

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
 Data File : BF088670.D
 Acq On : 4 Jul 2016 2:14
 Operator : UM/SJ
 Sample : H3817-12
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 05:03:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

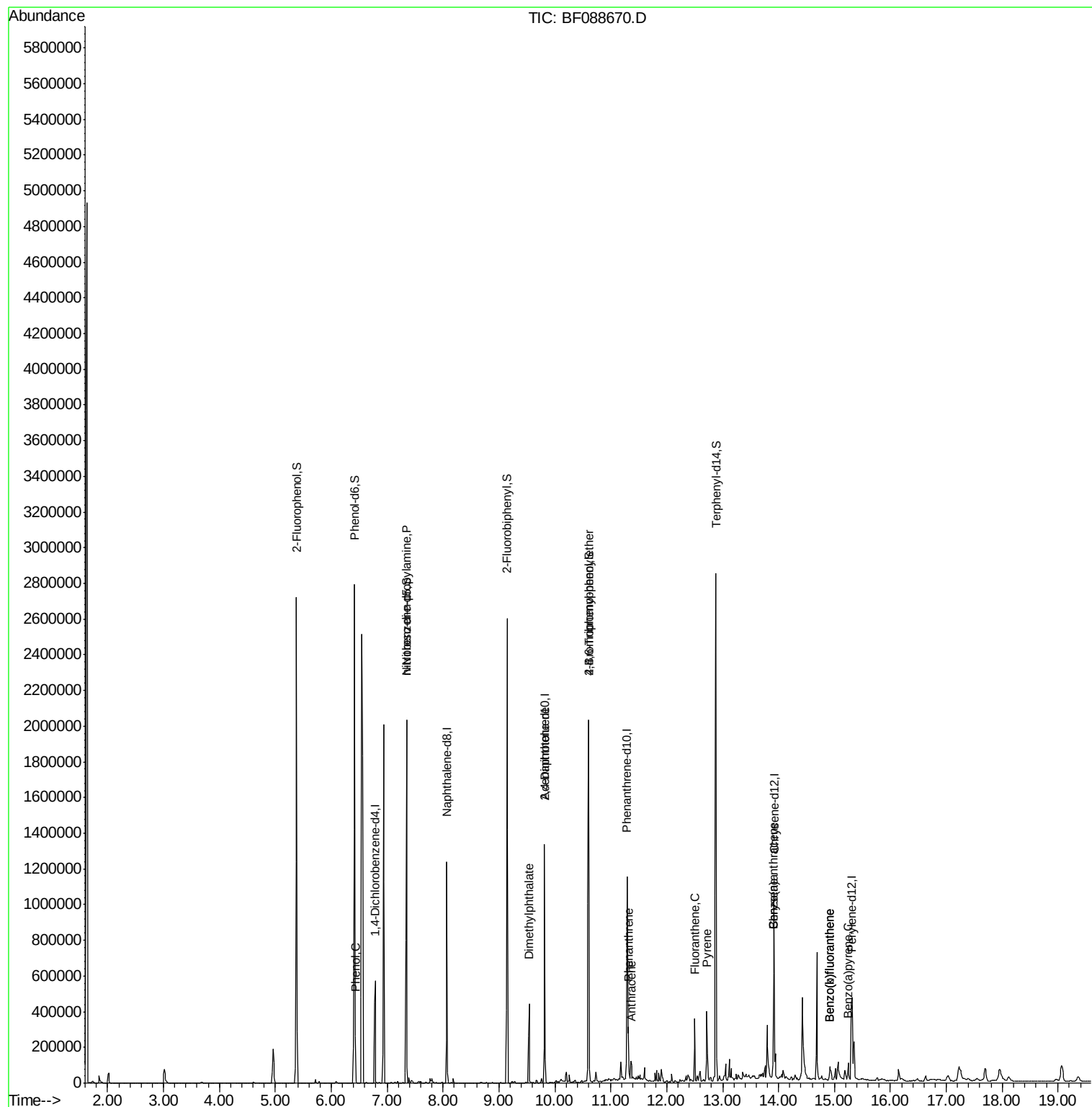
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	117459	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	503388	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	235712	20.00	ng	-0.03
63) Phenanthrene-d10	11.29	188	386171	20.00	ng	-0.03
75) Chrysene-d12	13.92	240	327933	20.00	ng	-0.03
86) Perylene-d12	15.31	264	235956	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	848210	108.23	ng	-0.02
7) Phenol-d6	6.42	99	1125090	111.10	ng	-0.02
23) Nitrobenzene-d5	7.35	82	721914	75.15	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	250037	114.23	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	1037691	69.54	ng	-0.03
78) Terphenyl-d14	12.88	244	853704	57.98	ng	-0.03
Target Compounds						Qvalue
10) Phenol	6.43	94	37027	3.20	ng	96
19) n-Nitroso-di-n-propylamine	7.35	70	99757	14.67	ng	# 72
49) Dimethylphthalate	9.54	163	227375	13.54	ng	98
56) 2,4-Dinitrotoluene	9.82	165	30430	6.25	ng	# 38
66) 4-Bromophenyl-phenylether	10.60	248	18012	4.63	ng	# 1
70) Phenanthrene	11.31	178	98081	4.65	ng	98
71) Anthracene	11.37	178	42915	2.04	ng	96
74) Fluoranthene	12.50	202	161863	7.56	ng	94
77) Pyrene	12.72	202	163203	5.87	ng	99
80) Benzo(a)anthracene	13.91	228	78347	3.71	ng	# 74
82) Chrysene	13.91	228	78347	3.75	ng	# 79
87) Benzo(b)fluoranthene	14.91	252	58095	3.92	ng	# 93
88) Benzo(k)fluoranthene	14.91	252	58095	4.51	ng	98
89) Benzo(a)pyrene	15.25	252	38449	3.07	ng	99

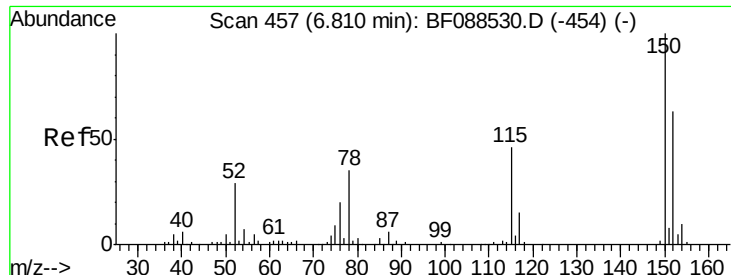
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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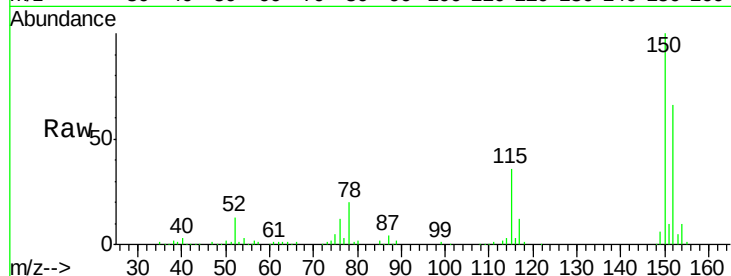


#1

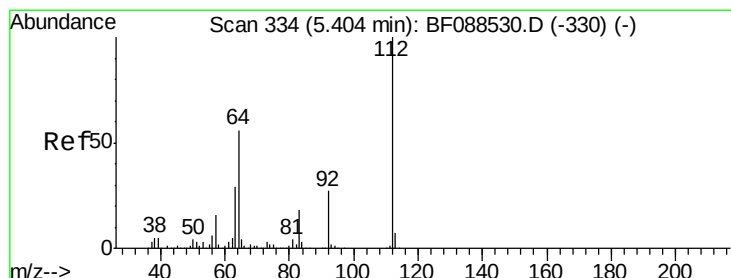
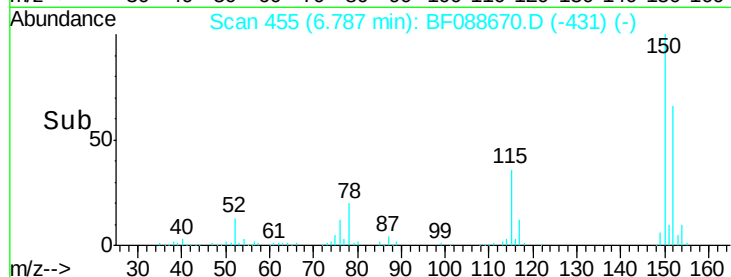
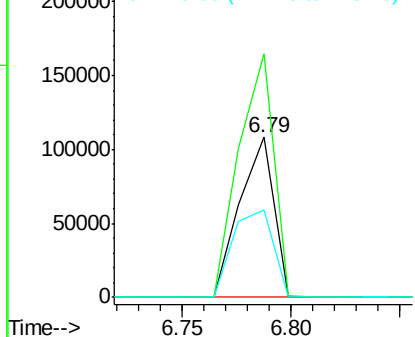
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117459
Ion Ratio Lower Upper
152 100
150 152.4 123.8 185.6
115 54.6 39.6 59.4



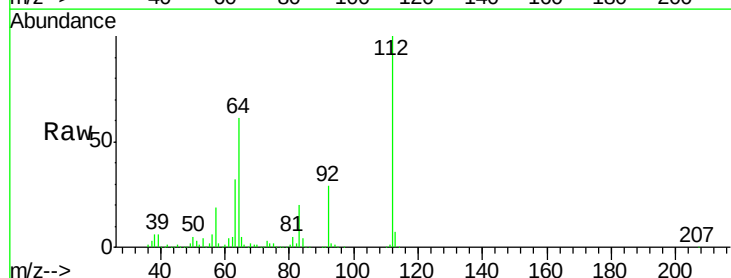
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



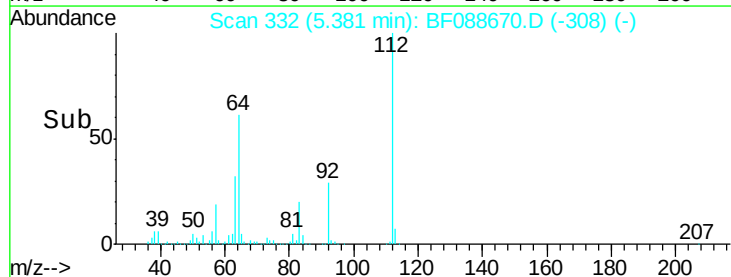
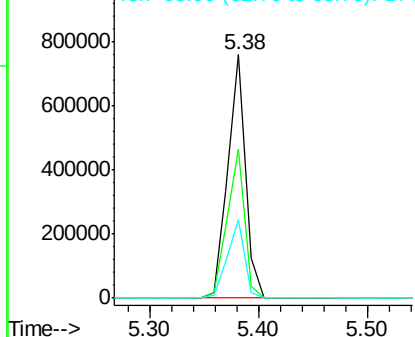
#5

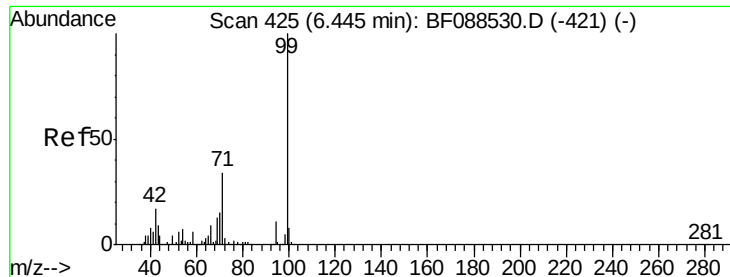
2-Fluorophenol
Concen: 108.23 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.02 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Tgt Ion:112 Resp: 848210
Ion Ratio Lower Upper
112 100
64 61.2 42.2 63.2
63 32.3 21.8 32.8



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: 111.10 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088670.D

Acq: 4 Jul 2016 2:14

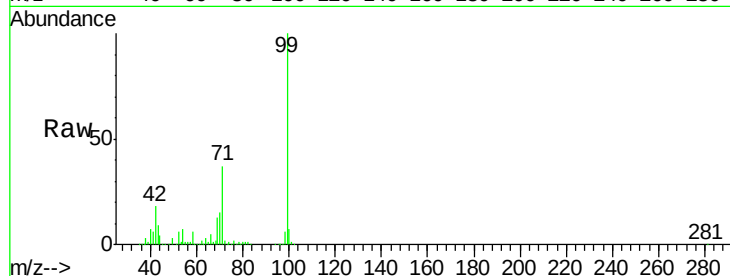
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1125090

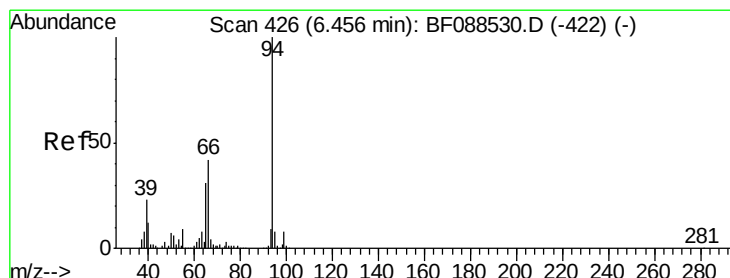
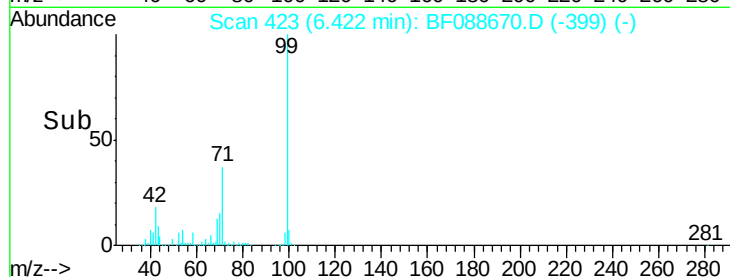
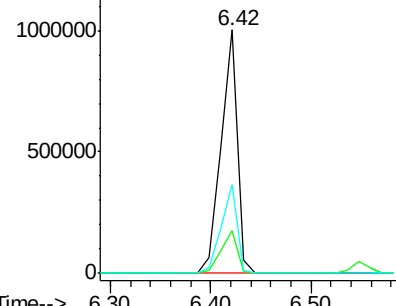
Ion	Ratio	Lower	Upper
99	100		
42	17.7	12.2	18.2
71	36.7	23.4	35.0



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: 3.20 ng

RT: 6.43 min Scan# 424

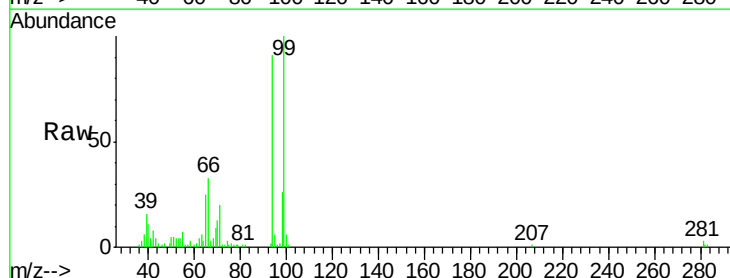
Delta R.T. -0.02 min

Lab File: BF088670.D

Acq: 4 Jul 2016 2:14

Tgt Ion: 94 Resp: 37027

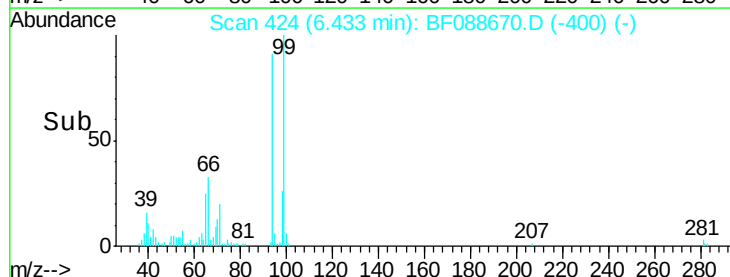
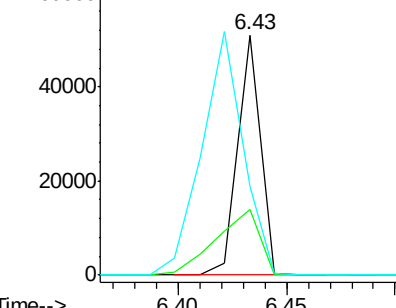
Ion	Ratio	Lower	Upper
94	100		
65	27.3	5.9	45.9
66	36.9	14.0	54.0

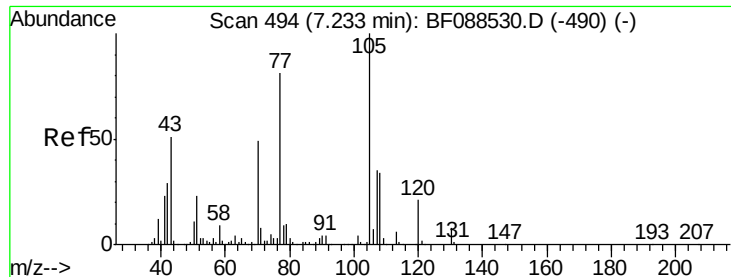


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

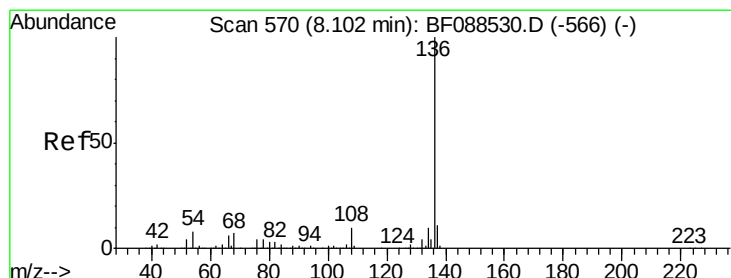
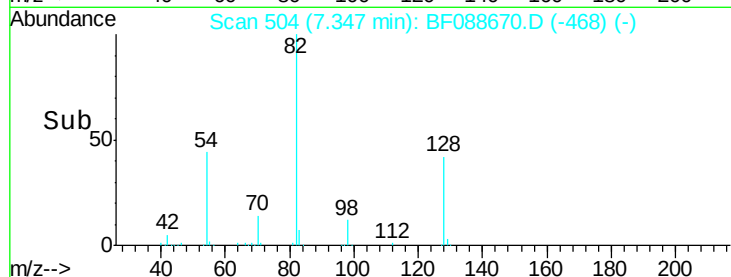
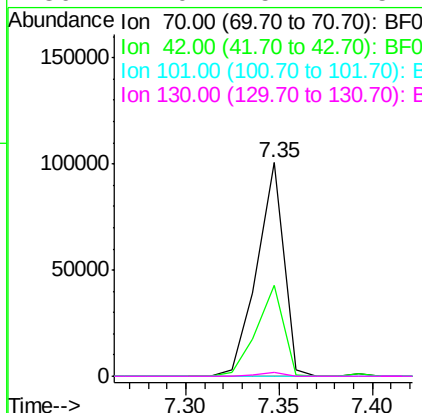
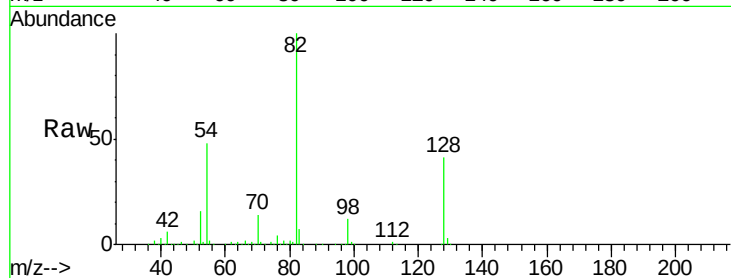




#19
n-Nitroso-di-n-propylamine
Concen: 14.67 ng
RT: 7.35 min Scan# 504
Delta R.T. 0.11 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

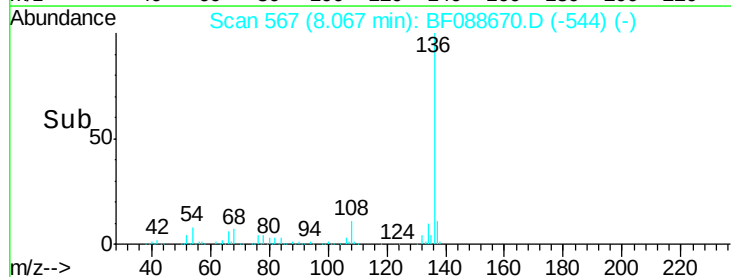
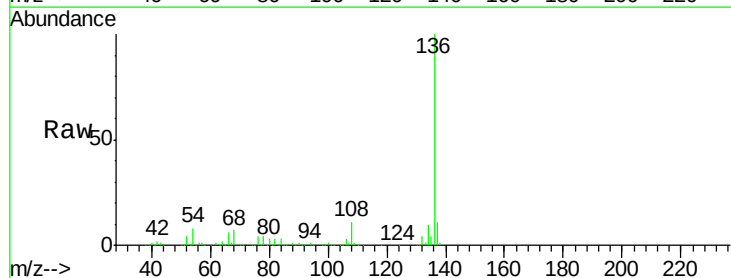
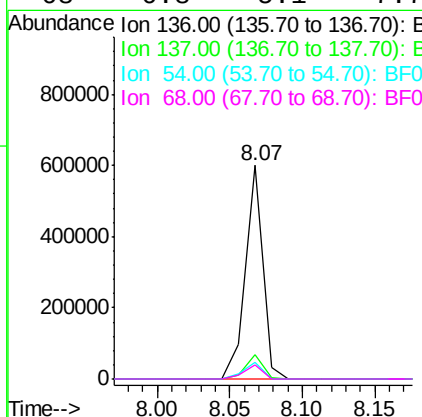
Instrument :
BNA_F
ClientSampleId :

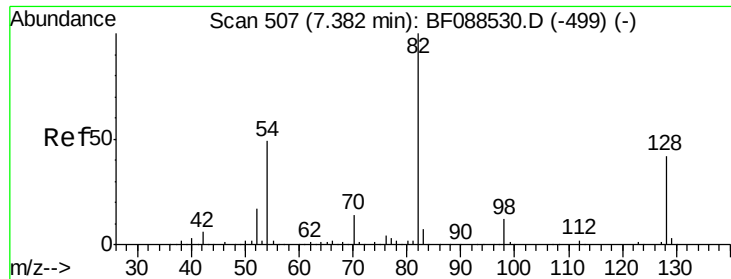
Tot Ion: 70 Resp: 99757
Ion Ratio Lower Upper
70 100
42 42.4 49.6 74.4#
101 0.0 7.1 10.7#
130 2.0 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.03 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Tgt Ion:136 Resp: 503388
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.7 6.6 10.0
68 6.8 5.1 7.7

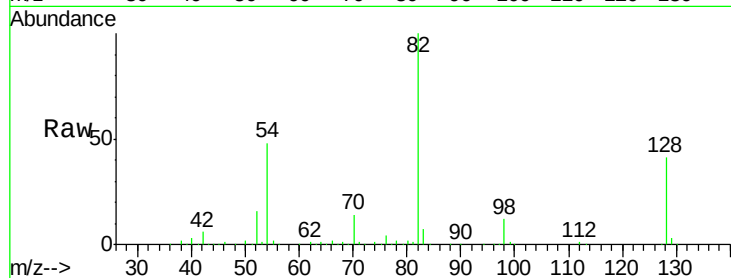




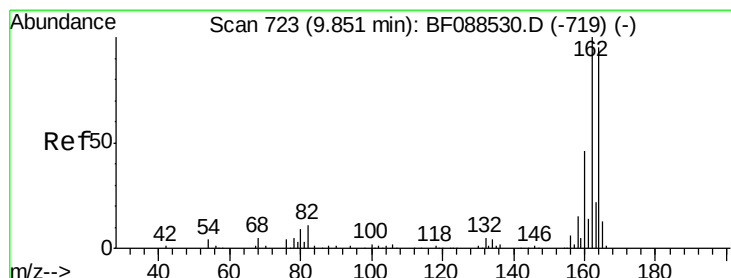
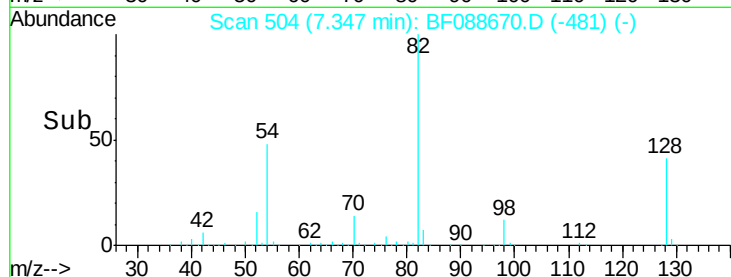
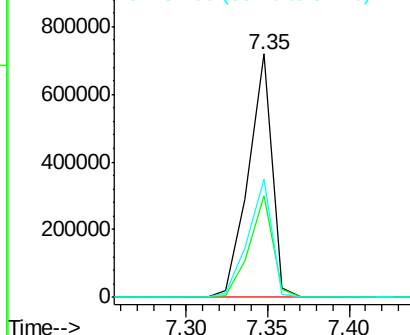
#23
Nitrobenzene-d5
Concen: 75.15 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.03 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Instrument :
BNA_F
ClientSampleID :

Tot Ion: 82 Resp: 721914
Ion Ratio Lower Upper
82 100
128 41.5 35.9 53.9
54 48.4 40.9 61.3

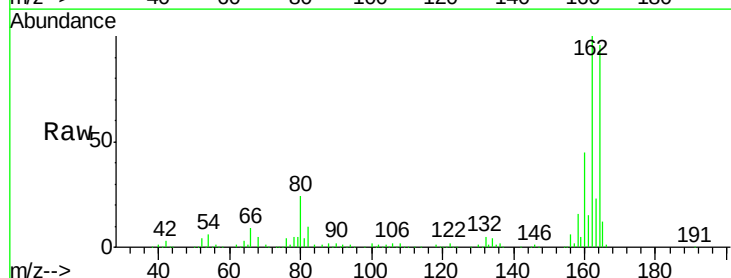


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

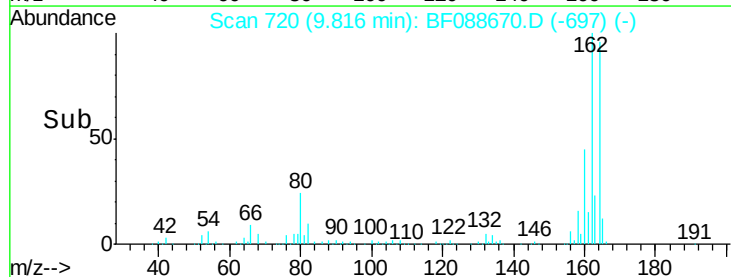
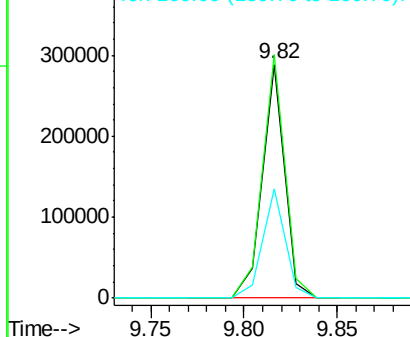


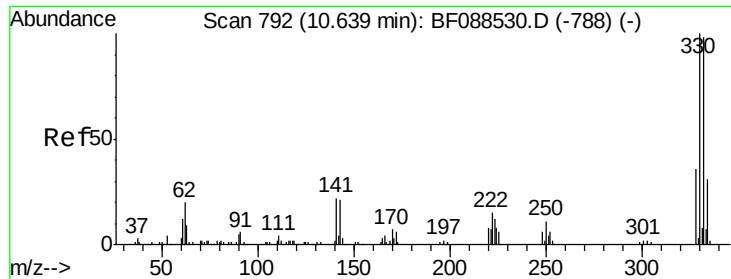
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.03 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Tgt Ion:164 Resp: 235712
Ion Ratio Lower Upper
164 100
162 104.2 85.4 128.2
160 46.8 39.5 59.3



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

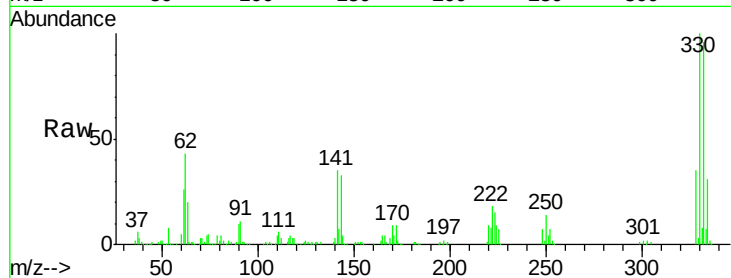




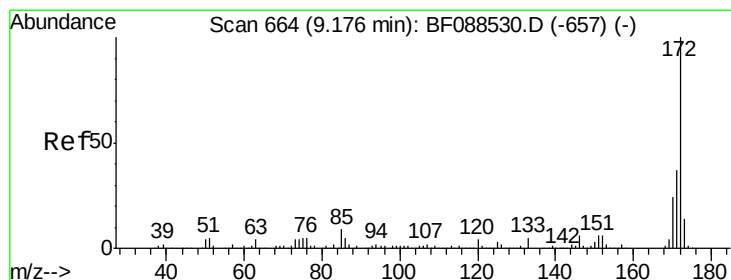
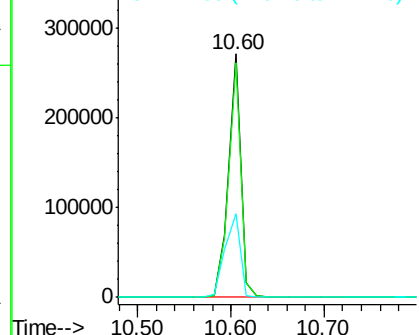
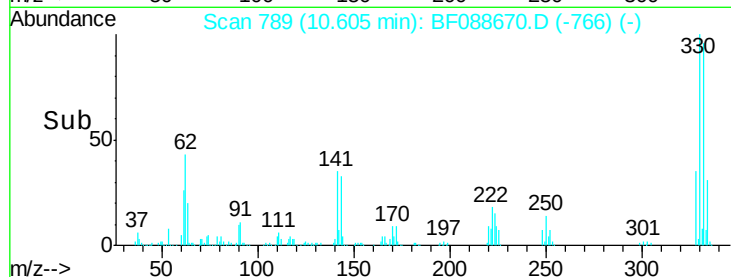
#41
 2,4,6-Tribromophenol
 Concen: 114.23 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF088670.D
 Acq: 4 Jul 2016 2:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	0.0	0.0#
141	42.0	0.0	0.0#

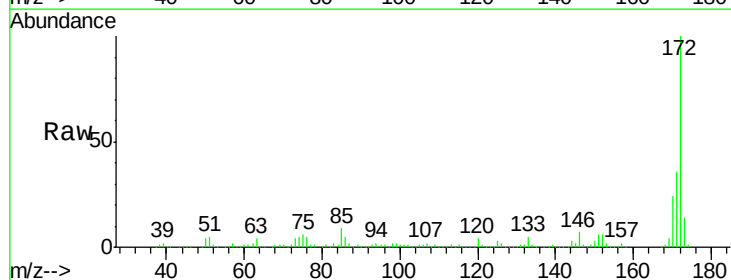


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

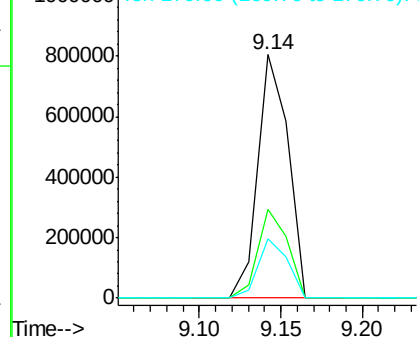
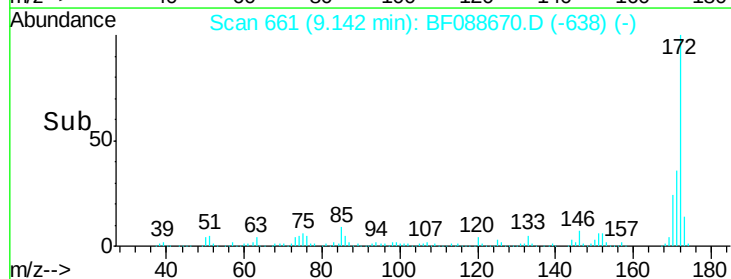


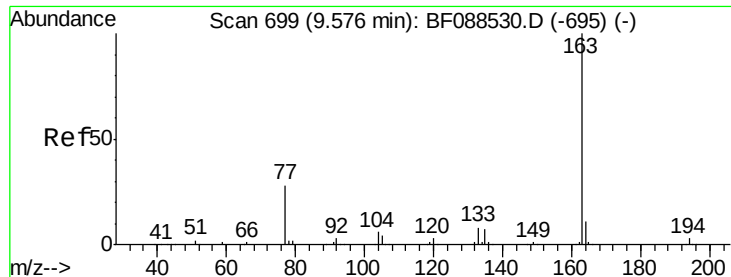
#44
 2-Fluorobiphenyl
 Concen: 69.54 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.03 min
 Lab File: BF088670.D
 Acq: 4 Jul 2016 2:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.4	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

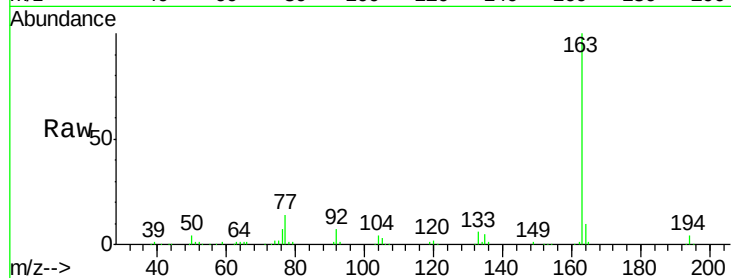




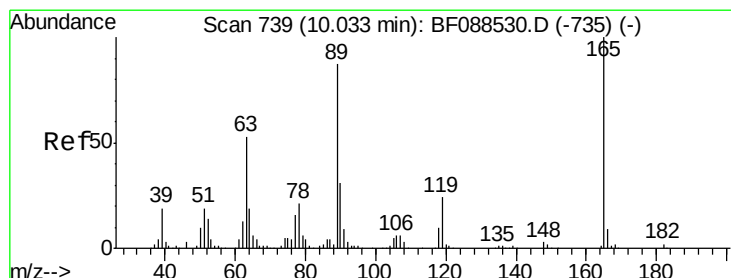
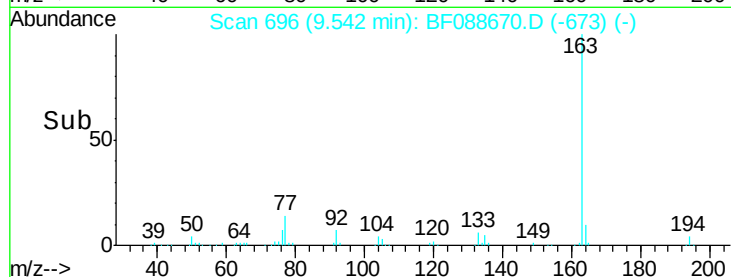
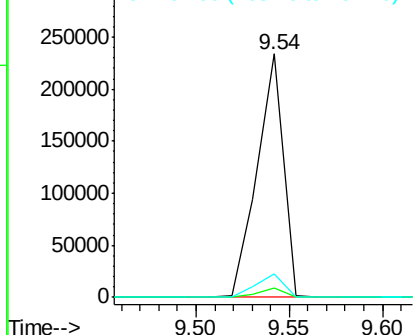
#49
Dimethylphthalate
Concen: 13.54 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 227375
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 9.6 8.3 12.5

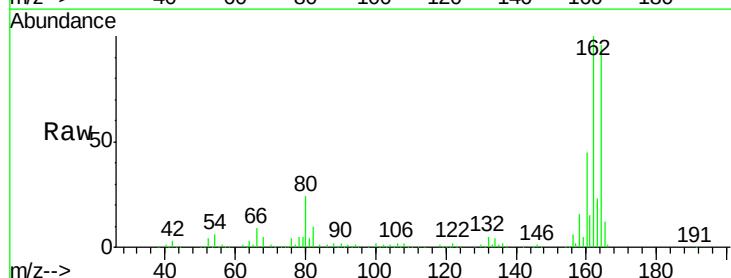


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

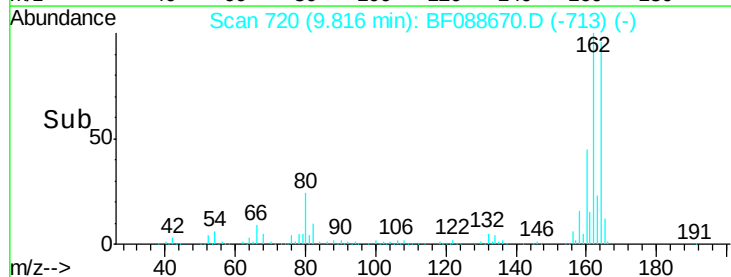
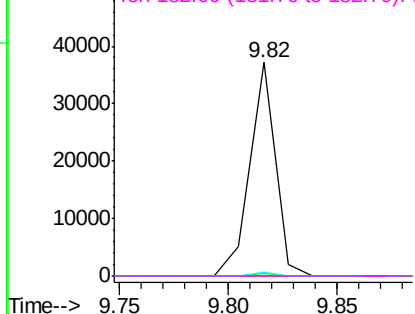


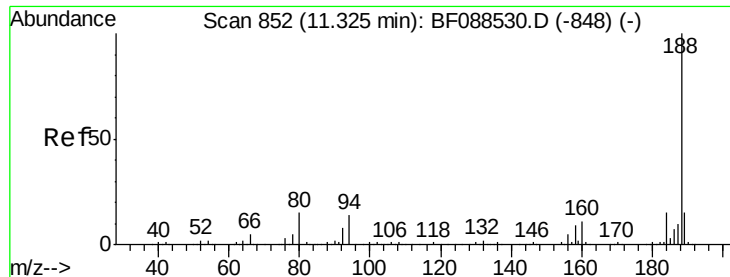
#56
2,4-Dinitrotoluene
Concen: 6.25 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.22 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Tgt Ion:165 Resp: 30430
Ion Ratio Lower Upper
165 100
63 1.4 22.0 33.0#
89 1.6 41.1 61.7#
182 0.0 2.0 3.0#



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

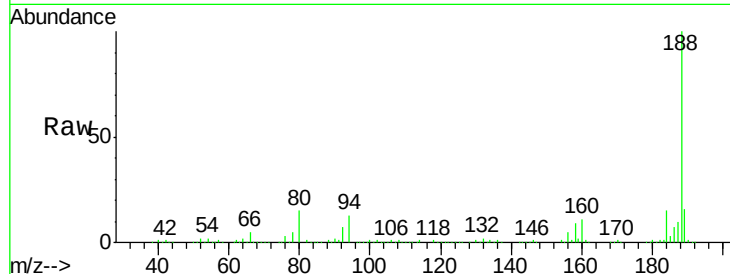




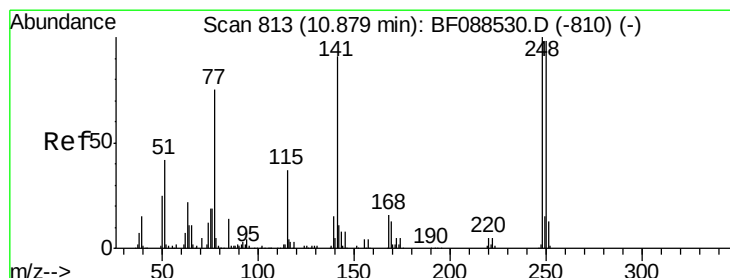
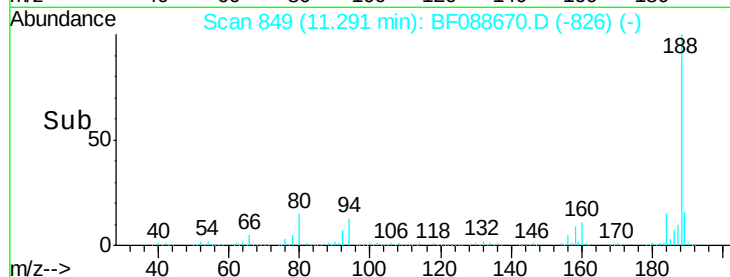
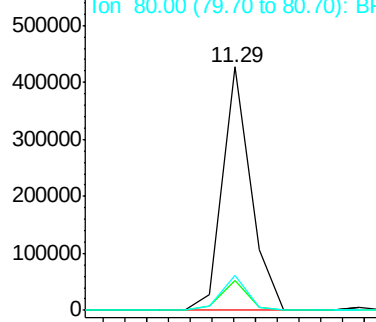
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.03 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 386171
Ion Ratio Lower Upper
188 100
94 12.5 9.0 13.6
80 14.5 10.0 15.0

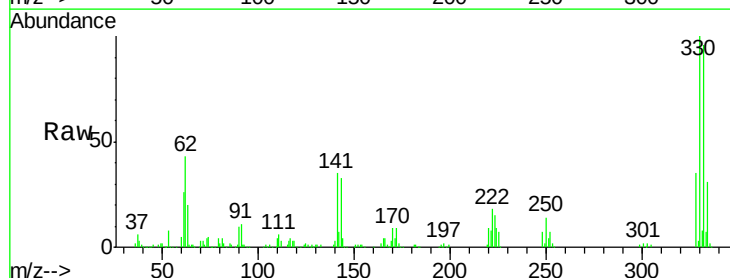


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

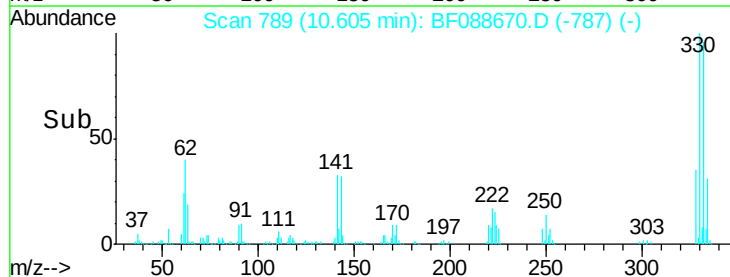
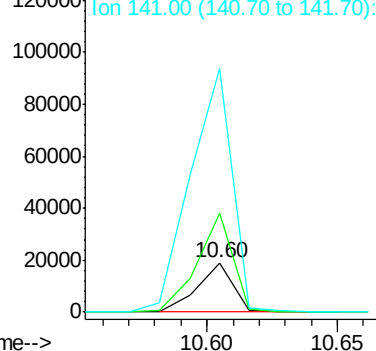


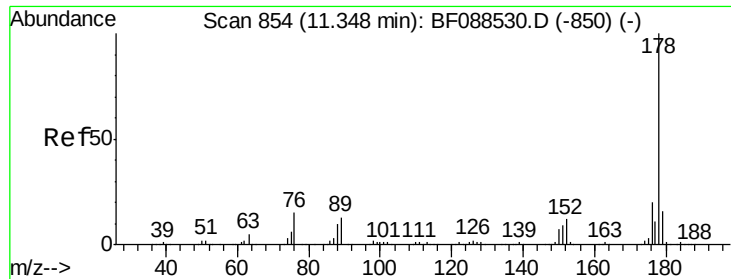
#66
4-Bromophenyl-phenylether
Concen: 4.63 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.27 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Tgt Ion:248 Resp: 18012
Ion Ratio Lower Upper
248 100
250 198.4 77.1 115.7#
141 490.9 50.6 76.0#



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

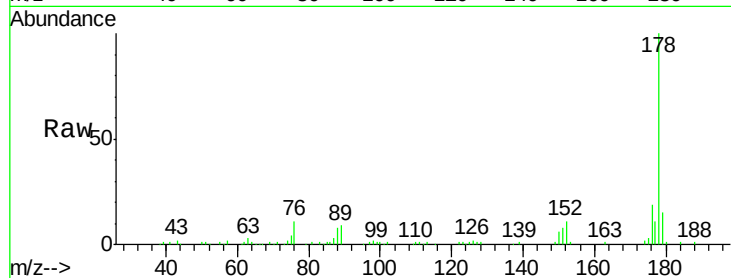




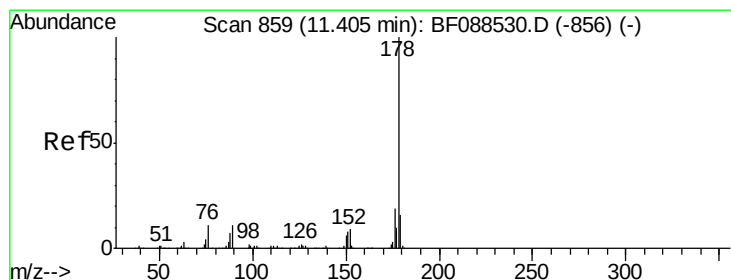
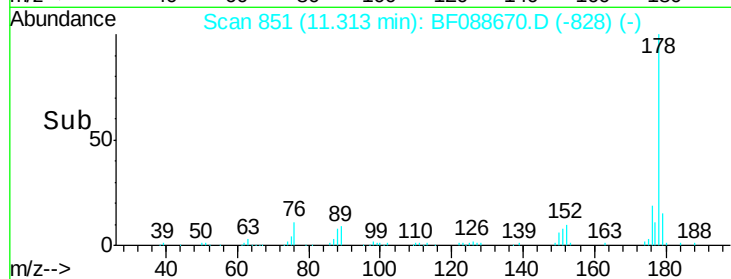
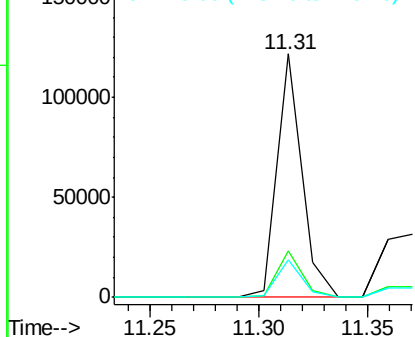
#70
 Phenanthrene
 Concen: 4.65 ng
 RT: 11.31 min Scan# 851
 Delta R.T. -0.03 min
 Lab File: BF088670.D
 Acq: 4 Jul 2016 2:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 98081
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.6
 179 15.3 13.0 19.4

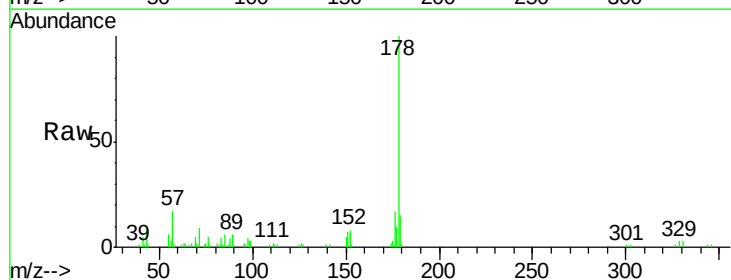


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

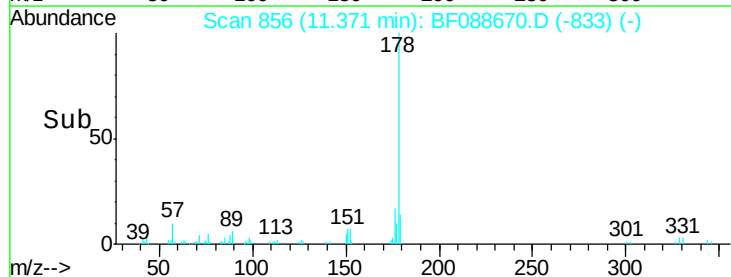
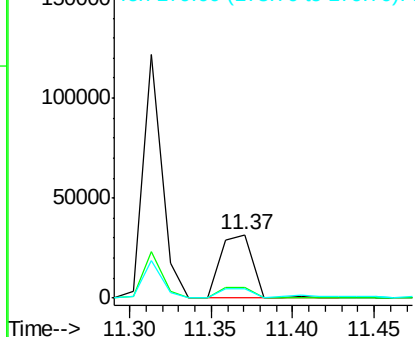


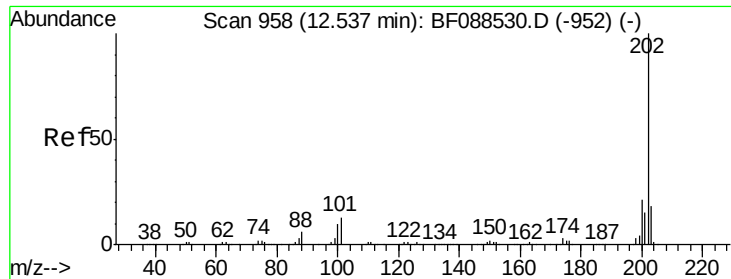
#71
 Anthracene
 Concen: 2.04 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.03 min
 Lab File: BF088670.D
 Acq: 4 Jul 2016 2:14

Tgt Ion:178 Resp: 42915
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.6 23.4
 179 15.3 12.8 19.2



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: 7.56 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF088670.D

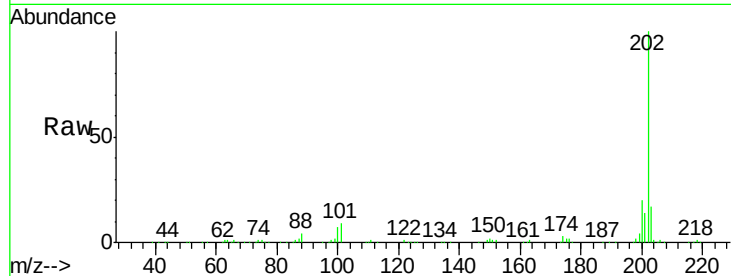
Acq: 4 Jul 2016 2:14

Instrument :

BNA_F

ClientSampleId :

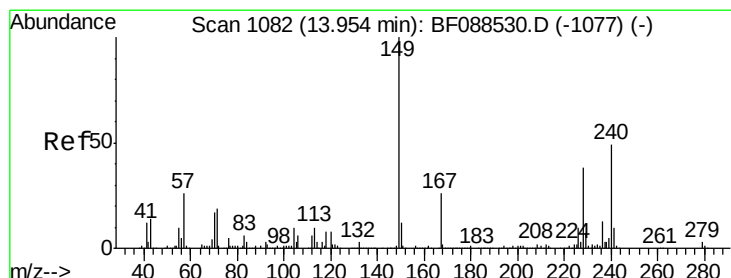
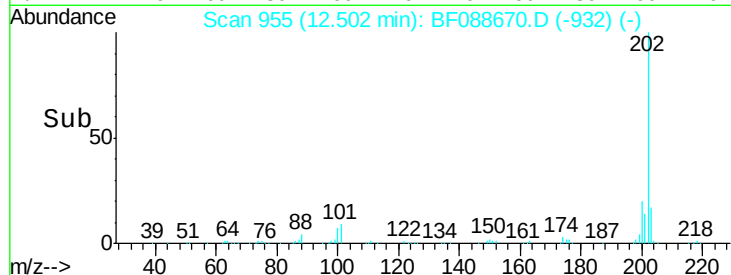
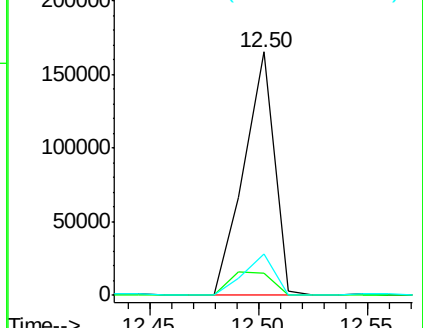
Tot Ion:	202	Resp:	161863
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	33.1
203	16.9	0.0	38.1



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

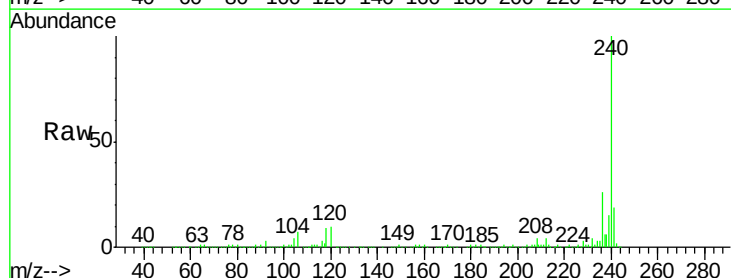
RT: 13.92 min Scan# 1079

Delta R.T. -0.03 min

Lab File: BF088670.D

Acq: 4 Jul 2016 2:14

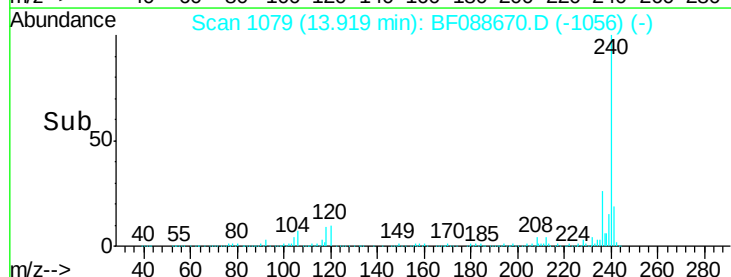
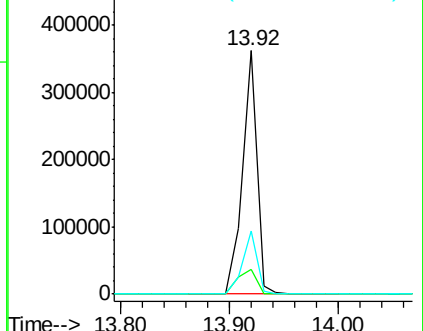
Tgt Ion:	240	Resp:	327933
Ion Ratio	Lower	Upper	
240	100		
120	10.2	6.8	10.2#
236	25.7	20.2	30.2

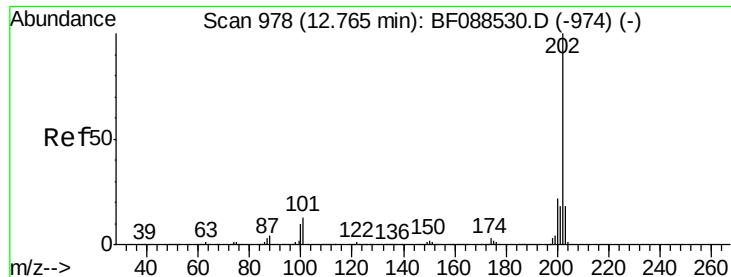


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

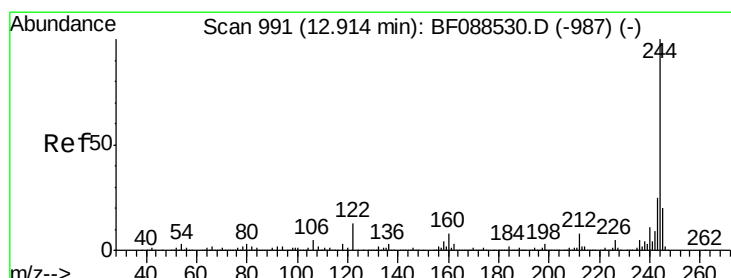
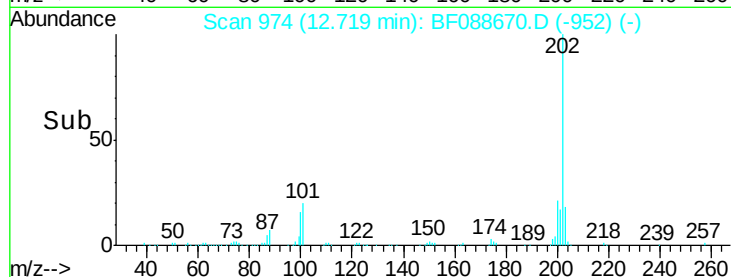
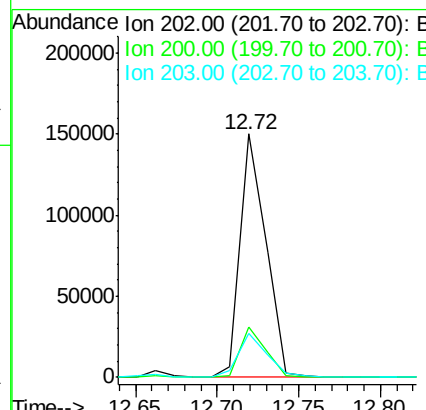
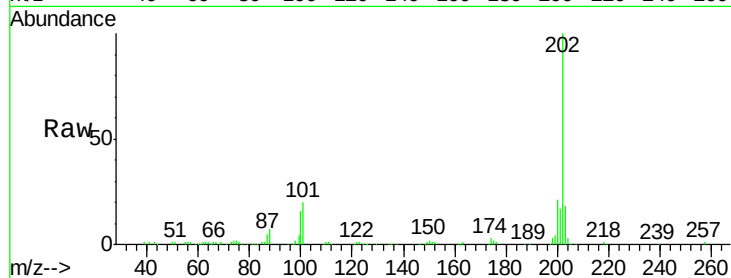




#77
Pvrene
Concen: 5.87 ng
RT: 12.72 min Scan# 974
Delta R.T. -0.05 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

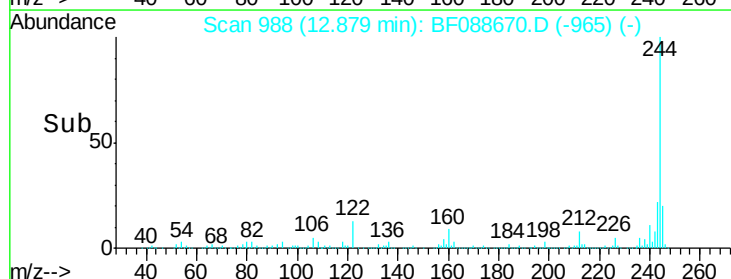
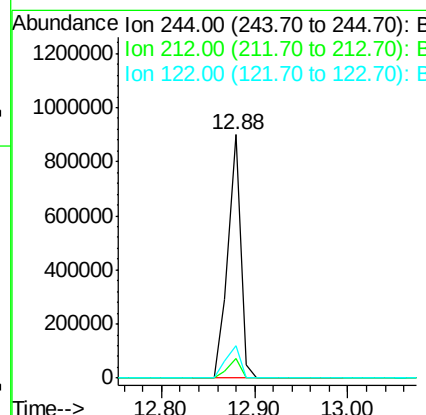
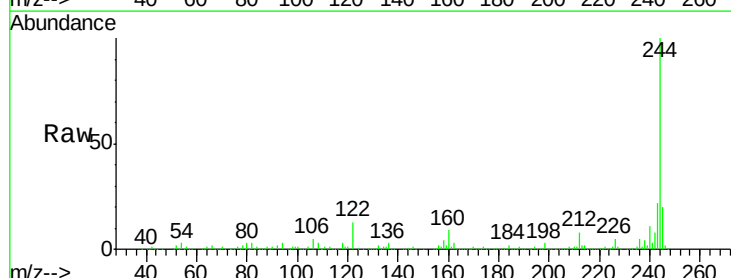
Instrument :
BNA_F
ClientSampleId :

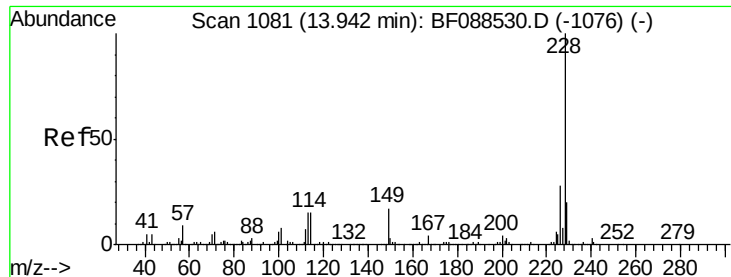
Tot Ion:202 Resp: 163203
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 18.1 14.5 21.7



#78
Terphenyl-d14
Concen: 57.98 ng
RT: 12.88 min Scan# 988
Delta R.T. -0.03 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Tgt Ion:244 Resp: 853704
Ion Ratio Lower Upper
244 100
212 7.9 6.0 9.0
122 13.4 11.2 16.8

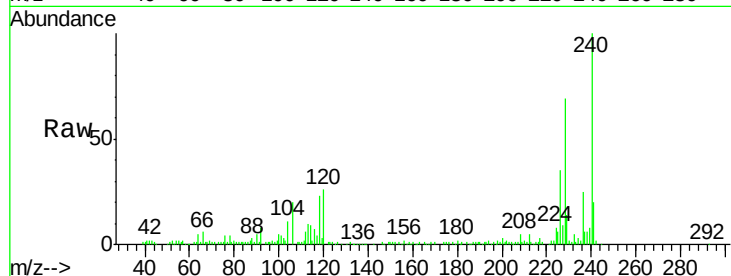




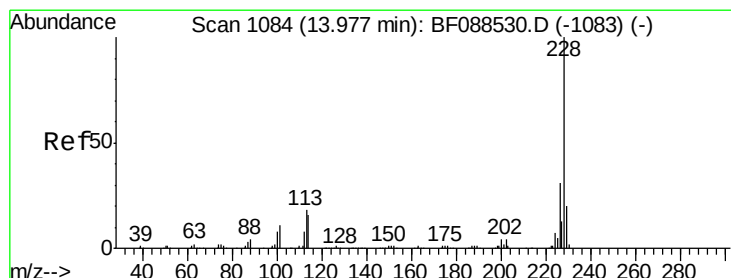
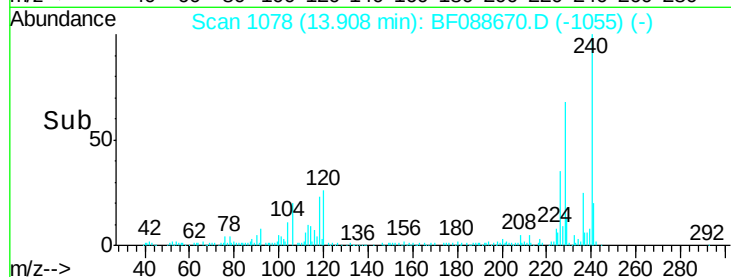
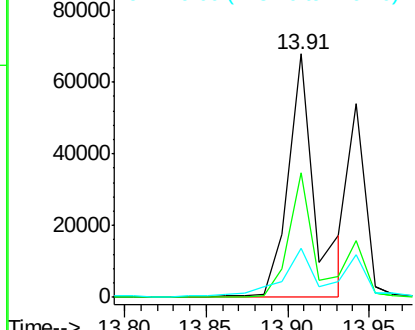
#80
Benzo(a)anthracene
Concen: 3.71 ng
RT: 13.91 min Scan# 1078
Delta R.T. -0.03 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 78347
Ion Ratio Lower Upper
228 100
226 51.0 22.3 33.5#
229 19.9 16.0 24.0

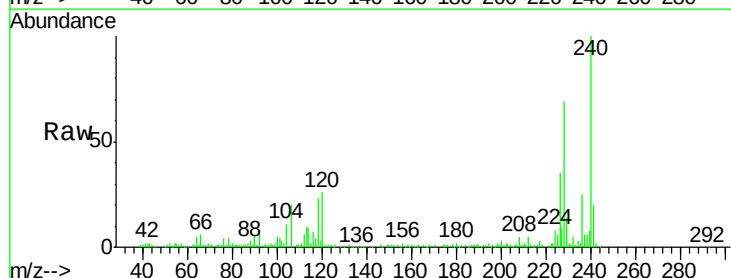


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

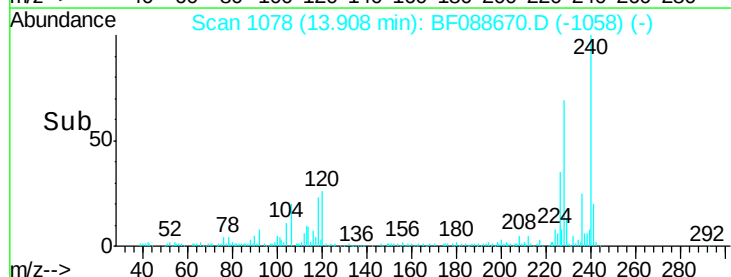
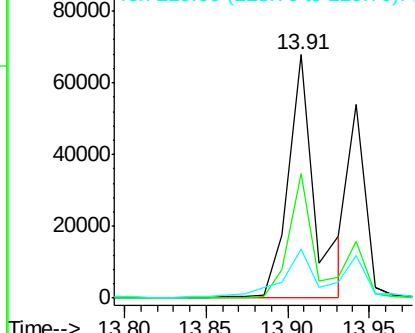


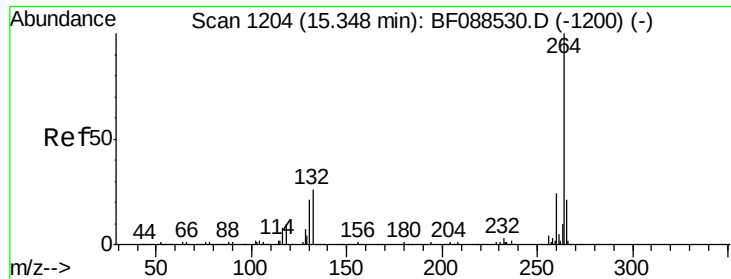
#82
Chrysene
Concen: 3.75 ng
RT: 13.91 min Scan# 1078
Delta R.T. -0.07 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Tgt Ion:228 Resp: 78347
Ion Ratio Lower Upper
228 100
226 51.0 25.4 38.2#
229 19.9 16.3 24.5



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

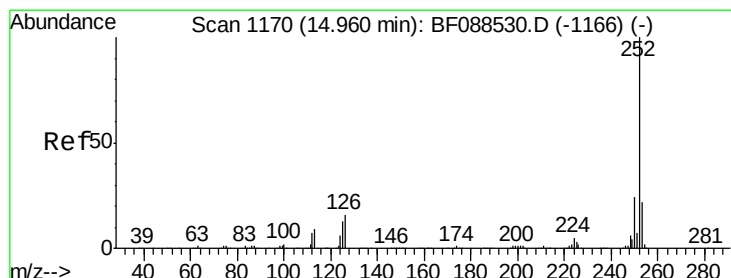
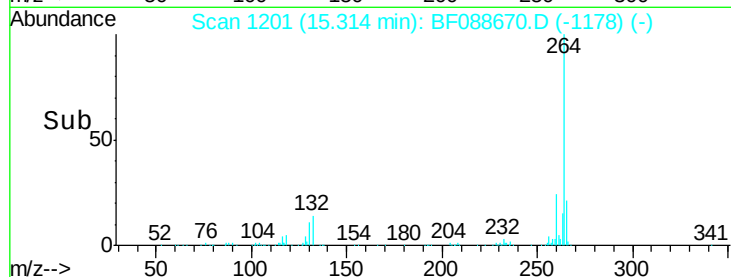
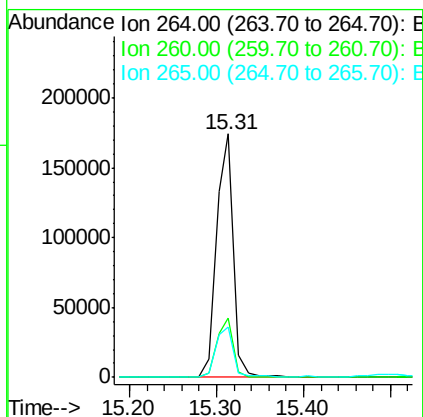
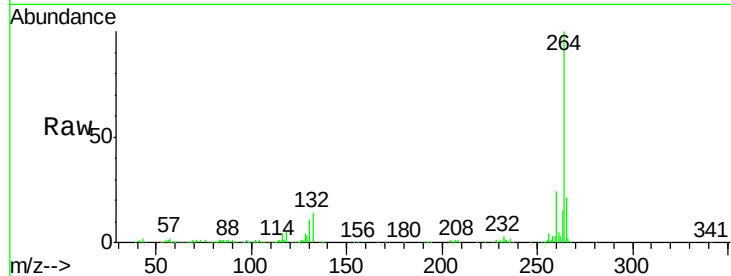




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

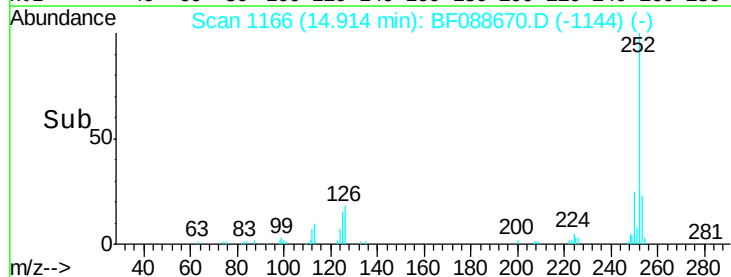
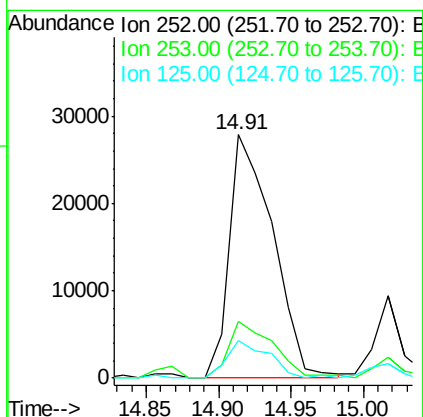
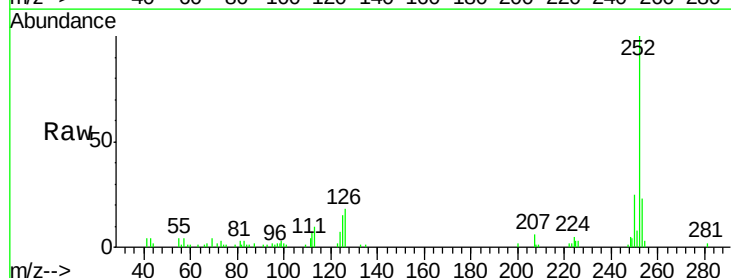
Instrument :
BNA_F
ClientSampleId :

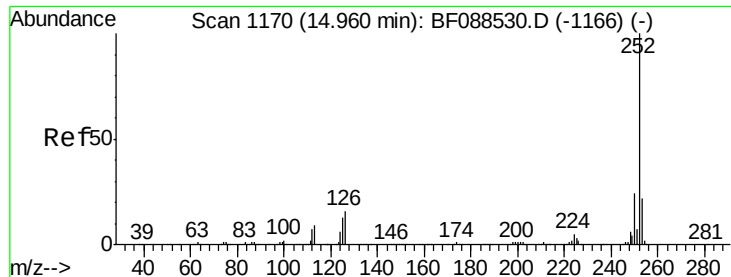
Tot Ion:264 Resp: 235956
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 20.9 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 3.92 ng
RT: 14.91 min Scan# 1166
Delta R.T. -0.05 min
Lab File: BF088670.D
Acq: 4 Jul 2016 2:14

Tgt Ion:252 Resp: 58095
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 15.3 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 4.51 ng

RT: 14.91 min Scan# 1166

Delta R.T. -0.07 min

Lab File: BF088670.D

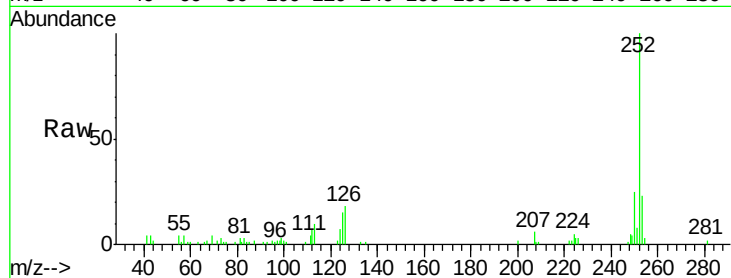
Acq: 4 Jul 2016 2:14

Instrument :

BNA_F

ClientSampleId :

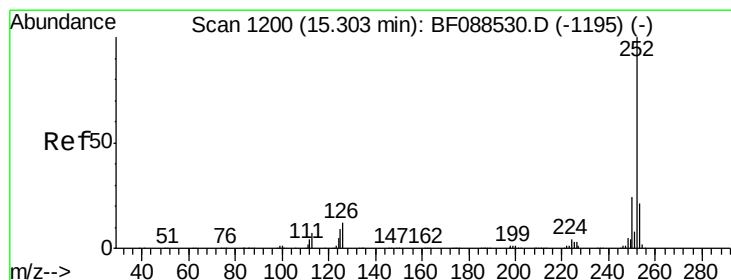
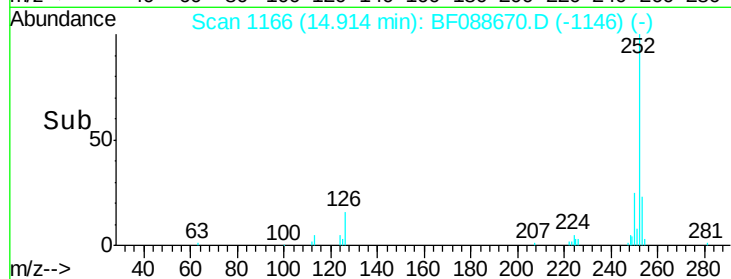
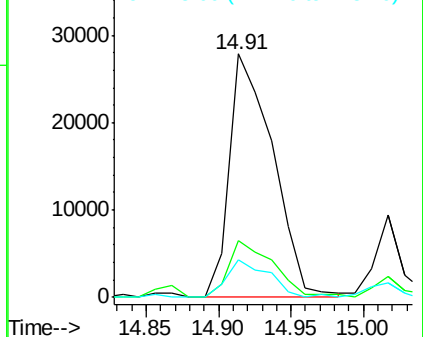
Tot Ion:252	Resp:	58095
Ion Ratio	Lower	Upper
252	100	
253	23.2	18.0 27.0
125	15.3	11.2 16.8



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: 3.07 ng

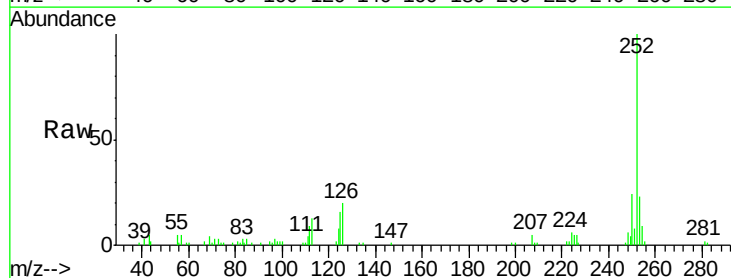
RT: 15.25 min Scan# 1195

Delta R.T. -0.06 min

Lab File: BF088670.D

Acq: 4 Jul 2016 2:14

Tgt Ion:252	Resp:	38449
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.9 26.9
125	15.7	12.5 18.7



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

