

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093016\
 Data File : BF090326.D
 Acq On : 30 Sep 2016 21:44
 Operator : UM/SJ
 Sample : H5025-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-1

Quant Time: Sep 30 22:59:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	121365	20.00	ng	-0.02
21) Naphthalene-d8	7.75	136	458540	20.00	ng	-0.02
38) Acenaphthene-d10	9.50	164	203744	20.00	ng	-0.01
63) Phenanthrene-d10	10.96	188	271457	20.00	ng	-0.02
75) Chrysene-d12	13.58	240	235319	20.00	ng	-0.02
86) Perylene-d12	14.90	264	163710	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.04	112	811700	109.02	ng	0.01
7) Phenol-d6	6.14	99	1033642	112.41	ng	0.00
23) Nitrobenzene-d5	7.03	82	495550	62.65	ng	-0.03
41) 2,4,6-Tribromophenol	10.28	330	168751	96.54	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	1044040	100.60	ng	-0.02
78) Terphenyl-d14	12.55	244	666572	71.92	ng	-0.01

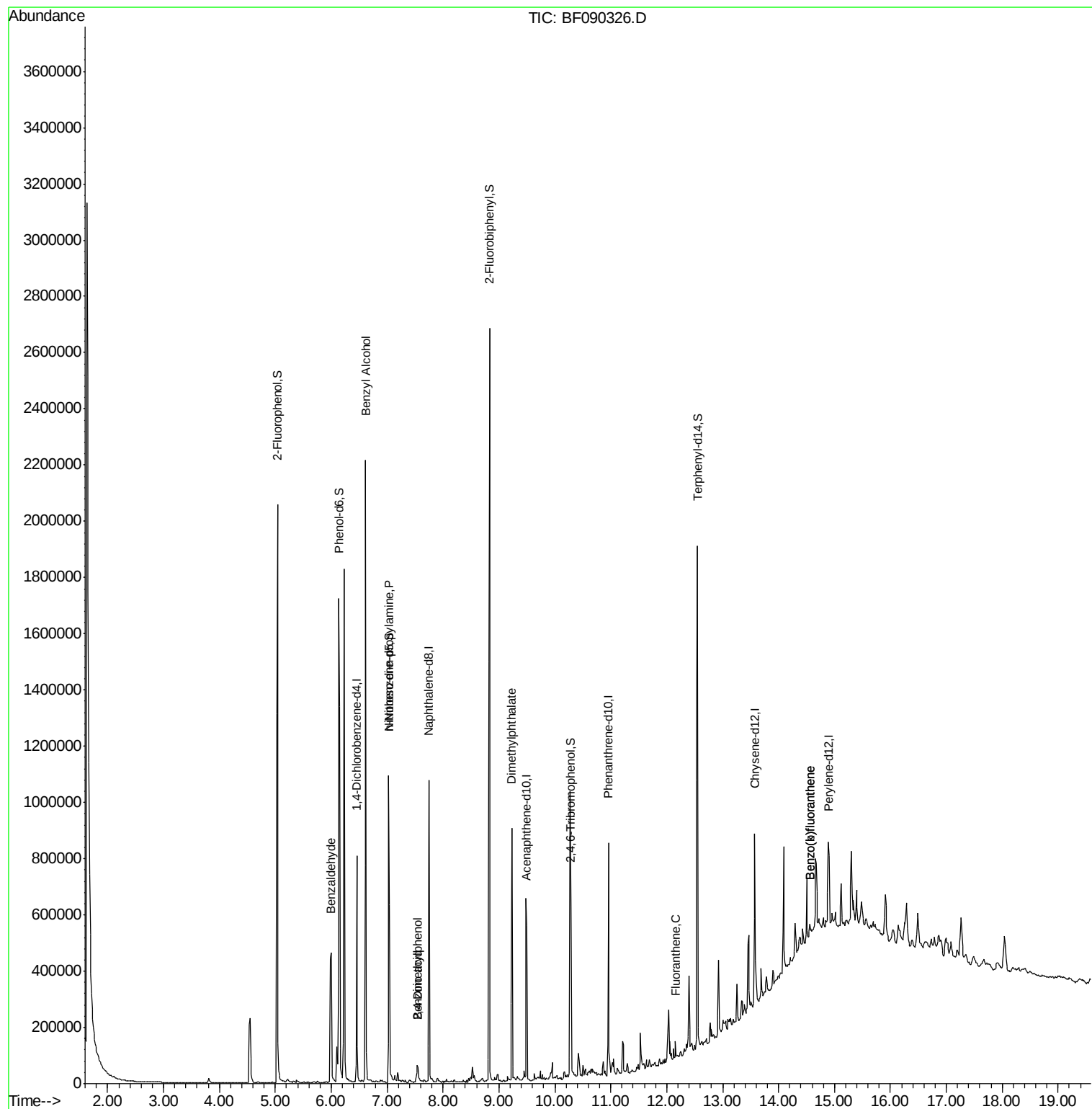
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	5.99	77	159623	39.83	ng	89
15) Benzyl Alcohol	6.62	79	13306	2.43	ng	# 45
19) n-Nitroso-di-n-propylamine	7.03	70	56749	10.51	ng	# 83
27) 2,4-Dimethylphenol	7.54	122	22029	3.06	ng	# 5
32) Benzoic acid	7.54	122	24903	5.03	ng	96
49) Dimethylphthalate	9.23	163	400956	30.90	ng	99
74) Fluoranthene	12.16	202	27489	2.02	ng	95
87) Benzo(b)fluoranthene	14.56	252	21052	2.32	ng	# 63
88) Benzo(k)fluoranthene	14.56	252	21052	2.47	ng	# 61

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

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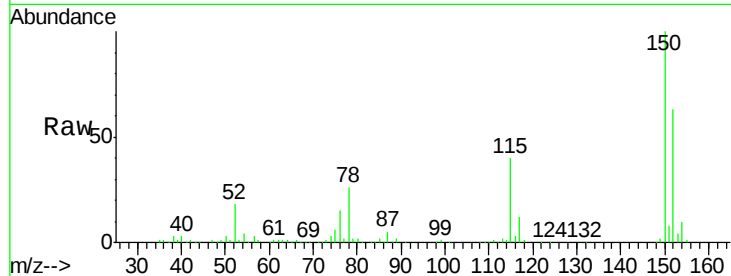


#1

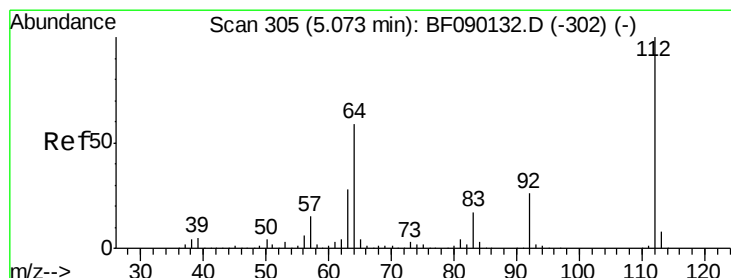
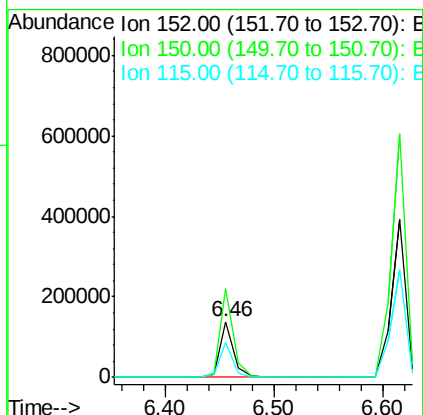
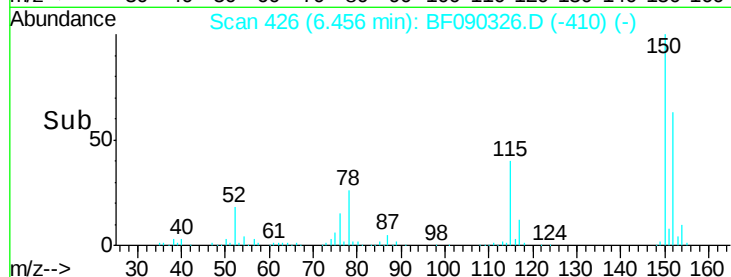
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.46 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: BF090326.D
 Acq: 30 Sep 2016 21:44

Instrument :
 BNA_F
 ClientSampleId :
 PA-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.3	128.9	193.3
115	63.5	55.5	83.3



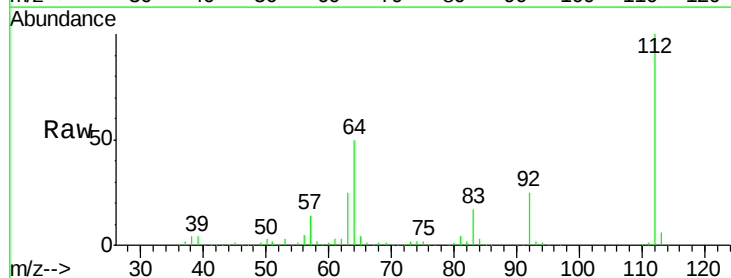
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



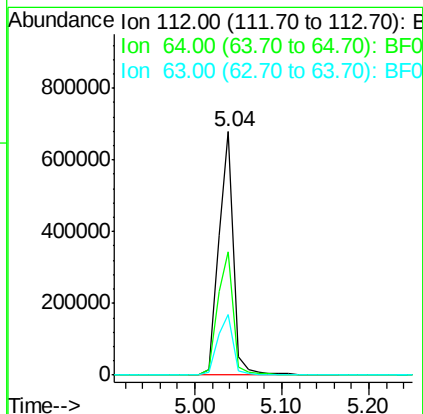
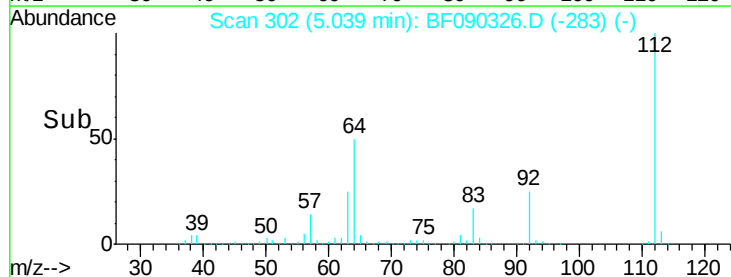
#5

2-Fluorophenol
 Concen: 109.02 ng
 RT: 5.04 min Scan# 302
 Delta R.T. 0.01 min
 Lab File: BF090326.D
 Acq: 30 Sep 2016 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	39.8	59.6
63	24.8	18.9	28.3



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: 112.41 ng

RT: 6.14 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF090326.D

Acq: 30 Sep 2016 21:44

Instrument :

BNA_F

ClientSampled :

PA-1

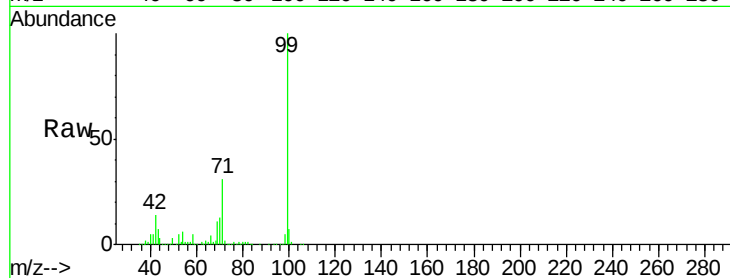
Tgt Ion: 99 Resp: 1033642

Ion Ratio Lower Upper

99 100

42 14.2 10.6 15.8

71 31.0 23.0 34.6



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

800000

600000

400000

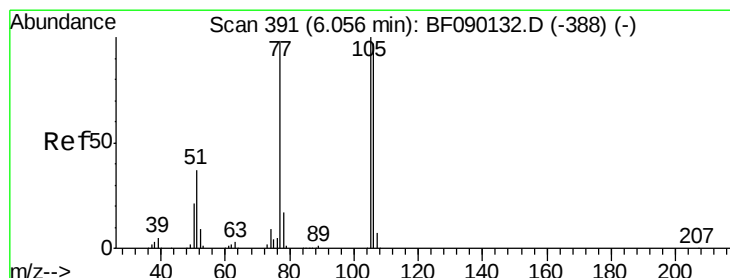
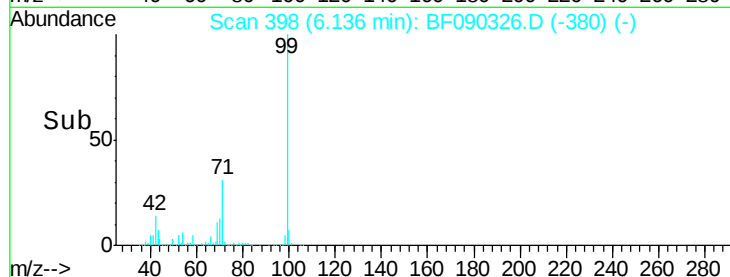
200000

0

6.14

6.10 6.15 6.20 6.25 6.30

Time-->



#9

Benzaldehyde

Concen: 39.83 ng

RT: 5.99 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF090326.D

Acq: 30 Sep 2016 21:44

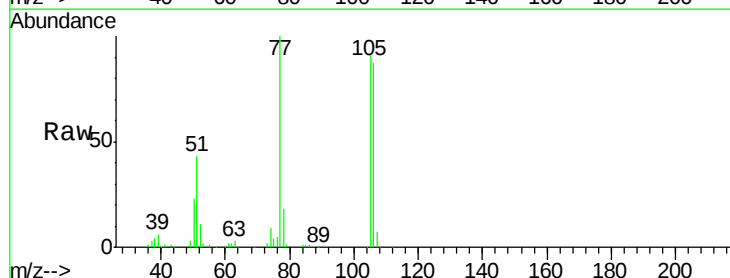
Tgt Ion: 77 Resp: 159623

Ion Ratio Lower Upper

77 100

105 91.4 83.0 123.0

106 87.4 78.5 118.5



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

150000

100000

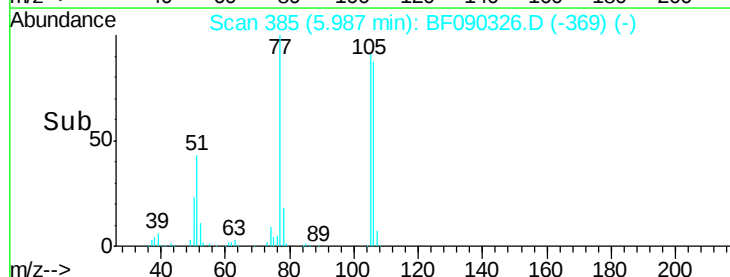
50000

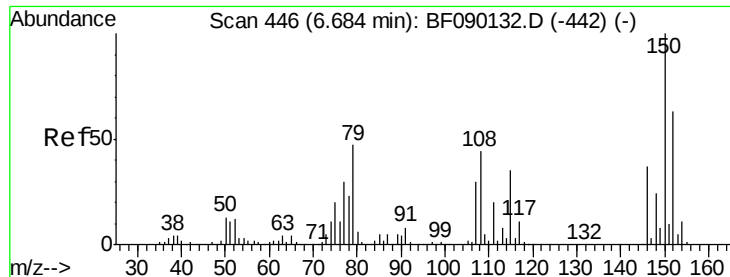
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5.99

5.90 6.00 6.10

Time-->

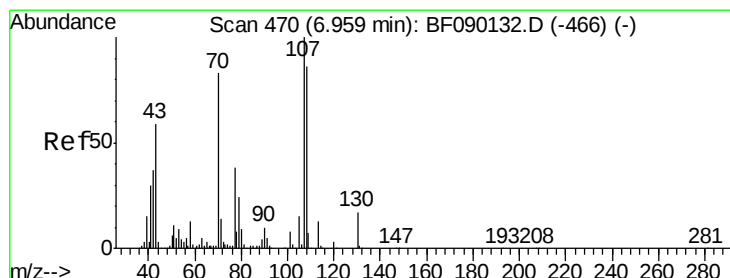
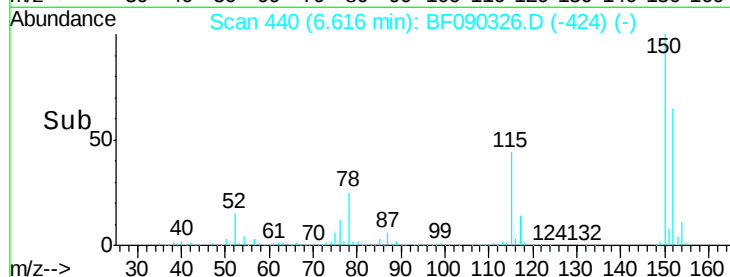
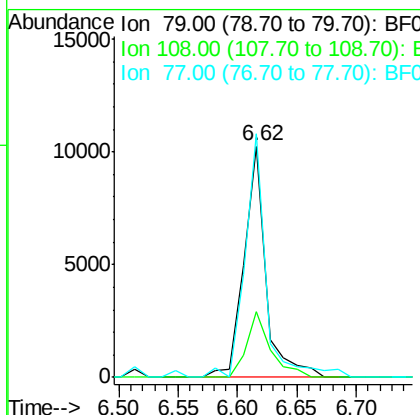
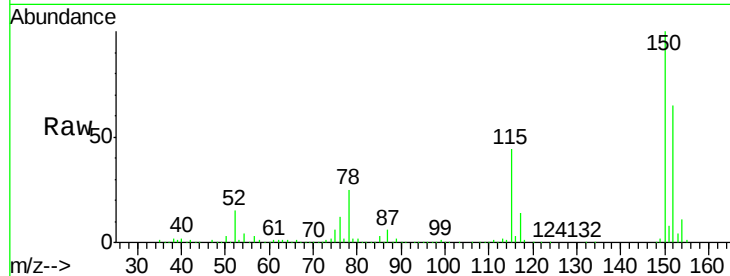




#15
Benzyl Alcohol
Concen: 2.43 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.02 min
Lab File: BF090326.D
Acq: 30 Sep 2016 21:44

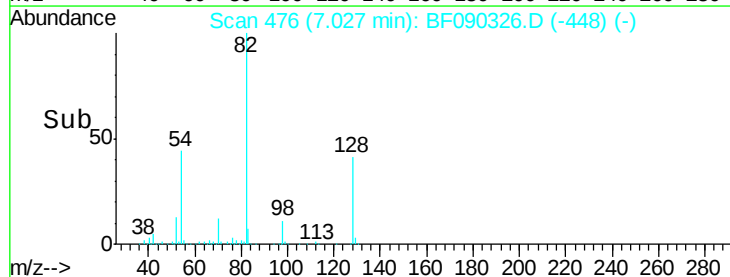
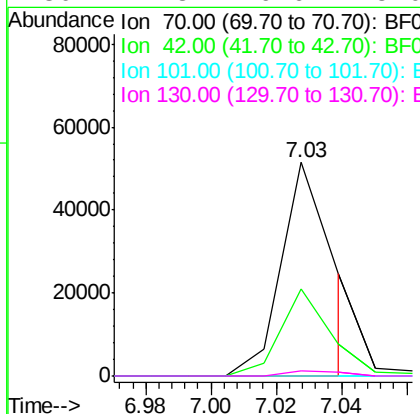
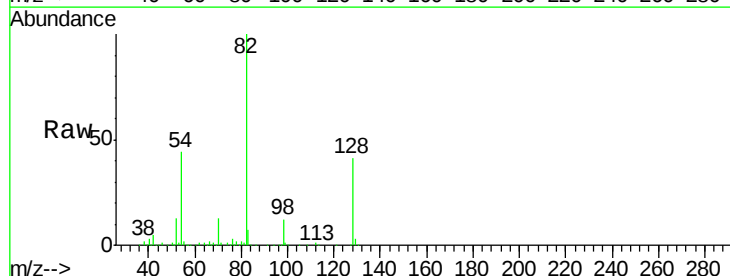
Instrument :
BNA_F
ClientSampleId :
PA-1

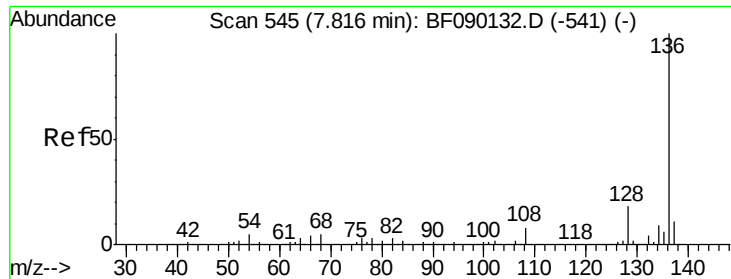
Tgt Ion: 79 Resp: 13306
Ion Ratio Lower Upper
79 100
108 28.6 62.2 93.4#
77 105.5 51.4 77.0#



#19
n-Nitroso-di-n-propylamine
Concen: 10.51 ng
RT: 7.03 min Scan# 476
Delta R.T. 0.11 min
Lab File: BF090326.D
Acq: 30 Sep 2016 21:44

Tgt Ion: 70 Resp: 56749
Ion Ratio Lower Upper
70 100
42 40.7 35.1 52.7
101 0.0 7.5 11.3#
130 2.3 16.6 25.0#

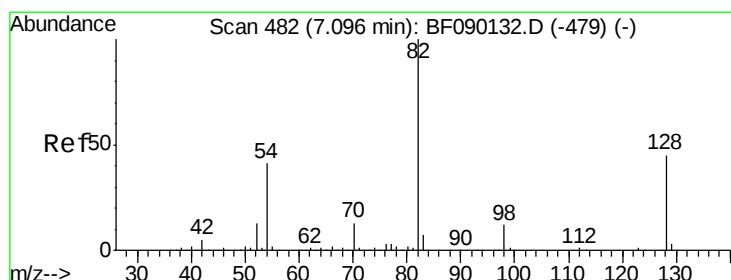
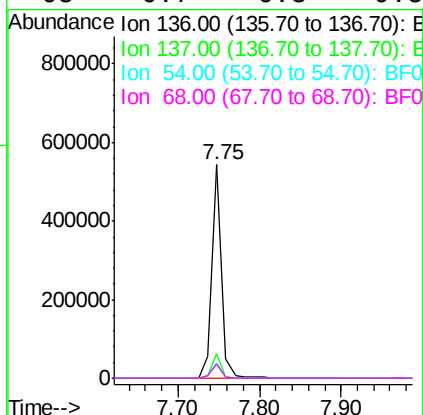
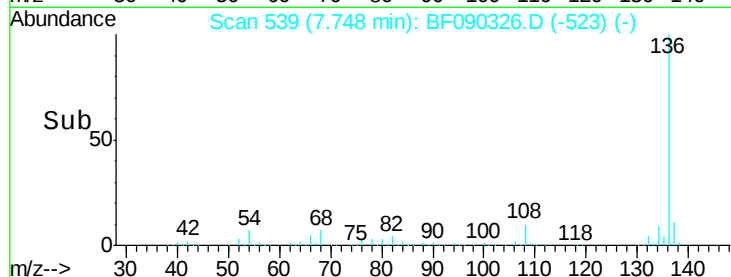
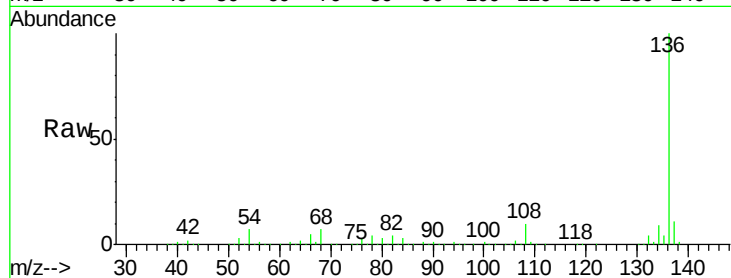




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.75 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF090326.D
Acq: 30 Sep 2016 21:44

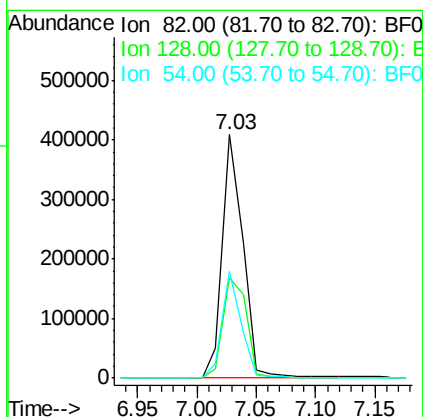
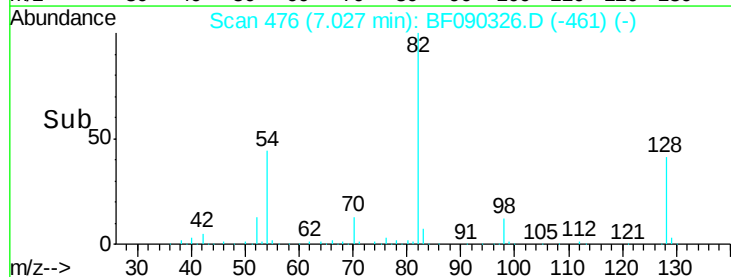
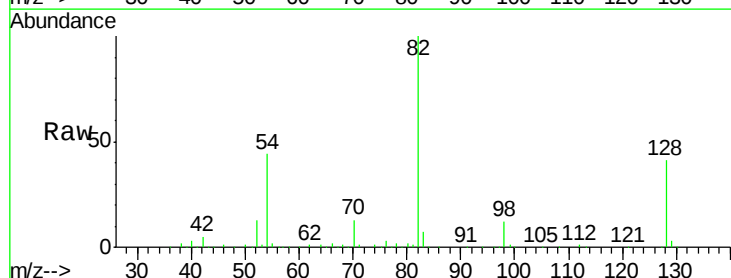
Instrument :
BNA_F
ClientSampleId :
PA-1

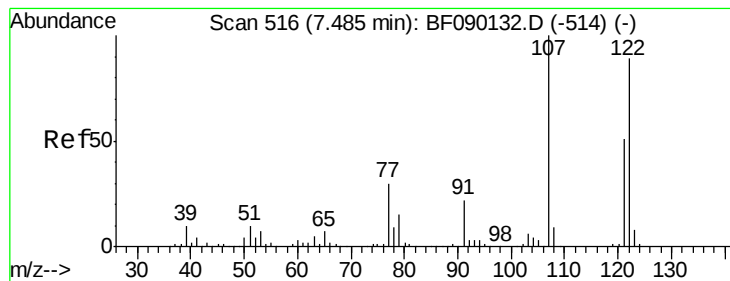
Tgt Ion:	136	Resp:	458540
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.1	6.4	9.6
68	6.7	6.3	9.5



#23
Nitrobenzene-d5
Concen: 62.65 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.03 min
Lab File: BF090326.D
Acq: 30 Sep 2016 21:44

Tgt Ion:	82	Resp:	495550
Ion	Ratio	Lower	Upper
82	100		
128	41.1	37.5	56.3
54	43.8	31.9	47.9





#27

2,4-Dimethylphenol

Concen: 3.06 ng

RT: 7.54 min Scan# 521

Delta R.T. 0.09 min

Lab File: BF090326.D

Acq: 30 Sep 2016 21:44

Instrument :

BNA_F

ClientSampleId :

PA-1

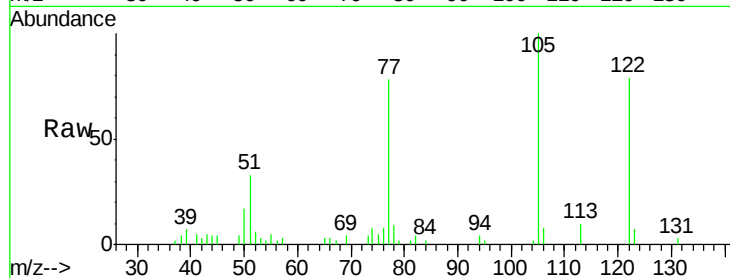
Tgt Ion:122 Resp: 22029

Ion Ratio Lower Upper

122 100

107 0.0 87.8 131.6#

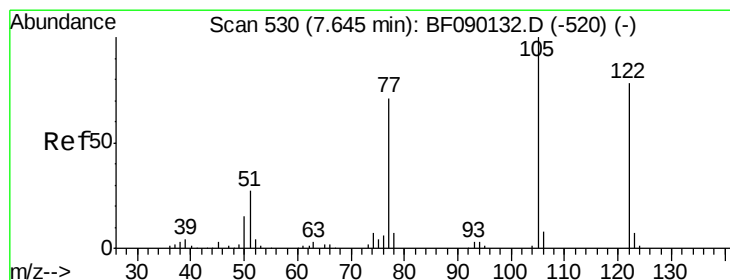
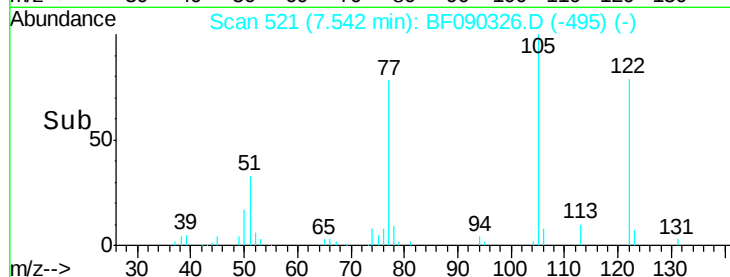
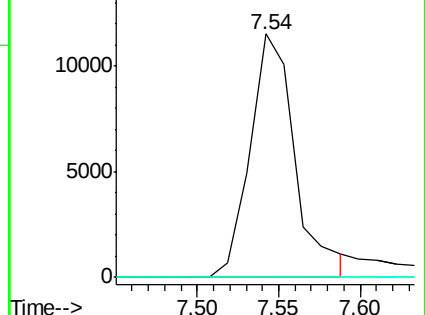
121 0.0 45.7 68.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 5.03 ng

RT: 7.54 min Scan# 521

Delta R.T. -0.06 min

Lab File: BF090326.D

Acq: 30 Sep 2016 21:44

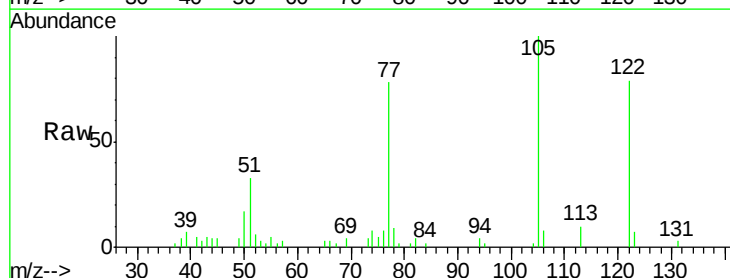
Tgt Ion:122 Resp: 24903

Ion Ratio Lower Upper

122 100

105 126.6 105.0 145.0

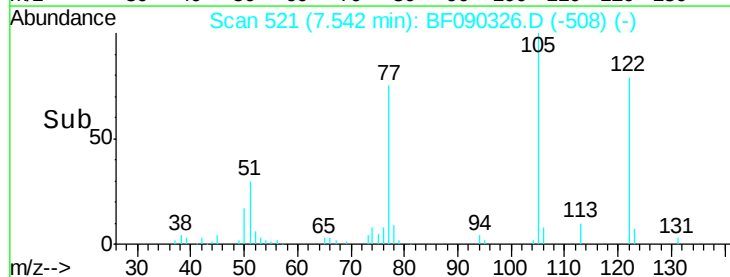
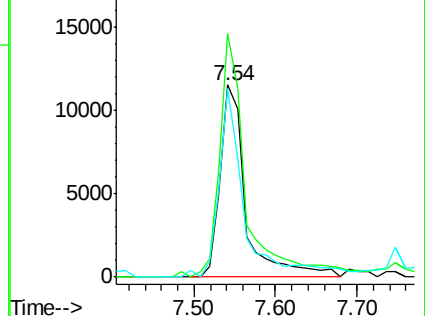
77 98.3 70.4 110.4

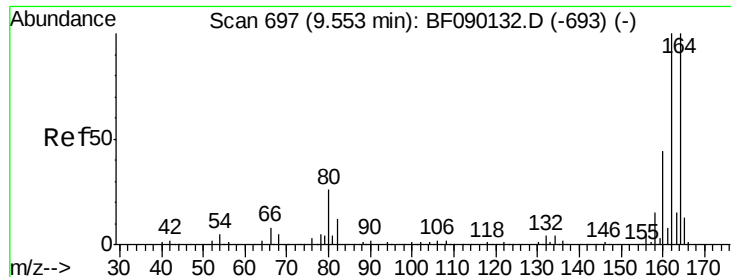


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

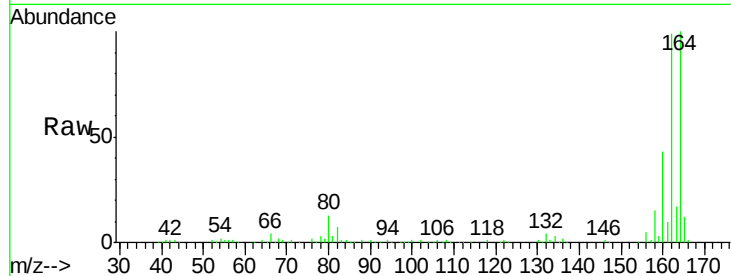




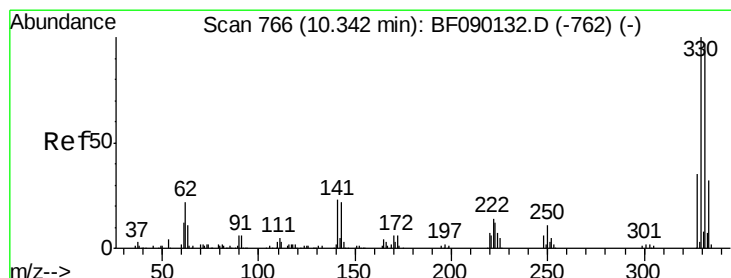
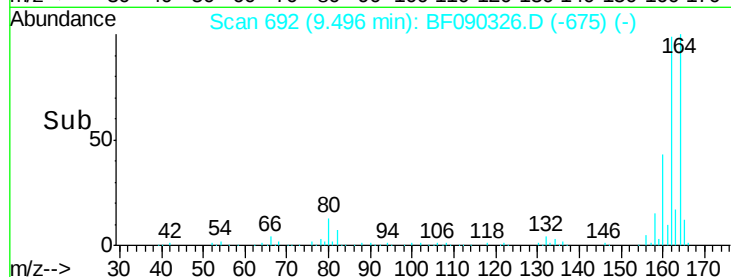
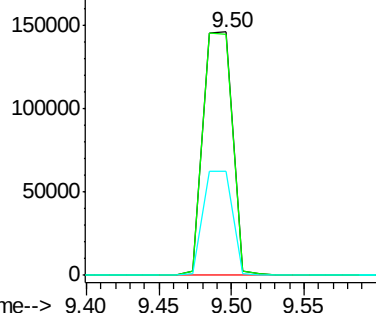
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090326.D
 Acq: 30 Sep 2016 21:44

Instrument :
 BNA_F
 ClientSampleId :
 PA-1

Tgt Ion:164 Resp: 203744
 Ion Ratio Lower Upper
 164 100
 162 99.1 81.4 122.2
 160 42.9 36.6 54.8

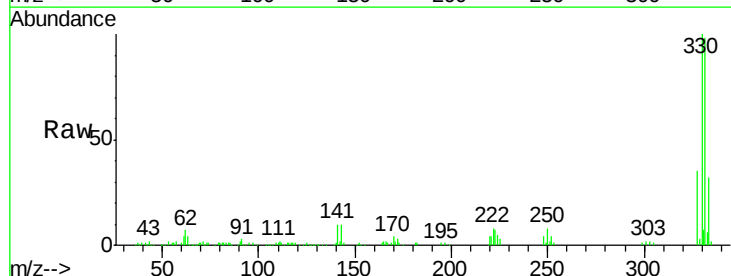


Abundance Ion 164.00 (163.70 to 164.70): E
 200000
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

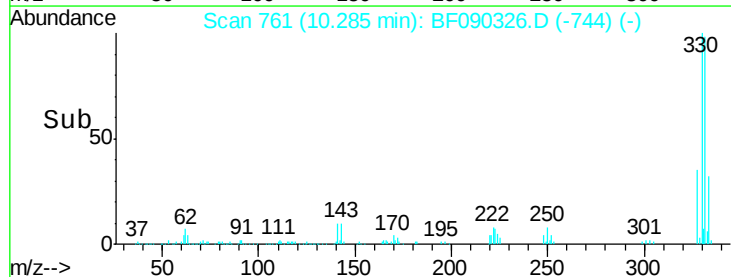
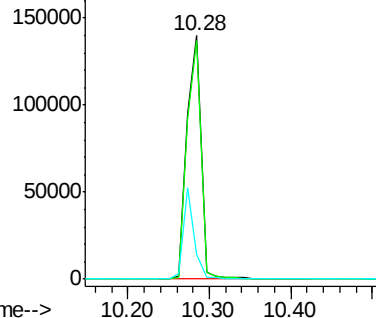


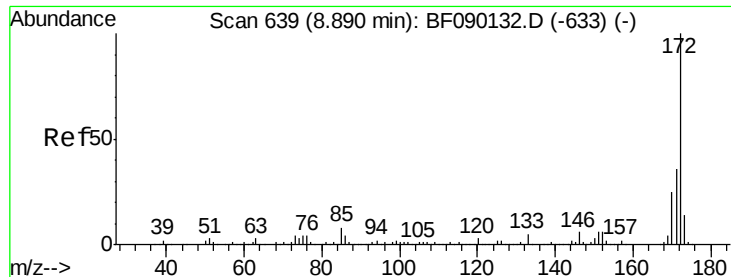
#41
 2,4,6-Tribromophenol
 Concen: 96.54 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090326.D
 Acq: 30 Sep 2016 21:44

Tgt Ion:330 Resp: 168751
 Ion Ratio Lower Upper
 330 100
 332 97.1 78.1 117.1
 141 30.2 23.9 35.9



Abundance Ion 329.80 (329.50 to 330.50): E
 150000
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

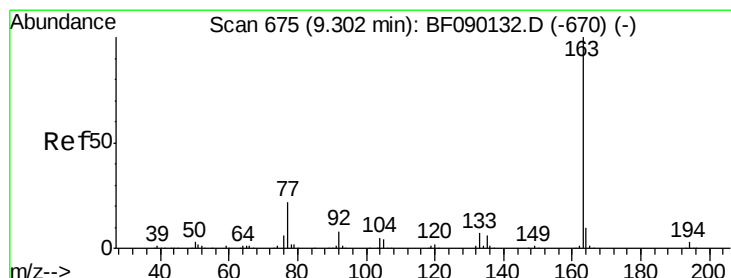
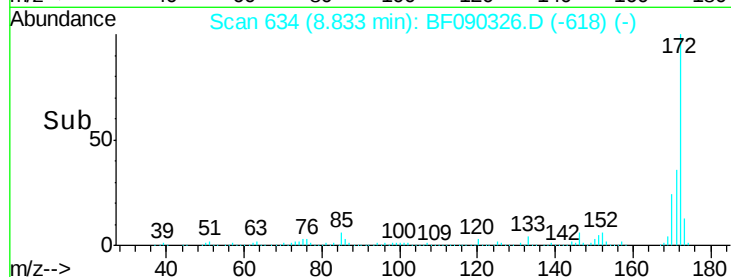
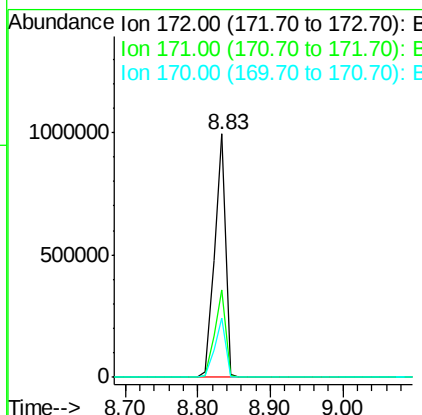
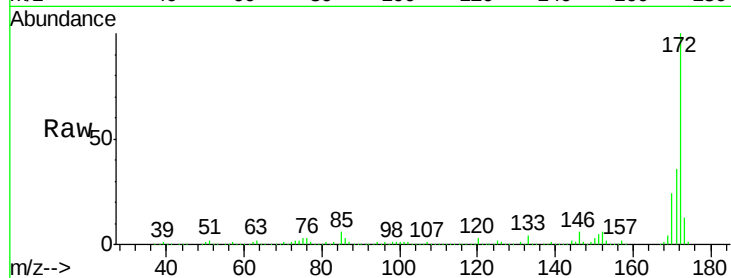




#44
 2-Fluorobiphenyl
 Concen: 100.60 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090326.D
 Acq: 30 Sep 2016 21:44

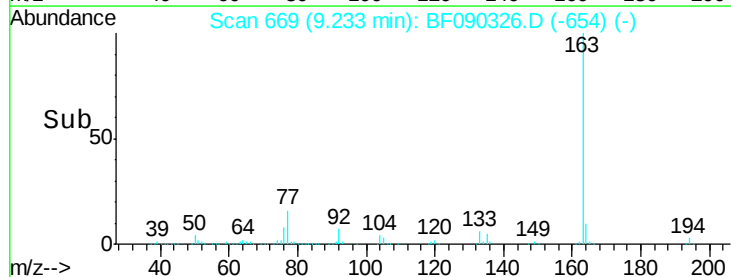
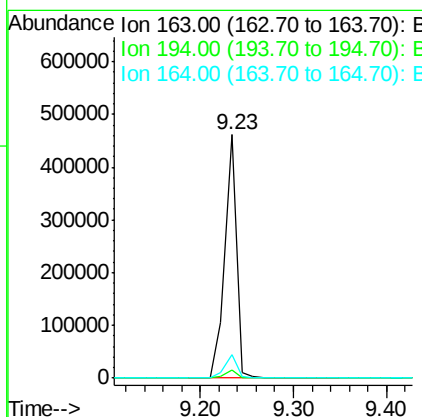
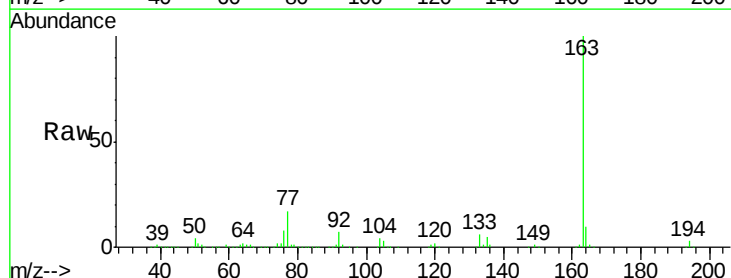
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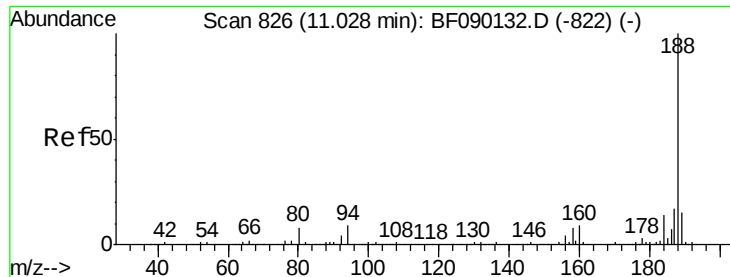
Tgt Ion:172 Resp: 1044040
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.2 43.8
 170 24.4 19.8 29.8



#49
 Dimethylphthalate
 Concen: 30.90 ng
 RT: 9.23 min Scan# 669
 Delta R.T. -0.03 min
 Lab File: BF090326.D
 Acq: 30 Sep 2016 21:44

Tgt Ion:163 Resp: 400956
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.8 4.2
 164 9.7 8.1 12.1

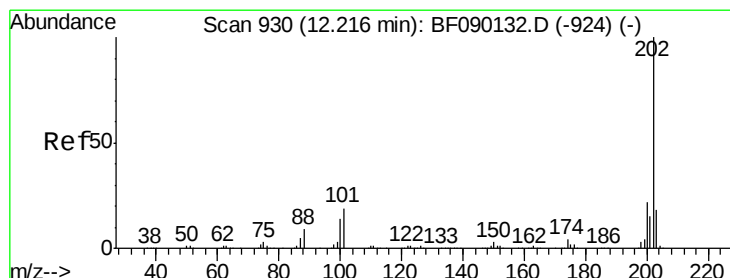
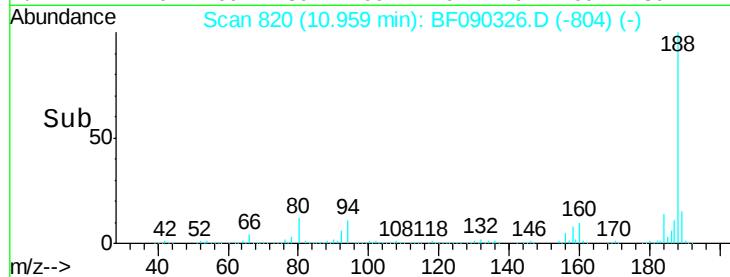
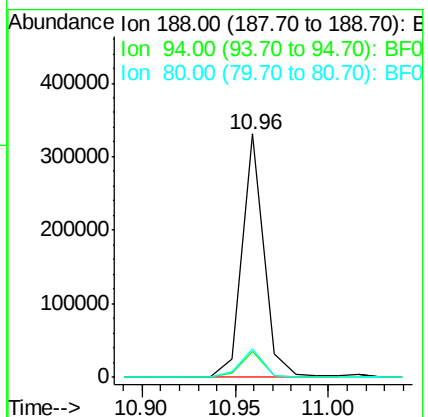
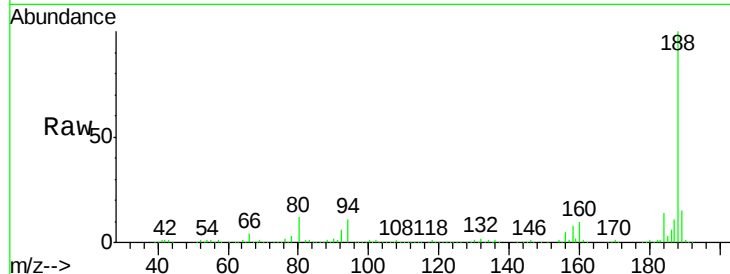




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.96 min Scan# 820
Delta R.T. -0.02 min
Lab File: BF090326.D
Acq: 30 Sep 2016 21:44

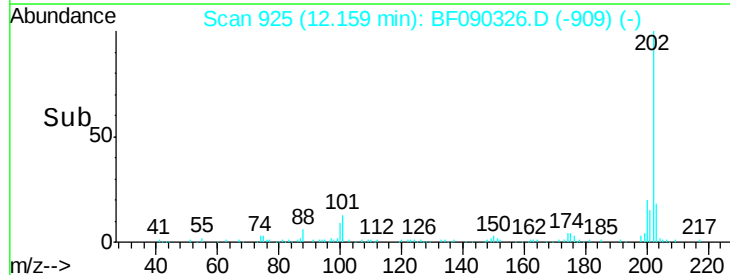
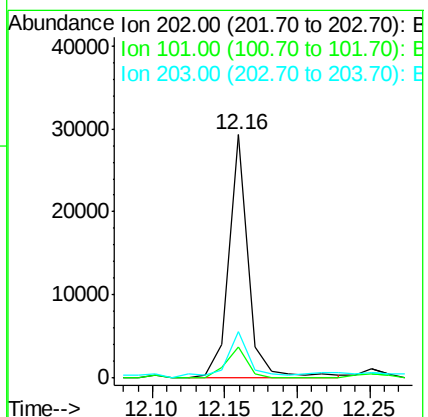
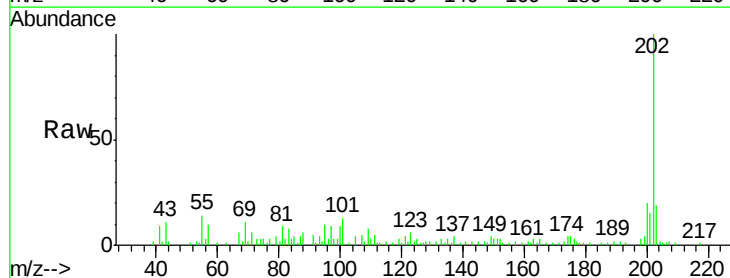
Instrument :
BNA_F
ClientSampleId :
PA-1

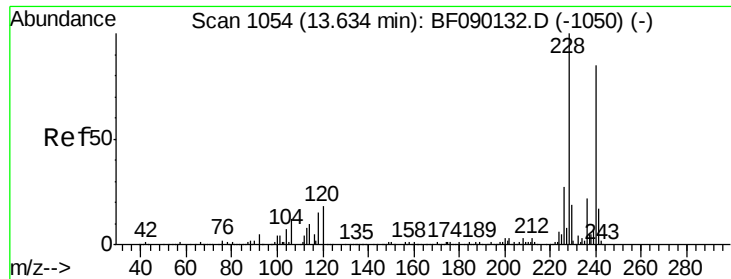
Tgt Ion:188 Resp: 271457
Ion Ratio Lower Upper
188 100
94 10.9 10.5 15.7
80 11.8 11.2 16.8



#74
Fluoranthene
Concen: 2.02 ng
RT: 12.16 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF090326.D
Acq: 30 Sep 2016 21:44

Tgt Ion:202 Resp: 27489
Ion Ratio Lower Upper
202 100
101 12.6 0.0 36.1
203 18.9 0.0 38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090326.D

Acq: 30 Sep 2016 21:44

Instrument :

BNA_F

ClientSampleId :

PA-1

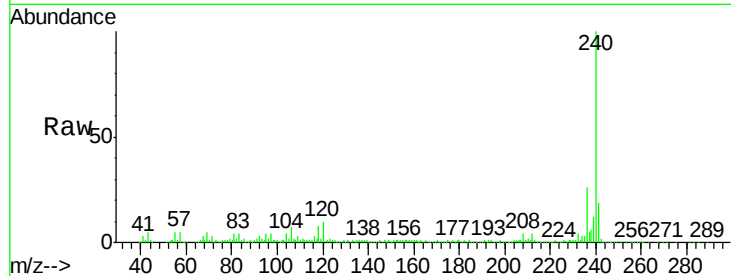
Tgt Ion:240 Resp: 235319

Ion Ratio Lower Upper

240 100

120 10.2 10.6 16.0#

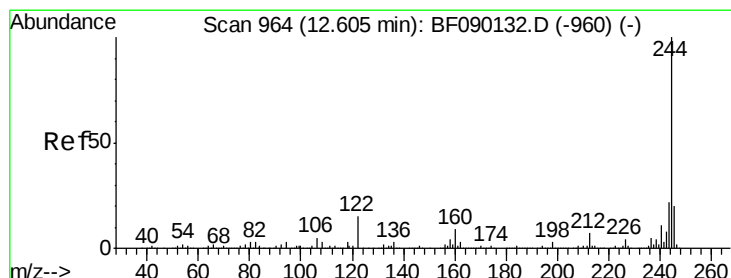
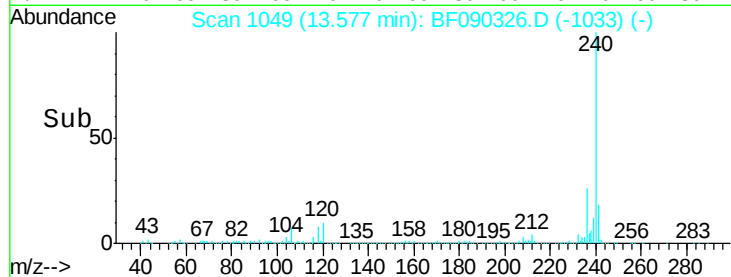
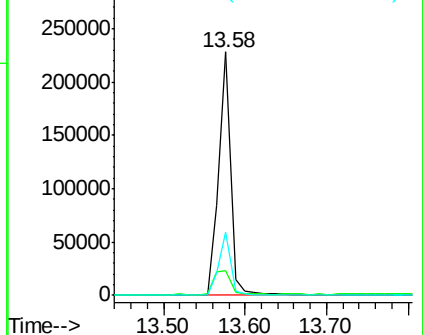
236 25.7 21.6 32.4



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



#78

Terphenyl-d14

Concen: 71.92 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF090326.D

Acq: 30 Sep 2016 21:44

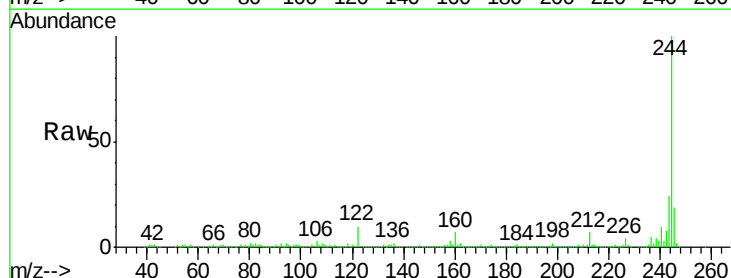
Tgt Ion:244 Resp: 666572

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

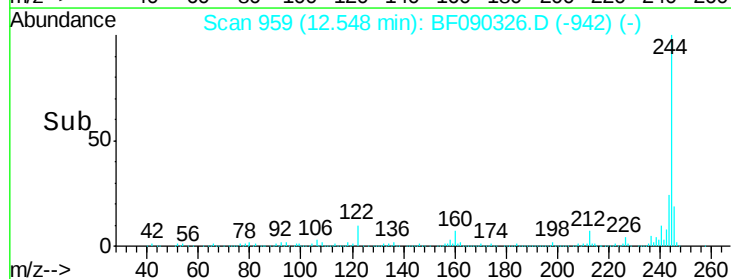
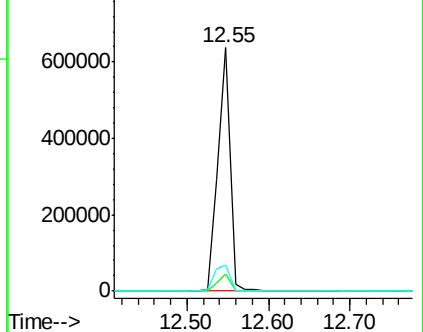
122 10.5 9.4 14.0

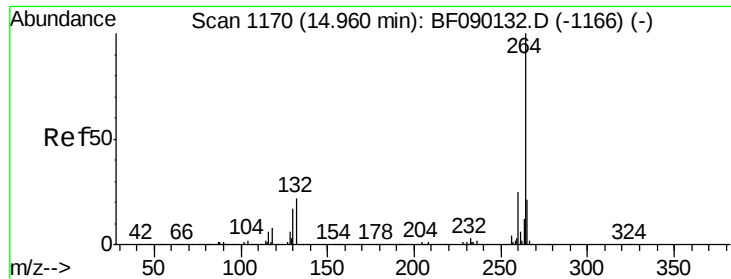


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



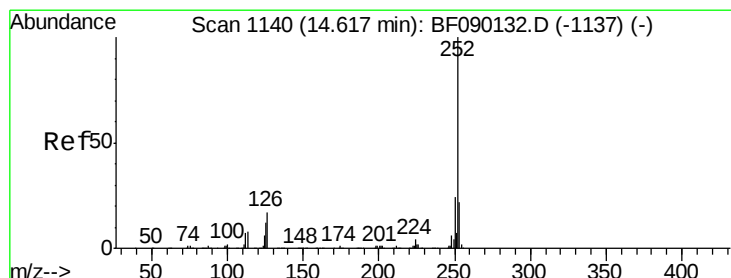
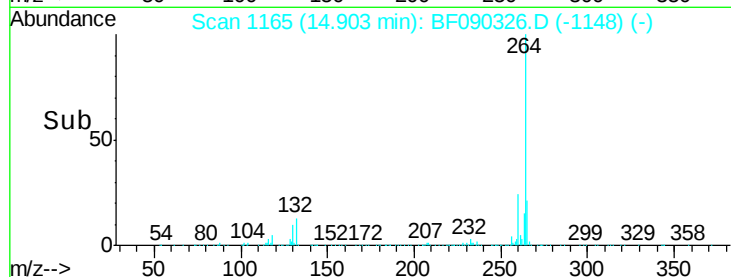
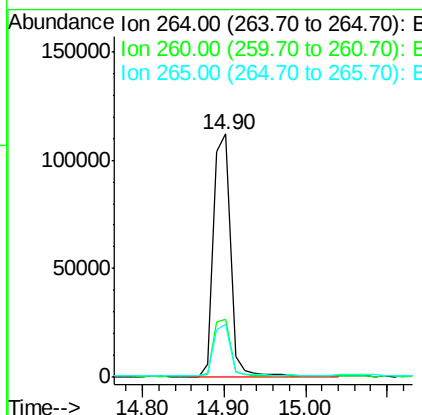
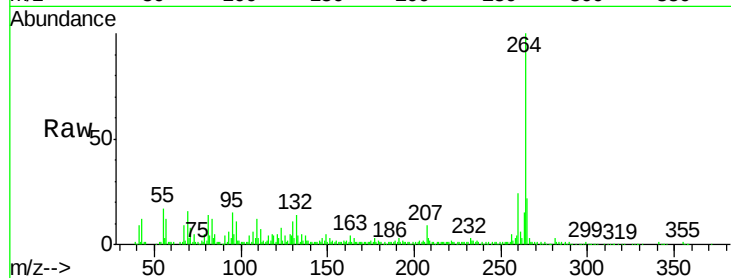


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF090326.D
Acq: 30 Sep 2016 21:44

Instrument :
BNA_F
ClientSampleId :
PA-1

Tgt Ion: 264 Resp: 163710

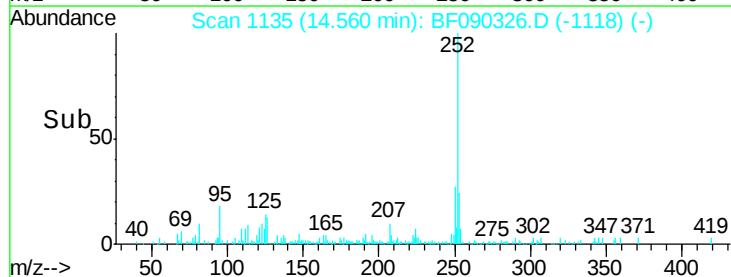
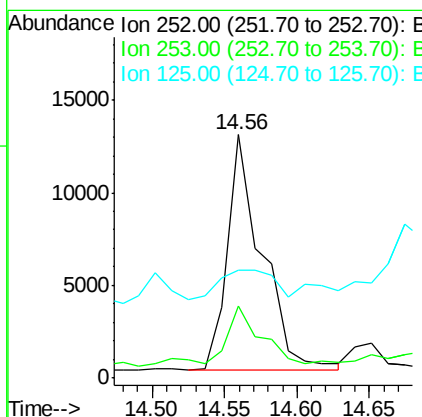
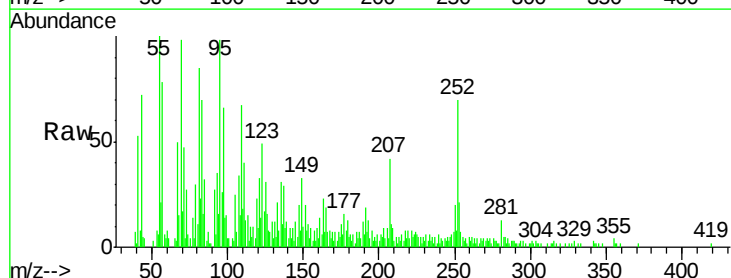
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.9	17.0	25.4

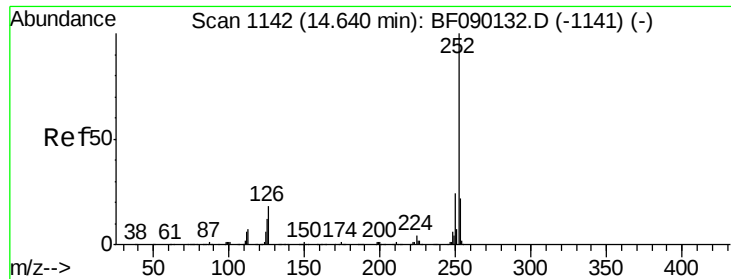


#87
Benzo(b)fluoranthene
Concen: 2.32 ng
RT: 14.56 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF090326.D
Acq: 30 Sep 2016 21:44

Tgt Ion: 252 Resp: 21052

Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.9	26.9#
125	44.5	12.7	19.1#





#88

Benzo(k)fluoranthene

Concen: 2.47 ng

RT: 14.56 min Scan# 1135

Delta R.T. -0.03 min

Lab File: BF090326.D

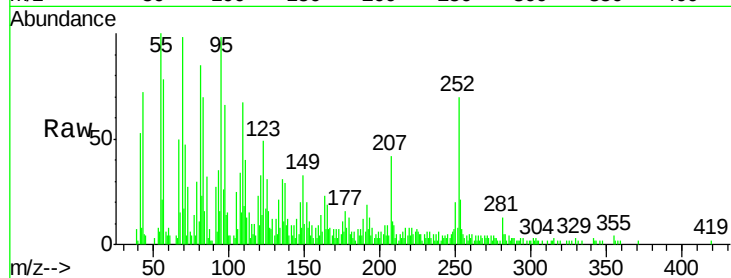
Acq: 30 Sep 2016 21:44

Instrument :

BNA_F

ClientSampleId :

PA-1



Tgt Ion: 252 Resp: 21052

Ion Ratio Lower Upper

252 100

253 29.7 17.8 26.8#

125 44.5 7.8 11.6#

