

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089492.D
 Acq On : 1 Aug 2016 3:32
 Operator : UM/SJ
 Sample : H4222-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

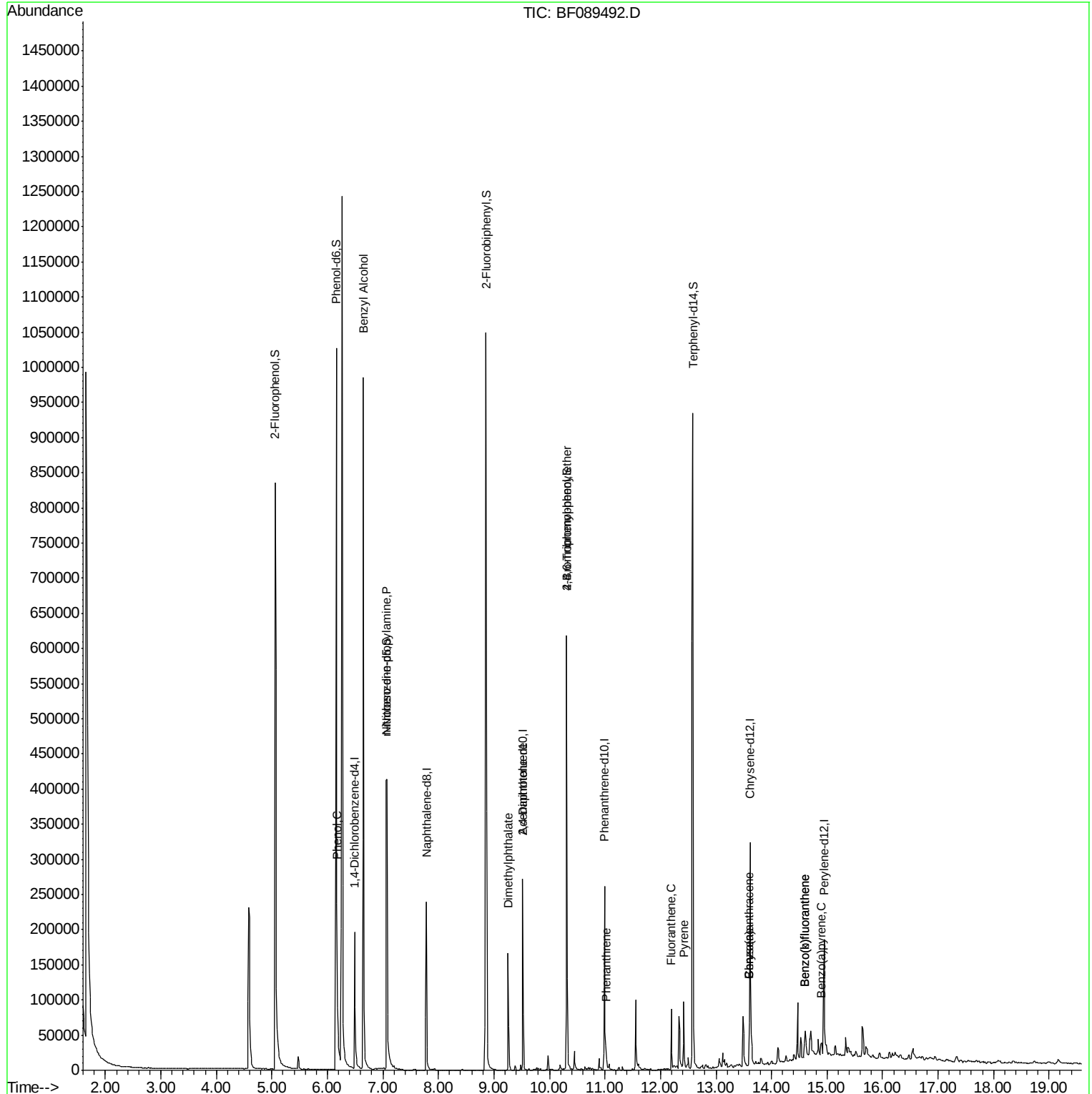
Quant Time: Aug 01 04:03:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

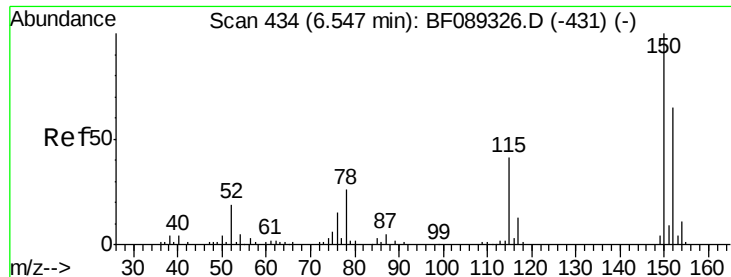
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	40710	20.00	ng	-0.06
21) Naphthalene-d8	7.78	136	139472	20.00	ng	-0.05
38) Acenaphthene-d10	9.52	164	54968	20.00	ng	-0.06
63) Phenanthrene-d10	10.99	188	107457	20.00	ng	-0.06
75) Chrysene-d12	13.61	240	104306	20.00	ng	-0.06
86) Perylene-d12	14.95	264	82506	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	357459	140.20	ng	-0.05
7) Phenol-d6	6.16	99	451869	134.11	ng	-0.05
23) Nitrobenzene-d5	7.07	82	263415	111.48	ng	-0.05
41) 2,4,6-Tribromophenol	10.31	330	61018	134.03	ng	-0.06
44) 2-Fluorobiphenyl	8.86	172	373681	99.77	ng	-0.06
78) Terphenyl-d14	12.58	244	374112	83.94	ng	-0.05
Target Compounds						
10) Phenol	6.17	94	7580	2.04	ng	# 52
15) Benzyl Alcohol	6.65	79	5088	2.43	ng	# 49
19) n-Nitroso-di-n-propylamine	7.06	70	34211	16.84	ng	# 83
49) Dimethylphthalate	9.26	163	75836	18.13	ng	97
56) 2,4-Dinitrotoluene	9.52	165	6473	5.72	ng	# 7
66) 4-Bromophenyl-phenylether	10.31	248	4593	4.48	ng	# 1
70) Phenanthrene	11.02	178	12479	2.25	ng	98
74) Fluoranthene	12.19	202	39412	6.76	ng	96
77) Pyrene	12.42	202	29097	3.68	ng	99
80) Benzo(a)anthracene	13.60	228	18617	3.16	ng	# 91
82) Chrysene	13.60	228	18617	2.97	ng	95
87) Benzo(b)fluoranthene	14.61	252	25029	4.88	ng	# 92
88) Benzo(k)fluoranthene	14.61	252	25029	5.31	ng	# 95
89) Benzo(a)pyrene	14.90	252	11320	2.46	ng	96

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

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Acq On    : 1 Aug 2016 3:32  
Operator  : UM/SJ  
Sample    : H4222-06  
Misc      :  
ALS Vial  : 27 Sample Multiplier: 1
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Quant Time: Aug 01 04:03:40 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.06 min

Lab File: BF089492.D

Acq: 1 Aug 2016 3:32

Instrument :

BNA_F

ClientSampleId :

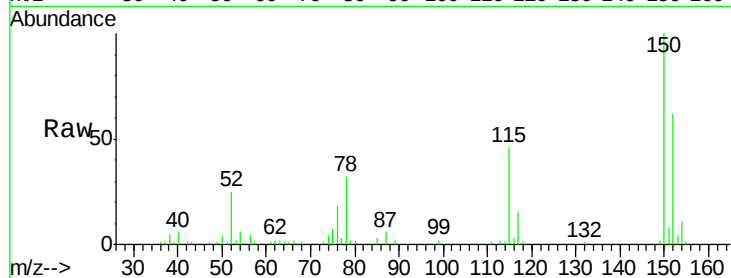
Tot Ion:152 Resp: 40710

Ion Ratio Lower Upper

152 100

150 161.1 129.5 194.3

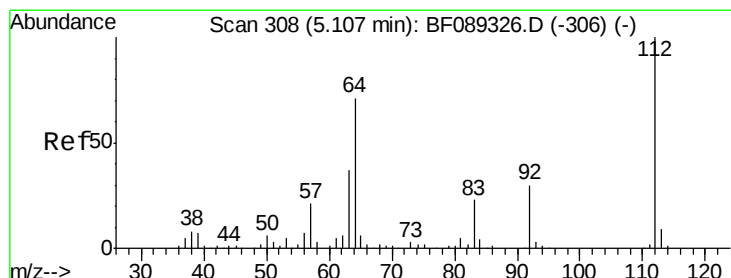
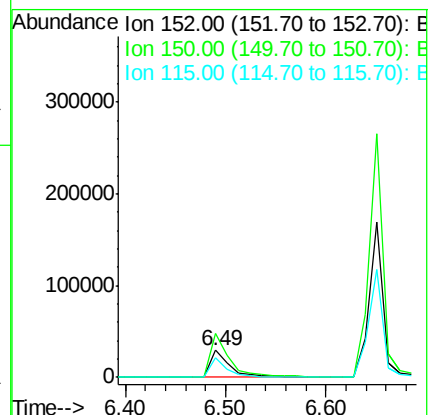
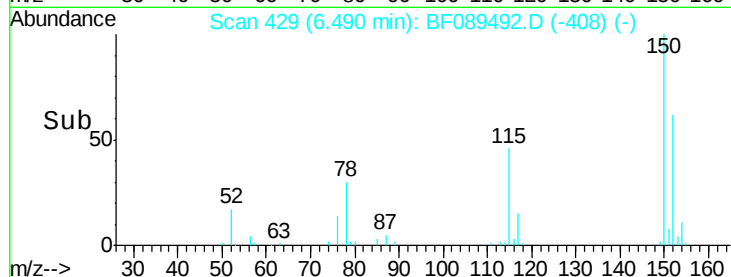
115 74.1 51.4 77.2



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



#5

2-Fluorophenol

Concen: 140.20 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.05 min

Lab File: BF089492.D

Acq: 1 Aug 2016 3:32

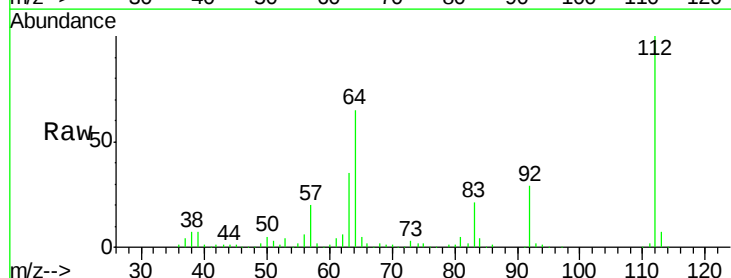
Tgt Ion:112 Resp: 357459

Ion Ratio Lower Upper

112 100

64 64.7 55.0 82.6

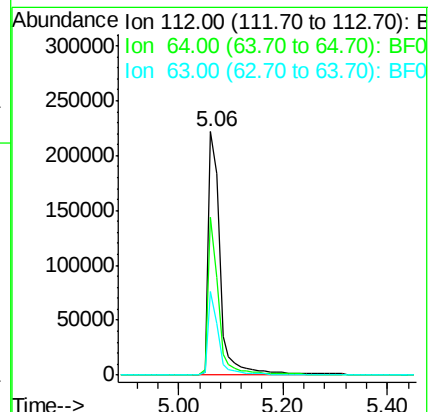
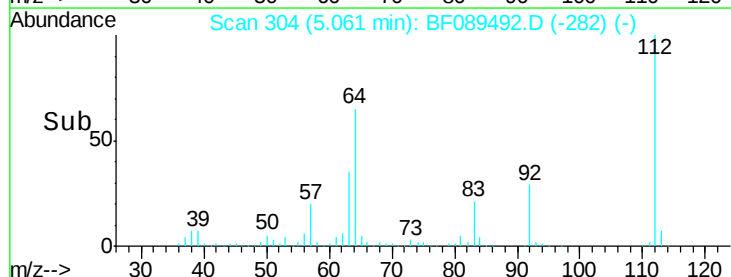
63 34.5 29.4 44.2

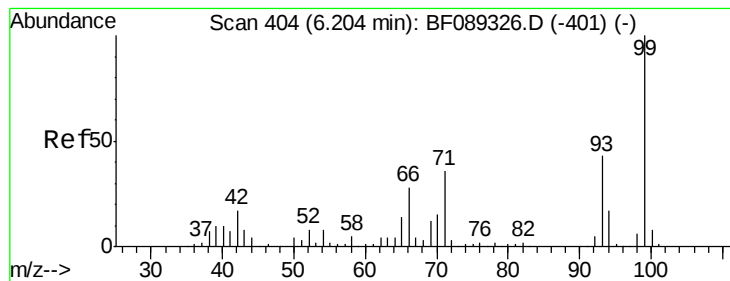


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 134.11 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.05 min

Lab File: BF089492.D

Acq: 1 Aug 2016 3:32

Instrument :

BNA_F

ClientSampleId :

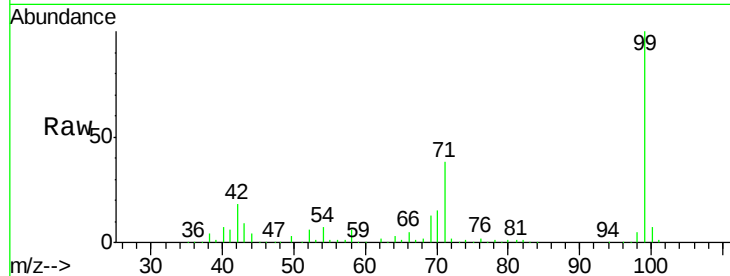
Tot Ion: 99 Resp: 451869

Ion Ratio Lower Upper

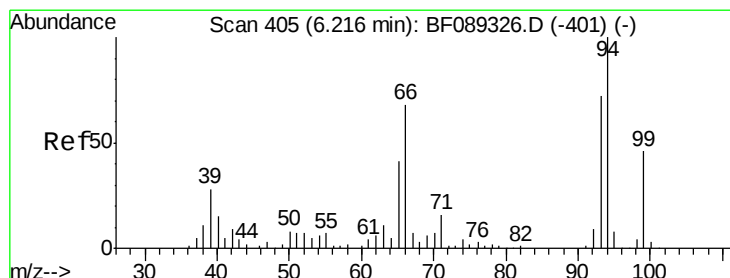
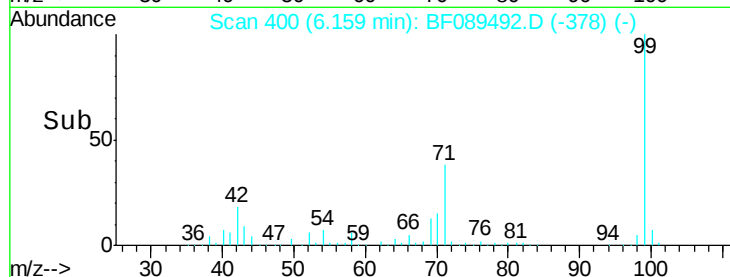
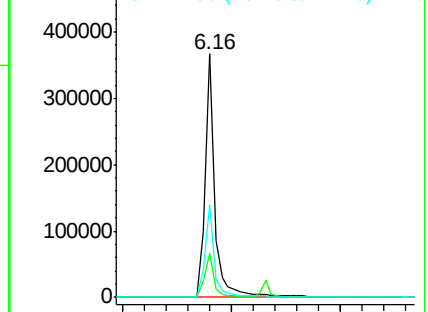
99 100

42 17.9 13.6 20.4

71 38.0 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: 2.04 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF089492.D

Acq: 1 Aug 2016 3:32

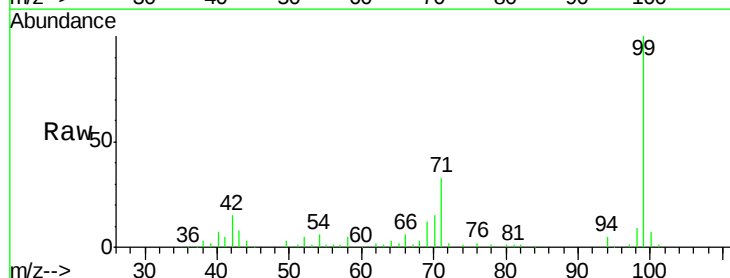
Tgt Ion: 94 Resp: 7580

Ion Ratio Lower Upper

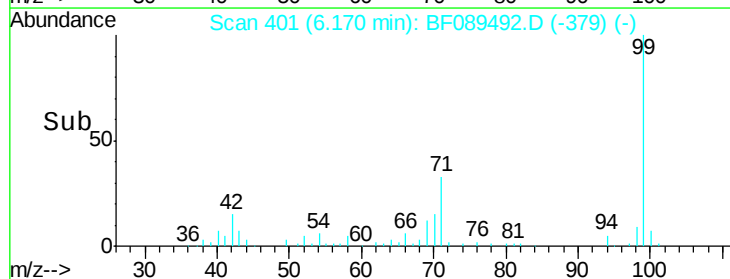
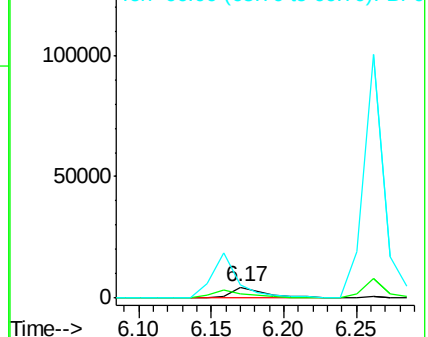
94 100

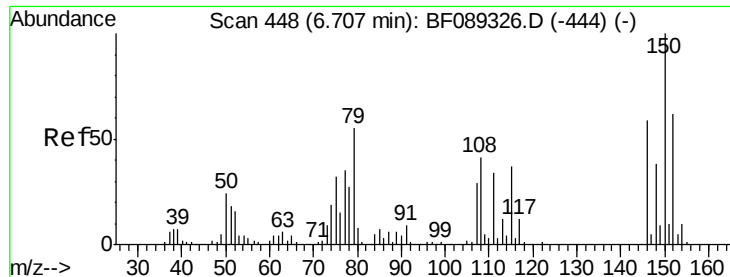
65 43.8 19.1 59.1

66 121.2 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

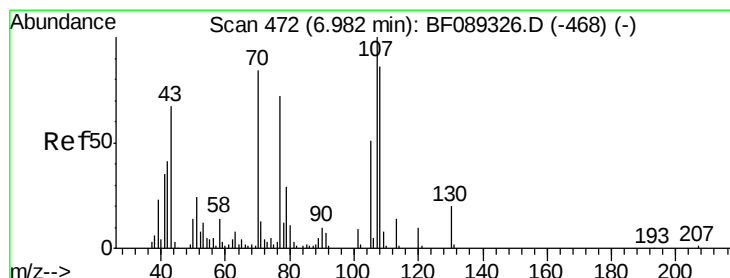
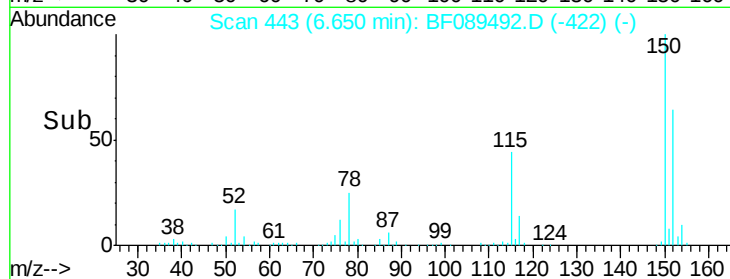
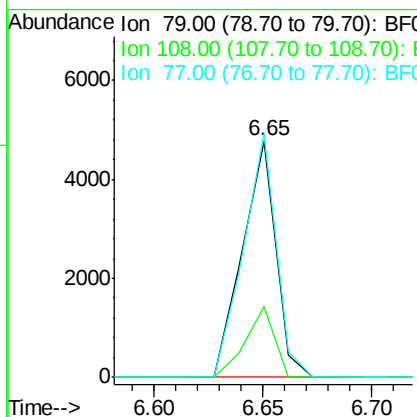
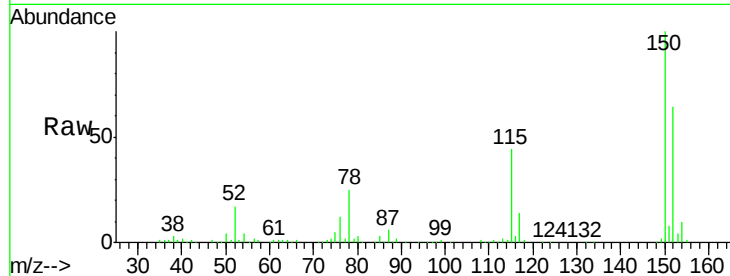




#15
Benzyl Alcohol
Concen: 2.43 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.06 min
Lab File: BF089492.D
Acq: 1 Aug 2016 3:32

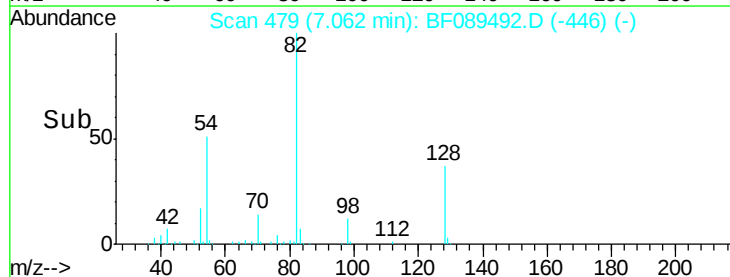
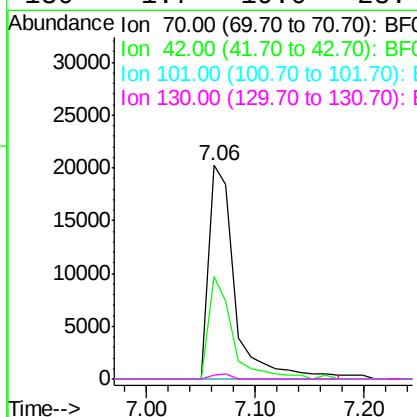
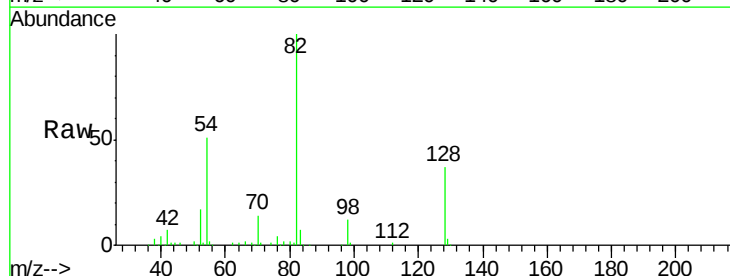
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 5088
Ion Ratio Lower Upper
79 100
108 29.8 59.8 89.6#
77 103.0 51.7 77.5#



#19
n-Nitroso-di-n-propylamine
Concen: 16.84 ng
RT: 7.06 min Scan# 479
Delta R.T. 0.08 min
Lab File: BF089492.D
Acq: 1 Aug 2016 3:32

Tgt Ion: 70 Resp: 34211
Ion Ratio Lower Upper
70 100
42 47.9 38.6 57.8
101 0.0 8.3 12.5#
130 1.7 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: BF089492.D

Acq: 1 Aug 2016 3:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 139472

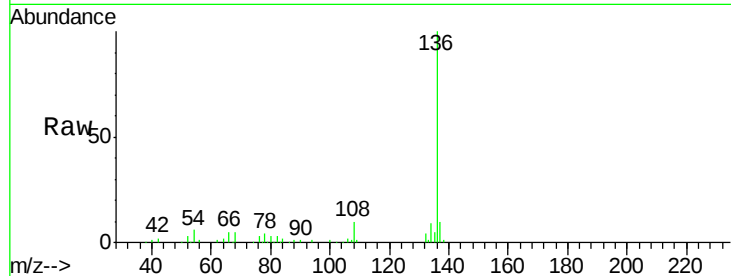
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 5.8 7.0 10.4#

68 4.7 4.9 7.3#

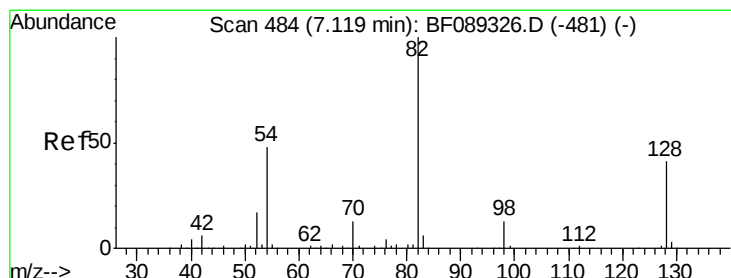
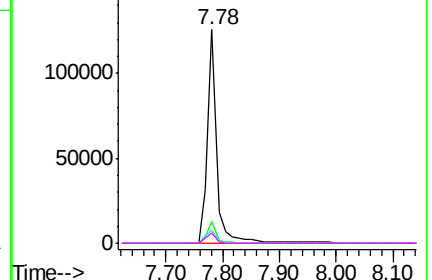
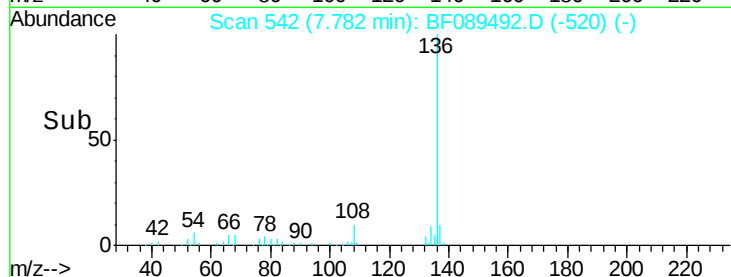


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 111.48 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.05 min

Lab File: BF089492.D

Acq: 1 Aug 2016 3:32

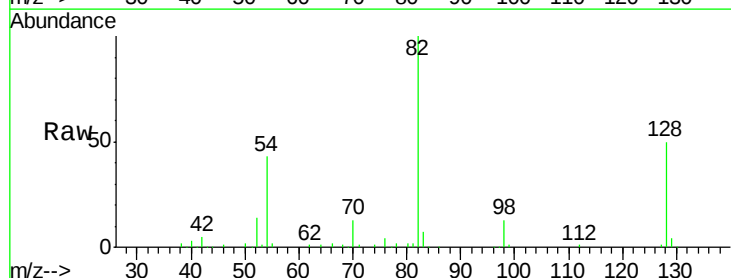
Tgt Ion: 82 Resp: 263415

Ion Ratio Lower Upper

82 100

128 50.1 32.5 48.7#

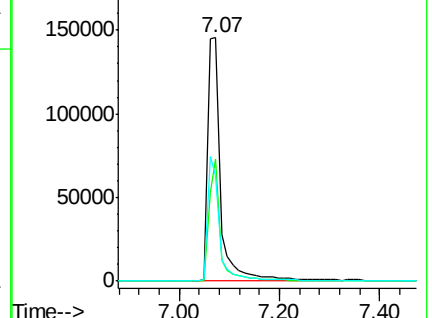
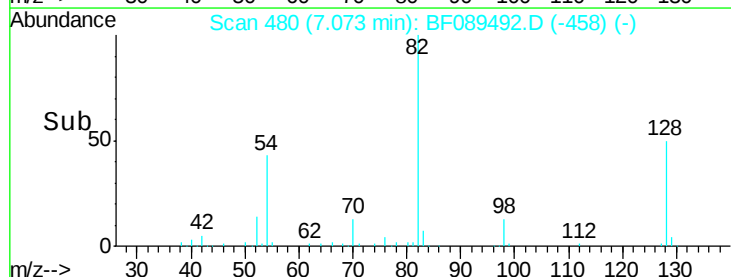
54 43.3 38.8 58.2

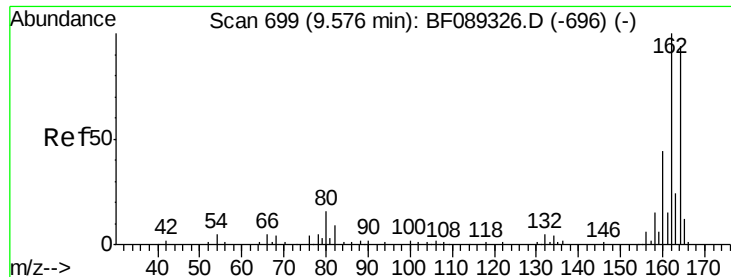


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

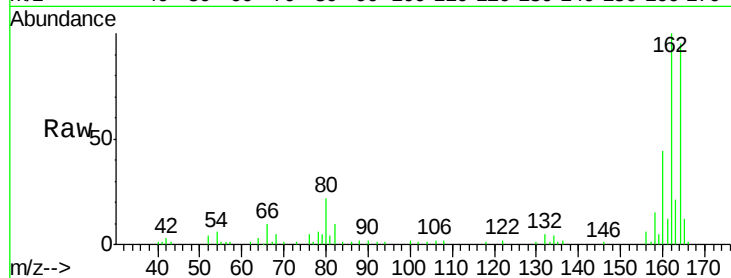




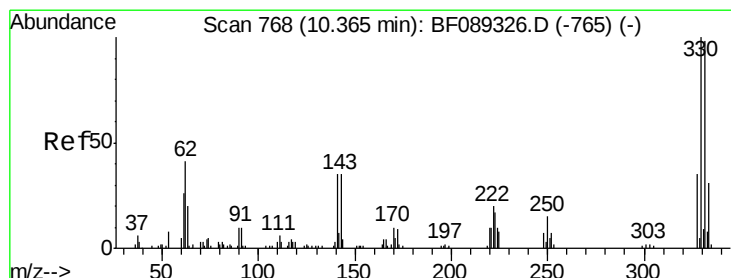
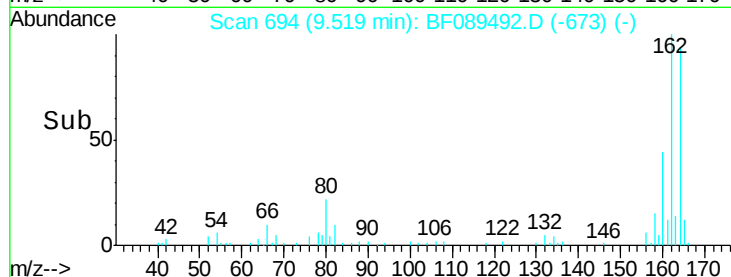
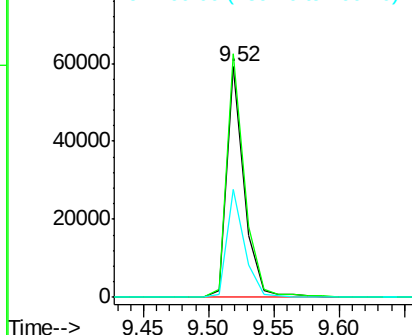
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.06 min
 Lab File: BF089492.D
 Acq: 1 Aug 2016 3:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 54968
 Ion Ratio Lower Upper
 164 100
 162 105.7 83.7 125.5
 160 47.0 37.8 56.6

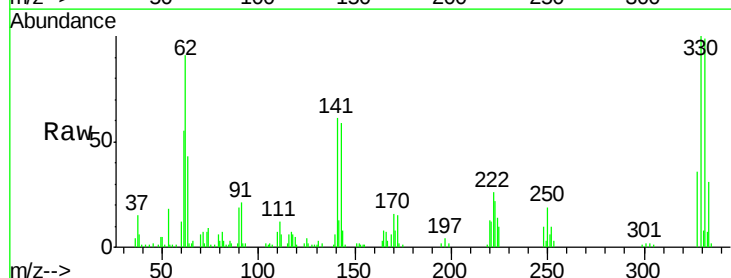


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

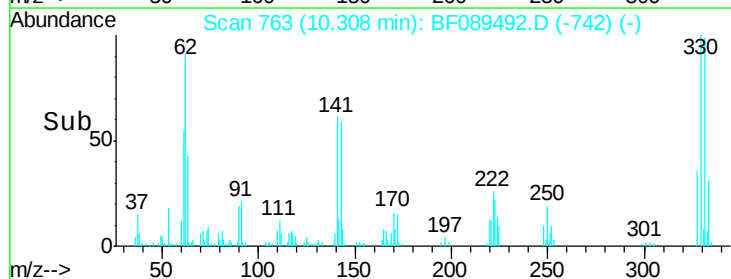
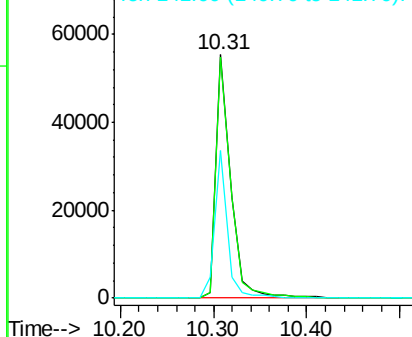


#41
 2,4,6-Tribromophenol
 Concen: 134.03 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.06 min
 Lab File: BF089492.D
 Acq: 1 Aug 2016 3:32

Tgt Ion:330 Resp: 61018
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.8 115.2
 141 51.9 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

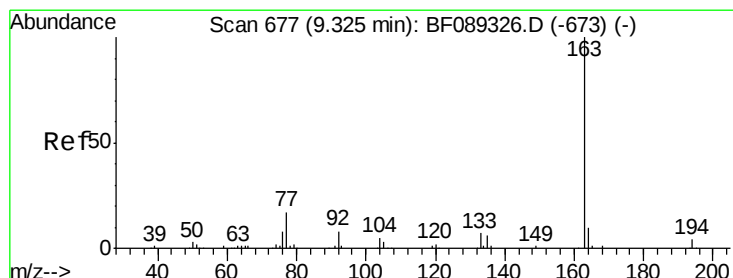
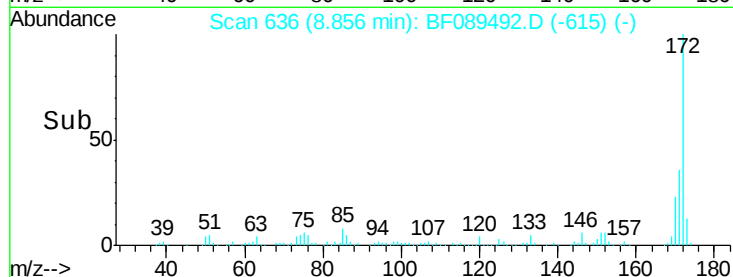
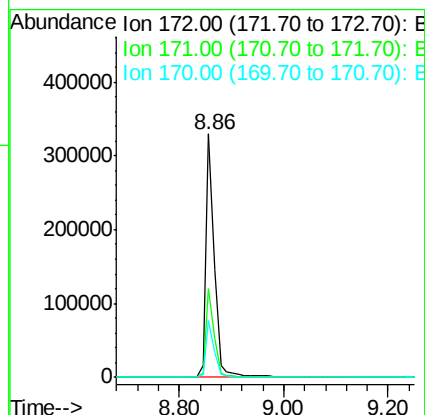
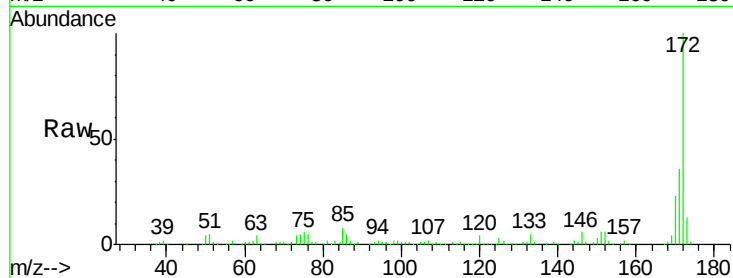




#44
2-Fluorobiphenyl
Concen: 99.77 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.06 min
Lab File: BF089492.D
Acq: 1 Aug 2016 3:32

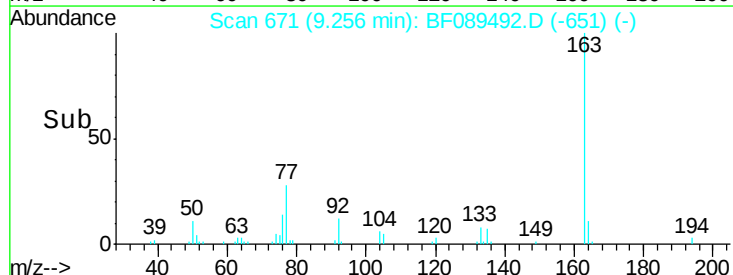
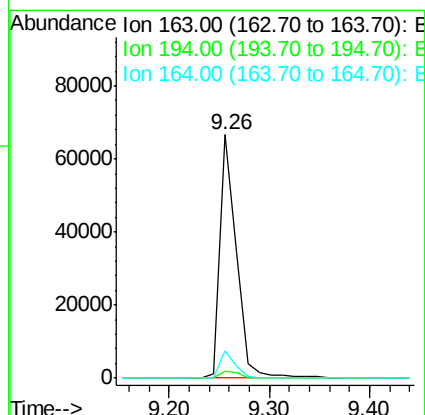
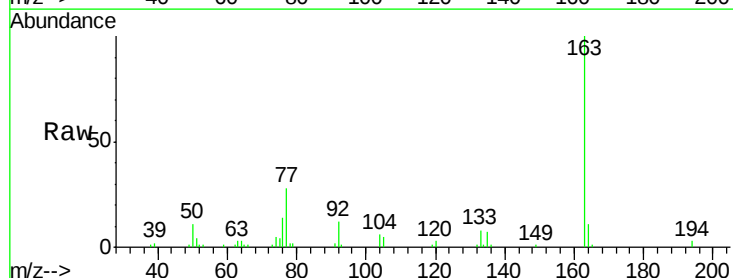
Instrument :
BNA_F
ClientSampleId :

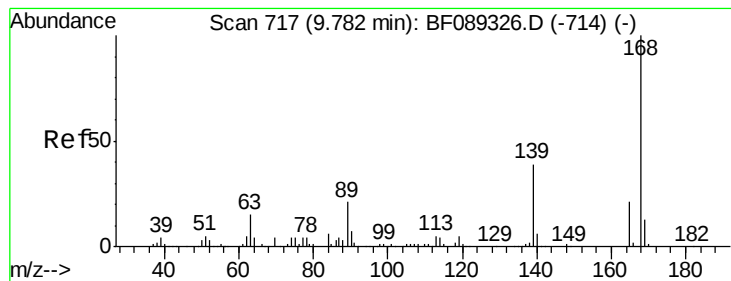
Tot Ion:172 Resp: 373681
Ion Ratio Lower Upper
172 100
171 36.4 29.2 43.8
170 23.5 19.2 28.8



#49
Dimethylphthalate
Concen: 18.13 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.07 min
Lab File: BF089492.D
Acq: 1 Aug 2016 3:32

Tgt Ion:163 Resp: 75836
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 11.2 7.8 11.8

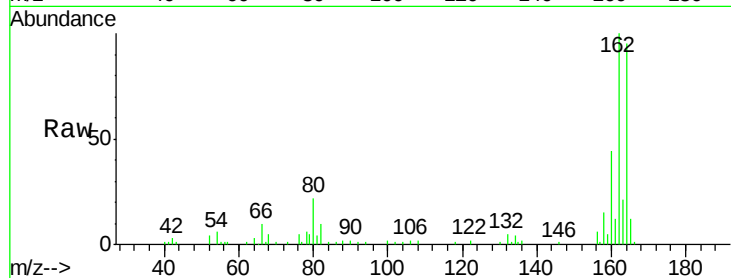




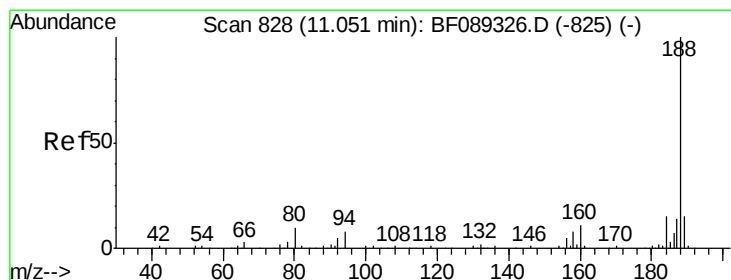
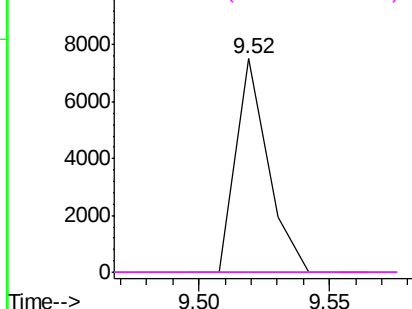
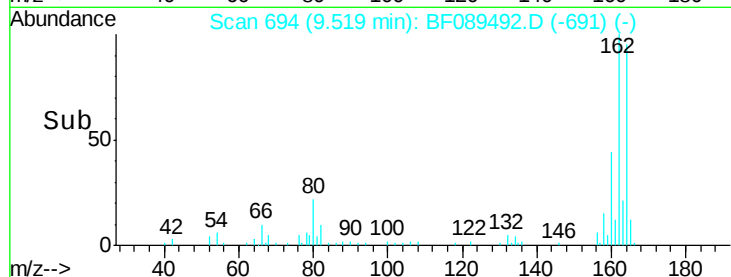
#56
 2,4-Dinitrotoluene
 Concen: 5.72 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.26 min
 Lab File: BF089492.D
 Acq: 1 Aug 2016 3:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 6473
 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#

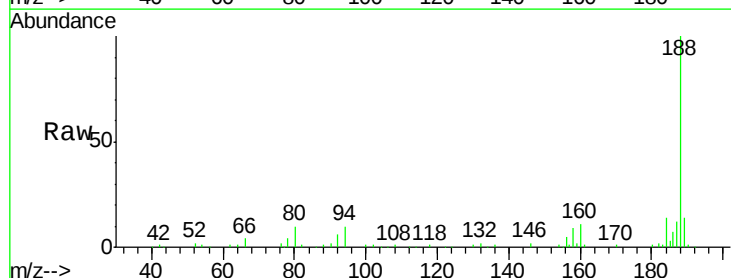


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

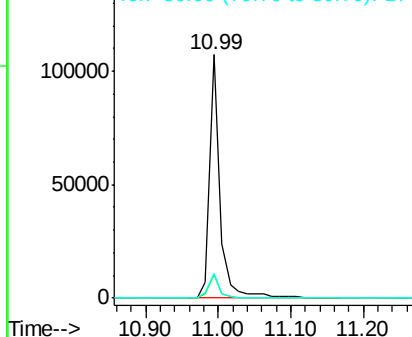
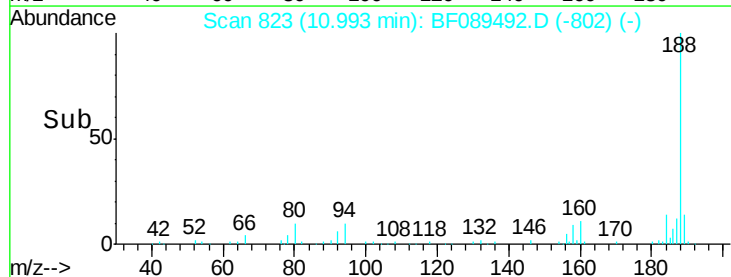


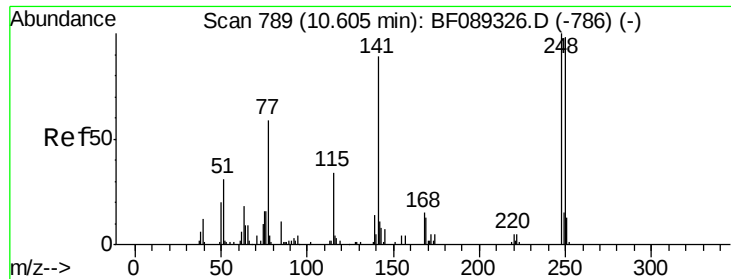
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.06 min
 Lab File: BF089492.D
 Acq: 1 Aug 2016 3:32

Tgt Ion:188 Resp: 107457
 Ion Ratio Lower Upper
 188 100
 94 9.5 6.5 9.7
 80 10.3 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.48 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.30 min

Lab File: BF089492.D

Acq: 1 Aug 2016 3:32

Instrument :

BNA_F

ClientSampleId :

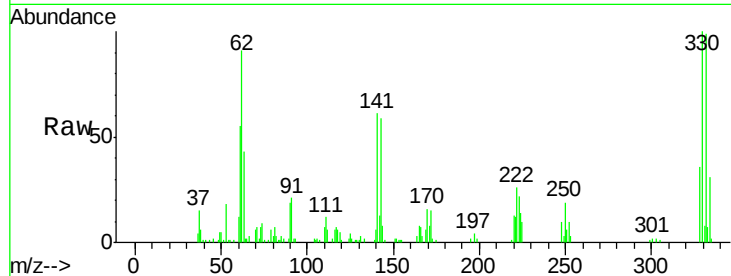
Tot Ion:248 Resp: 4593

Ion Ratio Lower Upper

248 100

250 197.7 78.2 117.2#

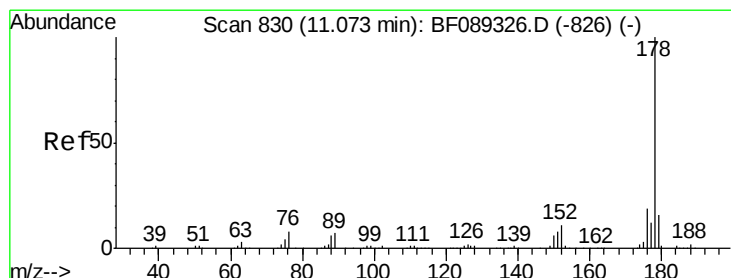
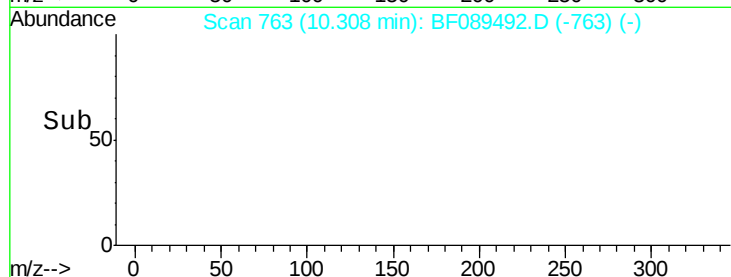
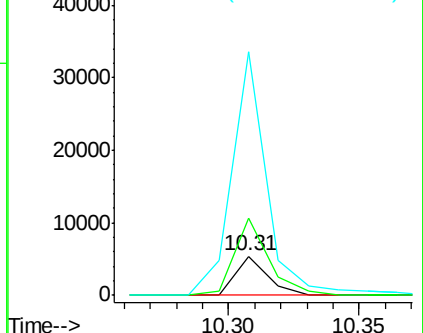
141 619.8 62.0 93.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 2.25 ng

RT: 11.02 min Scan# 825

Delta R.T. -0.06 min

Lab File: BF089492.D

Acq: 1 Aug 2016 3:32

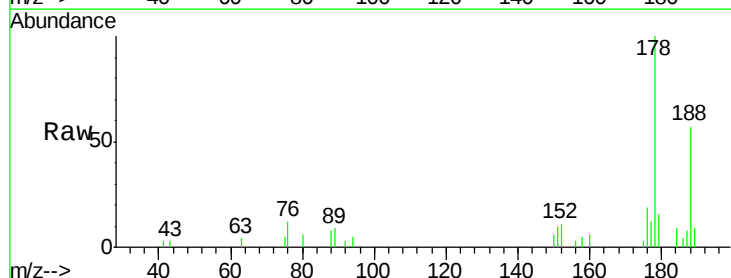
Tgt Ion:178 Resp: 12479

Ion Ratio Lower Upper

178 100

176 18.5 15.5 23.3

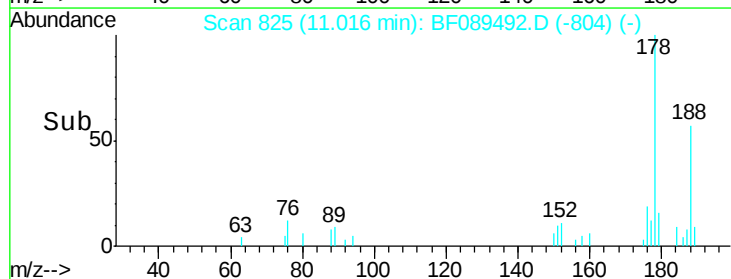
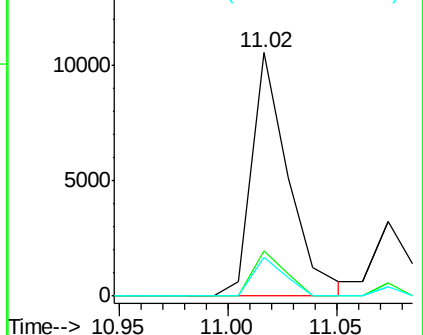
179 16.0 12.3 18.5

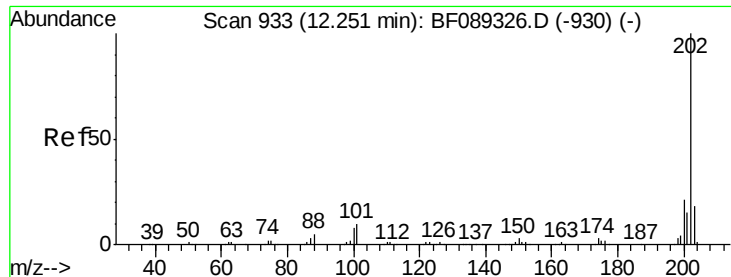


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

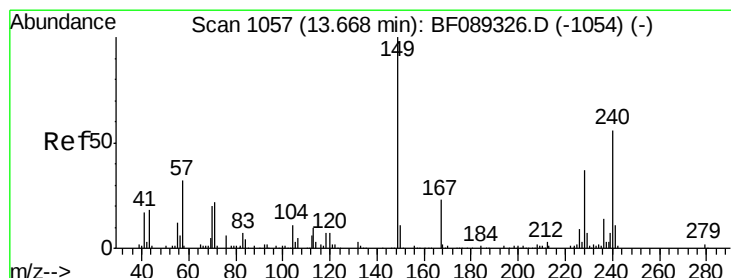
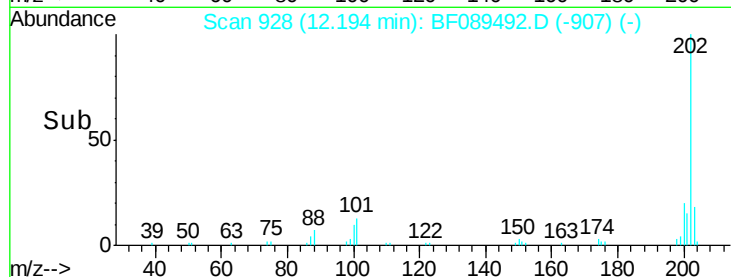
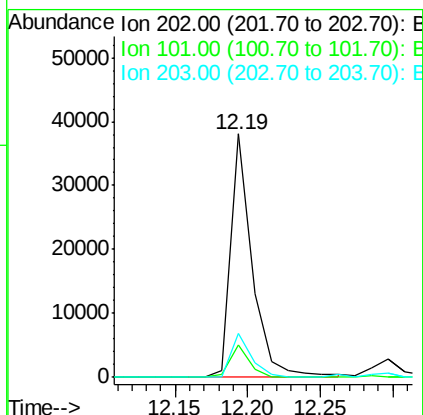
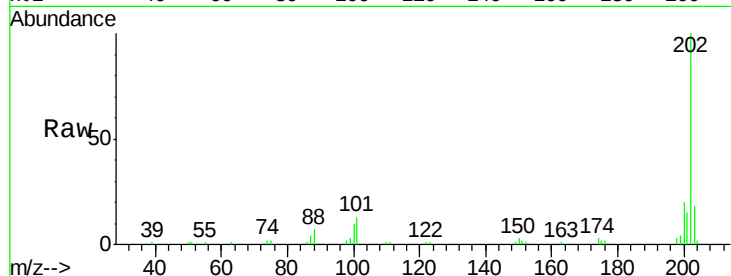




#74
 Fluoranthene
 Concen: 6.76 ng
 RT: 12.19 min Scan# 928
 Delta R.T. -0.06 min
 Lab File: BF089492.D
 Acq: 1 Aug 2016 3:32

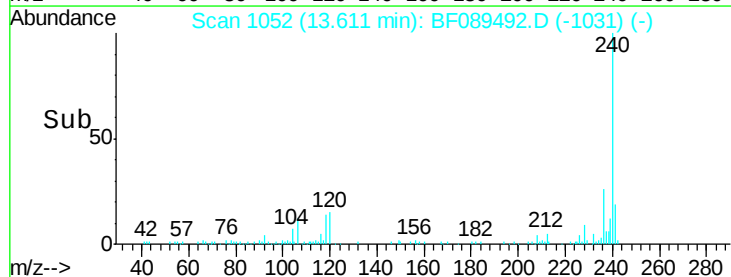
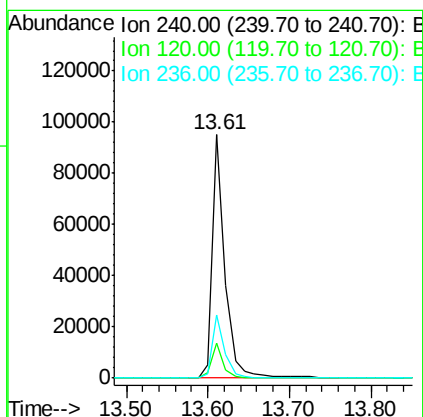
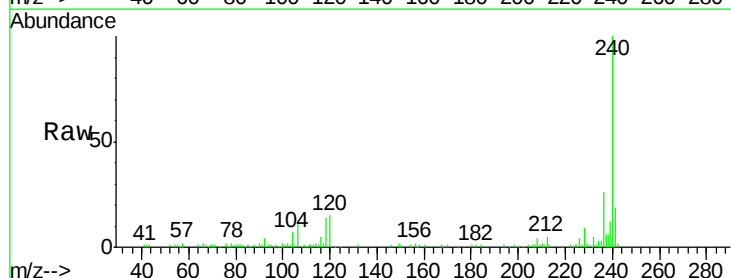
Instrument :
 BNA_F
 ClientSampleId :

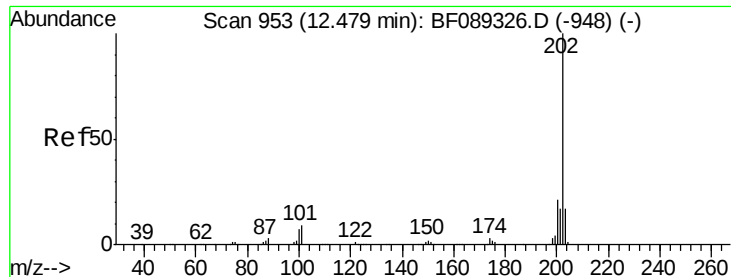
Tot Ion:202 Resp: 39412
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 29.9
 203 17.9 0.0 37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.61 min Scan# 1052
 Delta R.T. -0.06 min
 Lab File: BF089492.D
 Acq: 1 Aug 2016 3:32

Tgt Ion:240 Resp: 104306
 Ion Ratio Lower Upper
 240 100
 120 14.6 9.1 13.7#
 236 25.9 20.6 30.8





#77

Pvrene

Concen: 3.68 ng

RT: 12.42 min Scan# 948

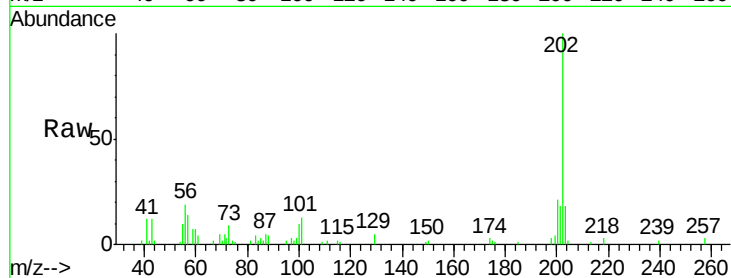
Delta R.T. -0.05 min

Lab File: BF089492.D

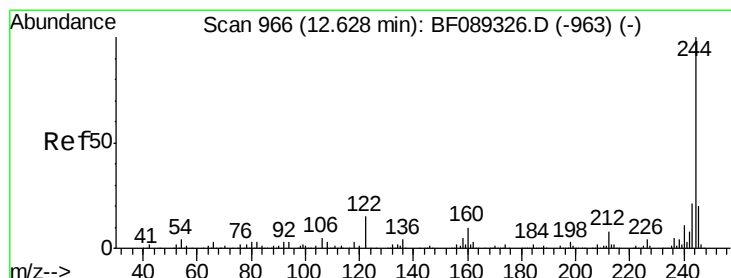
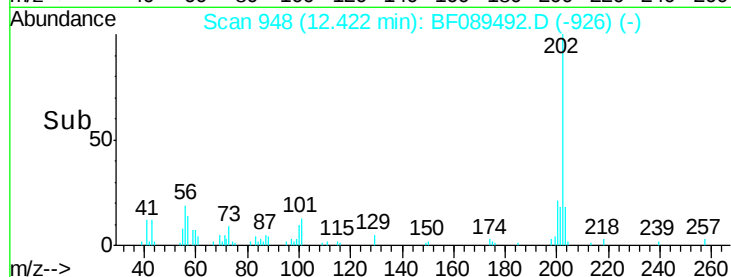
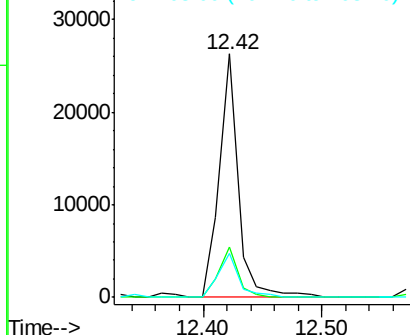
Acq: 1 Aug 2016 3:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202	Resp:	29097
Ion Ratio	Lower	Upper
202	100	
200	20.9	16.9 25.3
203	17.9	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: 83.94 ng

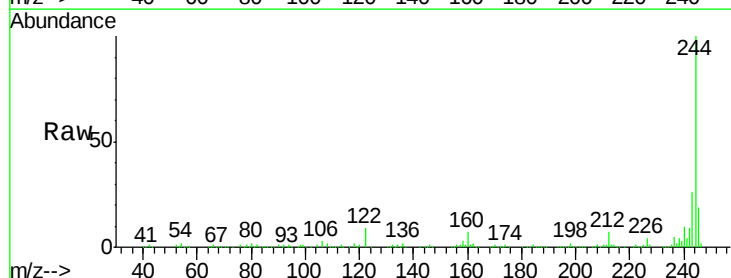
RT: 12.58 min Scan# 962

Delta R.T. -0.05 min

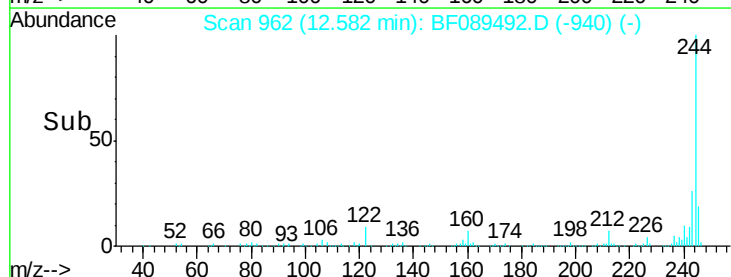
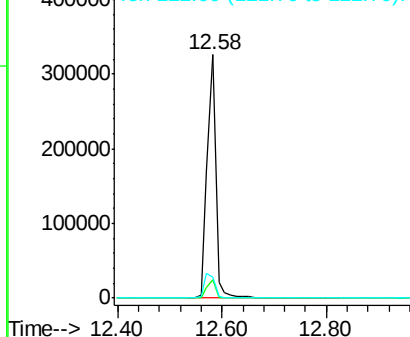
Lab File: BF089492.D

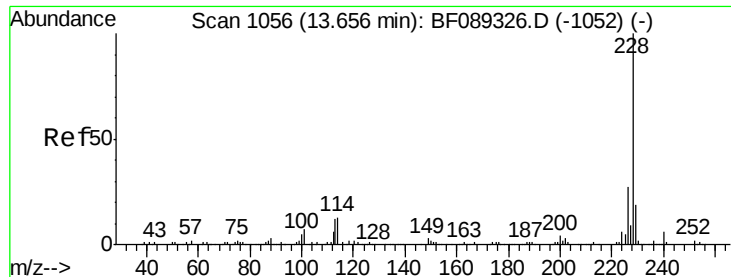
Acq: 1 Aug 2016 3:32

Tgt Ion:244	Resp:	374112
Ion Ratio	Lower	Upper
244	100	
212	7.4	6.5 9.7
122	8.7	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

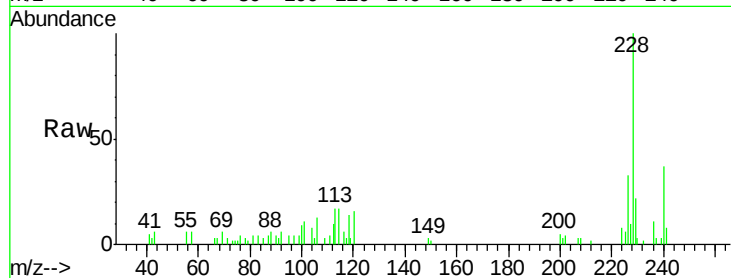




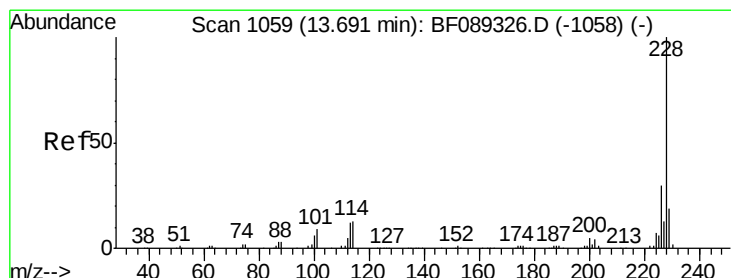
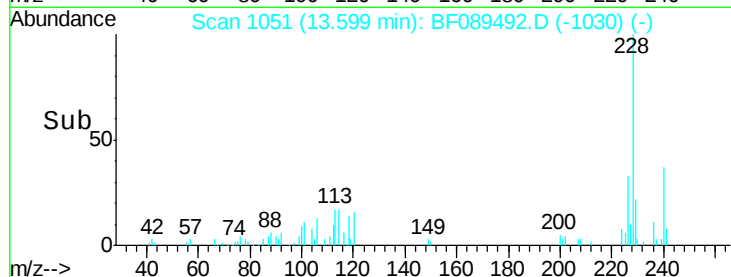
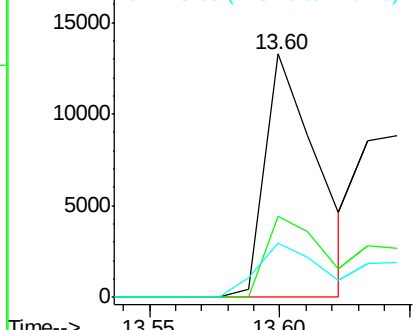
#80
Benzo(a)anthracene
Concen: 3.16 ng
RT: 13.60 min Scan# 1051
Delta R.T. -0.06 min
Lab File: BF089492.D
Acq: 1 Aug 2016 3:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 18617
Ion Ratio Lower Upper
228 100
226 33.3 21.4 32.2#
229 22.2 15.9 23.9

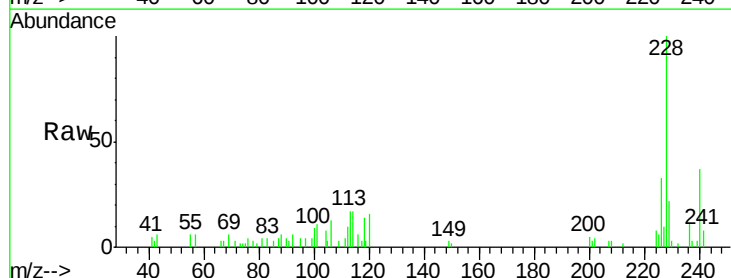


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

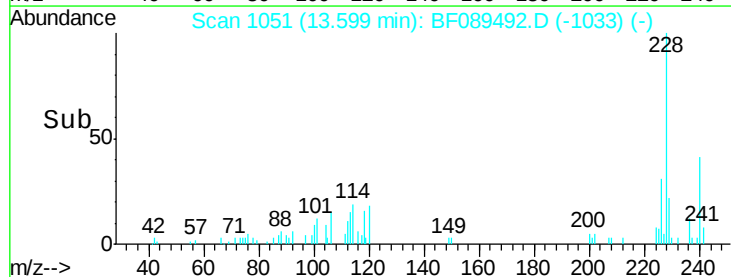
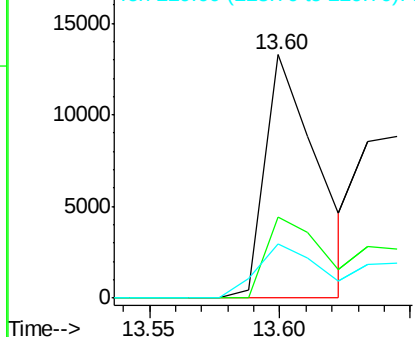


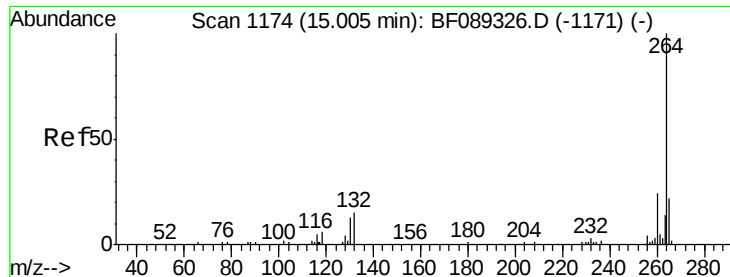
#82
Chrysene
Concen: 2.97 ng
RT: 13.60 min Scan# 1051
Delta R.T. -0.09 min
Lab File: BF089492.D
Acq: 1 Aug 2016 3:32

Tgt Ion:228 Resp: 18617
Ion Ratio Lower Upper
228 100
226 33.3 24.2 36.2
229 22.2 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

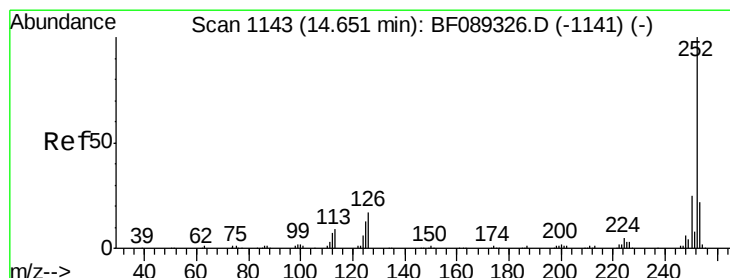
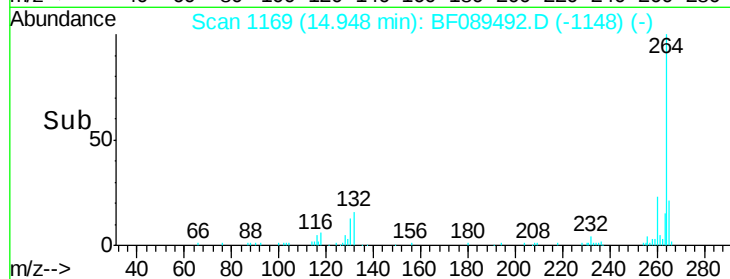
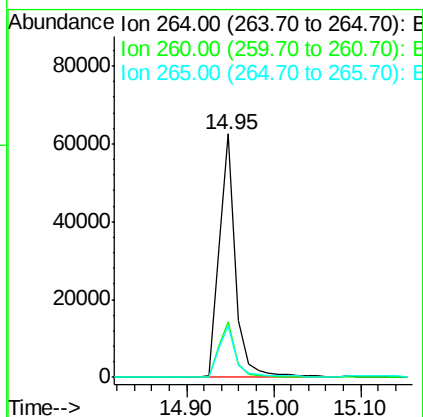
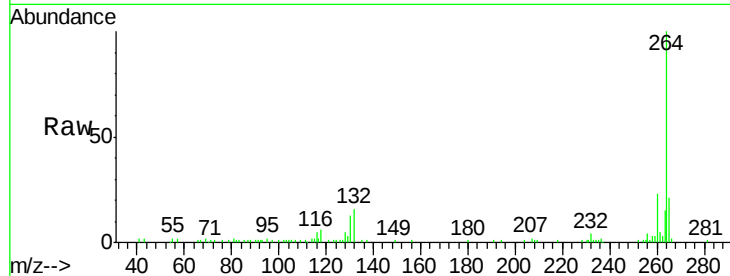




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF089492.D
Acq: 1 Aug 2016 3:32

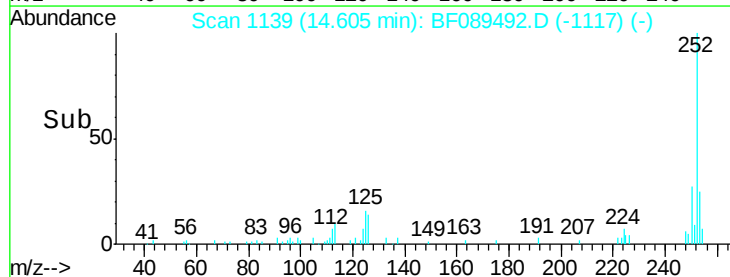
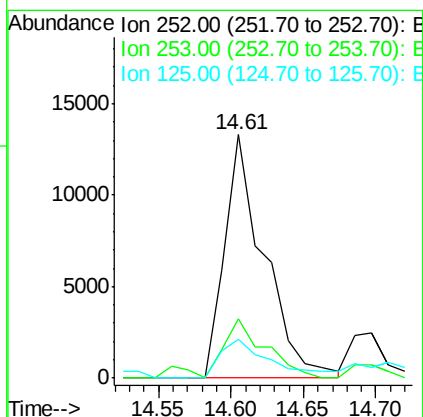
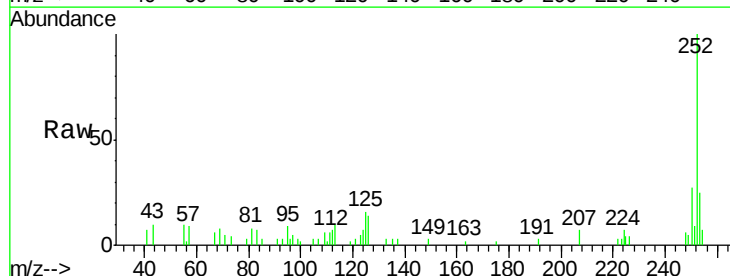
Instrument :
BNA_F
ClientSampleId :

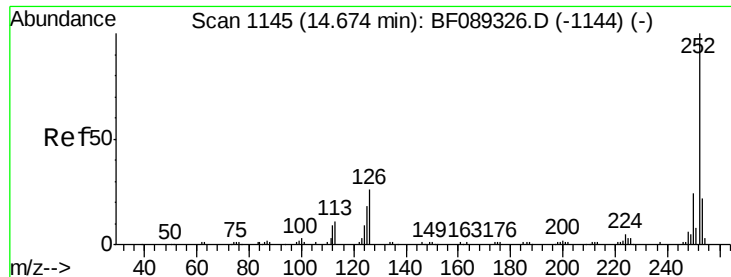
Tot Ion:264 Resp: 82506
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.4
265 21.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.88 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.05 min
Lab File: BF089492.D
Acq: 1 Aug 2016 3:32

Tgt Ion:252 Resp: 25029
Ion Ratio Lower Upper
252 100
253 24.5 17.2 25.8
125 16.1 9.7 14.5#

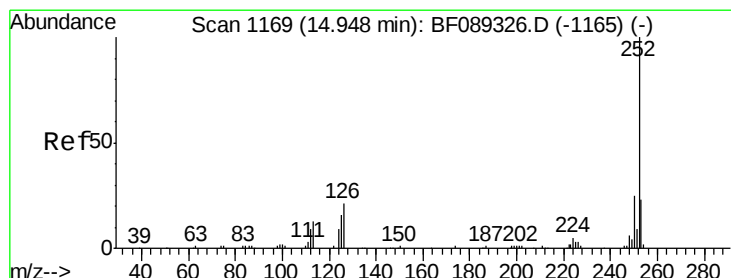
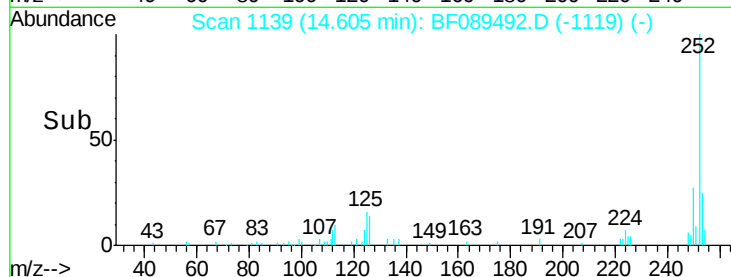
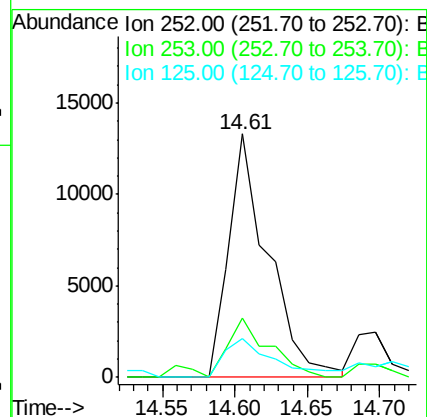
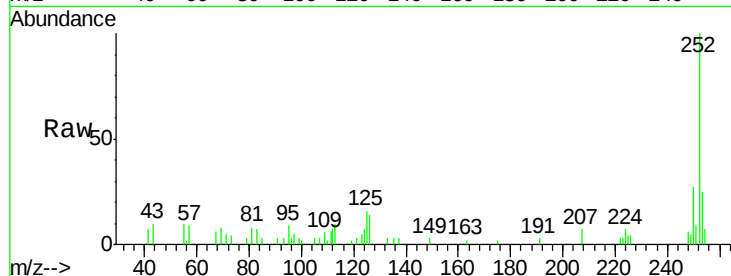




#88
Benzo(k)fluoranthene
Concen: 5.31 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.07 min
Lab File: BF089492.D
Acq: 1 Aug 2016 3:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 25029
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 16.1 10.7 16.1#



#89
Benzo(a)pyrene
Concen: 2.46 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF089492.D
Acq: 1 Aug 2016 3:32

Tgt Ion:252 Resp: 11320
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 16.2 12.4 18.6

