

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089472.D
 Acq On : 31 Jul 2016 15:49
 Operator : UM/SJ
 Sample : H4257-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 01:14:15 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	45037	20.00	ng	-0.06
21) Naphthalene-d8	7.78	136	175018	20.00	ng	-0.05
38) Acenaphthene-d10	9.52	164	86459	20.00	ng	-0.06
63) Phenanthrene-d10	10.99	188	149674	20.00	ng	-0.06
75) Chrysene-d12	13.61	240	82008	20.00	ng	-0.06
86) Perylene-d12	14.94	264	82397	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	375316	133.06	ng	-0.05
7) Phenol-d6	6.16	99	554790	148.84	ng	-0.05
23) Nitrobenzene-d5	7.06	82	311464	105.04	ng	-0.06
41) 2,4,6-Tribromophenol	10.31	330	95392	133.22	ng	-0.06
44) 2-Fluorobiphenyl	8.86	172	511136	86.76	ng	-0.06
78) Terphenyl-d14	12.57	244	341480	97.46	ng	-0.06

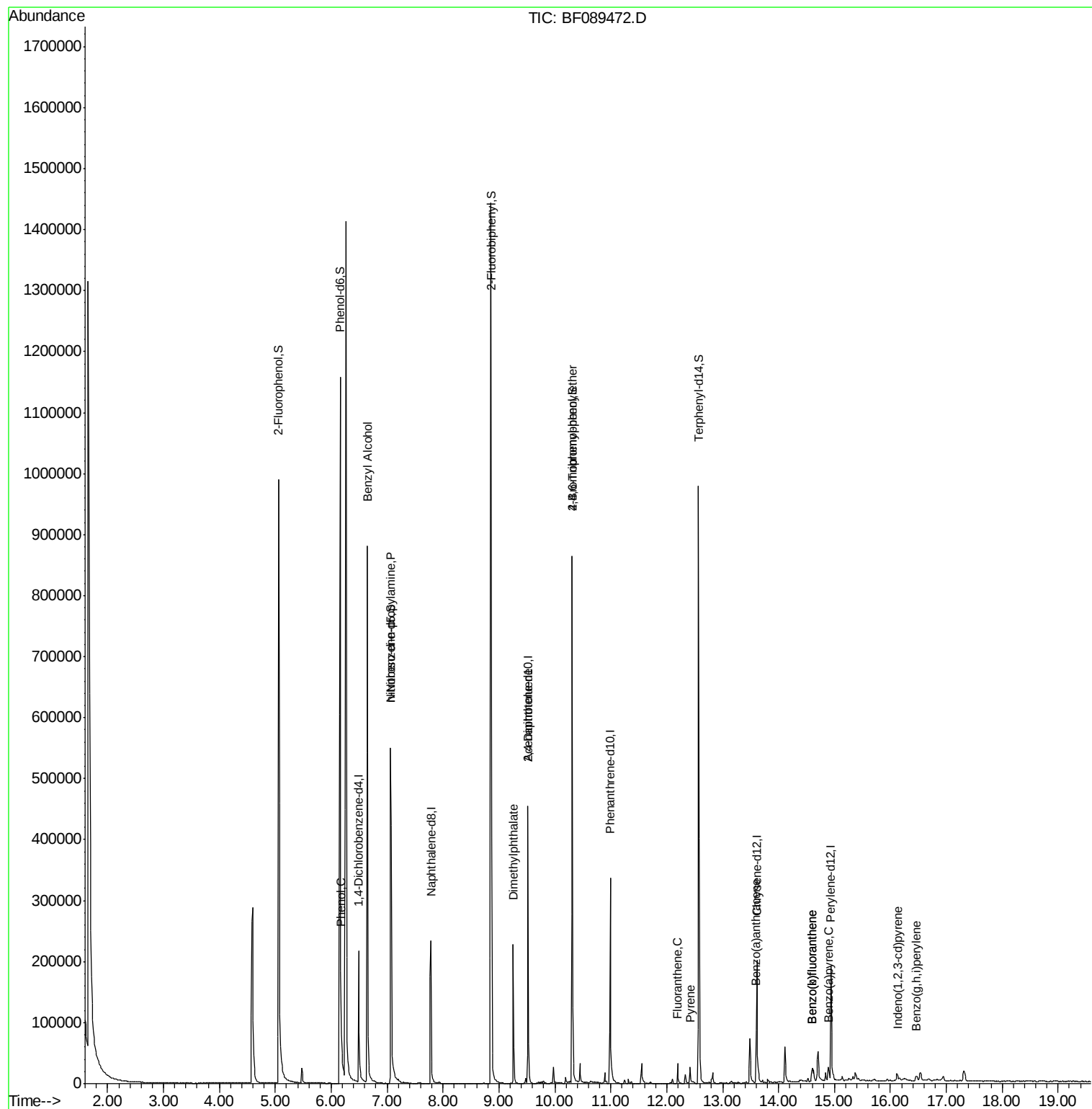
Target Compounds						Qvalue
10) Phenol	6.17	94	8945	2.17	ng	# 77
15) Benzyl Alcohol	6.65	79	5272	2.28	ng	# 47
19) n-Nitroso-di-n-propylamine	7.06	70	40009	17.80	ng	# 82
49) Dimethylphthalate	9.26	163	94791	14.41	ng	98
56) 2,4-Dinitrotoluene	9.52	165	11041	6.20	ng	# 7
66) 4-Bromophenyl-phenylether	10.31	248	7746	5.42	ng	# 1
74) Fluoranthene	12.19	202	16710	2.06	ng	96
77) Pyrene	12.42	202	15569	2.50	ng	97
80) Benzo(a)anthracene	13.60	228	10033	2.17	ng	97
85) Indeno(1,2,3-cd)pyrene	16.13	276	10028	2.86	ng	# 91
87) Benzo(b)fluoranthene	14.61	252	19753	3.86	ng	98
88) Benzo(k)fluoranthene	14.61	252	19753	4.20	ng	99
89) Benzo(a)pyrene	14.89	252	13456	2.93	ng	97
91) Benzo(a,h,i)perylene	16.47	276	10011	2.82	ng	95

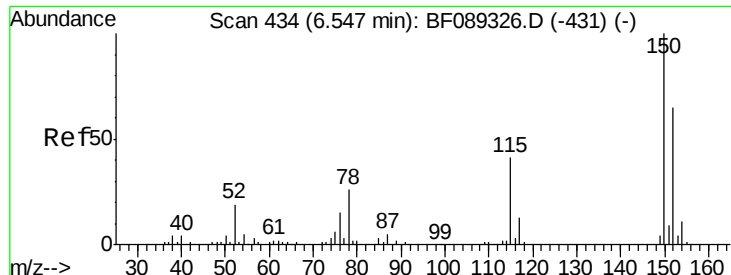
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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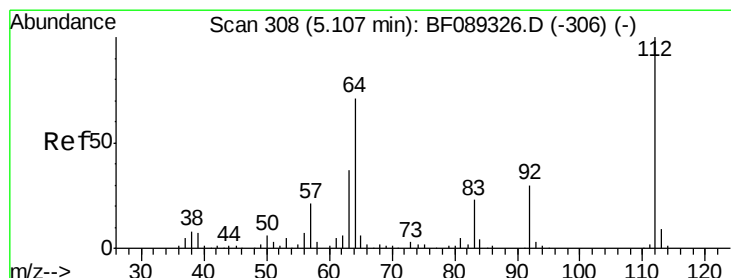
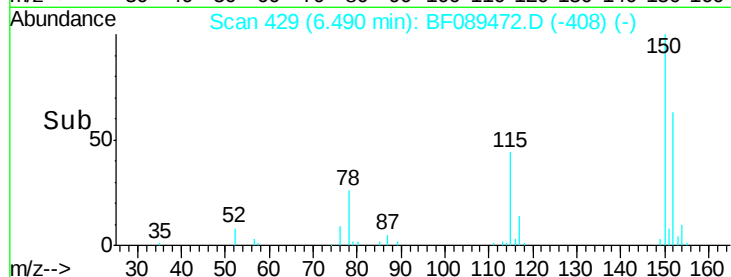
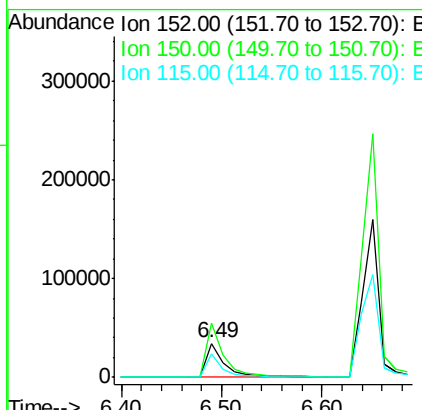
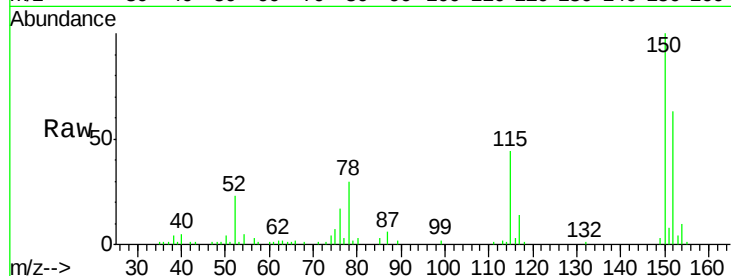




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.49 min Scan# 429
 Delta R.T. -0.06 min
 Lab File: BF089472.D
 Acq: 31 Jul 2016 15:49

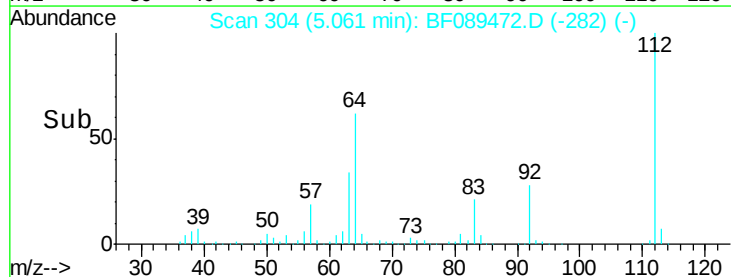
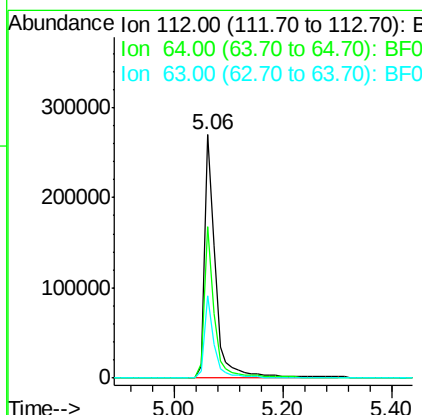
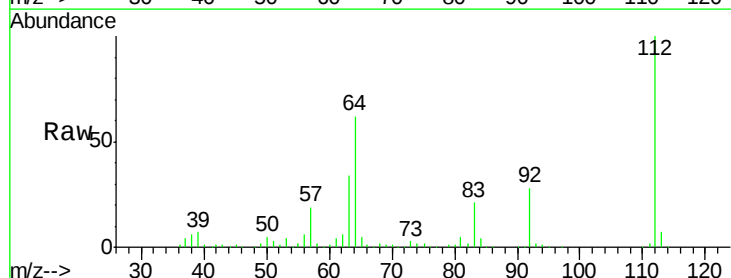
Instrument :
 BNA_F
 ClientSampleId :

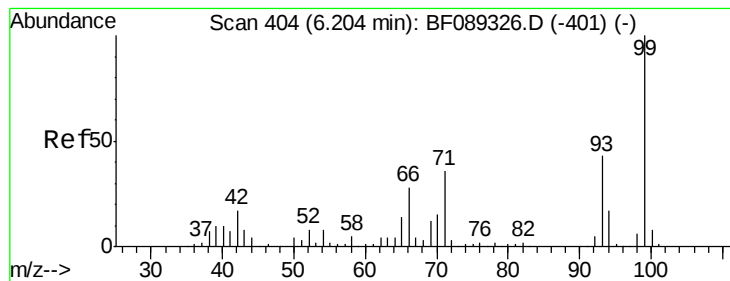
Tot Ion:152 Resp: 45037
 Ion Ratio Lower Upper
 152 100
 150 158.6 129.5 194.3
 115 70.4 51.4 77.2



#5
 2-Fluorophenol
 Concen: 133.06 ng
 RT: 5.06 min Scan# 304
 Delta R.T. -0.05 min
 Lab File: BF089472.D
 Acq: 31 Jul 2016 15:49

Tgt Ion:112 Resp: 375316
 Ion Ratio Lower Upper
 112 100
 64 62.0 55.0 82.6
 63 33.8 29.4 44.2





#7

Phenol-d6

Concen: 148.84 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.05 min

Lab File: BF089472.D

Acq: 31 Jul 2016 15:49

Instrument :

BNA_F

ClientSampled :

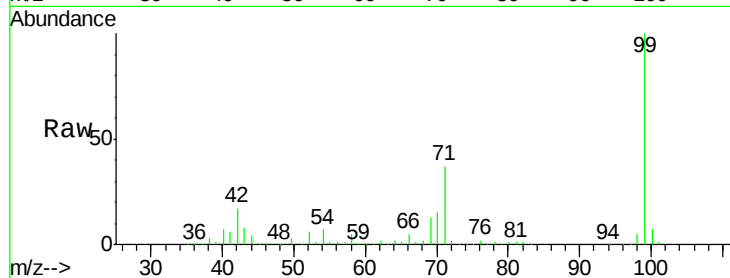
Tot Ion: 99 Resp: 554790

Ion Ratio Lower Upper

99 100

42 16.7 13.6 20.4

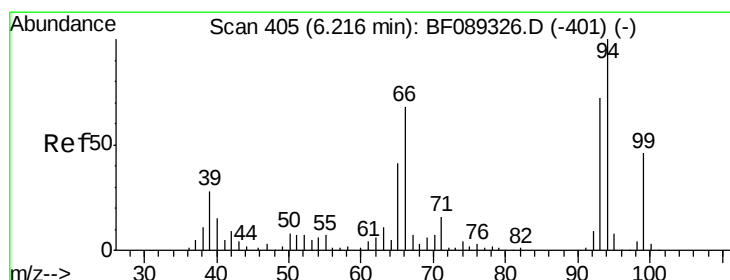
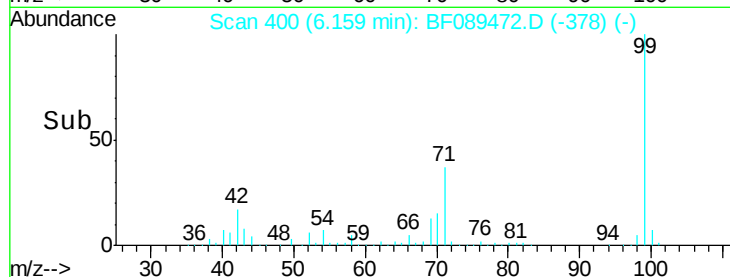
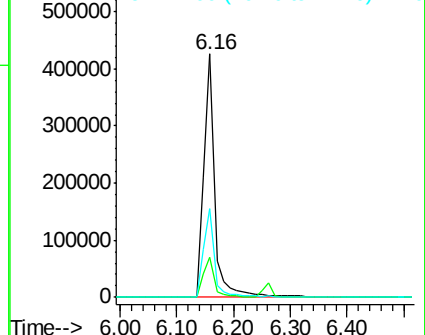
71 36.6 29.4 44.2



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: 2.17 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF089472.D

Acq: 31 Jul 2016 15:49

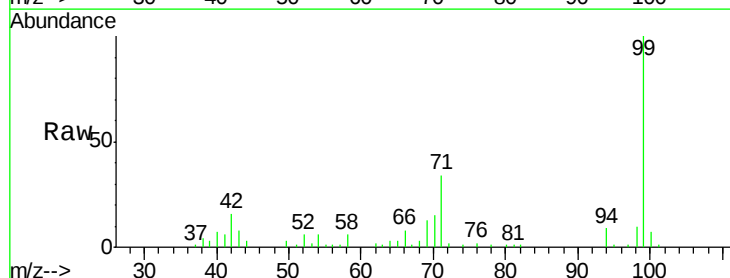
Tgt Ion: 94 Resp: 8945

Ion Ratio Lower Upper

94 100

65 40.6 19.1 59.1

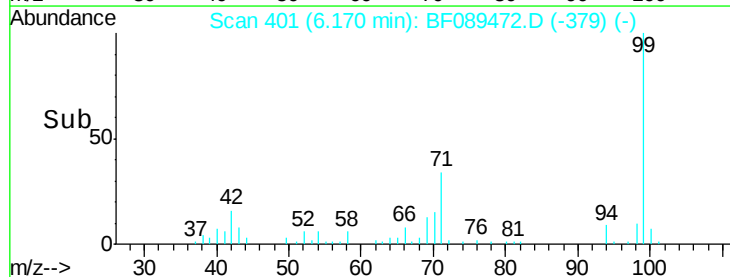
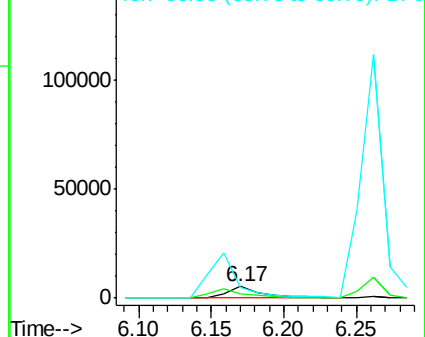
66 92.0 44.4 84.4#

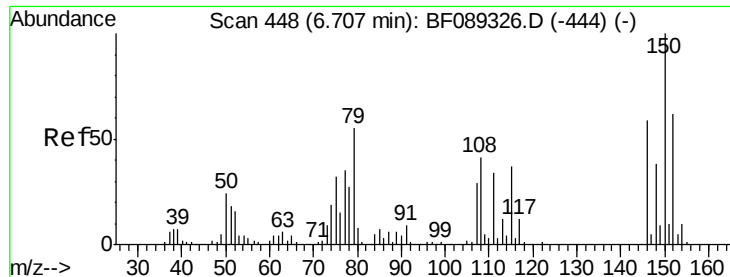


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

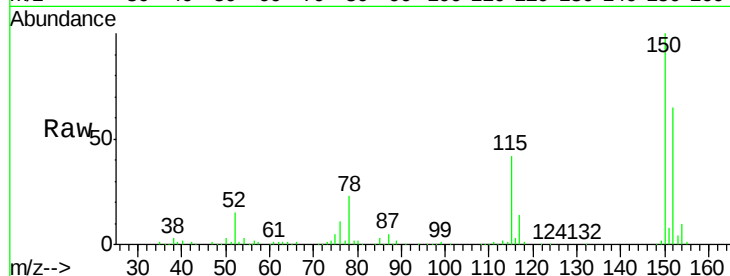




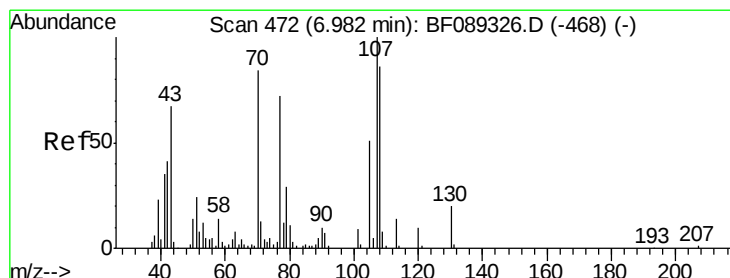
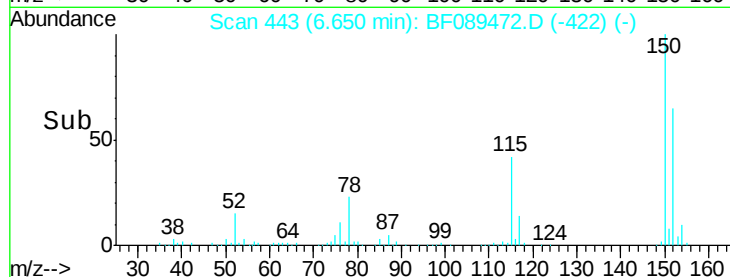
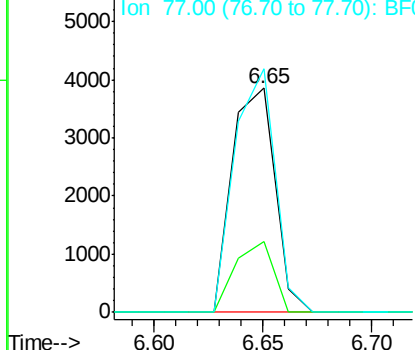
#15
Benzvl Alcohol
Concen: 2.28 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.06 min
Lab File: BF089472.D
Acq: 31 Jul 2016 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 5272
Ion Ratio Lower Upper
79 100
108 31.8 59.8 89.6#
77 108.7 51.7 77.5#

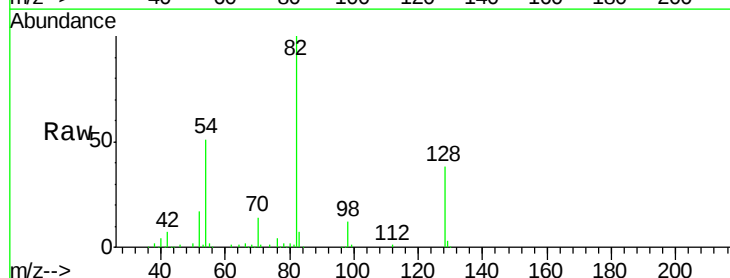


Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): B
Ion 77.00 (76.70 to 77.70): BF0

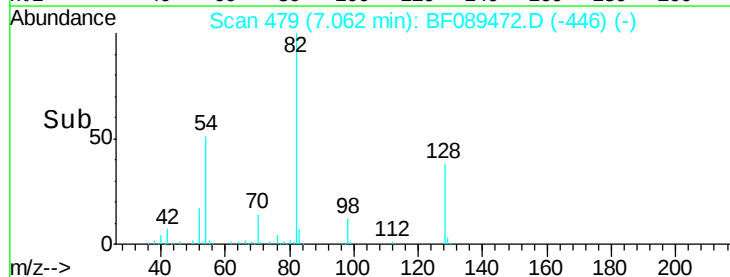
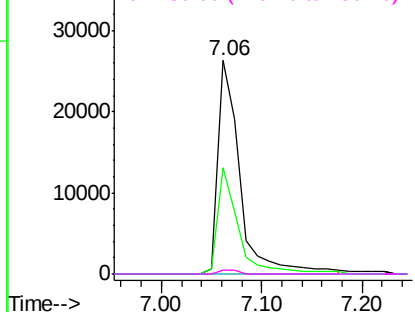


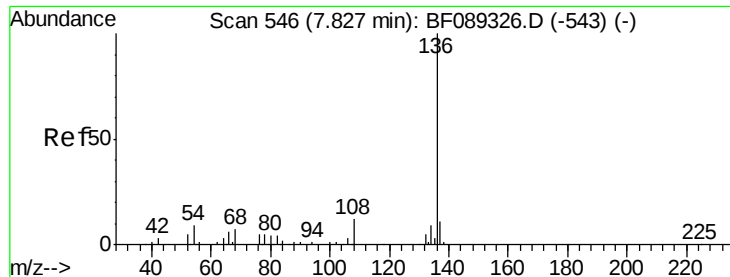
#19
n-Nitroso-di-n-propylamine
Concen: 17.80 ng
RT: 7.06 min Scan# 479
Delta R.T. 0.08 min
Lab File: BF089472.D
Acq: 31 Jul 2016 15:49

Tgt Ion: 70 Resp: 40009
Ion Ratio Lower Upper
70 100
42 50.0 38.6 57.8
101 0.0 8.3 12.5#
130 1.7 19.0 28.4#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): B
Ion 130.00 (129.70 to 130.70): B

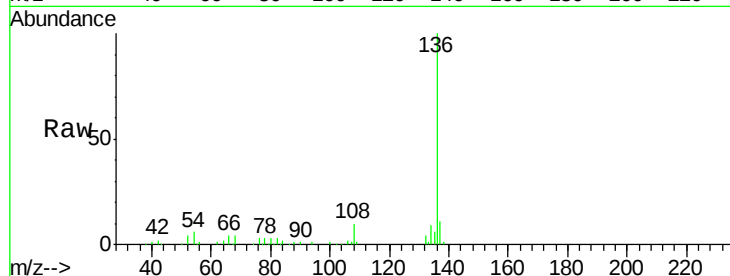




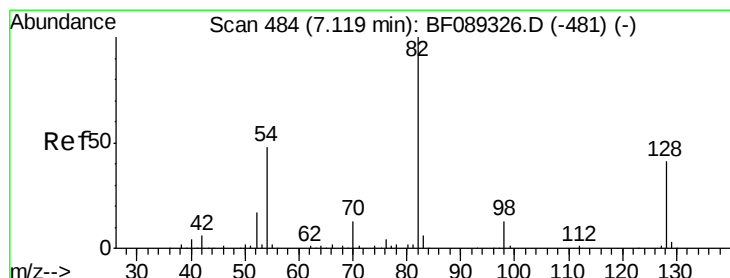
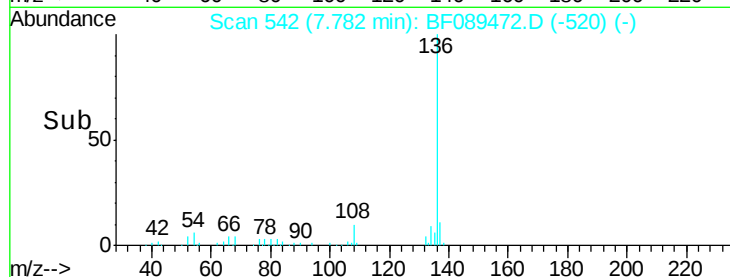
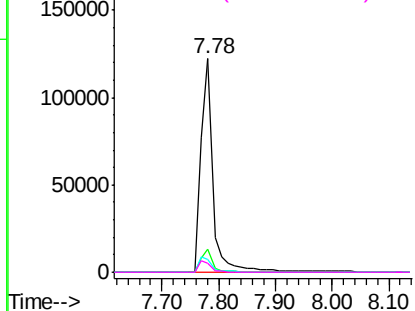
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.05 min
Lab File: BF089472.D
Acq: 31 Jul 2016 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	175018
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.6 13.0
54	5.7	7.0 10.4#
68	4.5	4.9 7.3#

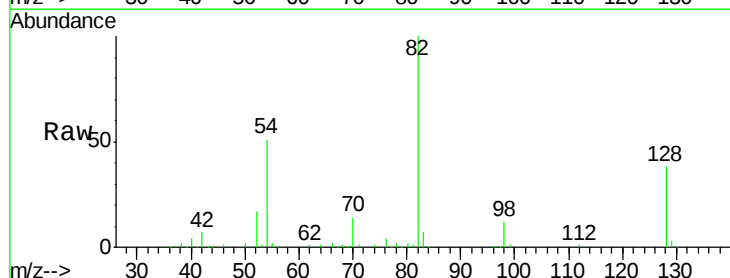


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

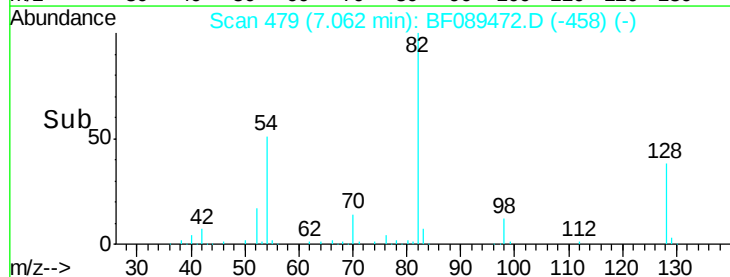
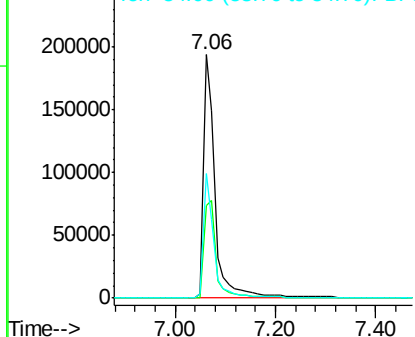


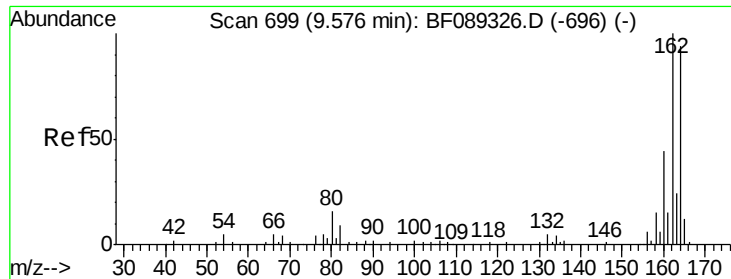
#23
Nitrobenzene-d5
Concen: 105.04 ng
RT: 7.06 min Scan# 479
Delta R.T. -0.06 min
Lab File: BF089472.D
Acq: 31 Jul 2016 15:49

Tgt Ion: 82	Resp:	311464
Ion Ratio	Lower	Upper
82	100	
128	38.0	32.5 48.7
54	51.4	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

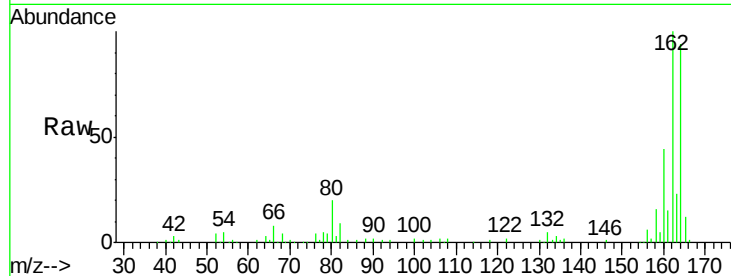




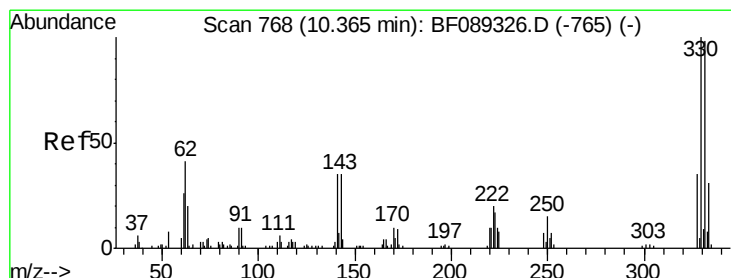
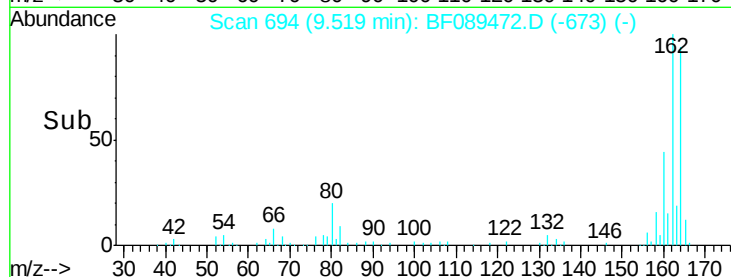
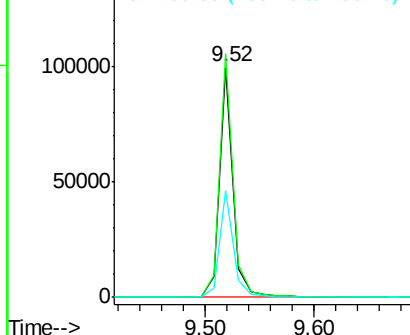
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.06 min
Lab File: BF089472.D
Acq: 31 Jul 2016 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 86459
Ion Ratio Lower Upper
164 100
162 105.9 83.7 125.5
160 46.4 37.8 56.6

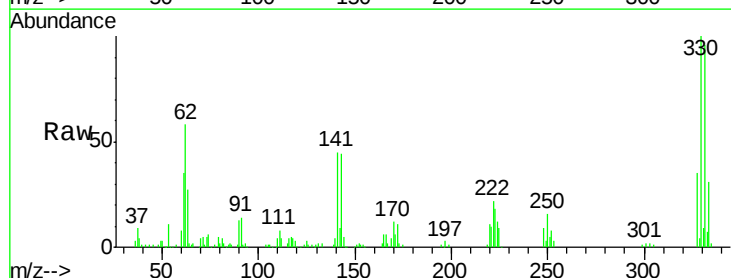


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

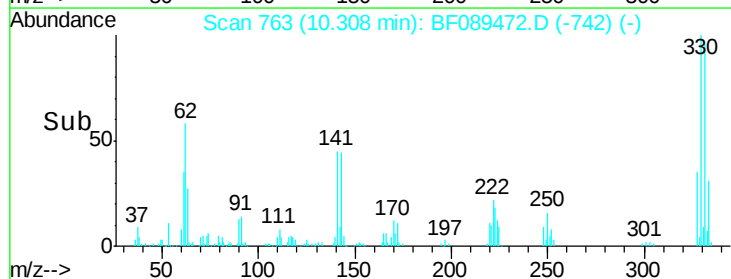
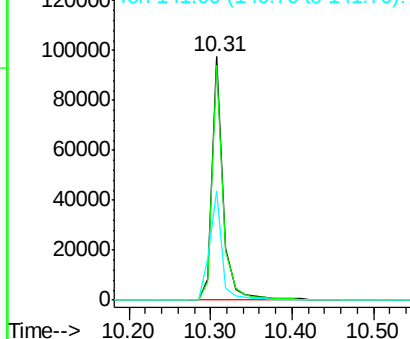


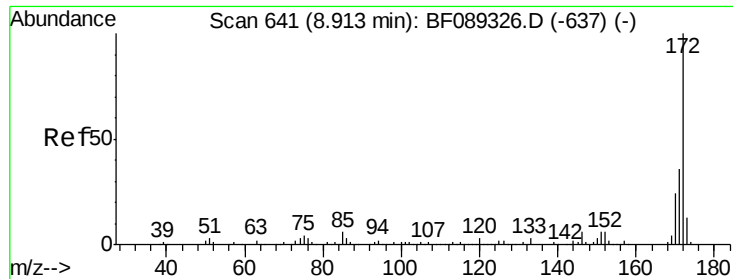
#41
2,4,6-Tribromophenol
Concen: 133.22 ng
RT: 10.31 min Scan# 763
Delta R.T. -0.06 min
Lab File: BF089472.D
Acq: 31 Jul 2016 15:49

Tgt Ion:330 Resp: 95392
Ion Ratio Lower Upper
330 100
332 96.2 76.8 115.2
141 50.0 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

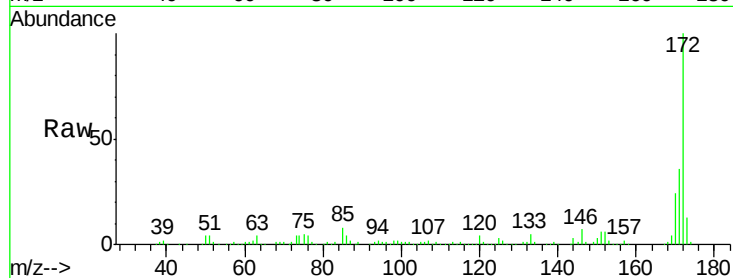




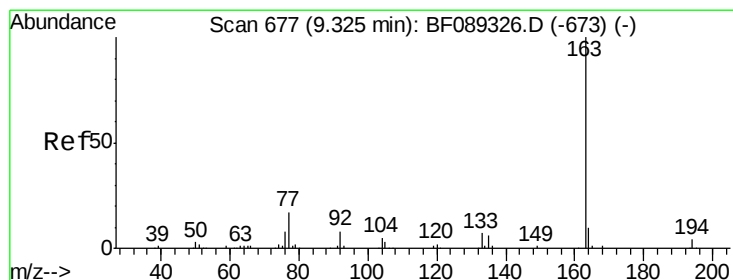
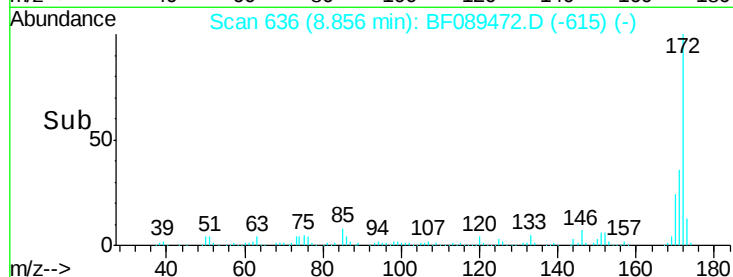
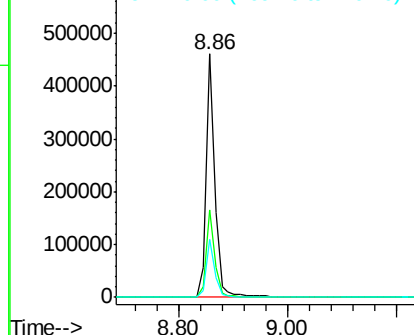
#44
2-Fluorobiphenyl
Concen: 86.76 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.06 min
Lab File: BF089472.D
Acq: 31 Jul 2016 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 511136
Ion Ratio Lower Upper
172 100
171 36.2 29.2 43.8
170 23.6 19.2 28.8

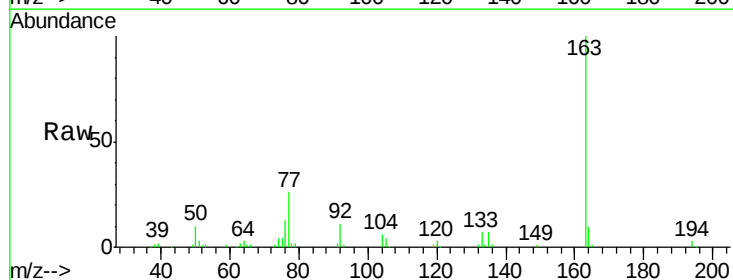


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

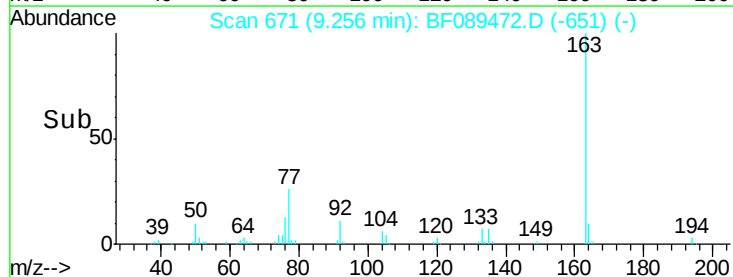
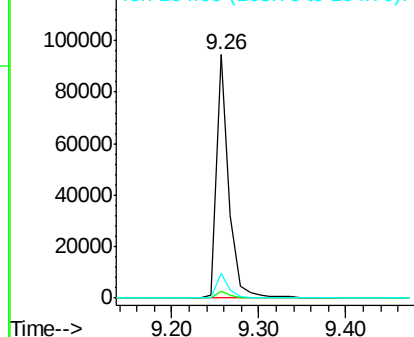


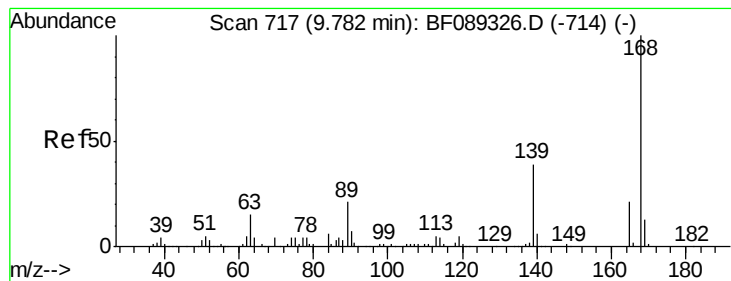
#49
Dimethylphthalate
Concen: 14.41 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.07 min
Lab File: BF089472.D
Acq: 31 Jul 2016 15:49

Tgt Ion:163 Resp: 94791
Ion Ratio Lower Upper
163 100
194 2.9 2.8 4.2
164 10.4 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

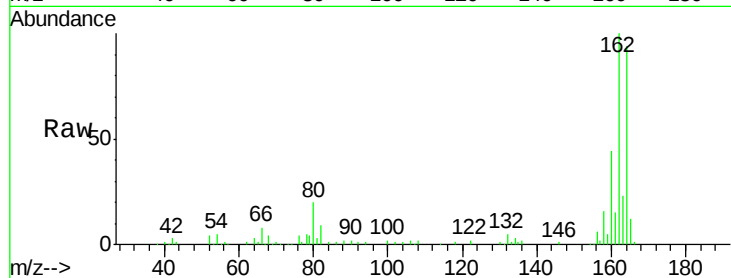




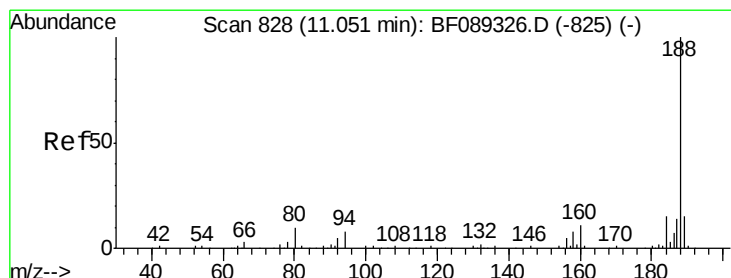
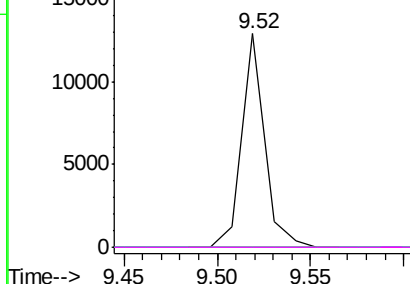
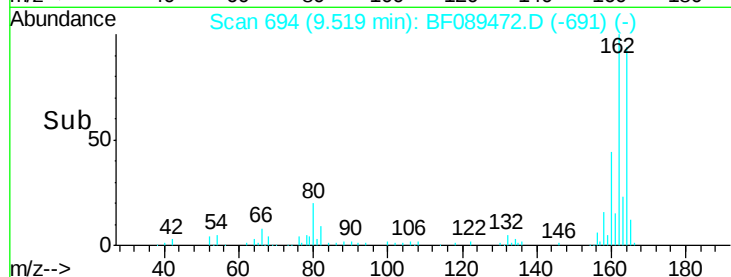
#56
 2,4-Dinitrotoluene
 Concen: 6.20 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.26 min
 Lab File: BF089472.D
 Acq: 31 Jul 2016 15:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 11041
 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#

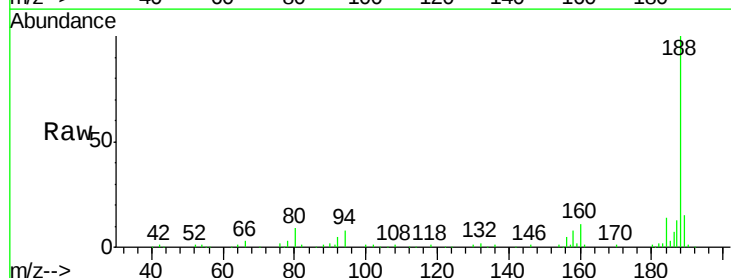


Abundance Ion 165.00 (164.70 to 165.70): E
 20000
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

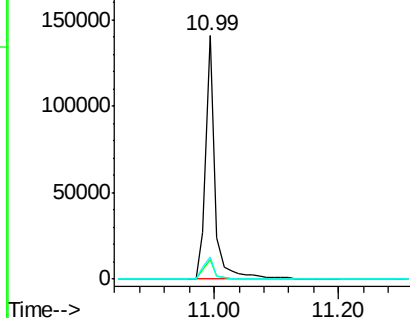
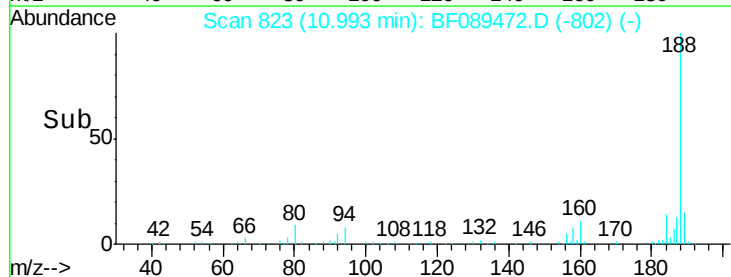


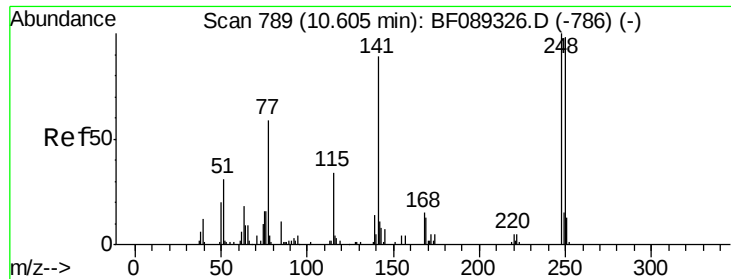
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.06 min
 Lab File: BF089472.D
 Acq: 31 Jul 2016 15:49

Tgt Ion:188 Resp: 149674
 Ion Ratio Lower Upper
 188 100
 94 7.9 6.5 9.7
 80 9.0 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E
 150000
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 5.42 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.30 min

Lab File: BF089472.D

Acq: 31 Jul 2016 15:49

Instrument :

BNA_F

ClientSampled :

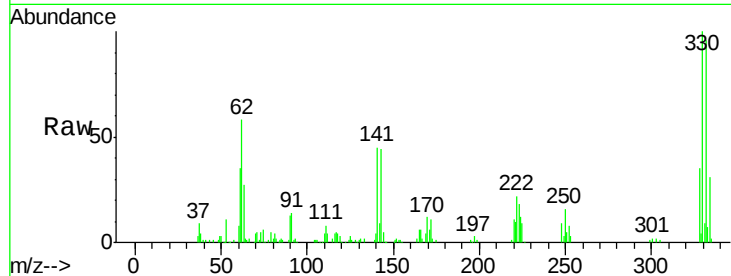
Tot Ion:248 Resp: 7746

Ion Ratio Lower Upper

248 100

250 189.6 78.2 117.2#

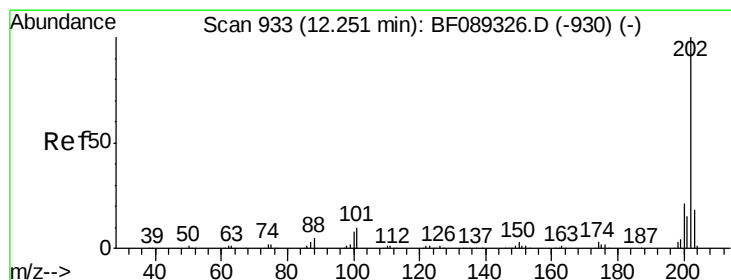
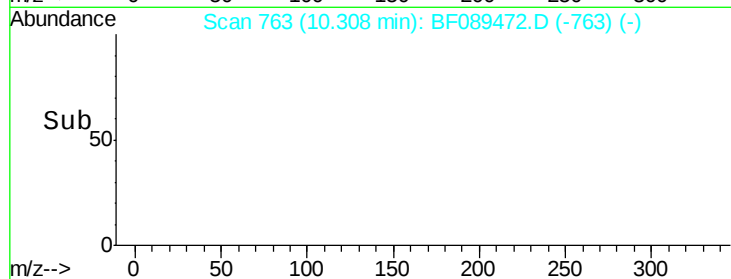
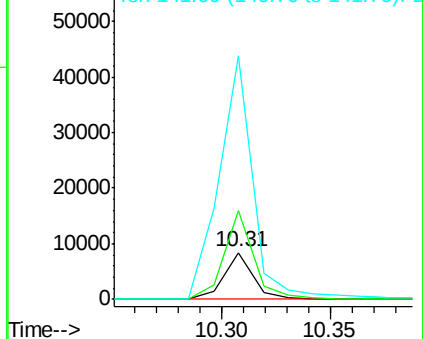
141 522.2 62.0 93.0#



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



#74

Fluoranthene

Concen: 2.06 ng

RT: 12.19 min Scan# 928

Delta R.T. -0.06 min

Lab File: BF089472.D

Acq: 31 Jul 2016 15:49

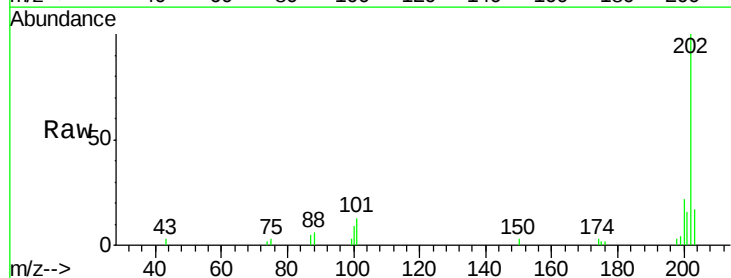
Tgt Ion:202 Resp: 16710

Ion Ratio Lower Upper

202 100

101 13.3 0.0 29.9

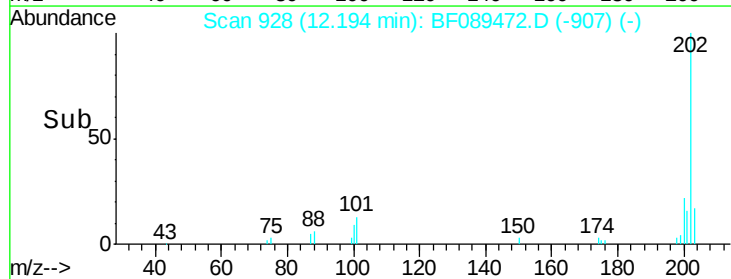
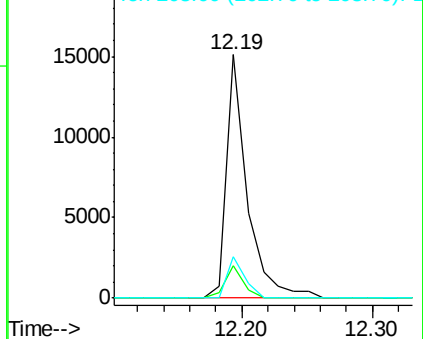
203 16.8 0.0 37.3

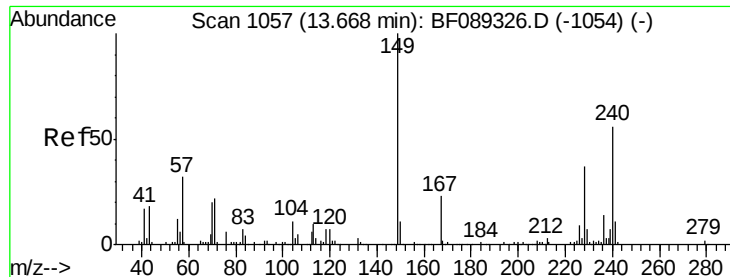


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF089472.D

Acq: 31 Jul 2016 15:49

Instrument :

BNA_F

ClientSampleId :

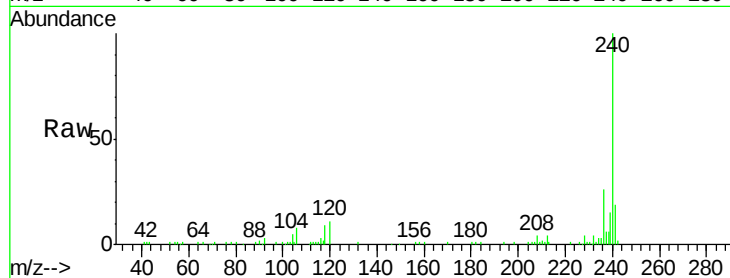
Tot Ion:240 Resp: 82008

Ion Ratio Lower Upper

240 100

120 10.6 9.1 13.7

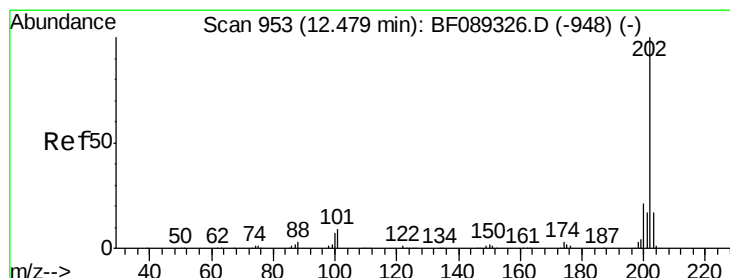
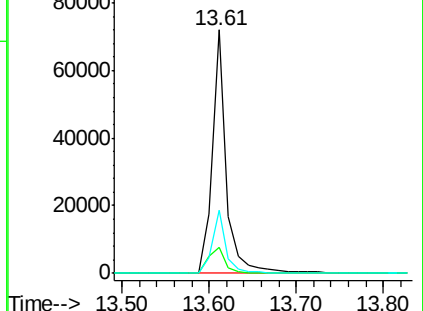
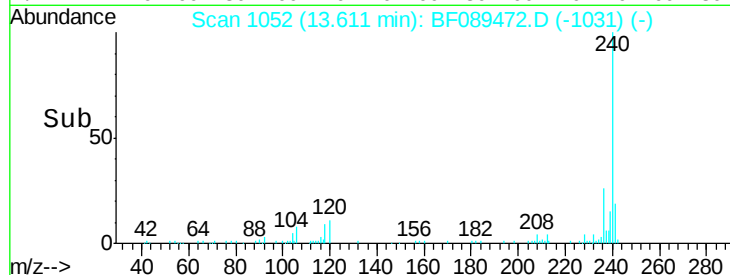
236 25.9 20.6 30.8



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: 2.50 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF089472.D

Acq: 31 Jul 2016 15:49

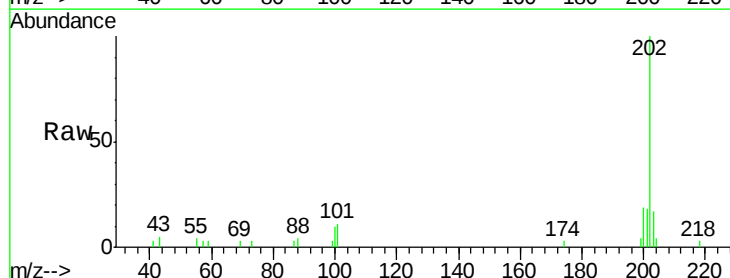
Tgt Ion:202 Resp: 15569

Ion Ratio Lower Upper

202 100

200 19.3 16.9 25.3

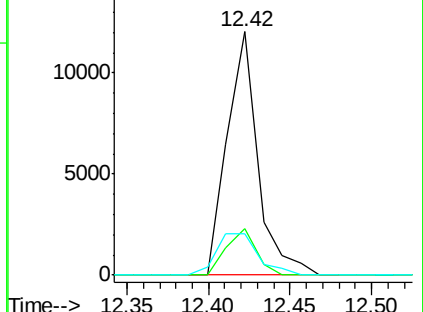
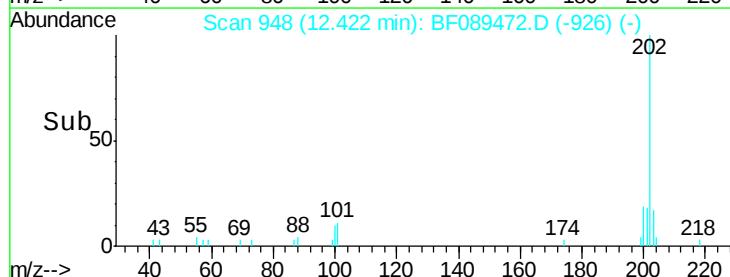
203 17.1 14.0 21.0

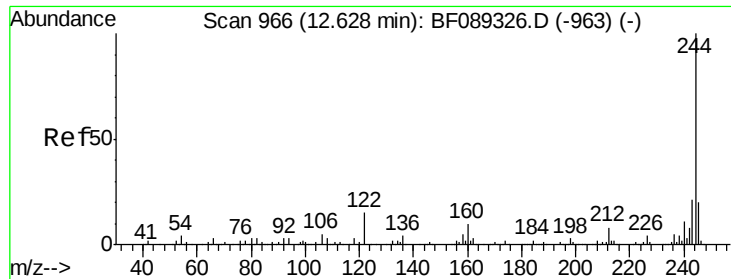


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

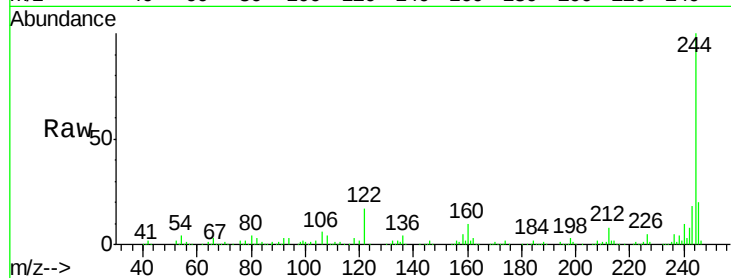




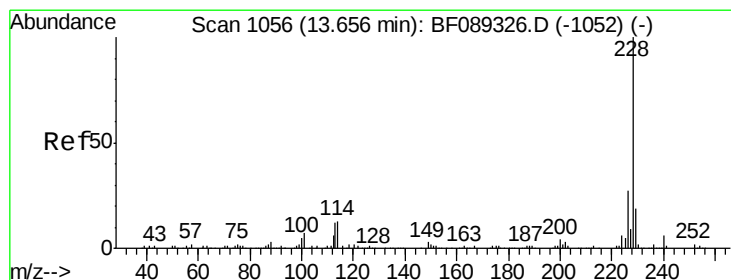
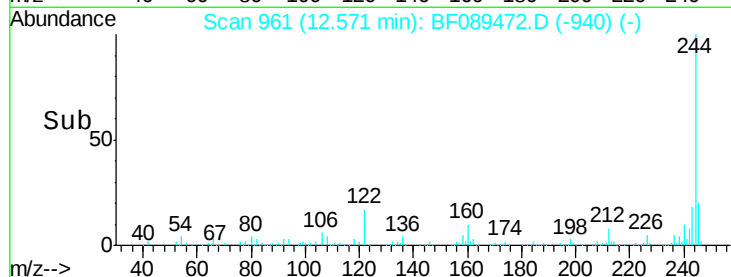
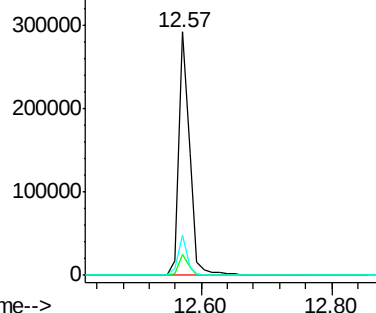
#78
 Terphenyl-d14
 Concen: 97.46 ng
 RT: 12.57 min Scan# 961
 Delta R.T. -0.06 min
 Lab File: BF089472.D
 Acq: 31 Jul 2016 15:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 341480
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.5 9.7
 122 16.5 11.4 17.0

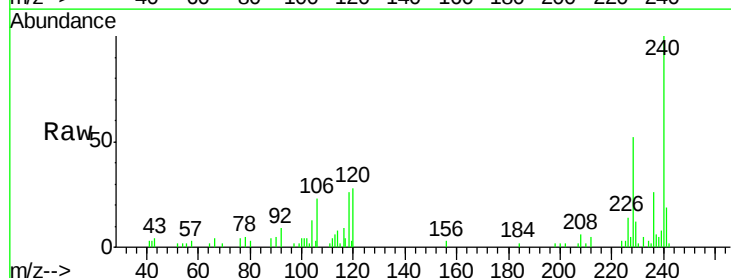


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

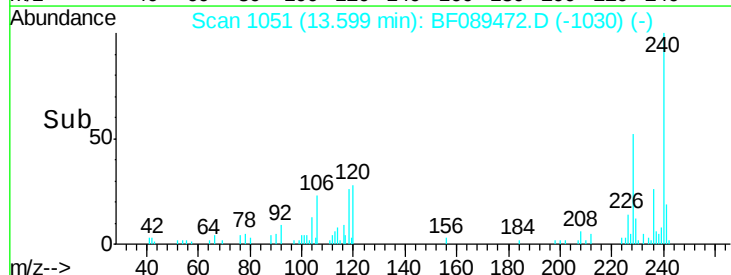
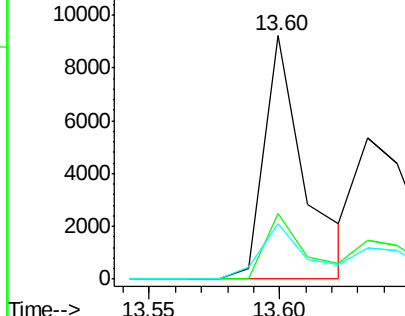


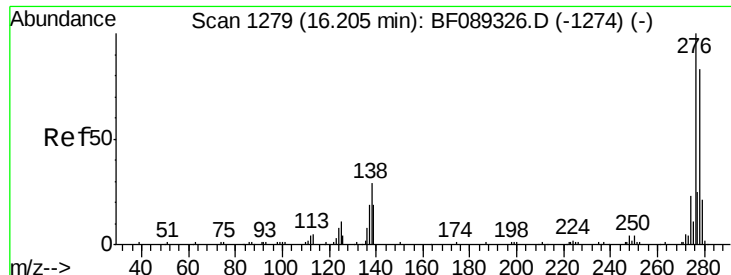
#80
 Benzo(a)anthracene
 Concen: 2.17 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.06 min
 Lab File: BF089472.D
 Acq: 31 Jul 2016 15:49

Tgt Ion:228 Resp: 10033
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.4 32.2
 229 22.5 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

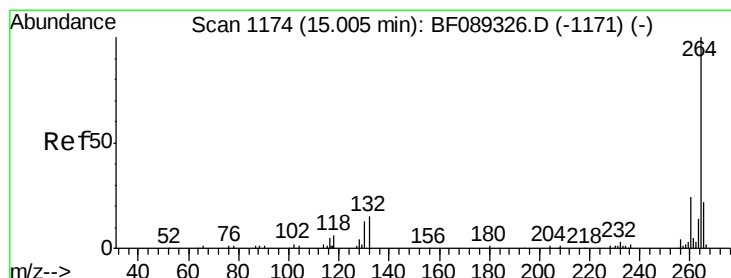
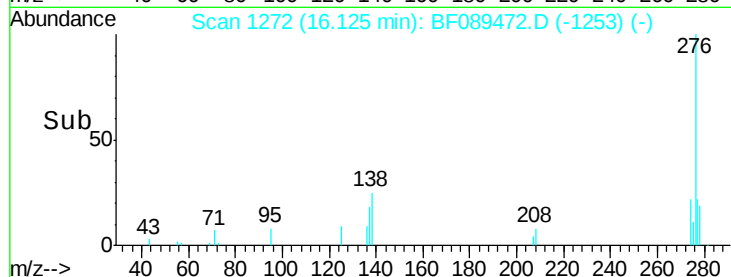
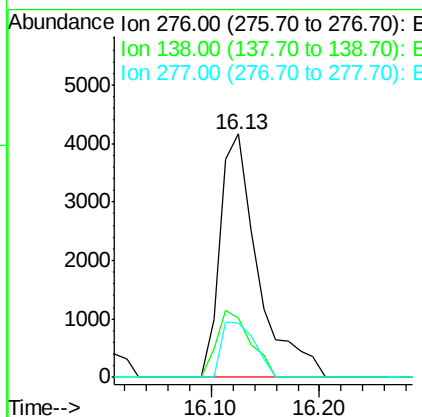
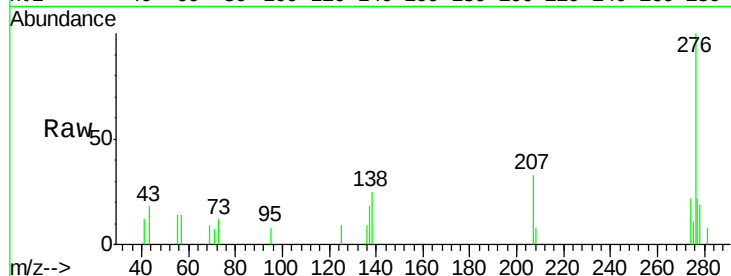




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.86 ng
 RT: 16.13 min Scan# 1272
 Delta R.T. -0.08 min
 Lab File: BF089472.D
 Acq: 31 Jul 2016 15:49

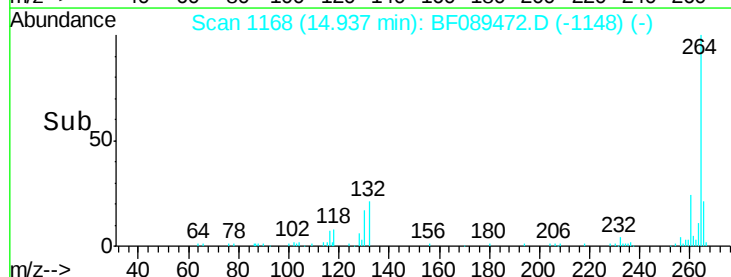
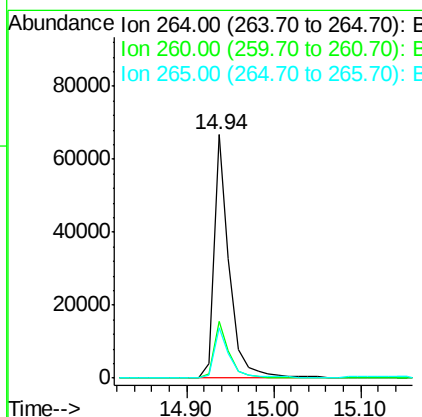
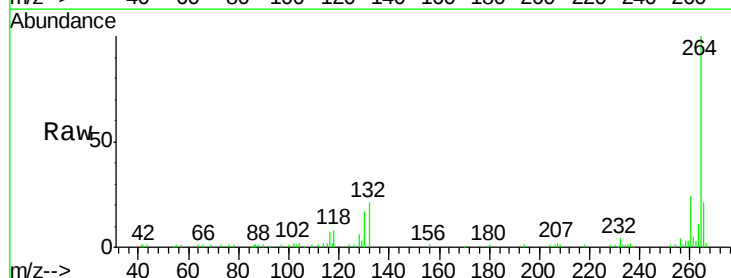
Instrument :
 BNA_F
 ClientSampled :

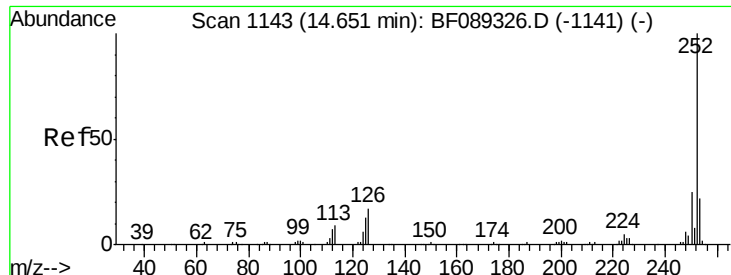
Tot Ion:276 Resp: 10028
 Ion Ratio Lower Upper
 276 100
 138 24.6 23.0 34.4
 277 20.1 20.2 30.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.94 min Scan# 1168
 Delta R.T. -0.07 min
 Lab File: BF089472.D
 Acq: 31 Jul 2016 15:49

Tgt Ion:264 Resp: 82397
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.4
 265 20.9 17.5 26.3

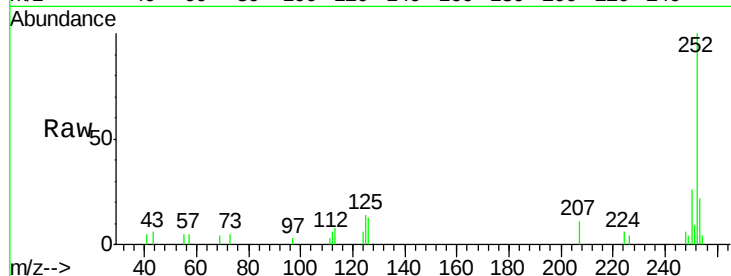




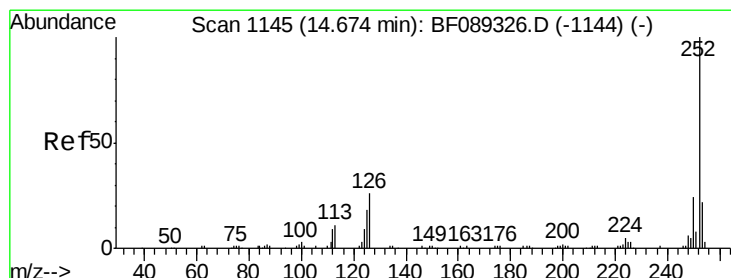
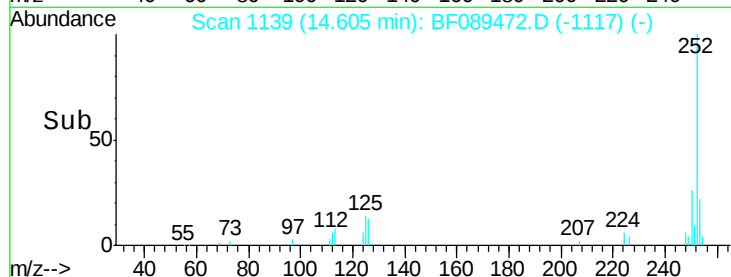
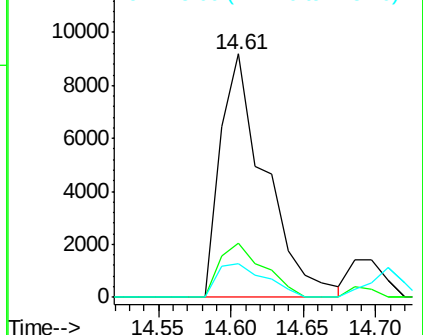
#87
Benzo(b)fluoranthene
Concen: 3.86 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.05 min
Lab File: BF089472.D
Acq: 31 Jul 2016 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 19753
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 13.7 9.7 14.5

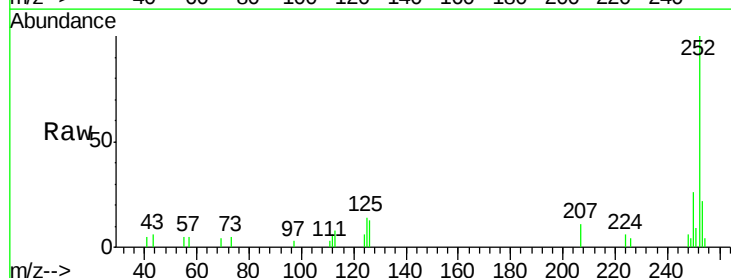


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

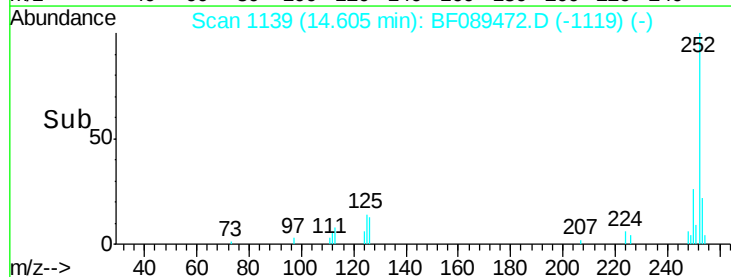
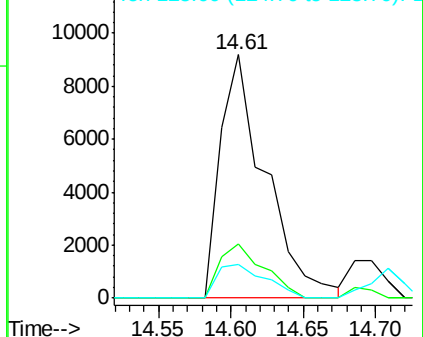


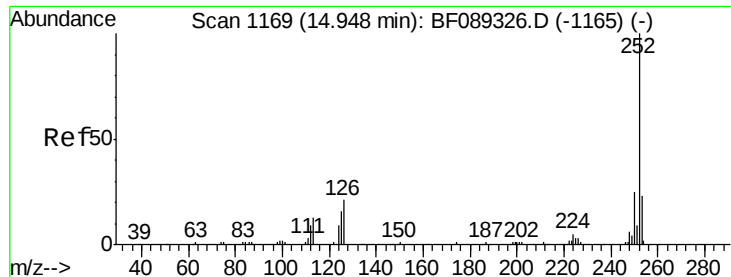
#88
Benzo(k)fluoranthene
Concen: 4.20 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.07 min
Lab File: BF089472.D
Acq: 31 Jul 2016 15:49

Tgt Ion:252 Resp: 19753
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 13.7 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

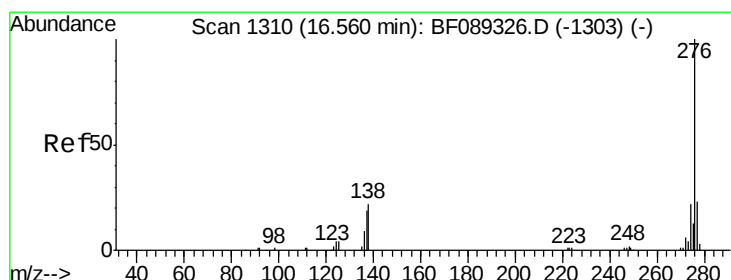
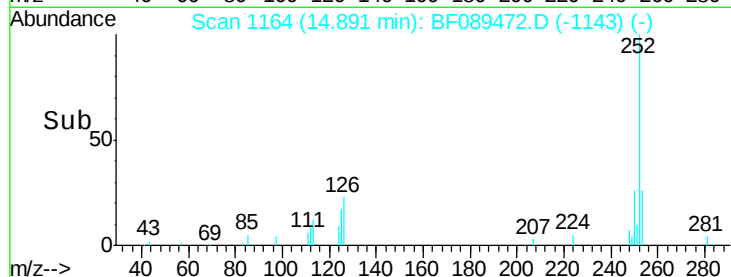
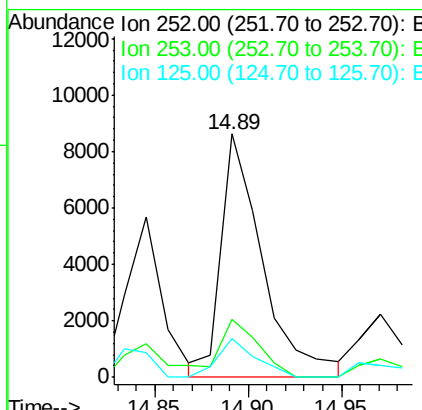
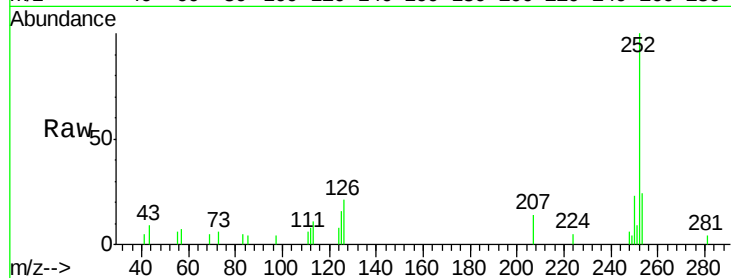




#89
Benzo(a)pyrene
Concen: 2.93 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF089472.D
Acq: 31 Jul 2016 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 13456
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 15.8 12.4 18.6



#91
Benzo(g,h,i)perylene
Concen: 2.82 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.08 min
Lab File: BF089472.D
Acq: 31 Jul 2016 15:49

Tgt Ion:276 Resp: 10011
Ion Ratio Lower Upper
276 100
277 25.7 18.6 28.0
138 23.7 21.4 32.0

