

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
 Data File : BF088681.D
 Acq On : 4 Jul 2016 8:15
 Operator : UM/SJ
 Sample : H3849-01
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 08:49:46 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

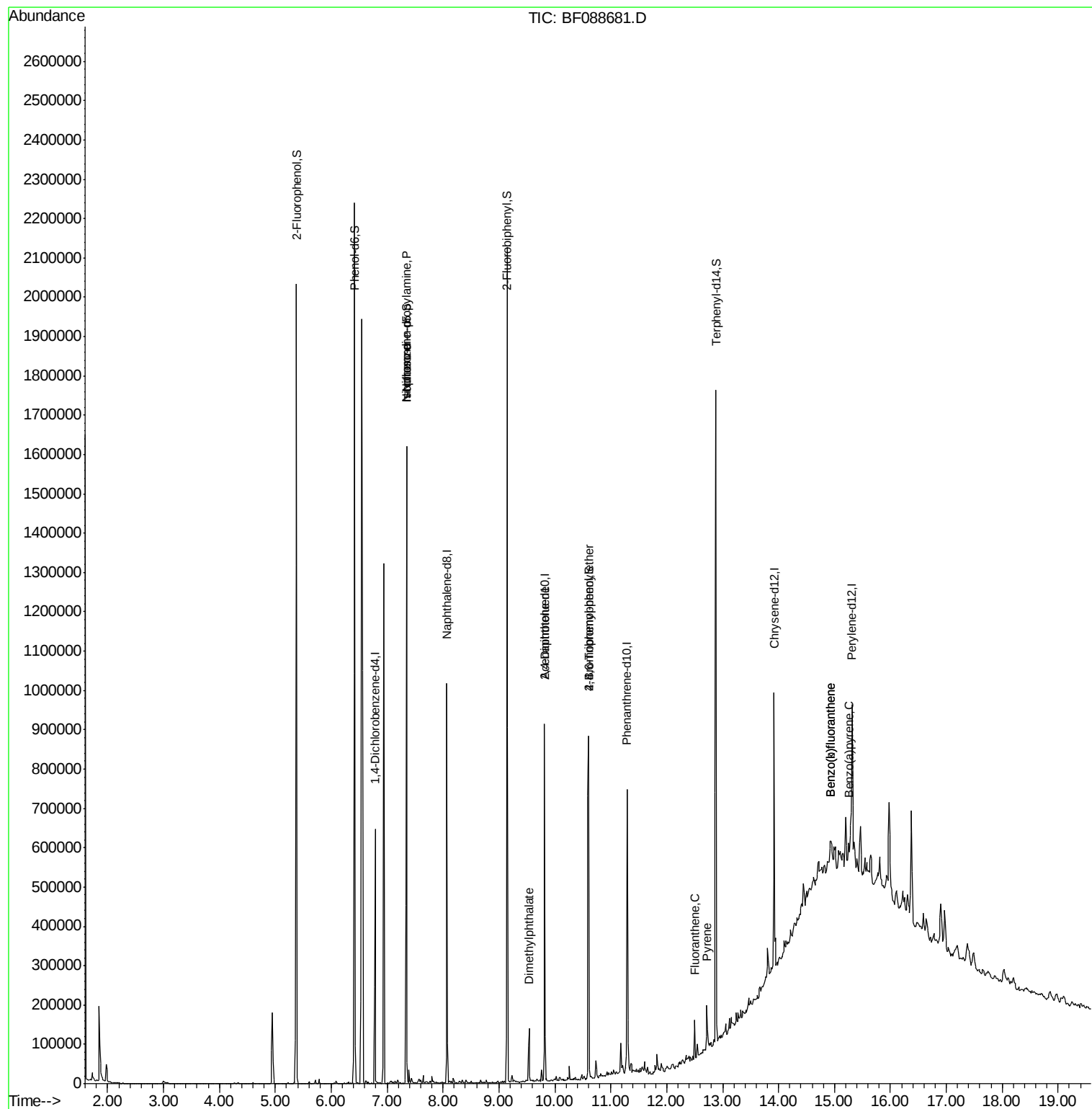
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	103431	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	383939	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	154932	20.00	ng	-0.03
63) Phenanthrene-d10	11.29	188	235844	20.00	ng	-0.03
75) Chrysene-d12	13.92	240	210285	20.00	ng	-0.03
86) Perylene-d12	15.31	264	169600	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	694230	100.59	ng	-0.02
7) Phenol-d6	6.42	99	839262	94.11	ng	-0.02
23) Nitrobenzene-d5	7.35	82	519859	70.96	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	140268	97.50	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	729812	74.41	ng	-0.03
78) Terphenyl-d14	12.88	244	514921	54.54	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	70671	11.80	ng	# 72
25) Isophorone	7.35	82	408249	30.08	ng	# 65
49) Dimethylphthalate	9.54	163	68660	6.22	ng	98
56) 2,4-Dinitrotoluene	9.82	165	19895	6.22	ng	# 38
66) 4-Bromophenyl-phenylether	10.60	248	8933	3.76	ng	# 1
74) Fluoranthene	12.50	202	49273	3.77	ng	94
77) Pyrene	12.72	202	50265	2.82	ng	97
87) Benzo(b)fluoranthene	14.93	252	39149	3.68	ng	# 62
88) Benzo(k)fluoranthene	14.93	252	39149	4.23	ng	# 67
89) Benzo(a)pyrene	15.26	252	20122	2.23	ng	# 77

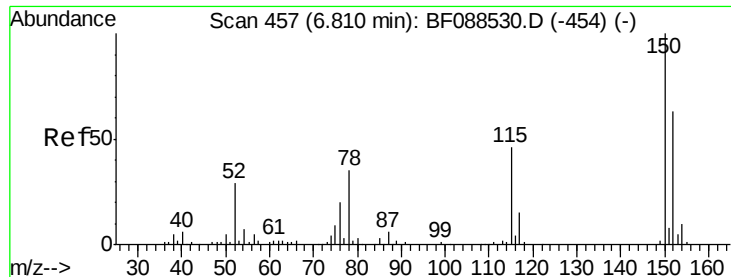
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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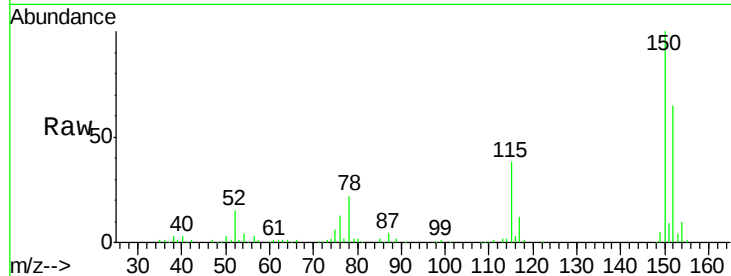


#1

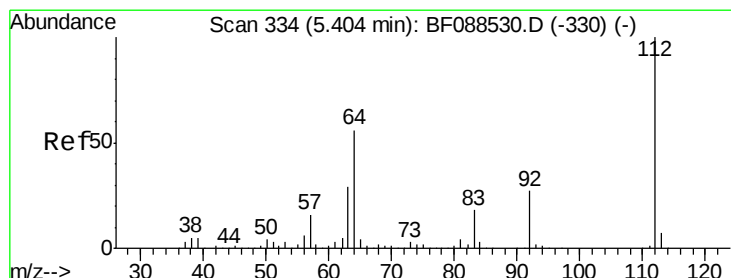
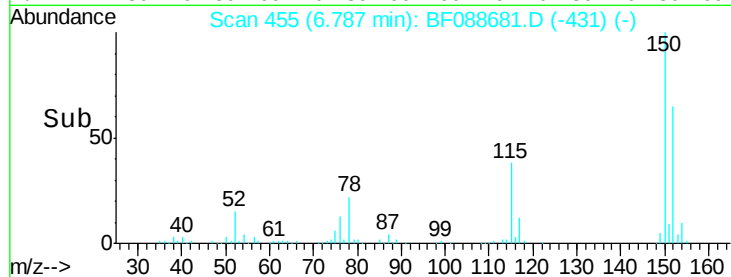
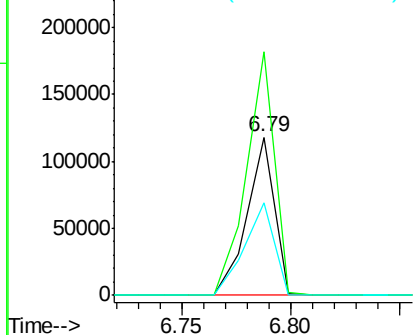
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF088681.D
Acq: 4 Jul 2016 8:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 103431
Ion Ratio Lower Upper
152 100
150 154.0 123.8 185.6
115 58.5 39.6 59.4



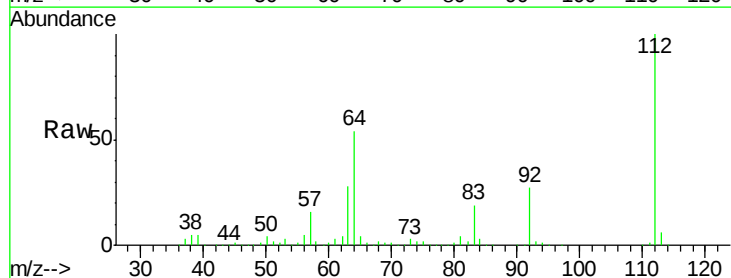
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



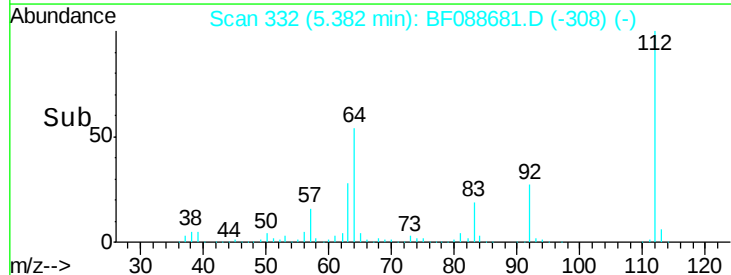
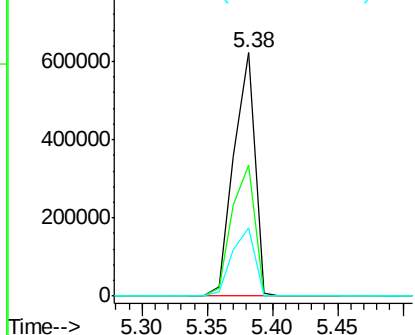
#5

2-Fluorophenol
Concen: 100.59 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.02 min
Lab File: BF088681.D
Acq: 4 Jul 2016 8:15

Tgt Ion:112 Resp: 694230
Ion Ratio Lower Upper
112 100
64 53.9 42.2 63.2
63 28.0 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: 94.11 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088681.D

Acq: 4 Jul 2016 8:15

Instrument :

BNA_F

ClientSampled :

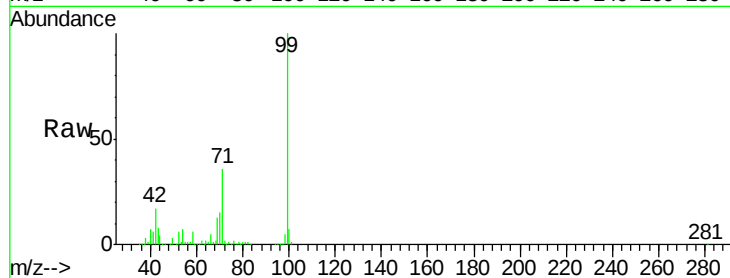
Tot Ion: 99 Resp: 839262

Ion Ratio Lower Upper

99 100

42 17.1 12.2 18.2

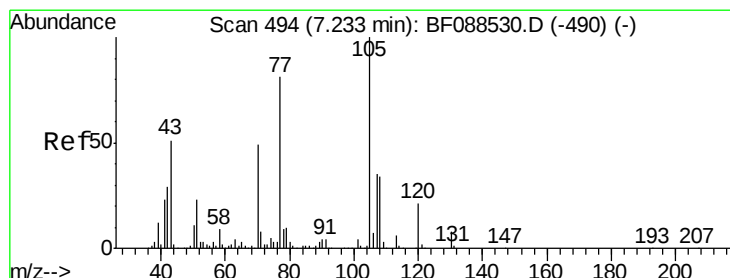
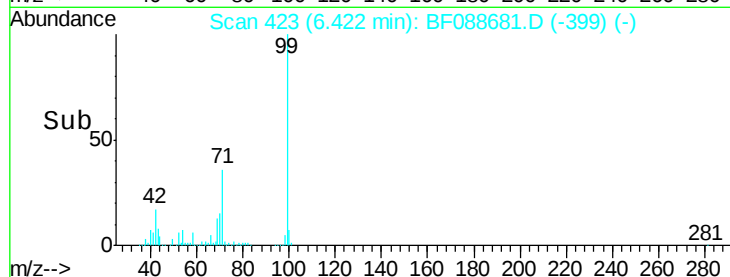
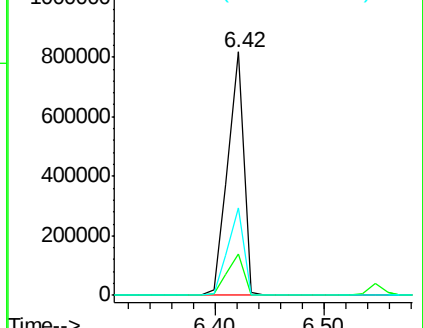
71 35.8 23.4 35.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.80 ng

RT: 7.35 min Scan# 504

Delta R.T. 0.11 min

Lab File: BF088681.D

Acq: 4 Jul 2016 8:15

Tgt Ion: 70 Resp: 70671

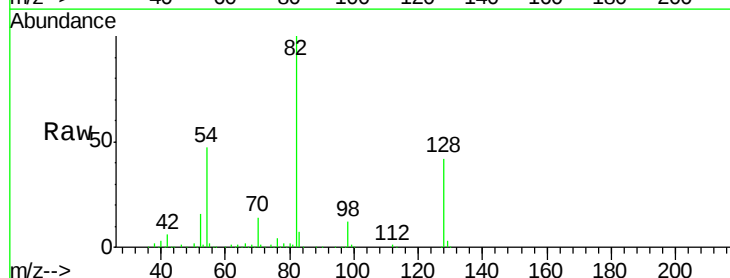
Ion Ratio Lower Upper

70 100

42 42.4 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#

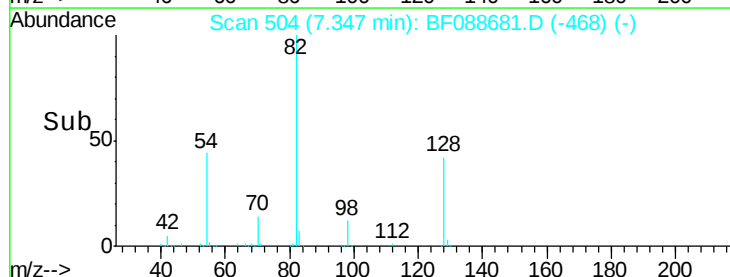
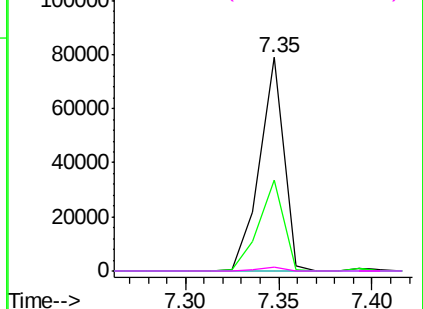


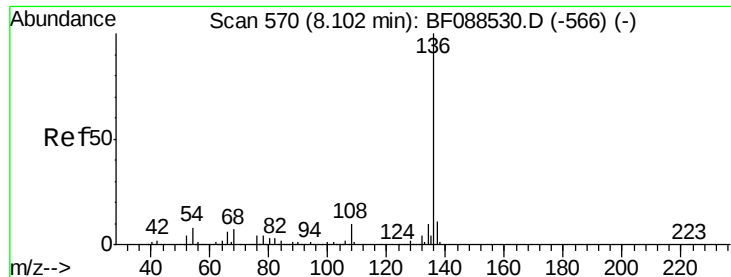
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

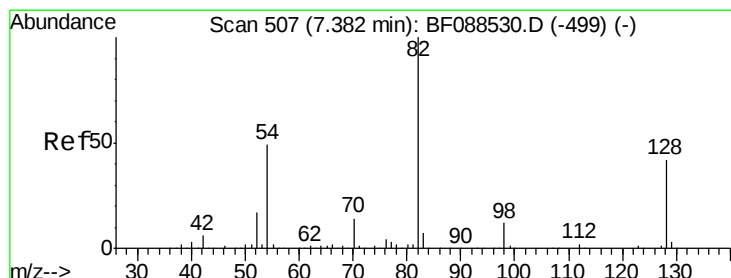
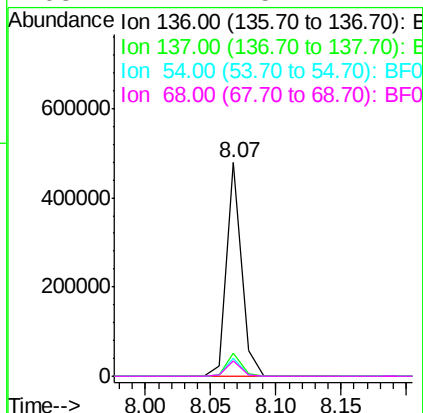
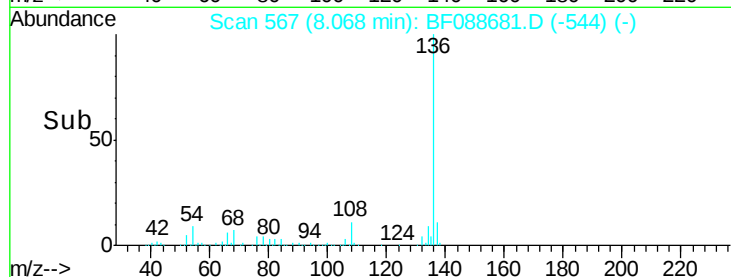
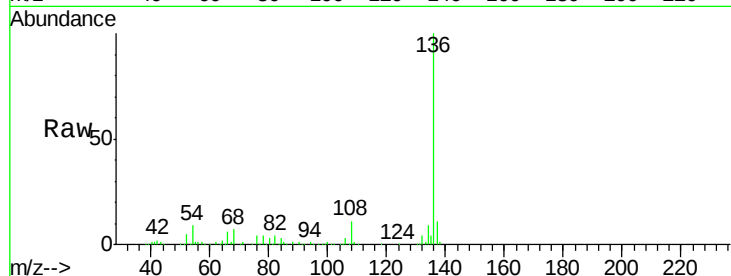




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.03 min
Lab File: BF088681.D
Acq: 4 Jul 2016 8:15

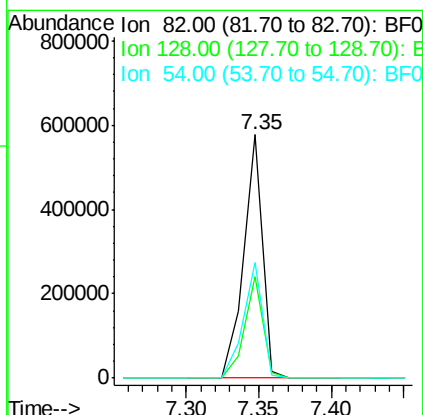
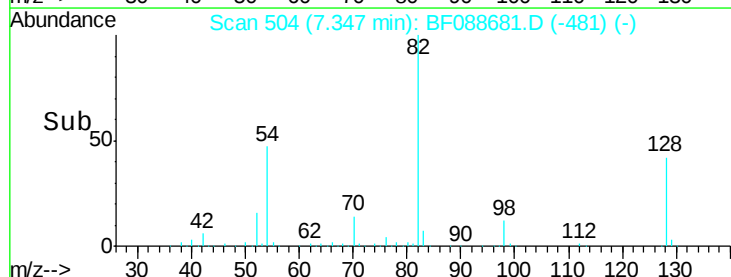
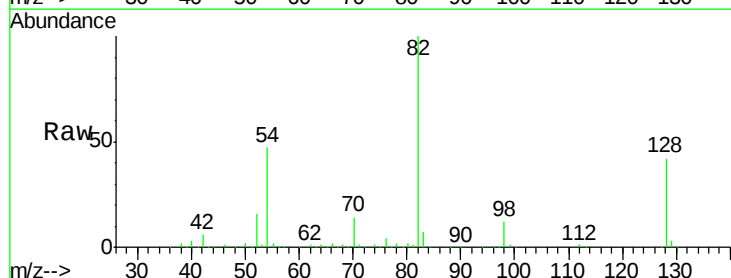
Instrument :
BNA_F
ClientSampleId :

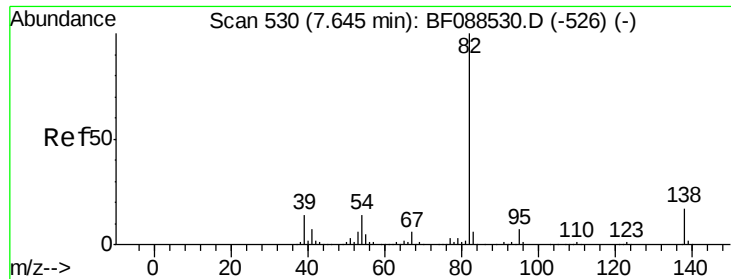
Tot Ion:136	Resp:	383939
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.1 13.7
54	8.5	6.6 10.0
68	7.4	5.1 7.7



#23
Nitrobenzene-d5
Concen: 70.96 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.03 min
Lab File: BF088681.D
Acq: 4 Jul 2016 8:15

Tgt Ion: 82	Resp:	519859
Ion Ratio	Lower	Upper
82	100	
128	41.6	35.9 53.9
54	47.4	40.9 61.3





#25

Isophorone

Concen: 30.08 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.30 min

Lab File: BF088681.D

Acq: 4 Jul 2016 8:15

Instrument :

BNA_F

ClientSampleId :

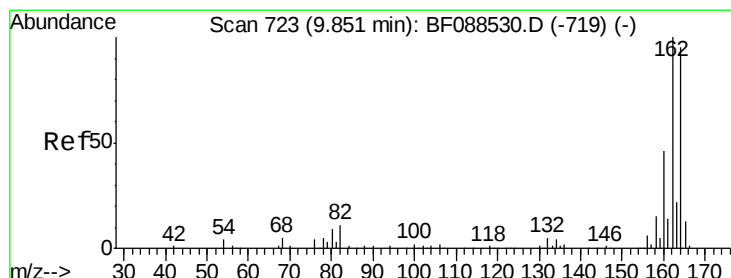
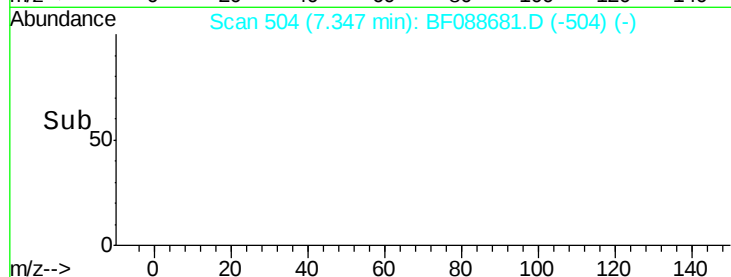
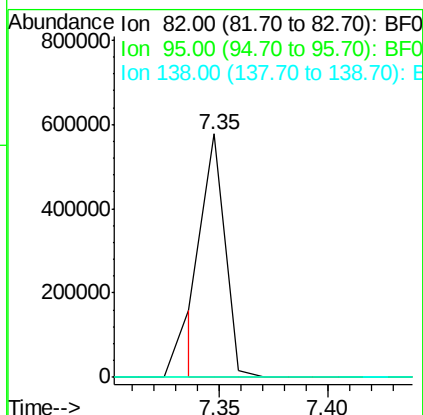
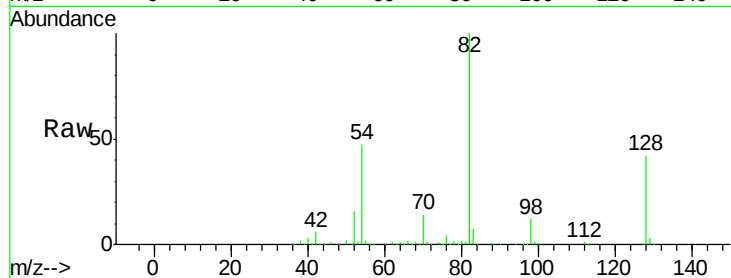
Tot Ion: 82 Resp: 408249

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: 9.82 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF088681.D

Acq: 4 Jul 2016 8:15

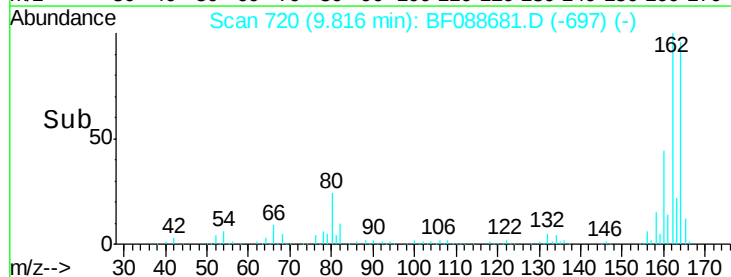
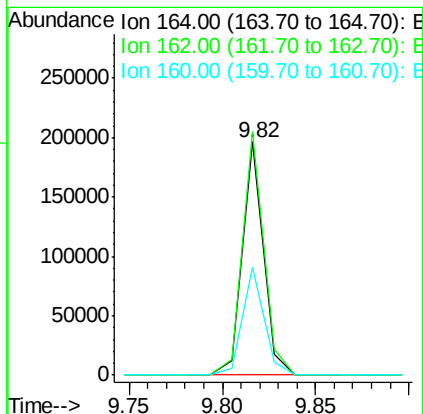
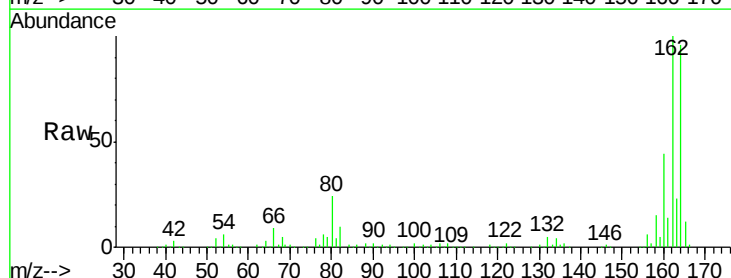
Tgt Ion: 164 Resp: 154932

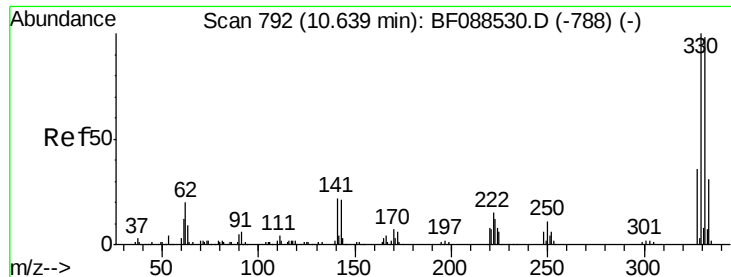
Ion Ratio Lower Upper

164 100

162 104.4 85.4 128.2

160 46.1 39.5 59.3

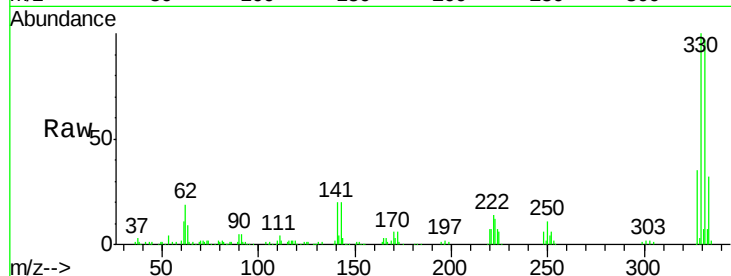




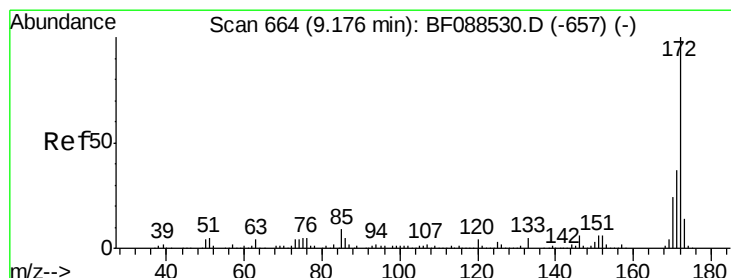
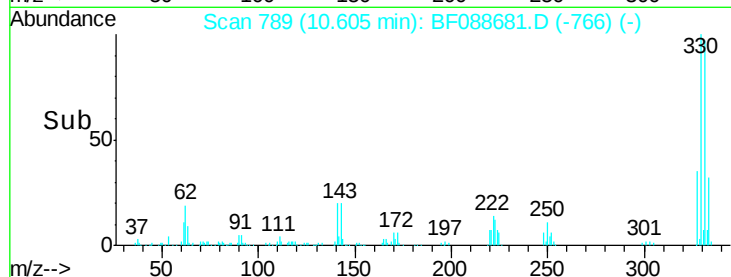
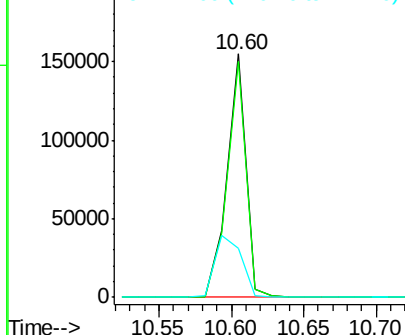
#41
 2,4,6-Tribromophenol
 Concen: 97.50 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF088681.D
 Acq: 4 Jul 2016 8:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	36.3	0.0	0.0#

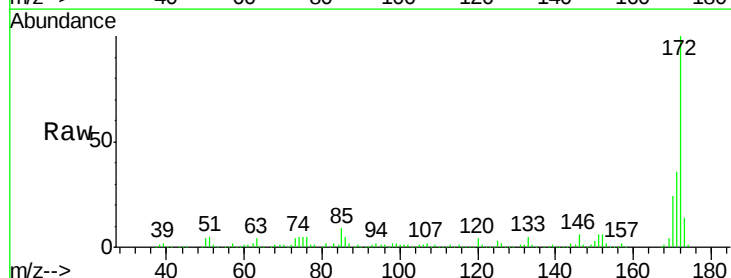


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

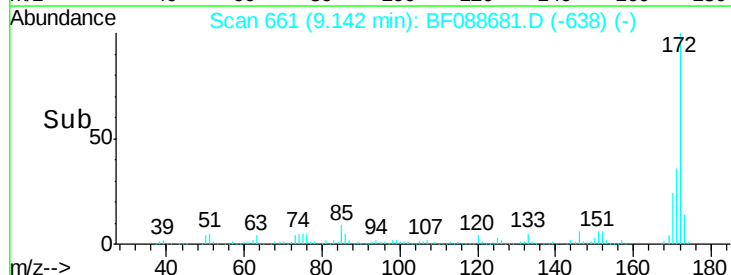
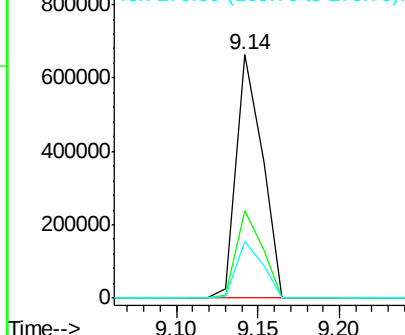


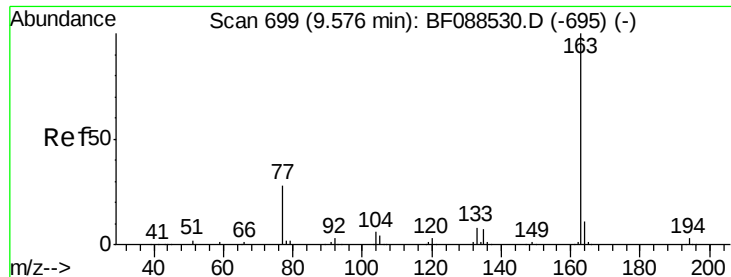
#44
 2-Fluorobiphenyl
 Concen: 74.41 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.03 min
 Lab File: BF088681.D
 Acq: 4 Jul 2016 8:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.5	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

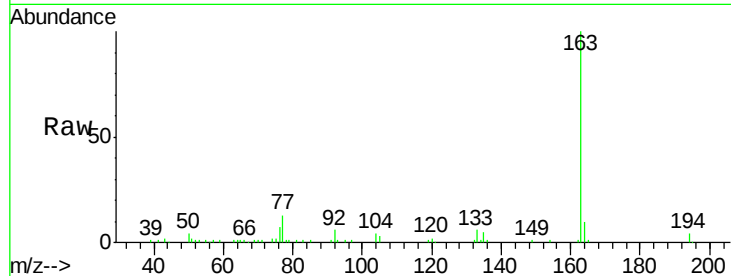




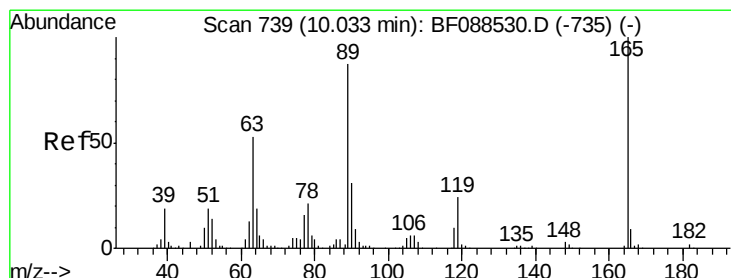
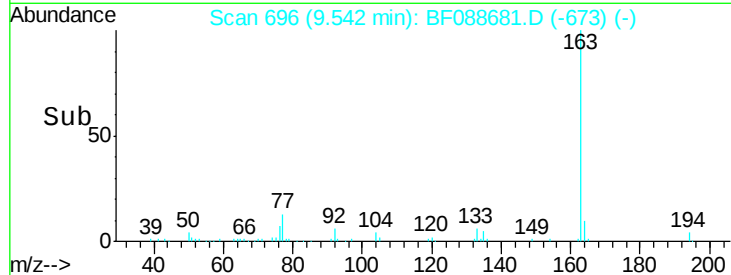
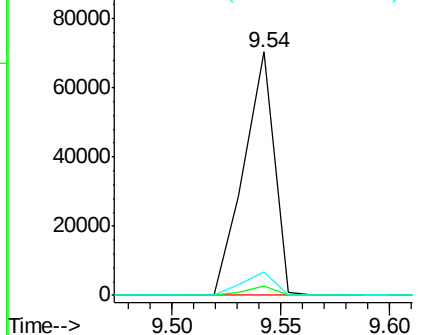
#49
Dimethylphthalate
Concen: 6.22 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF088681.D
Acq: 4 Jul 2016 8:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 68660
Ion Ratio Lower Upper
163 100
194 4.0 2.8 4.2
164 9.6 8.3 12.5

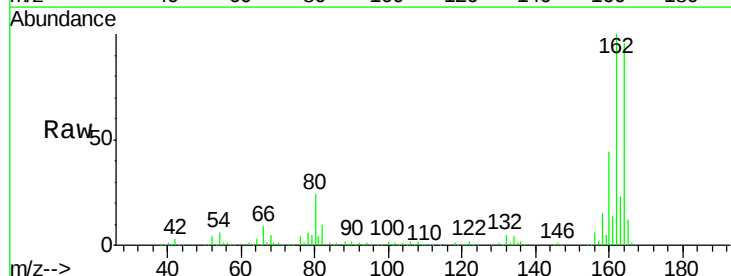


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

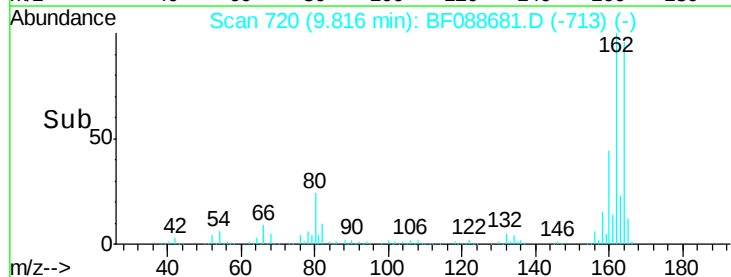
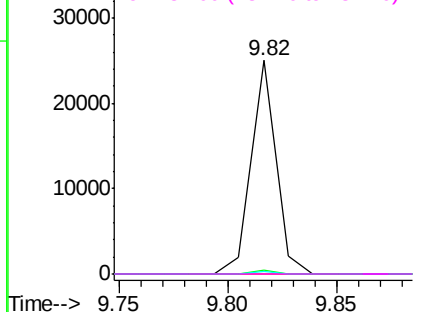


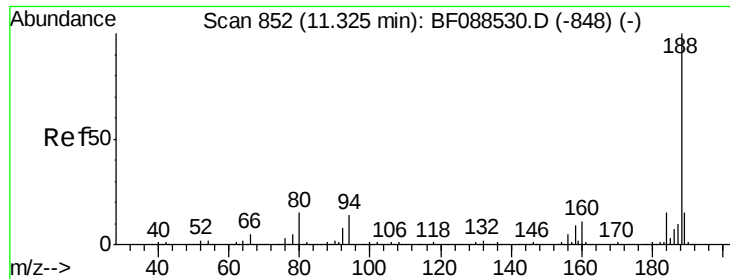
#56
2,4-Dinitrotoluene
Concen: 6.22 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.22 min
Lab File: BF088681.D
Acq: 4 Jul 2016 8:15

Tgt Ion:165 Resp: 19895
Ion Ratio Lower Upper
165 100
63 1.7 22.0 33.0#
89 1.5 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

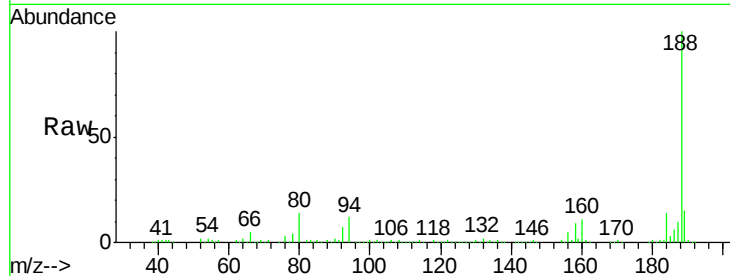




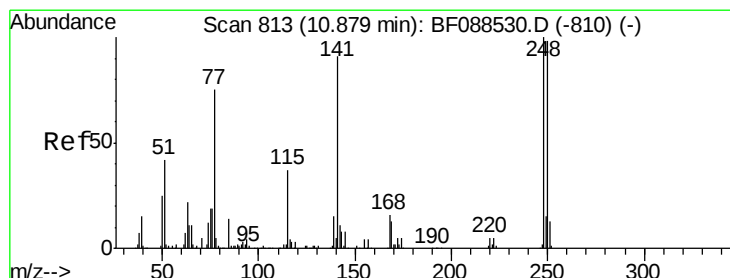
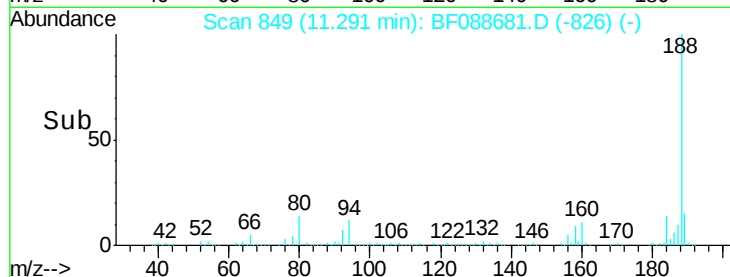
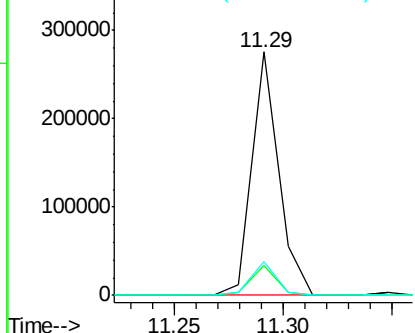
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.03 min
Lab File: BF088681.D
Acq: 4 Jul 2016 8:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 235844
Ion Ratio Lower Upper
188 100
94 12.2 9.0 13.6
80 14.0 10.0 15.0

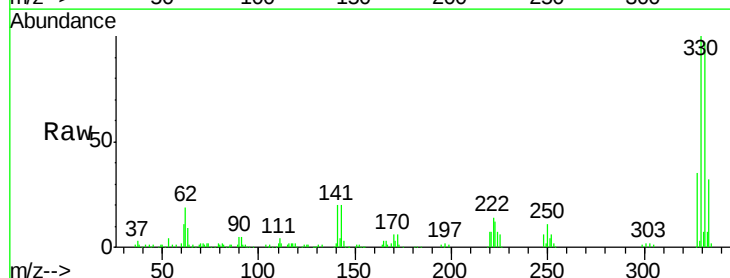


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

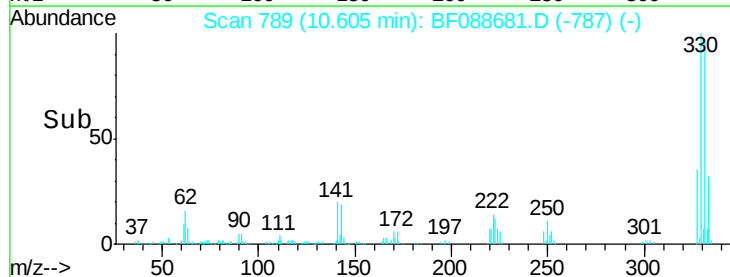
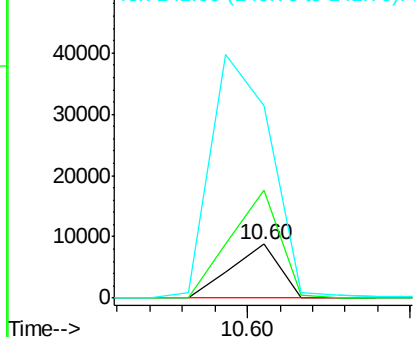


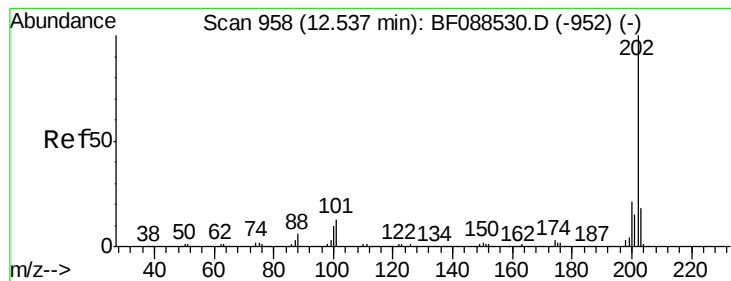
#66
4-Bromophenyl-phenylether
Concen: 3.76 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.27 min
Lab File: BF088681.D
Acq: 4 Jul 2016 8:15

Tgt Ion:248 Resp: 8933
Ion Ratio Lower Upper
248 100
250 198.8 77.1 115.7#
141 356.1 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

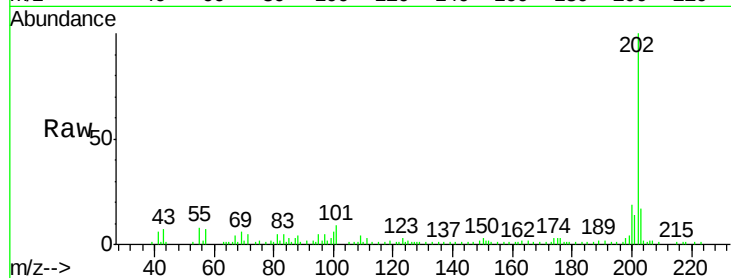




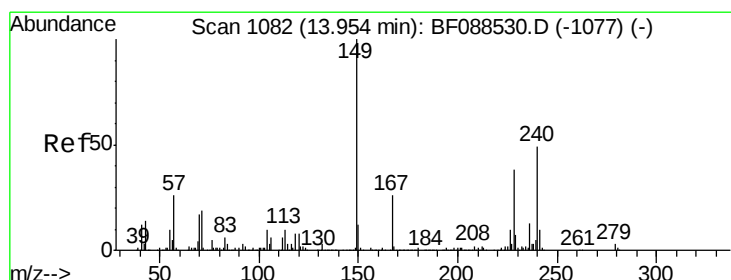
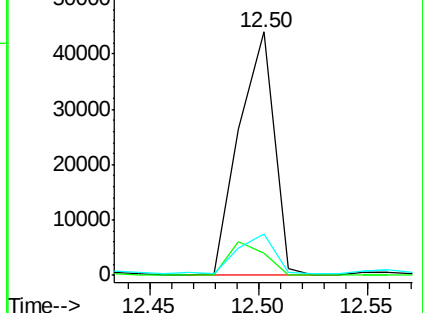
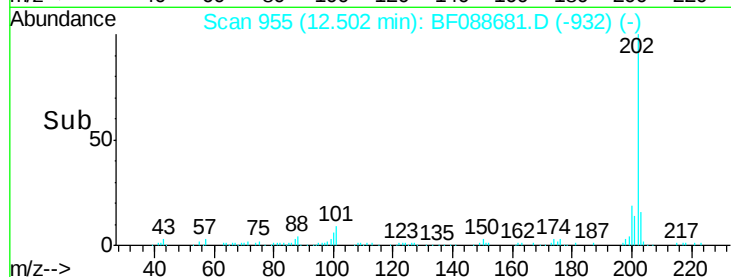
#74
 Fluoranthene
 Concen: 3.77 ng
 RT: 12.50 min Scan# 955
 Delta R.T. -0.03 min
 Lab File: BF088681.D
 Acq: 4 Jul 2016 8:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	33.1
203	17.1	0.0	38.1

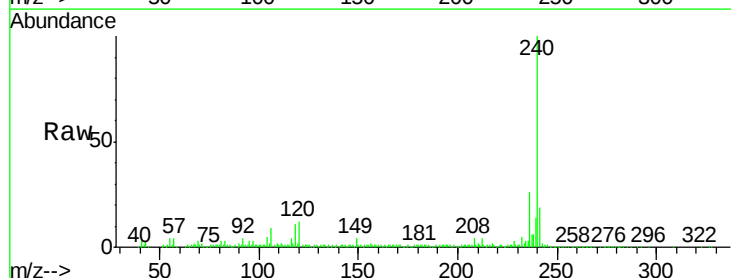


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

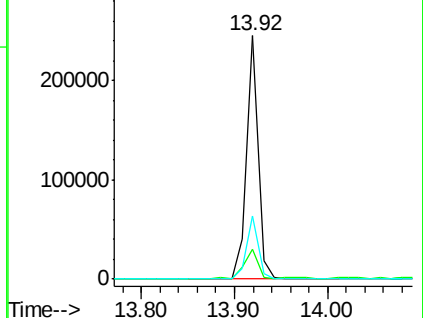
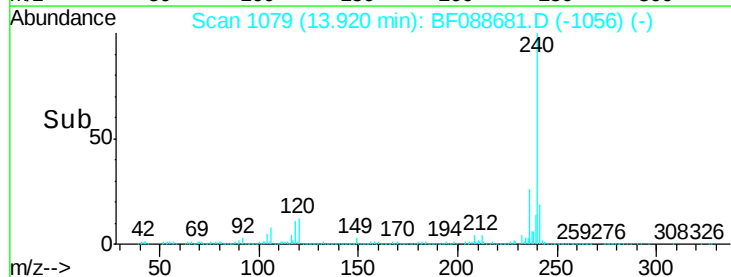


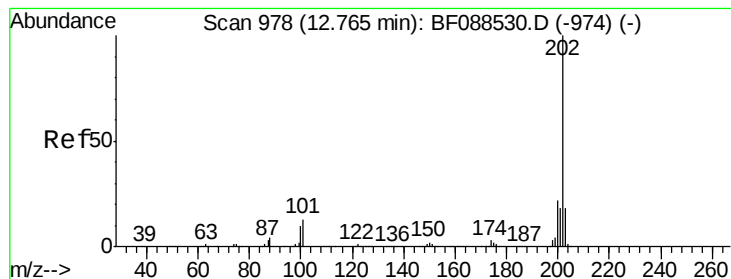
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.92 min Scan# 1079
 Delta R.T. -0.03 min
 Lab File: BF088681.D
 Acq: 4 Jul 2016 8:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.4	6.8	10.2#
236	26.1	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: 2.82 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.05 min

Lab File: BF088681.D

Acq: 4 Jul 2016 8:15

Instrument :

BNA_F

ClientSampleId :

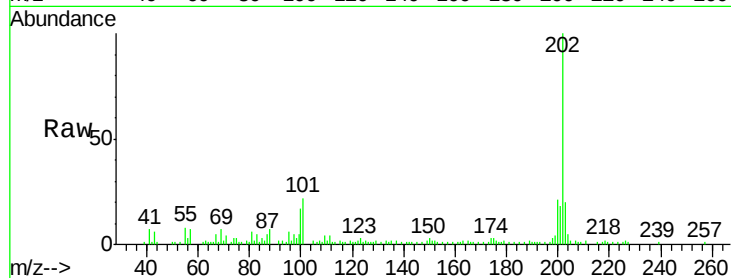
Tot Ion:202 Resp: 50265

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

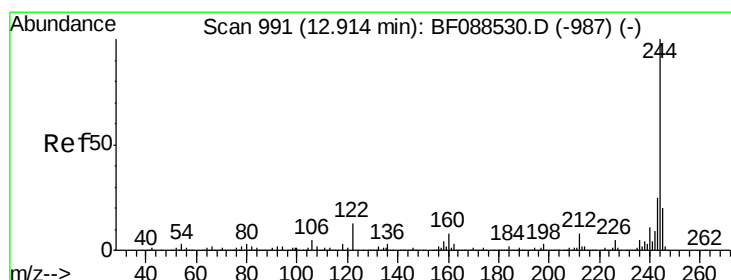
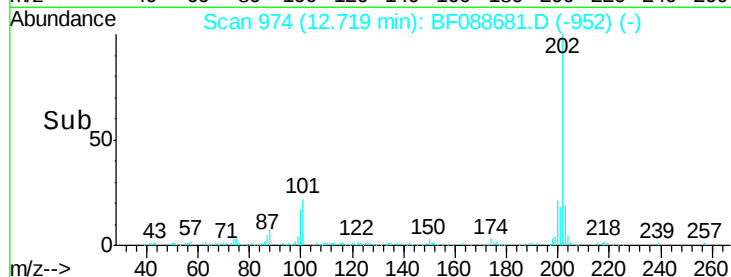
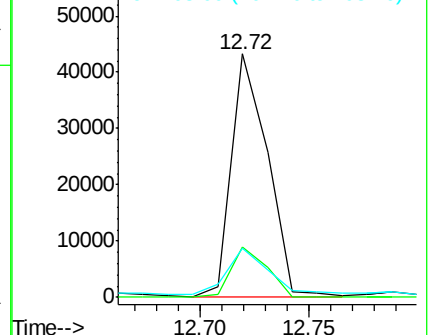
203 20.0 14.5 21.7



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: 54.54 ng

RT: 12.88 min Scan# 988

Delta R.T. -0.03 min

Lab File: BF088681.D

Acq: 4 Jul 2016 8:15

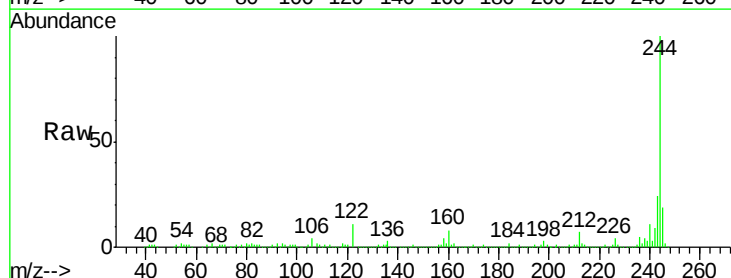
Tgt Ion:244 Resp: 514921

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

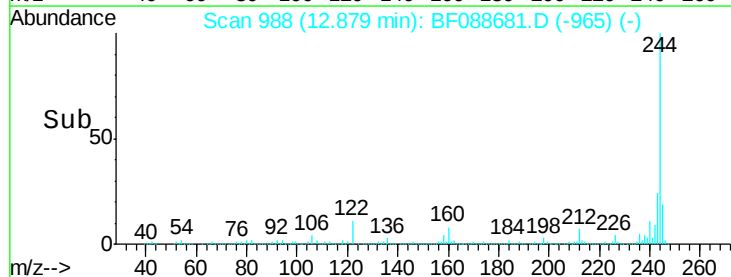
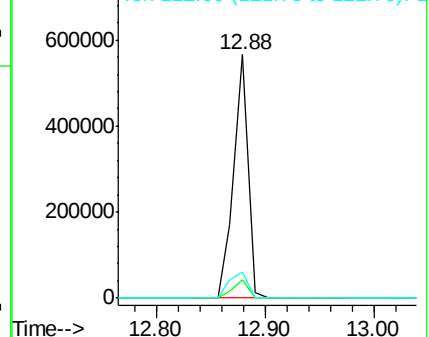
122 10.7 11.2 16.8#

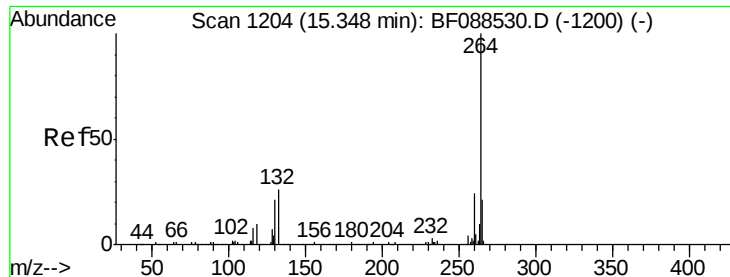


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

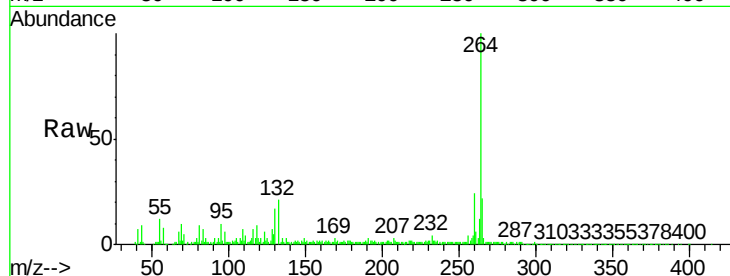




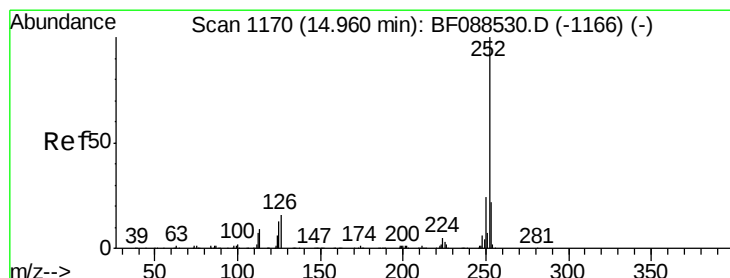
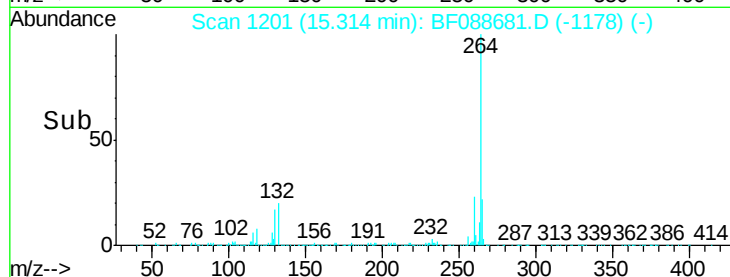
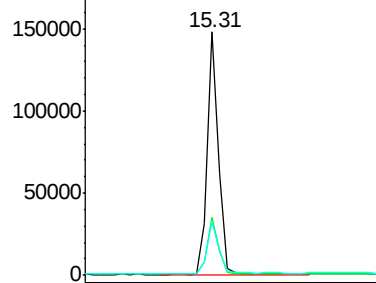
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF088681.D
Acq: 4 Jul 2016 8:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 169600
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.3 16.9 25.3

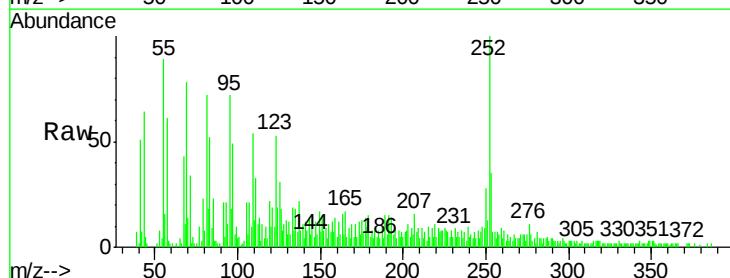


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

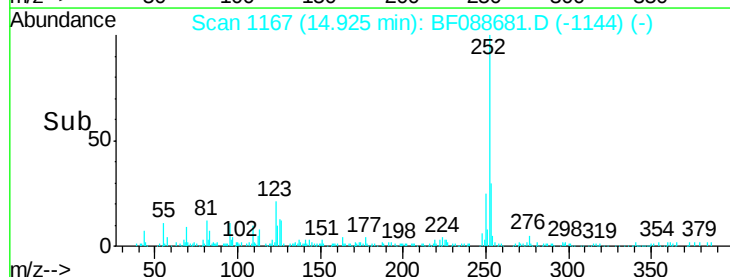
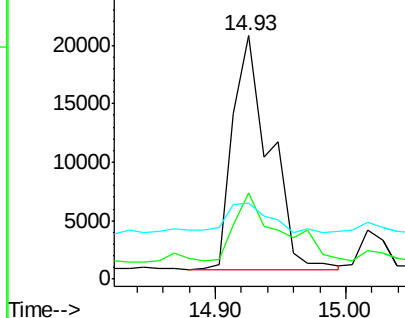


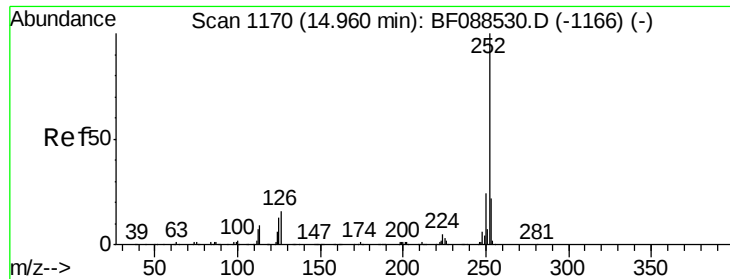
#87
Benzo(b)fluoranthene
Concen: 3.68 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF088681.D
Acq: 4 Jul 2016 8:15

Tgt Ion:252 Resp: 39149
Ion Ratio Lower Upper
252 100
253 35.2 17.4 26.2#
125 31.4 7.1 10.7#



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

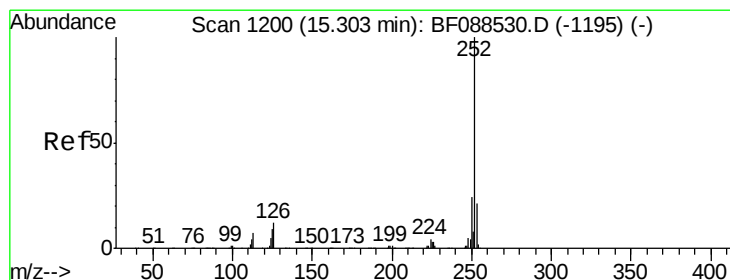
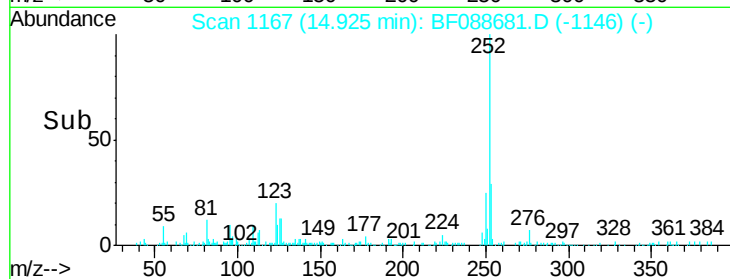
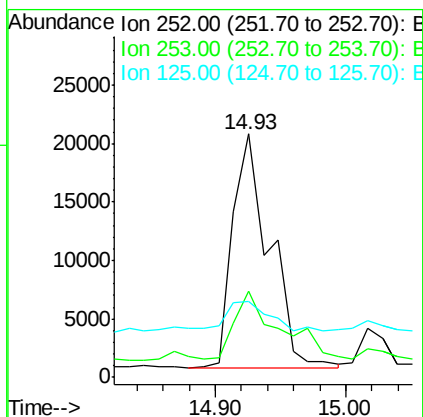
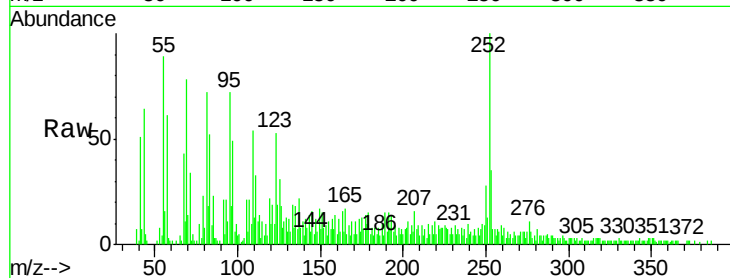




#88
Benzo(k)fluoranthene
Concen: 4.23 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.06 min
Lab File: BF088681.D
Acq: 4 Jul 2016 8:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 39149
Ion Ratio Lower Upper
252 100
253 35.2 18.0 27.0#
125 31.4 11.2 16.8#



#89
Benzo(a)pyrene
Concen: 2.23 ng
RT: 15.26 min Scan# 1196
Delta R.T. -0.05 min
Lab File: BF088681.D
Acq: 4 Jul 2016 8:15

Tgt Ion:252 Resp: 20122
Ion Ratio Lower Upper
252 100
253 28.0 17.9 26.9#
125 32.3 12.5 18.7#

