

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
 Data File : BF089041.D
 Acq On : 16 Jul 2016 5:03
 Operator : UM/SJ
 Sample : H4048-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Quant Time: Jul 16 05:28:58 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

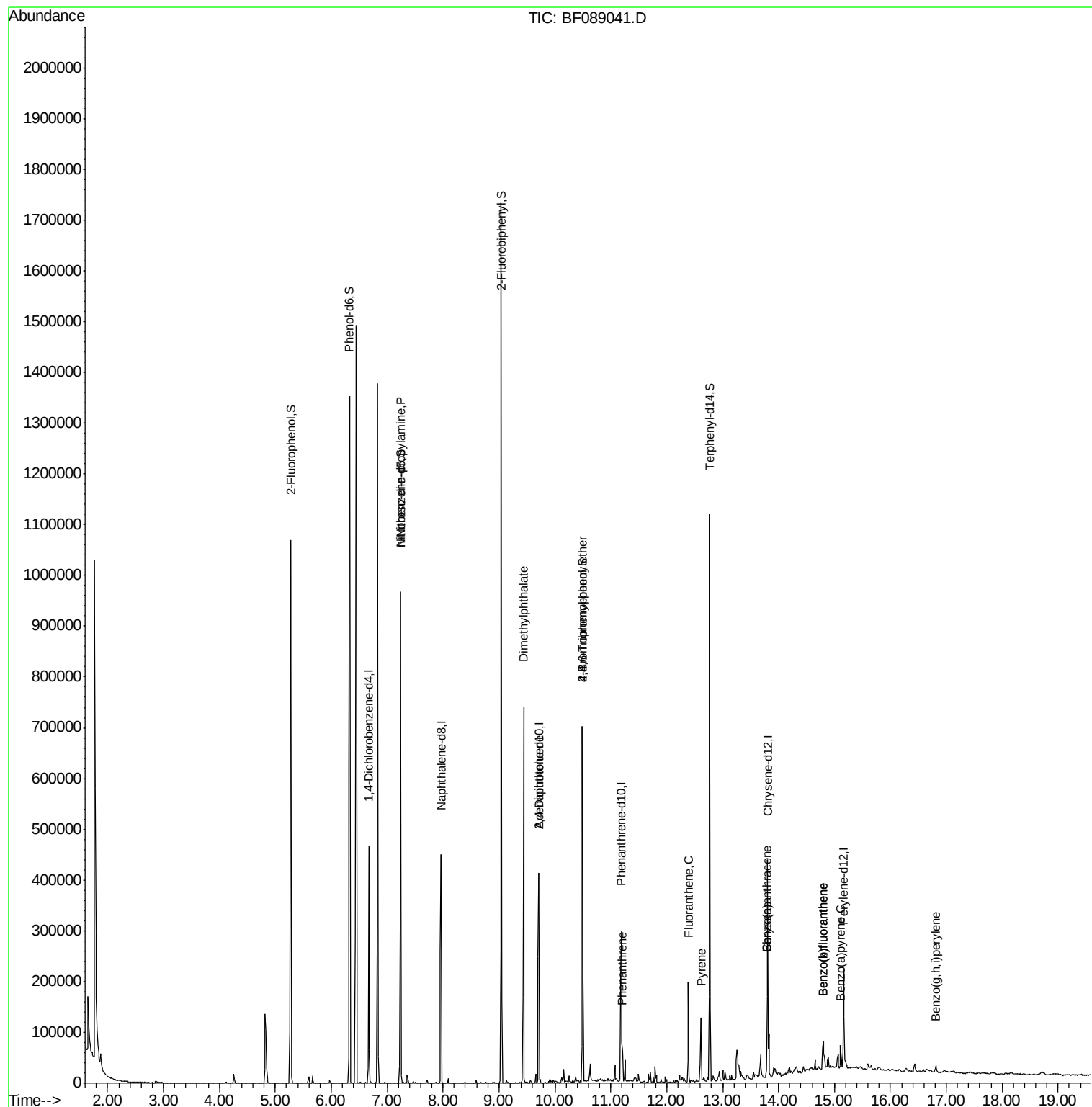
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	61412	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	244963	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	97468	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	145930	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	112579	20.00	ng	-0.05
86) Perylene-d12	15.17	264	80271	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	429649	104.85	ng	-0.01
7) Phenol-d6	6.33	99	496172	93.71	ng	-0.02
23) Nitrobenzene-d5	7.24	82	337295	72.16	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	68397	75.57	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	479123	77.65	ng	-0.03
78) Terphenyl-d14	12.77	244	299391	59.23	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.24	70	46522	13.08	ng	# 74
49) Dimethylphthalate	9.44	163	281331	40.51	ng	99
56) 2,4-Dinitrotoluene	9.71	165	12265	6.10	ng	# 36
66) 4-Bromophenyl-phenylether	10.49	248	5079	3.45	ng	# 1
70) Phenanthrene	11.21	178	39316	4.93	ng	98
74) Fluoranthene	12.39	202	75518	9.34	ng	94
77) Pyrene	12.62	202	63495	6.65	ng	96
80) Benzo(a)anthracene	13.79	228	35411	4.88	ng	97
82) Chrysene	13.79	228	35411	4.94	ng	98
87) Benzo(b)fluoranthene	14.80	252	36965	7.34	ng	# 93
88) Benzo(k)fluoranthene	14.80	252	36965	8.43	ng	97
89) Benzo(a)pyrene	15.11	252	19963	4.68	ng	96
91) Benzo(g,h,i)perylene	16.81	276	9074	2.46	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: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089041.D

Acq: 16 Jul 2016 5:03

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ClientSampleId :

SB-02-COMP

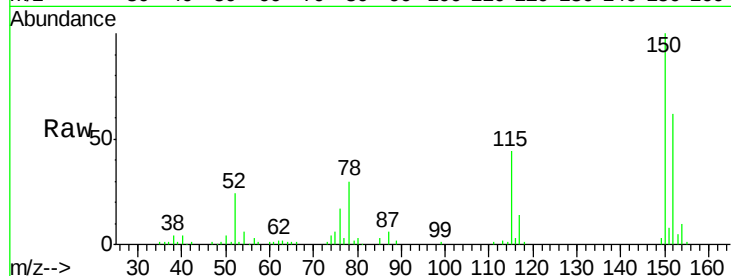
Tgt Ion:152 Resp: 61412

Ion Ratio Lower Upper

152 100

150 160.1 123.8 185.6

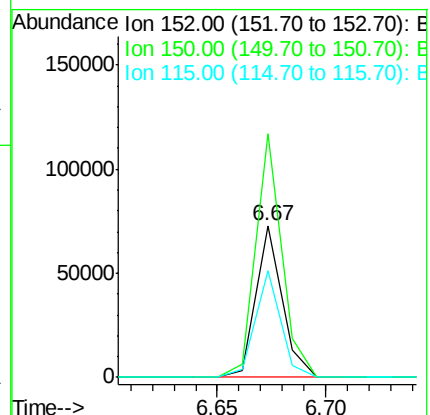
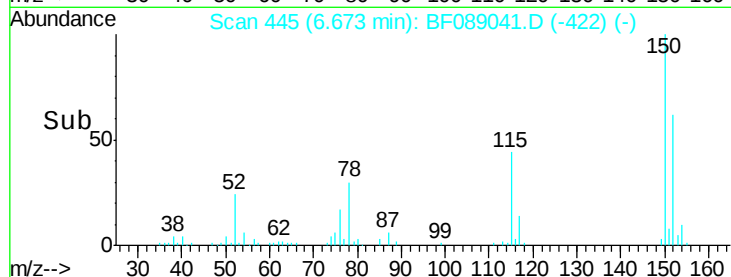
115 70.5 39.6 59.4#



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: 104.85 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.01 min

Lab File: BF089041.D

Acq: 16 Jul 2016 5:03

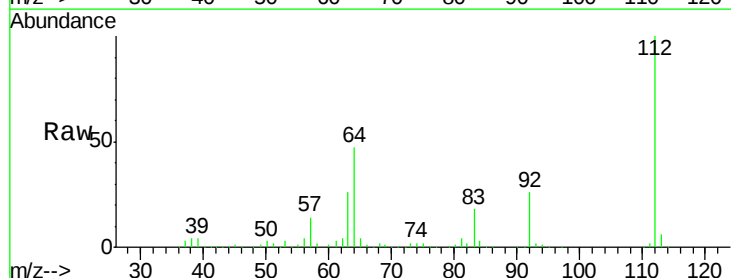
Tgt Ion:112 Resp: 429649

Ion Ratio Lower Upper

112 100

64 47.1 42.2 63.2

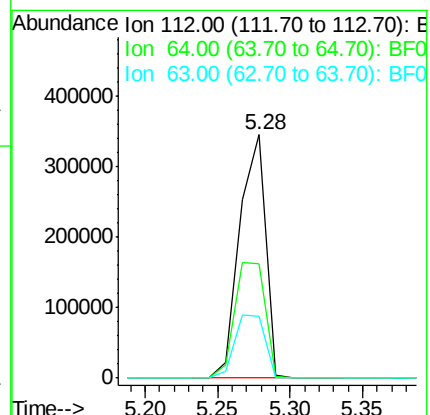
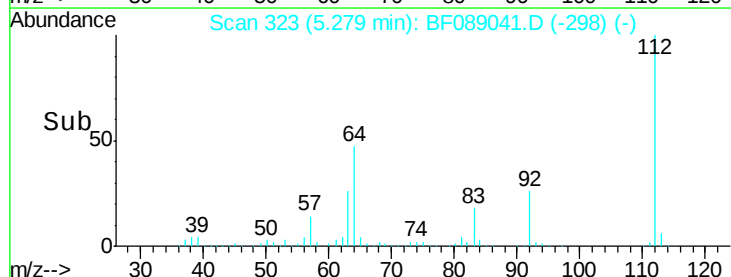
63 25.5 21.8 32.8

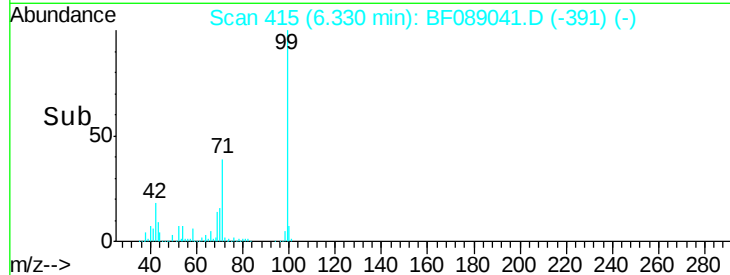
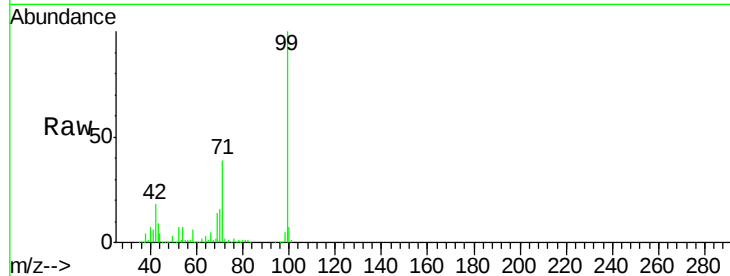


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 93.71 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089041.D

Acq: 16 Jul 2016 5:03

Instrument :

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ClientSampleId :

SB-02-COMP

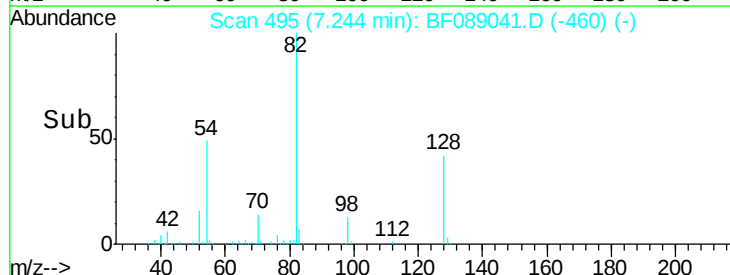
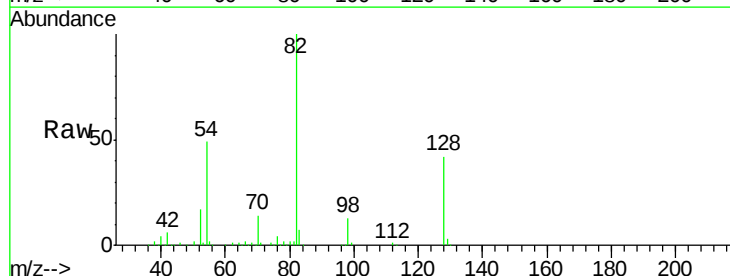
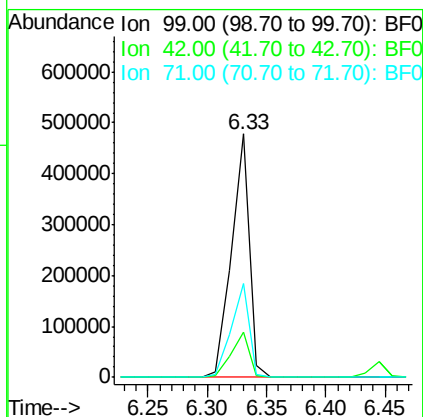
Tgt Ion: 99 Resp: 496172

Ion Ratio Lower Upper

99 100

42 18.3 12.2 18.2#

71 38.6 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 13.08 ng

RT: 7.24 min Scan# 495

Delta R.T. 0.10 min

Lab File: BF089041.D

Acq: 16 Jul 2016 5:03

Tgt Ion: 70 Resp: 46522

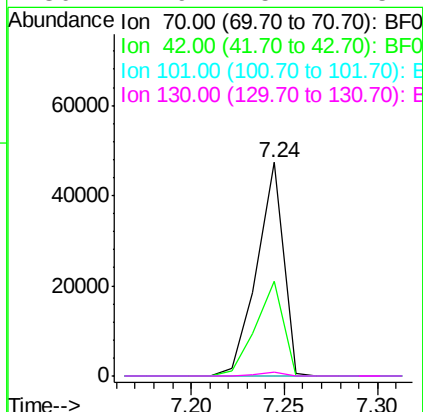
Ion Ratio Lower Upper

70 100

42 44.6 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF089041.D

Acq: 16 Jul 2016 5:03

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:136 Resp: 244963

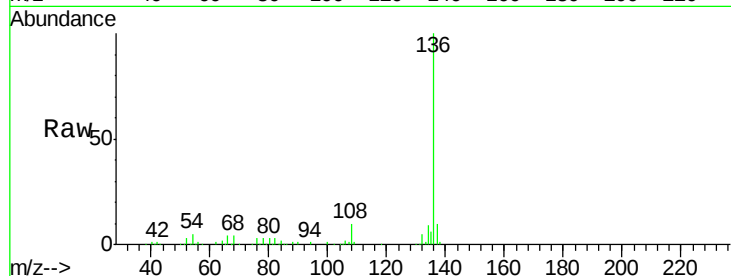
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 5.2 6.6 10.0#

68 4.3 5.1 7.7#

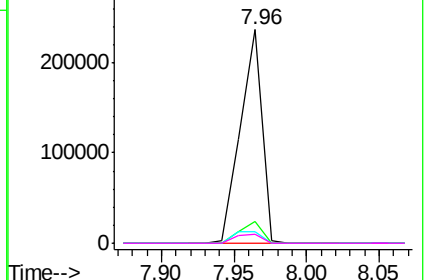
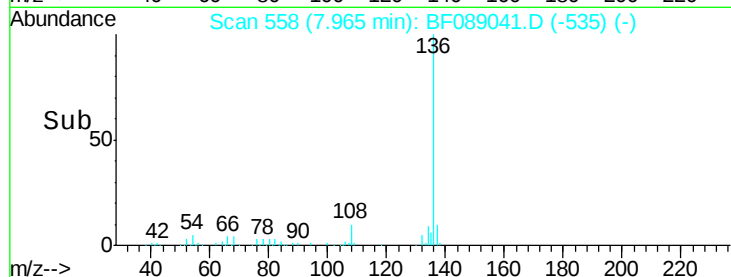


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.16 ng

RT: 7.24 min Scan# 495

Delta R.T. -0.03 min

Lab File: BF089041.D

Acq: 16 Jul 2016 5:03

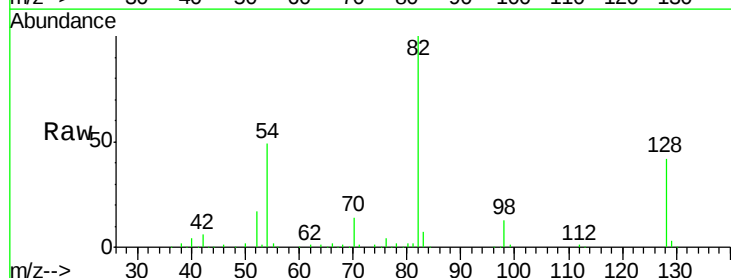
Tgt Ion: 82 Resp: 337295

Ion Ratio Lower Upper

82 100

128 41.7 35.9 53.9

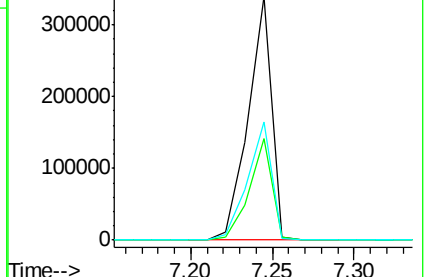
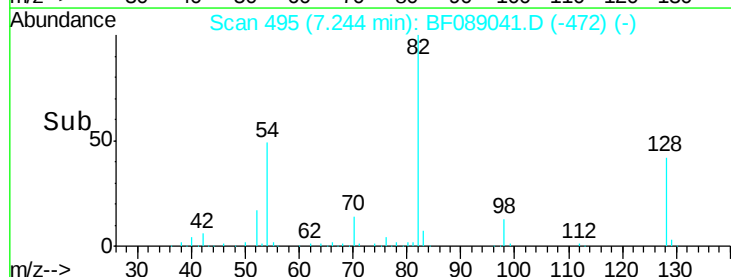
54 48.6 40.9 61.3

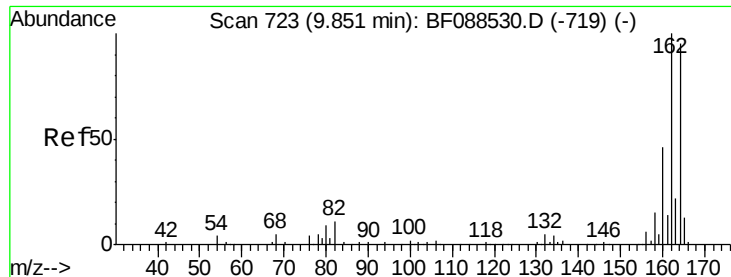


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

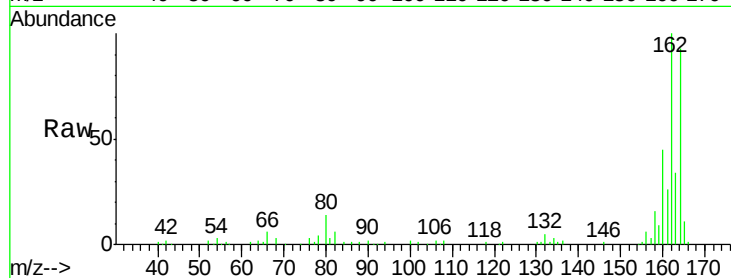




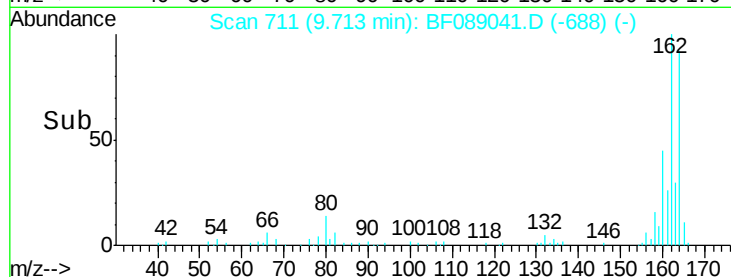
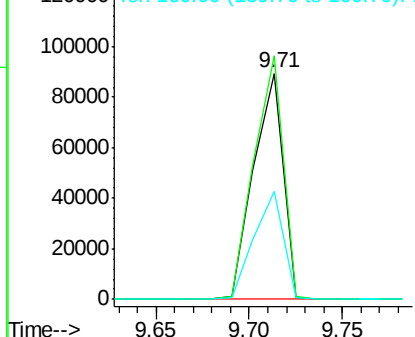
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF089041.D
 Acq: 16 Jul 2016 5:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tgt Ion:164 Resp: 97468
 Ion Ratio Lower Upper
 164 100
 162 107.7 85.4 128.2
 160 48.0 39.5 59.3

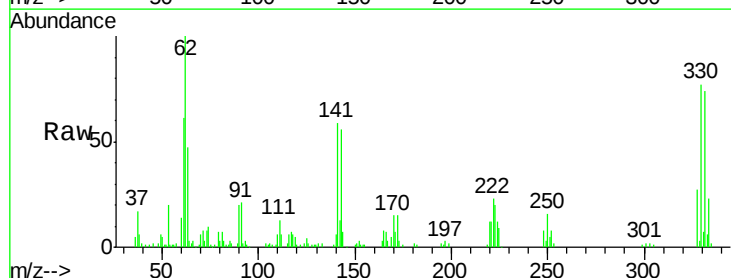


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

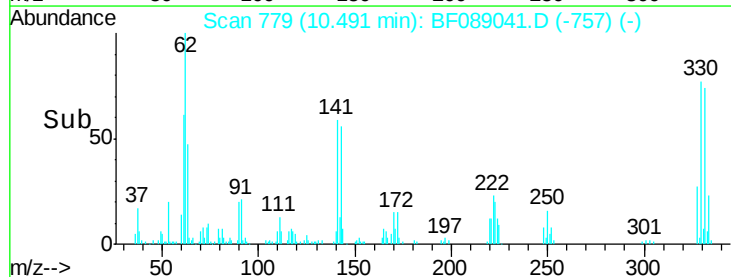
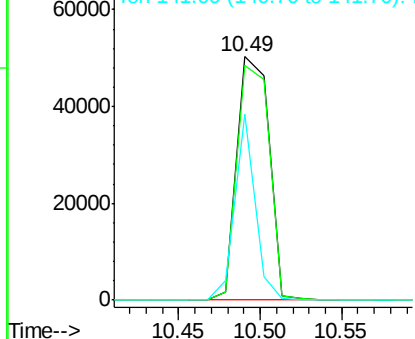


#41
 2,4,6-Tribromophenol
 Concen: 75.57 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089041.D
 Acq: 16 Jul 2016 5:03

Tgt Ion:330 Resp: 68397
 Ion Ratio Lower Upper
 330 100
 332 97.2 0.0 0.0#
 141 48.0 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

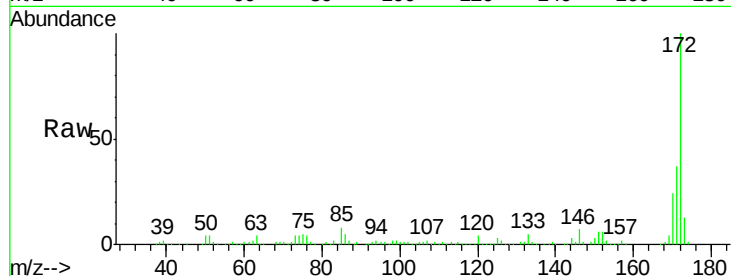




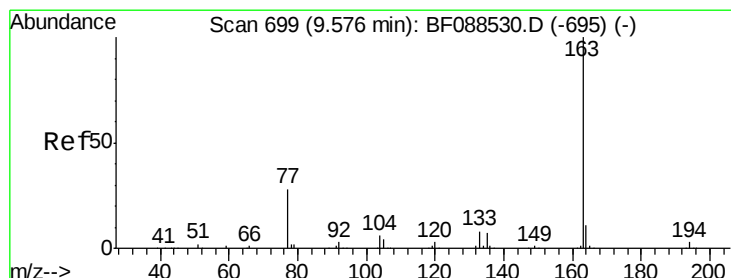
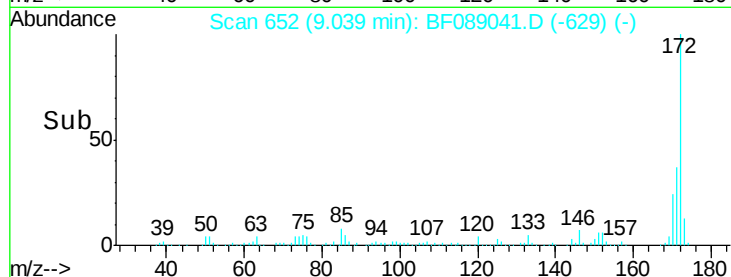
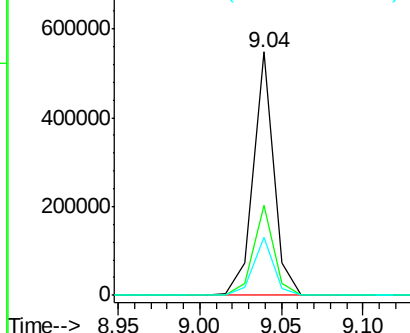
#44
 2-Fluorobiphenyl
 Concen: 77.65 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089041.D
 Acq: 16 Jul 2016 5:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tgt Ion:172 Resp: 479123
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.6 43.0
 170 23.7 19.2 28.8

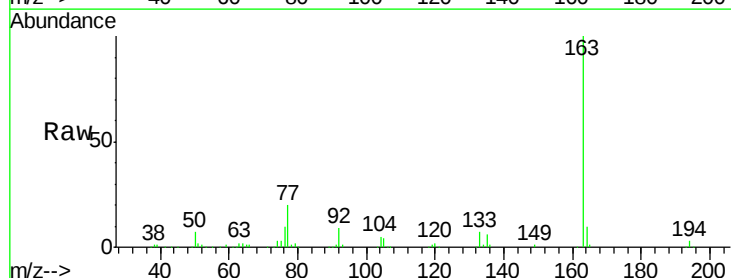


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

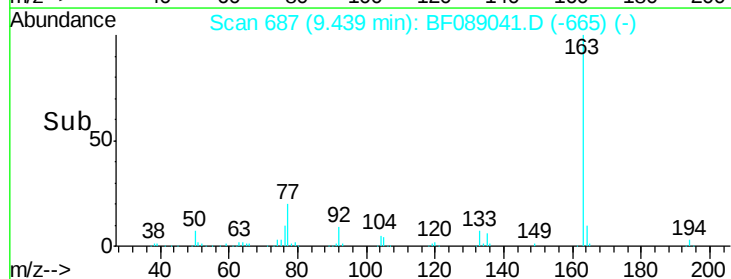
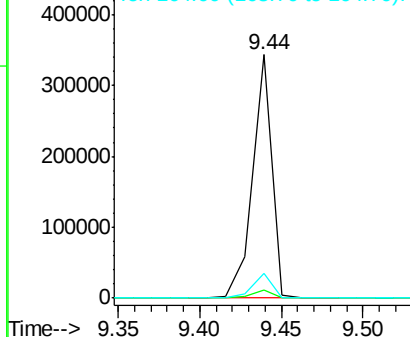


#49
 Dimethylphthalate
 Concen: 40.51 ng
 RT: 9.44 min Scan# 687
 Delta R.T. -0.05 min
 Lab File: BF089041.D
 Acq: 16 Jul 2016 5:03

Tgt Ion:163 Resp: 281331
 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

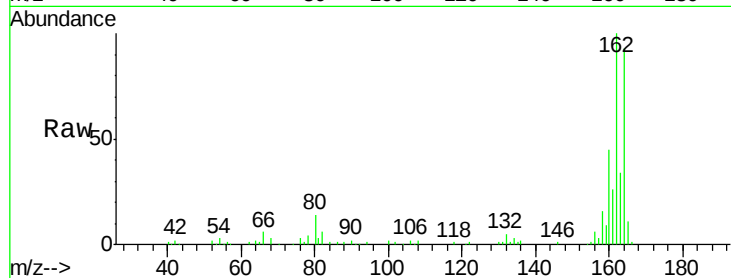




#56
2,4-Dinitrotoluene
Concen: 6.10 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.23 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:	165	Resp:	12265
Ion Ratio	Lower	Upper	
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

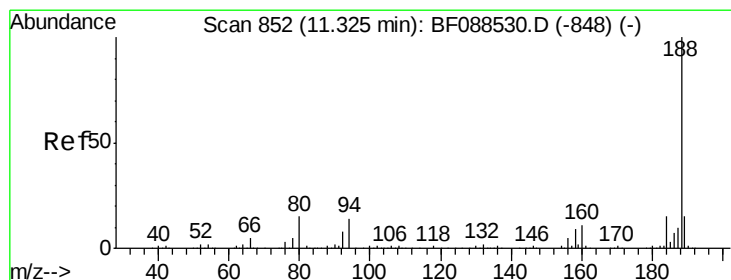
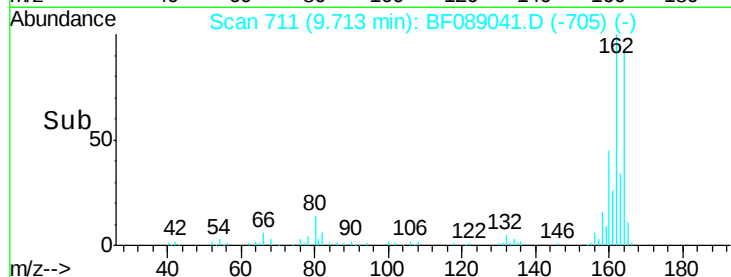
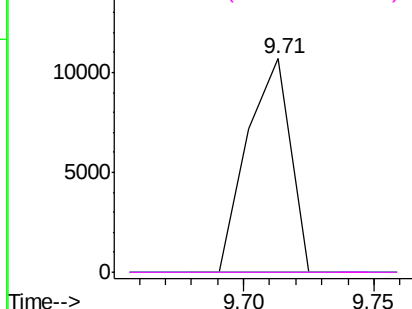


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

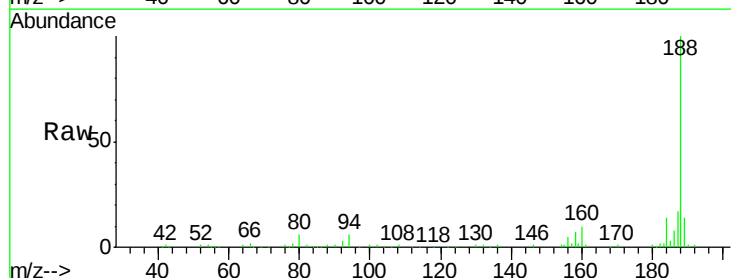
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

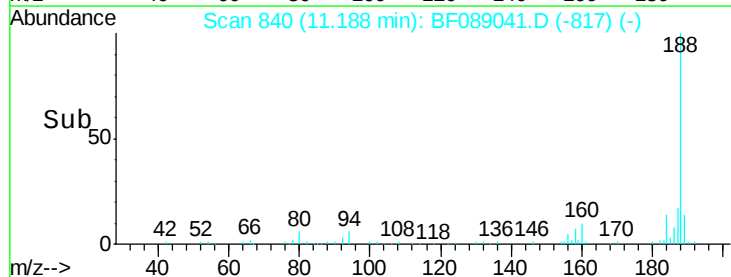
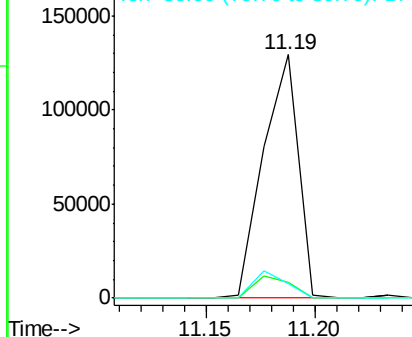
Tgt Ion:	188	Resp:	145930
Ion Ratio	Lower	Upper	
188	100		
94	6.3	9.0	13.6#
80	6.2	10.0	15.0#

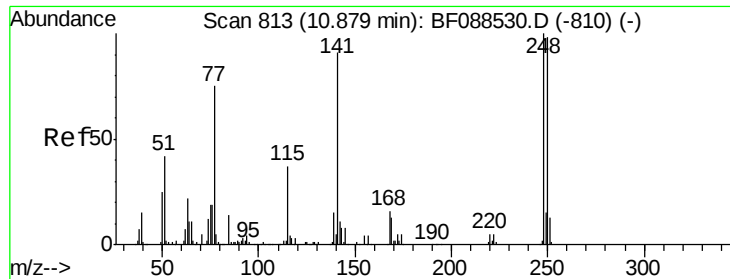


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

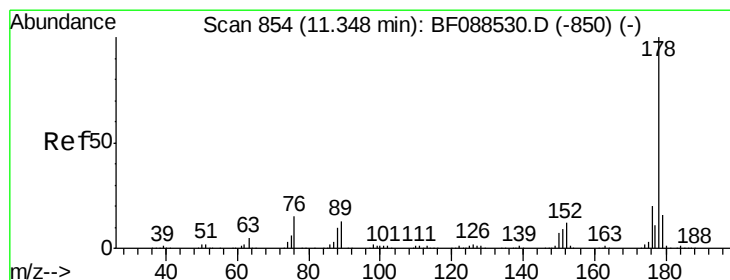
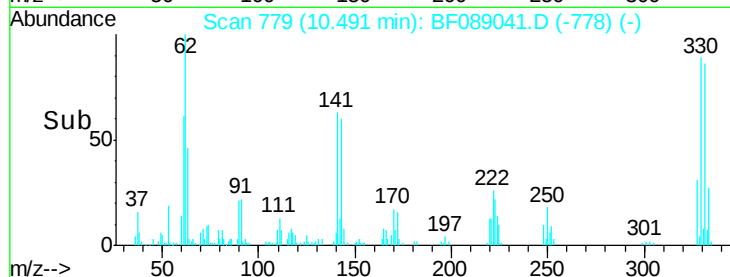
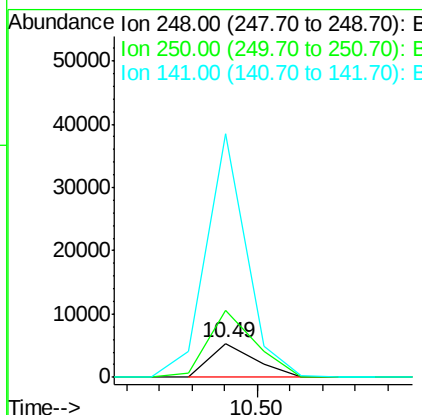
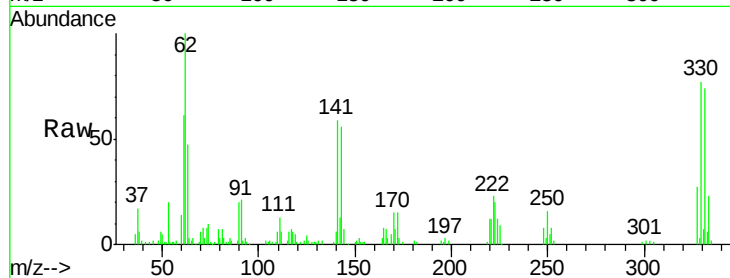




#66
 4-Bromophenyl-phenylether
 Concen: 3.45 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.29 min
 Lab File: BF089041.D
 Acq: 16 Jul 2016 5:03

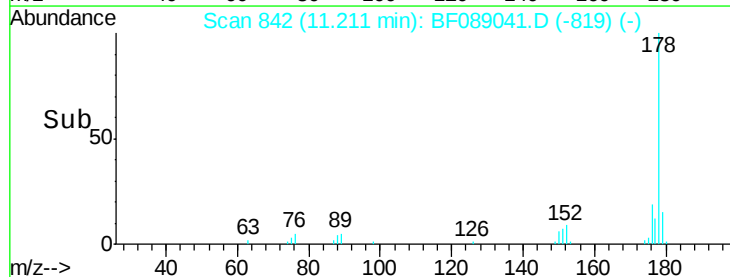
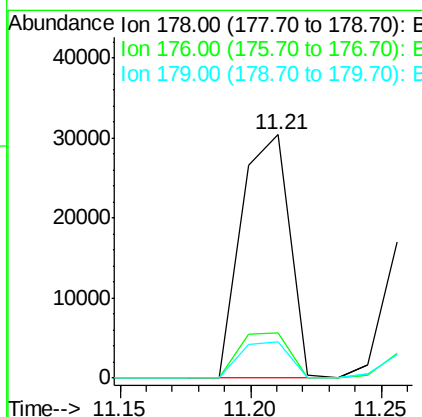
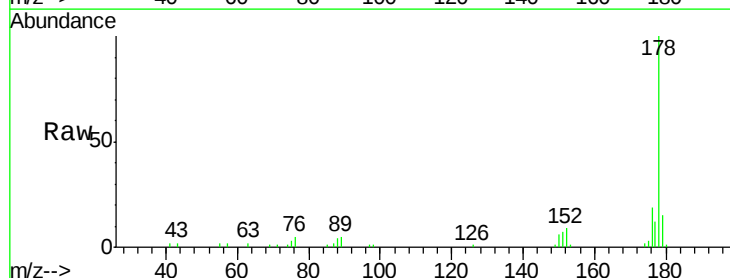
Instrument :
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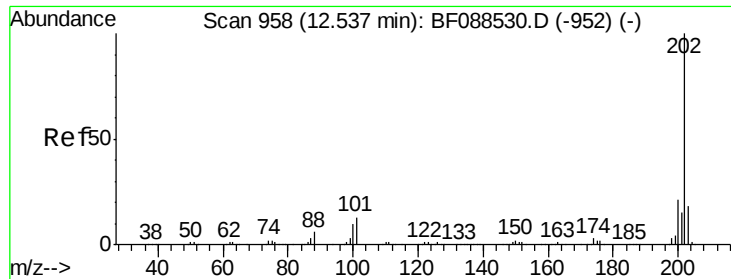
Tgt Ion:248 Resp: 5079
 Ion Ratio Lower Upper
 248 100
 250 198.8 77.1 115.7#
 141 716.7 50.6 76.0#



#70
 Phenanthrene
 Concen: 4.93 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.03 min
 Lab File: BF089041.D
 Acq: 16 Jul 2016 5:03

Tgt Ion:178 Resp: 39316
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.6
 179 15.1 13.0 19.4

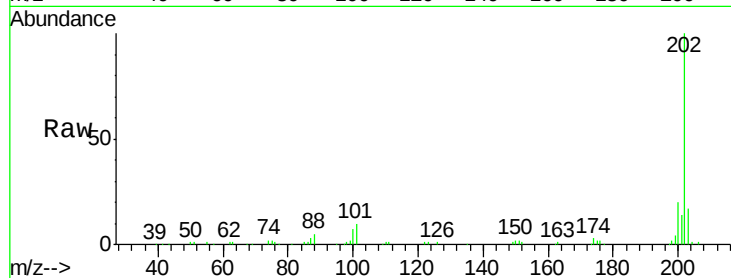




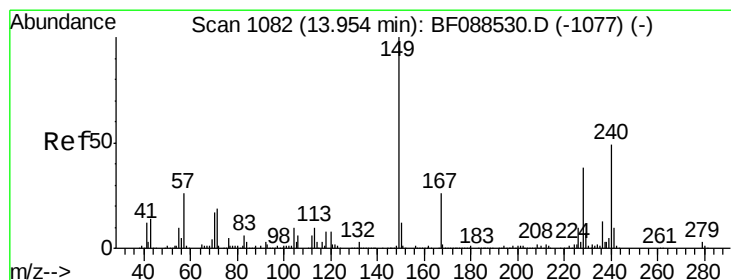
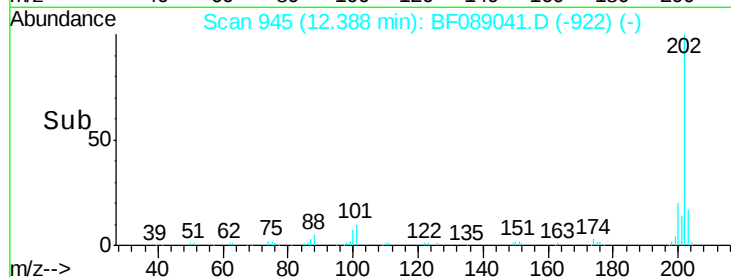
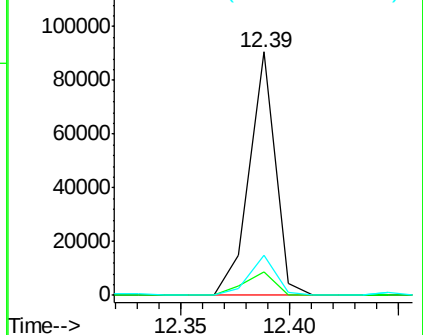
#74
Fluoranthene
 Concen: 9.34 ng
 RT: 12.39 min Scan# 945
 Delta R.T. -0.03 min
 Lab File: BF089041.D
 Acq: 16 Jul 2016 5:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	33.1
203	16.6	0.0	38.1

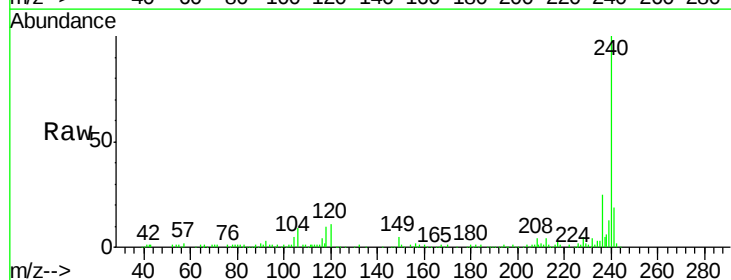


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

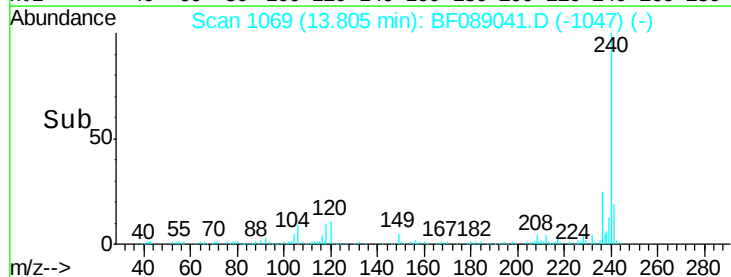
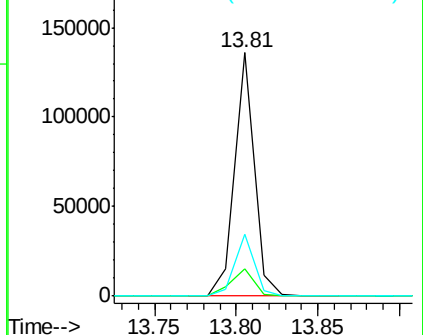


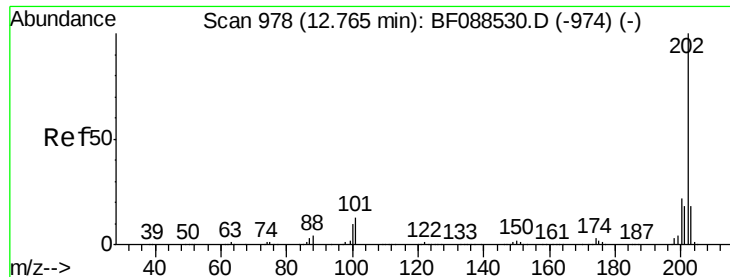
#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.05 min
 Lab File: BF089041.D
 Acq: 16 Jul 2016 5:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	6.8	10.2#
236	25.3	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

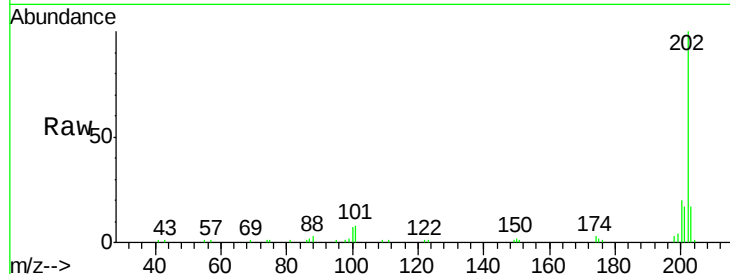




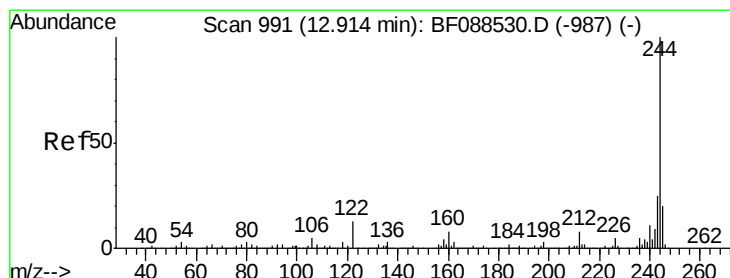
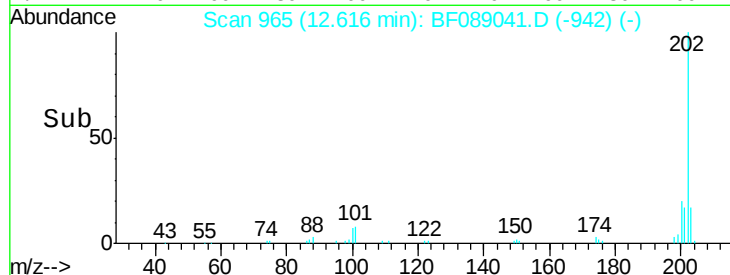
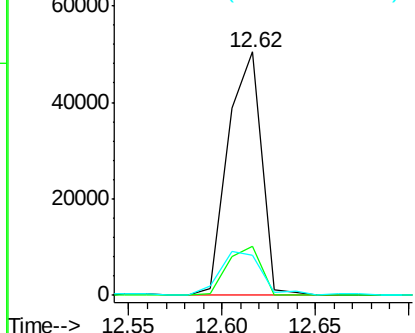
#77
 Pyrene
 Concen: 6.65 ng
 RT: 12.62 min Scan# 965
 Delta R.T. -0.03 min
 Lab File: BF089041.D
 Acq: 16 Jul 2016 5:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tgt Ion: 202 Resp: 63495
 Ion Ratio Lower Upper
 202 100
 200 20.0 17.4 26.2
 203 16.7 14.5 21.7

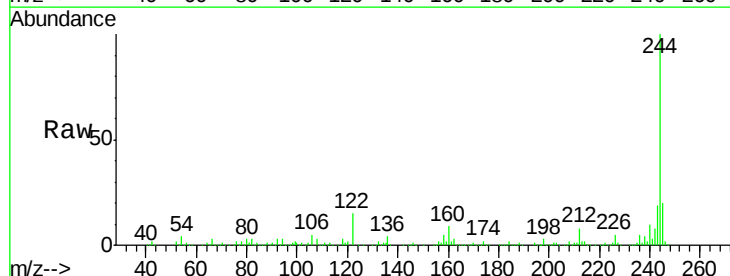


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

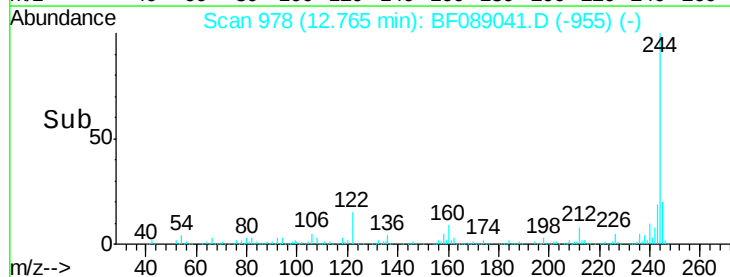
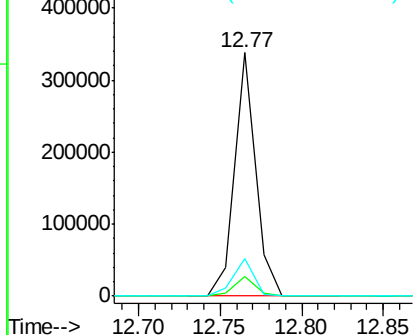


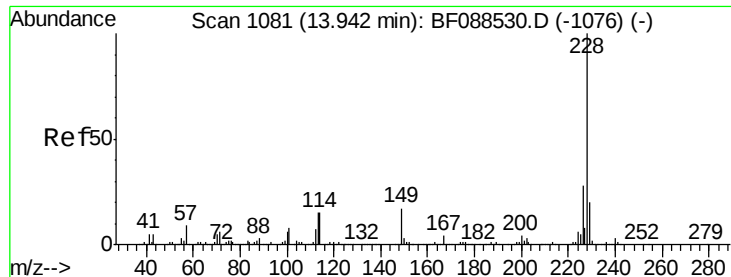
#78
 Terphenyl-d14
 Concen: 59.23 ng
 RT: 12.77 min Scan# 978
 Delta R.T. -0.03 min
 Lab File: BF089041.D
 Acq: 16 Jul 2016 5:03

Tgt Ion: 244 Resp: 299391
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.0 9.0
 122 15.2 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: 4.88 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089041.D

Acq: 16 Jul 2016 5:03

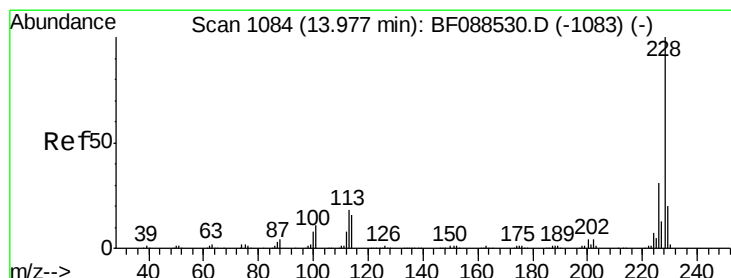
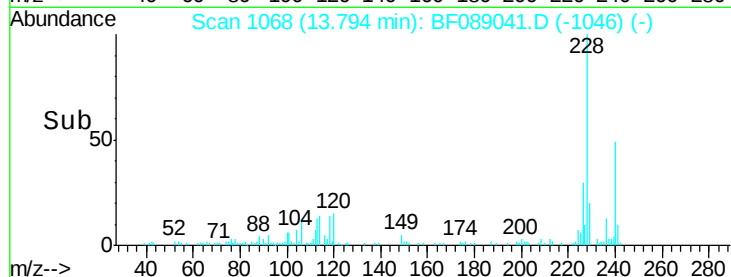
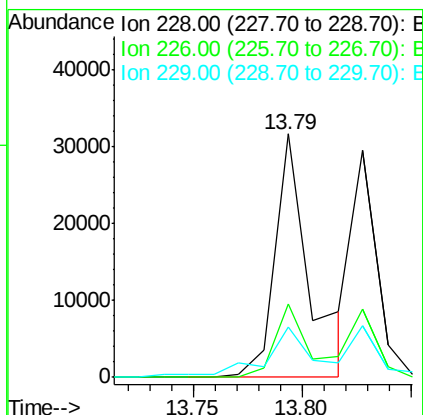
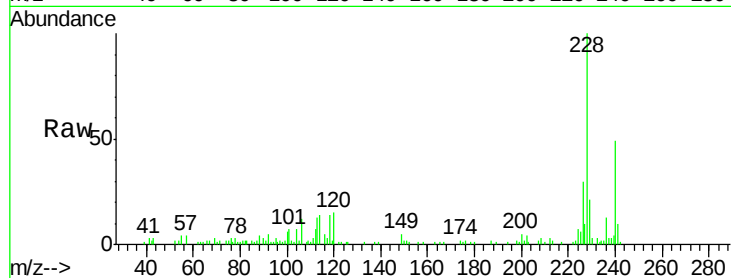
Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:	228	Resp:	35411
Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.3	33.5
229	20.8	16.0	24.0



#82

Chrysene

Concen: 4.94 ng

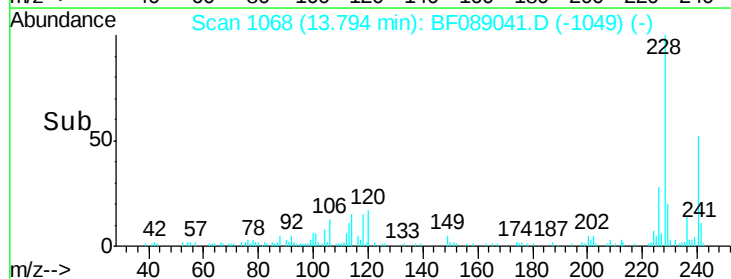
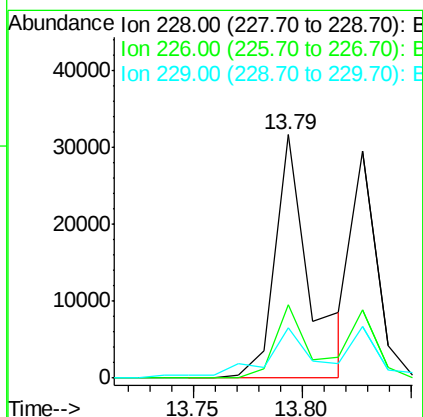
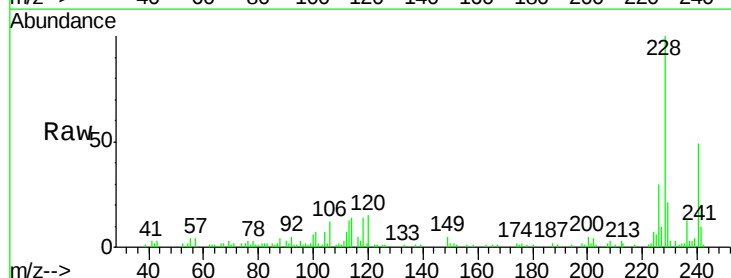
RT: 13.79 min Scan# 1068

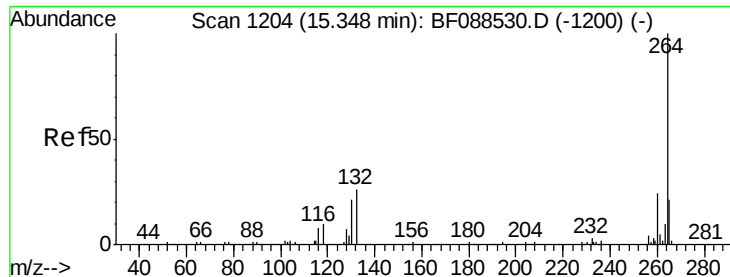
Delta R.T. -0.08 min

Lab File: BF089041.D

Acq: 16 Jul 2016 5:03

Tgt Ion:	228	Resp:	35411
Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.2
229	20.8	16.3	24.5



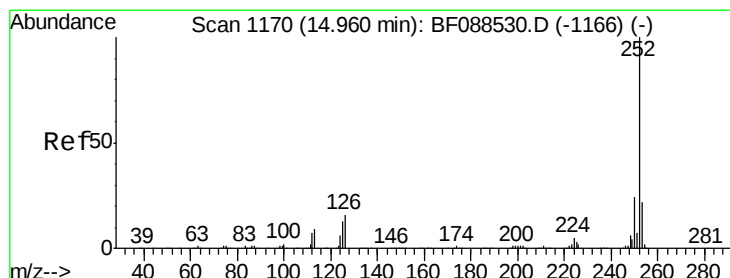
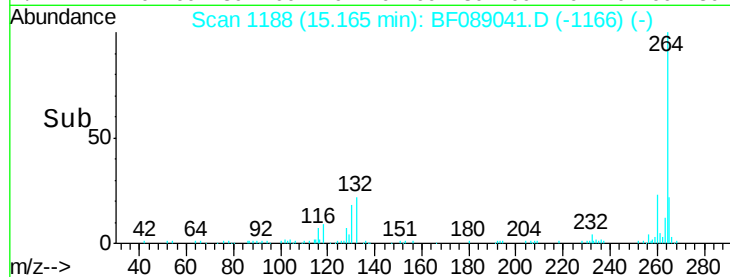
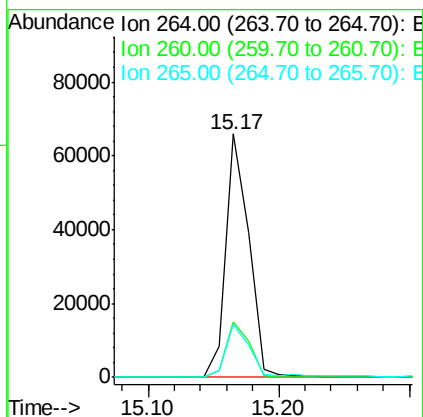
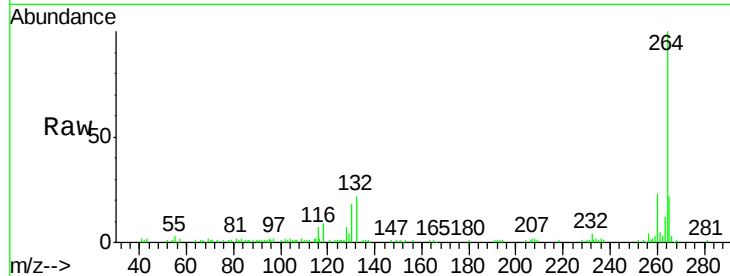


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1188
Delta R.T. -0.05 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion: 264 Resp: 80271

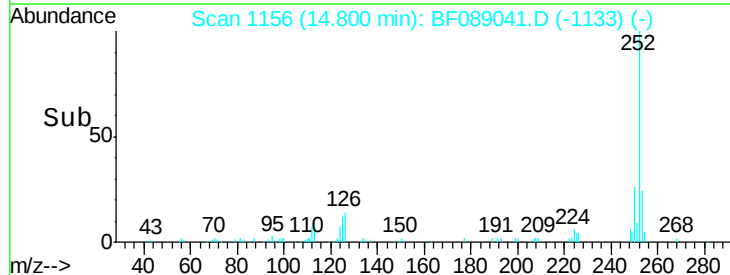
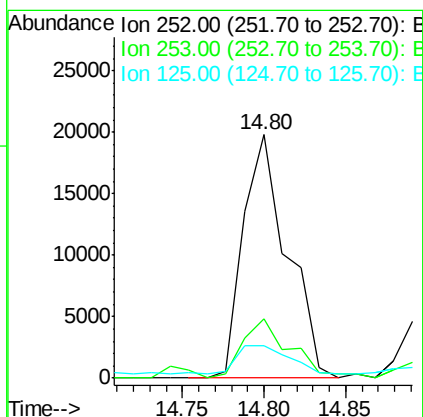
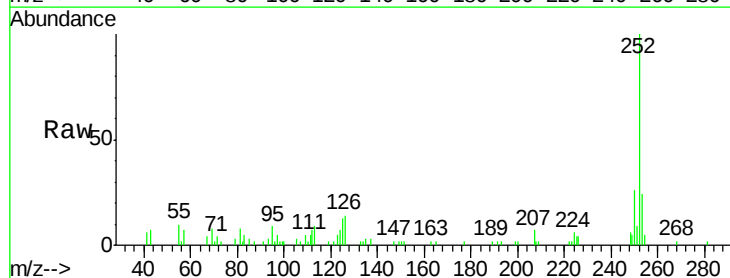
Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.9	16.9	25.3

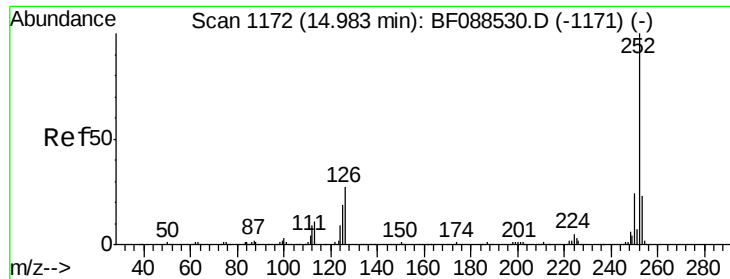


#87
Benzo(b)fluoranthene
Concen: 7.34 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Tgt Ion: 252 Resp: 36965

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.2
125	13.3	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 8.43 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF089041.D

Acq: 16 Jul 2016 5:03

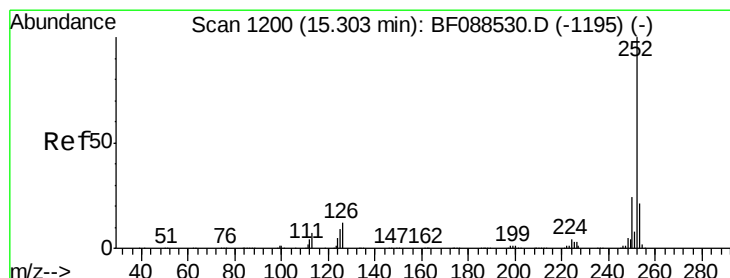
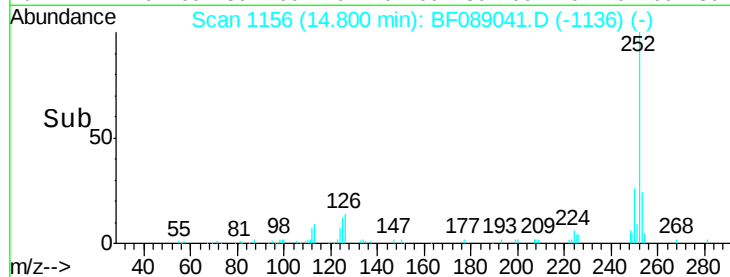
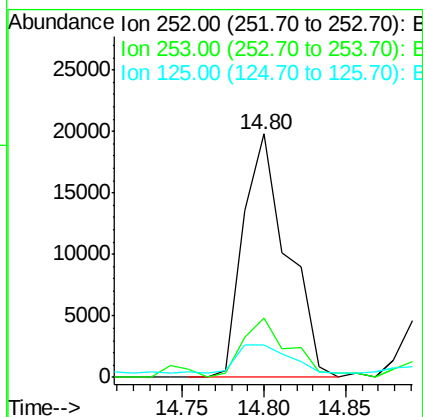
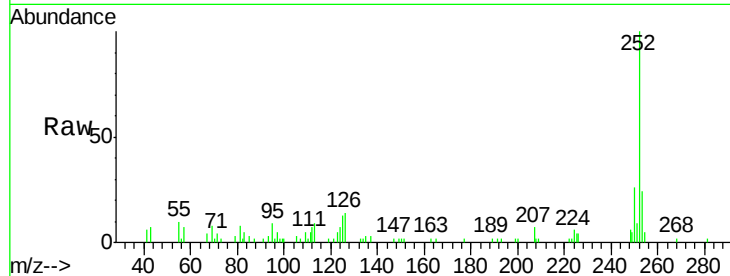
Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:	252	Resp:	36965
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.0	27.0
125	13.3	11.2	16.8



#89

Benzo(a)pyrene

Concen: 4.68 ng

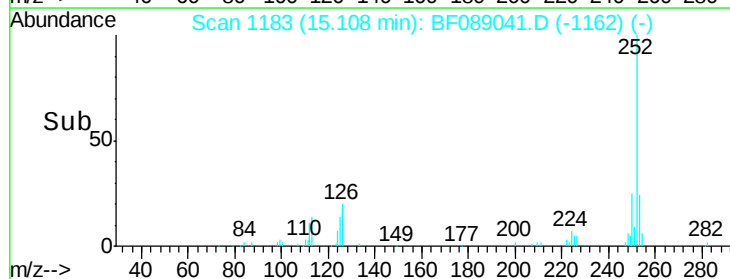
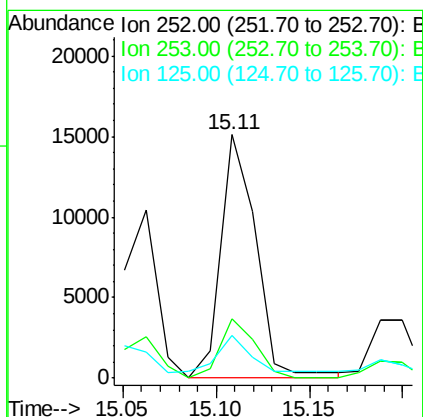
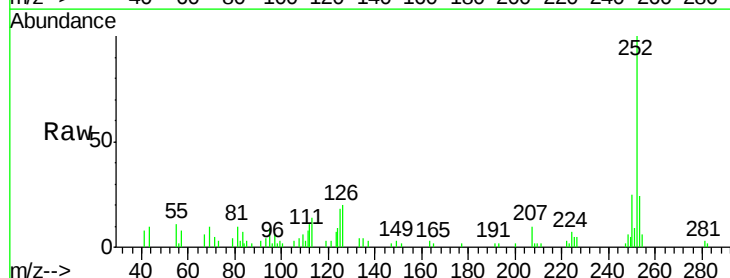
RT: 15.11 min Scan# 1183

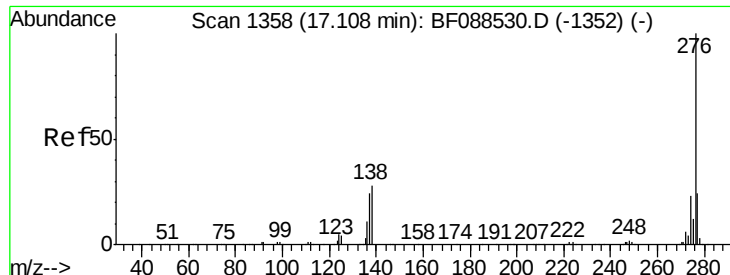
Delta R.T. -0.06 min

Lab File: BF089041.D

Acq: 16 Jul 2016 5:03

Tgt Ion:	252	Resp:	19963
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.9	26.9
125	17.7	12.5	18.7





#91

Benzo(g,h,i)perylene

Concen: 2.46 ng

RT: 16.81 min Scan# 1332

Delta R.T. -0.08 min

Lab File: BF089041.D

Acq: 16 Jul 2016 5:03

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

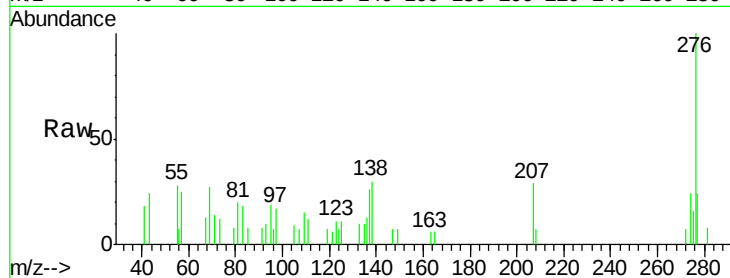
Tgt Ion: 276 Resp: 9074

Ion Ratio Lower Upper

276 100

277 23.7 18.9 28.3

138 29.8 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

