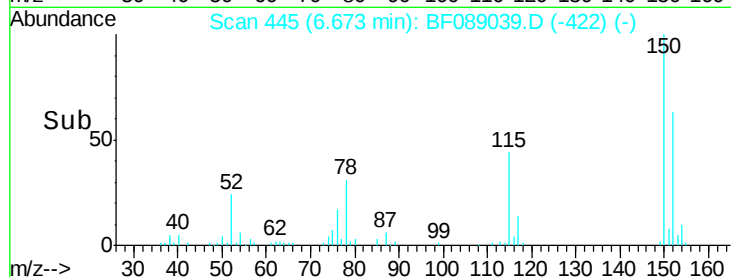
115 70.7 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 134.18 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.01 min

Lab File: BF089039.D

Acq: 16 Jul 2016 4:04

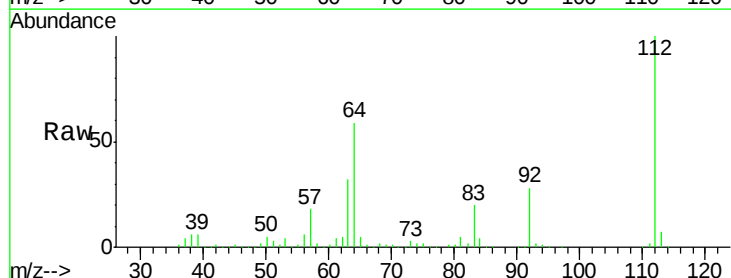
Tgt Ion:112 Resp: 519400

Ion Ratio Lower Upper

112 100

64 58.5 42.2 63.2

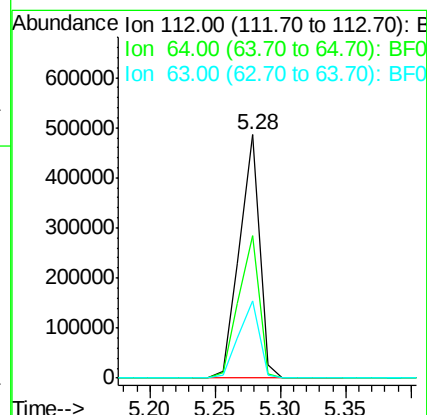
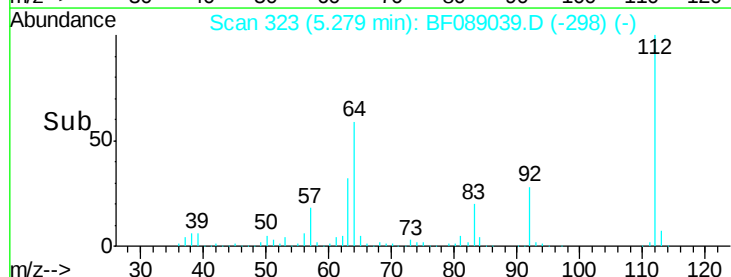
63 31.6 21.8 32.8



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: 141.21 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089039.D

Acq: 16 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

SB-11-COMP

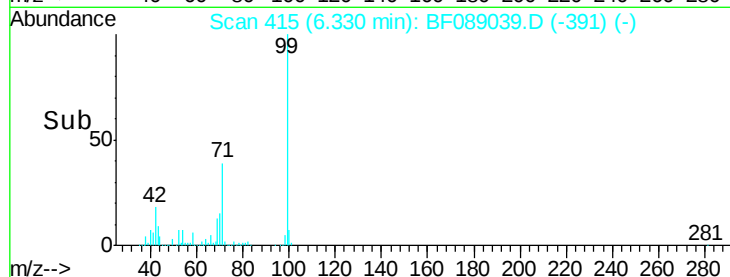
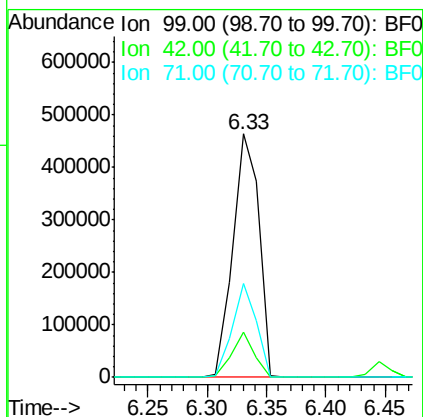
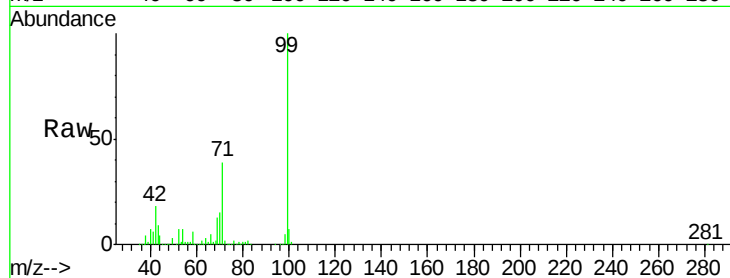
Tot Ion: 99 Resp: 706255

Ion Ratio Lower Upper

99 100

42 18.4 12.2 18.2#

71 38.5 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF089039.D

Acq: 16 Jul 2016 4:04

Tgt Ion: 136 Resp: 229411

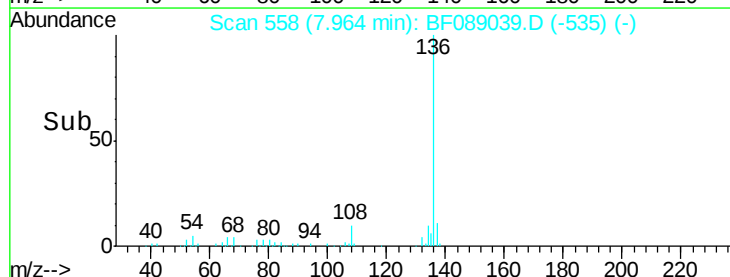
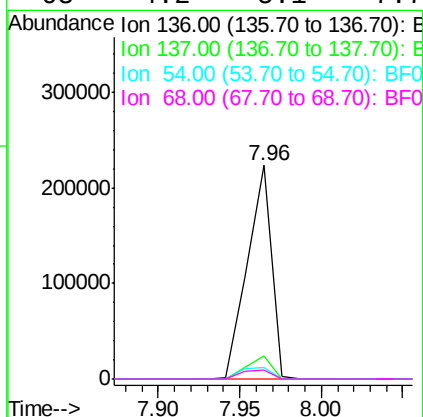
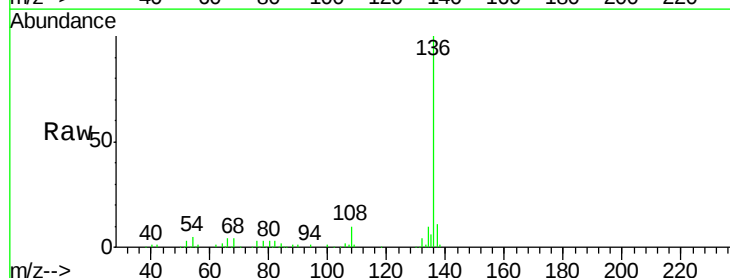
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.2 6.6 10.0#

68 4.2 5.1 7.7#

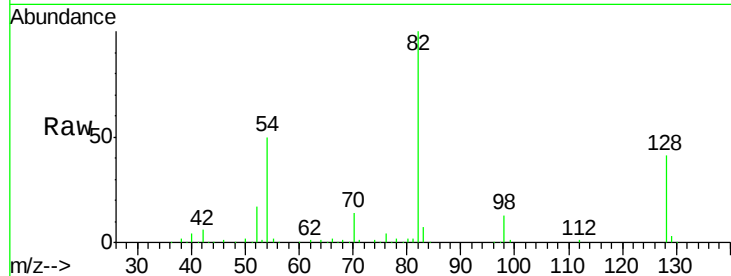




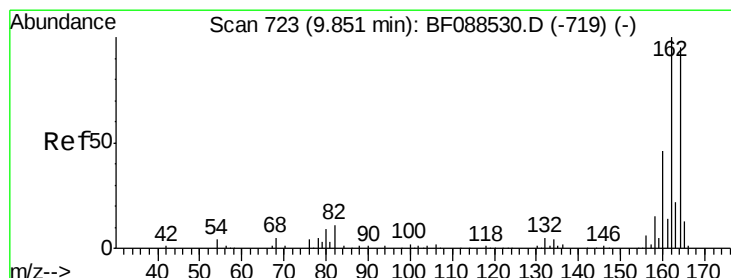
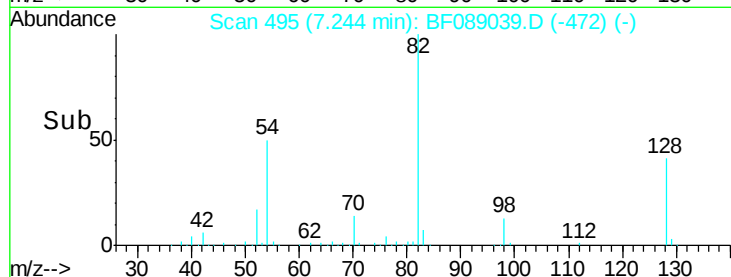
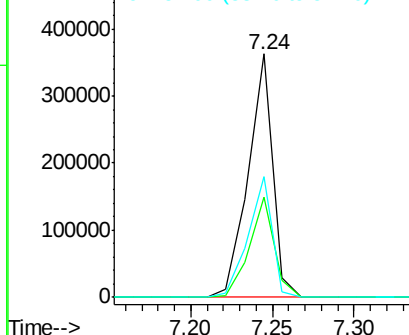
#23
 Nitrobenzene-d5
 Concen: 86.10 ng
 RT: 7.24 min Scan# 495
 Delta R.T. -0.03 min
 Lab File: BF089039.D
 Acq: 16 Jul 2016 4:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-11-COMP

Tot Ion	82	Resp	376905
Ion Ratio	100	Lower	Upper
128	41.2	35.9	53.9
54	49.7	40.9	61.3

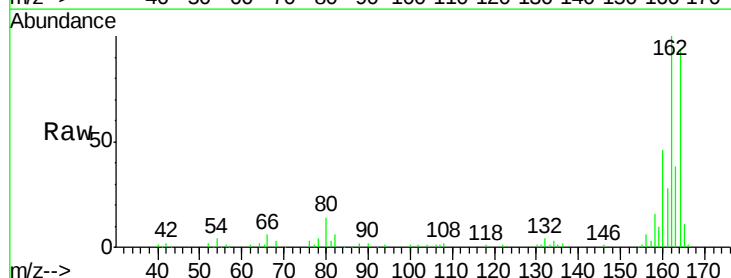


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

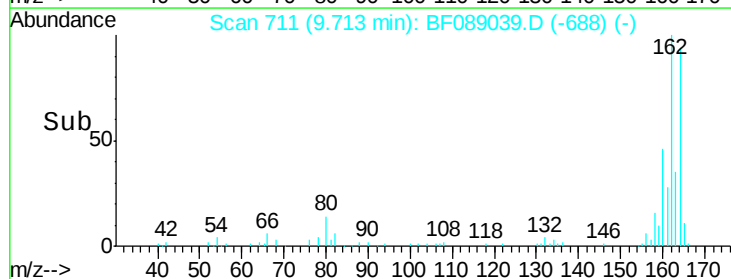
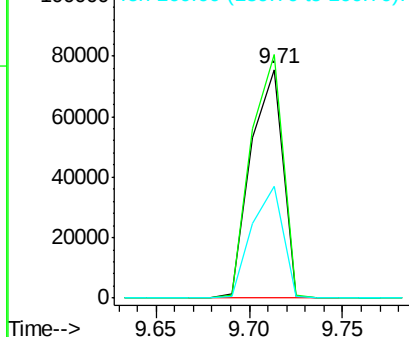


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF089039.D
 Acq: 16 Jul 2016 4:04

Tgt Ion	164	Resp	89396
Ion Ratio	100	Lower	Upper
162	106.5	85.4	128.2
160	49.0	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

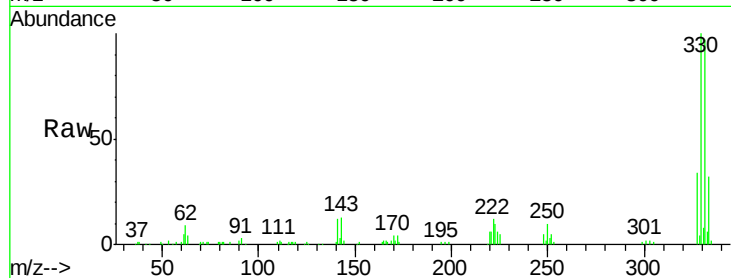




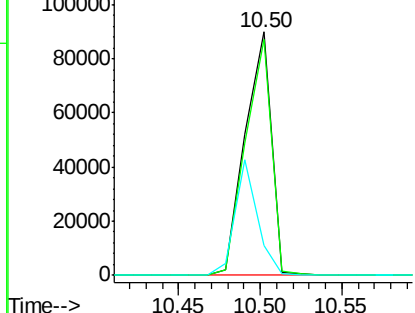
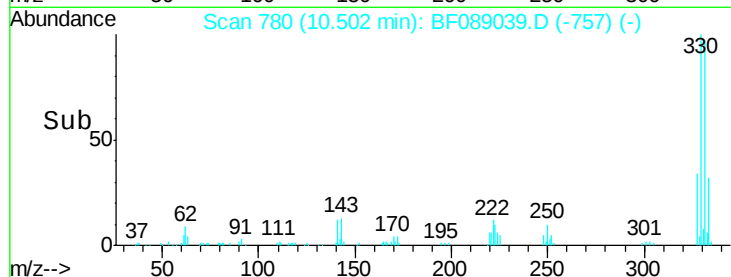
#41
 2,4,6-Tribromophenol
 Concen: 120.57 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF089039.D
 Acq: 16 Jul 2016 4:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-11-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	40.0	0.0	0.0#

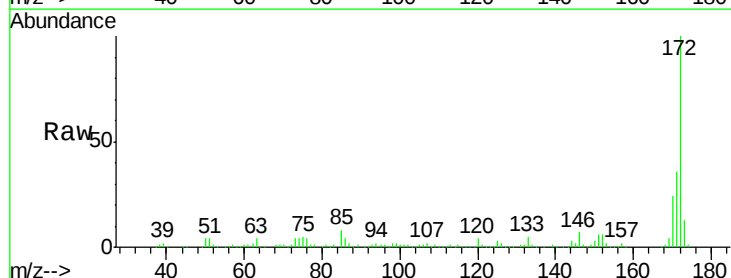


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

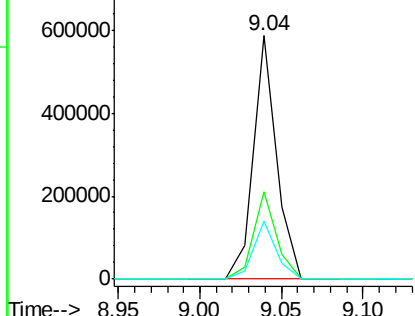
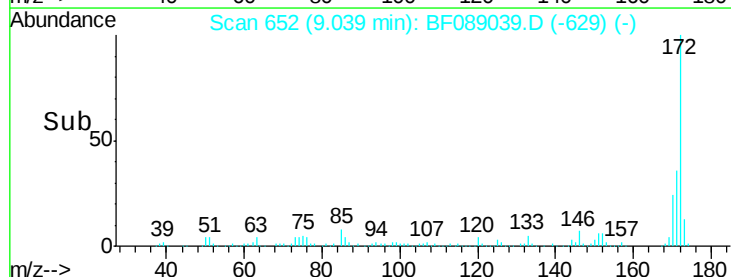


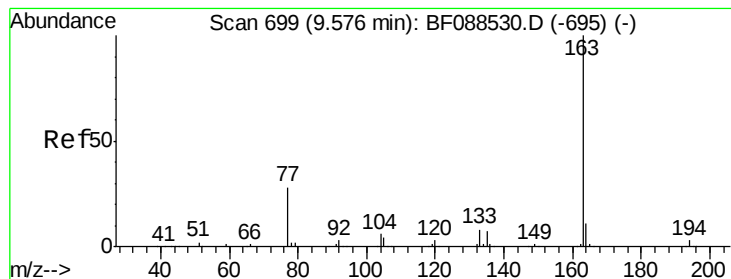
#44
 2-Fluorobiphenyl
 Concen: 102.38 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089039.D
 Acq: 16 Jul 2016 4:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	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





#49

Dimethylphthalate

Concen: 36.17 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.05 min

Lab File: BF089039.D

Acq: 16 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

SB-11-COMP

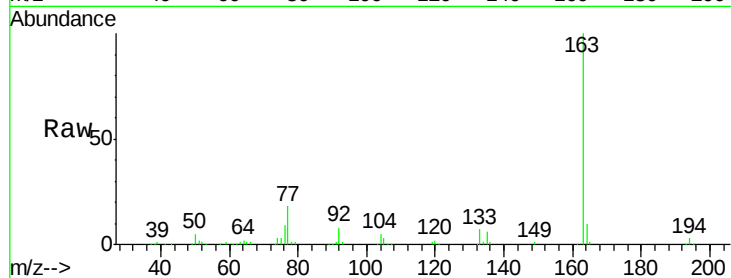
Tot Ion:163 Resp: 230348

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

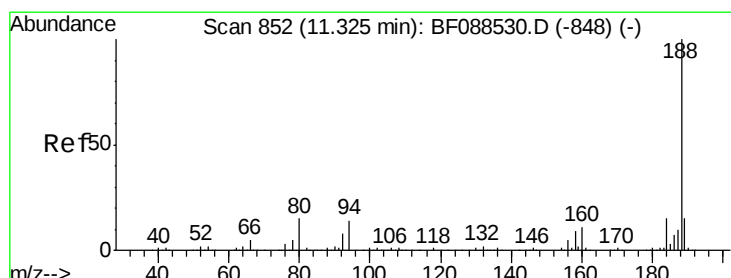
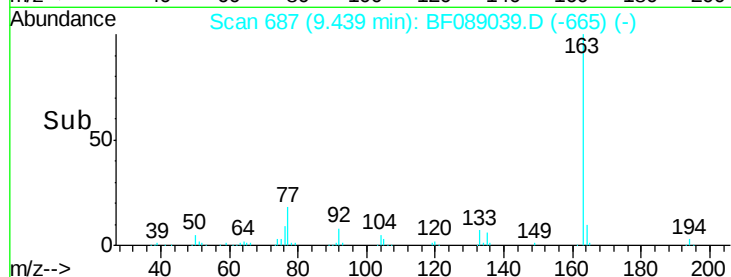
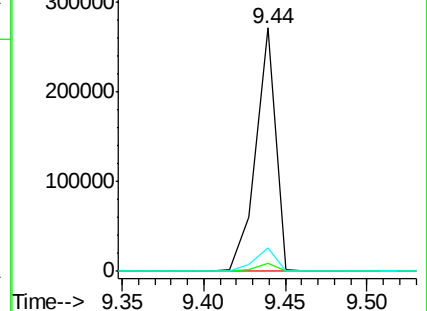
164 9.9 8.3 12.5



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: 11.19 min Scan# 840

Delta R.T. -0.03 min

Lab File: BF089039.D

Acq: 16 Jul 2016 4:04

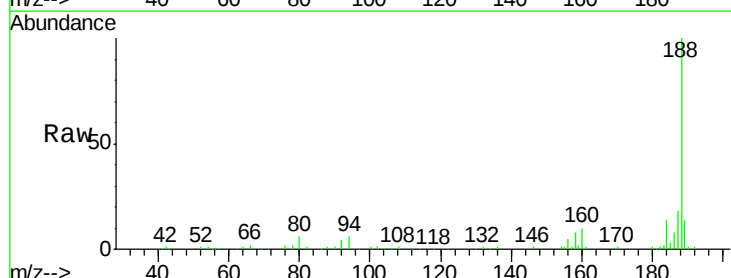
Tgt Ion:188 Resp: 133509

Ion Ratio Lower Upper

188 100

94 5.7 9.0 13.6#

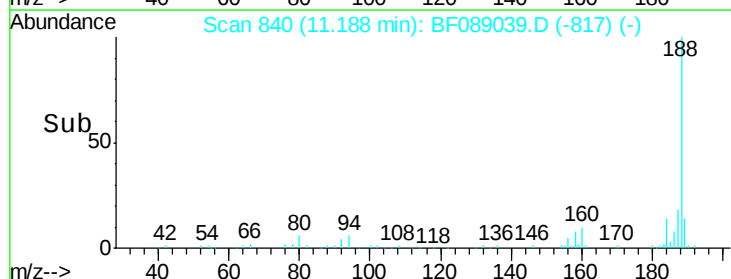
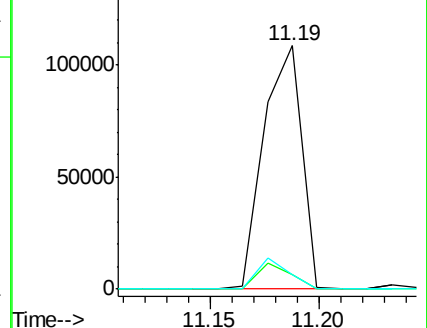
80 5.9 10.0 15.0#

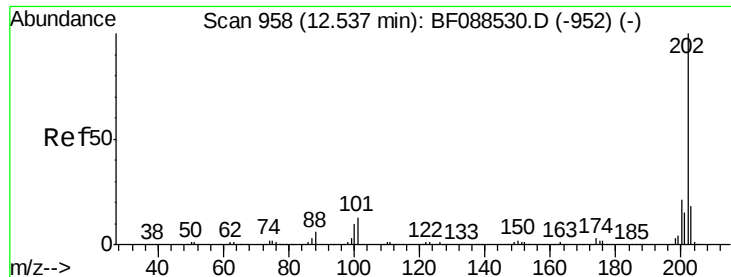


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 4.37 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF089039.D

Acq: 16 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

SB-11-COMP

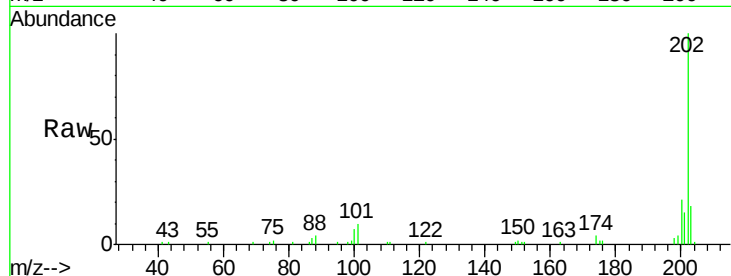
Tot Ion:202 Resp: 32319

Ion Ratio Lower Upper

202 100

101 9.6 0.0 33.1

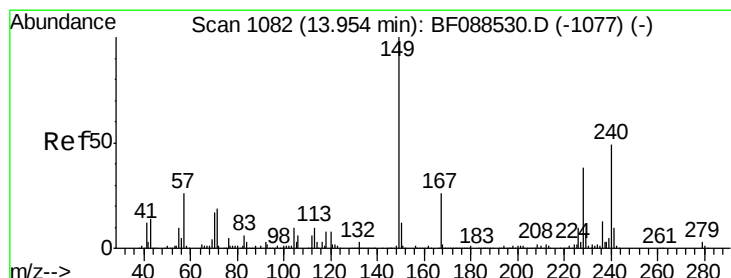
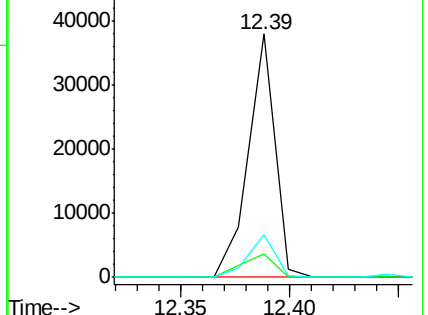
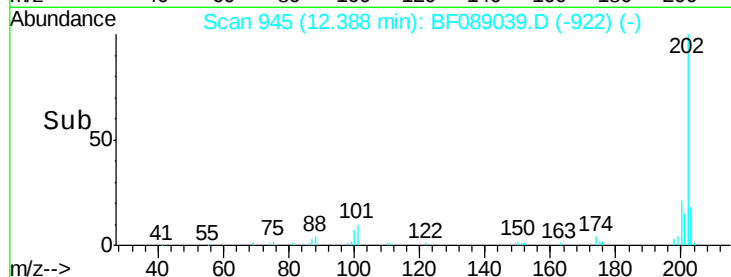
203 17.7 0.0 38.1



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: 13.81 min Scan# 1069

Delta R.T. -0.05 min

Lab File: BF089039.D

Acq: 16 Jul 2016 4:04

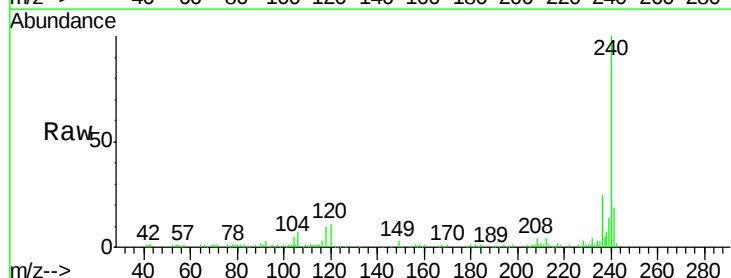
Tgt Ion:240 Resp: 111084

Ion Ratio Lower Upper

240 100

120 10.5 6.8 10.2#

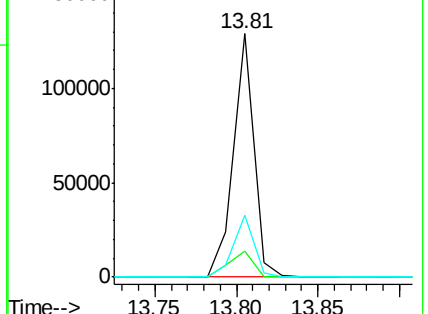
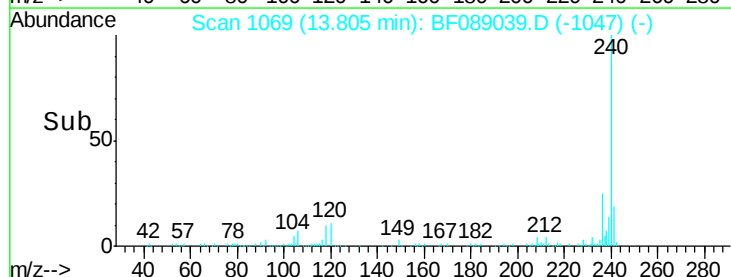
236 25.4 20.2 30.2

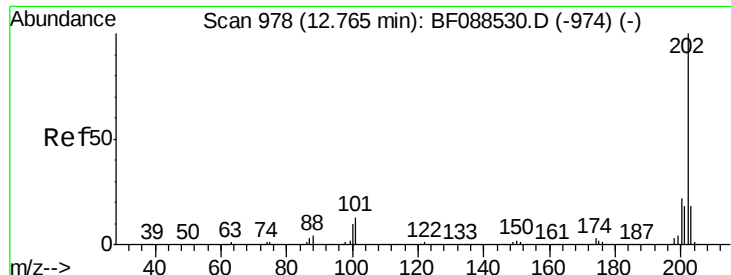


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

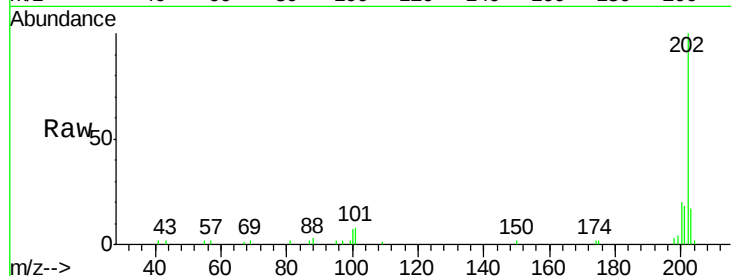




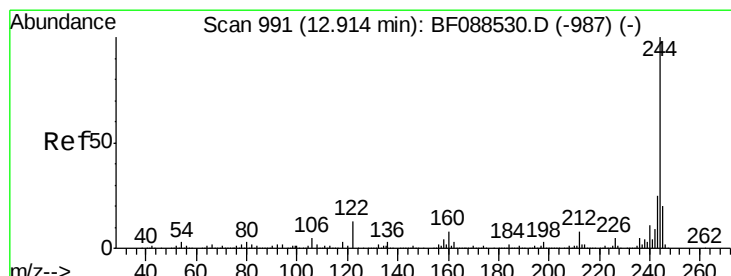
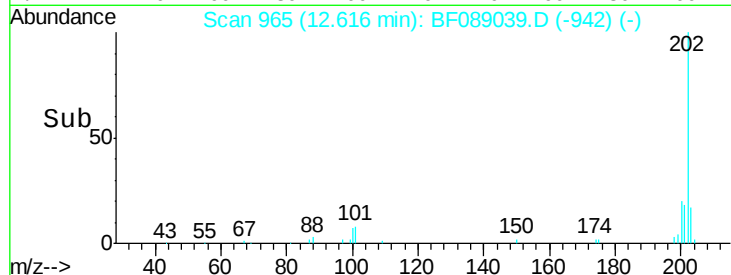
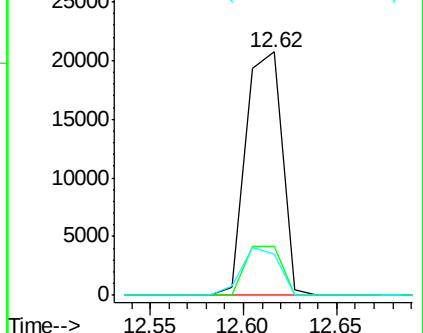
#77
 Pvrene
 Concen: 3.00 ng
 RT: 12.62 min Scan# 965
 Delta R.T. -0.03 min
 Lab File: BF089039.D
 Acq: 16 Jul 2016 4:04

Instrument :
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 SB-11-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	16.9	14.5	21.7

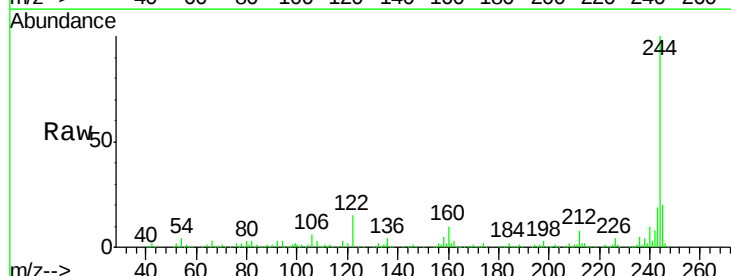


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

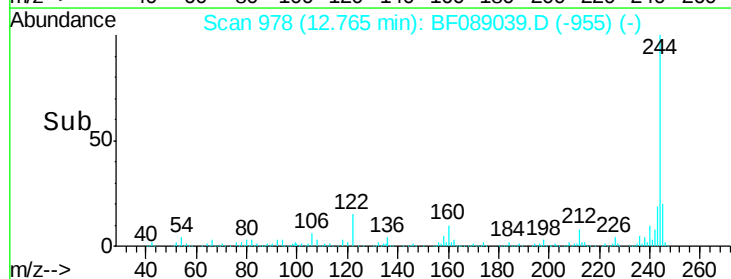
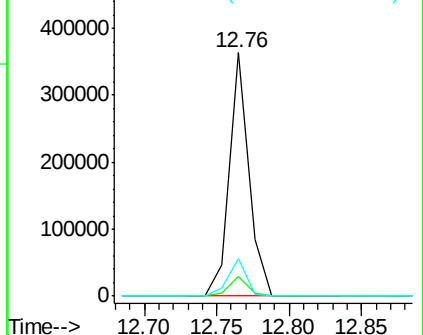


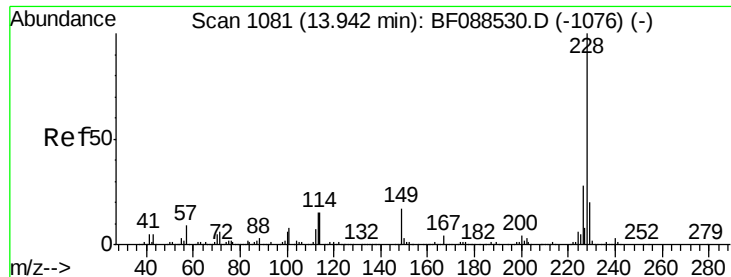
#78
 Terphenyl-d14
 Concen: 68.16 ng
 RT: 12.76 min Scan# 978
 Delta R.T. -0.03 min
 Lab File: BF089039.D
 Acq: 16 Jul 2016 4:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.0	9.0
122	15.4	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: 2.20 ng m

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089039.D

Acq: 16 Jul 2016 4:04

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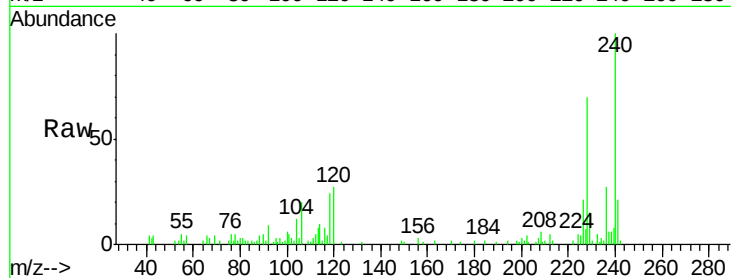
Tot Ion:228 Resp: 15728

Ion Ratio Lower Upper

228 100

226 29.7 22.3 33.5

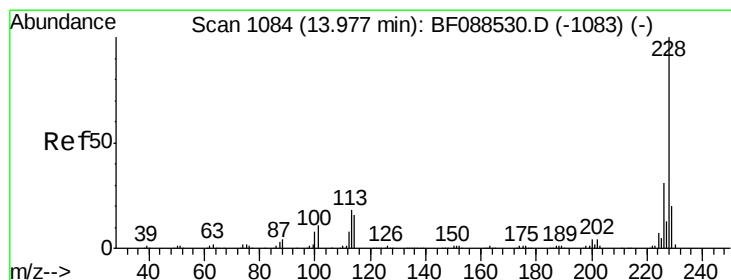
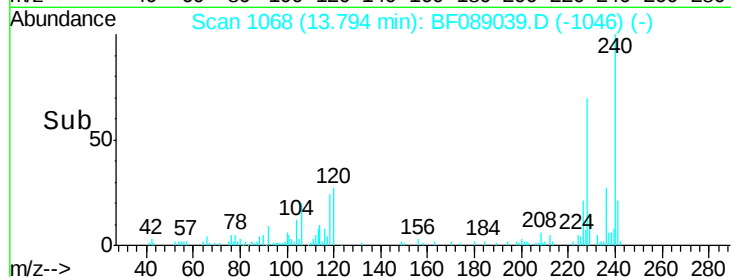
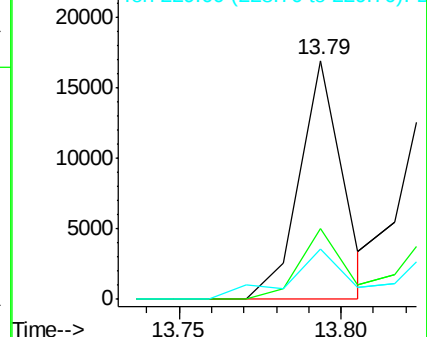
229 20.9 16.0 24.0



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: 2.38 ng m

RT: 13.83 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BF089039.D

Acq: 16 Jul 2016 4:04

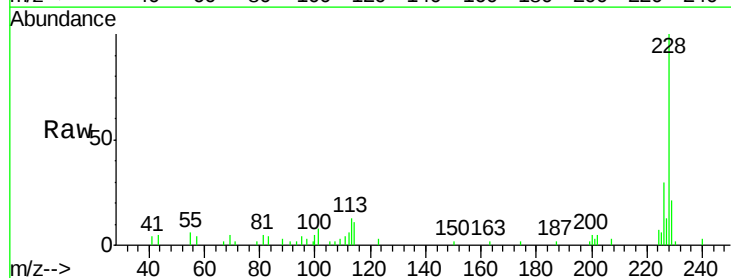
Tgt Ion:228 Resp: 16856

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.2

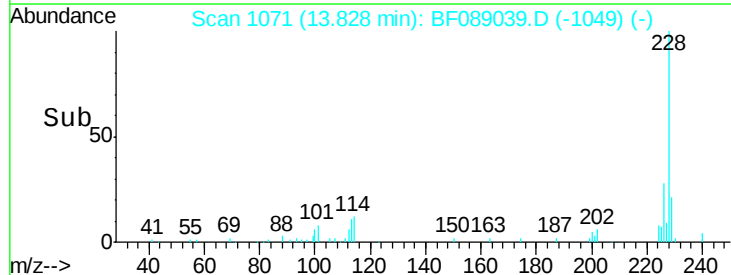
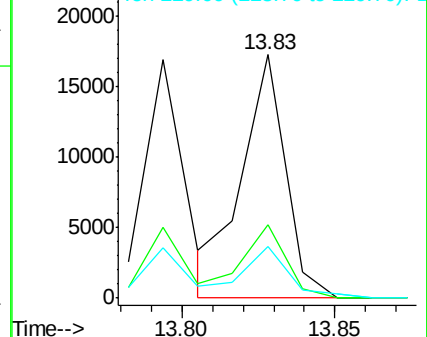
229 21.4 16.3 24.5

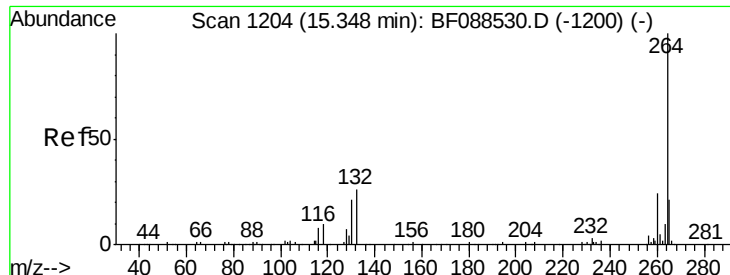


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

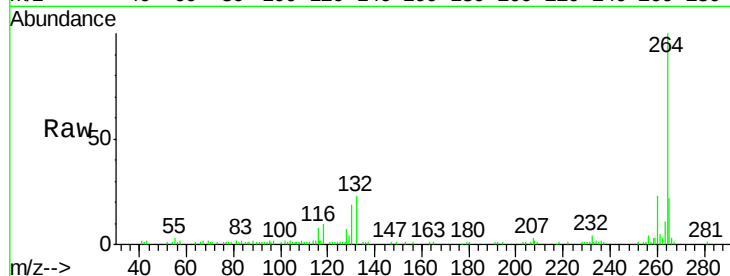




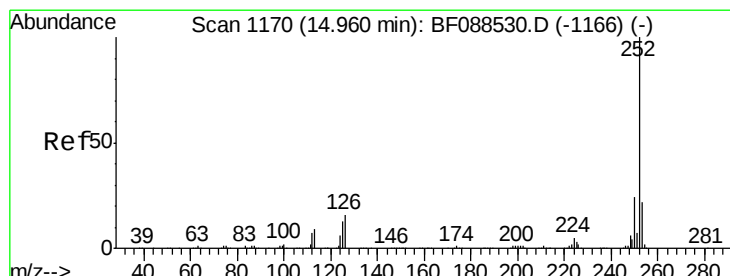
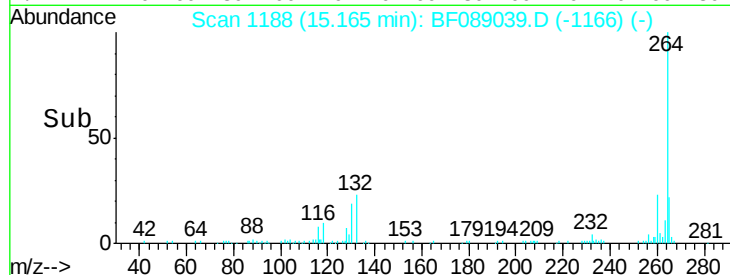
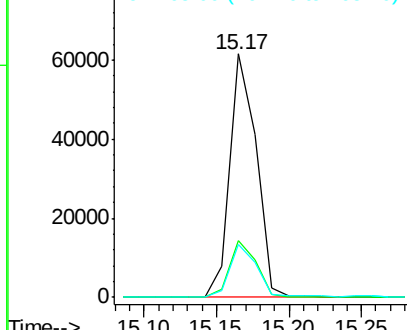
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1188
Delta R.T. -0.05 min
Lab File: BF089039.D
Acq: 16 Jul 2016 4:04

Instrument :
BNA_F
ClientSampleId :
SB-11-COMP

Tot Ion:264 Resp: 78447
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.6 16.9 25.3

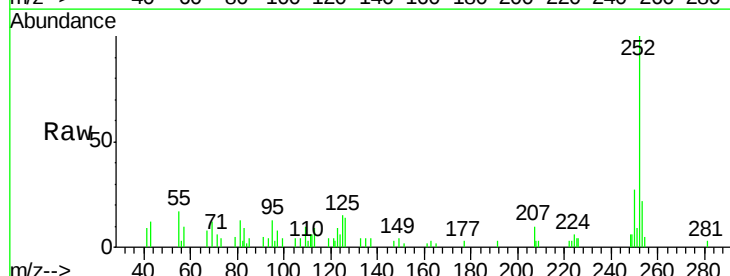


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

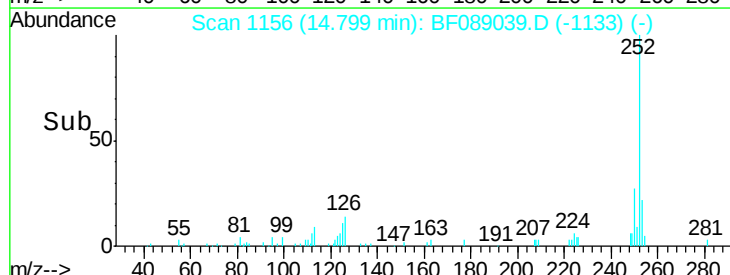
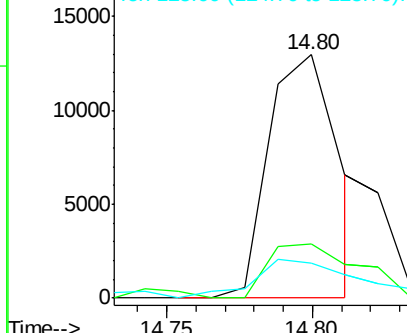


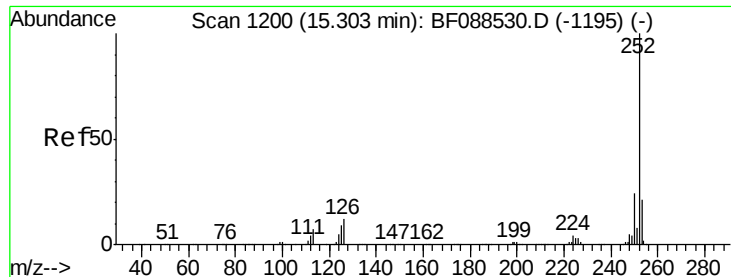
#87
Benzo(b)fluoranthene
Concen: 4.39 ng m
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF089039.D
Acq: 16 Jul 2016 4:04

Tgt Ion:252 Resp: 21614
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 14.6 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





#89

Benzo(a)pyrene

Concen: 2.86 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.06 min

Lab File: BF089039.D

Acq: 16 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

SB-11-COMP

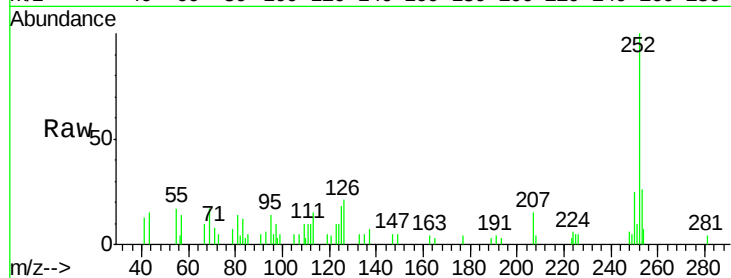
Tot Ion:252 Resp: 11900

Ion Ratio Lower Upper

252 100

253 25.9 17.9 26.9

125 18.4 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

