

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089476.D
 Acq On : 31 Jul 2016 17:49
 Operator : UM/SJ
 Sample : H4257-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 01:15:07 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

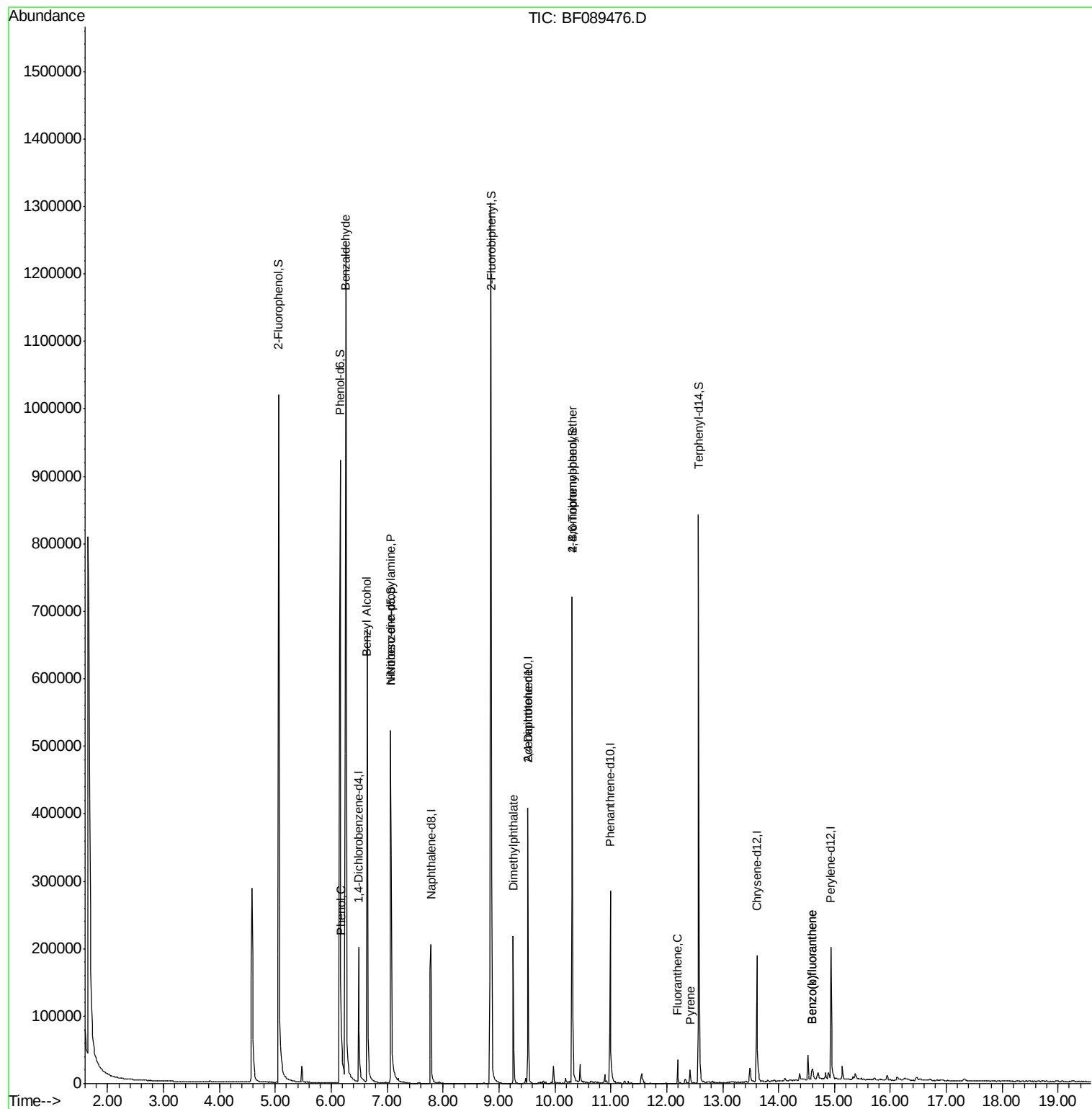
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	41824	20.00	ng	-0.06
21) Naphthalene-d8	7.78	136	161948	20.00	ng	-0.05
38) Acenaphthene-d10	9.52	164	77534	20.00	ng	-0.06
63) Phenanthrene-d10	10.99	188	129014	20.00	ng	-0.06
75) Chrysene-d12	13.61	240	75872	20.00	ng	-0.06
86) Perylene-d12	14.94	264	83161	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	353928	135.12	ng	-0.05
7) Phenol-d6	6.16	99	502220	145.08	ng	-0.05
23) Nitrobenzene-d5	7.06	82	278367	101.46	ng	-0.06
41) 2,4,6-Tribromophenol	10.31	330	84991	132.35	ng	-0.06
44) 2-Fluorobiphenyl	8.86	172	439521	83.19	ng	-0.06
78) Terphenyl-d14	12.57	244	268541	82.84	ng	-0.06
Target Compounds						Qvalue
9) Benzaldehyde	6.26	77	9347	5.53	ng	83
10) Phenol	6.17	94	9548	2.50	ng	83
15) Benzyl Alcohol	6.64	79	4621	2.15	ng	# 51
19) n-Nitroso-di-n-propylamine	7.06	70	36236	17.36	ng	# 84
49) Dimethylphthalate	9.26	163	88517	15.00	ng	99
56) 2,4-Dinitrotoluene	9.52	165	9509	5.96	ng	# 7
66) 4-Bromophenyl-phenylether	10.31	248	6531	5.30	ng	# 1
74) Fluoranthene	12.19	202	17880	2.55	ng	98
77) Pyrene	12.42	202	12957	2.25	ng	98
87) Benzo(b)fluoranthene	14.61	252	14067	2.72	ng	95
88) Benzo(k)fluoranthene	14.61	252	14067	2.96	ng	97

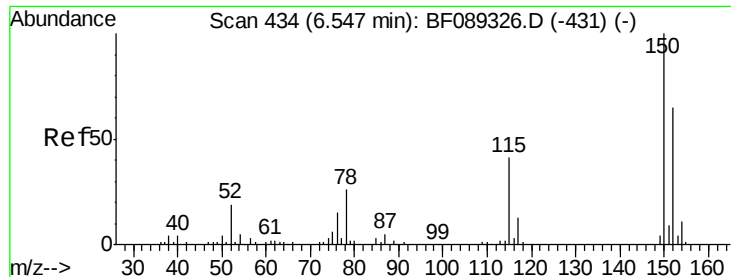
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.06 min

Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

Instrument :

BNA_F

ClientSampleId :

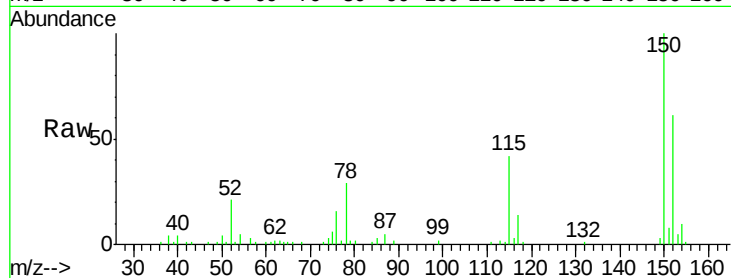
Tot Ion:152 Resp: 41824

Ion Ratio Lower Upper

152 100

150 162.8 129.5 194.3

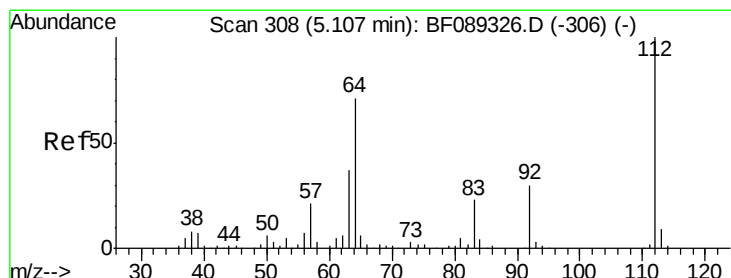
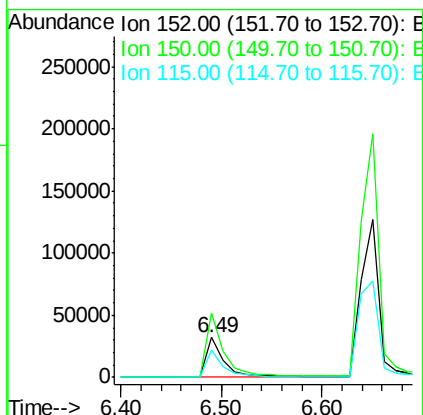
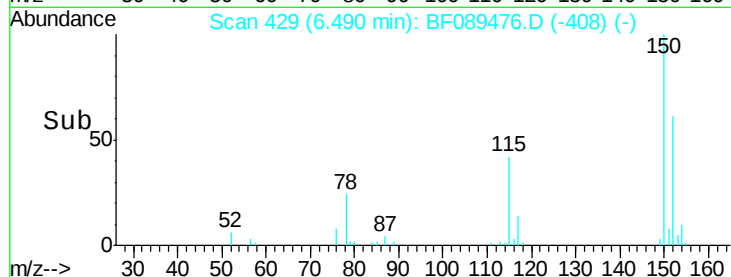
115 68.6 51.4 77.2



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



#5

2-Fluorophenol

Concen: 135.12 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.05 min

Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

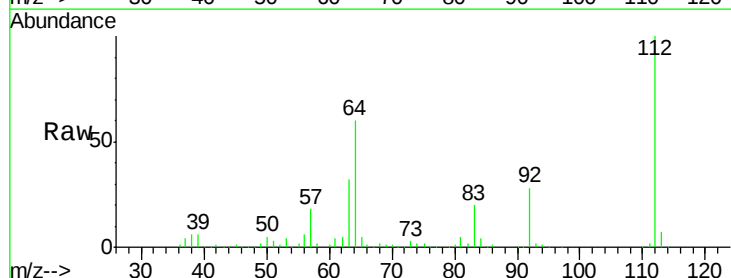
Tgt Ion:112 Resp: 353928

Ion Ratio Lower Upper

112 100

64 59.7 55.0 82.6

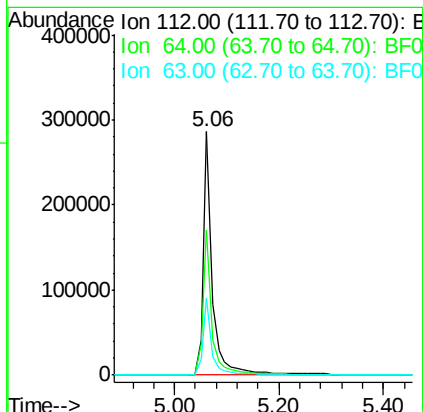
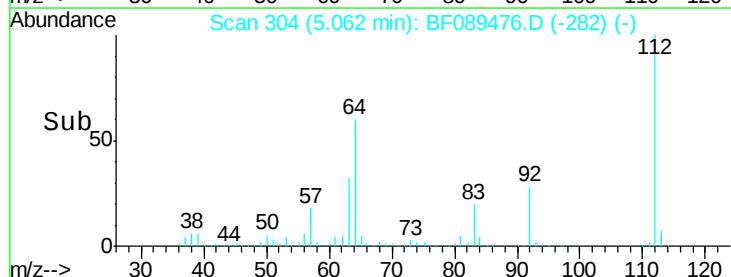
63 32.0 29.4 44.2



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: 145.08 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.05 min

Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

Instrument :

BNA_F

ClientSampleId :

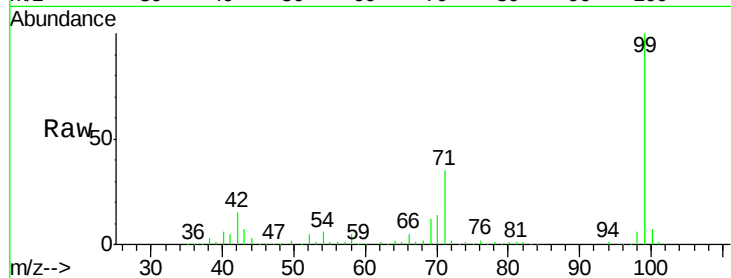
Tot Ion: 99 Resp: 502220

Ion Ratio Lower Upper

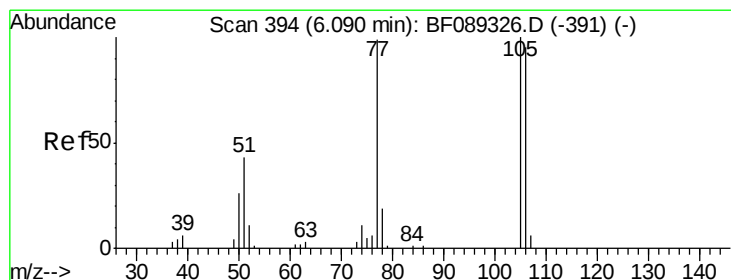
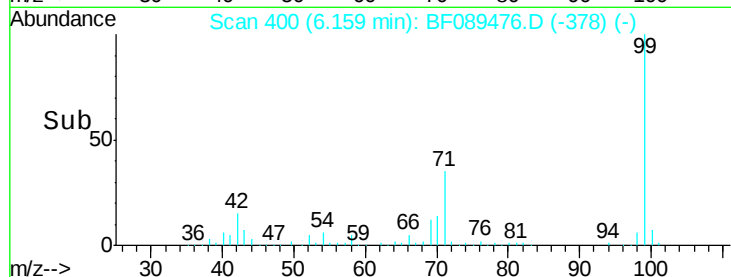
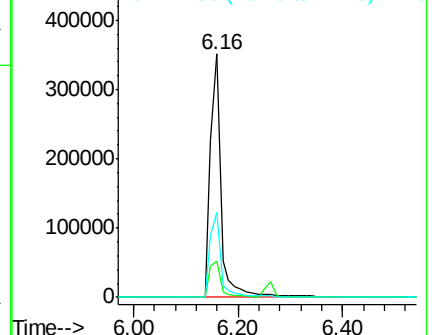
99 100

42 15.1 13.6 20.4

71 34.8 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



#9

Benzaldehyde

Concen: 5.53 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.17 min

Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

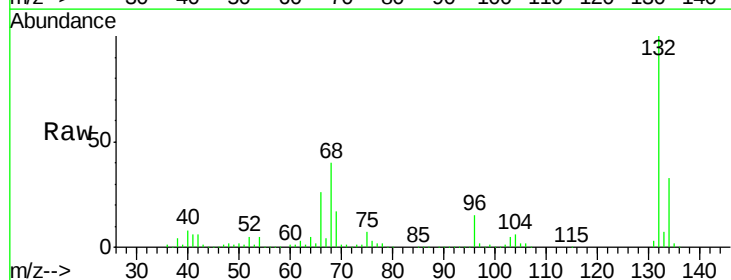
Tgt Ion: 77 Resp: 9347

Ion Ratio Lower Upper

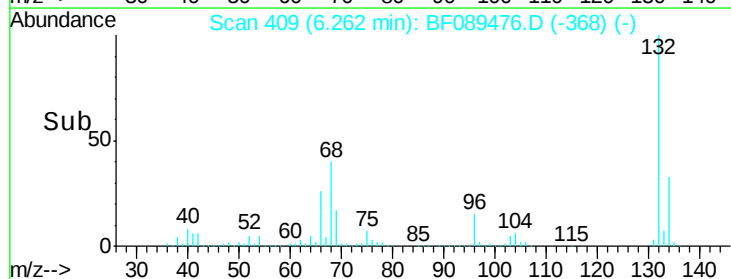
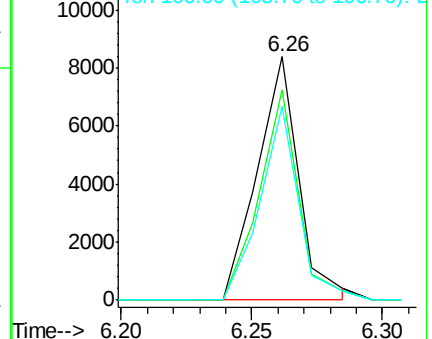
77 100

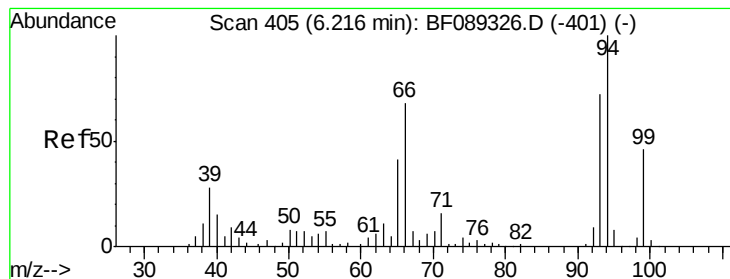
105 86.2 82.9 122.9

106 79.7 75.9 115.9



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





#10

Phenol

Concen: 2.50 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

Instrument :

BNA_F

ClientSampleId :

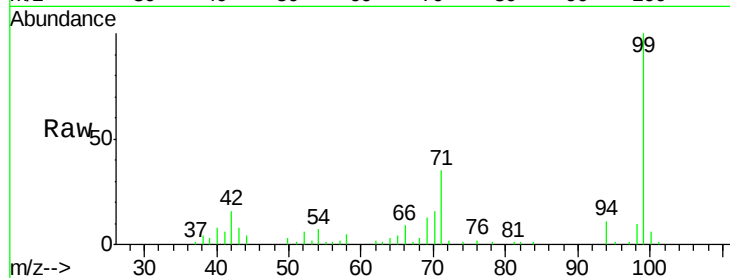
Tot Ion: 94 Resp: 9548

Ion Ratio Lower Upper

94 100

65 36.8 19.1 59.1

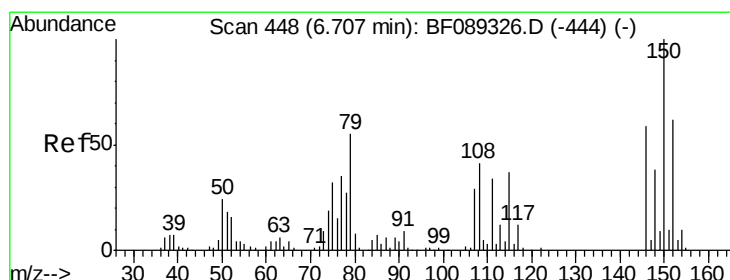
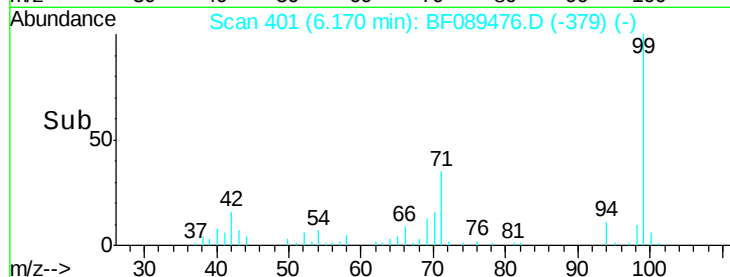
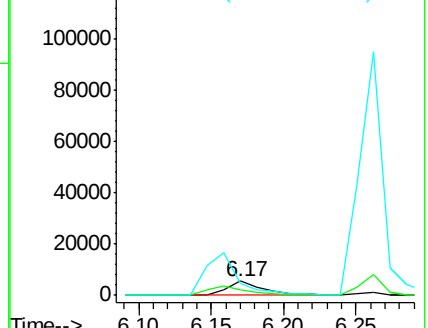
66 83.6 44.4 84.4



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: 2.15 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.07 min

Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

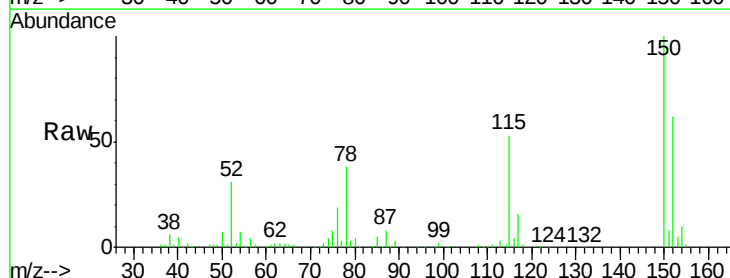
Tgt Ion: 79 Resp: 4621

Ion Ratio Lower Upper

79 100

108 23.2 59.8 89.6#

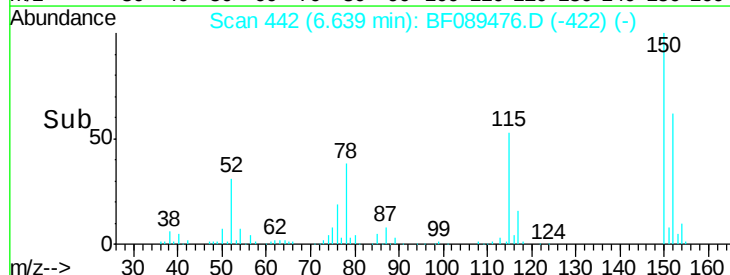
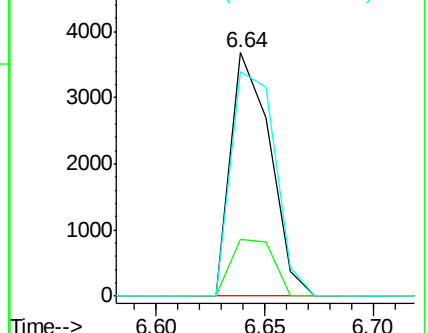
77 92.0 51.7 77.5#

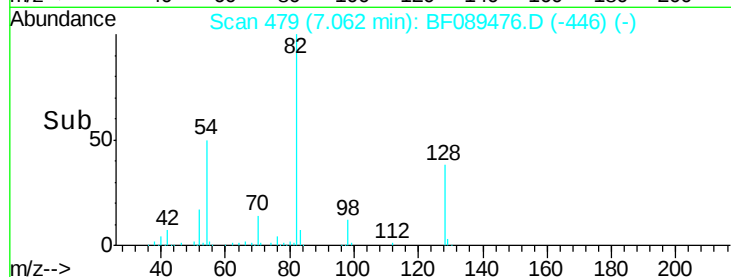
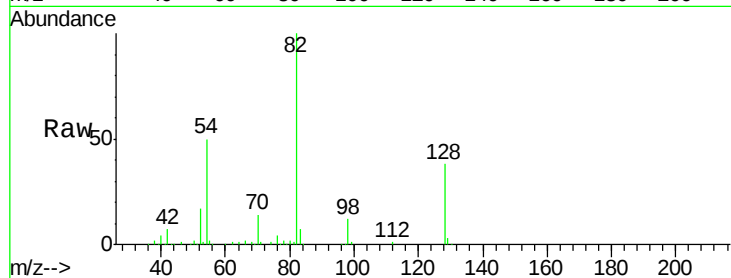
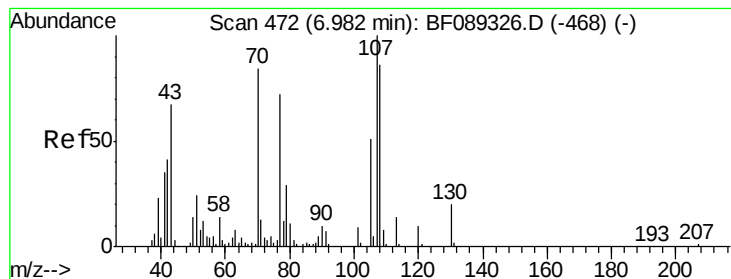


Abundance Ion 79.00 (78.70 to 79.70): BF0

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: 17.36 ng

RT: 7.06 min Scan# 479

Delta R.T. 0.08 min

Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 36236

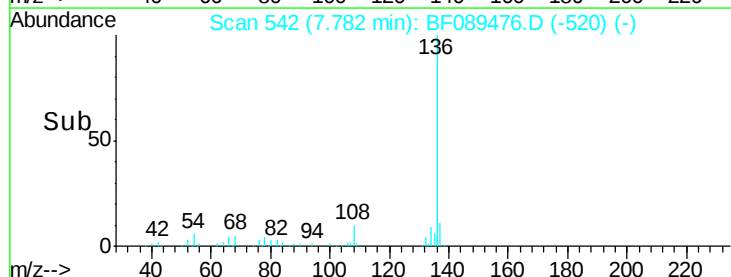
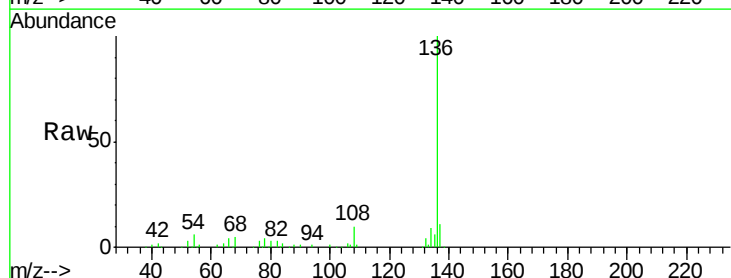
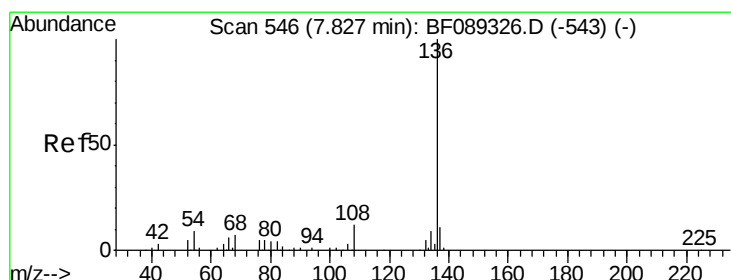
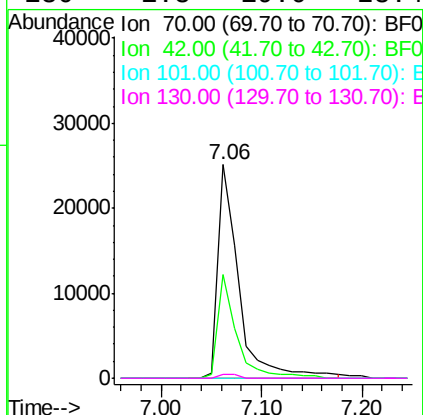
Ion Ratio Lower Upper

70 100

42 48.3 38.6 57.8

101 0.0 8.3 12.5#

130 1.8 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.05 min

Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

Tgt Ion: 136 Resp: 161948

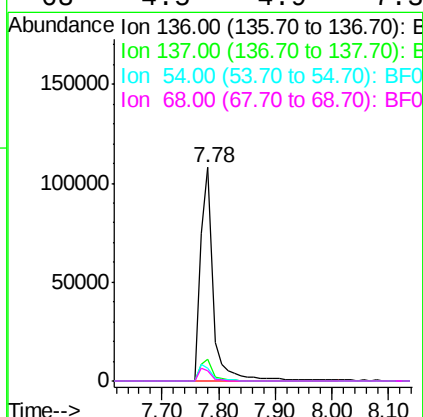
Ion Ratio Lower Upper

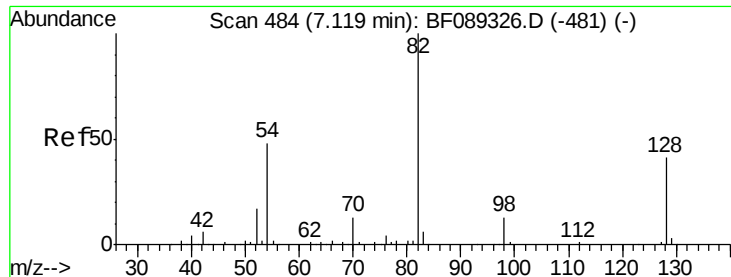
136 100

137 10.5 8.6 13.0

54 5.9 7.0 10.4#

68 4.5 4.9 7.3#

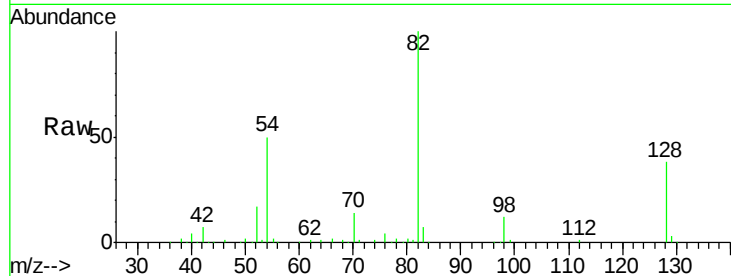




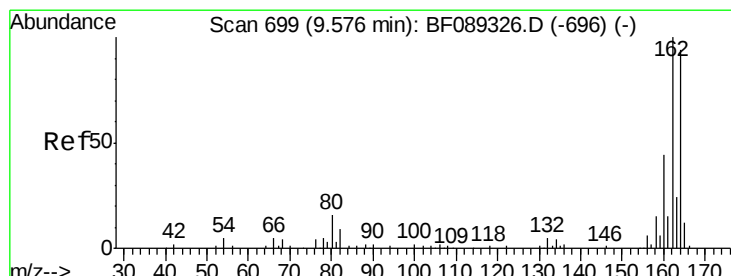
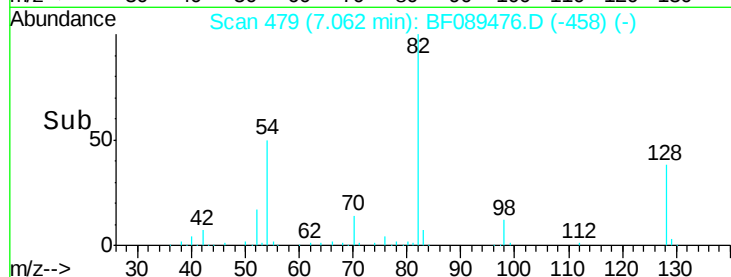
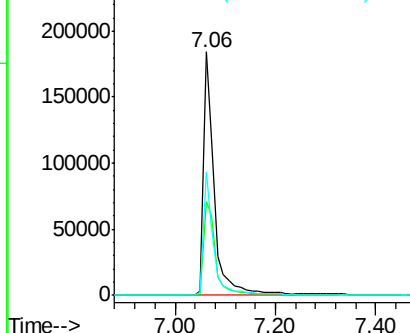
#23
 Nitrobenzene-d5
 Concen: 101.46 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.06 min
 Lab File: BF089476.D
 Acq: 31 Jul 2016 17:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 278367
 Ion Ratio Lower Upper
 82 100
 128 38.5 32.5 48.7
 54 50.4 38.8 58.2

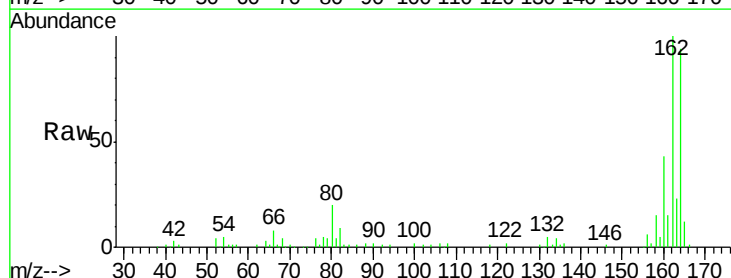


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

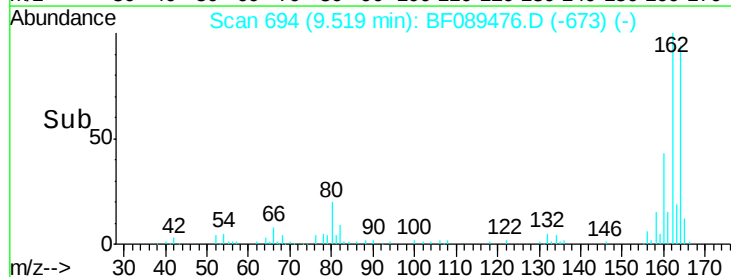
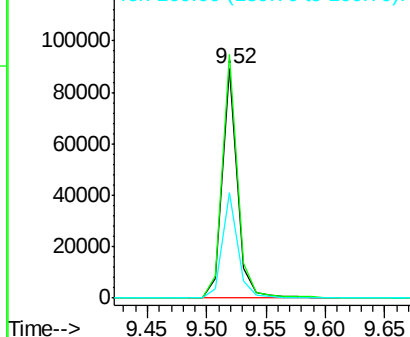


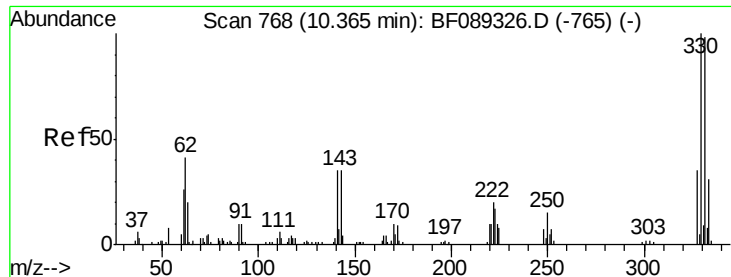
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.06 min
 Lab File: BF089476.D
 Acq: 31 Jul 2016 17:49

Tgt Ion:164 Resp: 77534
 Ion Ratio Lower Upper
 164 100
 162 106.3 83.7 125.5
 160 46.2 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

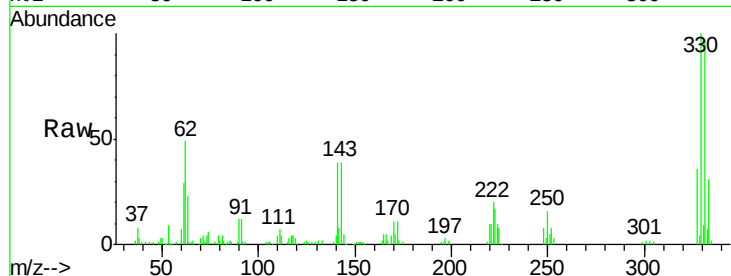




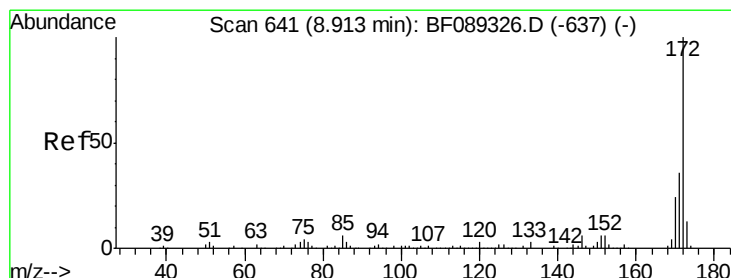
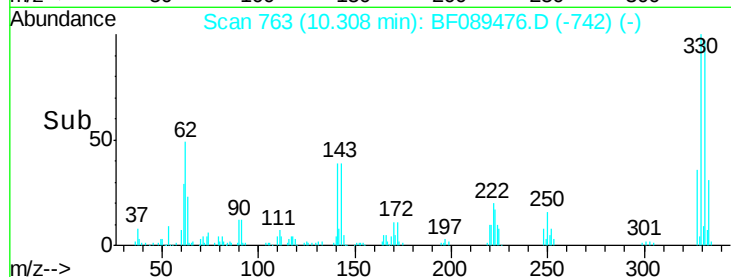
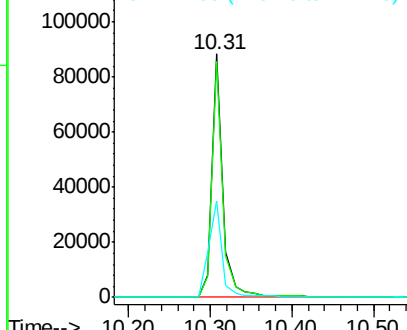
#41
 2,4,6-Tribromophenol
 Concen: 132.35 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.06 min
 Lab File: BF089476.D
 Acq: 31 Jul 2016 17:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 84991
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.8 115.2
 141 47.8 37.3 55.9

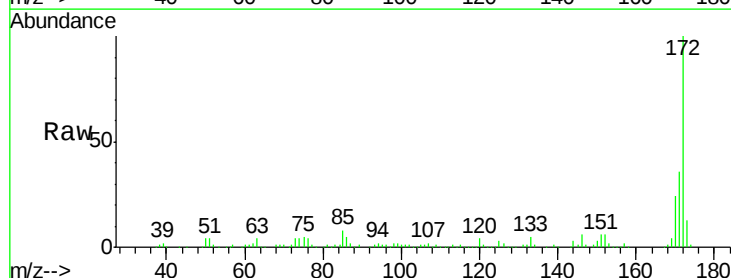


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

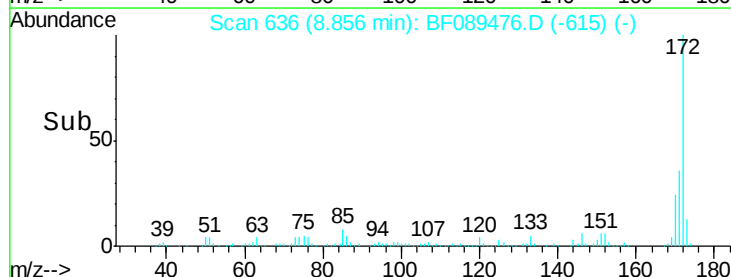
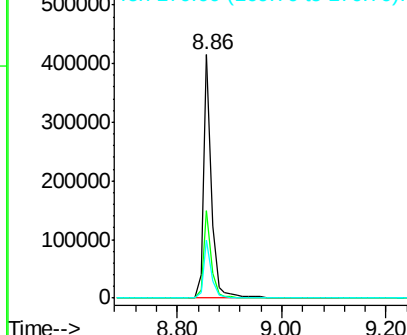


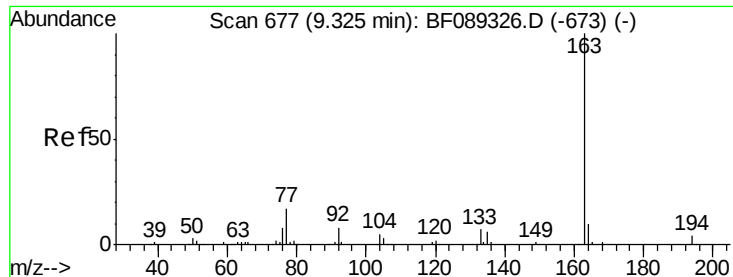
#44
 2-Fluorobiphenyl
 Concen: 83.19 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.06 min
 Lab File: BF089476.D
 Acq: 31 Jul 2016 17:49

Tgt Ion:172 Resp: 439521
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 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

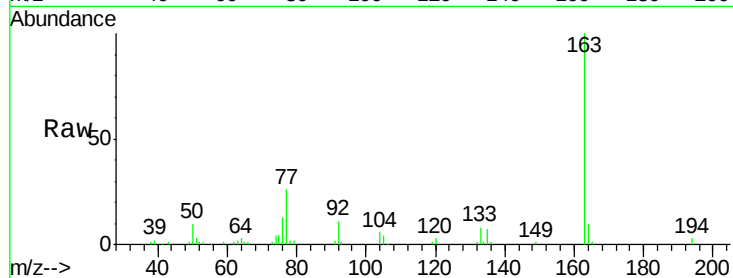




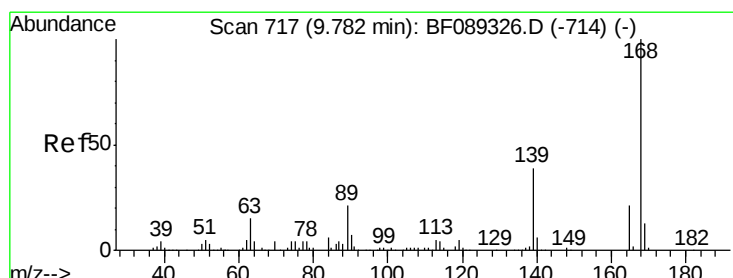
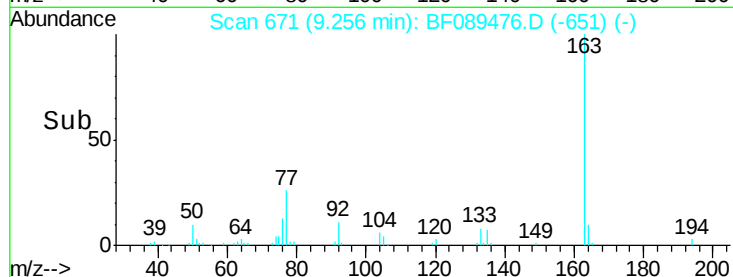
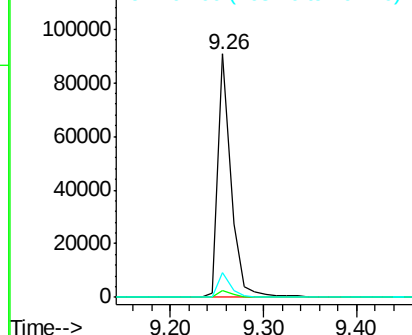
#49
Dimethylphthalate
Concen: 15.00 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.07 min
Lab File: BF089476.D
Acq: 31 Jul 2016 17:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 88517
Ion Ratio Lower Upper
163 100
194 2.9 2.8 4.2
164 10.3 7.8 11.8

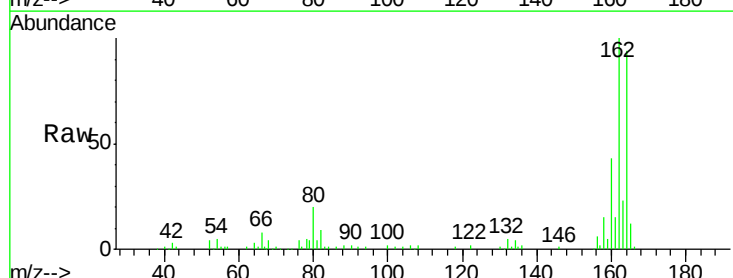


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

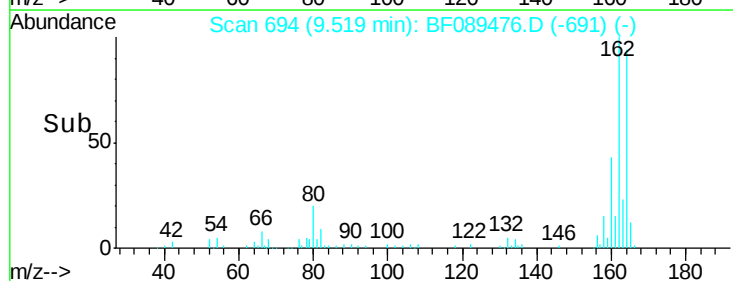
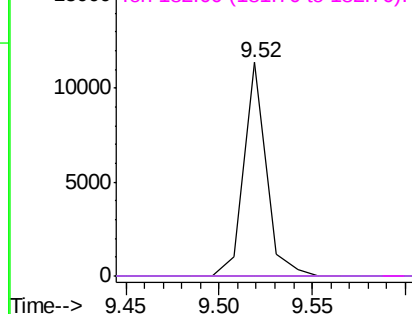


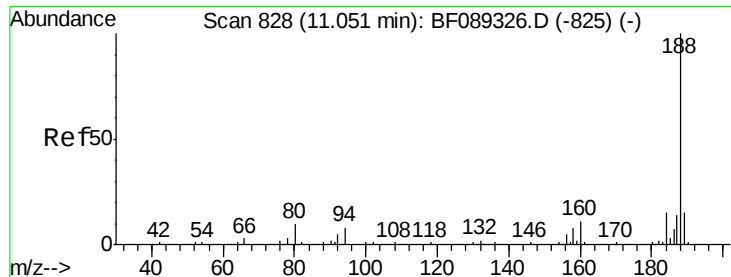
#56
2,4-Dinitrotoluene
Concen: 5.96 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.26 min
Lab File: BF089476.D
Acq: 31 Jul 2016 17:49

Tgt Ion:165 Resp: 9509
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#



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

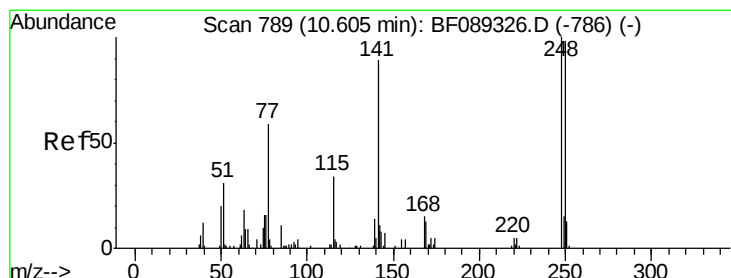
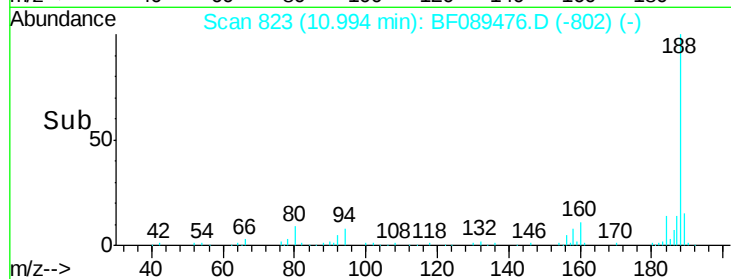
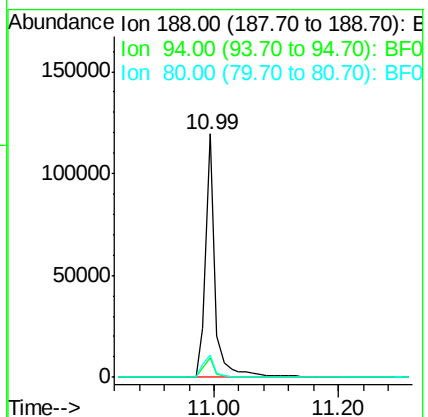
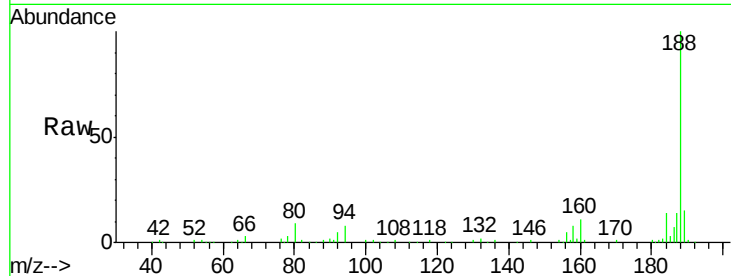




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.06 min
 Lab File: BF089476.D
 Acq: 31 Jul 2016 17:49

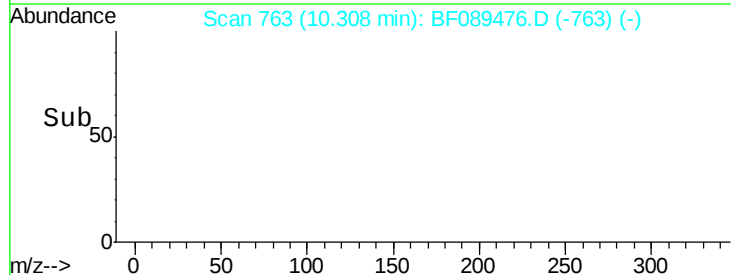
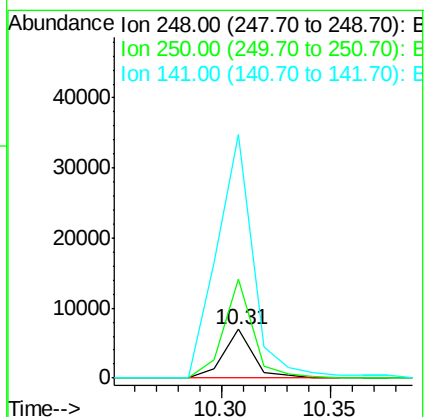
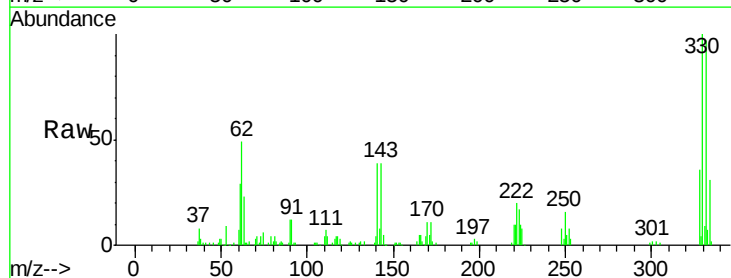
Instrument :
 BNA_F
 ClientSampleId :

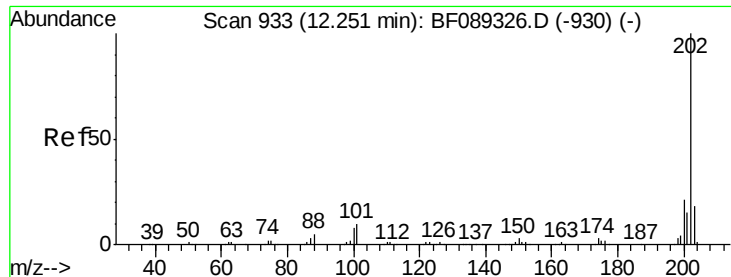
Tot Ion:188 Resp: 129014
 Ion Ratio Lower Upper
 188 100
 94 8.1 6.5 9.7
 80 8.9 7.2 10.8



#66
 4-Bromophenyl-phenylether
 Concen: 5.30 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.30 min
 Lab File: BF089476.D
 Acq: 31 Jul 2016 17:49

Tgt Ion:248 Resp: 6531
 Ion Ratio Lower Upper
 248 100
 250 200.9 78.2 117.2#
 141 497.0 62.0 93.0#





#74

Fluoranthene

Concen: 2.55 ng

RT: 12.19 min Scan# 928

Delta R.T. -0.06 min

Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

Instrument :

BNA_F

ClientSampleId :

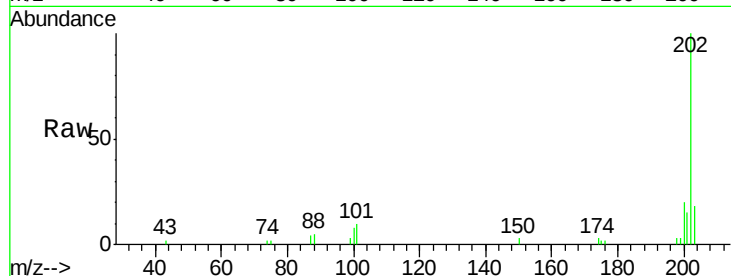
Tot Ion:202 Resp: 17880

Ion Ratio Lower Upper

202 100

101 10.2 0.0 29.9

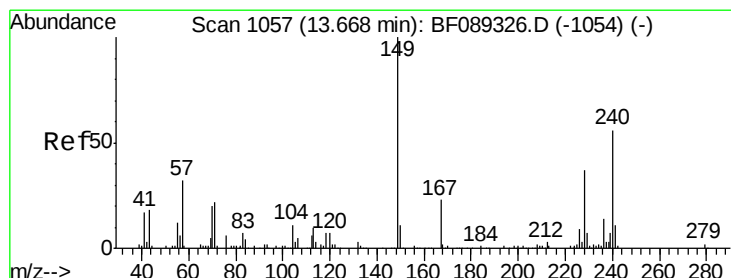
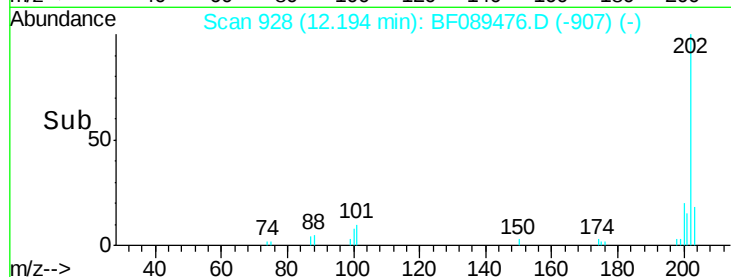
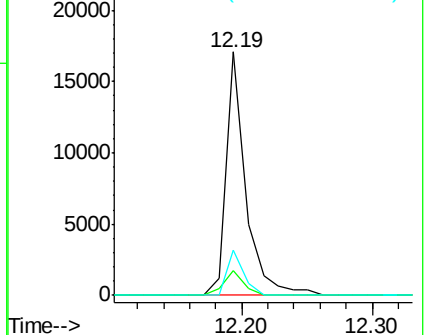
203 18.5 0.0 37.3



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: 13.61 min Scan# 1052

Delta R.T. -0.06 min

Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

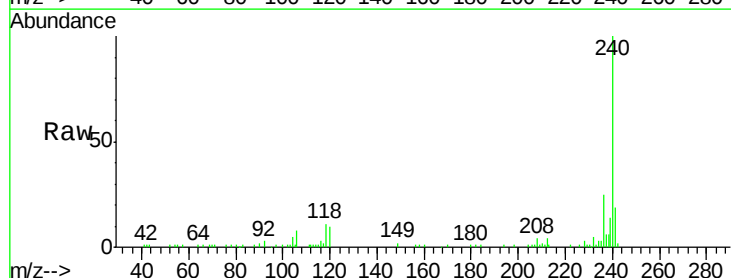
Tgt Ion:240 Resp: 75872

Ion Ratio Lower Upper

240 100

120 10.0 9.1 13.7

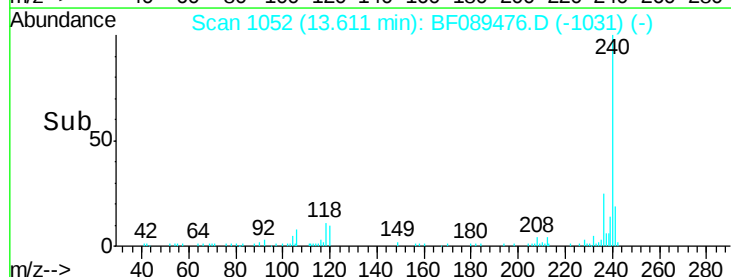
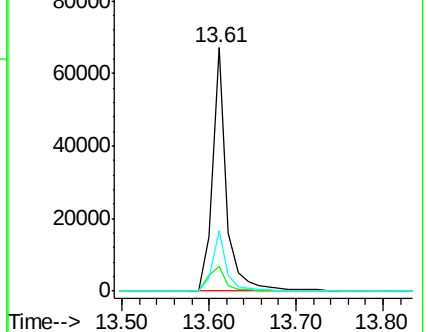
236 24.8 20.6 30.8

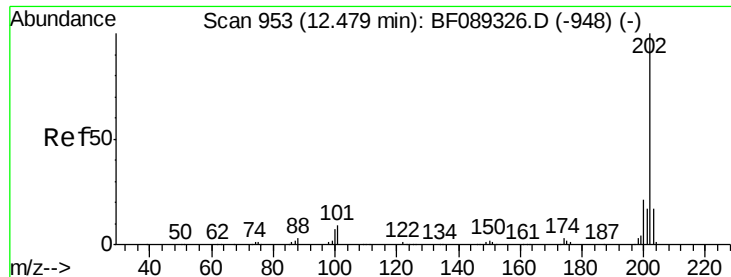


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.25 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

Instrument :

BNA_F

ClientSampleId :

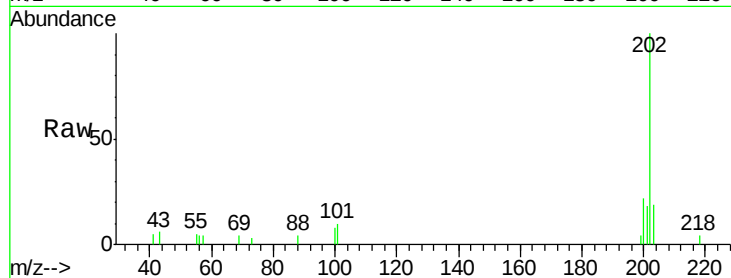
Tot Ion:202 Resp: 12957

Ion Ratio Lower Upper

202 100

200 21.9 16.9 25.3

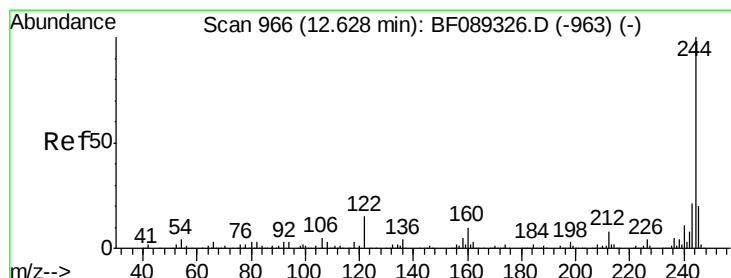
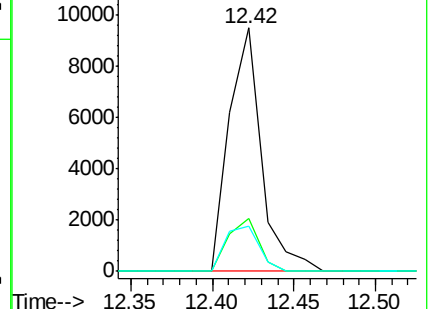
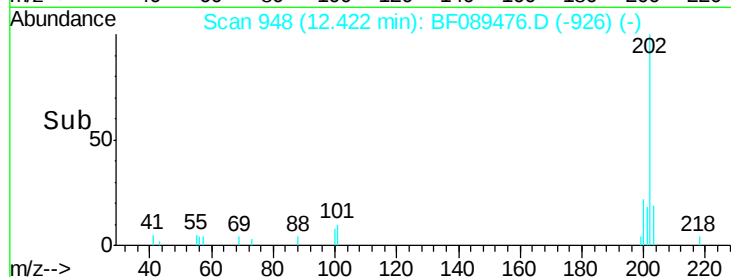
203 18.6 14.0 21.0



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: 82.84 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.06 min

Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

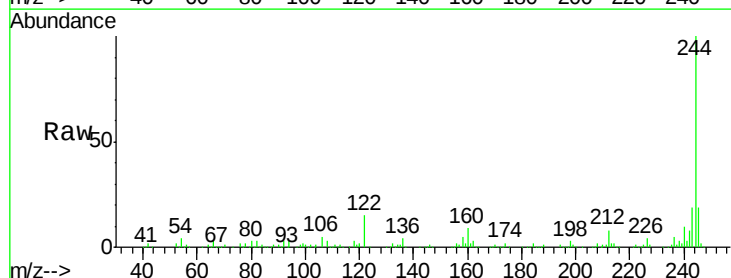
Tgt Ion:244 Resp: 268541

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

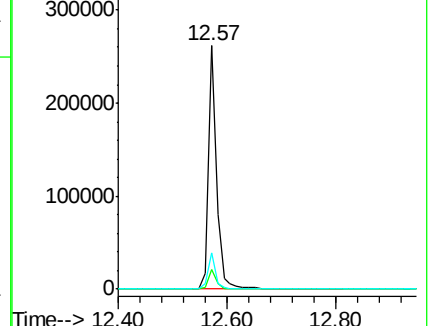
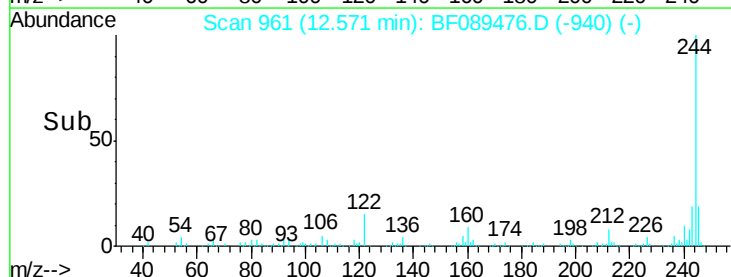
122 15.0 11.4 17.0

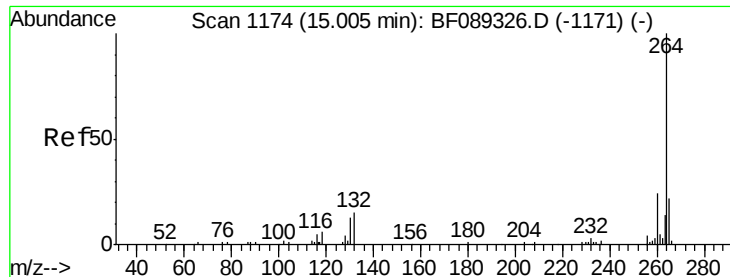


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

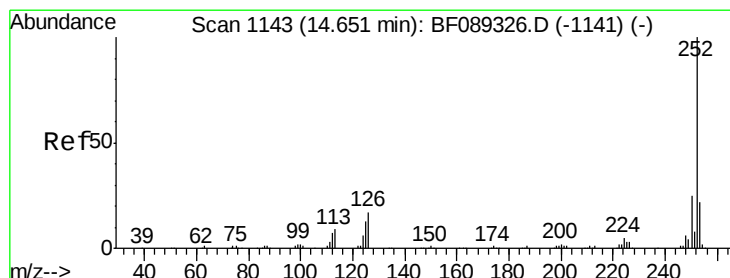
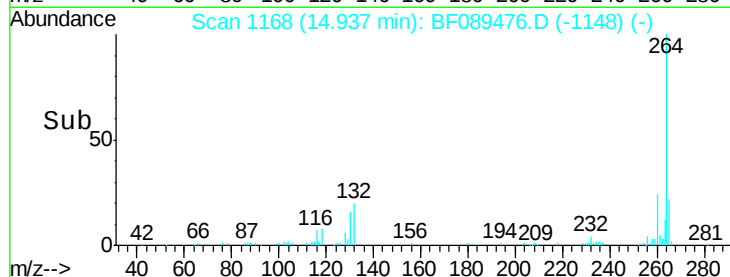
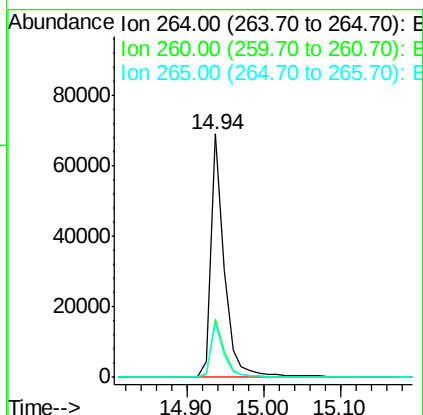
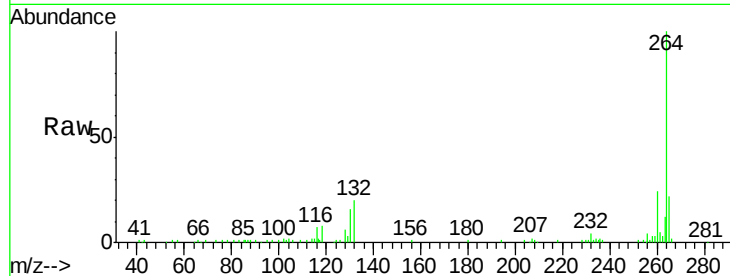




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF089476.D
Acq: 31 Jul 2016 17:49

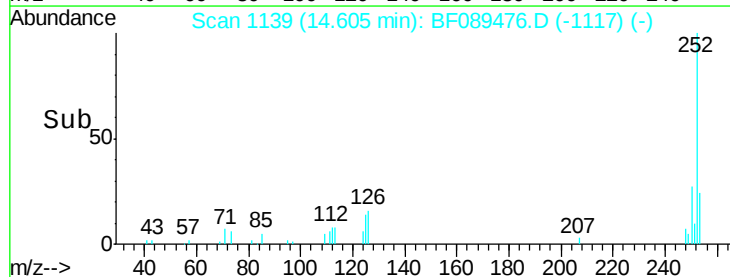
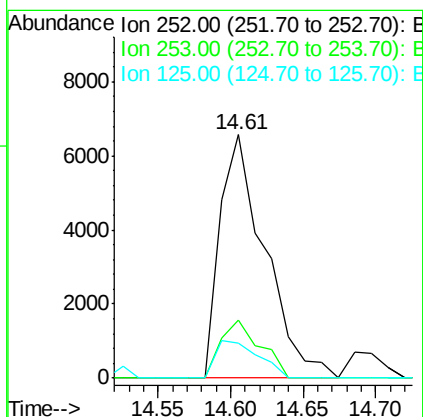
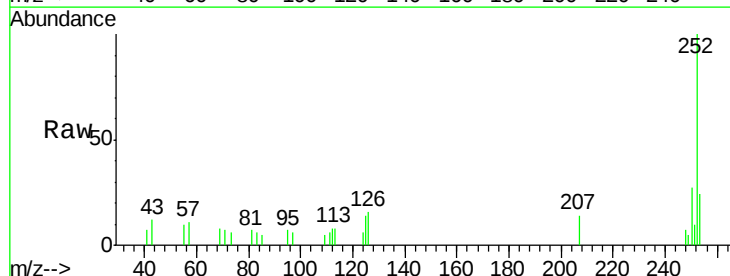
Instrument :
BNA_F
ClientSampleId :

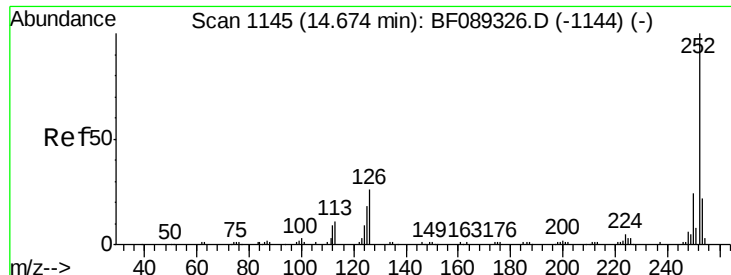
Tot Ion:264 Resp: 83161
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.72 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.05 min
Lab File: BF089476.D
Acq: 31 Jul 2016 17:49

Tgt Ion:252 Resp: 14067
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 14.3 9.7 14.5





#88

Benzo(k)fluoranthene

Concen: 2.96 ng

RT: 14.61 min Scan# 1139

Delta R.T. -0.07 min

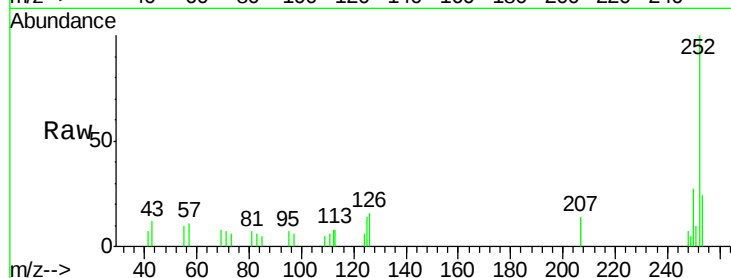
Lab File: BF089476.D

Acq: 31 Jul 2016 17:49

Instrument :

BNA_F

ClientSampleId :



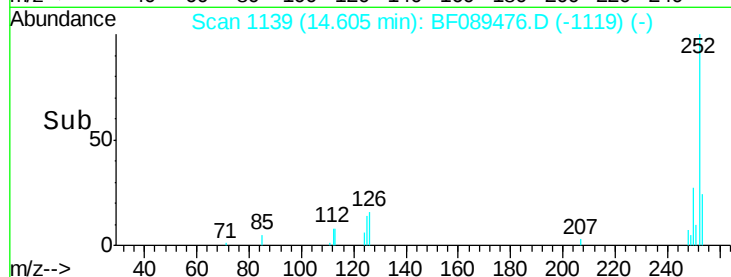
Tot Ion: 252 Resp: 14067

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 14.3 10.7 16.1



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

