

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073016\
 Data File : BF089447.D
 Acq On : 30 Jul 2016 10:09
 Operator : UM/SJ
 Sample : H4222-06
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 01:03:01 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

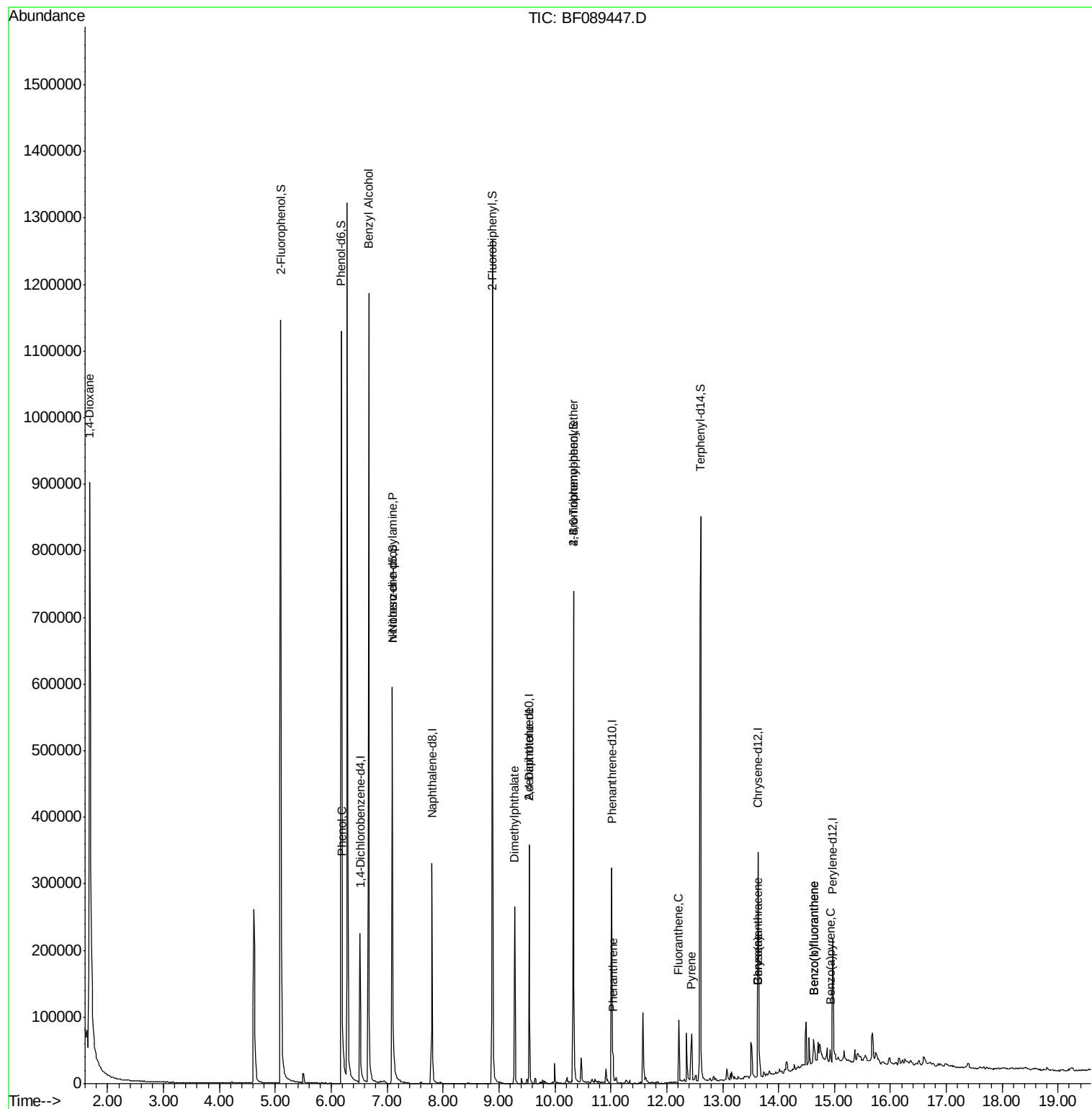
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	45730	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	173410	20.00	ng	-0.02
38) Acenaphthene-d10	9.54	164	71102	20.00	ng	-0.03
63) Phenanthrene-d10	11.02	188	123676	20.00	ng	-0.03
75) Chrysene-d12	13.63	240	104558	20.00	ng	-0.03
86) Perylene-d12	14.97	264	77572	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	408657	142.69	ng	-0.01
7) Phenol-d6	6.18	99	509086	134.50	ng	-0.02
23) Nitrobenzene-d5	7.10	82	320182	108.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.33	330	73383	124.61	ng	-0.03
44) 2-Fluorobiphenyl	8.88	172	463867	95.74	ng	-0.03
78) Terphenyl-d14	12.61	244	377056	84.40	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.68	88	50453	38.77	ng	# 26
10) Phenol	6.19	94	8973	2.15	ng	# 58
15) Benzyl Alcohol	6.67	79	5544	2.36	ng	# 48
19) n-Nitroso-di-n-propylamine	7.10	70	41407	18.14	ng	# 75
49) Dimethylphthalate	9.28	163	106411	19.66	ng	99
56) 2,4-Dinitrotoluene	9.54	165	8904	6.08	ng	# 7
66) 4-Bromophenyl-phenylether	10.33	248	5818	4.93	ng	# 1
70) Phenanthrene	11.04	178	14538	2.28	ng	96
74) Fluoranthene	12.22	202	41412	6.17	ng	97
77) Pyrene	12.45	202	29663	3.74	ng	100
80) Benzo(a)anthracene	13.62	228	18215	3.09	ng	# 92
82) Chrysene	13.62	228	18215	2.90	ng	95
87) Benzo(b)fluoranthene	14.63	252	24601	5.11	ng	95
88) Benzo(k)fluoranthene	14.63	252	24601	5.55	ng	97
89) Benzo(a)pyrene	14.93	252	10646	2.46	ng	# 93

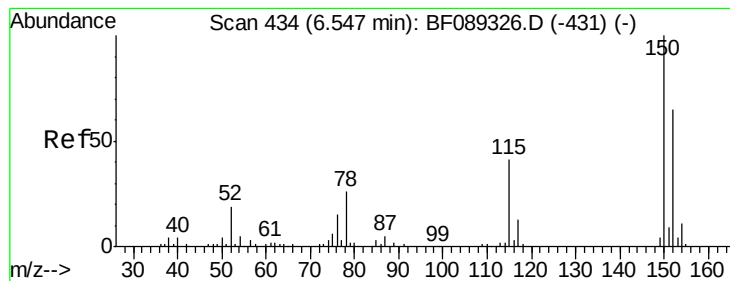
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.03 min

Lab File: BF089447.D

Acq: 30 Jul 2016 10:09

Instrument :

BNA_F

ClientSampleId :

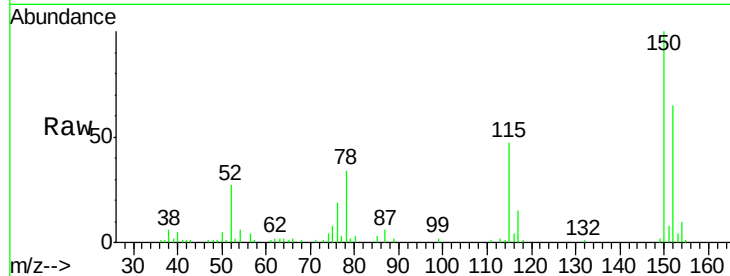
Tot Ion:152 Resp: 45730

Ion Ratio Lower Upper

152 100

150 154.0 129.5 194.3

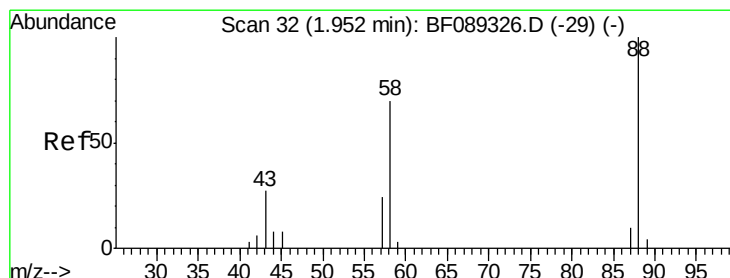
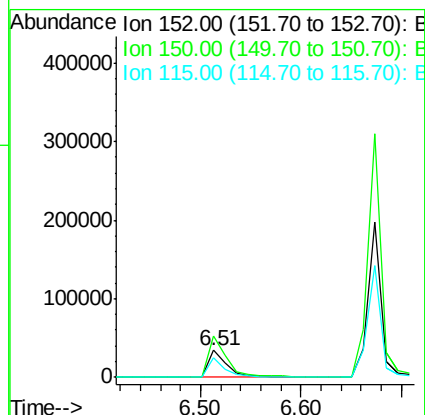
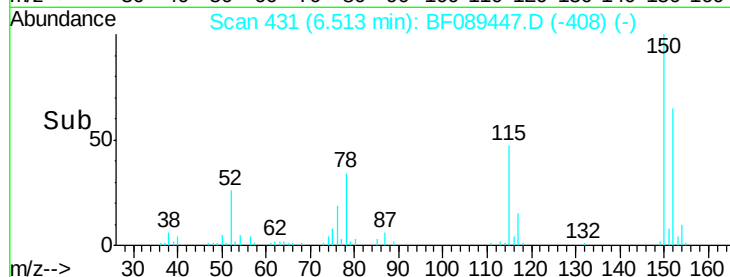
115 72.1 51.4 77.2



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



#2

1,4-Dioxane

Concen: 38.77 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.27 min

Lab File: BF089447.D

Acq: 30 Jul 2016 10:09

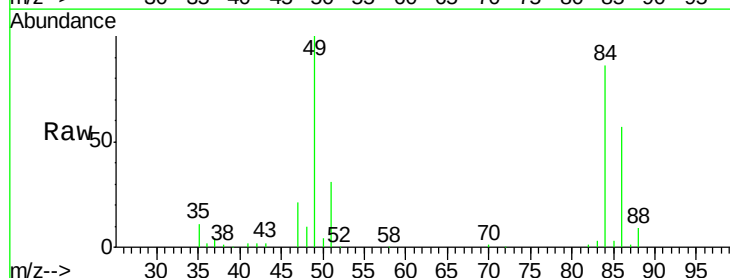
Tgt Ion: 88 Resp: 50453

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

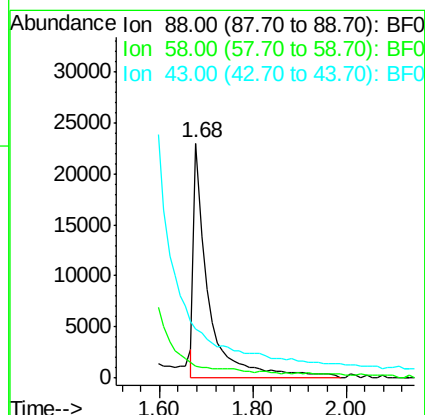
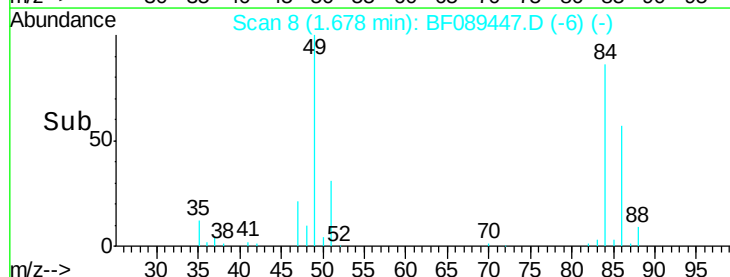
43 0.0 20.6 31.0#

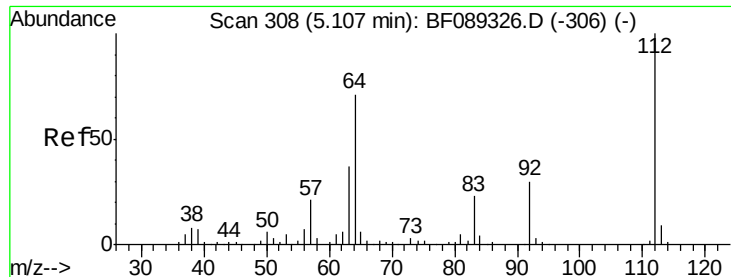


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 142.69 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089447.D

Acq: 30 Jul 2016 10:09

Instrument :

BNA_F

ClientSampleId :

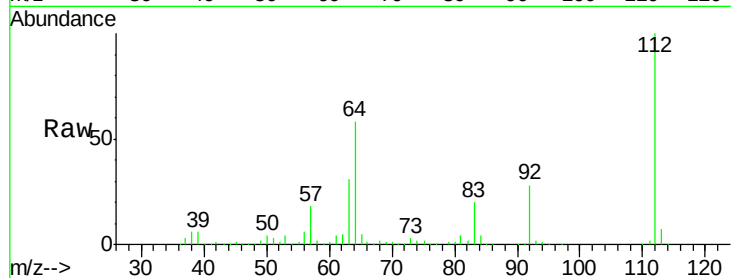
Tot Ion:112 Resp: 408657

Ion Ratio Lower Upper

112 100

64 57.6 55.0 82.6

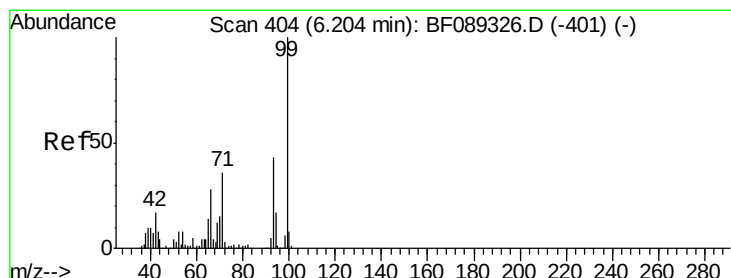
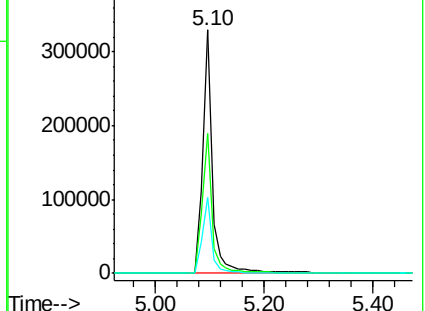
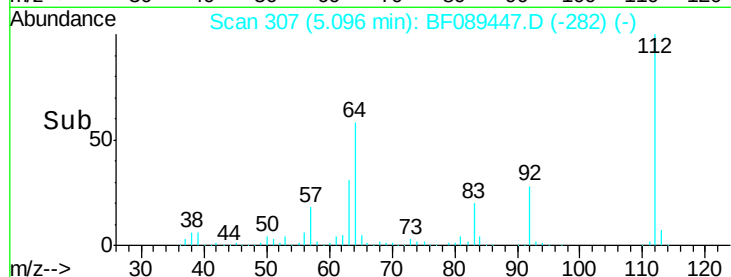
63 31.0 29.4 44.2



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: 134.50 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089447.D

Acq: 30 Jul 2016 10:09

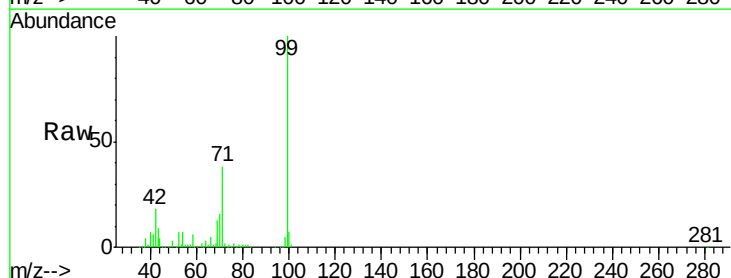
Tgt Ion: 99 Resp: 509086

Ion Ratio Lower Upper

99 100

42 18.2 13.6 20.4

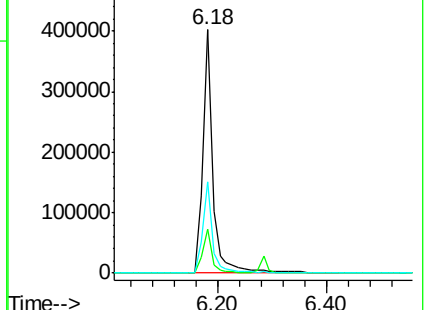
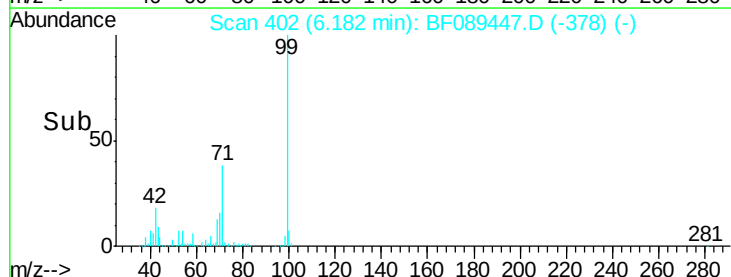
71 37.7 29.4 44.2

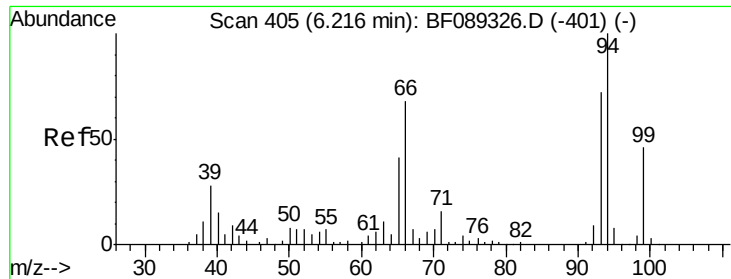


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

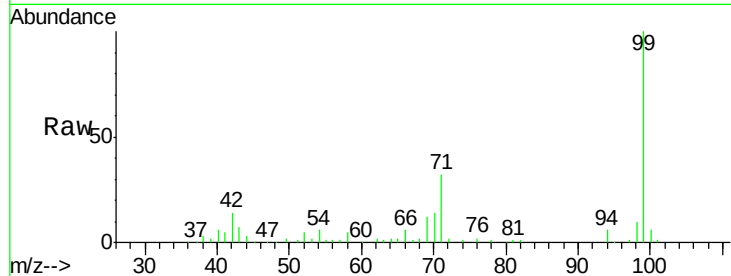




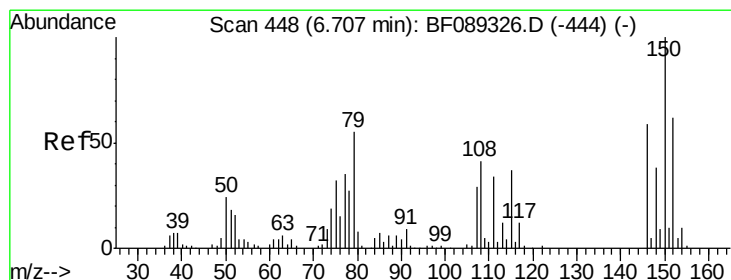
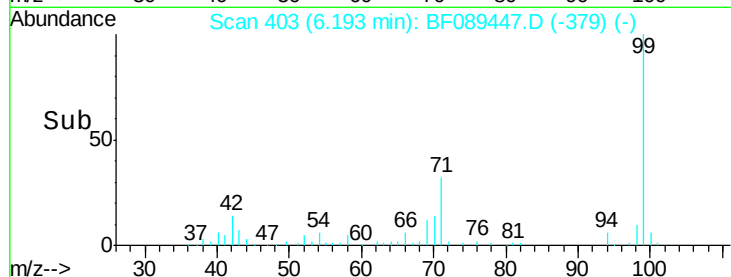
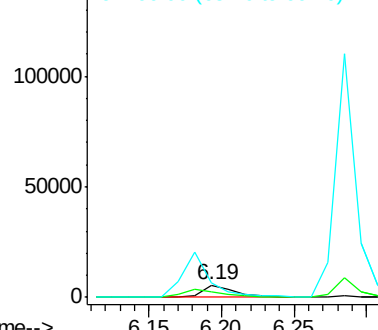
#10
Phenol
Concen: 2.15 ng
RT: 6.19 min Scan# 403
Delta R.T. -0.02 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 8973
Ion Ratio Lower Upper
94 100
65 42.7 19.1 59.1
66 114.7 44.4 84.4#

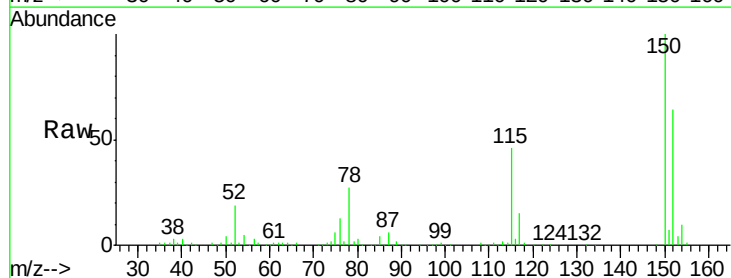


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

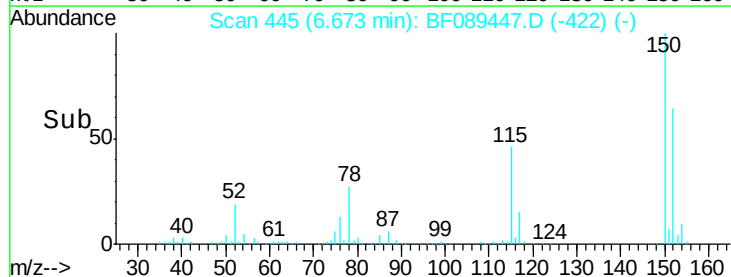
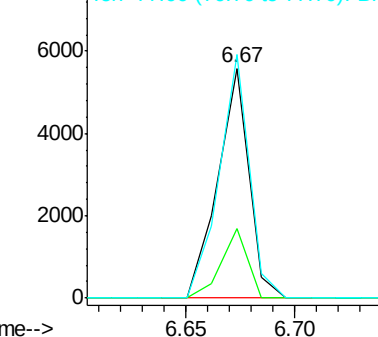


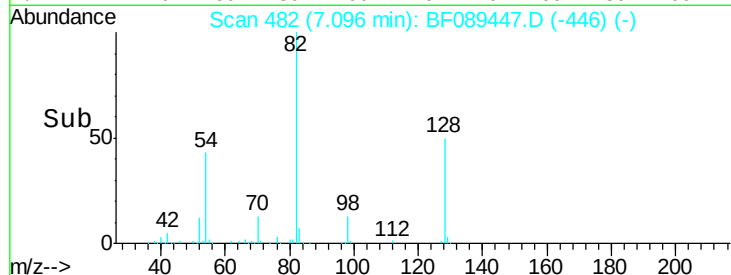
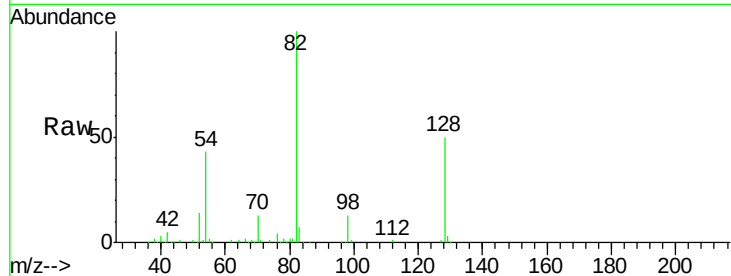
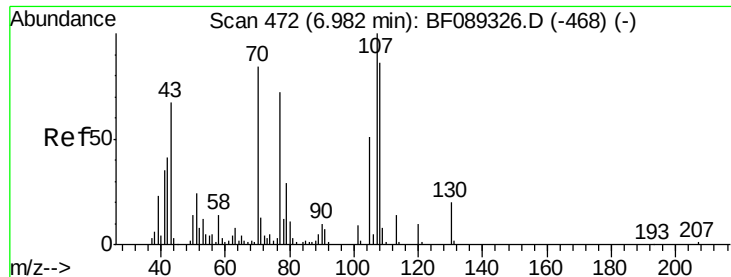
#15
Benzyl Alcohol
Concen: 2.36 ng
RT: 6.67 min Scan# 445
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion: 79 Resp: 5544
Ion Ratio Lower Upper
79 100
108 30.4 59.8 89.6#
77 105.9 51.7 77.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

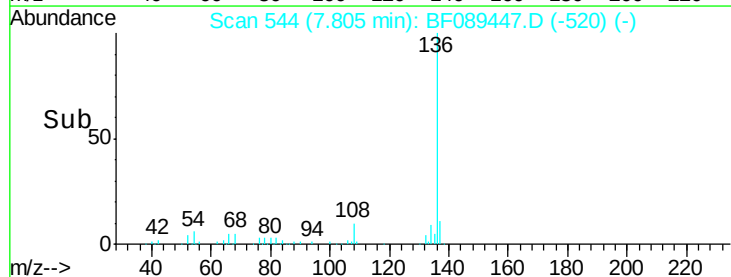
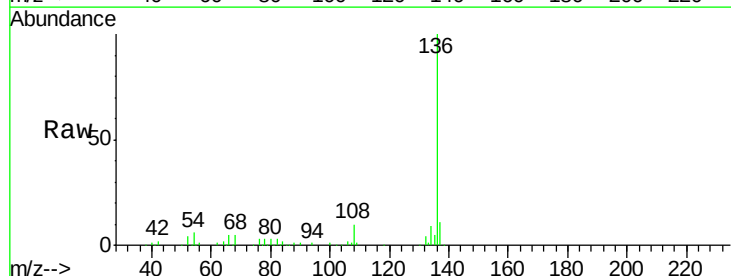
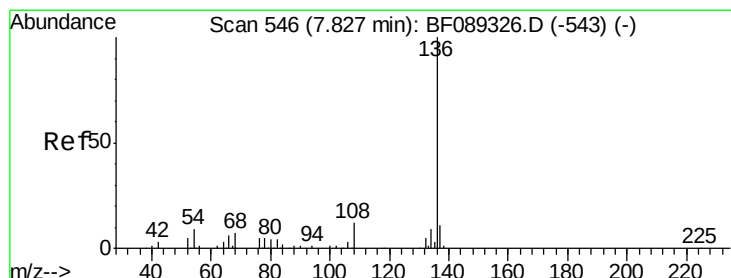
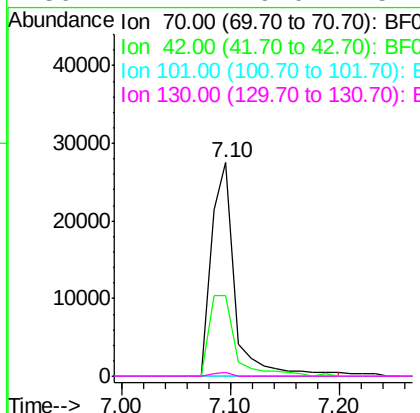




#19
n-Nitroso-di-n-propylamine
Concen: 18.14 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.11 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

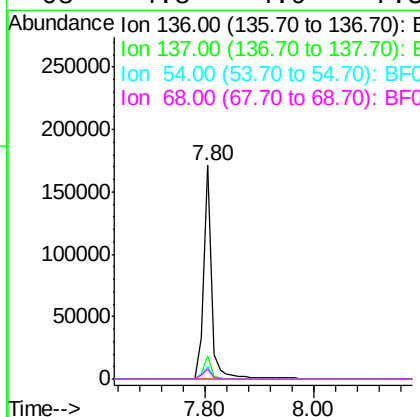
Instrument :
BNA_F
ClientSampleId :

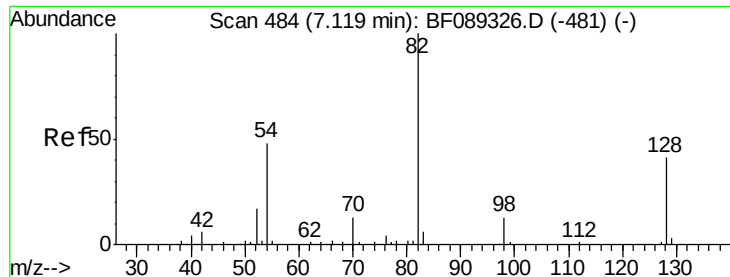
Tot Ion: 70 Resp: 41407
Ion Ratio Lower Upper
70 100
42 38.0 38.6 57.8#
101 0.0 8.3 12.5#
130 2.1 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion: 136 Resp: 173410
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 5.9 7.0 10.4#
68 4.8 4.9 7.3#

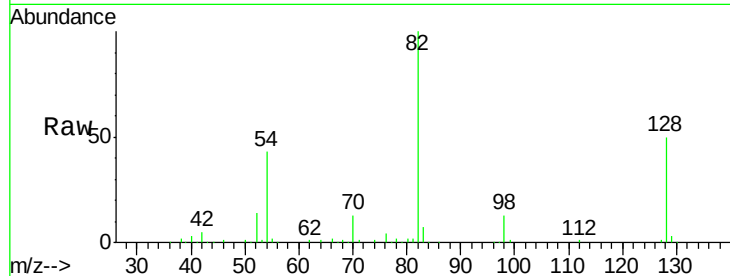




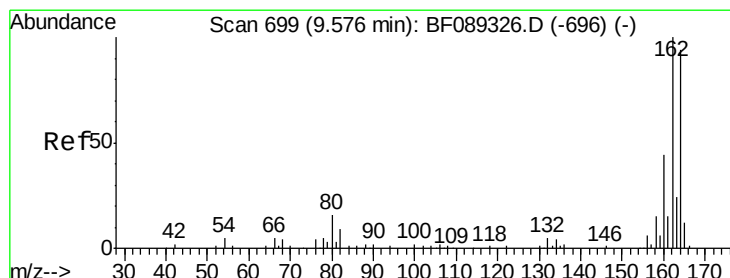
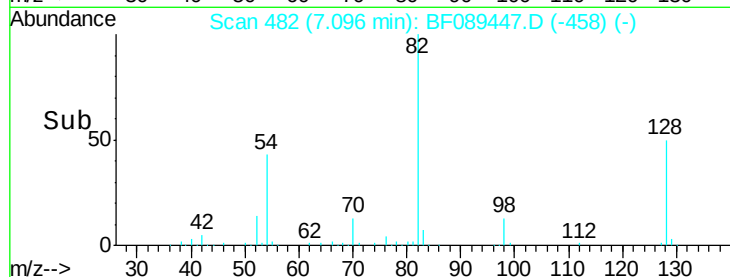
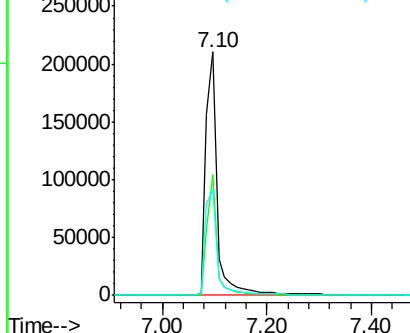
#23
 Nitrobenzene-d5
 Concen: 108.98 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: BF089447.D
 Acq: 30 Jul 2016 10:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 320182
 Ion Ratio Lower Upper
 82 100
 128 49.7 32.5 48.7#
 54 43.1 38.8 58.2

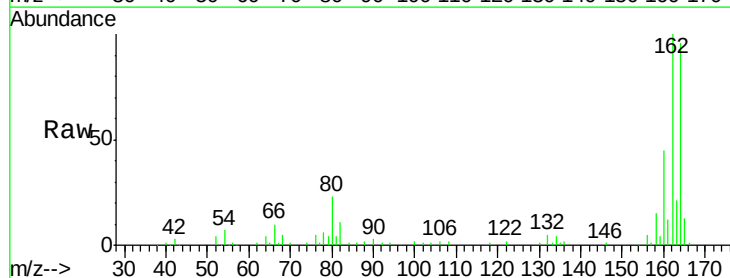


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

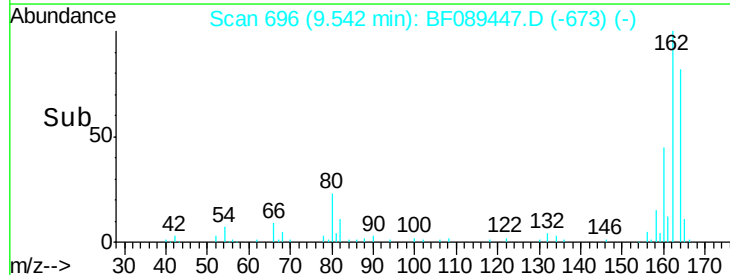
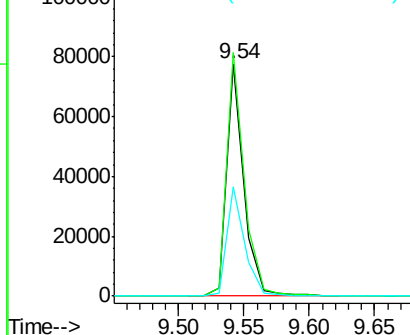


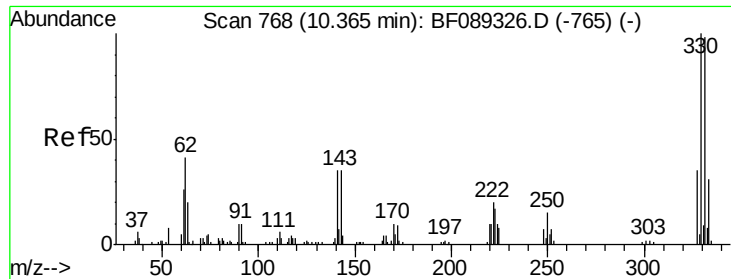
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.03 min
 Lab File: BF089447.D
 Acq: 30 Jul 2016 10:09

Tgt Ion:164 Resp: 71102
 Ion Ratio Lower Upper
 164 100
 162 104.6 83.7 125.5
 160 46.8 37.8 56.6



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

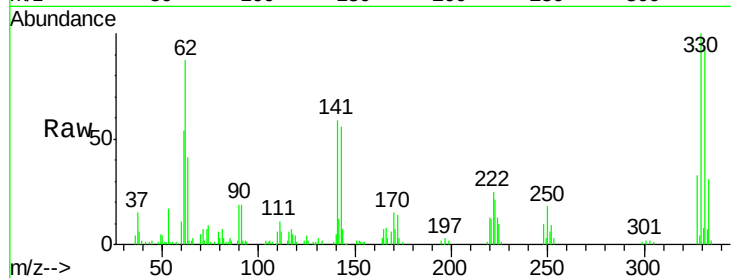




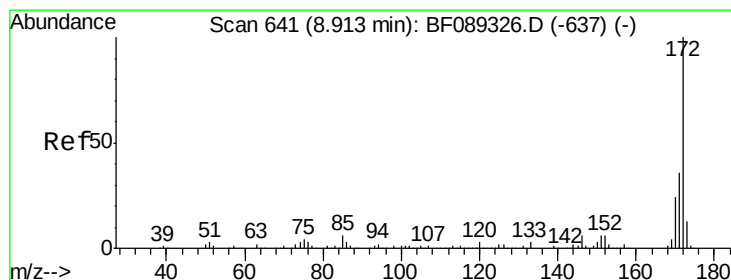
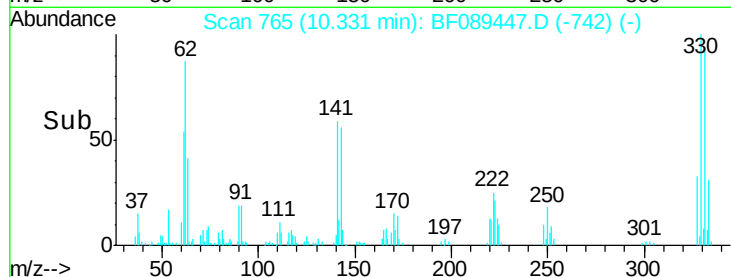
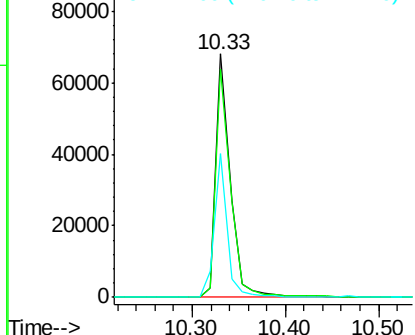
#41
 2,4,6-Tribromophenol
 Concen: 124.61 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.03 min
 Lab File: BF089447.D
 Acq: 30 Jul 2016 10:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 73383
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.8 115.2
 141 52.3 37.3 55.9

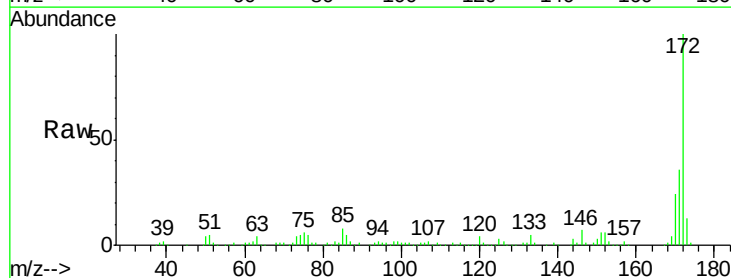


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

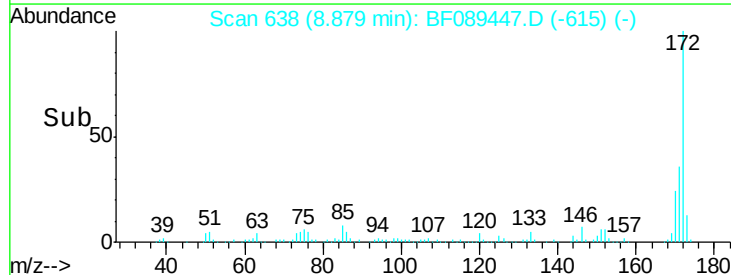
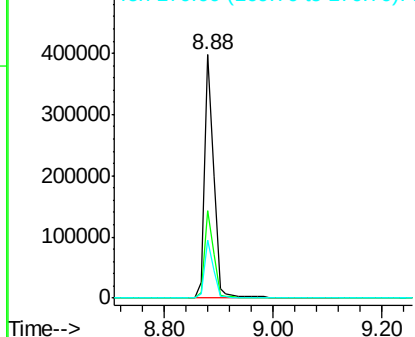


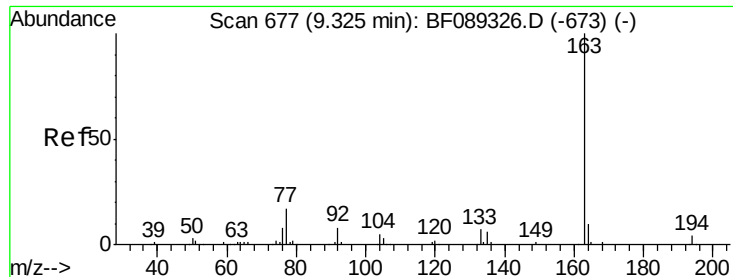
#44
 2-Fluorobiphenyl
 Concen: 95.74 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.03 min
 Lab File: BF089447.D
 Acq: 30 Jul 2016 10:09

Tgt Ion:172 Resp: 463867
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.2 43.8
 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

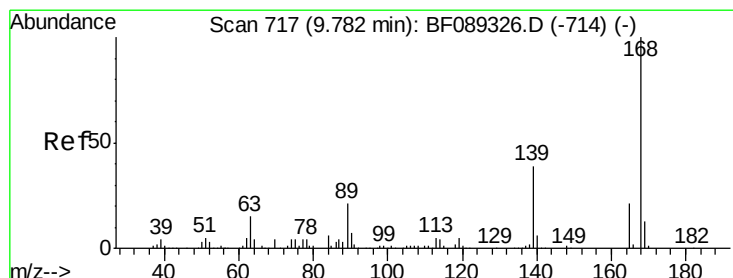
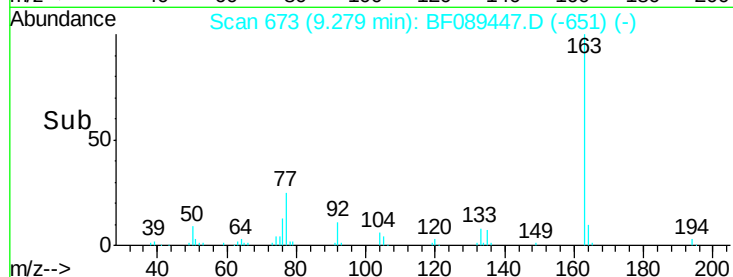
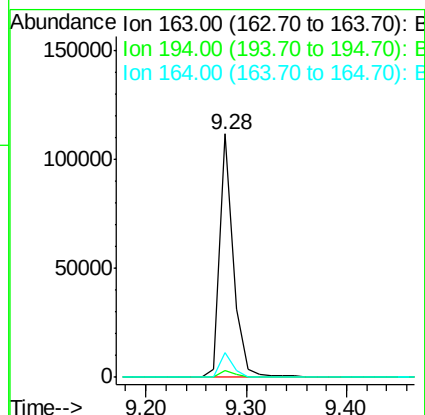
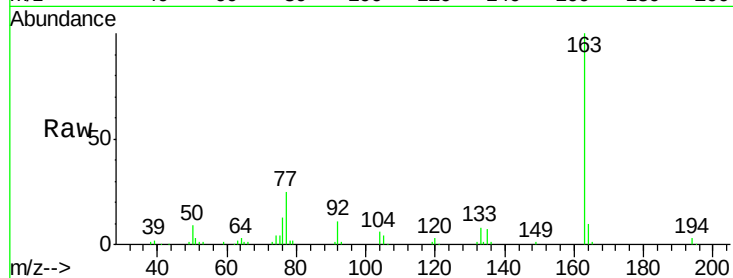




#49
Dimethylphthalate
Concen: 19.66 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

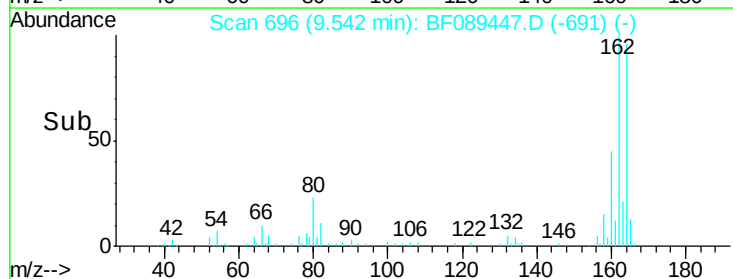
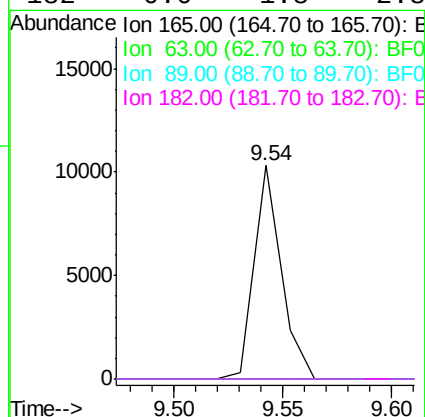
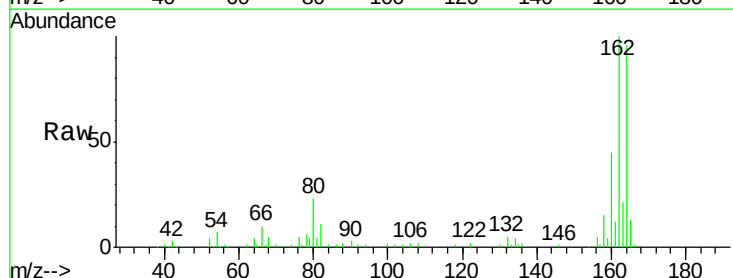
Instrument :
BNA_F
ClientSampled :

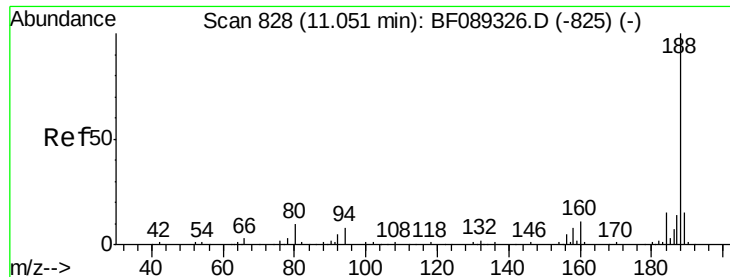
Tot Ion:163 Resp: 106411
Ion Ratio Lower Upper
163 100
194 2.9 2.8 4.2
164 10.1 7.8 11.8



#56
2,4-Dinitrotoluene
Concen: 6.08 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.24 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:165 Resp: 8904
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.2#
89 0.0 79.1 118.7#
182 0.0 1.8 2.8#

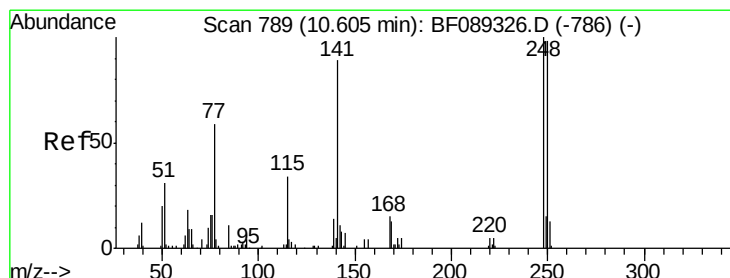
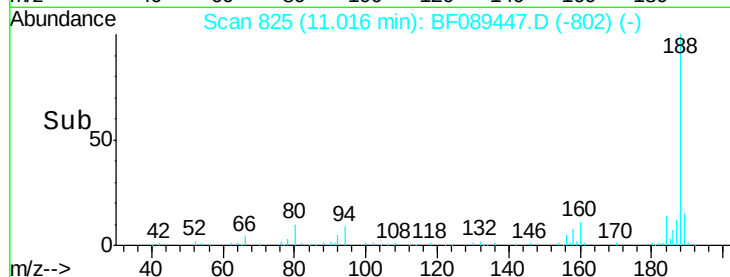
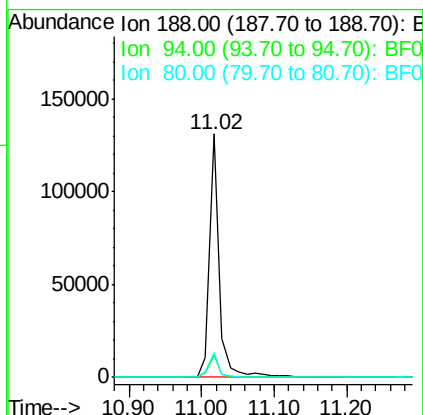
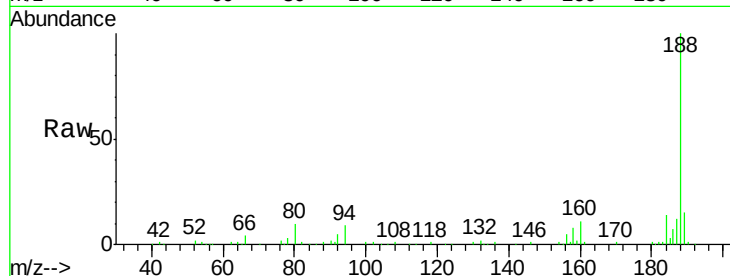




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

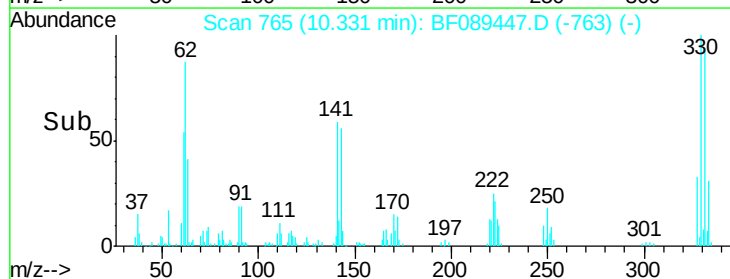
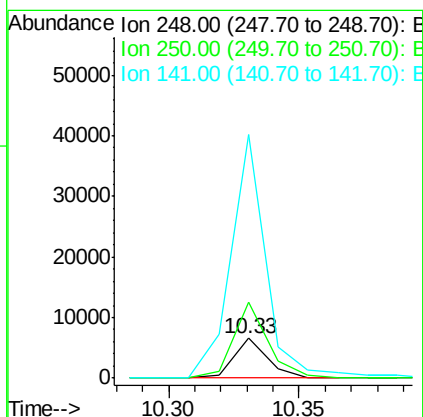
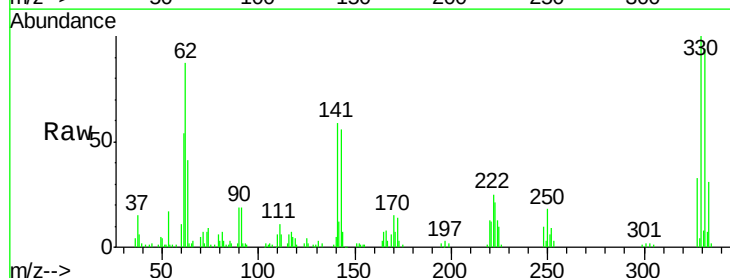
Instrument :
BNA_F
ClientSampleId :

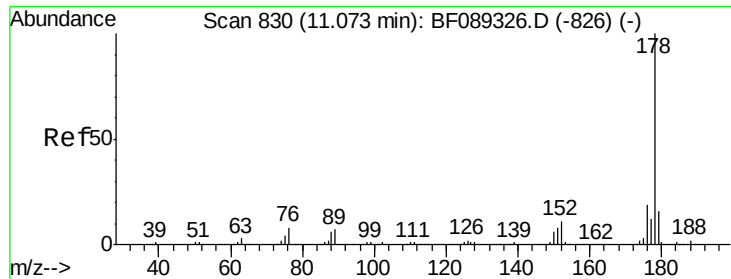
Tot Ion:188 Resp: 123676
Ion Ratio Lower Upper
188 100
94 9.1 6.5 9.7
80 10.3 7.2 10.8



#66
4-Bromophenyl-phenylether
Concen: 4.93 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.27 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:248 Resp: 5818
Ion Ratio Lower Upper
248 100
250 190.7 78.2 117.2#
141 616.6 62.0 93.0#

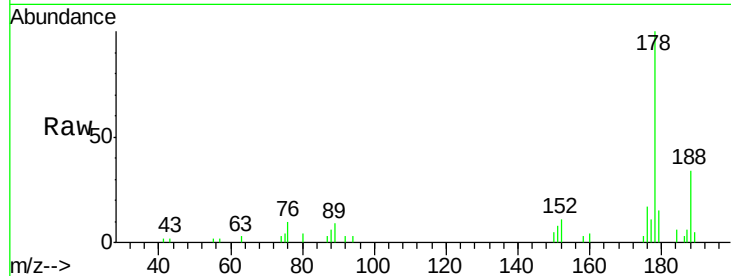




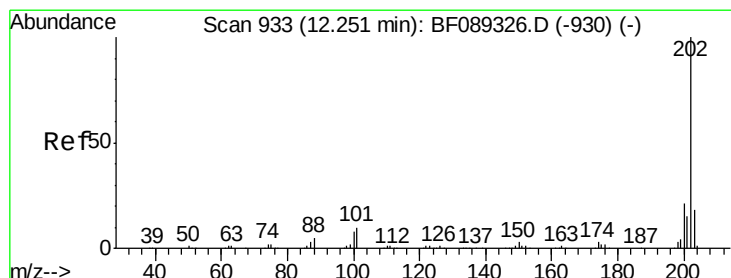
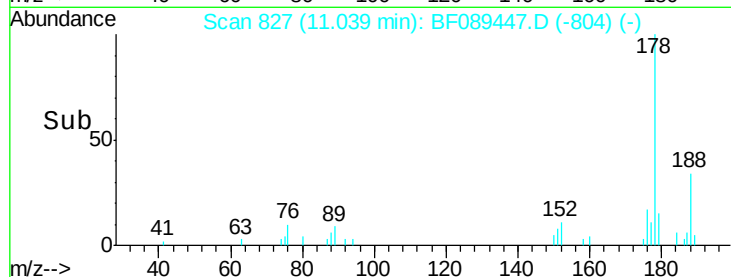
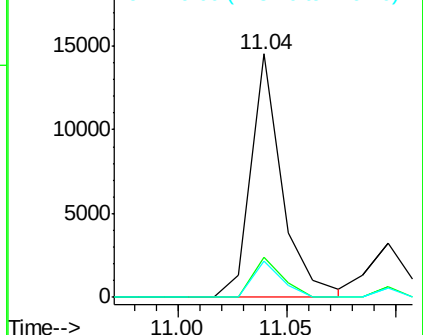
#70
Phenanthrene
Concen: 2.28 ng
RT: 11.04 min Scan# 827
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 14538
Ion Ratio Lower Upper
178 100
176 16.7 15.5 23.3
179 15.1 12.3 18.5

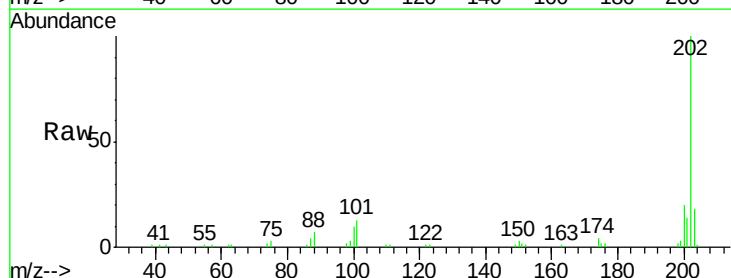


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

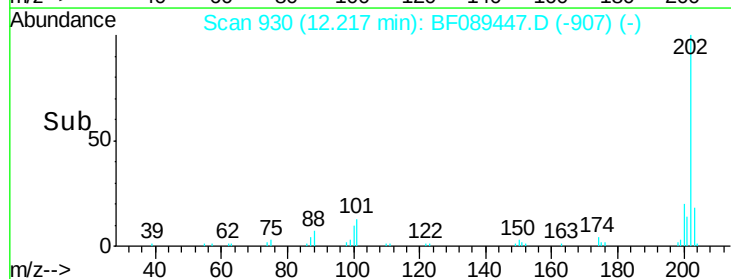
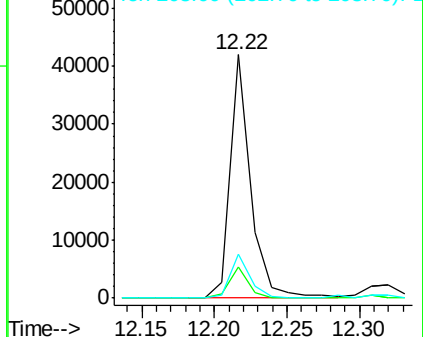


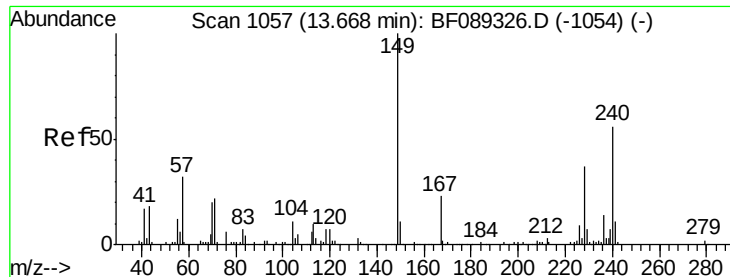
#74
Fluoranthene
Concen: 6.17 ng
RT: 12.22 min Scan# 930
Delta R.T. -0.03 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:202 Resp: 41412
Ion Ratio Lower Upper
202 100
101 12.6 0.0 29.9
203 17.9 0.0 37.3



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: 13.63 min Scan# 1054

Delta R.T. -0.03 min

Lab File: BF089447.D

Acq: 30 Jul 2016 10:09

Instrument :

BNA_F

ClientSampleId :

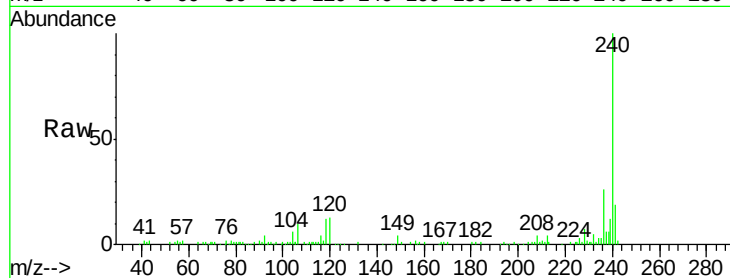
Tot Ion:240 Resp: 104558

Ion Ratio Lower Upper

240 100

120 12.7 9.1 13.7

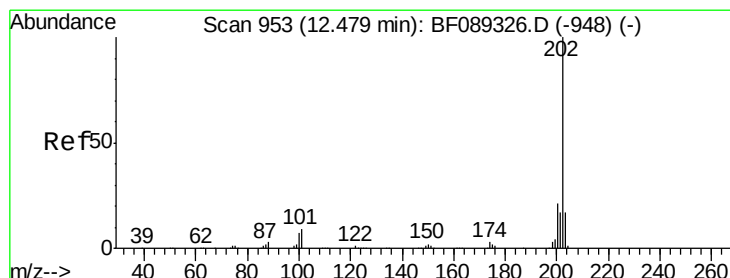
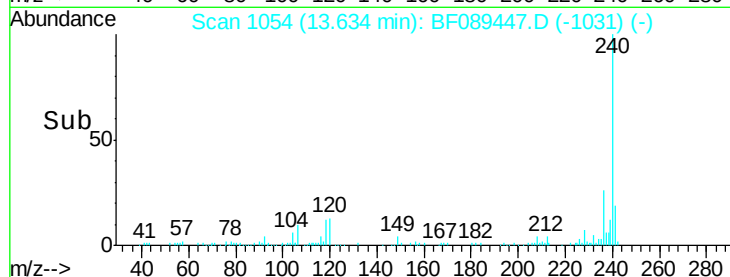
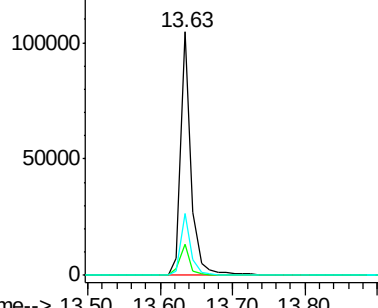
236 25.5 20.6 30.8



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: 3.74 ng

RT: 12.45 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF089447.D

Acq: 30 Jul 2016 10:09

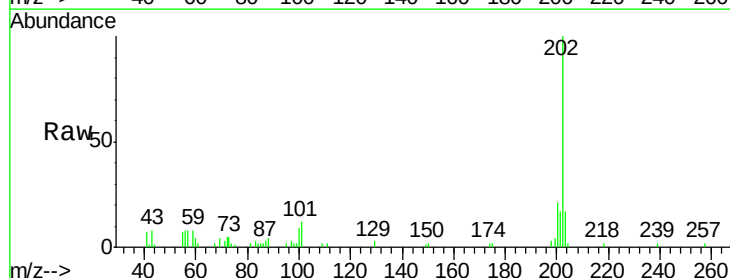
Tgt Ion:202 Resp: 29663

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

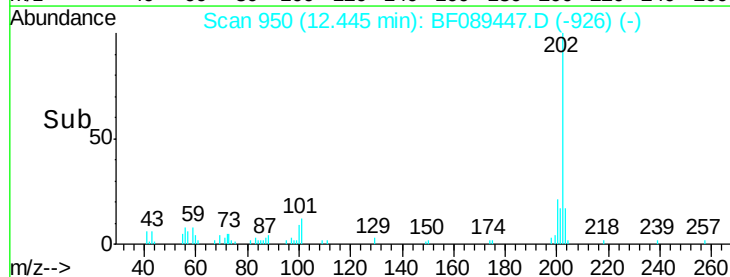
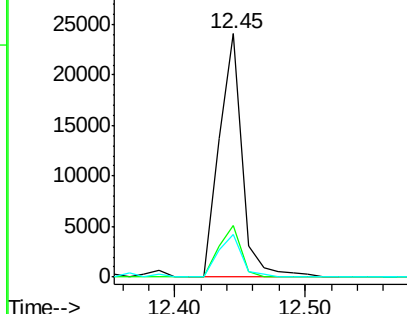
203 17.3 14.0 21.0

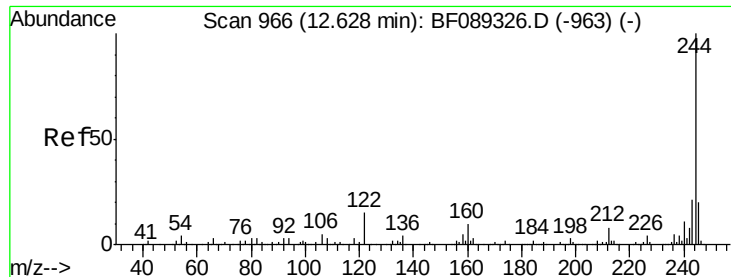


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

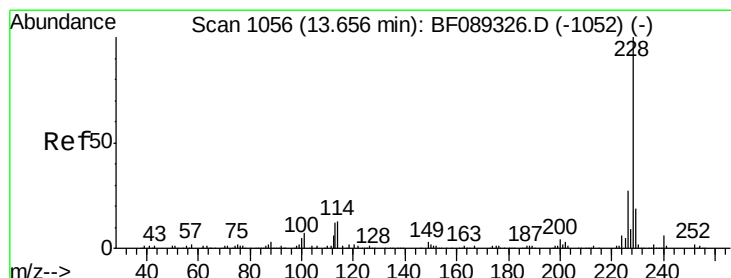
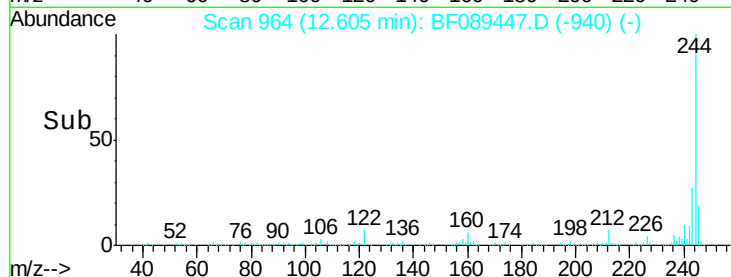
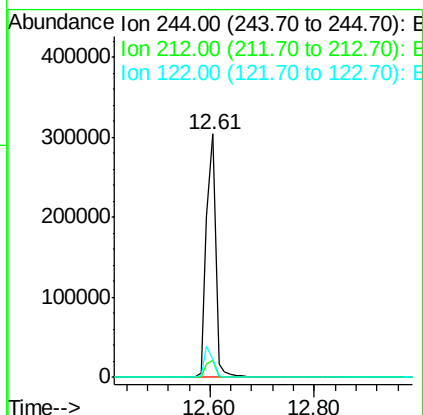
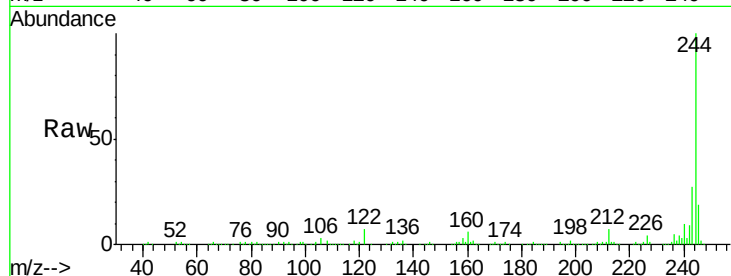




#78
 Terphenyl-d14
 Concen: 84.40 ng
 RT: 12.61 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089447.D
 Acq: 30 Jul 2016 10:09

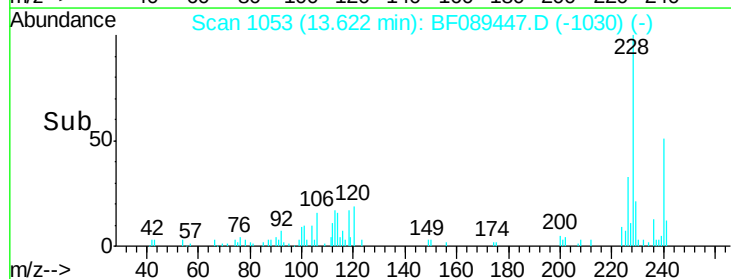
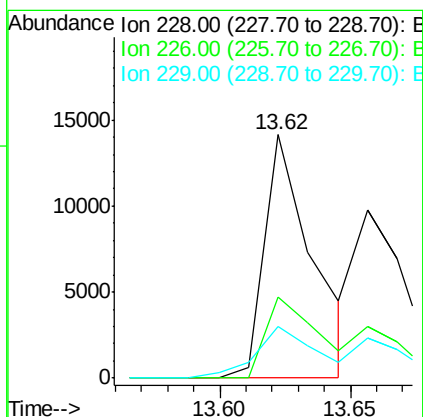
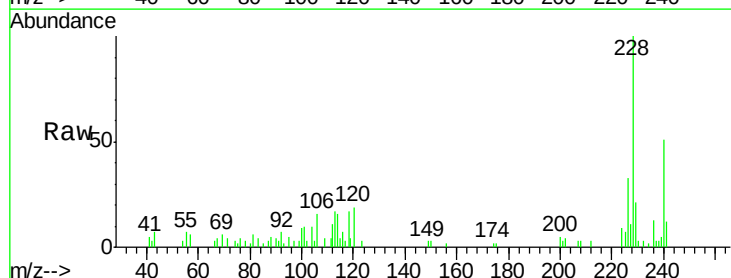
Instrument :
 BNA_F
 ClientSampleId :

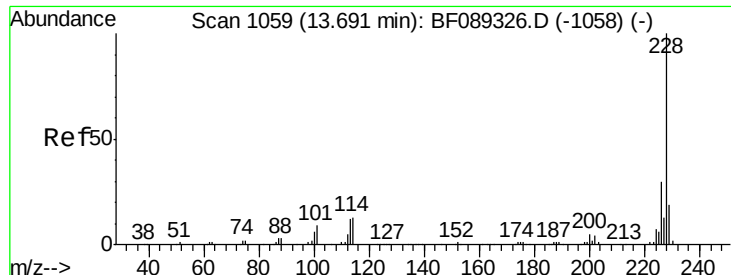
Tot Ion:244 Resp: 377056
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 7.5 11.4 17.0#



#80
 Benzo(a)anthracene
 Concen: 3.09 ng
 RT: 13.62 min Scan# 1053
 Delta R.T. -0.03 min
 Lab File: BF089447.D
 Acq: 30 Jul 2016 10:09

Tgt Ion:228 Resp: 18215
 Ion Ratio Lower Upper
 228 100
 226 33.3 21.4 32.2#
 229 21.1 15.9 23.9





#82

Chrysene

Concen: 2.90 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.07 min

Lab File: BF089447.D

Acq: 30 Jul 2016 10:09

Instrument :

BNA_F

ClientSampleId :

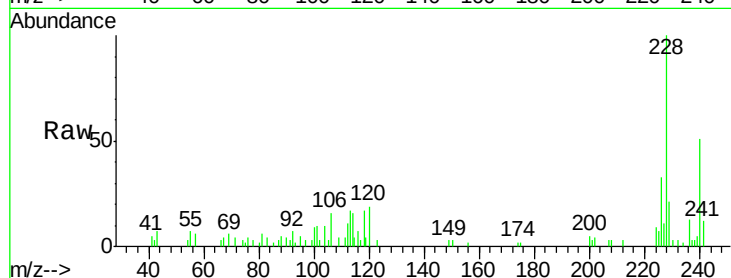
Tot Ion:228 Resp: 18215

Ion Ratio Lower Upper

228 100

226 33.3 24.2 36.2

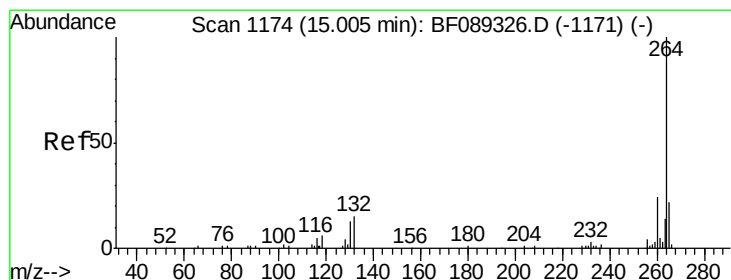
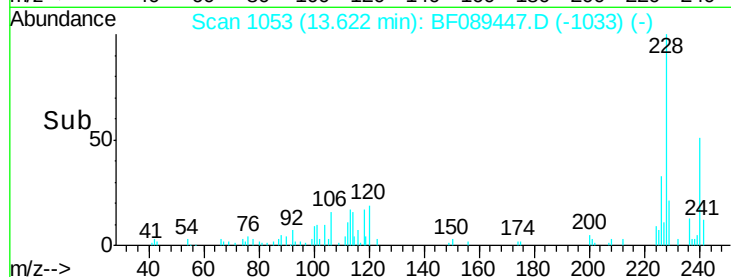
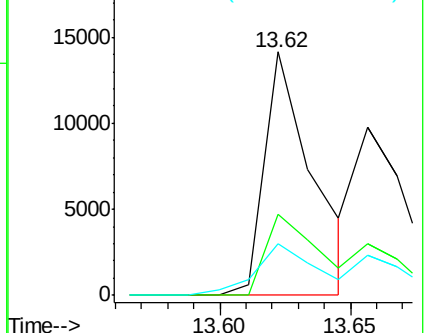
229 21.1 15.9 23.9



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: 14.97 min Scan# 1171

Delta R.T. -0.03 min

Lab File: BF089447.D

Acq: 30 Jul 2016 10:09

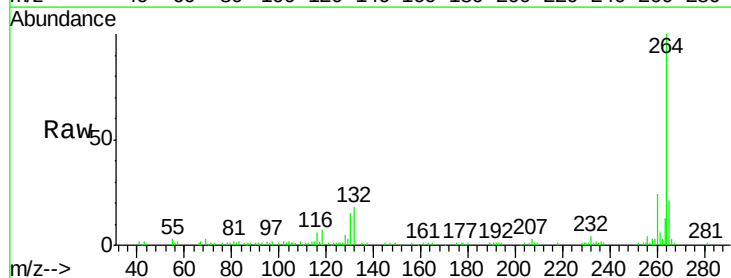
Tgt Ion:264 Resp: 77572

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

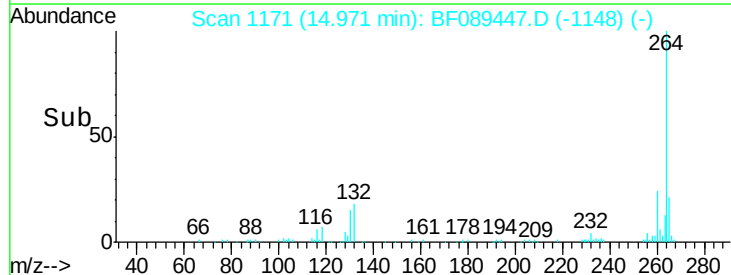
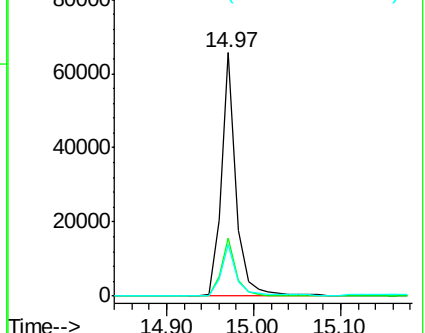
265 21.4 17.5 26.3

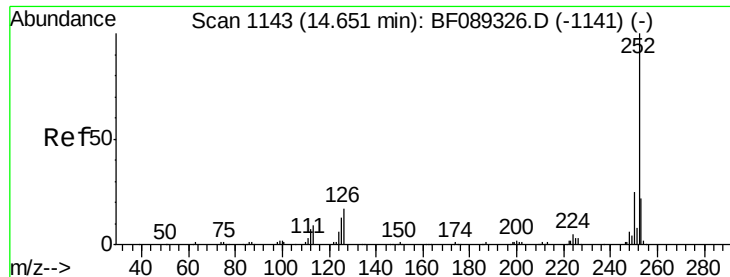


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

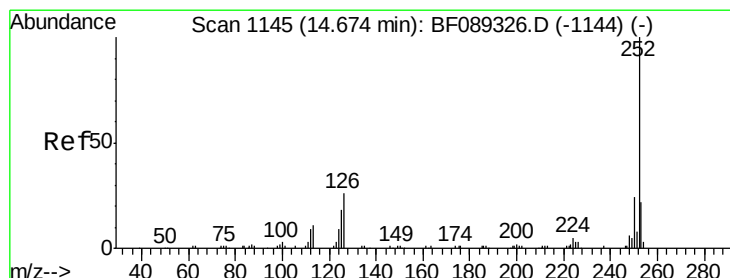
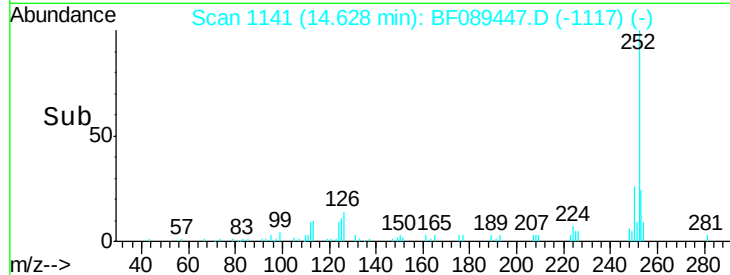
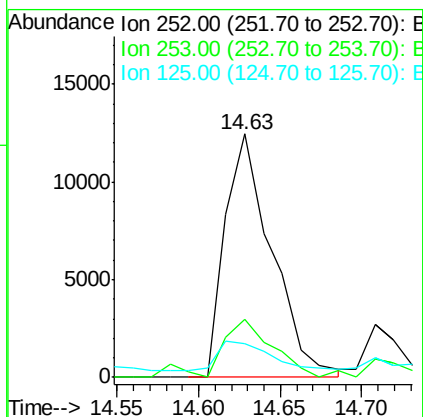
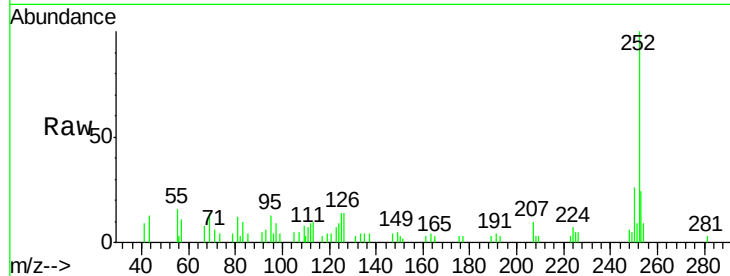




#87
Benzo(b)fluoranthene
Concen: 5.11 ng
RT: 14.63 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

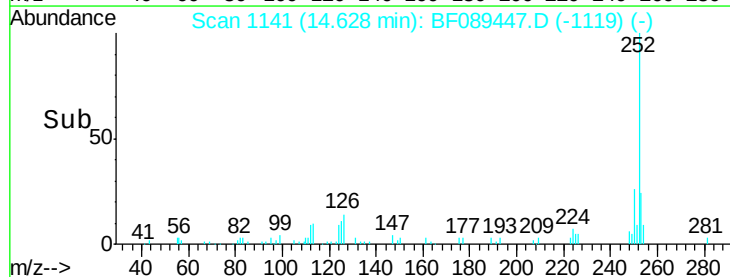
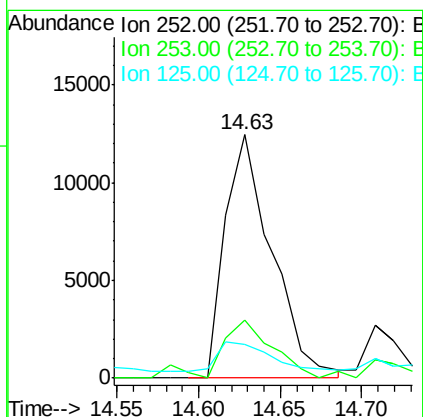
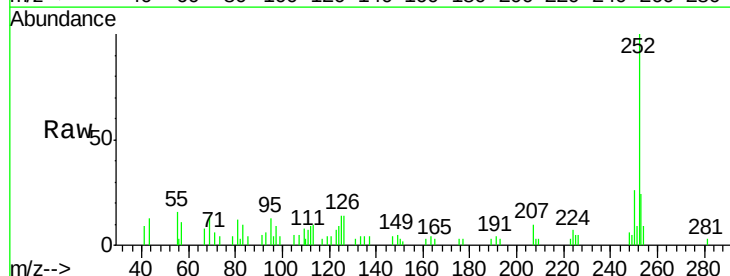
Instrument :
BNA_F
ClientSampleId :

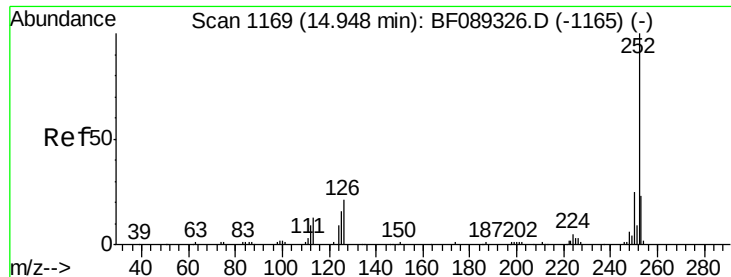
Tot Ion:252 Resp: 24601
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 14.1 9.7 14.5



#88
Benzo(k)fluoranthene
Concen: 5.55 ng
RT: 14.63 min Scan# 1141
Delta R.T. -0.05 min
Lab File: BF089447.D
Acq: 30 Jul 2016 10:09

Tgt Ion:252 Resp: 24601
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 14.1 10.7 16.1





#89

Benzo(a)pyrene

Concen: 2.46 ng

RT: 14.93 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF089447.D

Acq: 30 Jul 2016 10:09

Instrument :

BNA_F

ClientSampleId :

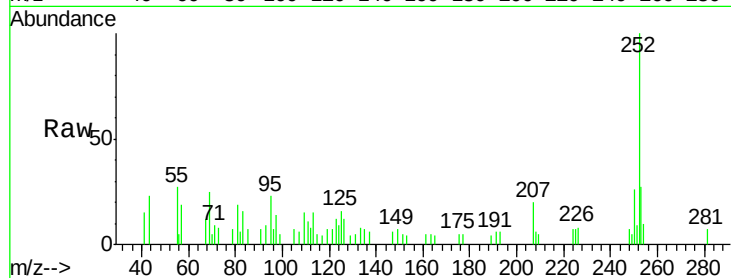
Tot Ion:252 Resp: 10646

Ion Ratio Lower Upper

252 100

253 27.3 17.4 26.2#

125 16.0 12.4 18.6



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

