

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020116\
 Data File : BF084734.D
 Acq On : 2 Feb 2016 2:50
 Operator : SJ/IZ
 Sample : H1294-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP006

Quant Time: Feb 02 03:38:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	524424	20.00	ng	0.14
21) Naphthalene-d8	8.00	136	679423	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	314225	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	565352	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	435493	20.00	ng	-0.01
86) Perylene-d12	15.24	264	316198	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	1202000	35.70	ng	0.00
7) Phenol-d6	6.36	99	1450063	34.74	ng	-0.01
23) Nitrobenzene-d5	7.28	82	880929	73.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	400684	122.25	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	1737977	98.30	ng	-0.01
78) Terphenyl-d14	12.82	244	1596301	83.06	ng	-0.01

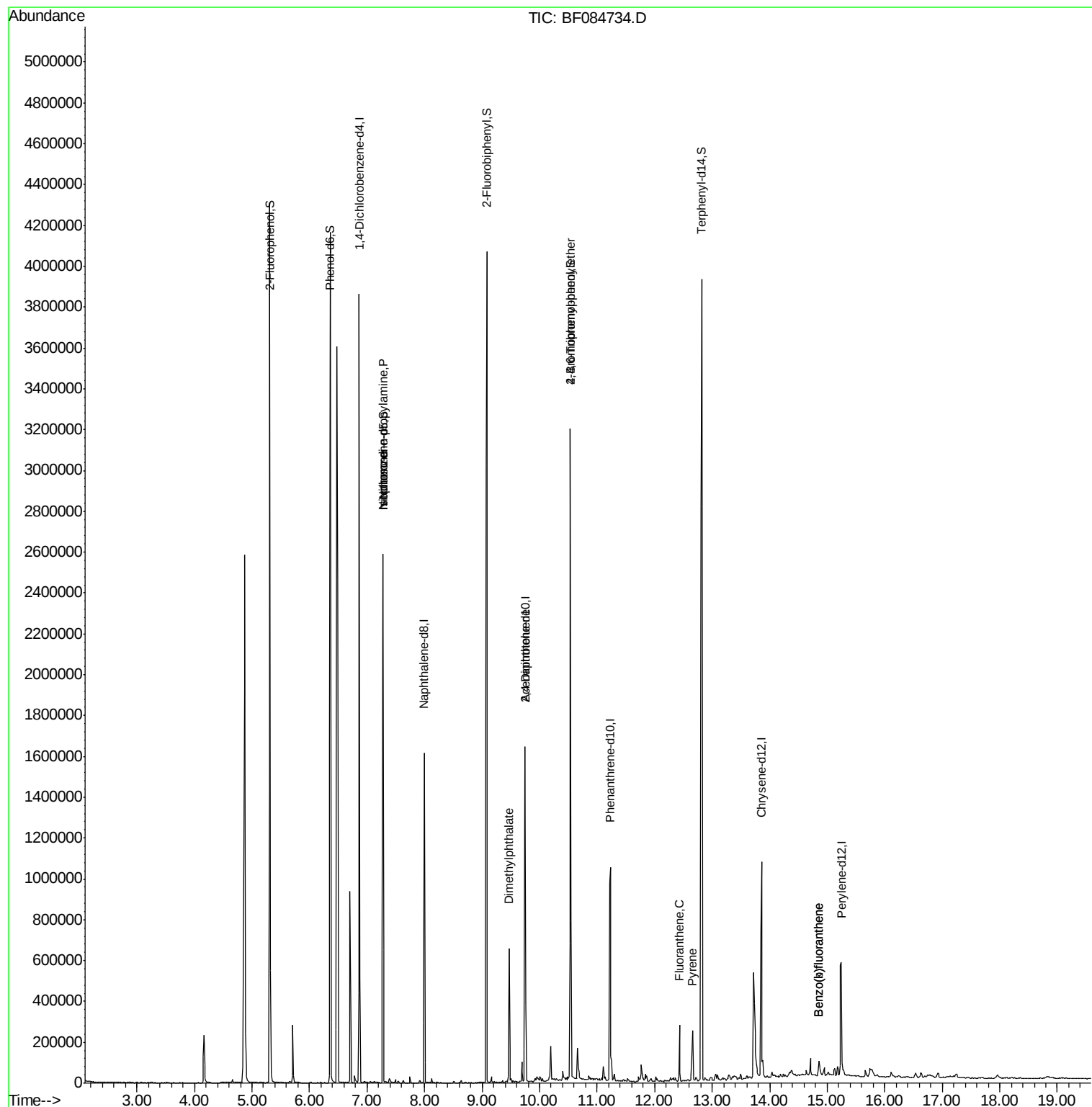
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	120836	4.62	ng	# 71
25) Isophorone	7.28	82	745640	31.79	ng	# 66
49) Dimethylphthalate	9.47	163	248404	10.38	ng	# 90
56) 2,4-Dinitrotoluene	9.74	165	40608	6.09	ng	# 21
66) 4-Bromophenyl-phenylether	10.53	248	23015	3.69	ng	# 1
74) Fluoranthene	12.43	202	103827	3.27	ng	97
77) Pyrene	12.66	202	98167	2.94	ng	98
87) Benzo(b)fluoranthene	14.85	252	46370	2.18	ng	# 95
88) Benzo(k)fluoranthene	14.85	252	46370	2.64	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: 6.86 min Scan# 418

Delta R.T. 0.14 min

Lab File: BF084734.D

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Instrument :

BNA_F

ClientSampleId :

EP006

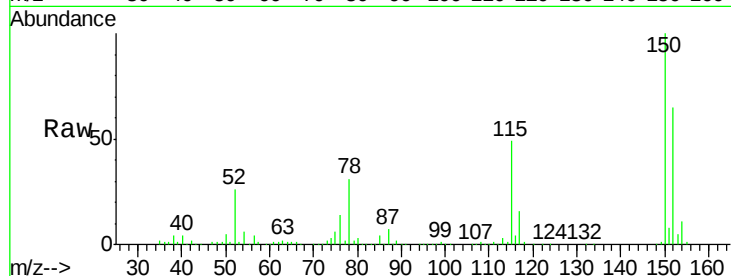
Tgt Ion:152 Resp: 524424

Ion Ratio Lower Upper

152 100

150 154.6 123.0 184.4

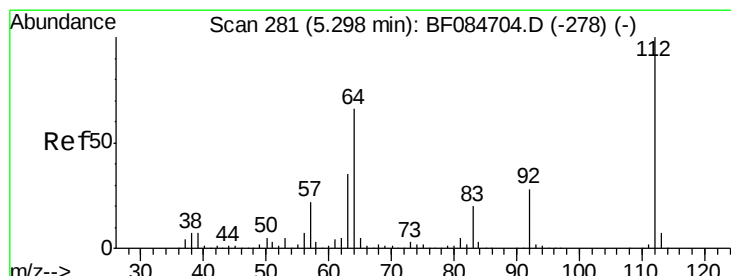
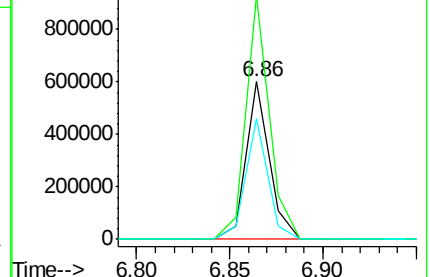
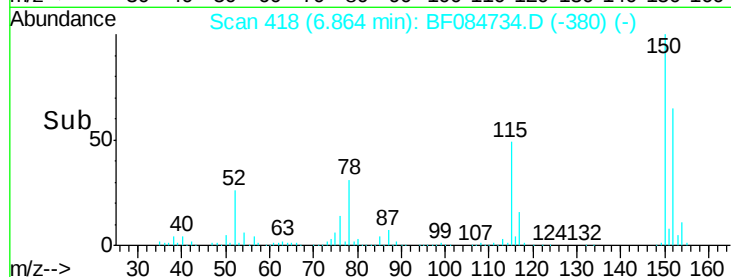
115 76.3 51.4 77.2



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: 35.70 ng

RT: 5.31 min Scan# 282

Delta R.T. 0.00 min

Lab File: BF084734.D

Acq: 2 Feb 2016 2:50

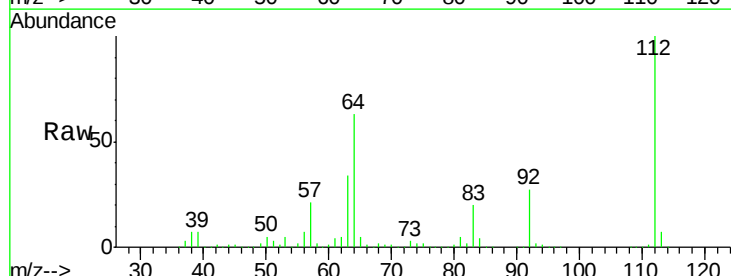
Tgt Ion:112 Resp: 1202000

Ion Ratio Lower Upper

112 100

64 63.4 36.6 55.0#

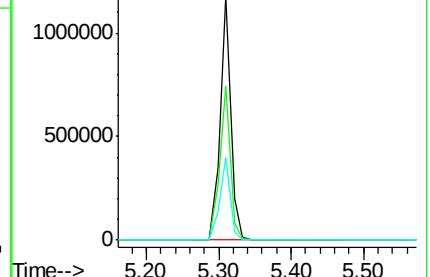
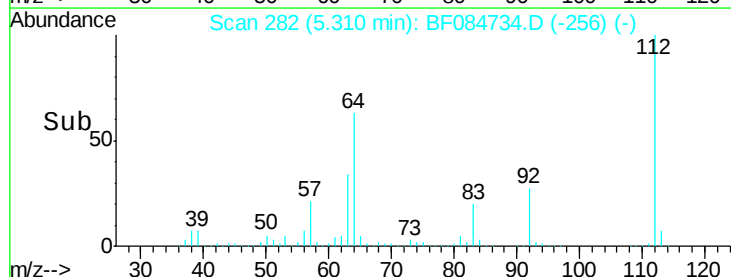
63 33.7 19.4 29.0#



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: 34.74 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084734.D

Acq: 2 Feb 2016 2:50

Instrument :

BNA_F

ClientSampleId :

EP006

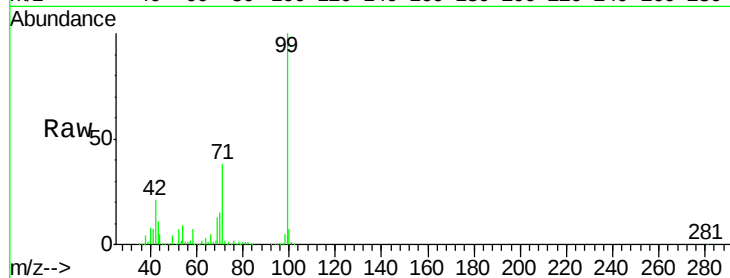
Tgt Ion: 99 Resp: 1450063

Ion Ratio Lower Upper

99 100

42 20.7 12.8 19.2#

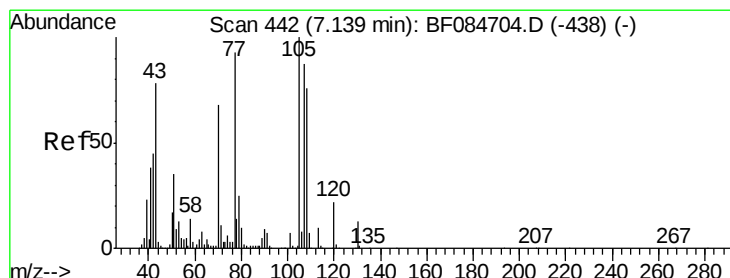
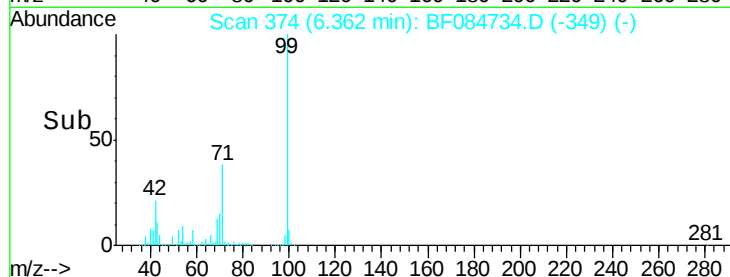
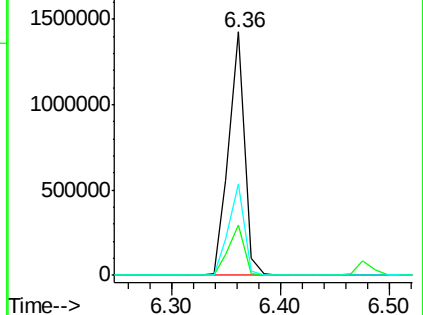
71 37.5 30.9 46.3



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: 4.62 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF084734.D

Acq: 2 Feb 2016 2:50

Tgt Ion: 70 Resp: 120836

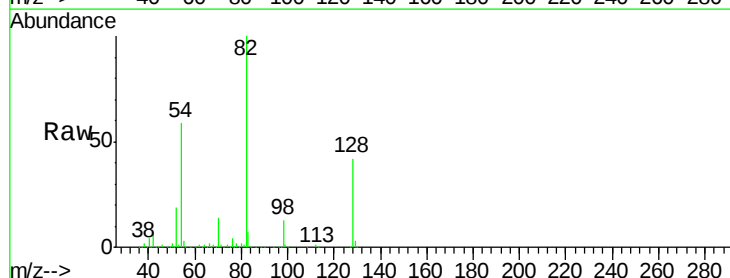
Ion Ratio Lower Upper

70 100

42 49.9 33.3 49.9

101 0.0 9.3 13.9#

130 1.9 23.4 35.0#

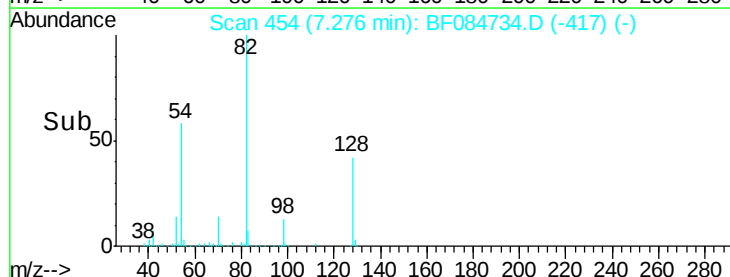
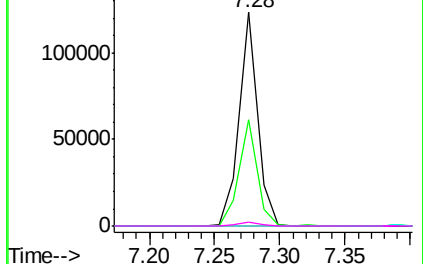


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

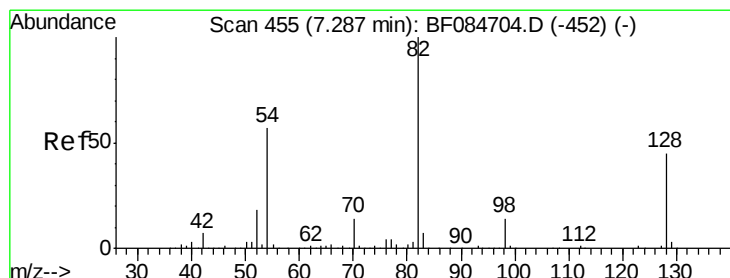
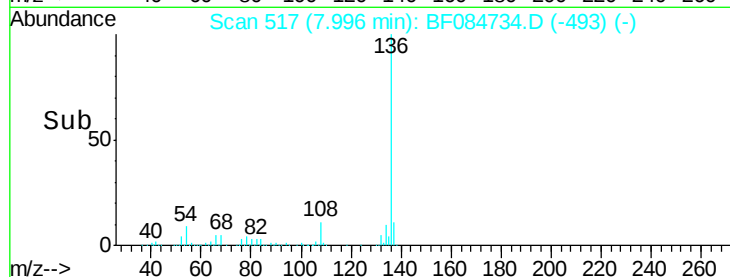
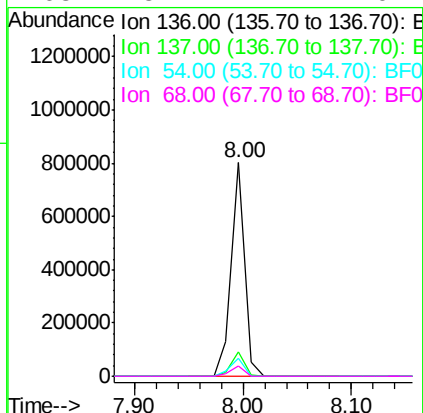
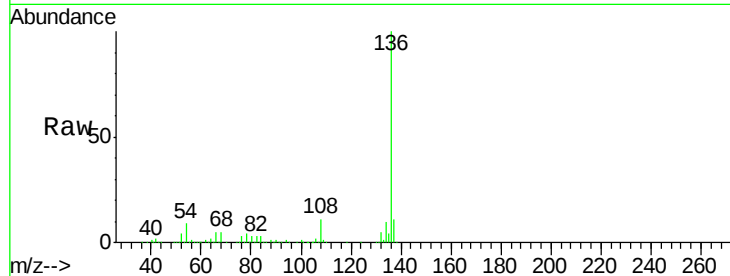




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.02 min
Lab File: BF084734.D
Acq: 2 Feb 2016 2:50

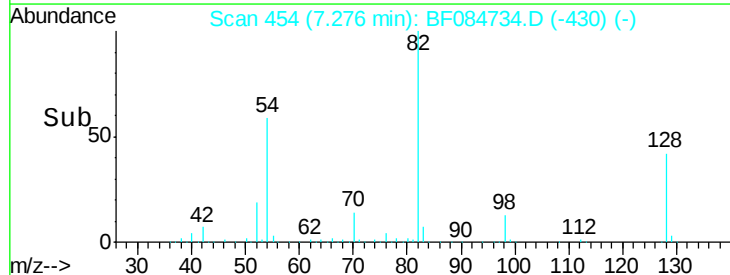
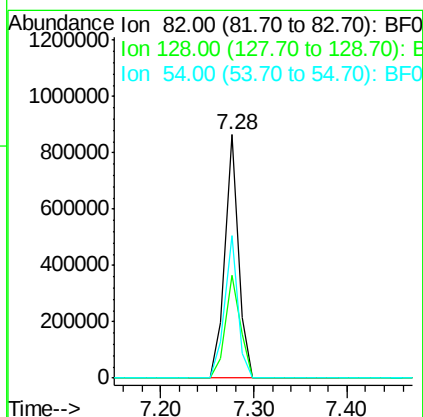
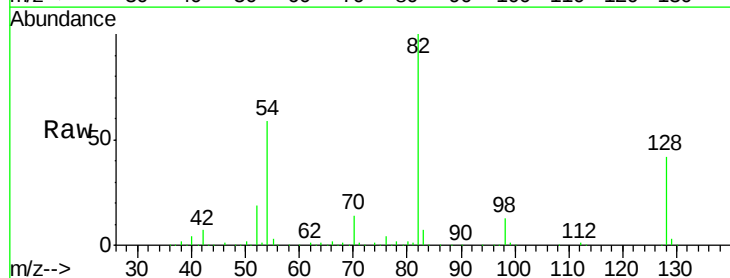
Instrument :
BNA_F
ClientSampleId :
EP006

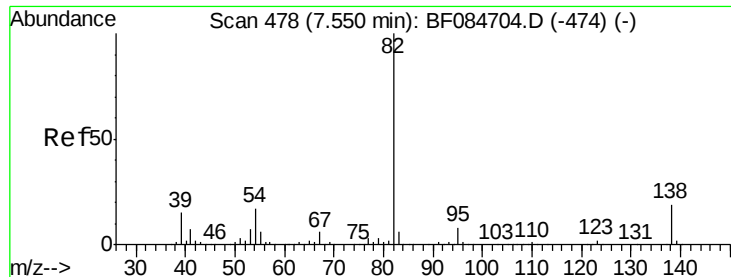
Tgt Ion:	136	Resp:	679423
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	8.5	5.8	8.8
68	5.1	4.2	6.2



#23
Nitrobenzene-d5
Concen: 73.04 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.02 min
Lab File: BF084734.D
Acq: 2 Feb 2016 2:50

Tgt Ion:	82	Resp:	880929
Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.6	51.8
54	58.7	38.4	57.6





#25

Isophorone

Concen: 31.79 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.29 min

Lab File: BF084734.D

Acq: 2 Feb 2016 2:50

Instrument :

BNA_F

ClientSampleId :

EP006

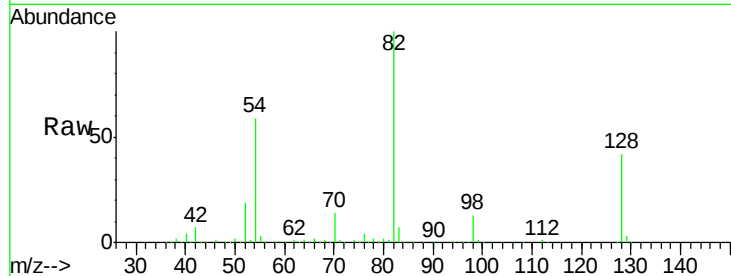
Tgt Ion: 82 Resp: 745640

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

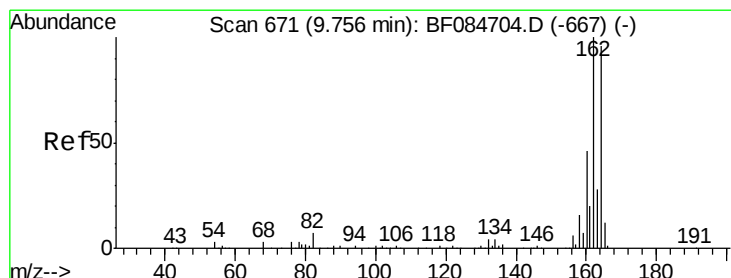
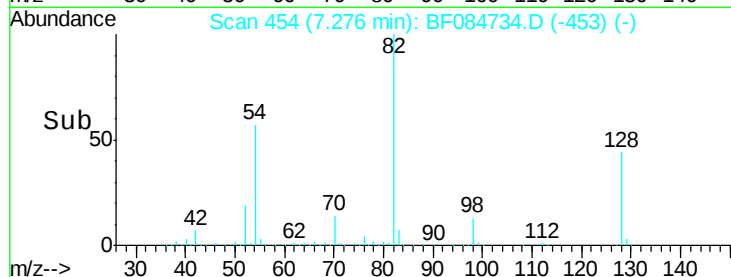
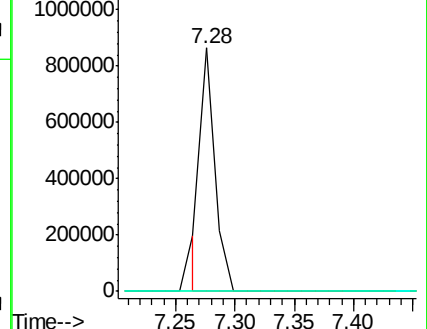
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF084734.D

Acq: 2 Feb 2016 2:50

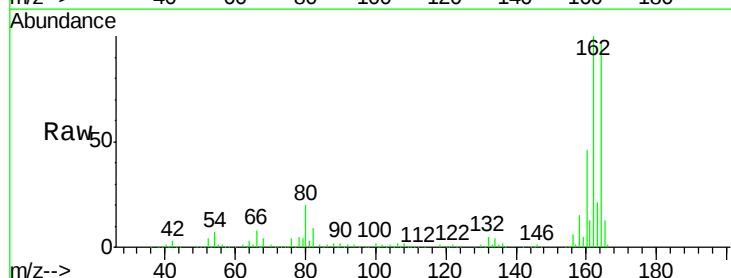
Tgt Ion: 164 Resp: 314225

Ion Ratio Lower Upper

164 100

162 103.3 85.1 127.7

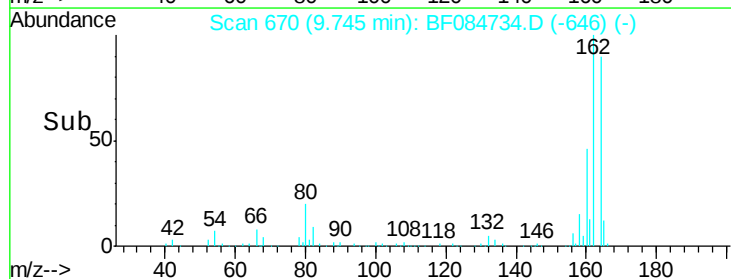
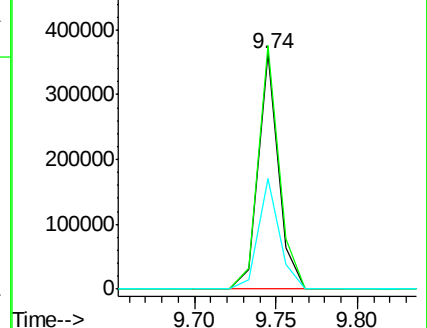
160 47.1 37.5 56.3

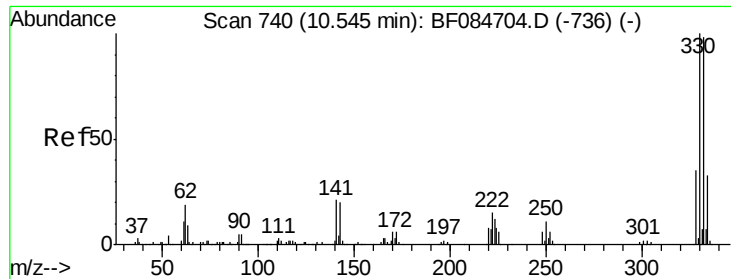


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

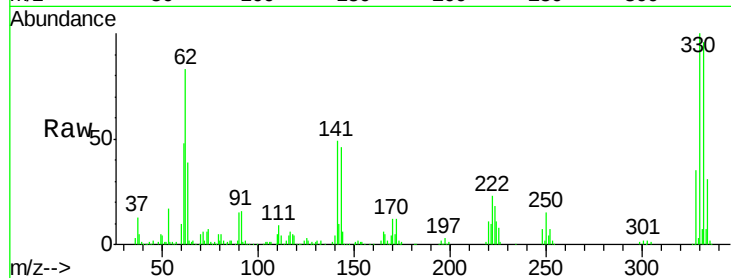




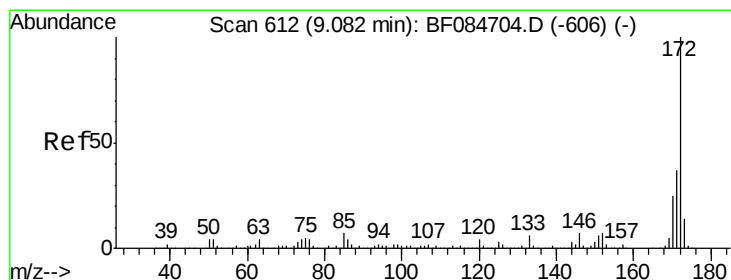
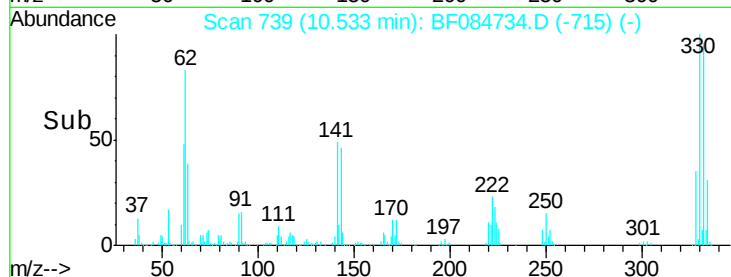
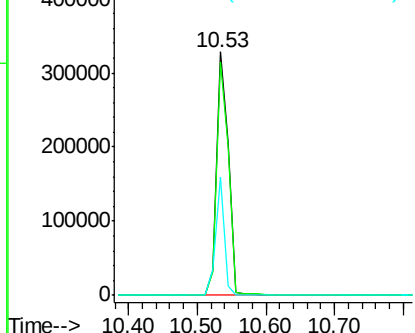
#41
 2,4,6-Tribromophenol
 Concen: 122.25 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084734.D
 Acq: 2 Feb 2016 2:50

Instrument :
 BNA_F
 ClientSampled :
 EP006

Tgt Ion:330 Resp: 400684
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 36.5 27.8 41.6

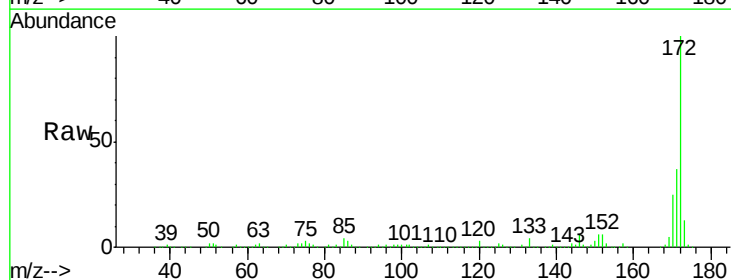


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

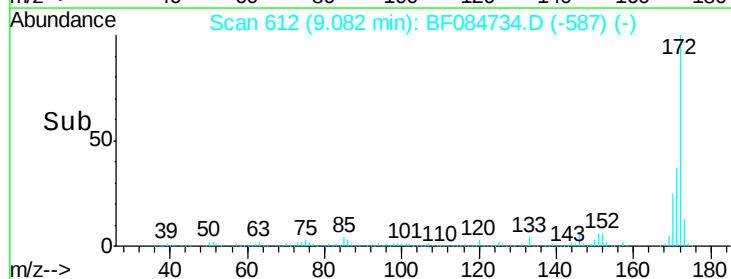
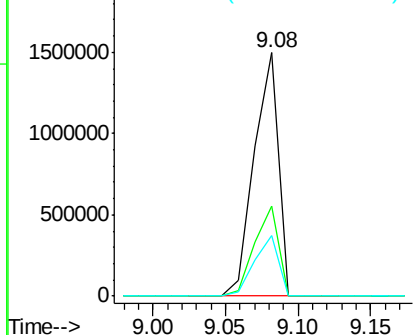


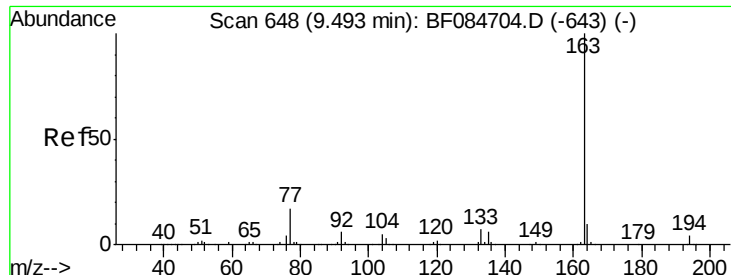
#44
 2-Fluorobiphenyl
 Concen: 98.30 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF084734.D
 Acq: 2 Feb 2016 2:50

Tgt Ion:172 Resp: 1737977
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.9 43.3
 170 24.8 18.6 27.8



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

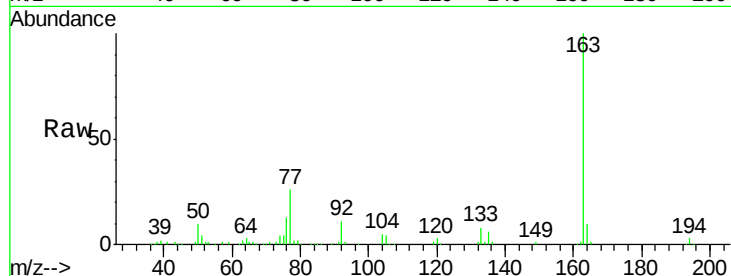




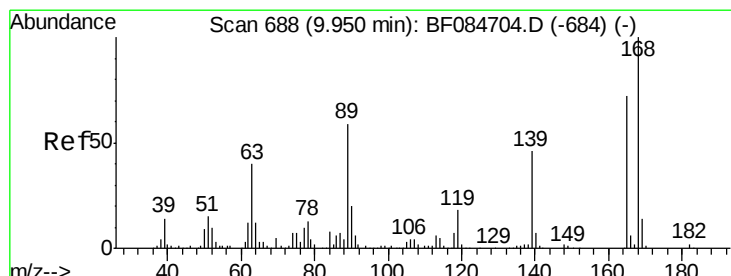
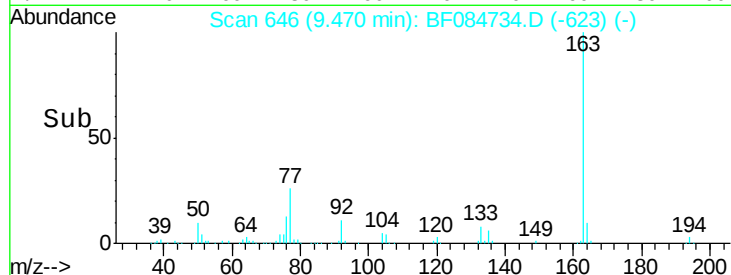
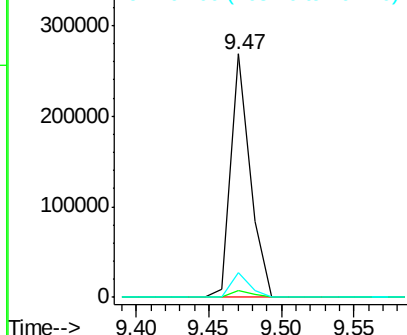
#49
Dimethylphthalate
Concen: 10.38 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF084734.D
Acq: 2 Feb 2016 2:50

Instrument :
BNA_F
ClientSampleId :
EP006

Tgt Ion:163 Resp: 248404
Ion Ratio Lower Upper
163 100
194 2.8 8.0 12.0#
164 10.0 8.0 12.0

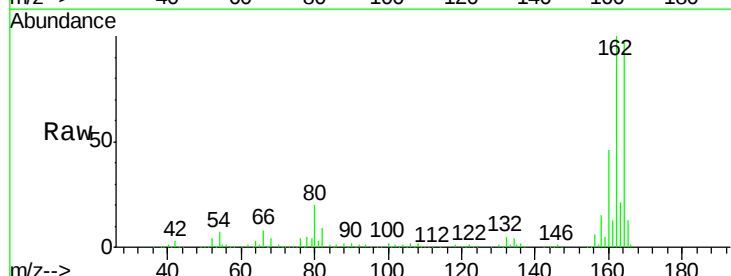


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

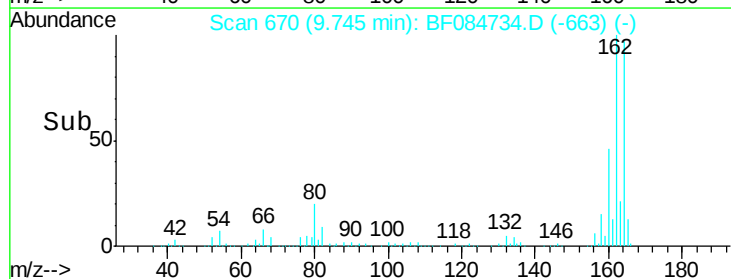
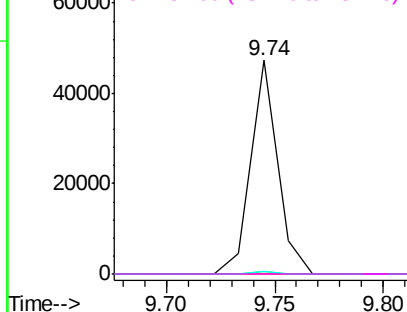


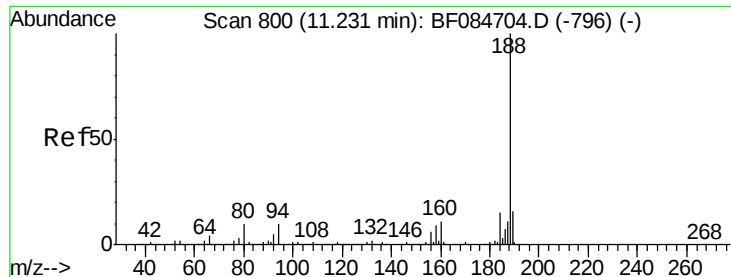
#56
2,4-Dinitrotoluene
Concen: 6.09 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.22 min
Lab File: BF084734.D
Acq: 2 Feb 2016 2:50

Tgt Ion:165 Resp: 40608
Ion Ratio Lower Upper
165 100
63 1.1 36.7 55.1#
89 1.5 61.9 92.9#
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: 11.23 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF084734.D

Acq: 2 Feb 2016 2:50

Instrument :

BNA_F

ClientSampleId :

EP006

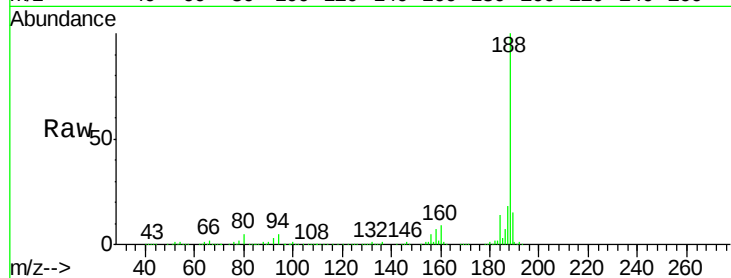
Tgt Ion:188 Resp: 565352

Ion Ratio Lower Upper

188 100

94 5.4 9.0 13.4#

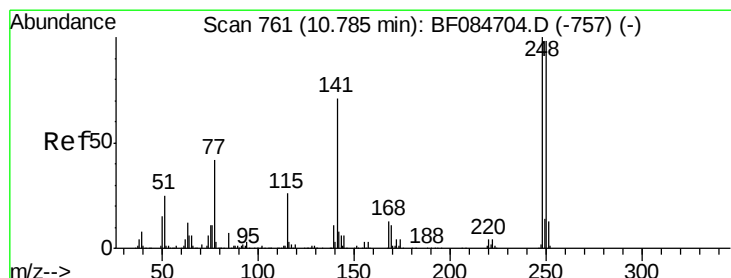
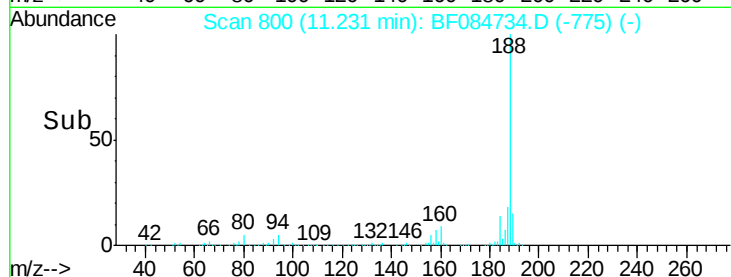
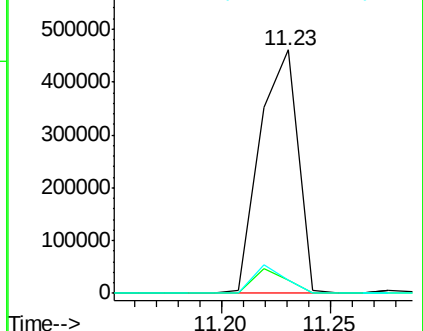
80 5.2 9.6 14.4#



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: 3.69 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.26 min

Lab File: BF084734.D

Acq: 2 Feb 2016 2:50

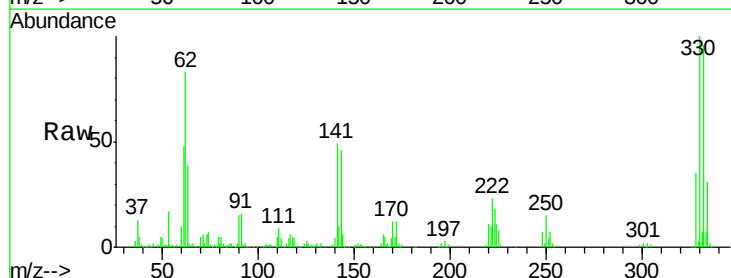
Tgt Ion:248 Resp: 23015

Ion Ratio Lower Upper

248 100

250 206.9 78.4 117.6#

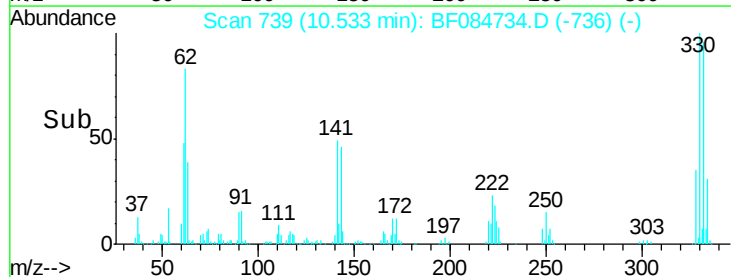
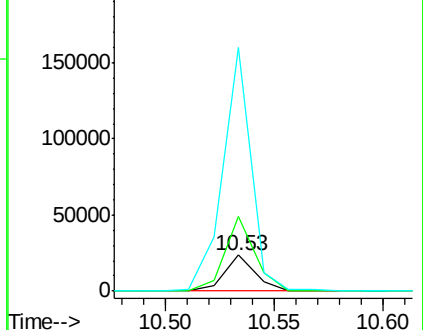
141 675.0 44.0 66.0#

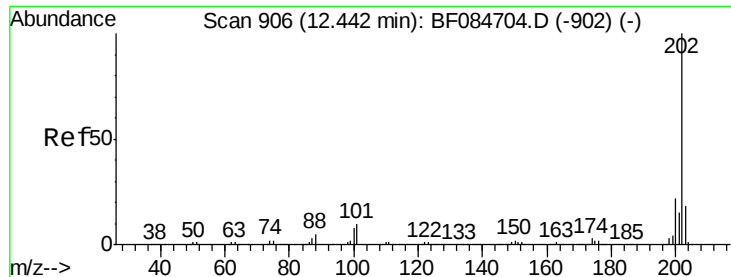


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.27 ng

RT: 12.43 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF084734.D

Acq: 2 Feb 2016 2:50

Instrument :

BNA_F

ClientSampleId :

EP006

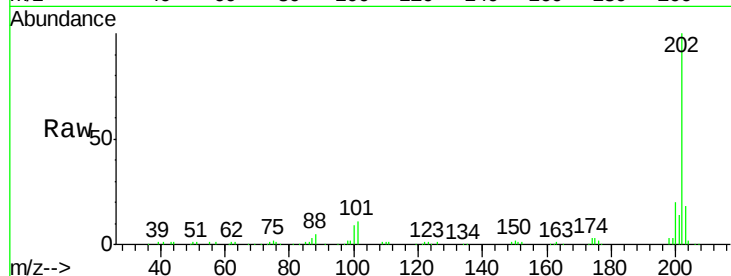
Tgt Ion: 202 Resp: 103827

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.8

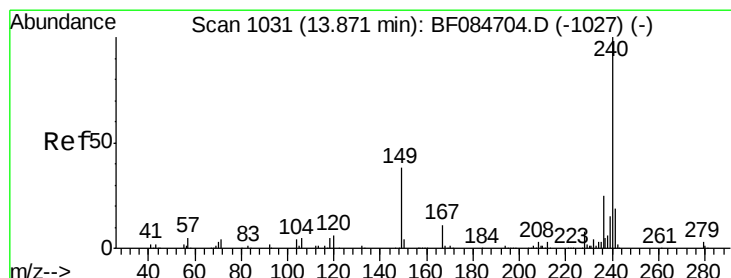
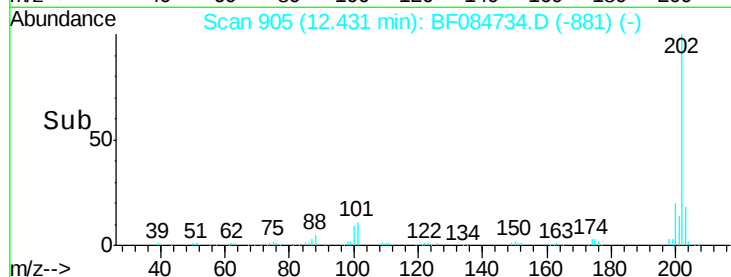
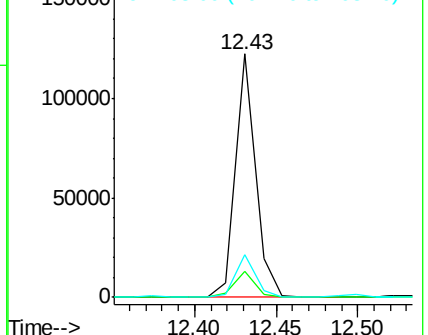
203 17.6 0.0 37.9



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: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084734.D

Acq: 2 Feb 2016 2:50

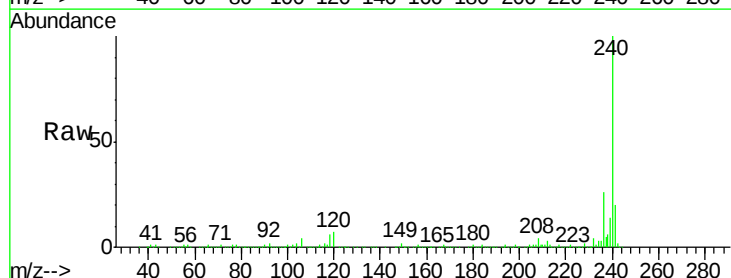
Tgt Ion: 240 Resp: 435493

Ion Ratio Lower Upper

240 100

120 7.1 9.5 14.3#

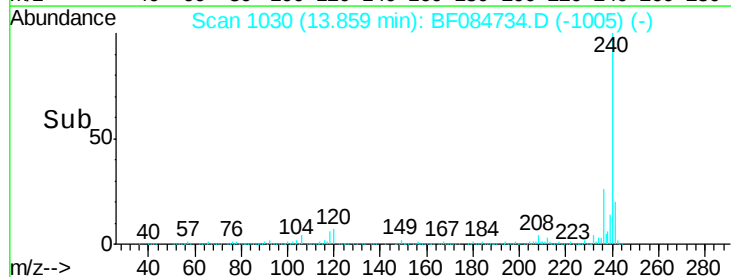
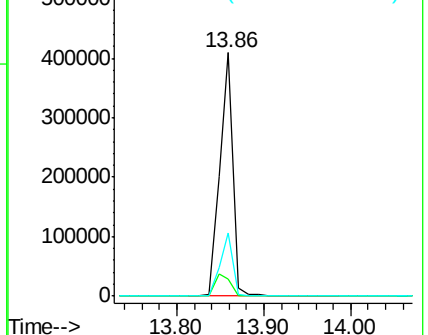
236 25.8 20.6 31.0

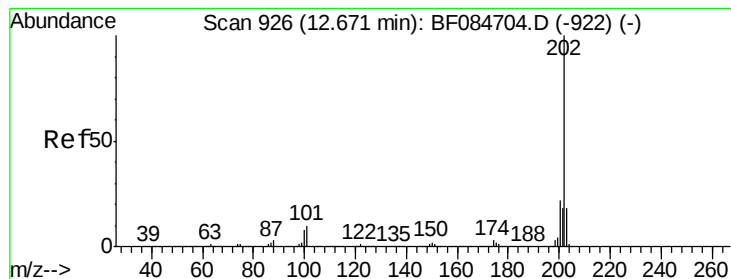


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.94 ng

RT: 12.66 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF084734.D

Acq: 2 Feb 2016 2:50

Instrument :

BNA_F

ClientSampleId :

EP006

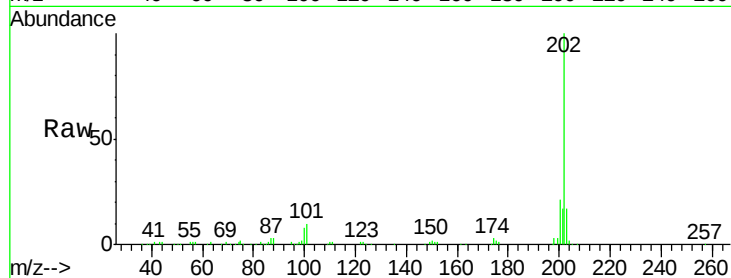
Tgt Ion:202 Resp: 98167

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

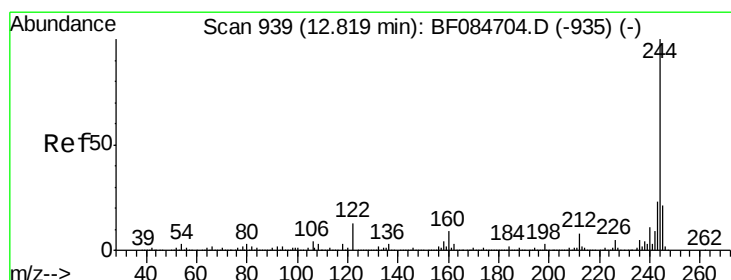
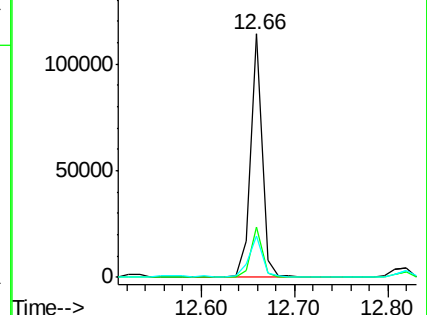
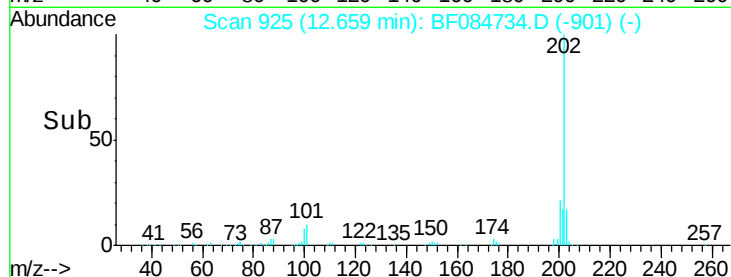
203 17.0 14.3 21.5



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: 83.06 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF084734.D

Acq: 2 Feb 2016 2:50

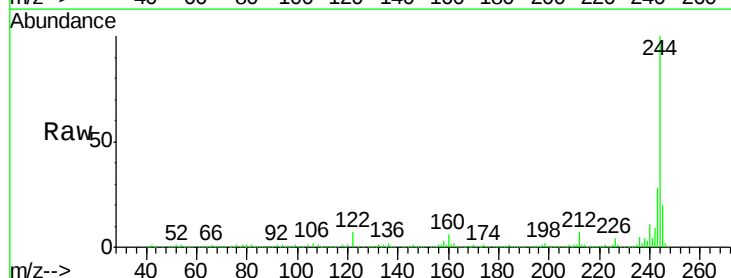
Tgt Ion:244 Resp: 1596301

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

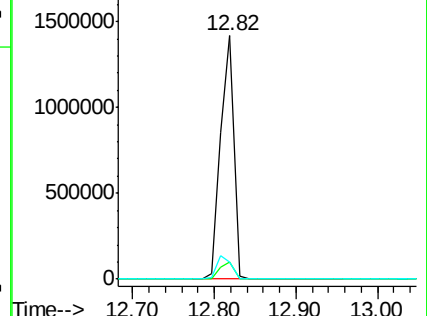
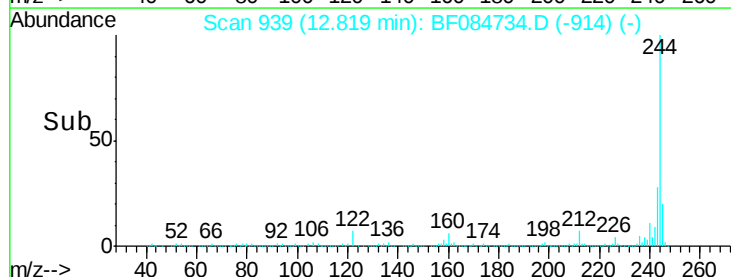
122 7.1 7.4 11.0#

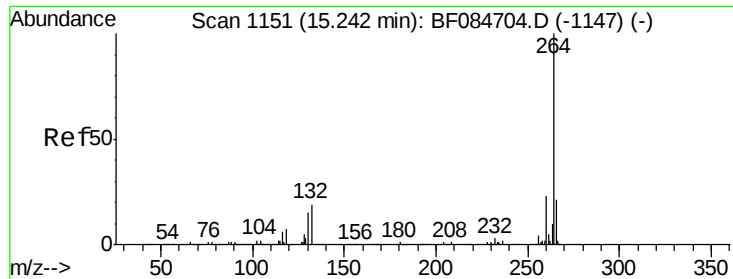


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

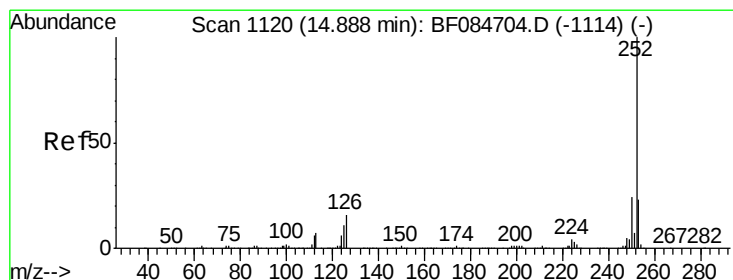
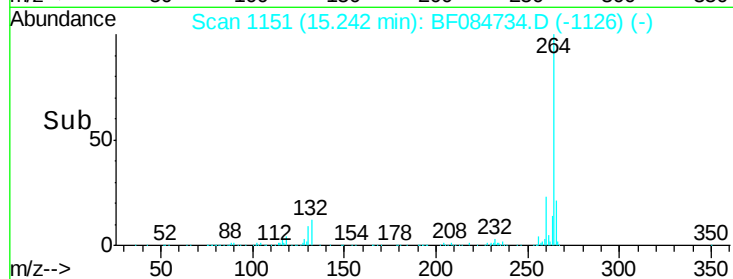
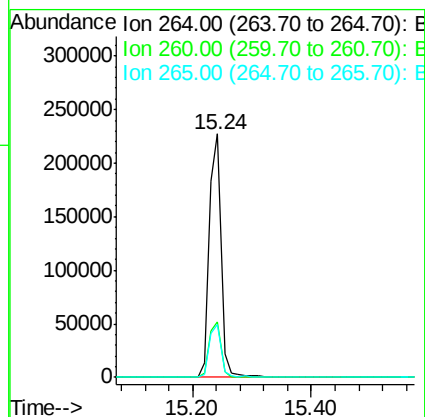
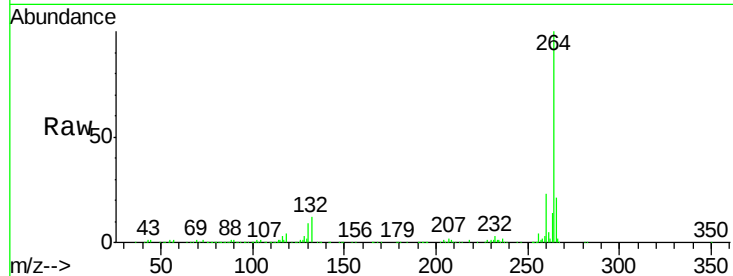




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF084734.D
Acq: 2 Feb 2016 2:50

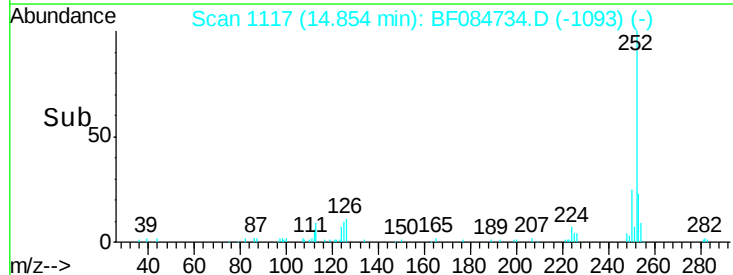
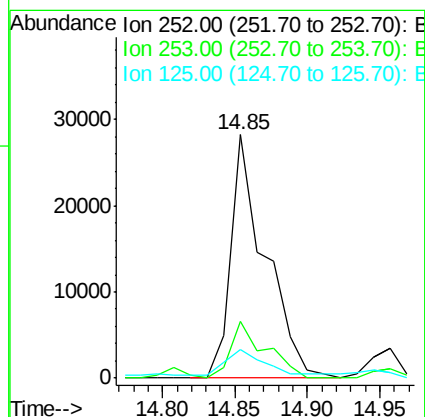
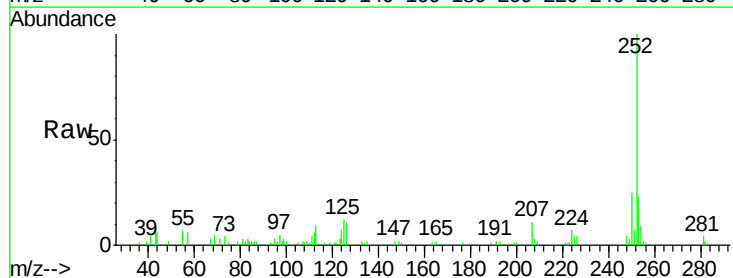
Instrument :
BNA_F
ClientSampleId :
EP006

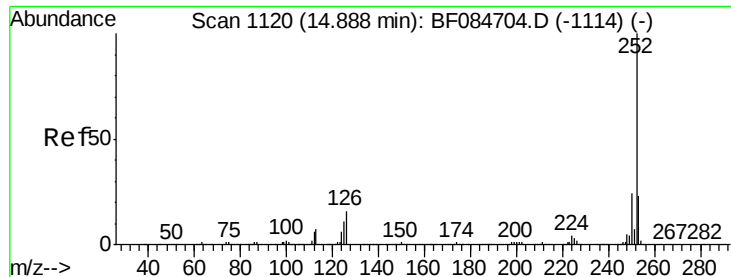
Tgt Ion:264 Resp: 316198
Ion Ratio Lower Upper
264 100
260 22.6 19.4 29.2
265 21.5 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 2.18 ng
RT: 14.85 min Scan# 1117
Delta R.T. -0.02 min
Lab File: BF084734.D
Acq: 2 Feb 2016 2:50

Tgt Ion:252 Resp: 46370
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 11.6 6.5 9.7#





#88

Benzo(k)fluoranthene

Concen: 2.64 ng

RT: 14.85 min Scan# 1117

Delta R.T. -0.05 min

Lab File: BF084734.D

Acq: 2 Feb 2016 2:50

Instrument :

BNA_F

ClientSampleId :

EP006

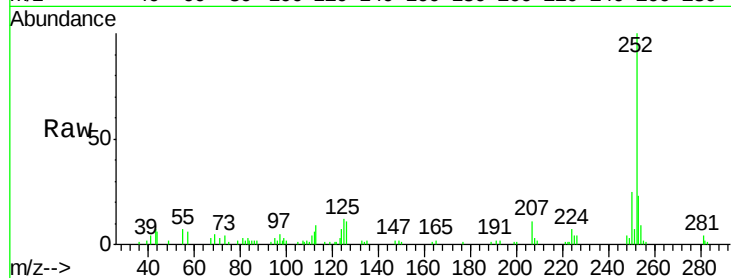
Tgt Ion: 252 Resp: 46370

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

125 11.6 9.0 13.6



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

