

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071316\
 Data File : BF088974.D
 Acq On : 13 Jul 2016 23:06
 Operator : UM/SJ
 Sample : H3946-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M8-B1(0-5)C

Quant Time: Jul 14 01:16:35 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

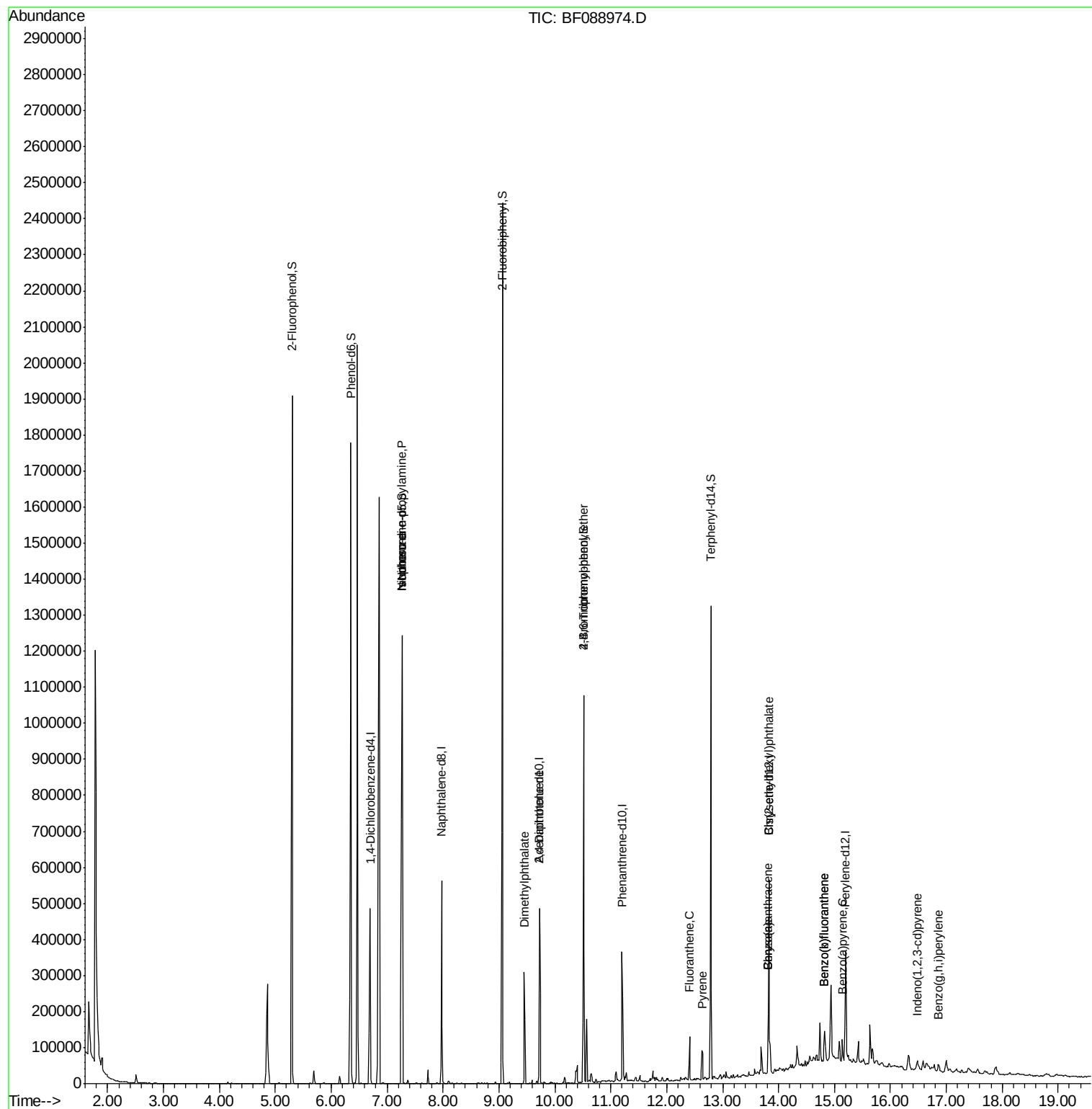
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	72870	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	257599	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	107412	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	163837	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	127624	20.00	ng	-0.02
86) Perylene-d12	15.20	264	119189	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	598485	123.09	ng	0.01
7) Phenol-d6	6.35	99	756430	120.40	ng	0.00
23) Nitrobenzene-d5	7.27	82	526118	107.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	139119	139.48	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	720552	105.96	ng	-0.01
78) Terphenyl-d14	12.79	244	372741	65.05	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	71891	17.04	ng	# 70
25) Isophorone	7.27	82	481579	52.89	ng	# 65
49) Dimethylphthalate	9.45	163	154516	20.19	ng	99
56) 2,4-Dinitrotoluene	9.72	165	14035	6.33	ng	# 37
66) 4-Bromophenyl-phenylether	10.51	248	8649	5.24	ng	# 1
74) Fluoranthene	12.41	202	49705	5.47	ng	94
77) Pyrene	12.64	202	43797	4.05	ng	97
80) Benzo(a)anthracene	13.82	228	31368	3.82	ng	93
82) Chrysene	13.82	228	31368	3.86	ng	98
83) Bis(2-ethylhexyl)phthalate	13.83	149	22802	4.14	ng	99
85) Indeno(1,2,3-cd)pyrene	16.48	276	16478	2.63	ng	# 100
87) Benzo(b)fluoranthene	14.82	252	51052	6.83	ng	# 95
88) Benzo(k)fluoranthene	14.82	252	51052	7.84	ng	100
89) Benzo(a)pyrene	15.14	252	24009	3.79	ng	97
91) Benzo(g,h,i)perylene	16.86	276	15670	2.86	ng	99

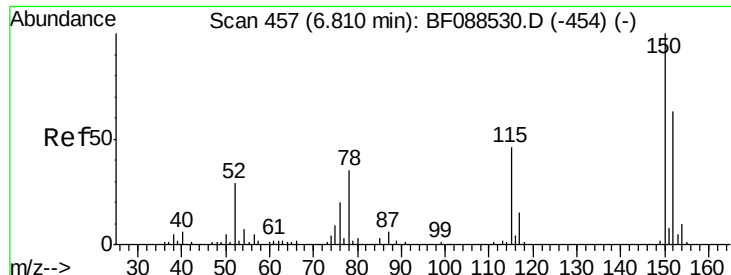
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF088974.D

Acq: 13 Jul 2016 23:06

Instrument :

BNA_F

ClientSampleId :

M8-B1(0-5)C

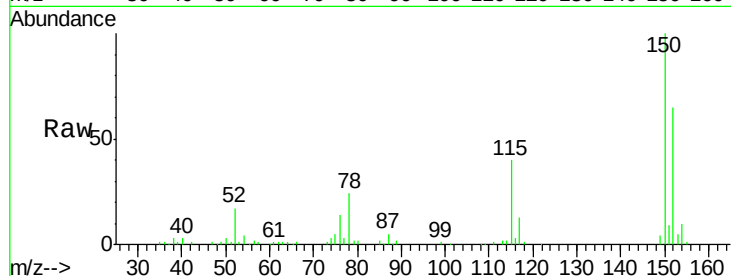
Tgt Ion:152 Resp: 72870

Ion Ratio Lower Upper

152 100

150 154.7 123.8 185.6

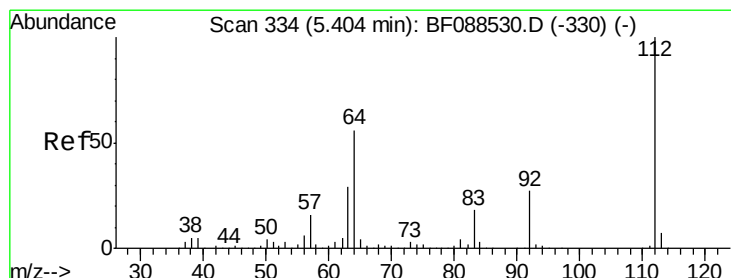
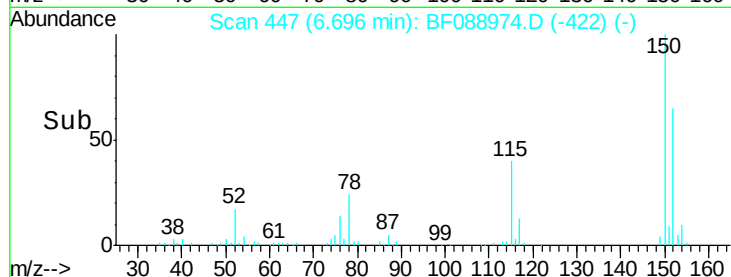
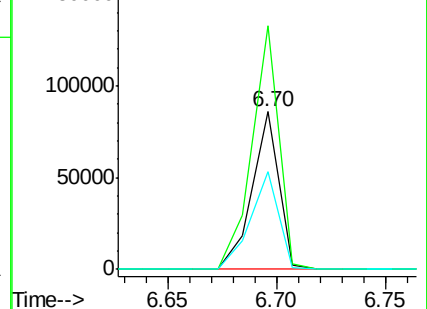
115 61.9 39.6 59.4#



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: 123.09 ng

RT: 5.30 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF088974.D

Acq: 13 Jul 2016 23:06

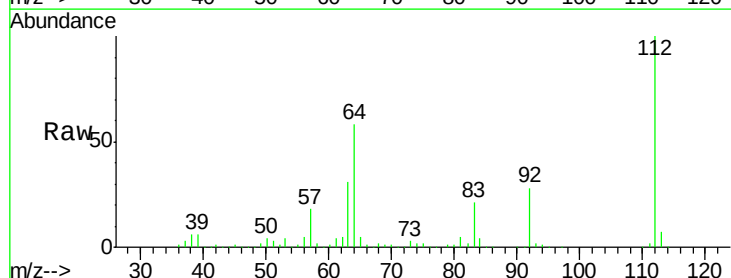
Tgt Ion:112 Resp: 598485

Ion Ratio Lower Upper

112 100

64 57.6 42.2 63.2

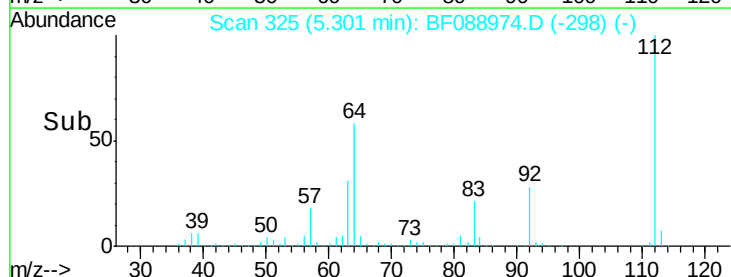
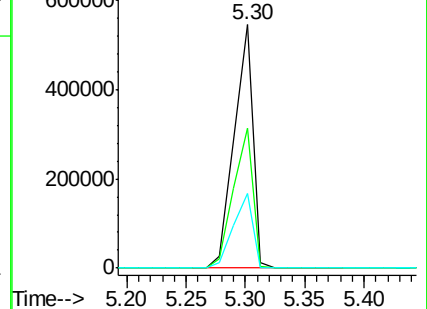
63 30.8 21.8 32.8

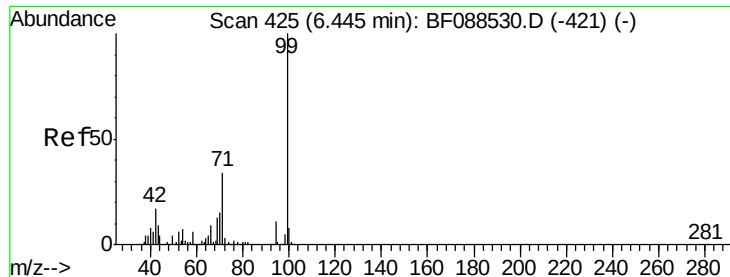


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.40 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088974.D

Acq: 13 Jul 2016 23:06

Instrument :

BNA_F

ClientSampleId :

M8-B1(0-5)C

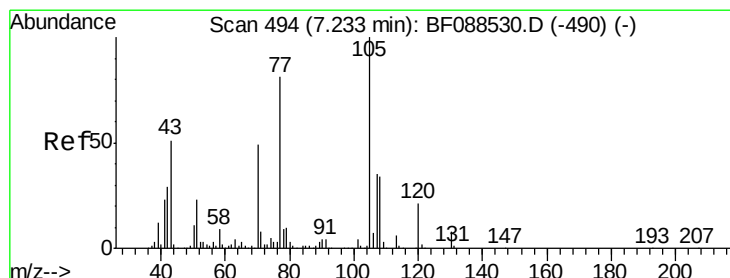
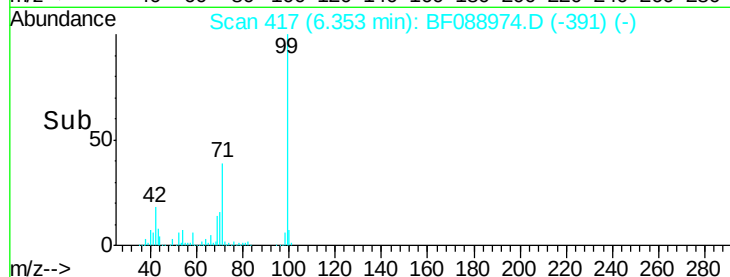
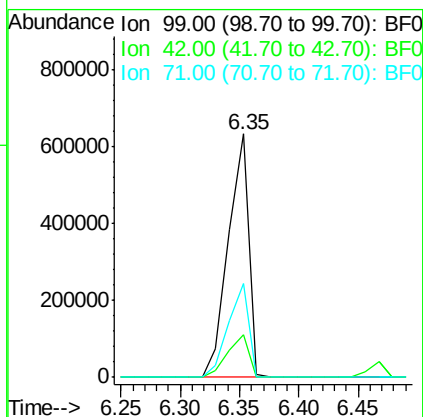
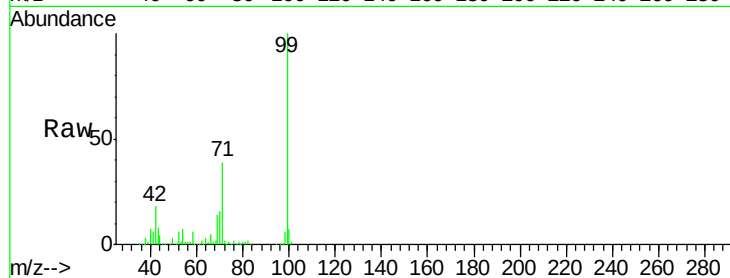
Tgt Ion: 99 Resp: 756430

Ion Ratio Lower Upper

99 100

42 17.7 12.2 18.2

71 38.6 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 17.04 ng

RT: 7.27 min Scan# 497

Delta R.T. 0.13 min

Lab File: BF088974.D

Acq: 13 Jul 2016 23:06

Tgt Ion: 70 Resp: 71891

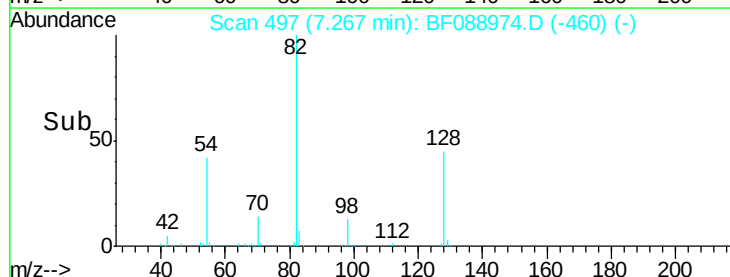
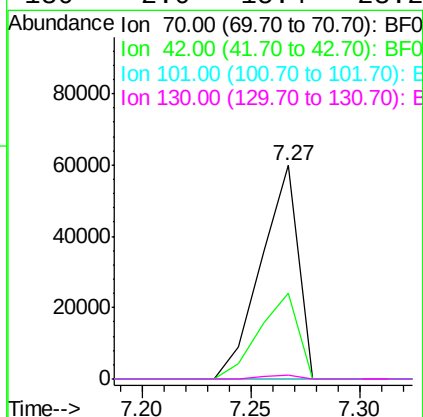
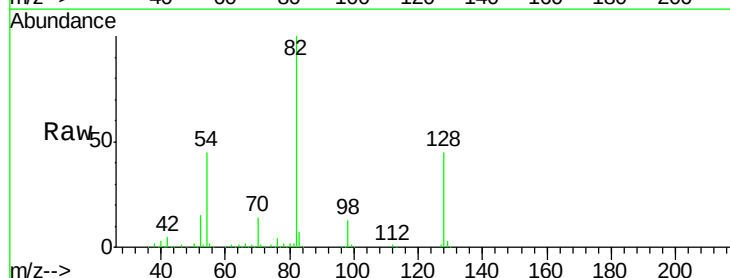
Ion Ratio Lower Upper

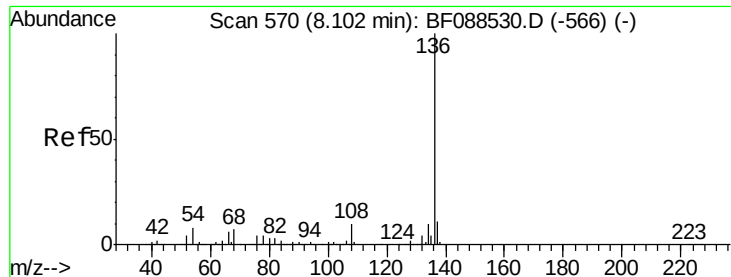
70 100

42 39.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#

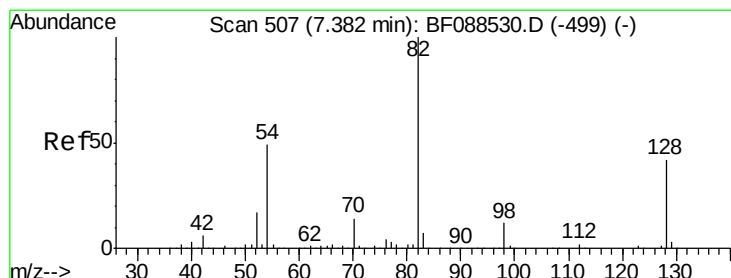
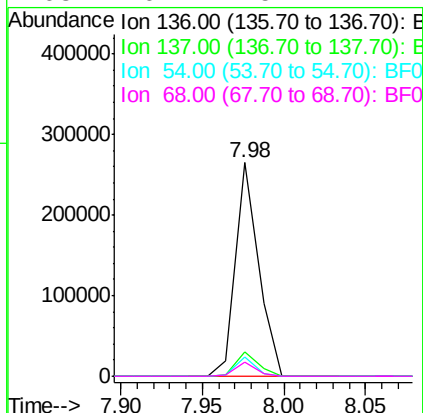
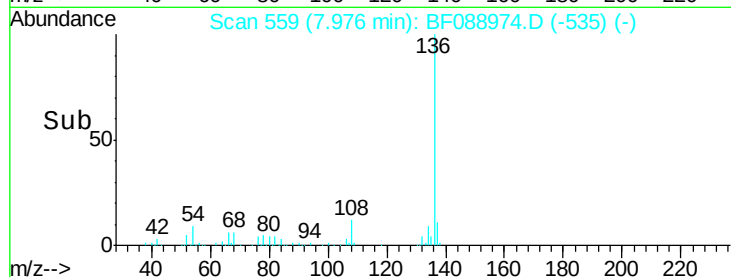
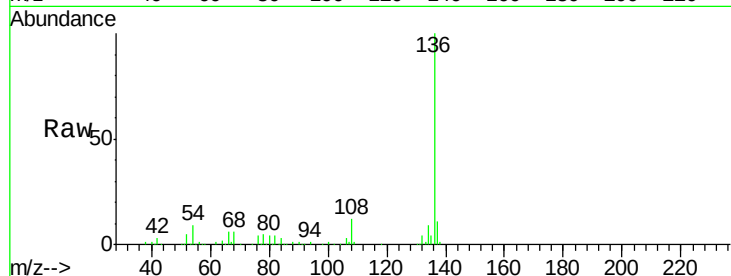




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF088974.D
Acq: 13 Jul 2016 23:06

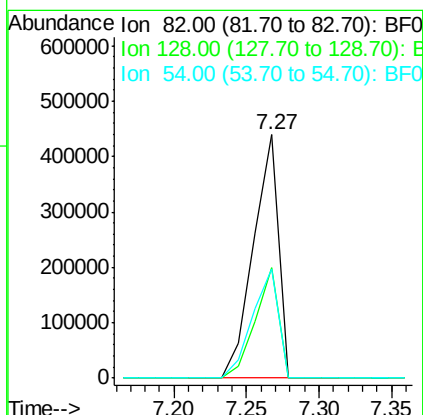
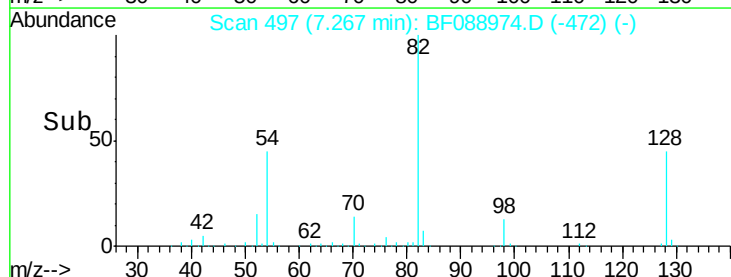
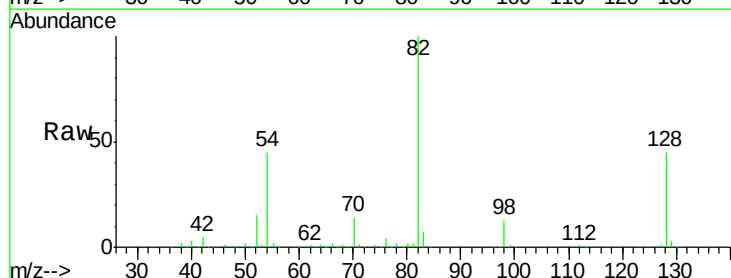
Instrument :
BNA_F
ClientSampleId :
M8-B1(0-5)C

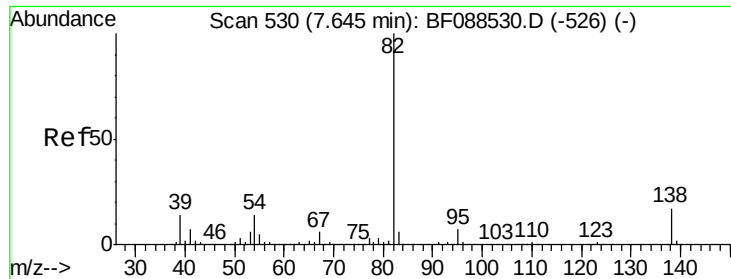
Tgt Ion:	136	Resp:	257599
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.8	6.6	10.0
68	6.4	5.1	7.7



#23
Nitrobenzene-d5
Concen: 107.03 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.01 min
Lab File: BF088974.D
Acq: 13 Jul 2016 23:06

Tgt Ion:	82	Resp:	526118
Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.9	53.9
54	44.9	40.9	61.3





#25

Isophorone

Concen: 52.89 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.27 min

Lab File: BF088974.D

Acq: 13 Jul 2016 23:06

Instrument :

BNA_F

ClientSampleId :

M8-B1(0-5)C

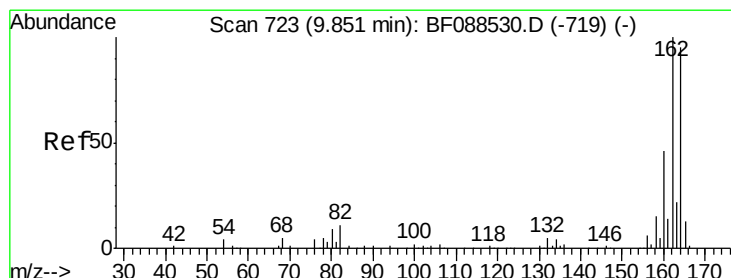
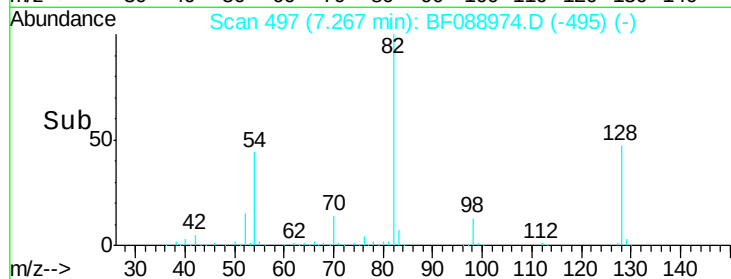
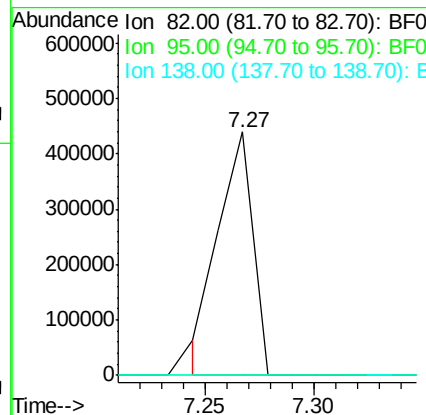
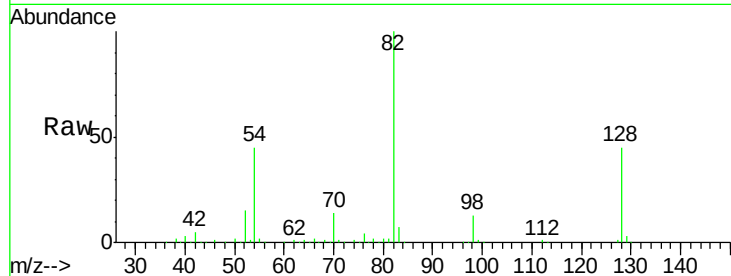
Tgt Ion: 82 Resp: 481579

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: BF088974.D

Acq: 13 Jul 2016 23:06

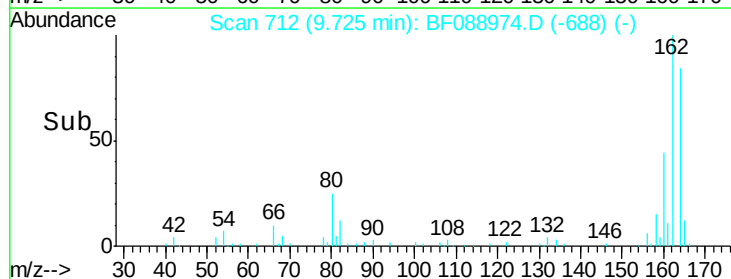
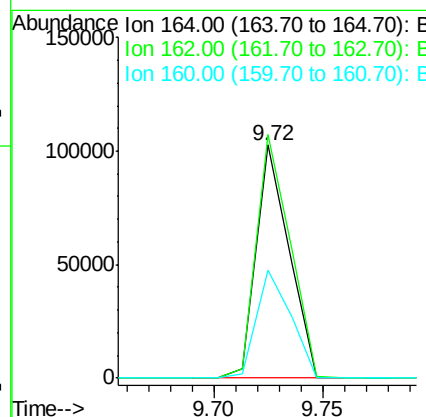
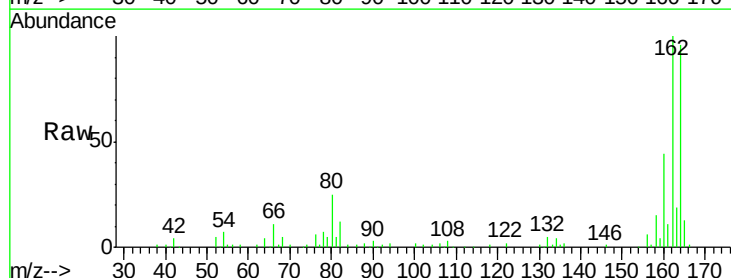
Tgt Ion: 164 Resp: 107412

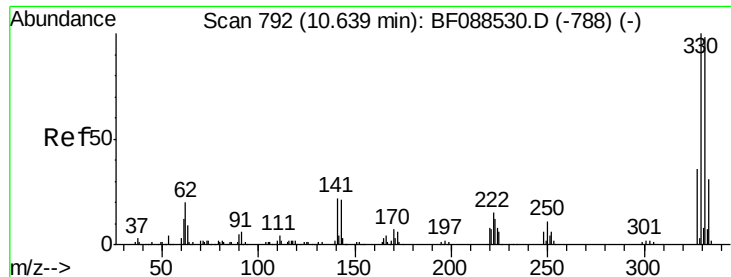
Ion Ratio Lower Upper

164 100

162 104.5 85.4 128.2

160 46.4 39.5 59.3

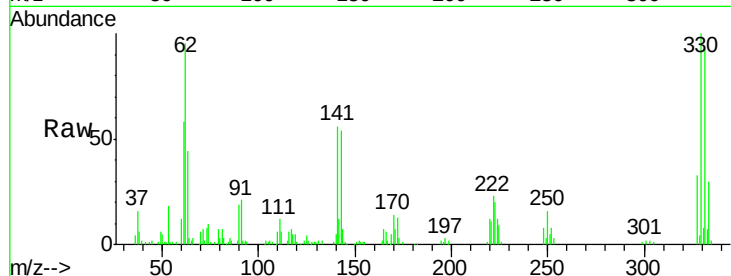




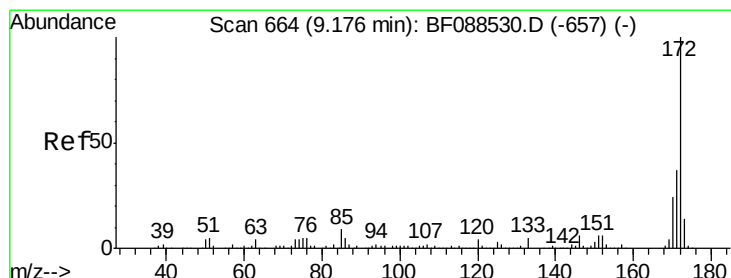
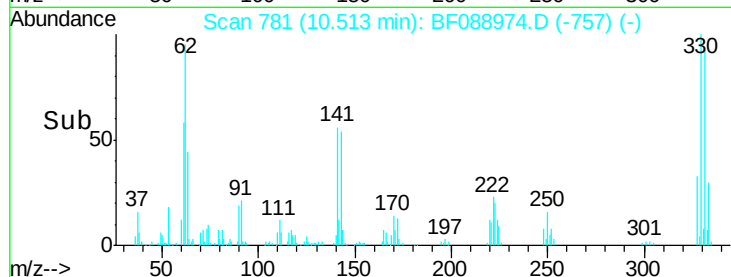
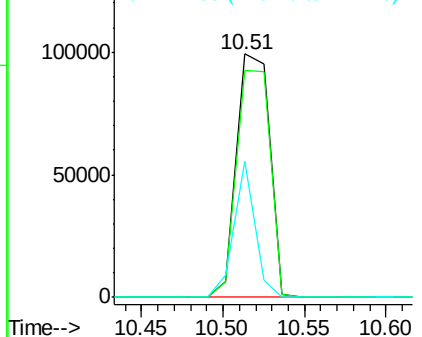
#41
 2,4,6-Tribromophenol
 Concen: 139.48 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF088974.D
 Acq: 13 Jul 2016 23:06

Instrument :
 BNA_F
 ClientSampleId :
 M8-B1(0-5)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	0.0	0.0#
141	35.6	0.0	0.0#

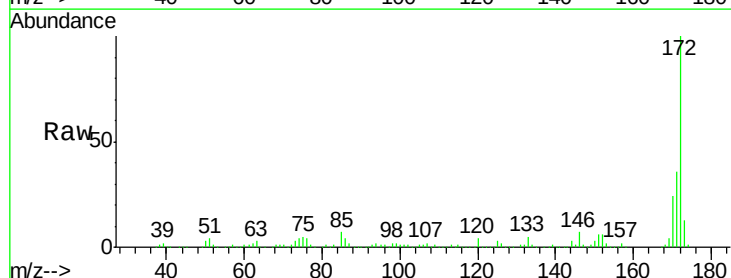


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

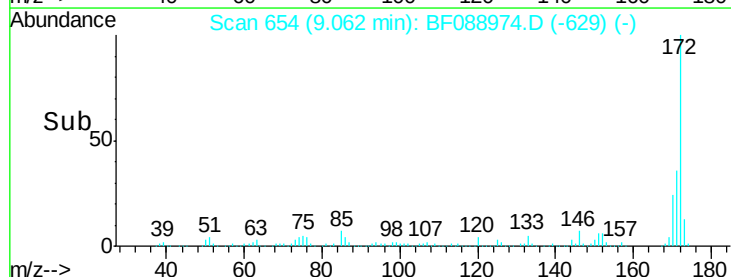
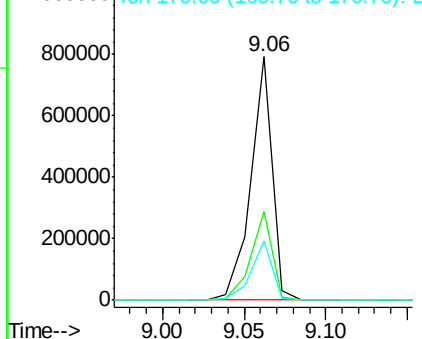


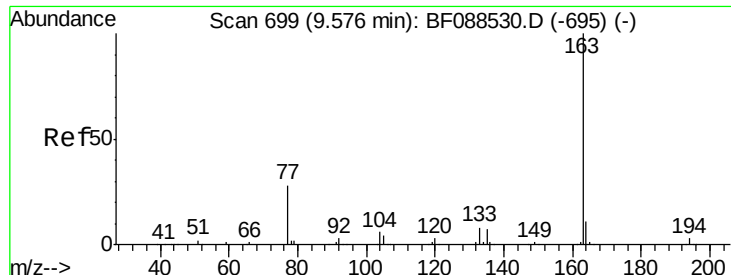
#44
 2-Fluorobiphenyl
 Concen: 105.96 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF088974.D
 Acq: 13 Jul 2016 23:06

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

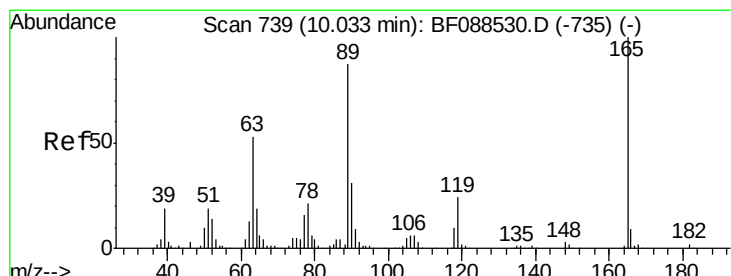
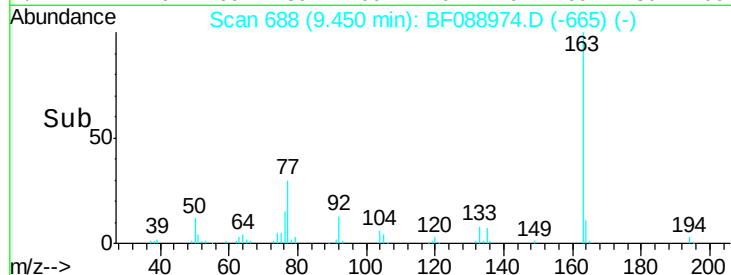
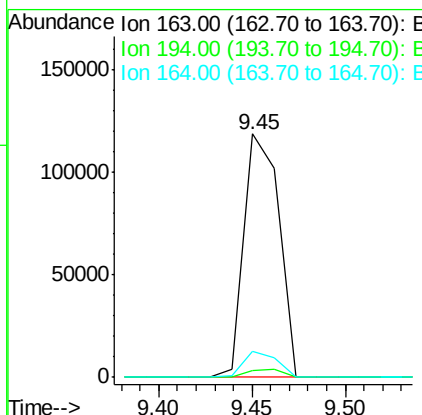
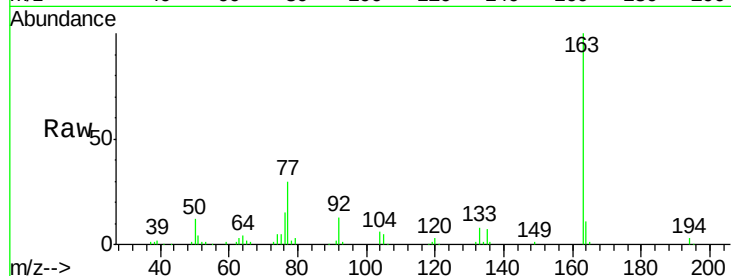




#49
Dimethylphthalate
Concen: 20.19 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.03 min
Lab File: BF088974.D
Acq: 13 Jul 2016 23:06

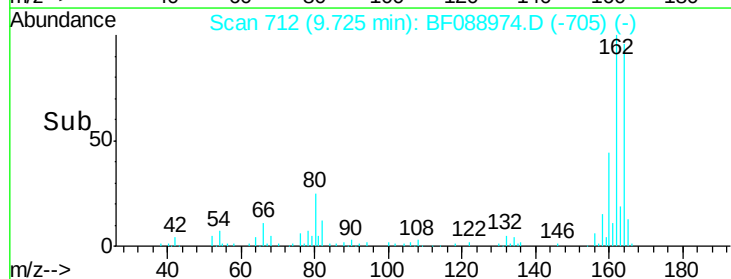
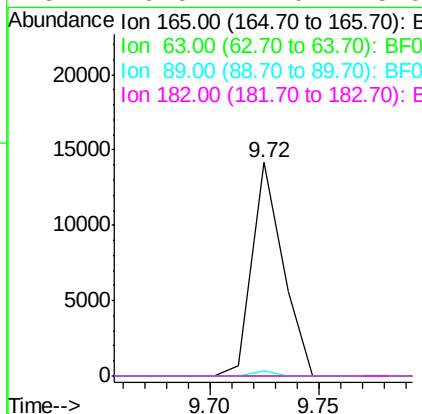
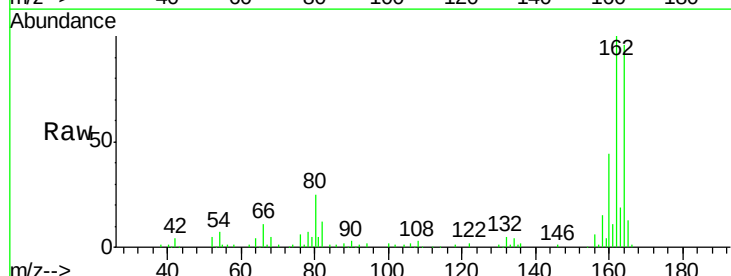
Instrument :
BNA_F
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M8-B1(0-5)C

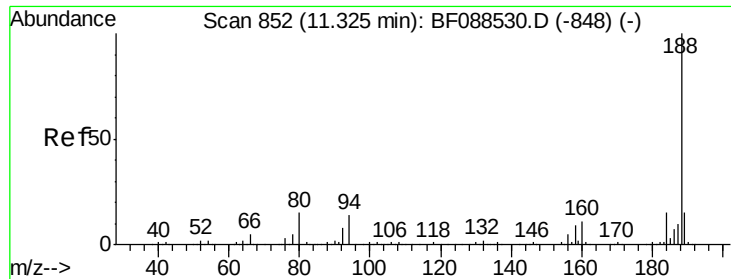
Tgt Ion:163 Resp: 154516
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.8 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.33 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.22 min
Lab File: BF088974.D
Acq: 13 Jul 2016 23:06

Tgt Ion:165 Resp: 14035
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 2.1 41.1 61.7#
182 0.0 2.0 3.0#

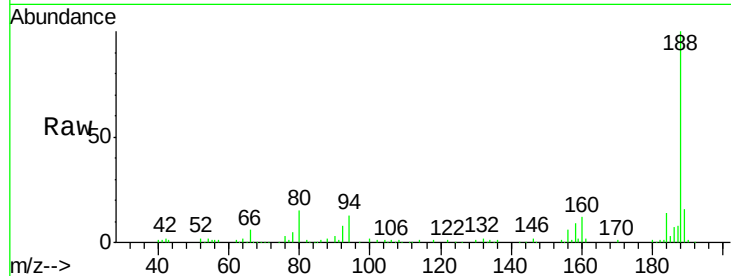




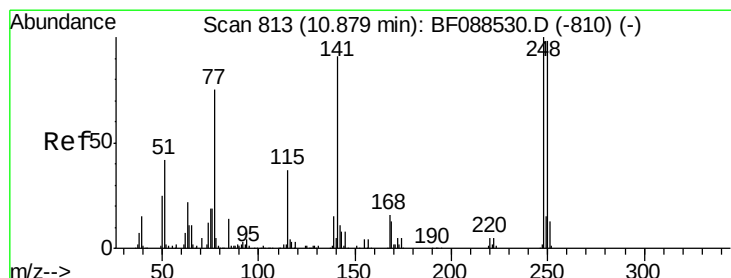
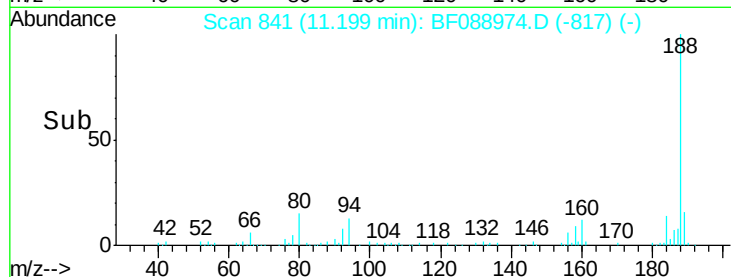
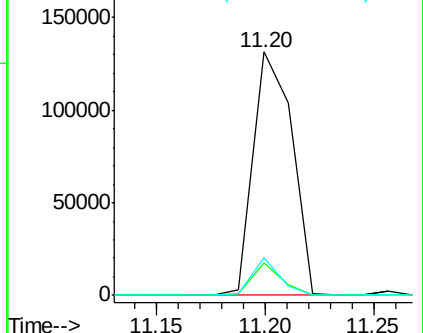
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF088974.D
Acq: 13 Jul 2016 23:06

Instrument :
BNA_F
ClientSampleId :
M8-B1(0-5)C

Tgt Ion:188 Resp: 163837
Ion Ratio Lower Upper
188 100
94 13.1 9.0 13.6
80 15.2 10.0 15.0#

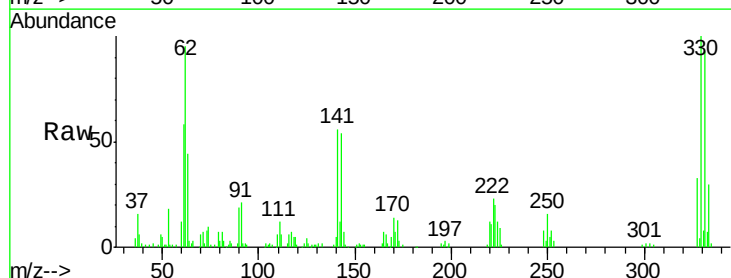


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

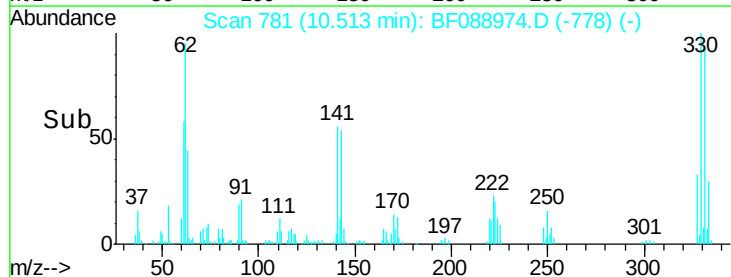
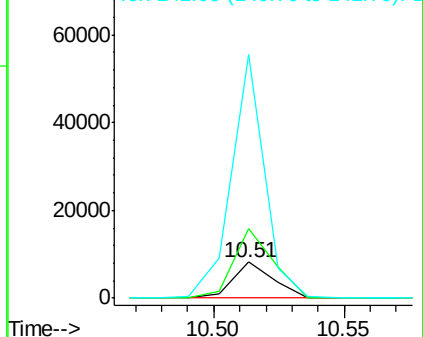


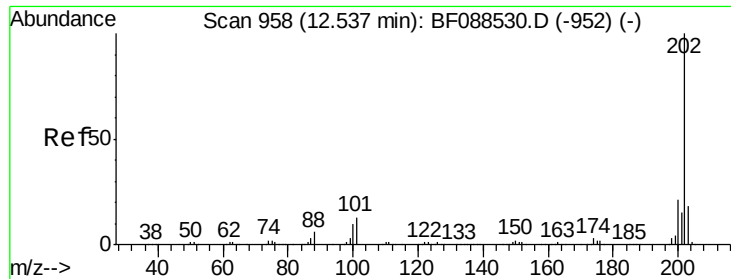
#66
4-Bromophenyl-phenylether
Concen: 5.24 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.26 min
Lab File: BF088974.D
Acq: 13 Jul 2016 23:06

Tgt Ion:248 Resp: 8649
Ion Ratio Lower Upper
248 100
250 193.5 77.1 115.7#
141 680.3 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

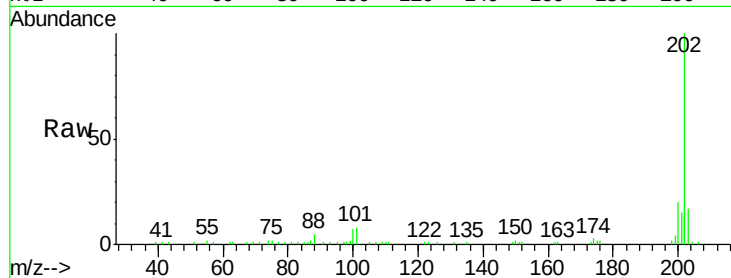




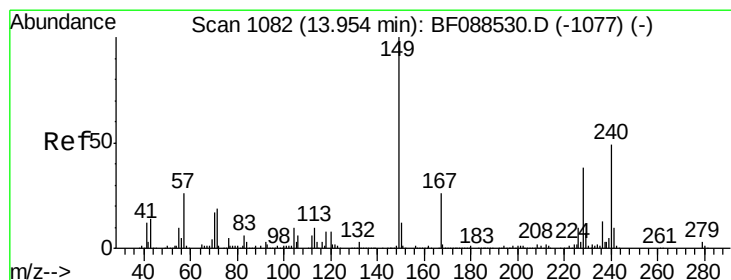
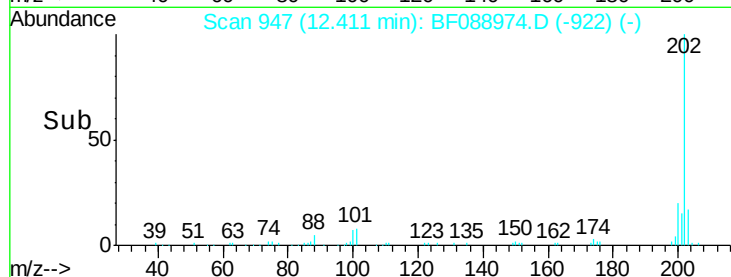
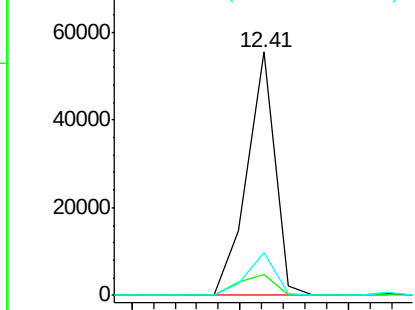
#74
Fluoranthene
Concen: 5.47 ng
RT: 12.41 min Scan# 947
Delta R.T. -0.01 min
Lab File: BF088974.D
Acq: 13 Jul 2016 23:06

Instrument :
BNA_F
ClientSampleId :
M8-B1(0-5)C

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	33.1
203	17.5	0.0	38.1

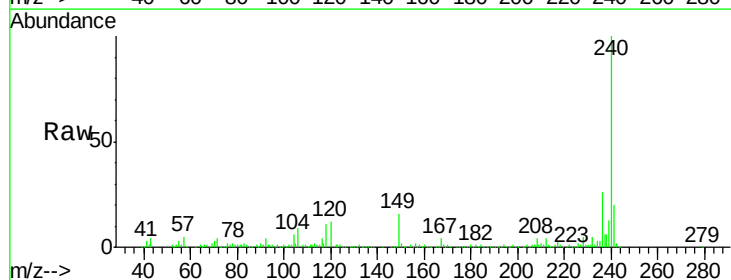


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

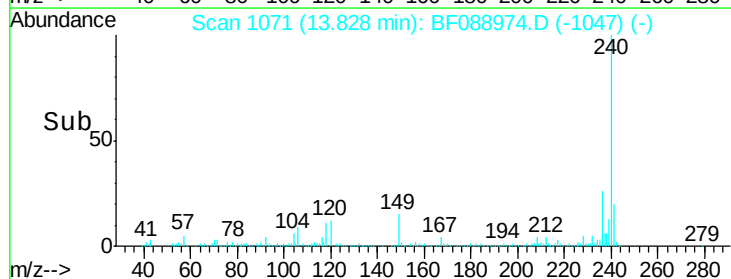
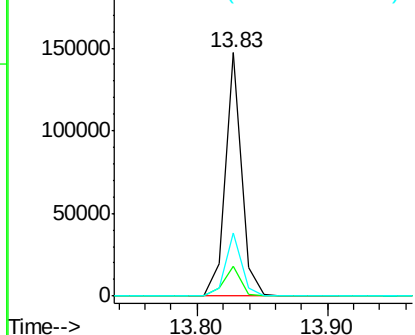


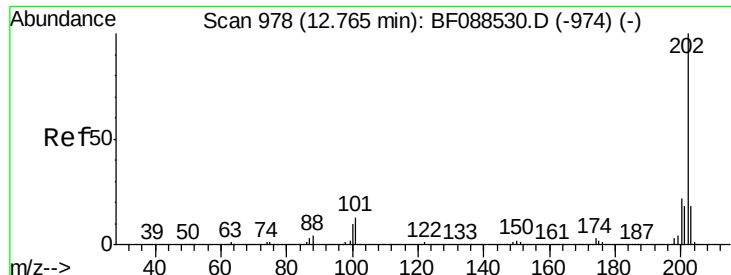
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.02 min
Lab File: BF088974.D
Acq: 13 Jul 2016 23:06

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

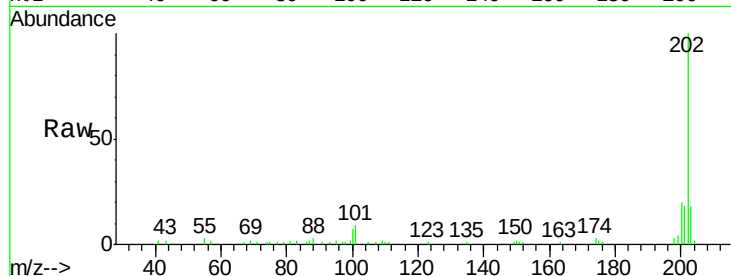




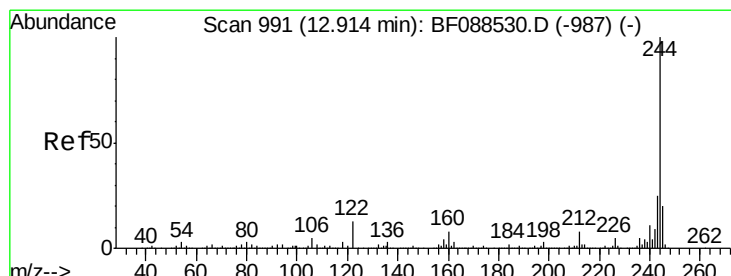
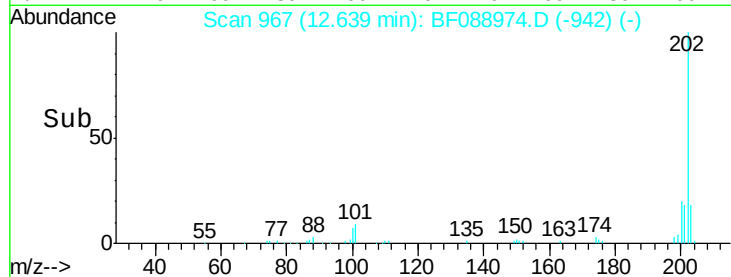
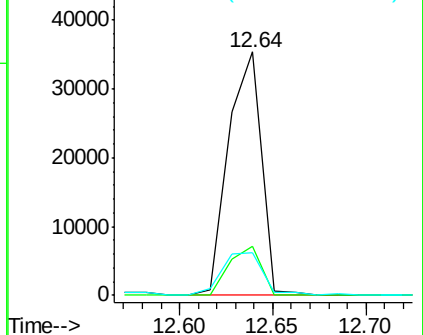
#77
 Pyrene
 Concen: 4.05 ng
 RT: 12.64 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF088974.D
 Acq: 13 Jul 2016 23:06

Instrument :
 BNA_F
 ClientSampleId :
 M8-B1(0-5)C

Tgt Ion: 202 Resp: 43797
 Ion Ratio Lower Upper
 202 100
 200 20.1 17.4 26.2
 203 17.5 14.5 21.7

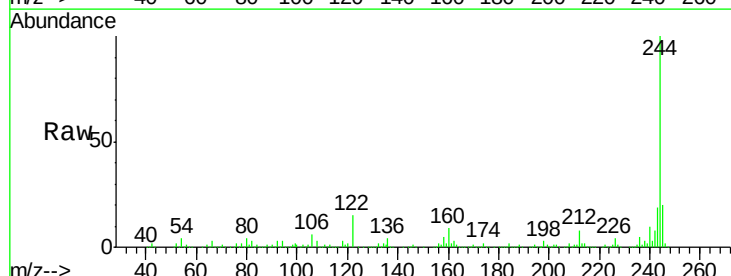


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

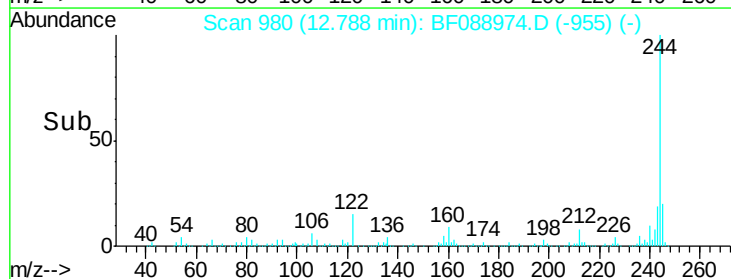
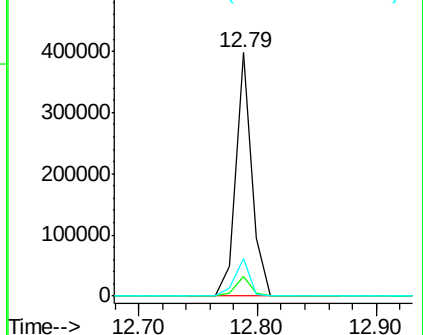


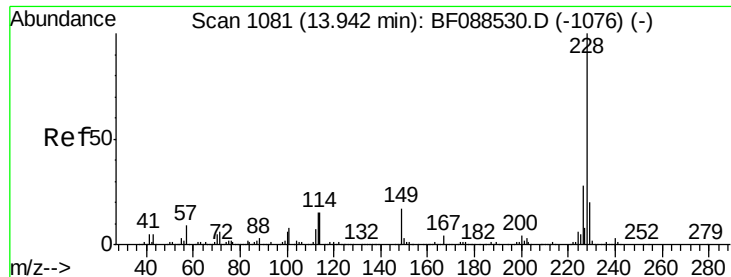
#78
 Terphenyl-d14
 Concen: 65.05 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088974.D
 Acq: 13 Jul 2016 23:06

Tgt Ion: 244 Resp: 372741
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 15.2 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: 3.82 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF088974.D

Acq: 13 Jul 2016 23:06

Instrument :

BNA_F

ClientSampleId :

M8-B1(0-5)C

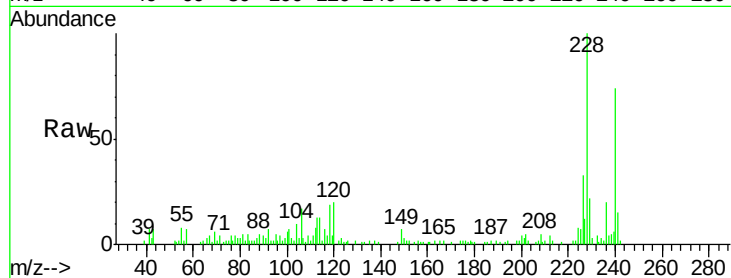
Tgt Ion:228 Resp: 31368

Ion Ratio Lower Upper

228 100

226 33.0 22.3 33.5

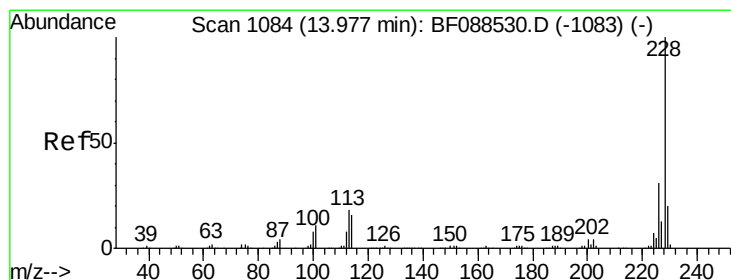
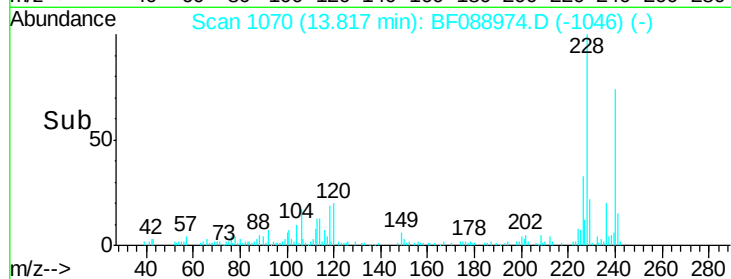
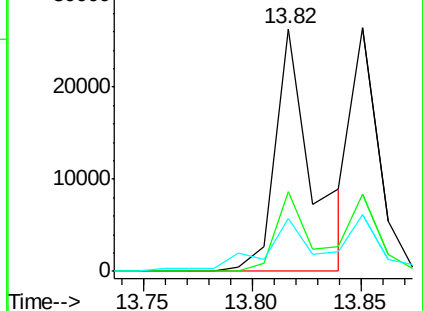
229 21.6 16.0 24.0



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: 3.86 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.06 min

Lab File: BF088974.D

Acq: 13 Jul 2016 23:06

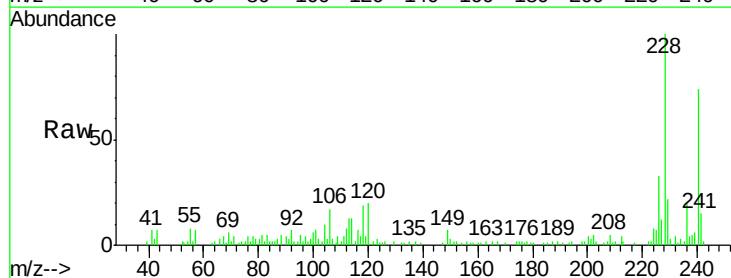
Tgt Ion:228 Resp: 31368

Ion Ratio Lower Upper

228 100

226 33.0 25.4 38.2

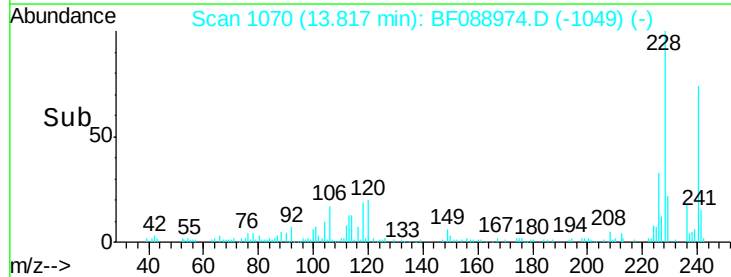
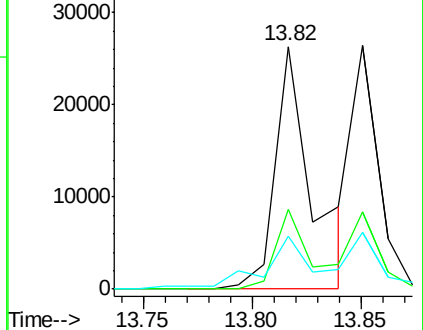
229 21.6 16.3 24.5

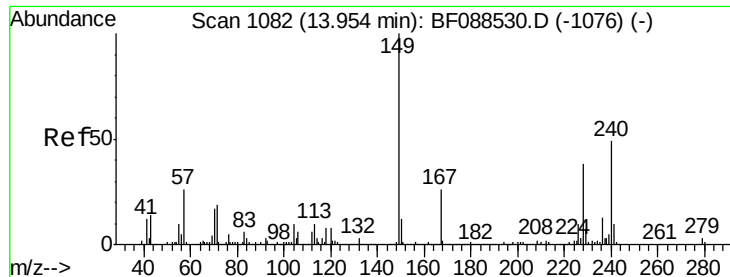


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.14 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088974.D

Acq: 13 Jul 2016 23:06

Instrument :

BNA_F

ClientSampleId :

M8-B1(0-5)C

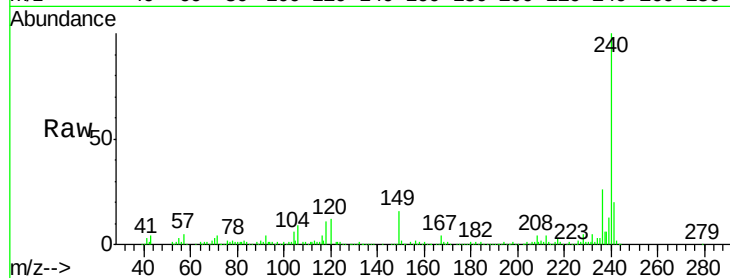
Tgt Ion:149 Resp: 22802

Ion Ratio Lower Upper

149 100

167 25.0 20.5 30.7

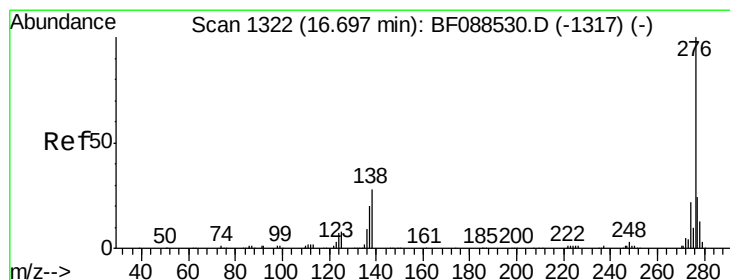
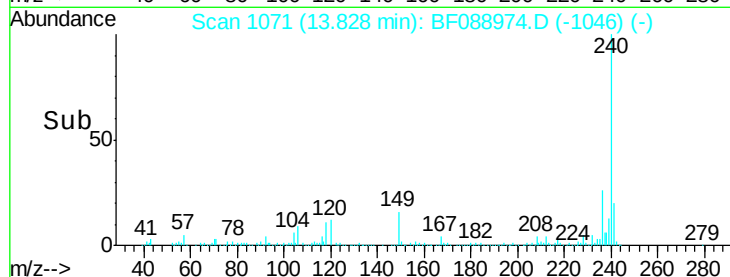
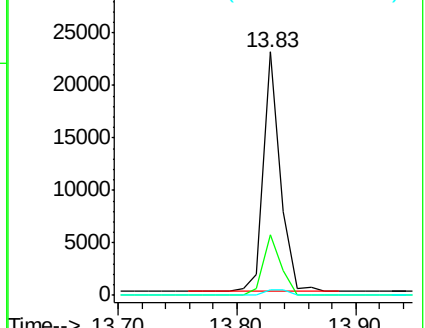
279 2.1 2.0 3.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.63 ng

RT: 16.48 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF088974.D

Acq: 13 Jul 2016 23:06

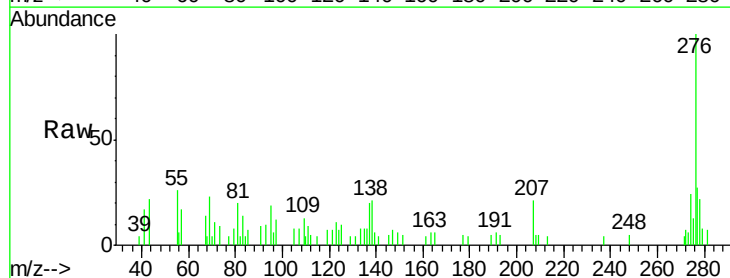
Tgt Ion:276 Resp: 16478

Ion Ratio Lower Upper

276 100

138 26.6 0.0 0.0#

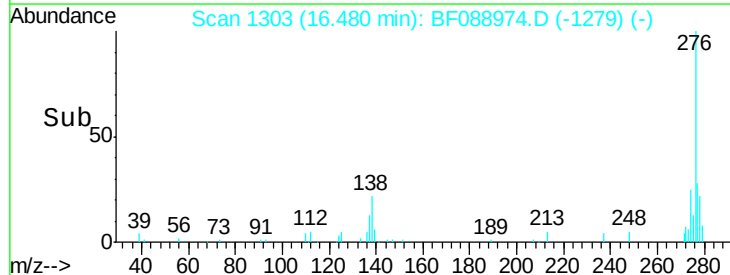
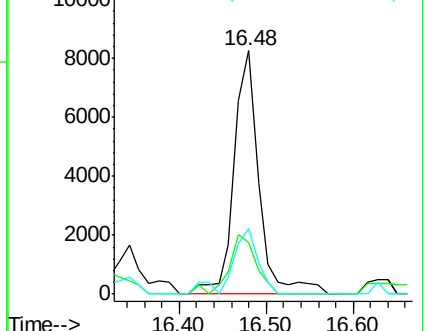
277 28.5 0.0 0.0#

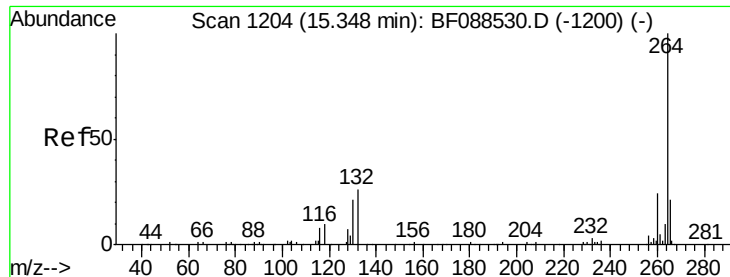


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

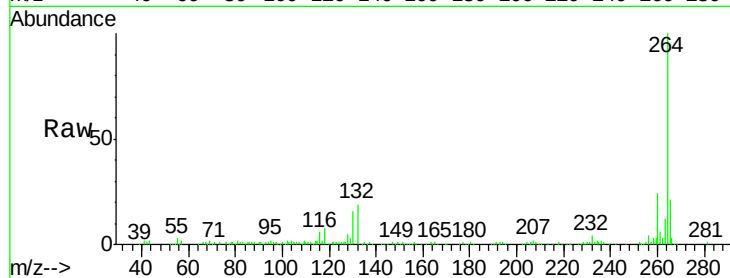




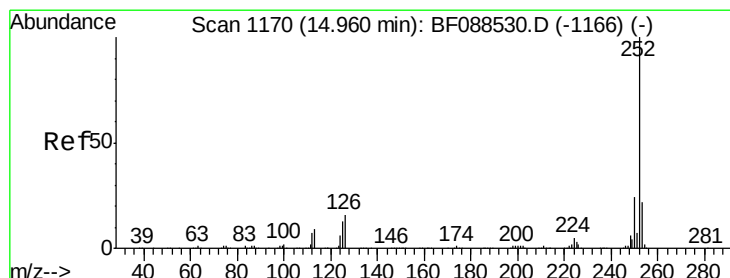
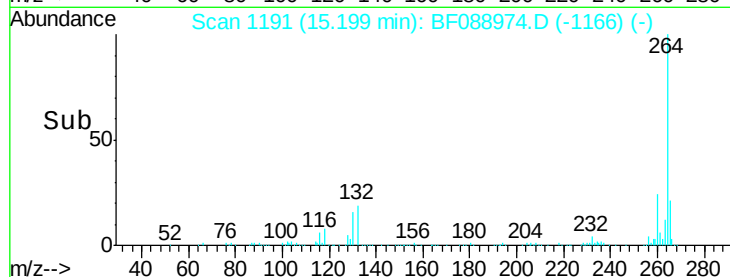
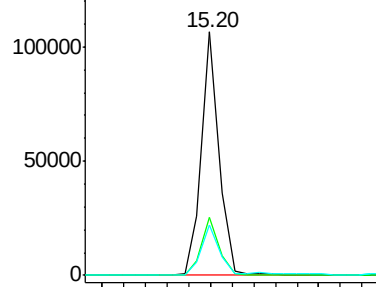
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF088974.D
Acq: 13 Jul 2016 23:06

Instrument :
BNA_F
ClientSampled :
M8-B1(0-5)C

Tgt Ion: 264 Resp: 119189
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 20.8 16.9 25.3

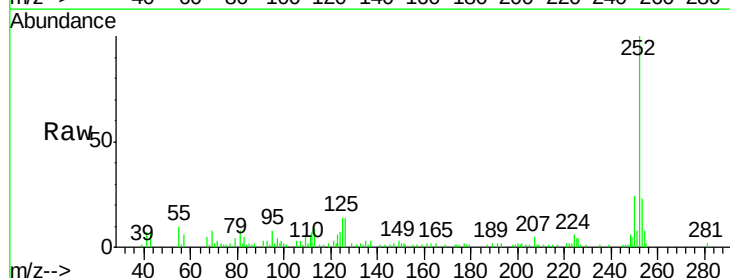


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

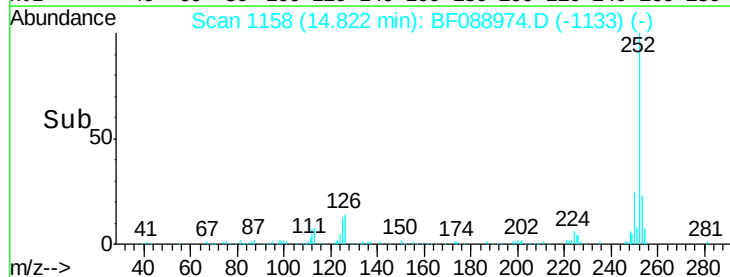
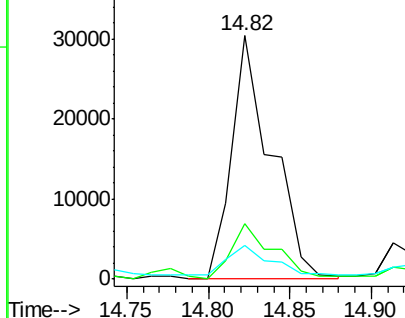


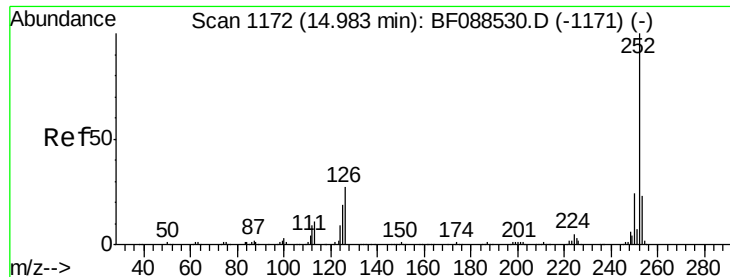
#87
Benzo(b)fluoranthene
Concen: 6.83 ng
RT: 14.82 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF088974.D
Acq: 13 Jul 2016 23:06

Tgt Ion: 252 Resp: 51052
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 13.9 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

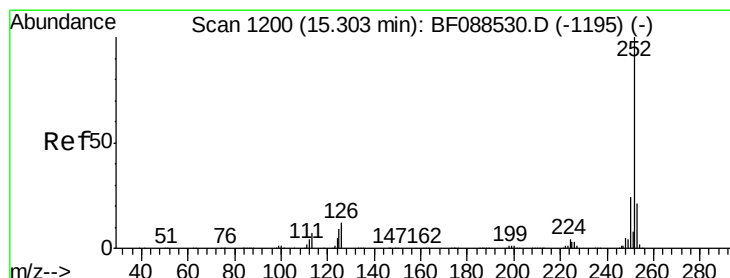
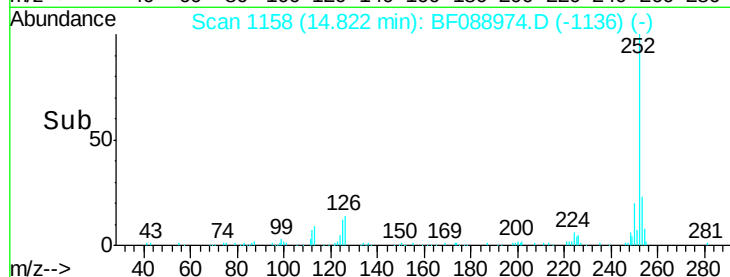
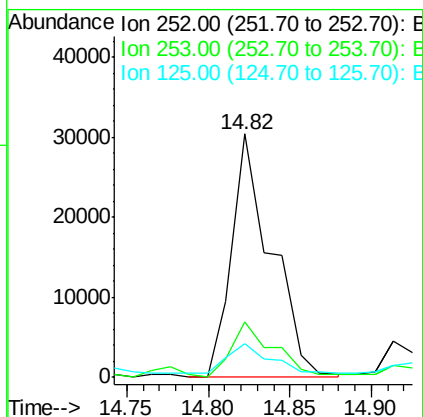
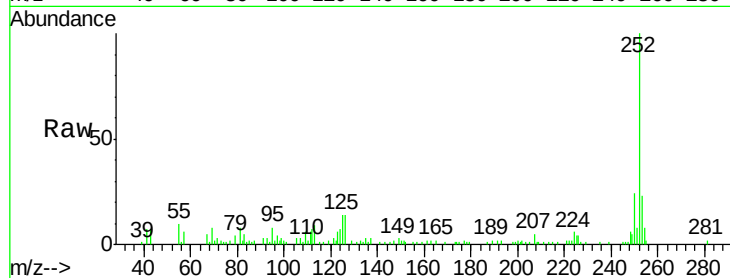




#88
Benzo(k)fluoranthene
Concen: 7.84 ng
RT: 14.82 min Scan# 1158
Delta R.T. -0.05 min
Lab File: BF088974.D
Acq: 13 Jul 2016 23:06

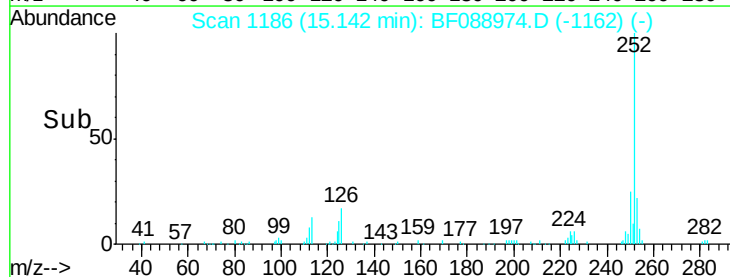
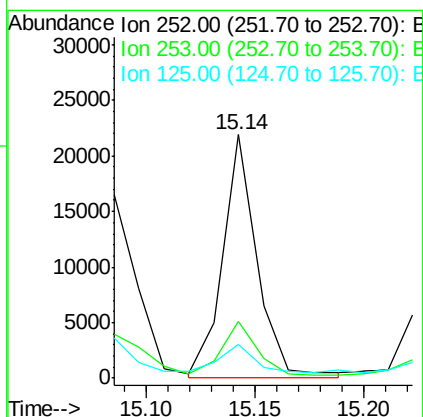
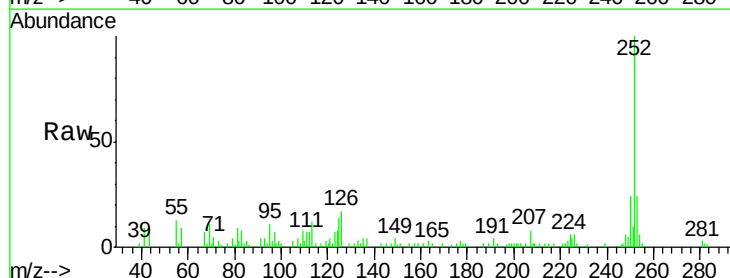
Instrument :
BNA_F
ClientSampleId :
M8-B1(0-5)C

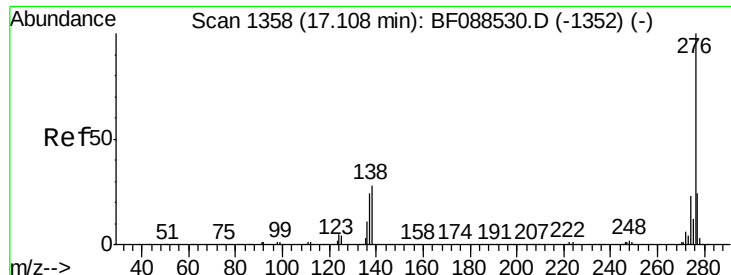
Tgt Ion:252 Resp: 51052
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 13.9 11.2 16.8



#89
Benzo(a)pyrene
Concen: 3.79 ng
RT: 15.14 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF088974.D
Acq: 13 Jul 2016 23:06

Tgt Ion:252 Resp: 24009
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 14.0 12.5 18.7





#91

Benzo(g,h,i)perylene

Concen: 2.86 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.03 min

Lab File: BF088974.D

Acq: 13 Jul 2016 23:06

Instrument :

BNA_F

ClientSampleId :

M8-B1(0-5)C

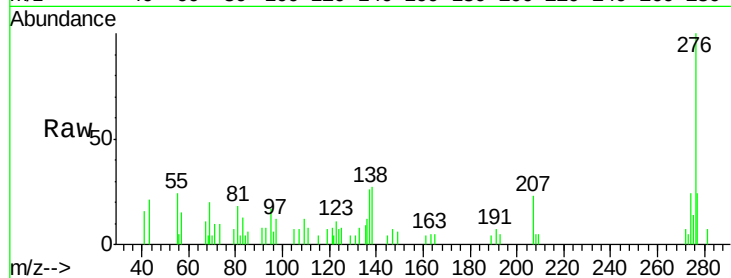
Tgt Ion: 276 Resp: 15670

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 27.0 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

