

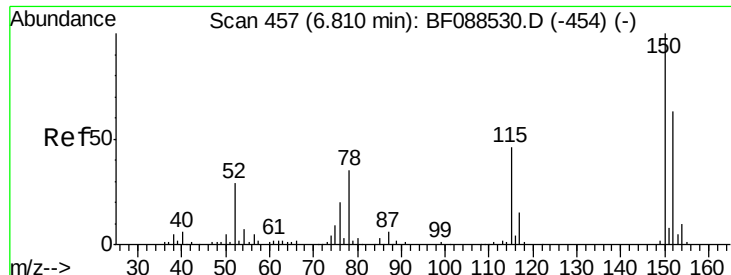
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071316\
 Data File : BF088972.D
 Acq On : 13 Jul 2016 22:07
 Operator : UM/SJ
 Sample : H3981-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C4.2-8

Quant Time: Jul 14 01:16:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	68737	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	241072	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	98670	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	154426	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	122284	20.00	ng	-0.02
86) Perylene-d12	15.20	264	119608	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	594102	129.53	ng	0.01
7) Phenol-d6	6.35	99	780438	131.69	ng	0.00
23) Nitrobenzene-d5	7.27	82	501695	109.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	128036	139.74	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	698989	111.90	ng	-0.01
78) Terphenyl-d14	12.79	244	379371	69.10	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	6.86	79	9876	2.26	ng	# 41
19) n-Nitroso-di-n-propylamine	7.27	70	68358	17.17	ng	# 70
25) Isophorone	7.27	82	463451	54.39	ng	# 65
49) Dimethylphthalate	9.45	163	189779	27.00	ng	99
56) 2,4-Dinitrotoluene	9.72	165	12949	6.36	ng	# 37
66) 4-Bromophenyl-phenylether	10.51	248	8389	5.39	ng	# 1
74) Fluoranthene	12.41	202	24033	2.81	ng	94
77) Pyrene	12.64	202	23691	2.28	ng	97
80) Benzo(a)anthracene	13.85	228	31092	3.95	ng	92
82) Chrysene	13.85	228	31092	3.99	ng	97
87) Benzo(b)fluoranthene	14.82	252	32727	4.36	ng	# 93
88) Benzo(k)fluoranthene	14.82	252	32727	5.01	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF088972.D

Acq: 13 Jul 2016 22:07

Instrument :

BNA_F

ClientSampleId :

C4.2-8

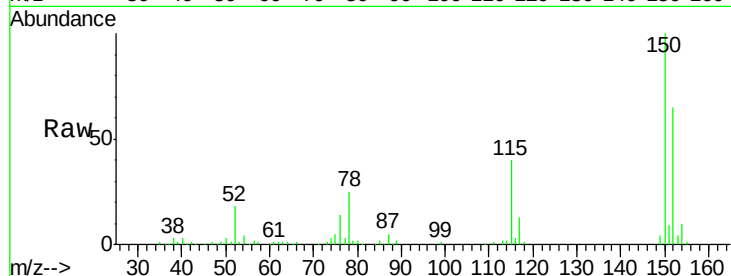
Tgt Ion:152 Resp: 68737

Ion Ratio Lower Upper

152 100

150 154.9 123.8 185.6

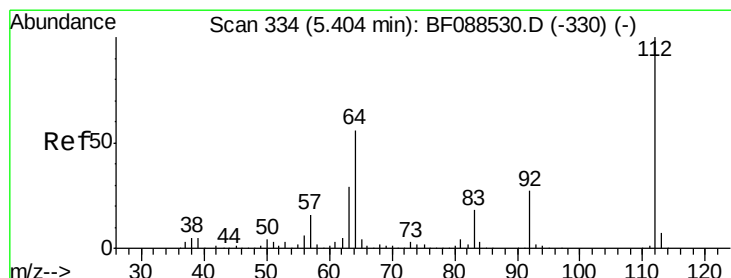
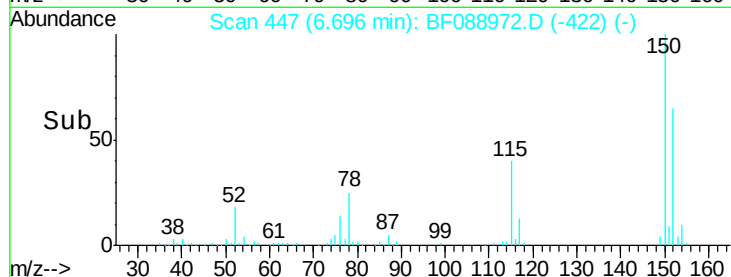
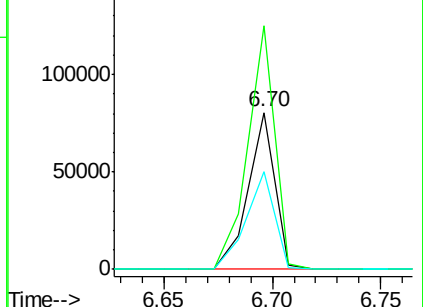
115 62.1 39.6 59.4#



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: 129.53 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088972.D

Acq: 13 Jul 2016 22:07

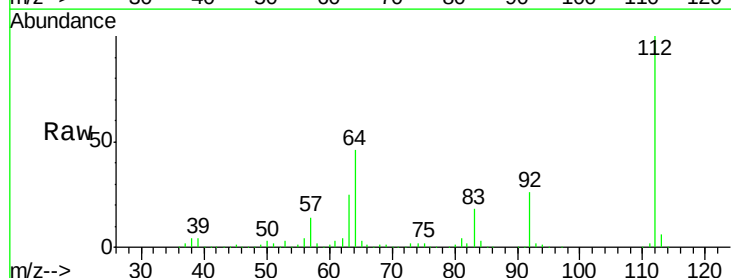
Tgt Ion:112 Resp: 594102

Ion Ratio Lower Upper

112 100

64 46.2 42.2 63.2

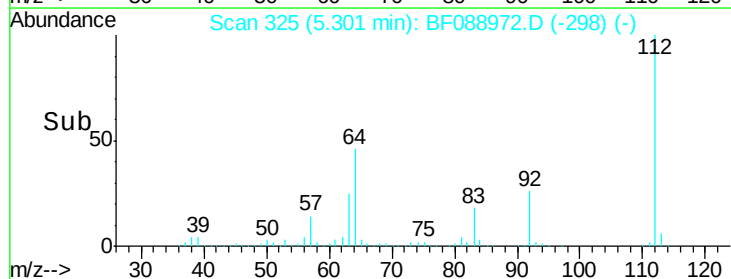
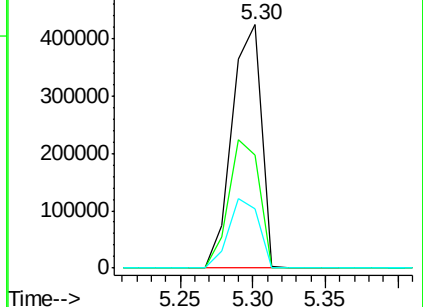
63 24.6 21.8 32.8

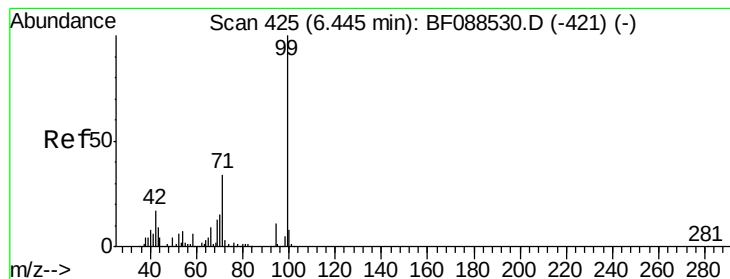


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 131.69 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088972.D

Acq: 13 Jul 2016 22:07

Instrument :

BNA_F

ClientSampleId :

C4.2-8

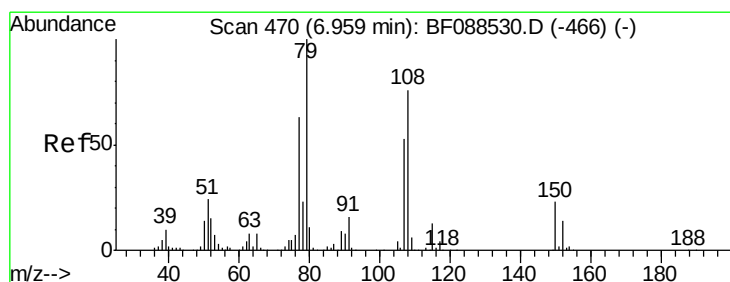
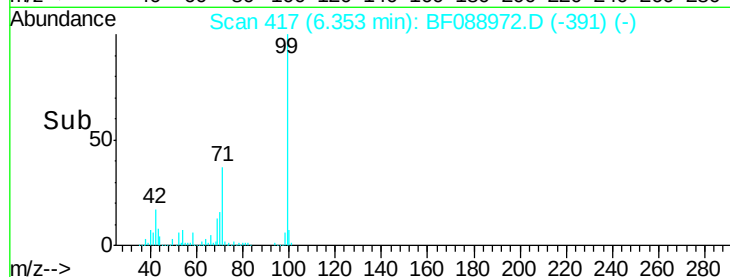
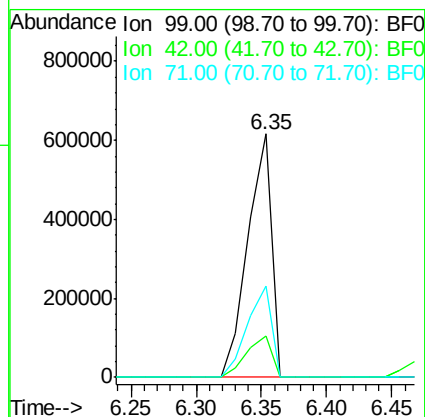
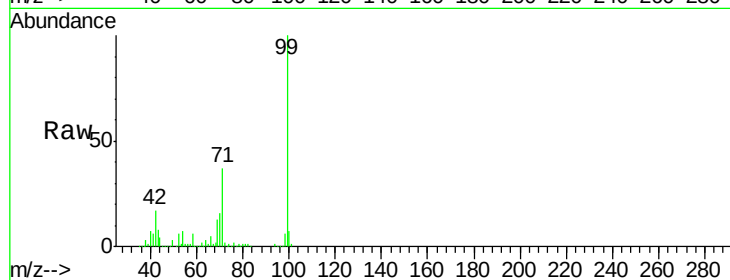
Tgt Ion: 99 Resp: 780438

Ion Ratio Lower Upper

99 100

42 16.8 12.2 18.2

71 37.3 23.4 35.0#



#15

Benzyl Alcohol

Concen: 2.26 ng

RT: 6.86 min Scan# 461

Delta R.T. 0.00 min

Lab File: BF088972.D

Acq: 13 Jul 2016 22:07

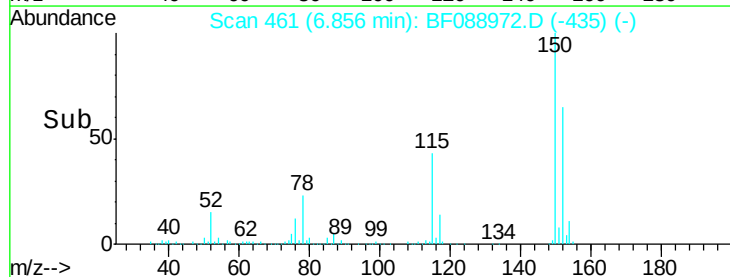
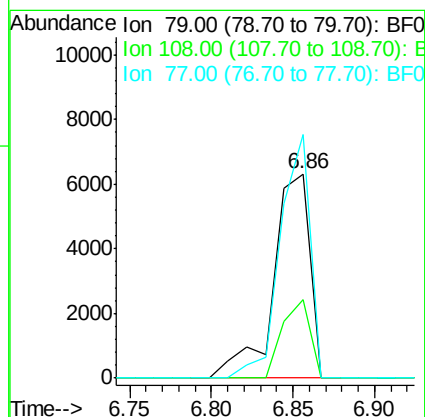
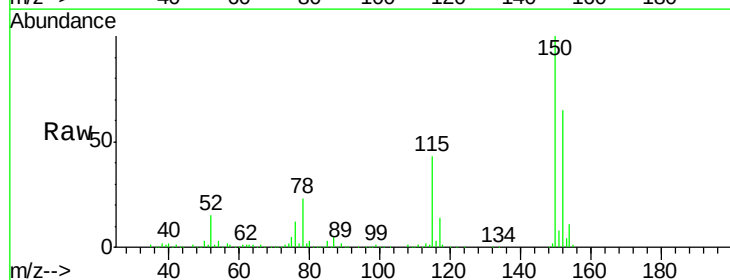
Tgt Ion: 79 Resp: 9876

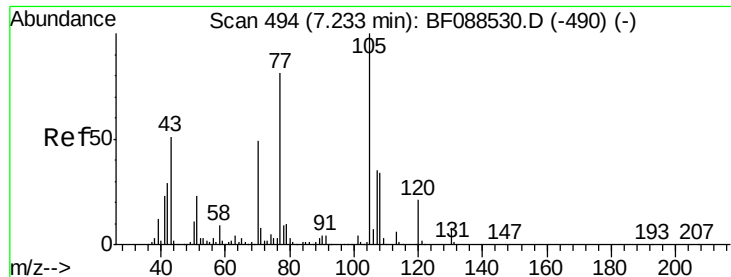
Ion Ratio Lower Upper

79 100

108 38.6 65.0 97.6#

77 119.2 50.3 75.5#

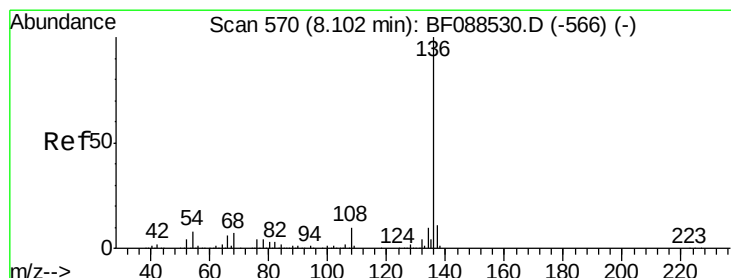
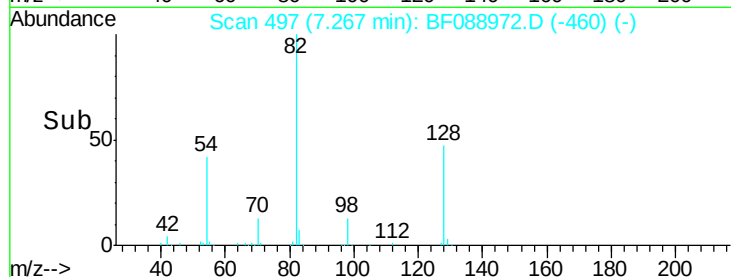
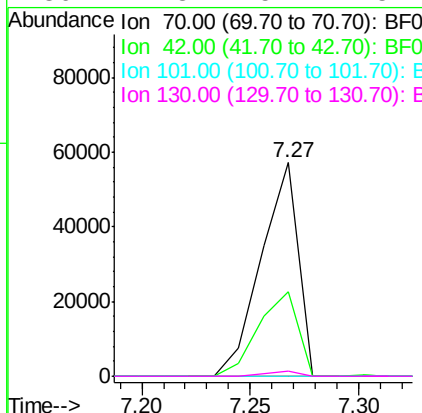
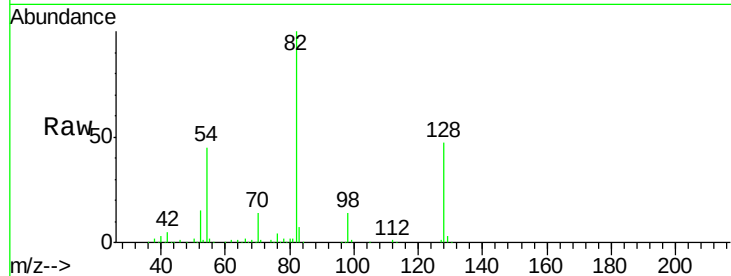




#19
n-Nitroso-di-n-propylamine
Concen: 17.17 ng
RT: 7.27 min Scan# 497
Delta R.T. 0.13 min
Lab File: BF088972.D
Acq: 13 Jul 2016 22:07

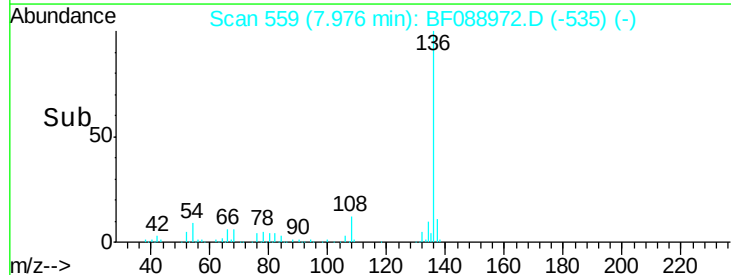
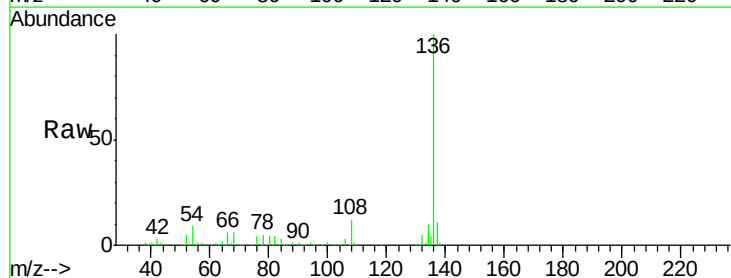
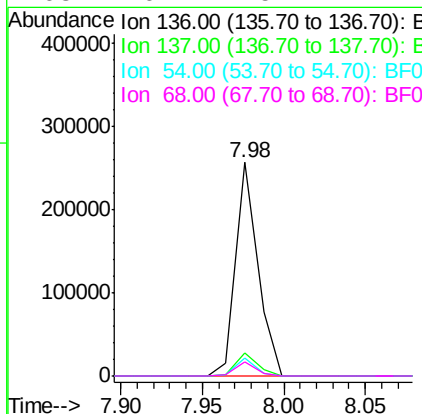
Instrument :
BNA_F
ClientSampled :
C4.2-8

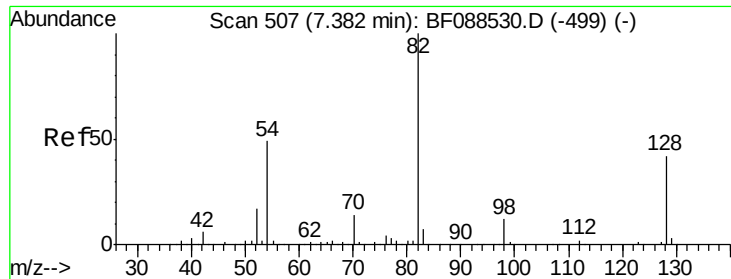
Tgt Ion: 70 Resp: 68358
Ion Ratio Lower Upper
70 100
42 39.6 49.6 74.4#
101 0.0 7.1 10.7#
130 2.3 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF088972.D
Acq: 13 Jul 2016 22:07

Tgt Ion: 136 Resp: 241072
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 8.6 6.6 10.0
68 6.4 5.1 7.7

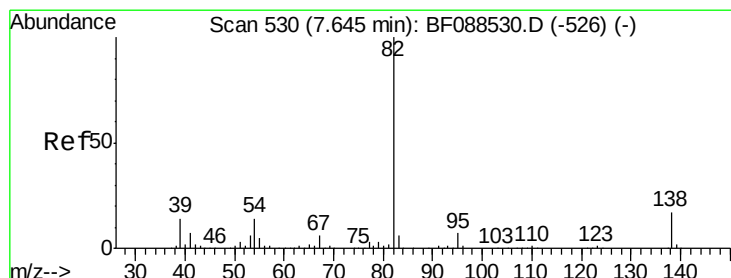
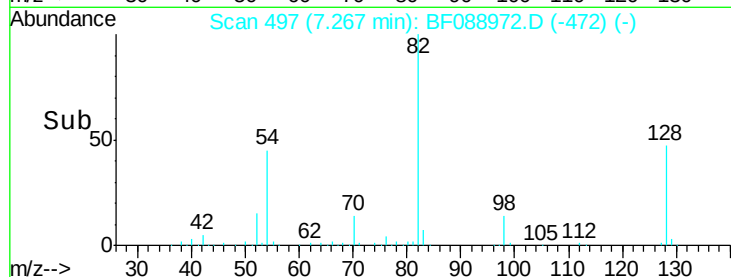
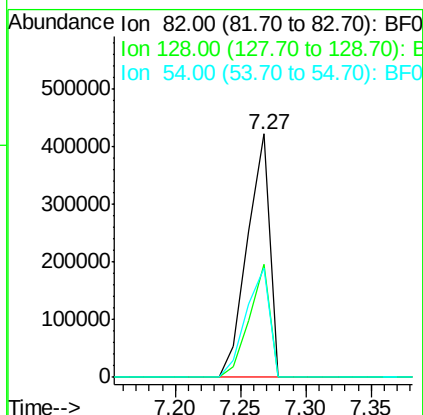
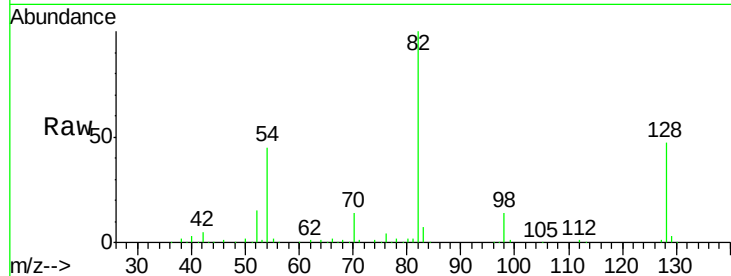




#23
 Nitrobenzene-d5
 Concen: 109.06 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: BF088972.D
 Acq: 13 Jul 2016 22:07

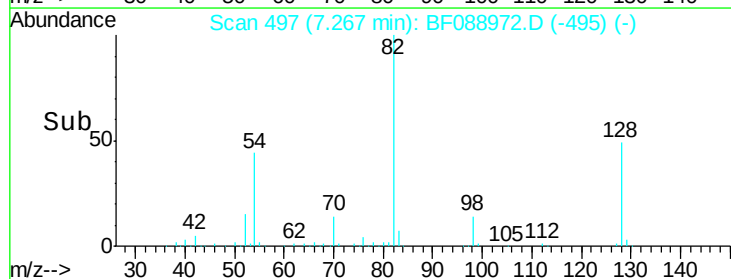
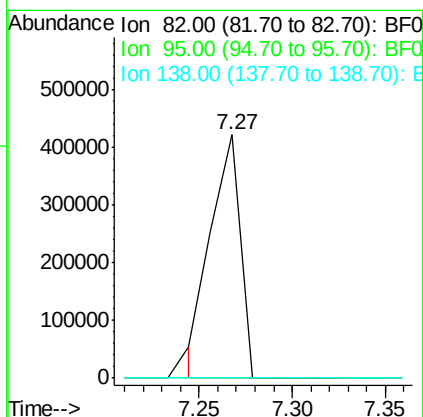
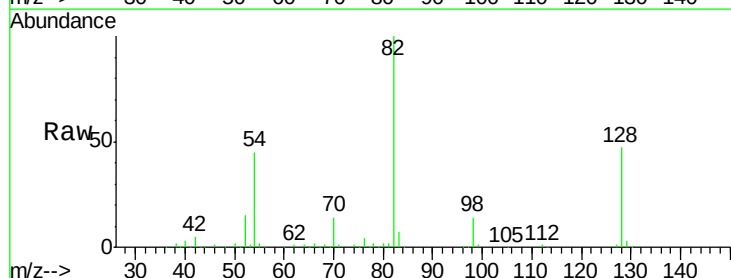
Instrument :
 BNA_F
 ClientSampleId :
 C4.2-8

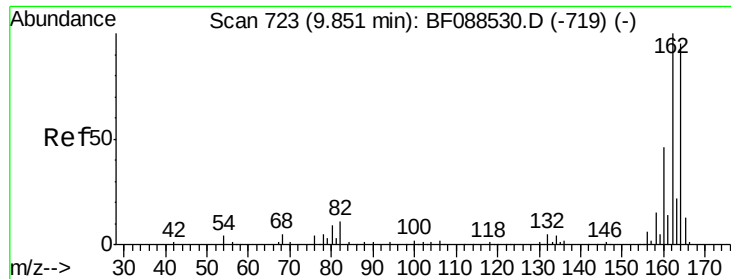
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.6	35.9	53.9
54	44.8	40.9	61.3



#25
 Isophorone
 Concen: 54.39 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.27 min
 Lab File: BF088972.D
 Acq: 13 Jul 2016 22:07

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#

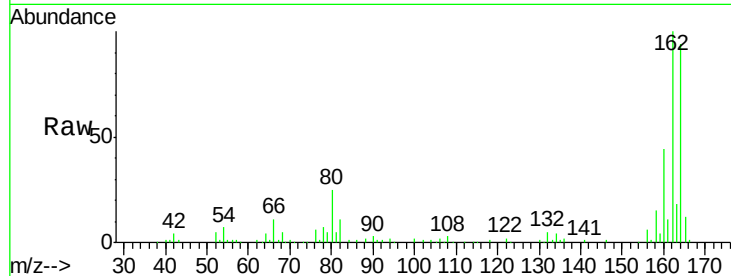




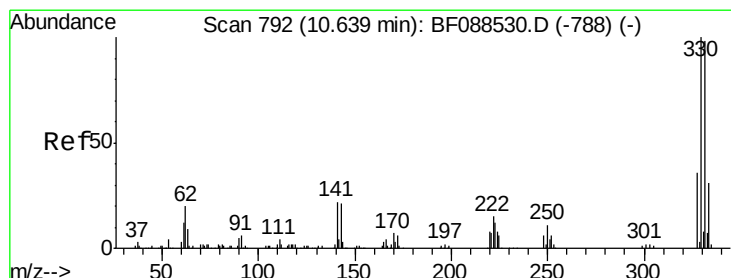
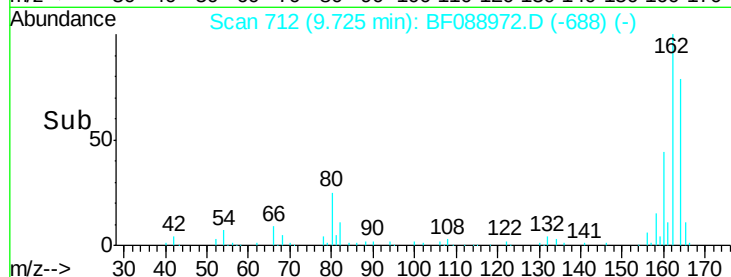
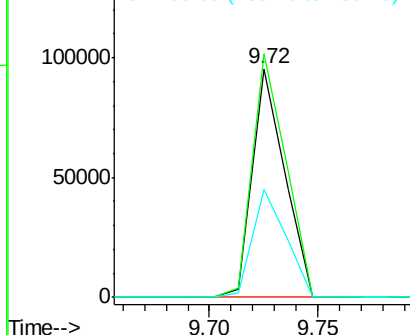
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.02 min
Lab File: BF088972.D
Acq: 13 Jul 2016 22:07

Instrument :
BNA_F
ClientSampleId :
C4.2-8

Tgt Ion:164 Resp: 98670
Ion Ratio Lower Upper
164 100
162 106.6 85.4 128.2
160 47.4 39.5 59.3

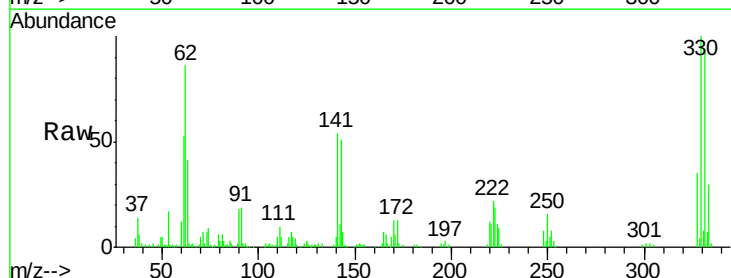


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

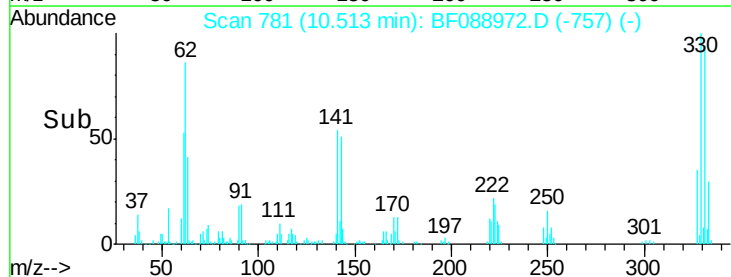
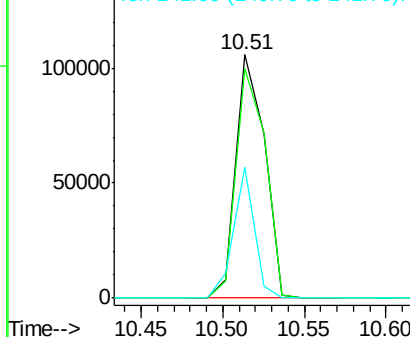


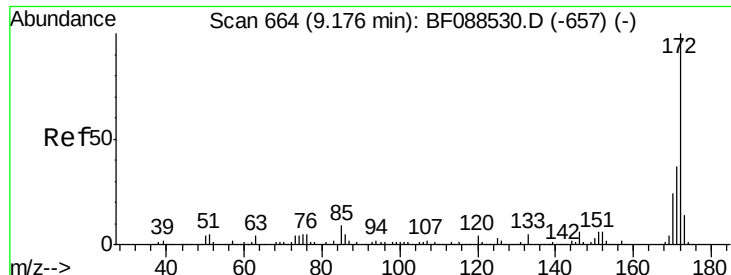
#41
2,4,6-Tribromophenol
Concen: 139.74 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF088972.D
Acq: 13 Jul 2016 22:07

Tgt Ion:330 Resp: 128036
Ion Ratio Lower Upper
330 100
332 96.8 0.0 0.0#
141 39.6 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

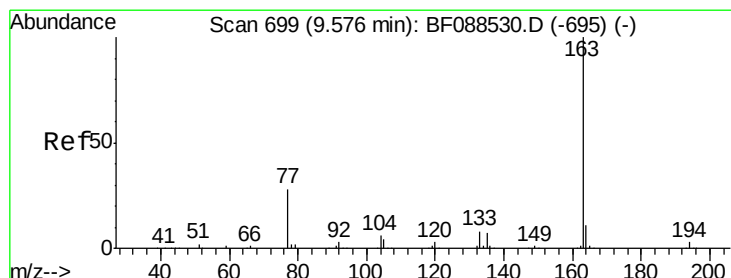
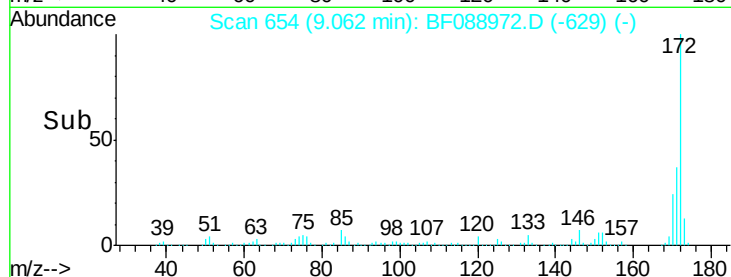
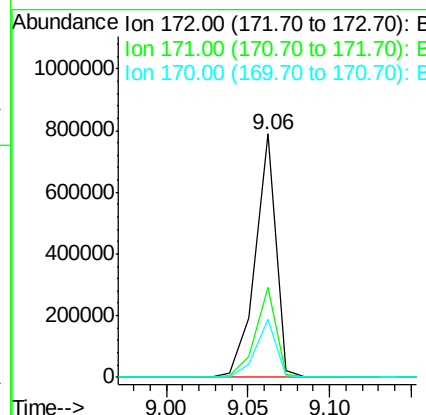
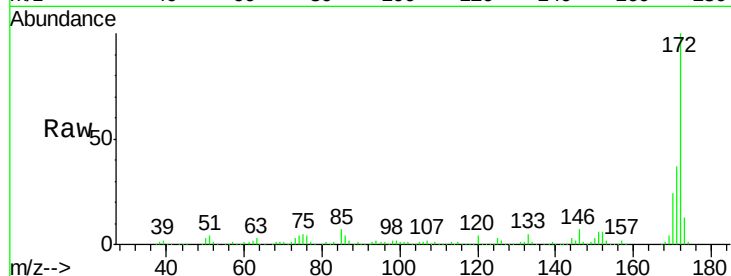




#44
 2-Fluorobiphenyl
 Concen: 111.90 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF088972.D
 Acq: 13 Jul 2016 22:07

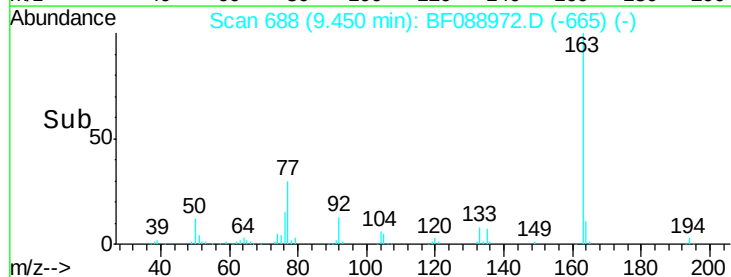
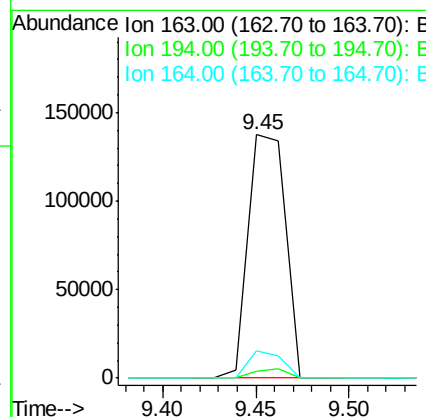
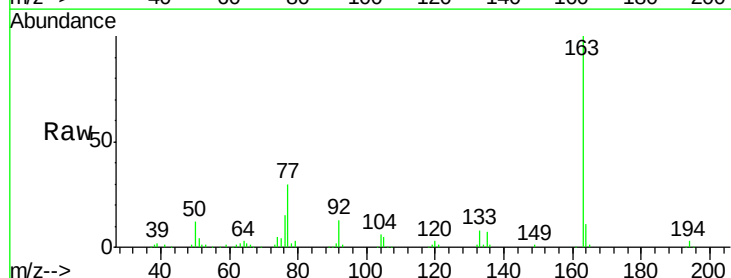
Instrument :
 BNA_F
 ClientSampleId :
 C4.2-8

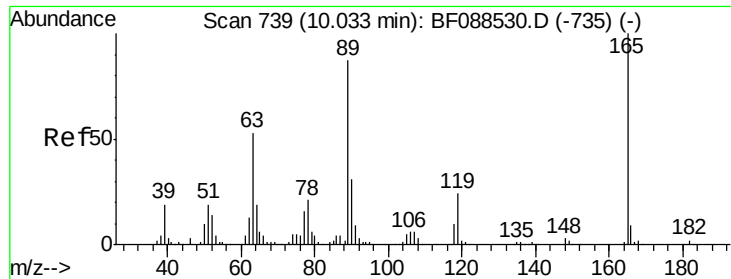
Tgt Ion:172 Resp: 698989
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.6 43.0
 170 23.8 19.2 28.8



#49
 Dimethylphthalate
 Concen: 27.00 ng
 RT: 9.45 min Scan# 688
 Delta R.T. -0.03 min
 Lab File: BF088972.D
 Acq: 13 Jul 2016 22:07

Tgt Ion:163 Resp: 189779
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 11.0 8.3 12.5

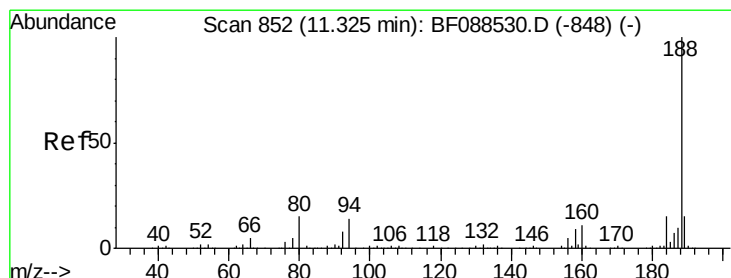
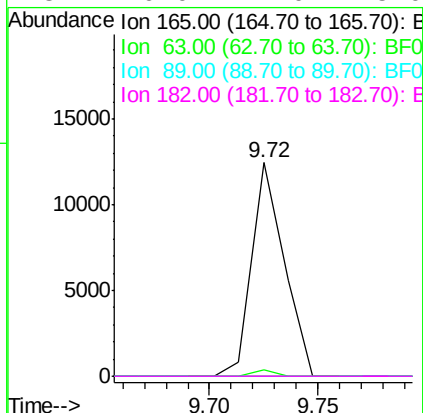
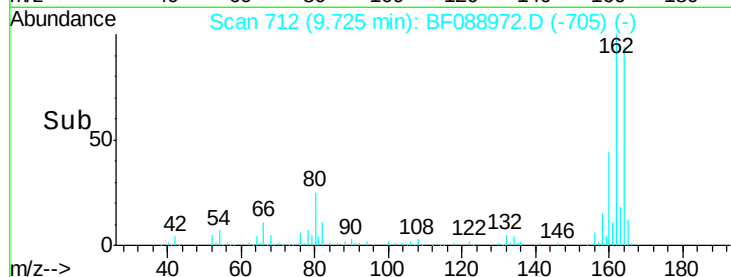
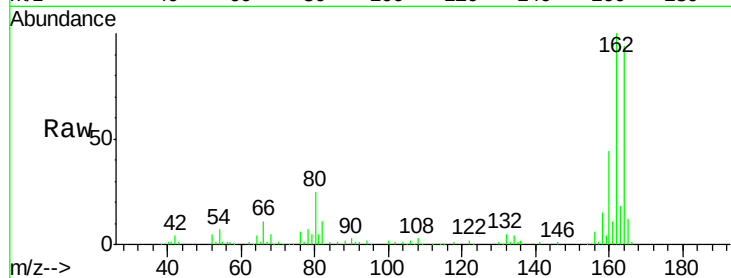




#56
2,4-Dinitrotoluene
Concen: 6.36 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.22 min
Lab File: BF088972.D
Acq: 13 Jul 2016 22:07

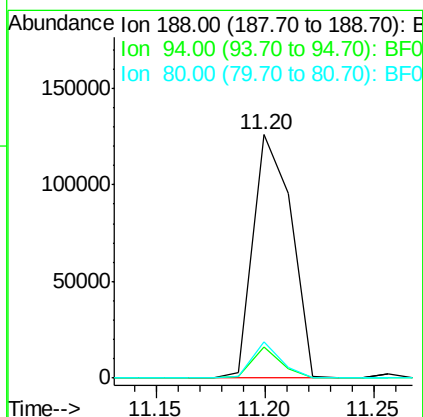
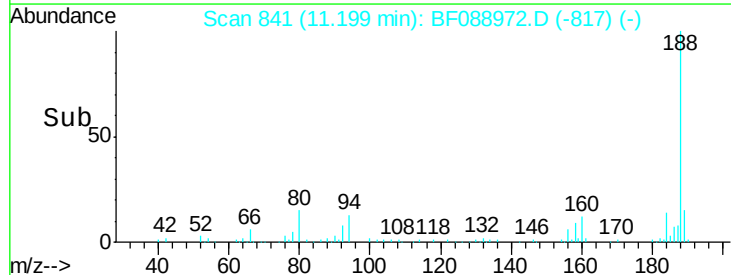
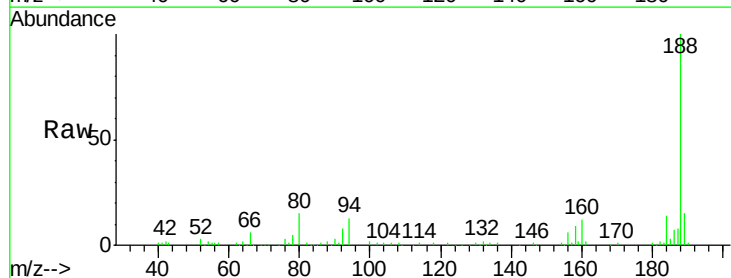
Instrument :
BNA_F
ClientSampleId :
C4.2-8

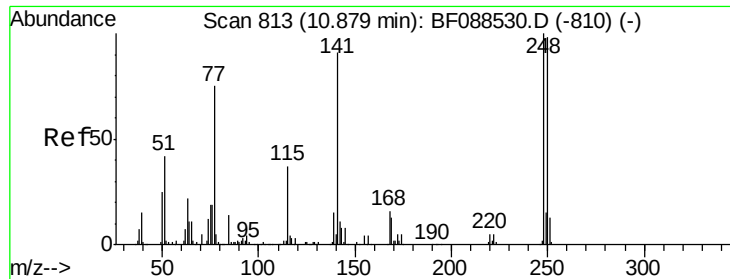
Tgt Ion:	165	Resp:	12949
Ion	Ratio	Lower	Upper
165	100		
63	2.9	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF088972.D
Acq: 13 Jul 2016 22:07

Tgt Ion:	188	Resp:	154426
Ion	Ratio	Lower	Upper
188	100		
94	13.0	9.0	13.6
80	15.1	10.0	15.0#

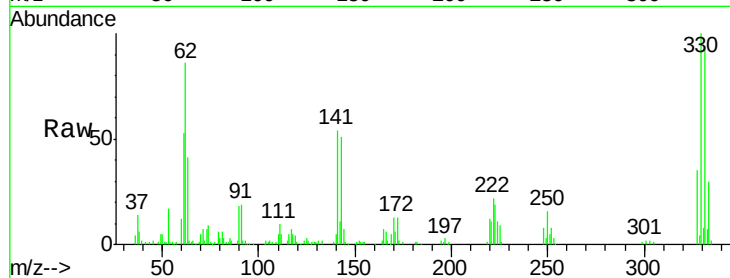




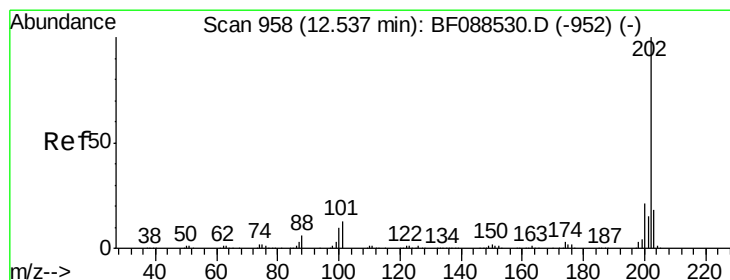
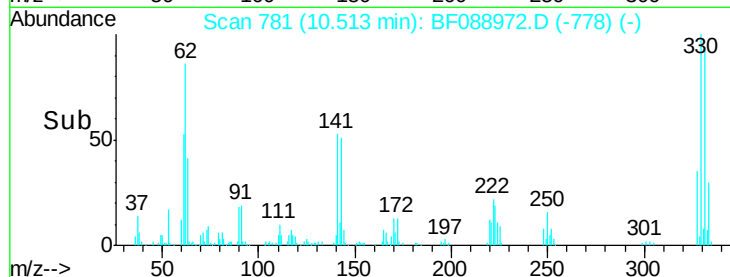
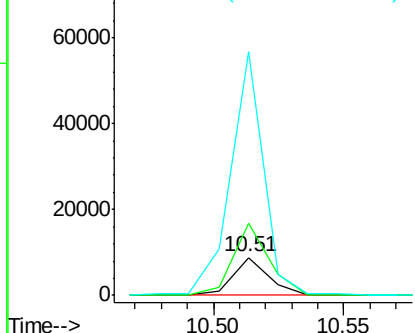
#66
 4-Bromophenyl-phenylether
 Concen: 5.39 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.26 min
 Lab File: BF088972.D
 Acq: 13 Jul 2016 22:07

Instrument :
 BNA_F
 ClientSampleId :
 C4.2-8

Tgt Ion:248 Resp: 8389
 Ion Ratio Lower Upper
 248 100
 250 190.6 77.1 115.7#
 141 640.4 50.6 76.0#

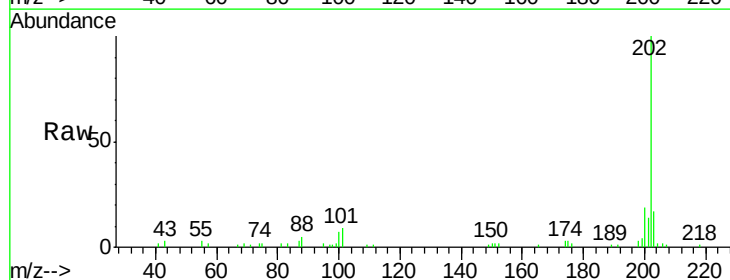


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

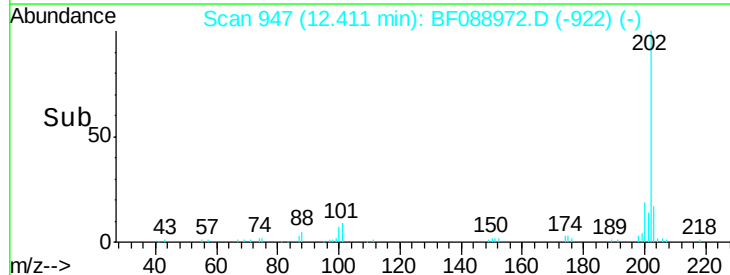
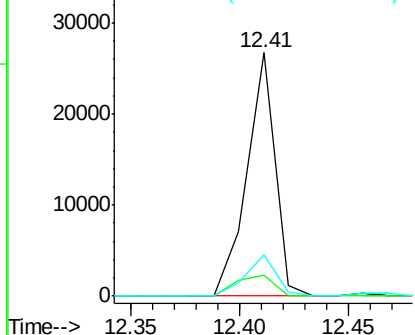


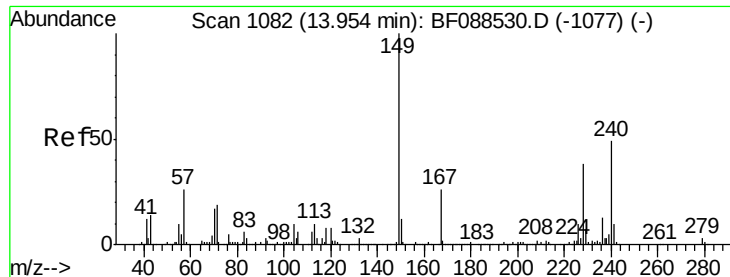
#74
 Fluoranthene
 Concen: 2.81 ng
 RT: 12.41 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF088972.D
 Acq: 13 Jul 2016 22:07

Tgt Ion:202 Resp: 24033
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 33.1
 203 17.2 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: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088972.D

Acq: 13 Jul 2016 22:07

Instrument :

BNA_F

ClientSampleId :

C4.2-8

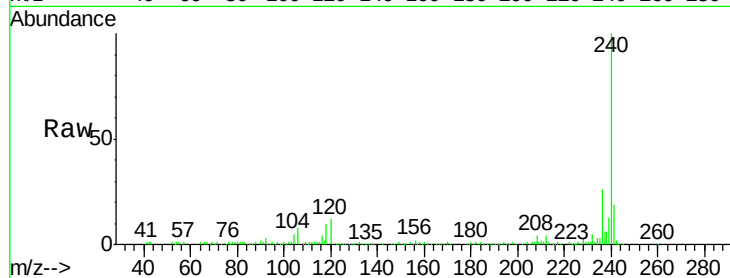
Tgt Ion:240 Resp: 122284

Ion Ratio Lower Upper

240 100

120 11.5 6.8 10.2#

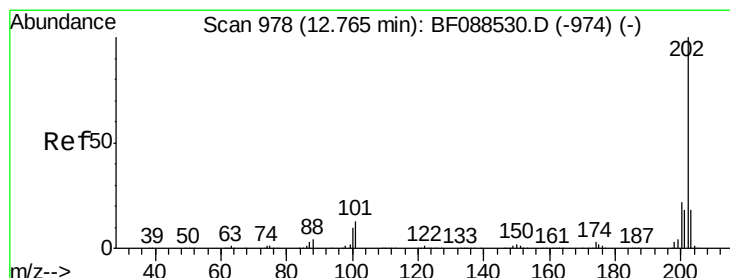
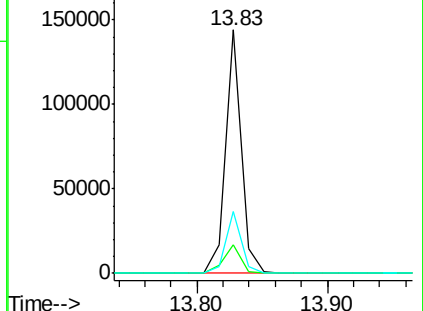
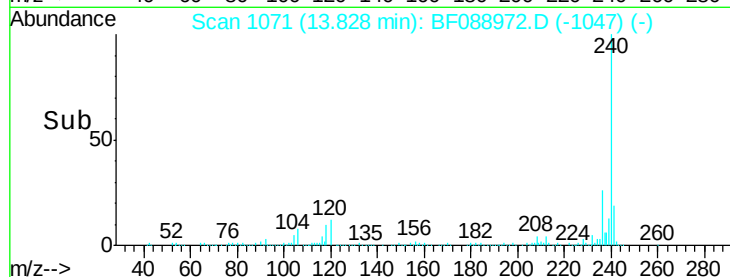
236 25.5 20.2 30.2



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

Pyrene

Concen: 2.28 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF088972.D

Acq: 13 Jul 2016 22:07

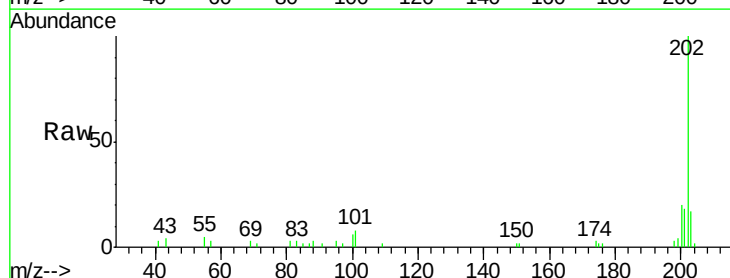
Tgt Ion:202 Resp: 23691

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

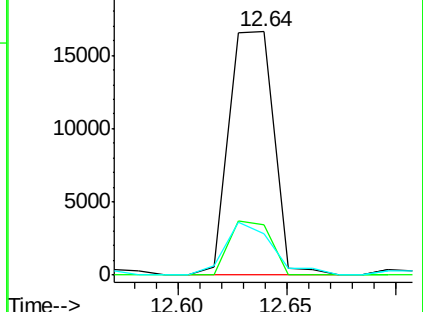
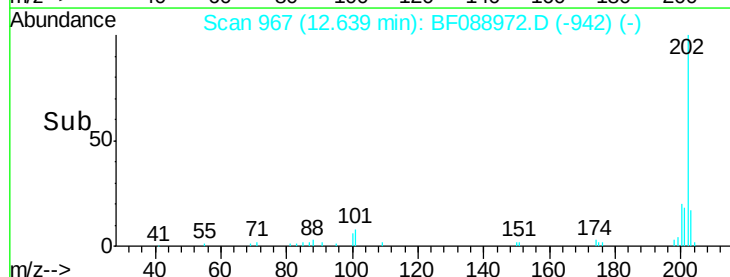
203 17.0 14.5 21.7

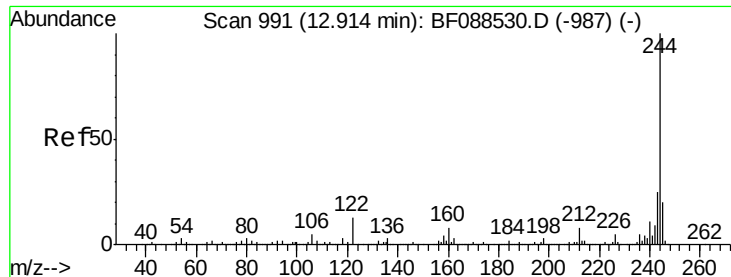


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.10 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088972.D

Acq: 13 Jul 2016 22:07

Instrument :

BNA_F

ClientSampleId :

C4.2-8

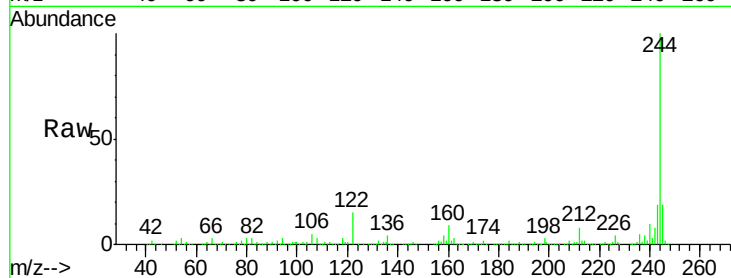
Tgt Ion:244 Resp: 379371

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

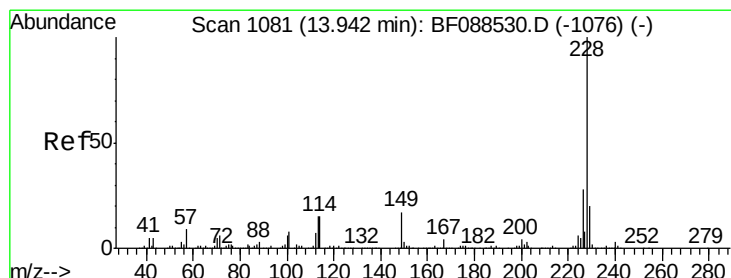
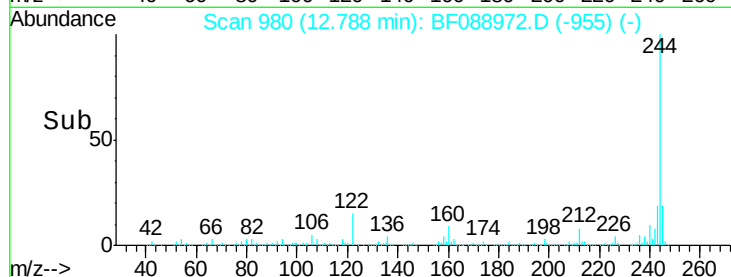
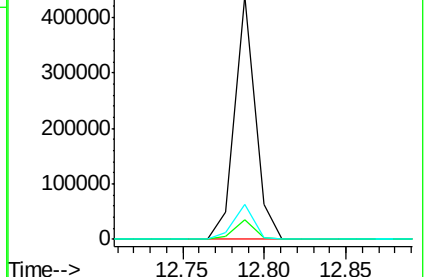
122 14.5 11.2 16.8



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: 3.95 ng

RT: 13.85 min Scan# 1073

Delta R.T. 0.01 min

Lab File: BF088972.D

Acq: 13 Jul 2016 22:07

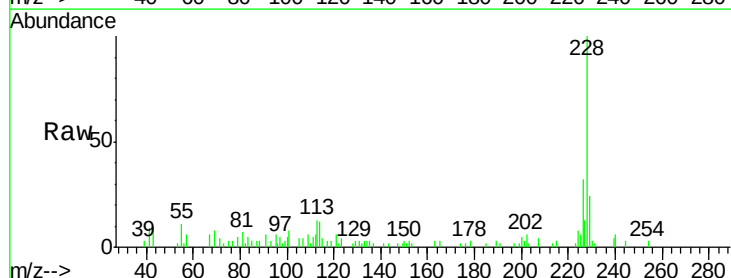
Tgt Ion:228 Resp: 31092

Ion Ratio Lower Upper

228 100

226 32.5 22.3 33.5

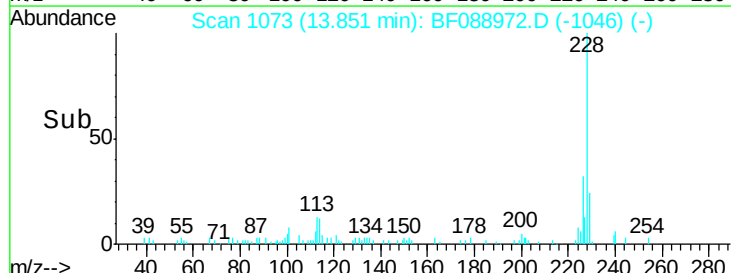
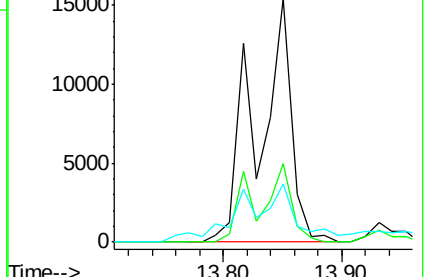
229 23.6 16.0 24.0

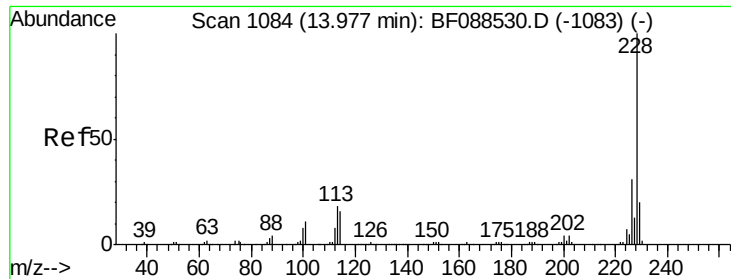


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

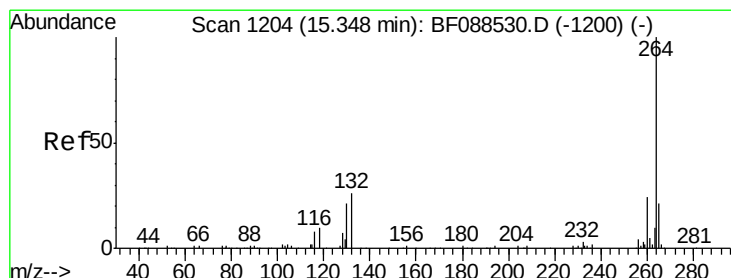
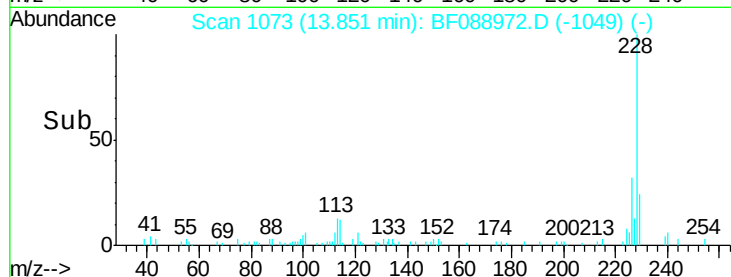
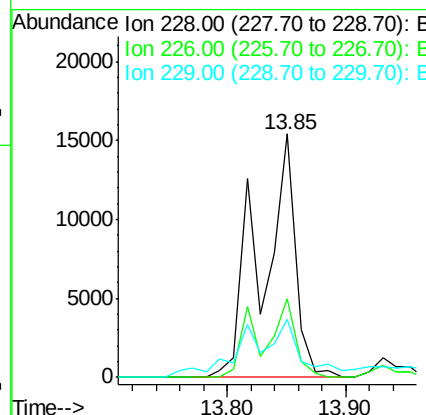
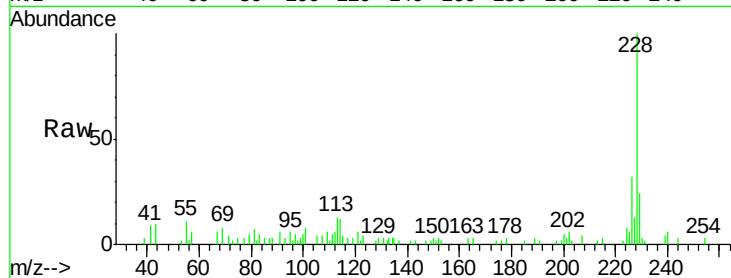




#82
Chrysene
Concen: 3.99 ng
RT: 13.85 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BF088972.D
Acq: 13 Jul 2016 22:07

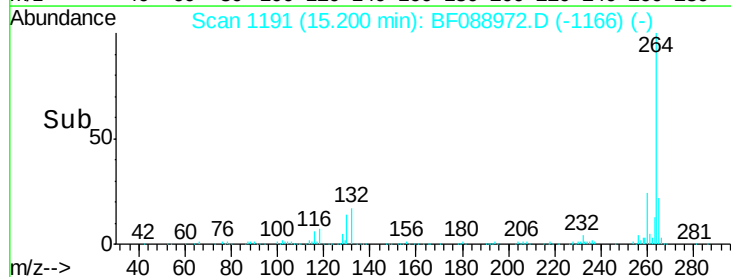
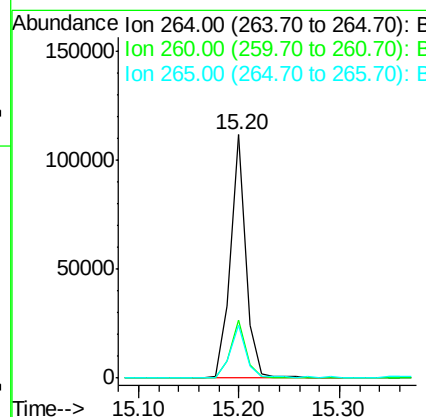
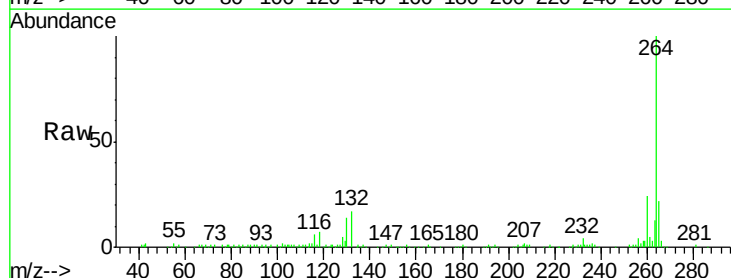
Instrument :
BNA_F
ClientSampleId :
C4.2-8

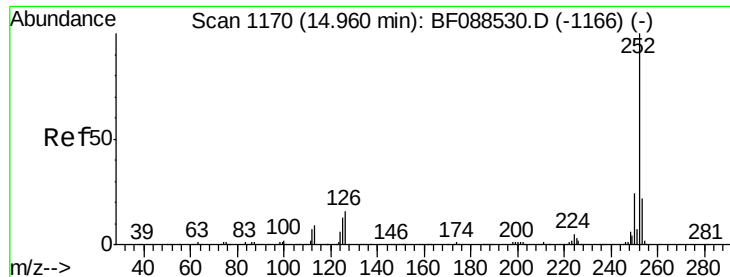
Tgt Ion: 228 Resp: 31092
Ion Ratio Lower Upper
228 100
226 32.5 25.4 38.2
229 23.6 16.3 24.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF088972.D
Acq: 13 Jul 2016 22:07

Tgt Ion: 264 Resp: 119608
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.7 16.9 25.3

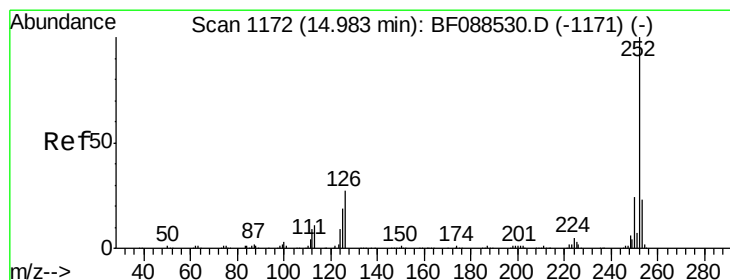
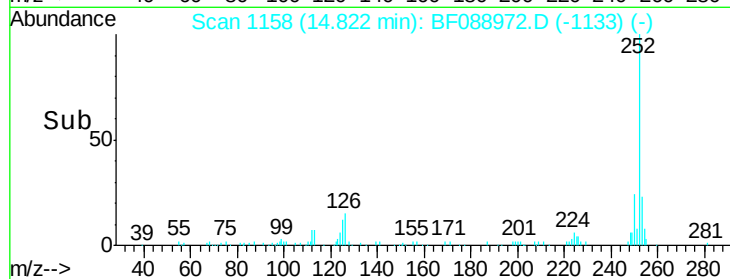
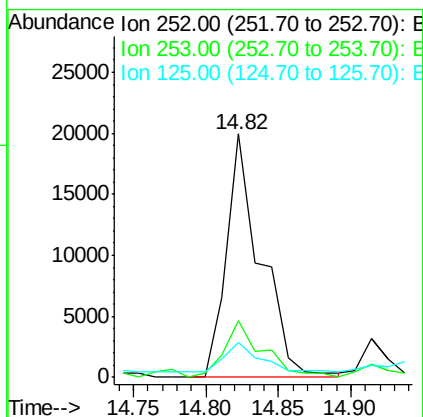
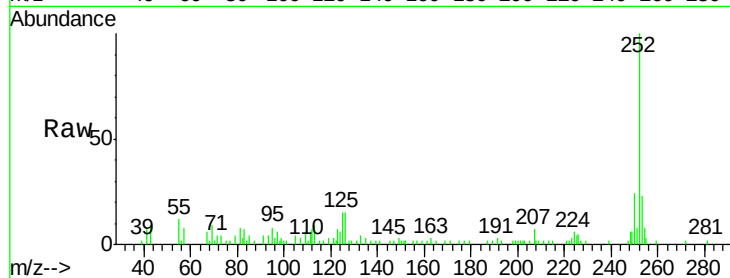




#87
Benzo(b)fluoranthene
Concen: 4.36 ng
RT: 14.82 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF088972.D
Acq: 13 Jul 2016 22:07

Instrument :
BNA_F
ClientSampled :
C4.2-8

Tgt Ion:252 Resp: 32727
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 14.5 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 5.01 ng
RT: 14.82 min Scan# 1158
Delta R.T. -0.05 min
Lab File: BF088972.D
Acq: 13 Jul 2016 22:07

Tgt Ion:252 Resp: 32727
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 14.5 11.2 16.8

