

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089093.D
 Acq On : 18 Jul 2016 20:41
 Operator : UM/SJ
 Sample : H4044-27 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H10-B1(0-6)C

Quant Time: Jul 19 03:16:41 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	6.64	152	53005	20.00	ng	-0.07
21) Naphthalene-d8	7.93	136	213850	20.00	ng	-0.07
38) Acenaphthene-d10	9.68	164	77713	20.00	ng	-0.07
63) Phenanthrene-d10	11.15	188	122331	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	106618	20.00	ng	-0.08
86) Perylene-d12	15.13	264	80888	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	170357	48.17	ng	-0.06
7) Phenol-d6	6.30	99	229716	50.27	ng	-0.06
23) Nitrobenzene-d5	7.21	82	133434	32.70	ng	-0.07
41) 2,4,6-Tribromophenol	10.46	330	24240	33.59	ng	-0.08
44) 2-Fluorobiphenyl	9.00	172	228992	46.54	ng	-0.07
78) Terphenyl-d14	12.73	244	142255	29.72	ng	-0.07

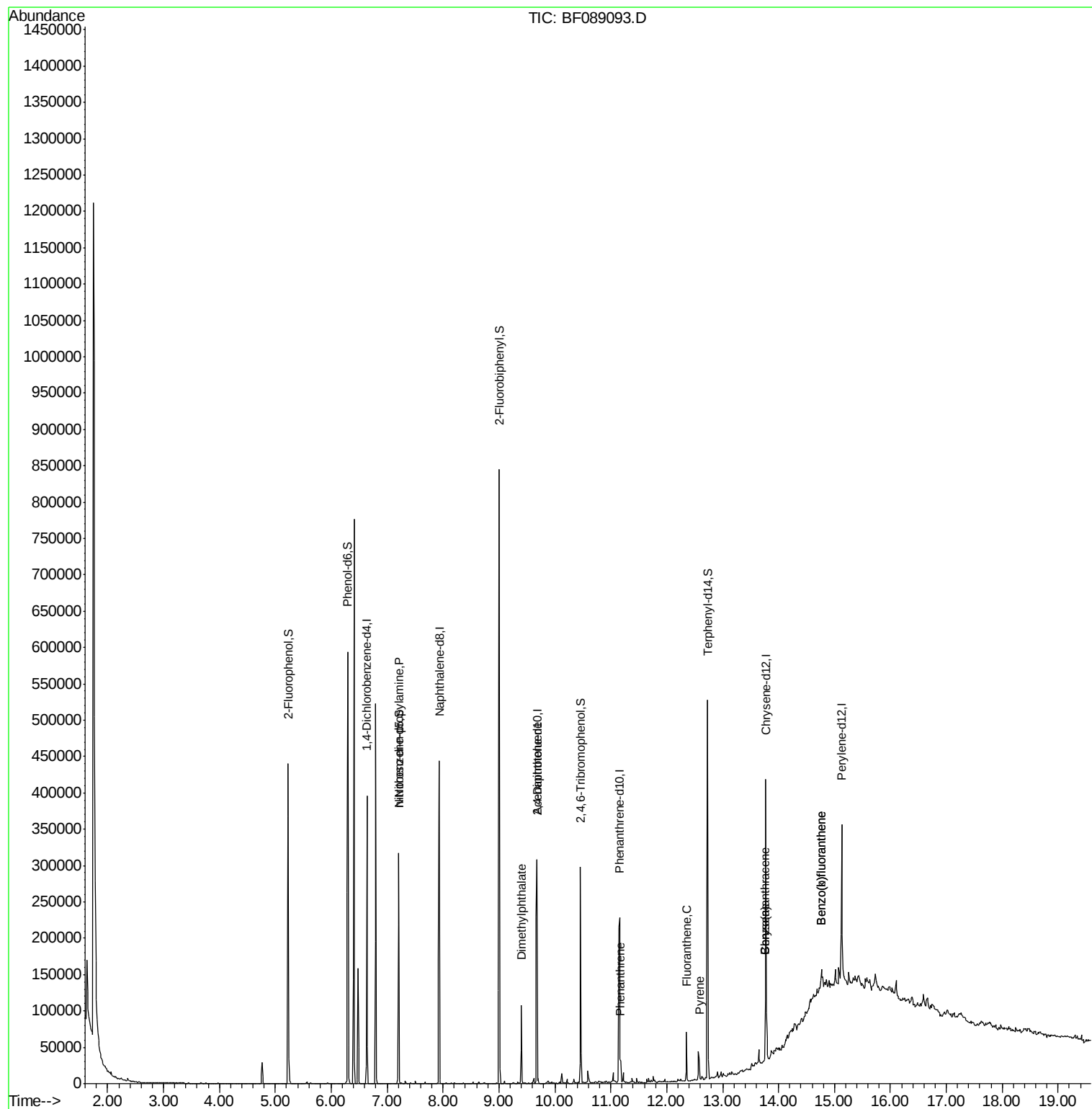
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.21	70	17977	5.86	ng	# 70
49) Dimethylphthalate	9.40	163	49461	8.93	ng	98
56) 2,4-Dinitrotoluene	9.68	165	9913	6.18	ng	# 36
70) Phenanthrene	11.18	178	18809	2.81	ng	97
74) Fluoranthene	12.35	202	26050	3.84	ng	95
77) Pyrene	12.58	202	20484	2.27	ng	98
80) Benzo(a)anthracene	13.76	228	13979	2.04	ng	95
82) Chrysene	13.76	228	13979	2.06	ng	97
87) Benzo(b)fluoranthene	14.77	252	15025	2.96	ng	# 80
88) Benzo(k)fluoranthene	14.77	252	15025	3.40	ng	# 85

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

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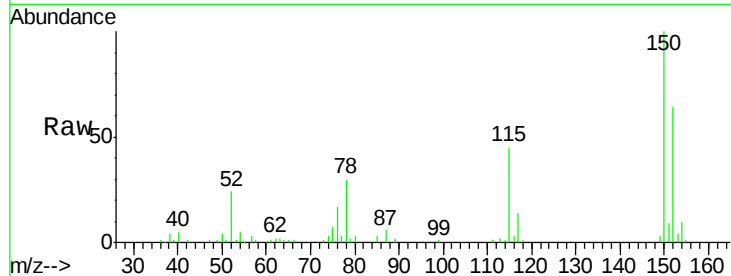


#1

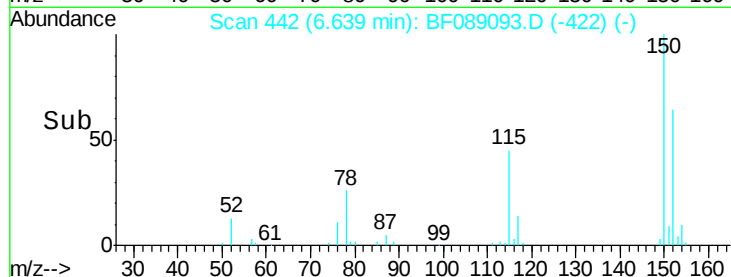
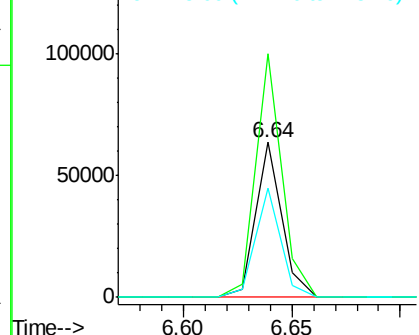
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. -0.07 min
Lab File: BF089093.D
Acq: 18 Jul 2016 20:41

Instrument :
BNA_F
ClientSampleId :
H10-B1(0-6)C

Tgt Ion:152 Resp: 53005
Ion Ratio Lower Upper
152 100
150 156.8 123.8 185.6
115 70.5 39.6 59.4#



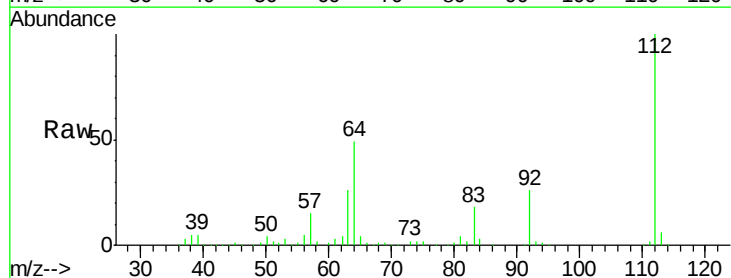
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



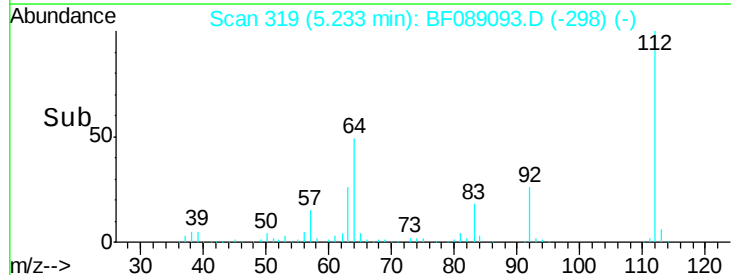
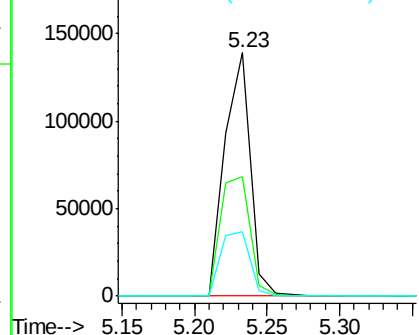
#5

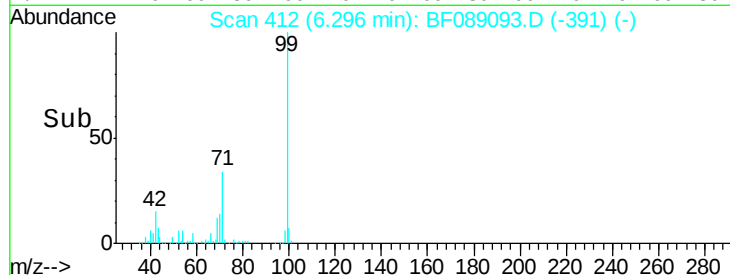
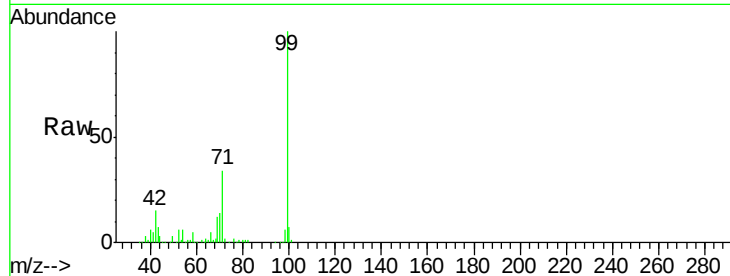
2-Fluorophenol
Concen: 48.17 ng
RT: 5.23 min Scan# 319
Delta R.T. -0.06 min
Lab File: BF089093.D
Acq: 18 Jul 2016 20:41

Tgt Ion:112 Resp: 170357
Ion Ratio Lower Upper
112 100
64 49.3 42.2 63.2
63 26.5 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: 50.27 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF089093.D

Acq: 18 Jul 2016 20:41

Instrument :

BNA_F

ClientSampleId :

H10-B1(0-6)C

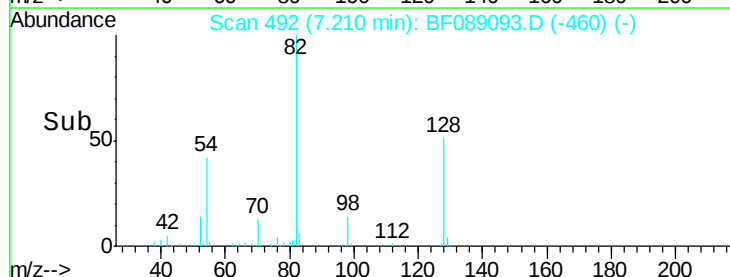
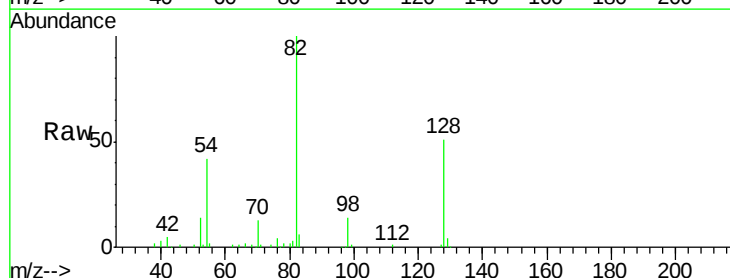
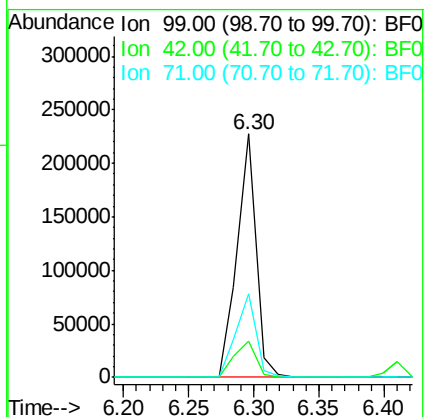
Tgt Ion: 99 Resp: 229716

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

71 34.4 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.86 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.07 min

Lab File: BF089093.D

Acq: 18 Jul 2016 20:41

Tgt Ion: 70 Resp: 17977

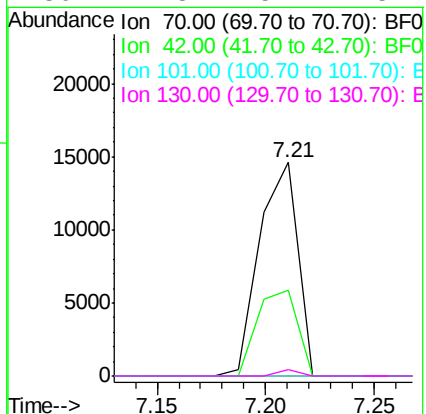
Ion Ratio Lower Upper

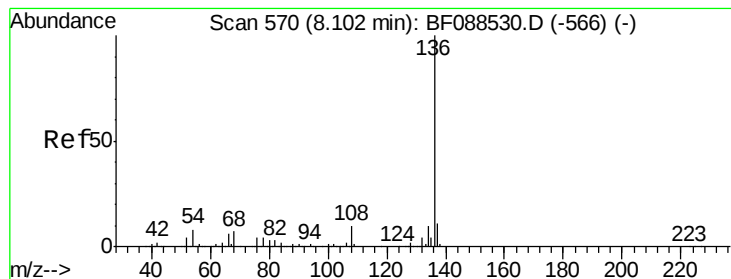
70 100

42 40.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.8 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.07 min

Lab File: BF089093.D

Acq: 18 Jul 2016 20:41

Instrument :

BNA_F

ClientSampleId :

H10-B1(0-6)C

Tgt Ion:136 Resp: 213850

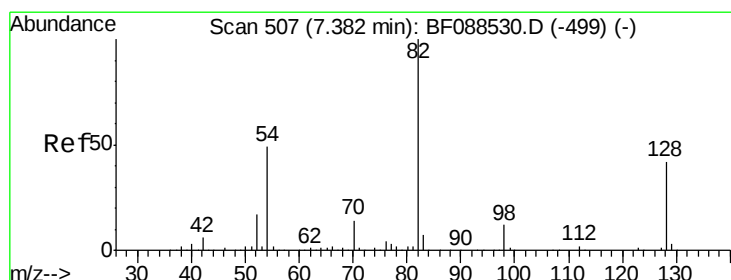
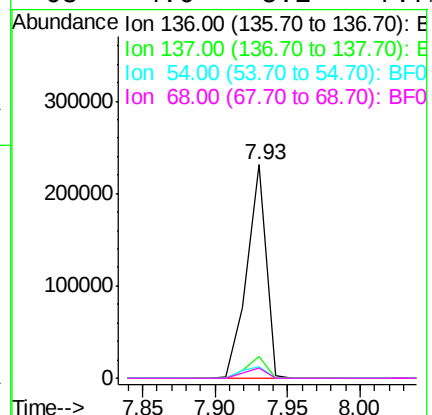
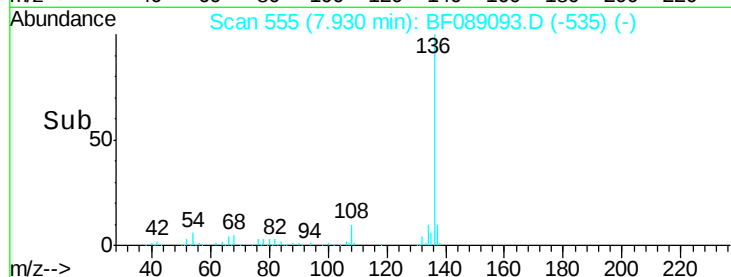
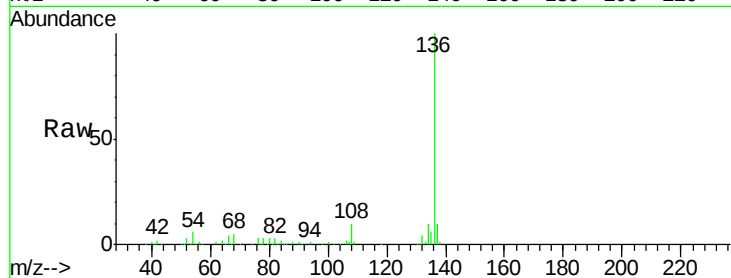
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 5.5 6.6 10.0#

68 4.6 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 32.70 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.07 min

Lab File: BF089093.D

Acq: 18 Jul 2016 20:41

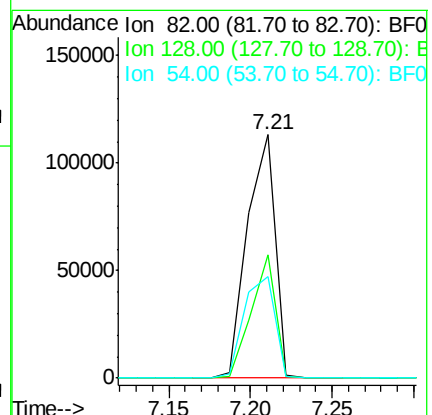
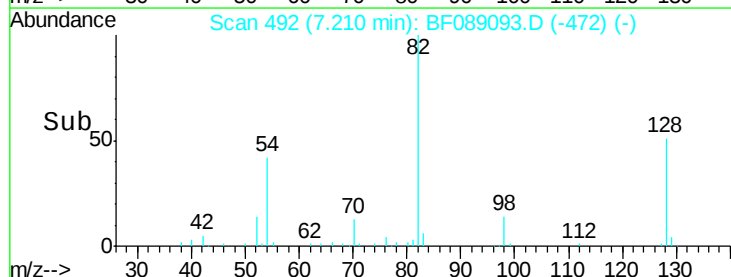
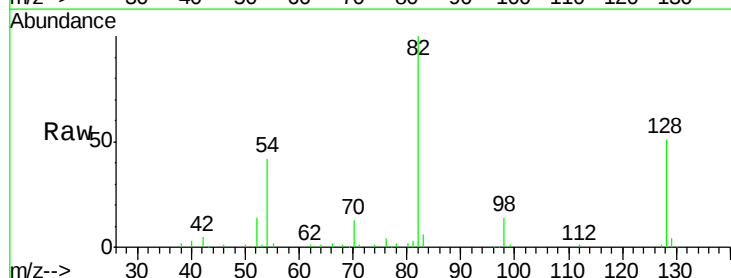
Tgt Ion: 82 Resp: 133434

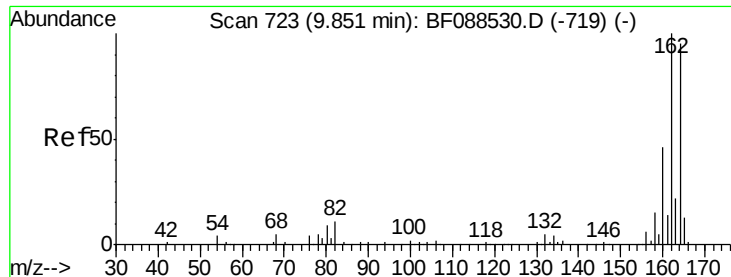
Ion Ratio Lower Upper

82 100

128 50.5 35.9 53.9

54 41.6 40.9 61.3

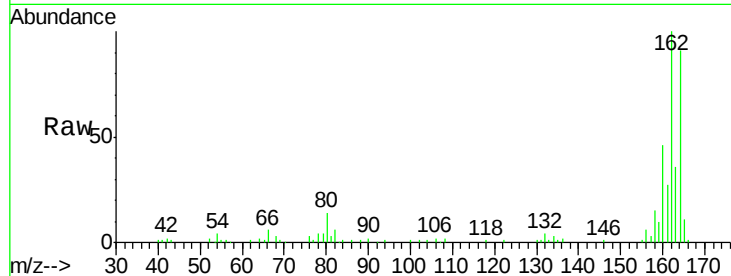




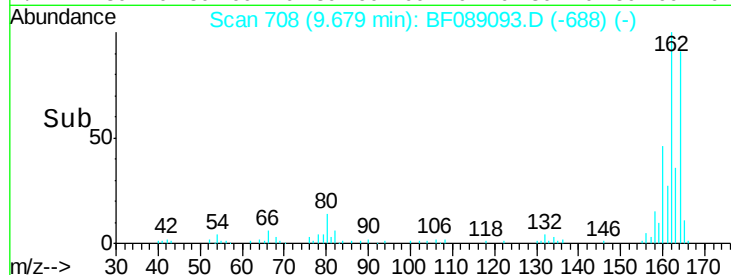
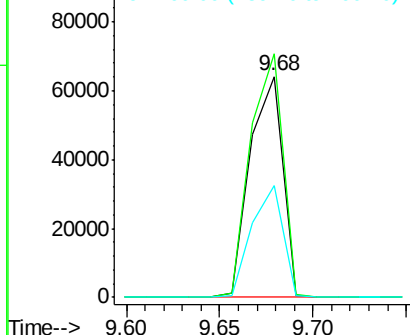
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.07 min
 Lab File: BF089093.D
 Acq: 18 Jul 2016 20:41

Instrument :
 BNA_F
 ClientSampleId :
 H10-B1(0-6)C

Tgt Ion:164 Resp: 77713
 Ion Ratio Lower Upper
 164 100
 162 110.3 85.4 128.2
 160 50.6 39.5 59.3

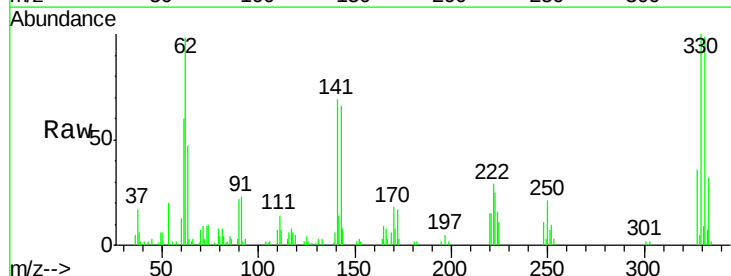


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

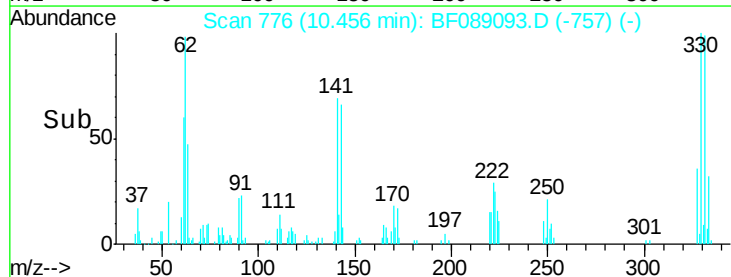
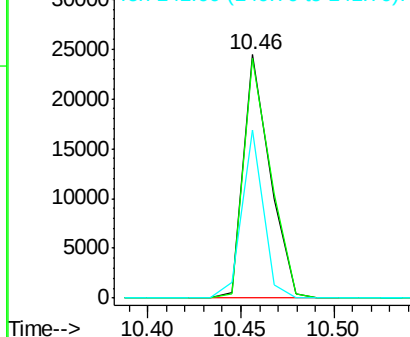


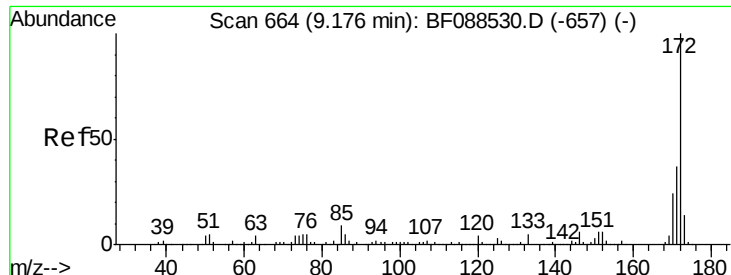
#41
 2,4,6-Tribromophenol
 Concen: 33.59 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.08 min
 Lab File: BF089093.D
 Acq: 18 Jul 2016 20:41

Tgt Ion:330 Resp: 24240
 Ion Ratio Lower Upper
 330 100
 332 100.0 0.0 0.0#
 141 55.6 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

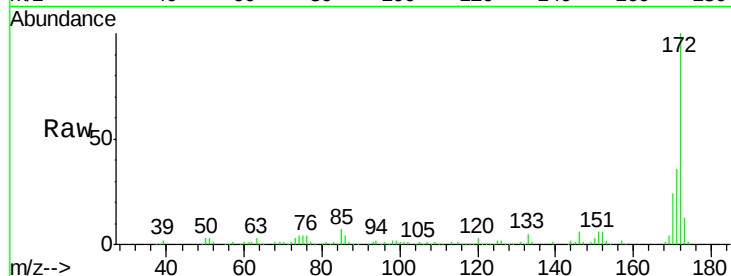




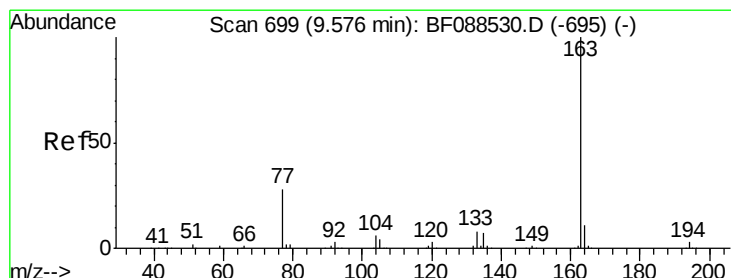
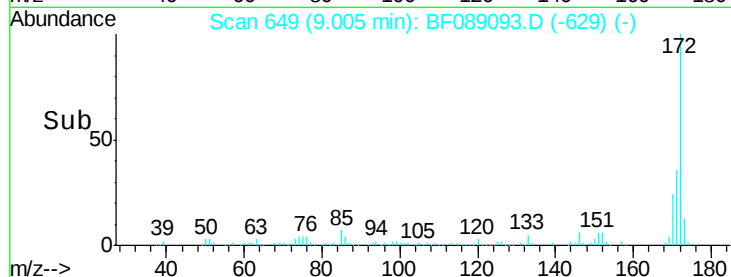
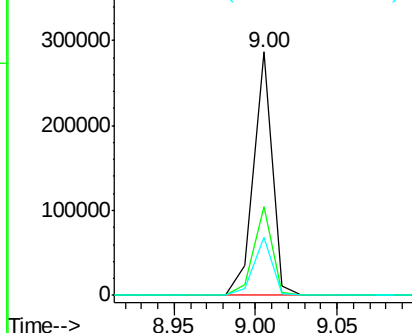
#44
2-Fluorobiphenyl
Concen: 46.54 ng
RT: 9.00 min Scan# 649
Delta R.T. -0.07 min
Lab File: BF089093.D
Acq: 18 Jul 2016 20:41

Instrument :
BNA_F
ClientSampleId :
H10-B1(0-6)C

Tgt Ion:172 Resp: 228992
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 23.8 19.2 28.8

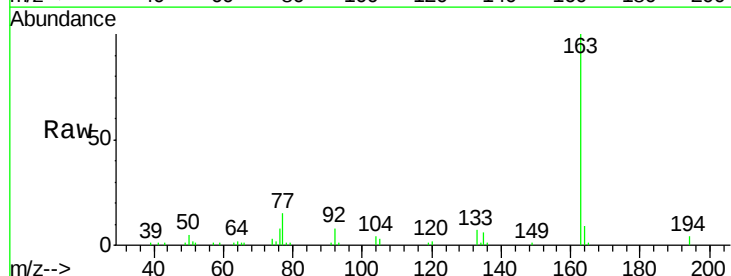


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

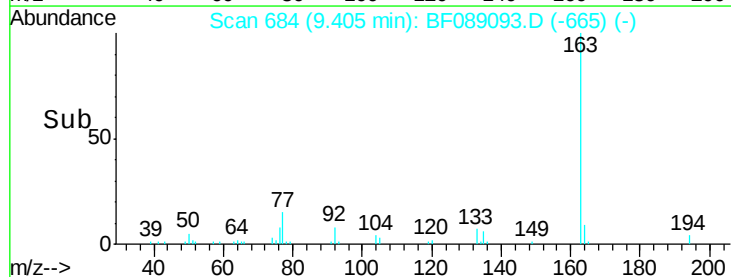
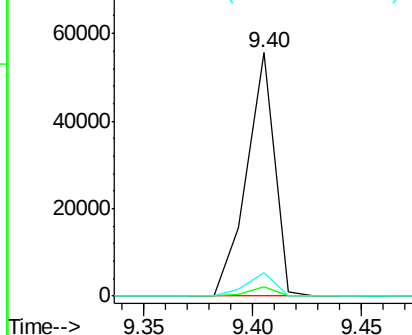


#49
Dimethylphthalate
Concen: 8.93 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.08 min
Lab File: BF089093.D
Acq: 18 Jul 2016 20:41

Tgt Ion:163 Resp: 49461
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 9.5 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

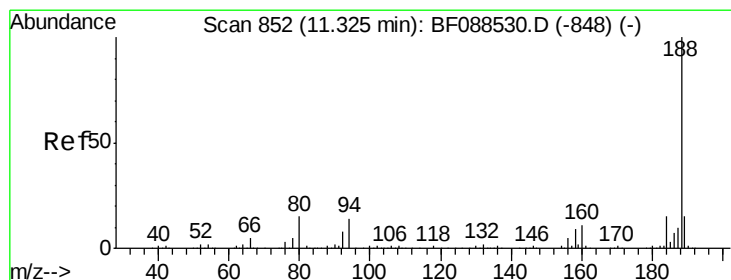
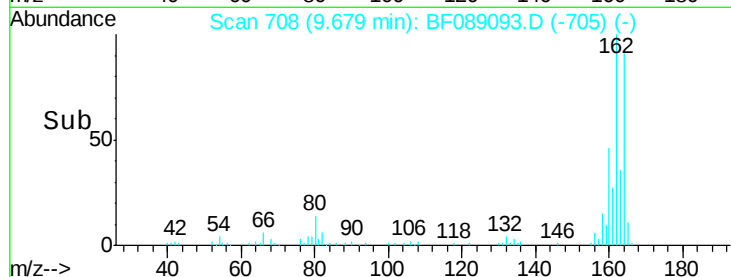
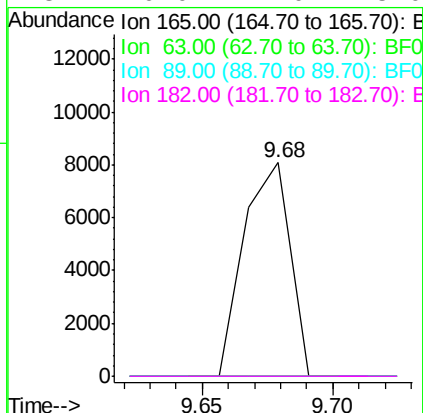
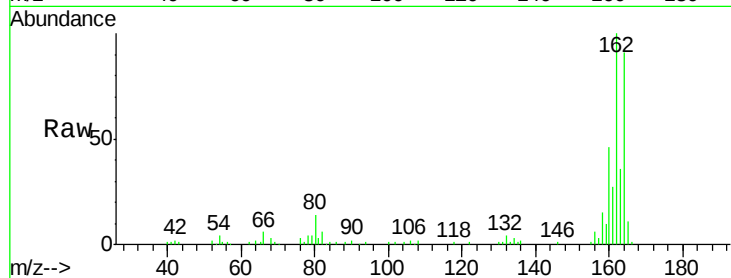




#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.26 min
 Lab File: BF089093.D
 Acq: 18 Jul 2016 20:41

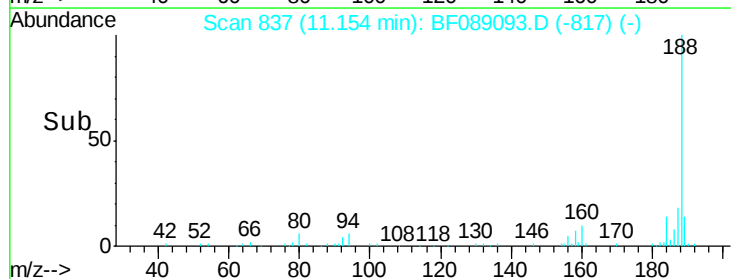
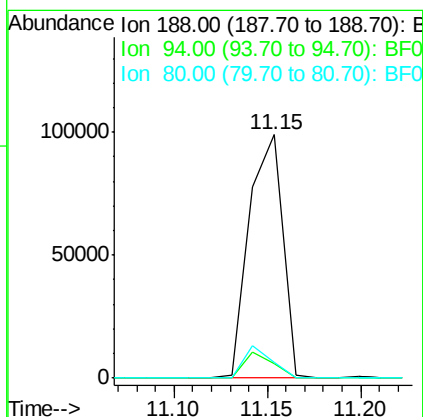
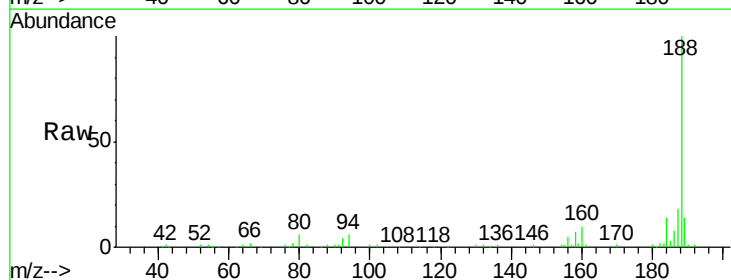
Instrument :
 BNA_F
 ClientSampleId :
 H10-B1(0-6)C

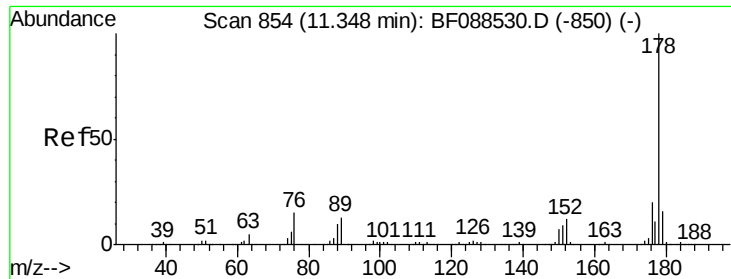
Tgt Ion:	165	Resp:	9913
Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.07 min
 Lab File: BF089093.D
 Acq: 18 Jul 2016 20:41

Tgt Ion:	188	Resp:	122331
Ion	Ratio	Lower	Upper
188	100		
94	6.0	9.0	13.6#
80	6.4	10.0	15.0#

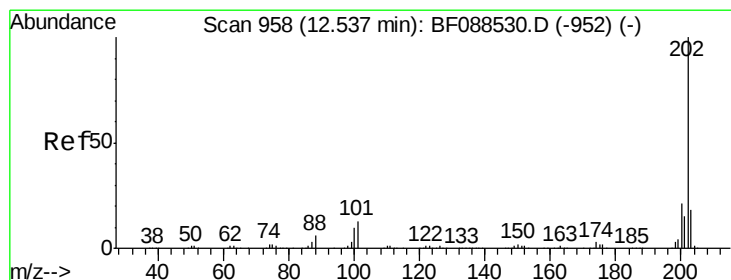
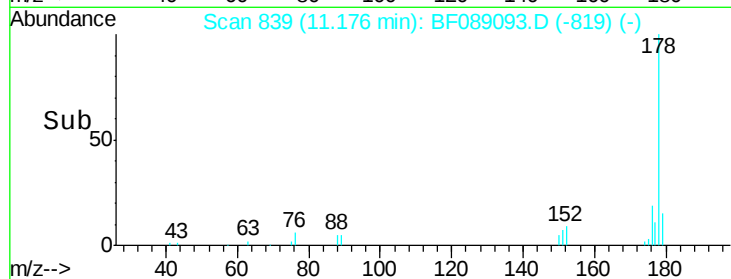
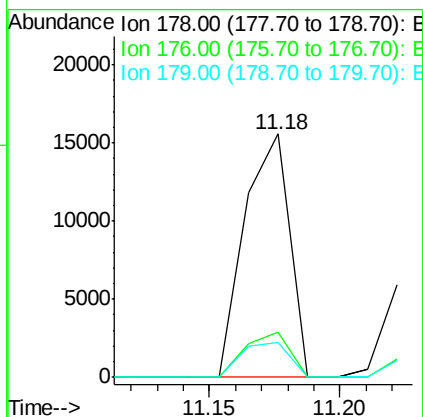
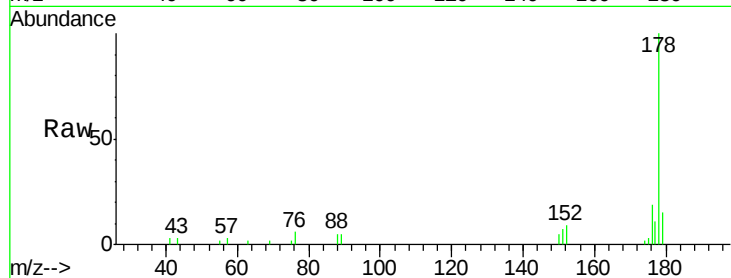




#70
Phenanthrene
Concen: 2.81 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.07 min
Lab File: BF089093.D
Acq: 18 Jul 2016 20:41

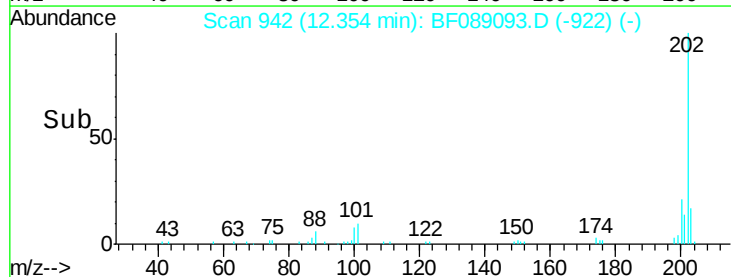
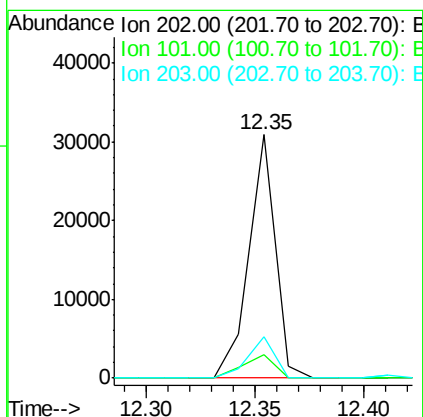
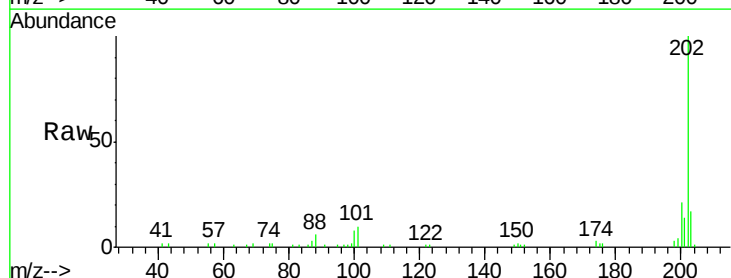
Instrument :
BNA_F
ClientSampleId :
H10-B1(0-6)C

Tgt Ion:178 Resp: 18809
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 14.6 13.0 19.4



#74
Fluoranthene
Concen: 3.84 ng
RT: 12.35 min Scan# 942
Delta R.T. -0.07 min
Lab File: BF089093.D
Acq: 18 Jul 2016 20:41

Tgt Ion:202 Resp: 26050
Ion Ratio Lower Upper
202 100
101 9.6 0.0 33.1
203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.08 min

Lab File: BF089093.D

Acq: 18 Jul 2016 20:41

Instrument :

BNA_F

ClientSampleId :

H10-B1(0-6)C

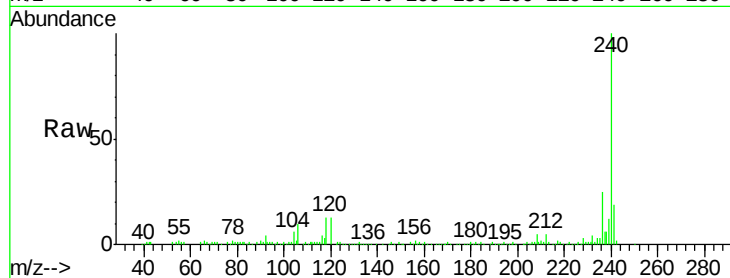
Tgt Ion:240 Resp: 106618

Ion Ratio Lower Upper

240 100

120 13.3 6.8 10.2#

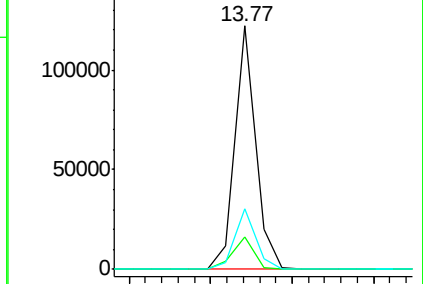
236 24.9 20.2 30.2



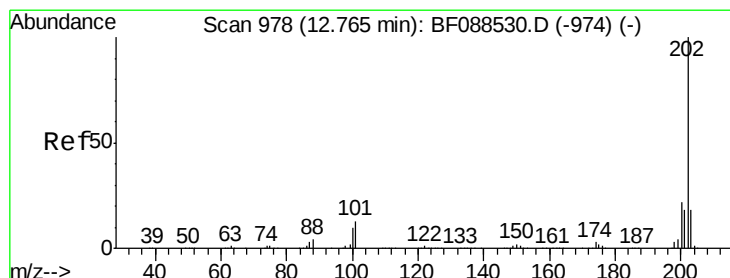
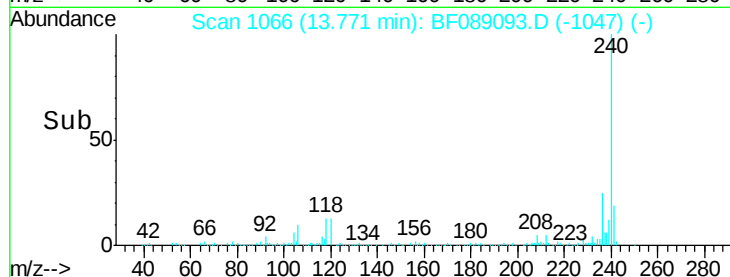
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.70 13.75 13.80 13.85



#77

Pyrene

Concen: 2.27 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.07 min

Lab File: BF089093.D

Acq: 18 Jul 2016 20:41

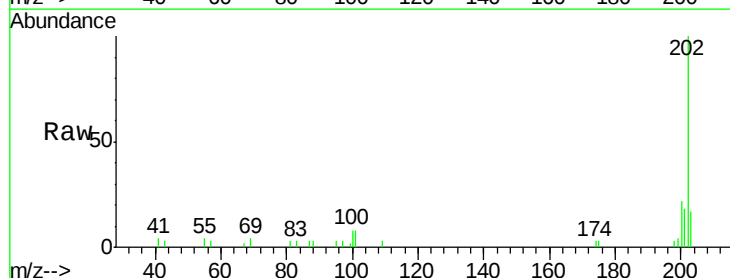
Tgt Ion:202 Resp: 20484

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

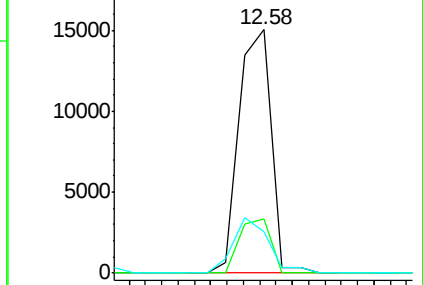
203 16.9 14.5 21.7



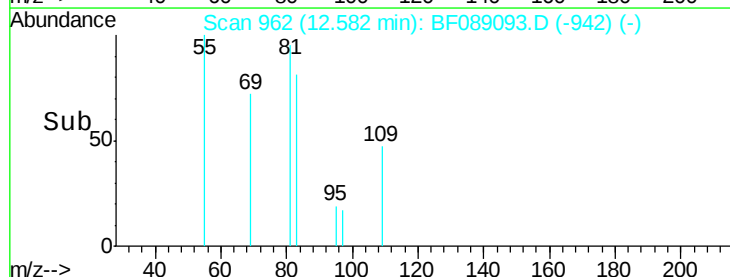
Abundance Ion 202.00 (201.70 to 202.70): E

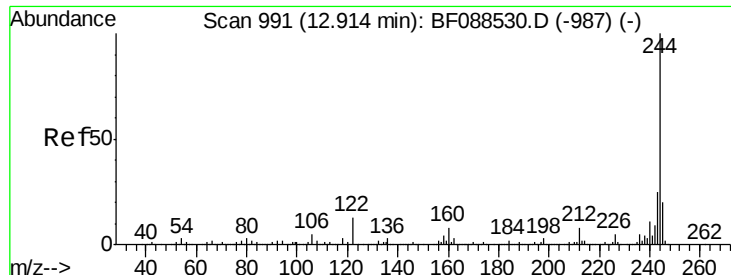
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.50 12.55 12.60 12.65





#78

Terphenyl-d14

Concen: 29.72 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.07 min

Lab File: BF089093.D

Acq: 18 Jul 2016 20:41

Instrument :

BNA_F

ClientSampleId :

H10-B1(0-6)C

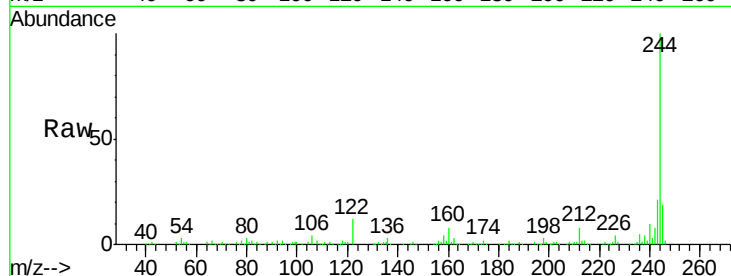
Tgt Ion:244 Resp: 142255

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

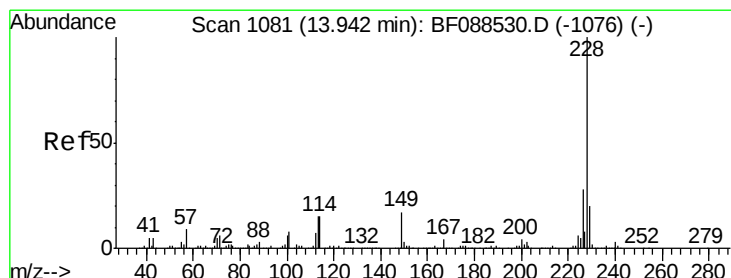
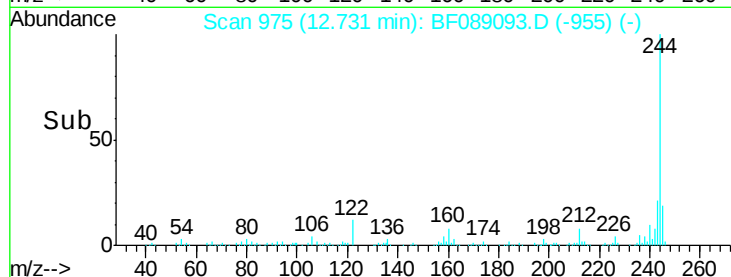
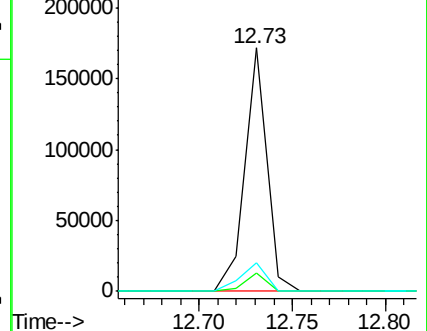
122 11.8 11.2 16.8



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: 2.04 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF089093.D

Acq: 18 Jul 2016 20:41

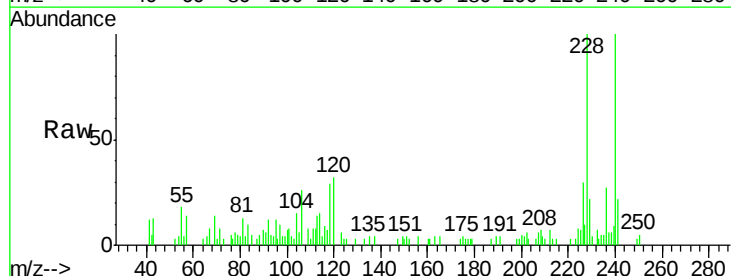
Tgt Ion:228 Resp: 13979

Ion Ratio Lower Upper

228 100

226 30.5 22.3 33.5

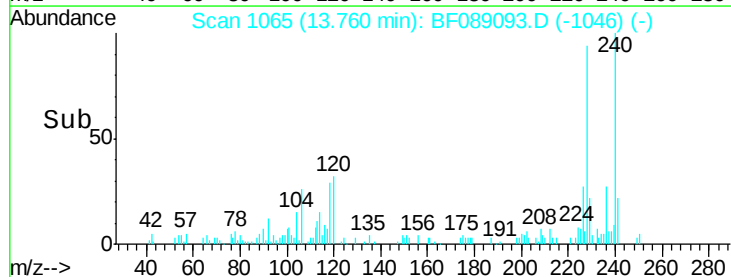
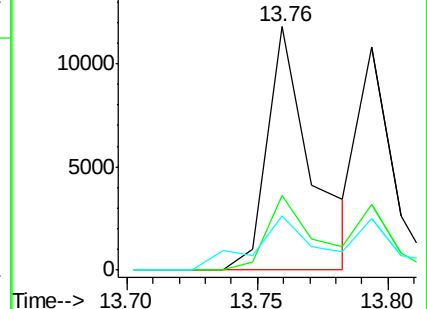
229 22.3 16.0 24.0

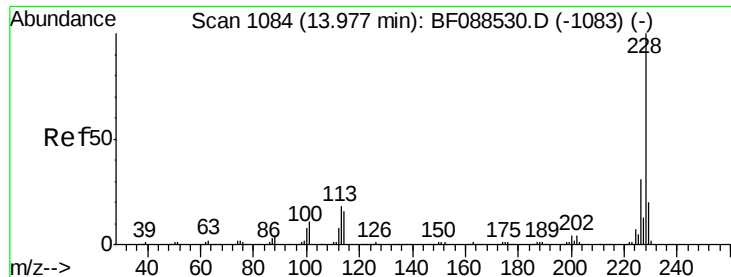


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.06 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.11 min

Lab File: BF089093.D

Acq: 18 Jul 2016 20:41

Instrument :

BNA_F

ClientSampleId :

H10-B1(0-6)C

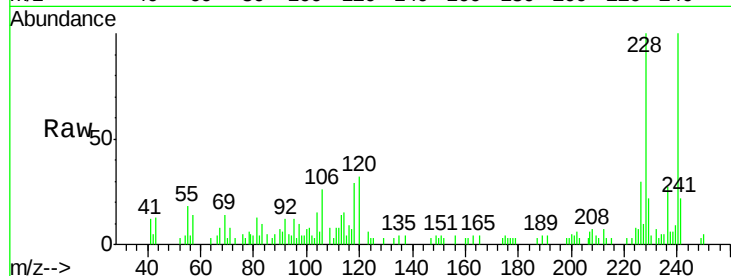
Tgt Ion:228 Resp: 13979

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.2

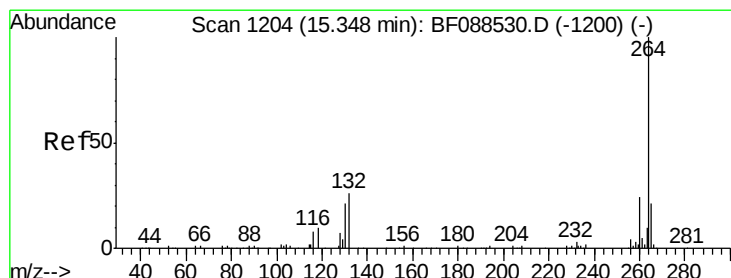
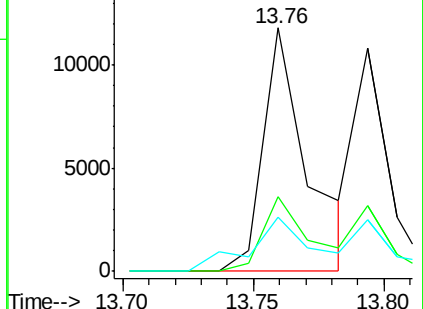
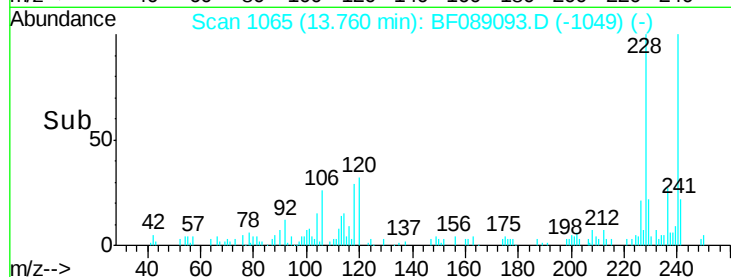
229 22.3 16.3 24.5



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

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.08 min

Lab File: BF089093.D

Acq: 18 Jul 2016 20:41

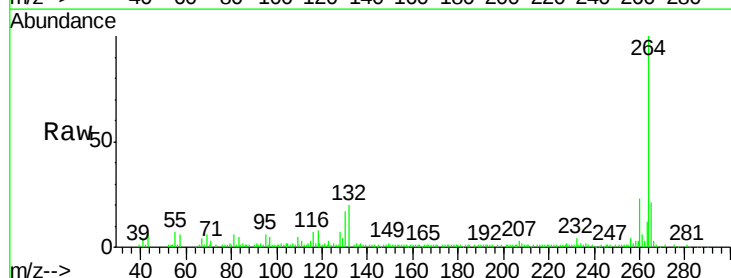
Tgt Ion:264 Resp: 80888

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

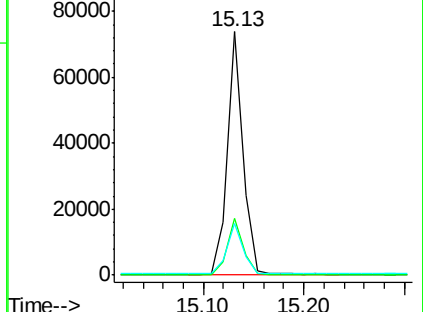
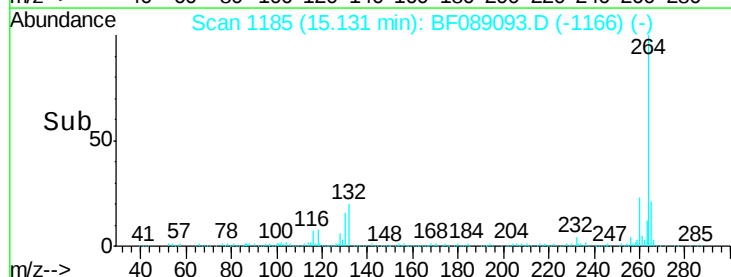
265 21.4 16.9 25.3

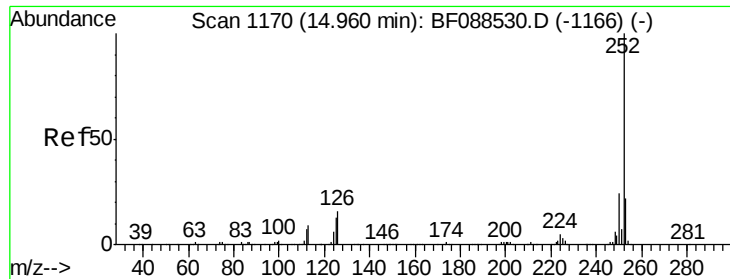


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.96 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.07 min

Lab File: BF089093.D

Acq: 18 Jul 2016 20:41

Instrument :

BNA_F

ClientSampleId :

H10-B1(0-6)C

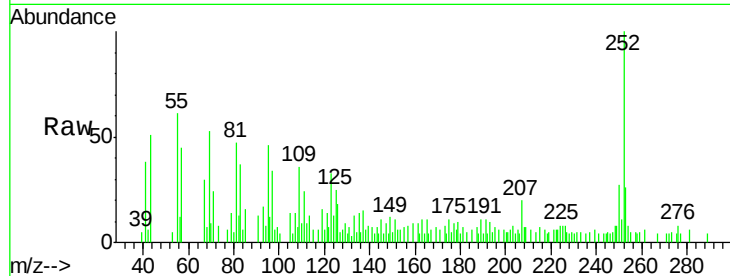
Tgt Ion:252 Resp: 15025

Ion Ratio Lower Upper

252 100

253 26.1 17.4 26.2

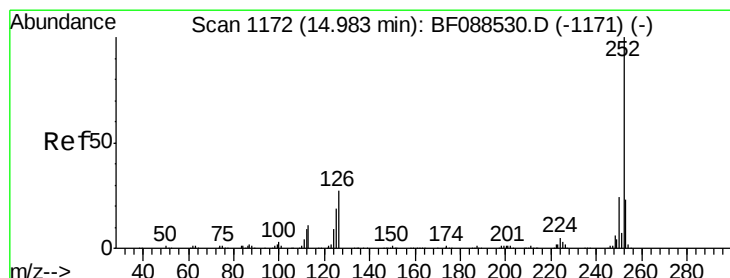
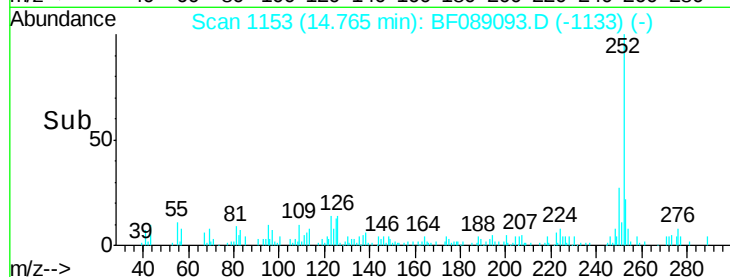
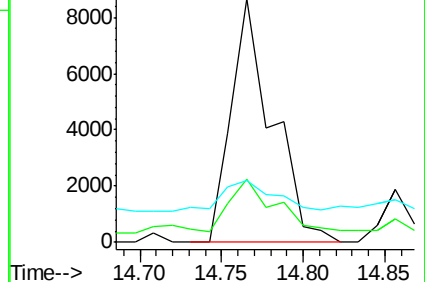
125 25.3 7.1 10.7#



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: 3.40 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.10 min

Lab File: BF089093.D

Acq: 18 Jul 2016 20:41

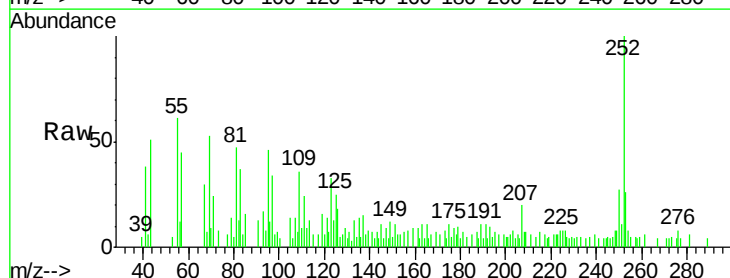
Tgt Ion:252 Resp: 15025

Ion Ratio Lower Upper

252 100

253 26.1 18.0 27.0

125 25.3 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

