

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
 Data File : BF086111.D
 Acq On : 6 Apr 2016 21:29
 Operator : UM/SJ
 Sample : H2074-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB01B

Quant Time: Apr 07 01:13:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

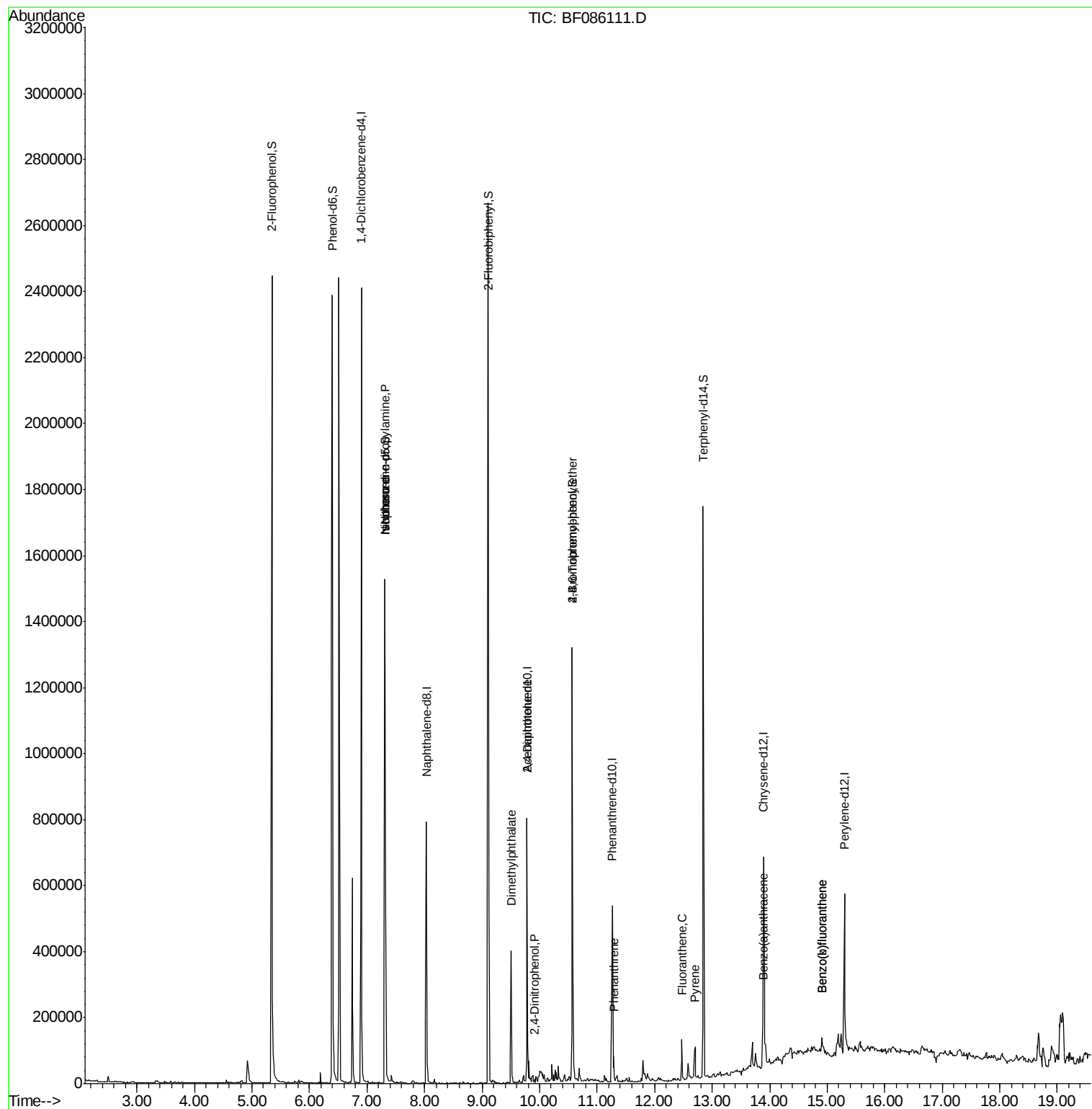
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	362727	20.00	ng	0.13
21) Naphthalene-d8	8.03	136	372495	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	143022	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	214418	20.00	ng	-0.03
75) Chrysene-d12	13.89	240	211183	20.00	ng	-0.03
86) Perylene-d12	15.30	264	199271	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	870591	41.03	ng	-0.02
7) Phenol-d6	6.40	99	1087502	40.35	ng	-0.02
23) Nitrobenzene-d5	7.31	82	577005	91.35	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	150449	112.08	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	832738	96.81	ng	-0.03
78) Terphenyl-d14	12.84	244	589489	65.62	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	76407	4.57	ng	# 78
25) Isophorone	7.31	82	523006	41.95	ng	# 68
49) Dimethylphthalate	9.50	163	153530	14.48	ng	99
53) 2,4-Dinitrophenol	9.92	184	633	2.73	ng	# 9
56) 2,4-Dinitrotoluene	9.78	165	18456	6.51	ng	# 37
66) 4-Bromophenyl-phenylether	10.57	248	10712	4.89	ng	# 1
70) Phenanthrene	11.29	178	30329	2.59	ng	99
74) Fluoranthene	12.48	202	52958	4.35	ng	90
77) Pyrene	12.71	202	54650	3.67	ng	99
80) Benzo(a)anthracene	13.88	228	28049	2.25	ng	95
87) Benzo(b)fluoranthene	14.91	252	39366	3.14	ng	# 94
88) Benzo(k)fluoranthene	14.91	252	39366	3.55	ng	# 91

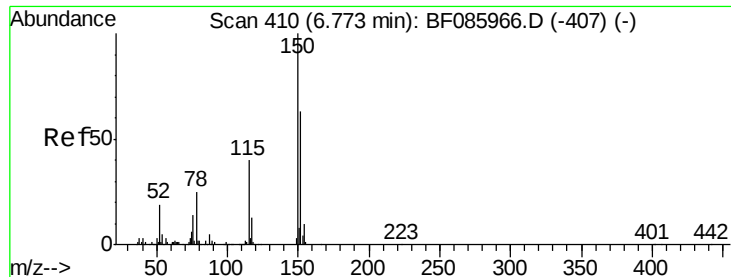
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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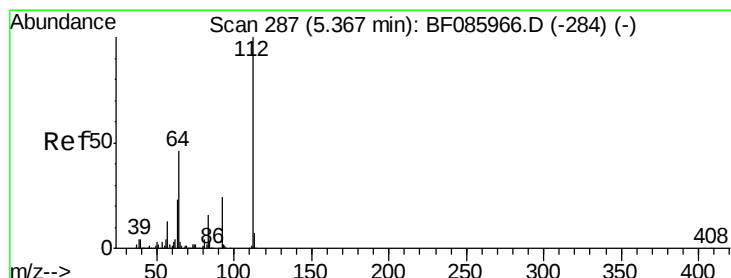
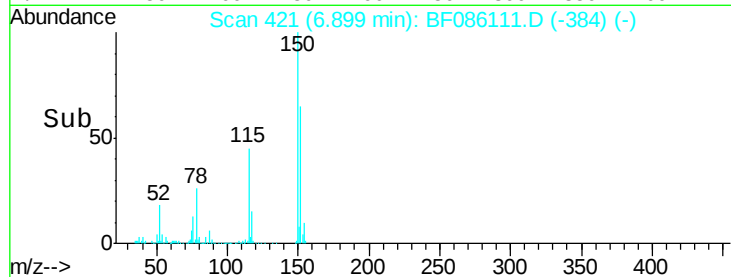
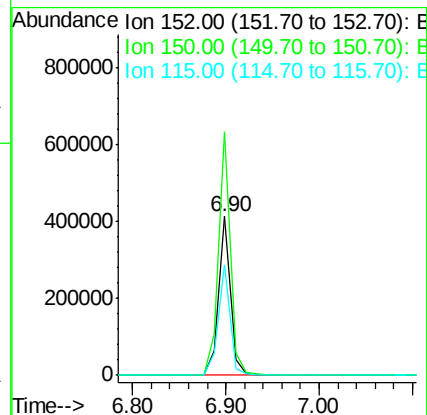
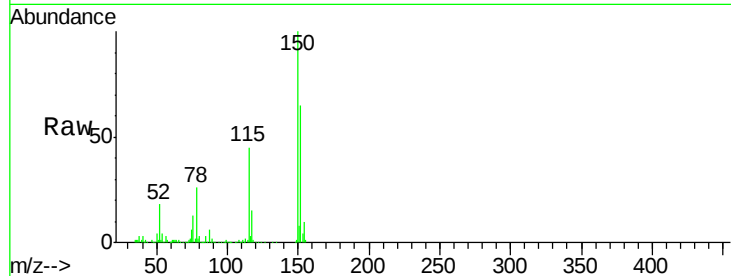


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.13 min
Lab File: BF086111.D
Acq: 6 Apr 2016 21:29

Instrument :
BNA_F
ClientSampleId :
SB01B

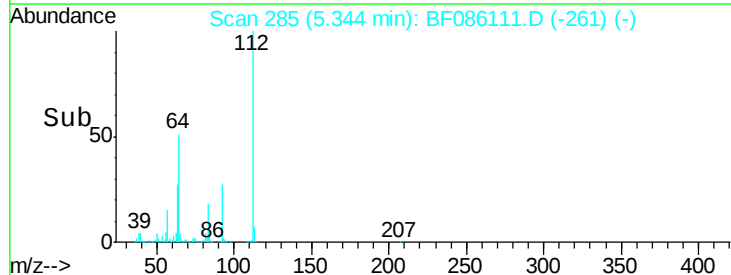
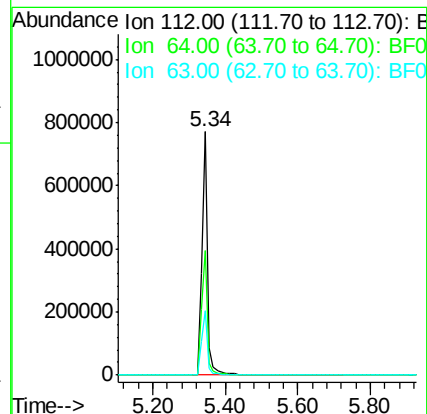
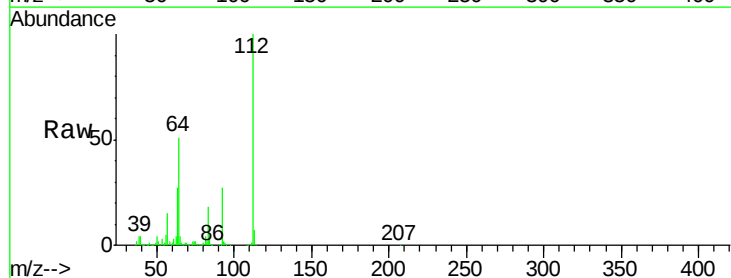
Tgt Ion:152 Resp: 362727
Ion Ratio Lower Upper
152 100
150 153.6 124.2 186.2
115 69.5 47.0 70.6

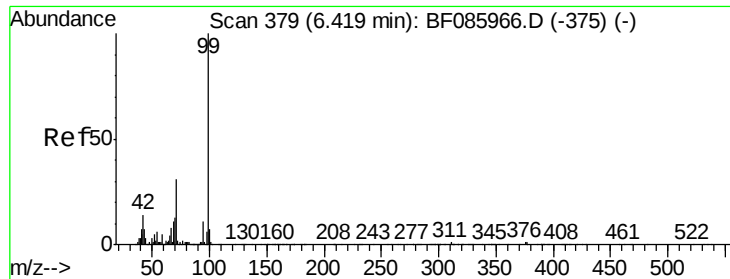


#5

2-Fluorophenol
Concen: 41.03 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF086111.D
Acq: 6 Apr 2016 21:29

Tgt Ion:112 Resp: 870591
Ion Ratio Lower Upper
112 100
64 51.3 39.9 59.9
63 26.5 20.2 30.2





#7

Phenol-d6

Concen: 40.35 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086111.D

Acq: 6 Apr 2016 21:29

Instrument :

BNA_F

ClientSampleId :

SB01B

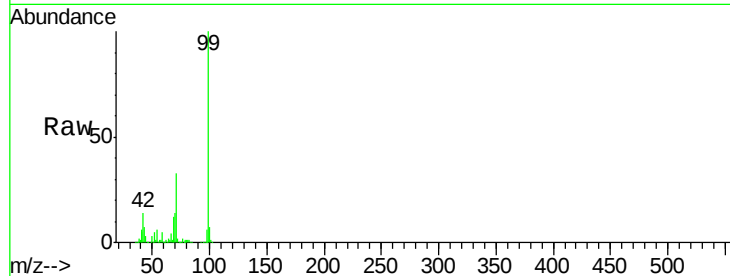
Tgt Ion: 99 Resp: 1087502

Ion Ratio Lower Upper

99 100

42 14.2 11.1 16.7

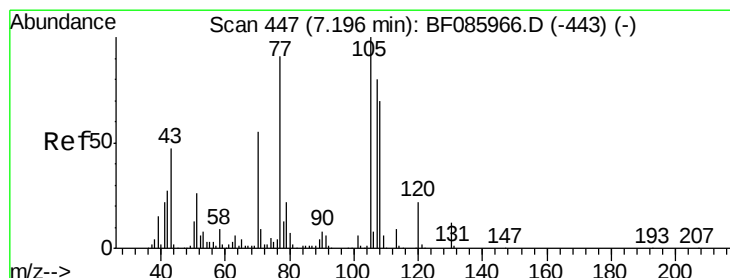
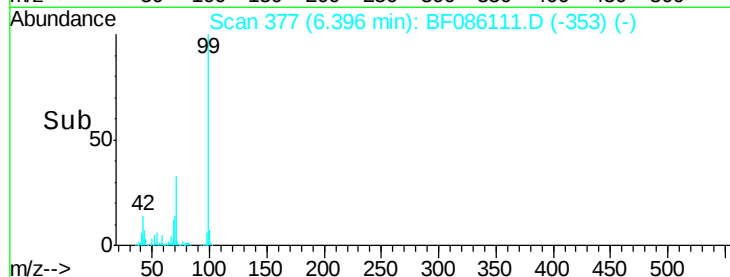
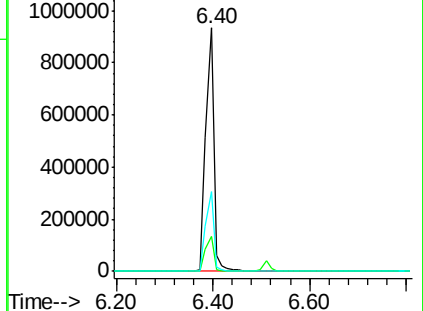
71 32.6 24.9 37.3



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: 4.57 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.11 min

Lab File: BF086111.D

Acq: 6 Apr 2016 21:29

Tgt Ion: 70 Resp: 76407

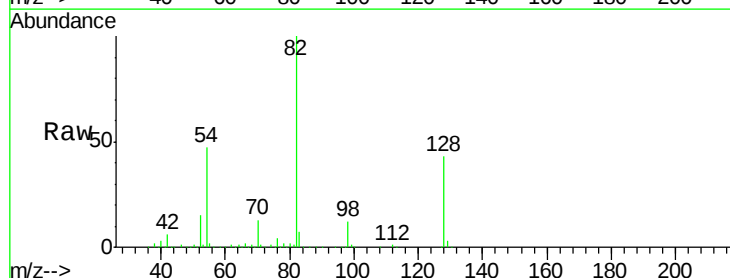
Ion Ratio Lower Upper

70 100

42 41.2 37.1 55.7

101 0.0 8.6 12.8#

130 2.4 19.6 29.4#

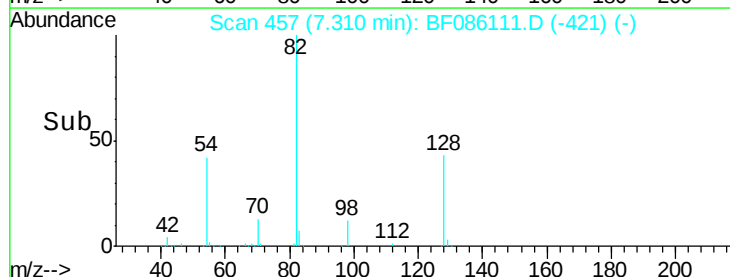
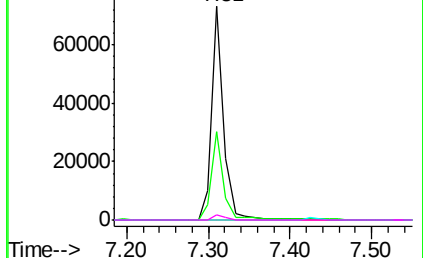


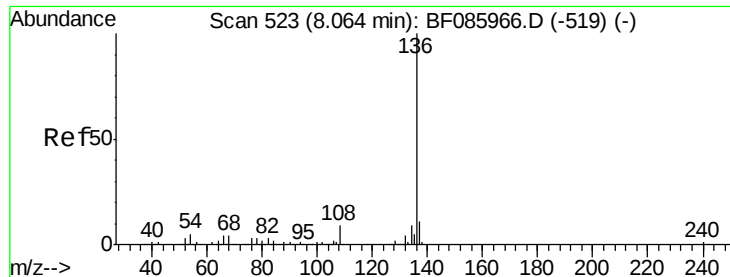
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF086111.D

Acq: 6 Apr 2016 21:29

Instrument :

BNA_F

ClientSampleId :

SB01B

Tgt Ion: 136 Resp: 372495

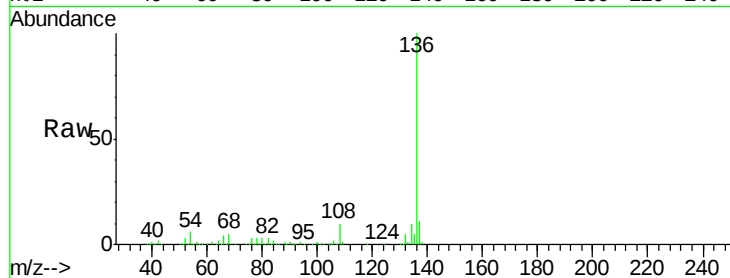
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.9 7.4 11.0#

68 4.9 5.8 8.8#

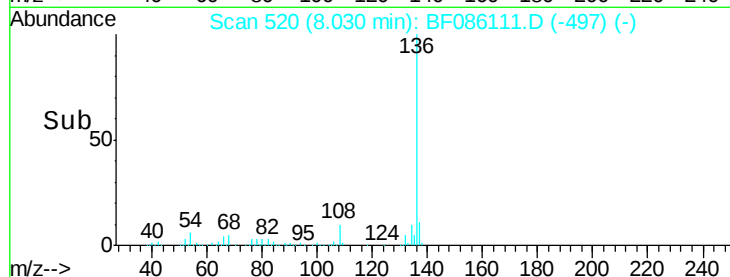


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

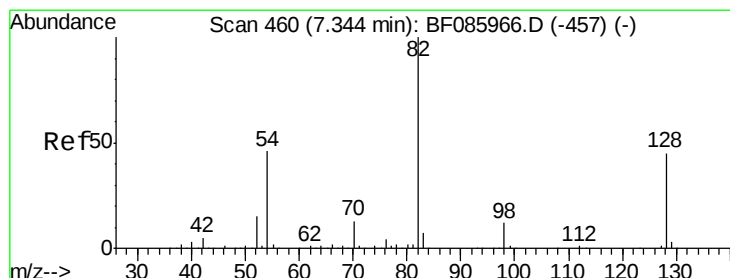
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.03



#23

Nitrobenzene-d5

Concen: 91.35 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086111.D

Acq: 6 Apr 2016 21:29

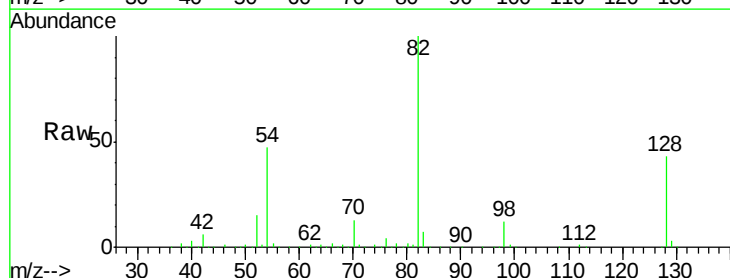
Tgt Ion: 82 Resp: 577005

Ion Ratio Lower Upper

82 100

128 42.7 41.8 62.8

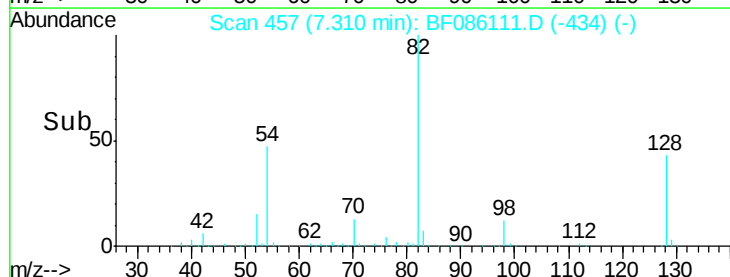
54 46.6 33.4 50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

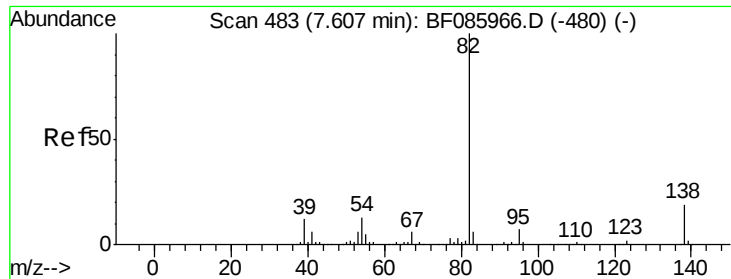
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.31



#25

Isophorone

Concen: 41.95 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.30 min

Lab File: BF086111.D

Acq: 6 Apr 2016 21:29

Instrument :

BNA_F

ClientSampleId :

SB01B

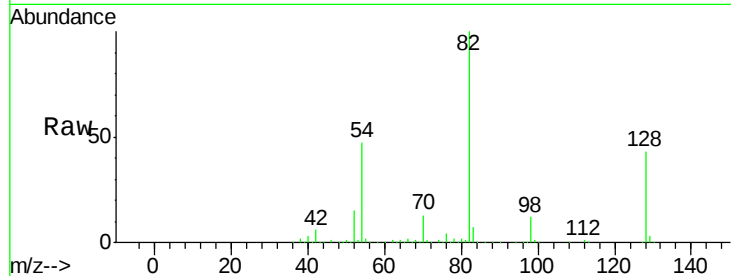
Tgt Ion: 82 Resp: 523006

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

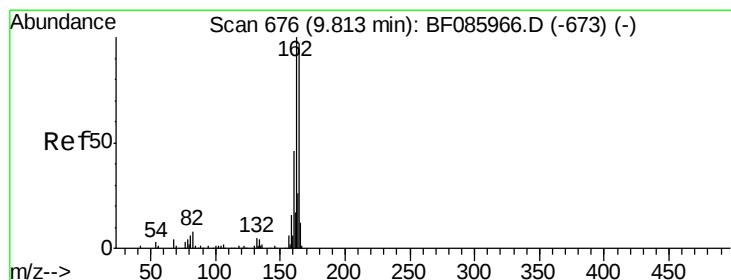
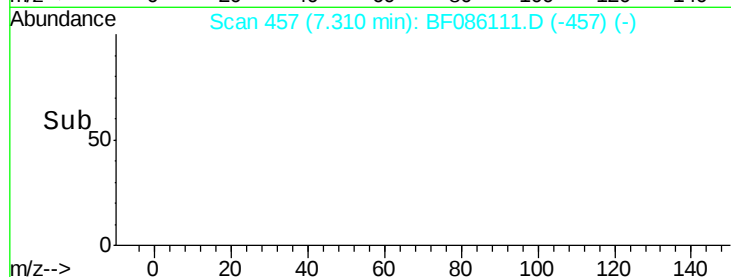
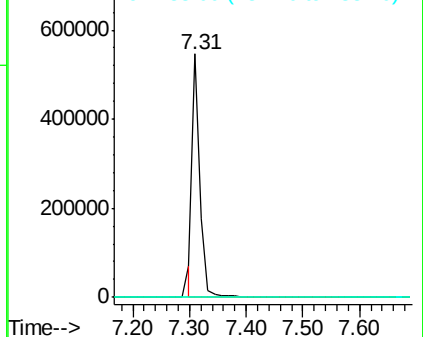
138 0.0 12.9 19.3#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086111.D

Acq: 6 Apr 2016 21:29

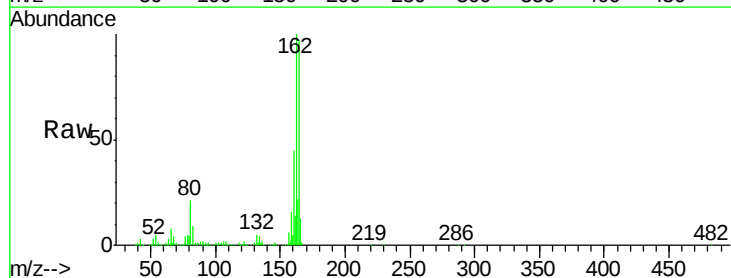
Tgt Ion: 164 Resp: 143022

Ion Ratio Lower Upper

164 100

162 103.5 82.1 123.1

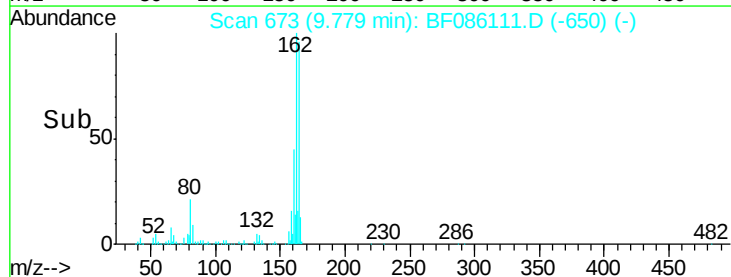
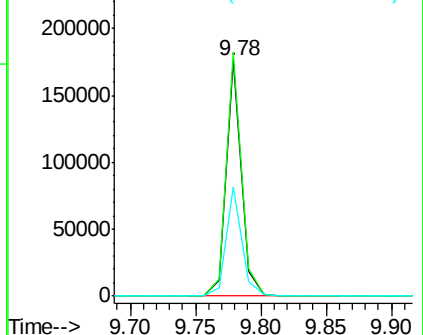
160 46.6 37.4 56.2

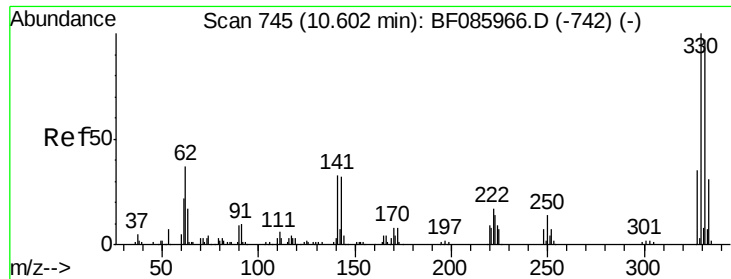


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

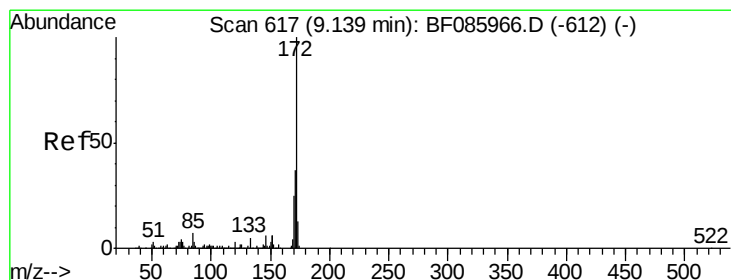
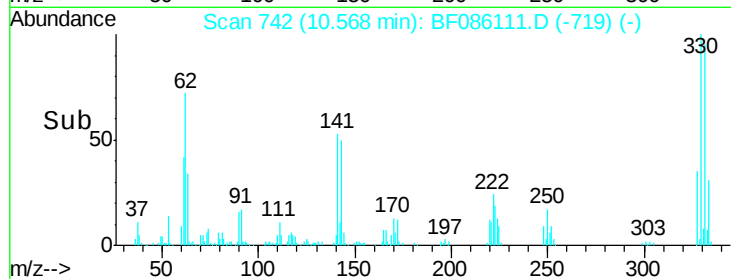
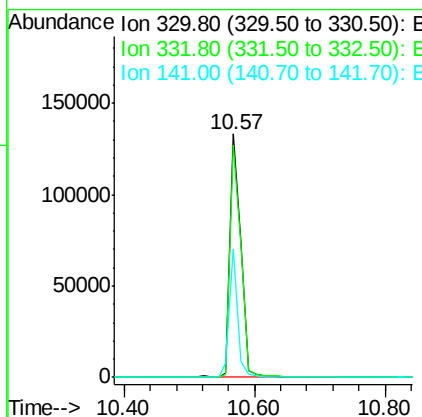
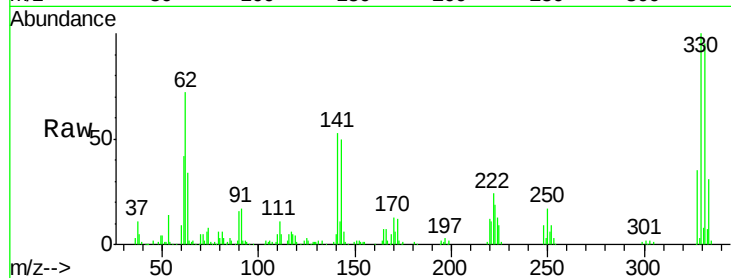




#41
 2,4,6-Tribromophenol
 Concen: 112.08 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.03 min
 Lab File: BF086111.D
 Acq: 6 Apr 2016 21:29

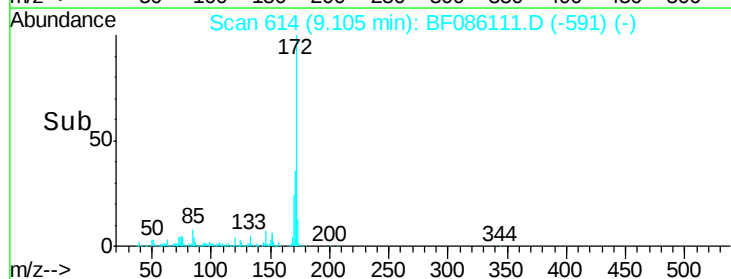
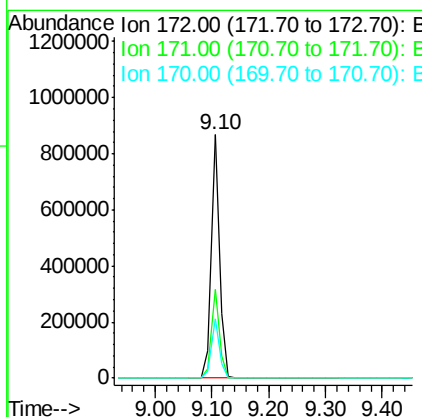
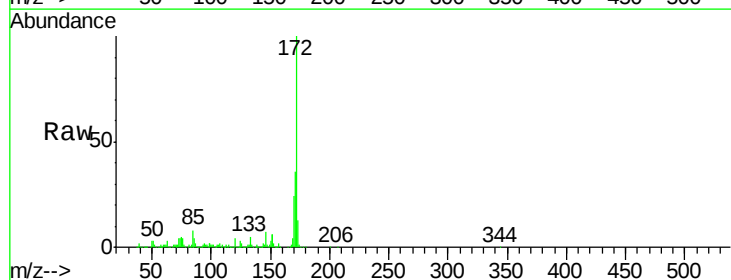
Instrument :
 BNA_F
 ClientSampleId :
 SB01B

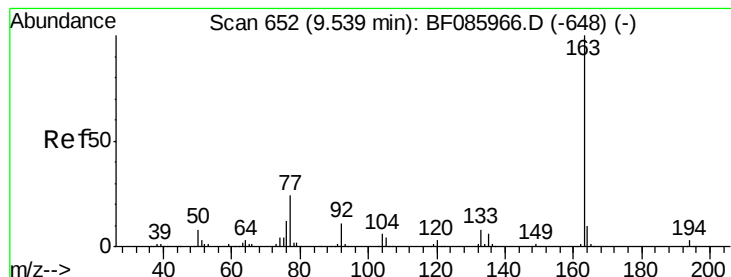
Tgt Ion:330 Resp: 150449
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.2 117.2
 141 41.7 31.5 47.3



#44
 2-Fluorobiphenyl
 Concen: 96.81 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086111.D
 Acq: 6 Apr 2016 21:29

Tgt Ion:172 Resp: 832738
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.2
 170 24.4 19.8 29.6





#49

Dimethylphthalate

Concen: 14.48 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.03 min

Lab File: BF086111.D

Acq: 6 Apr 2016 21:29

Instrument :

BNA_F

ClientSampleId :

SB01B

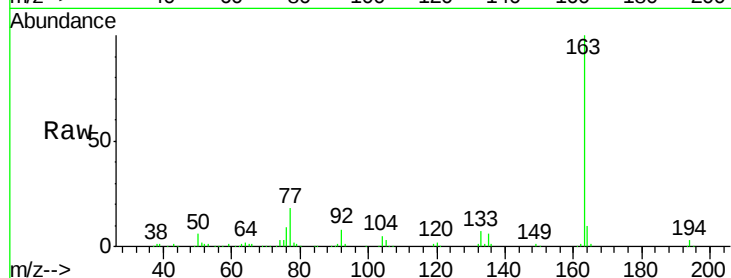
Tgt Ion:163 Resp: 153530

Ion Ratio Lower Upper

163 100

194 3.3 2.9 4.3

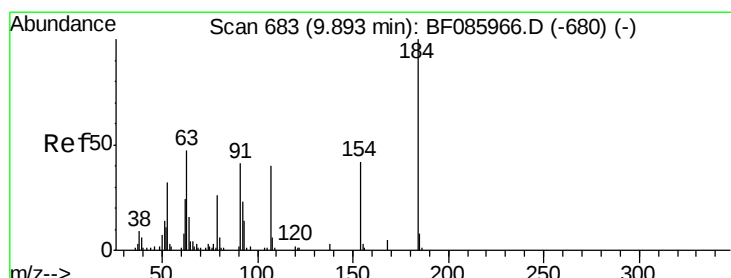
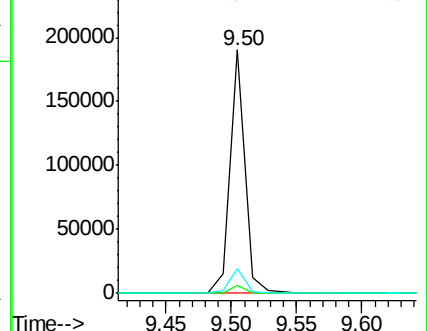
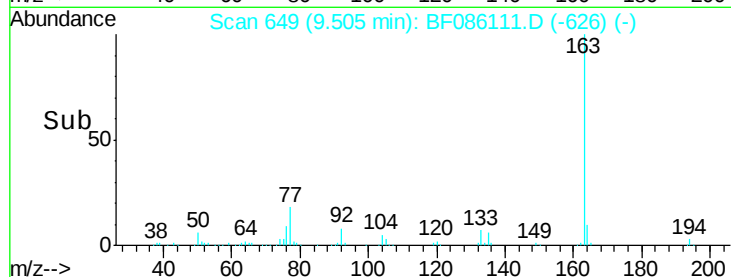
164 10.1 8.3 12.5



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



#53

2,4-Dinitrophenol

Concen: 2.73 ng

RT: 9.92 min Scan# 685

Delta R.T. 0.02 min

Lab File: BF086111.D

Acq: 6 Apr 2016 21:29

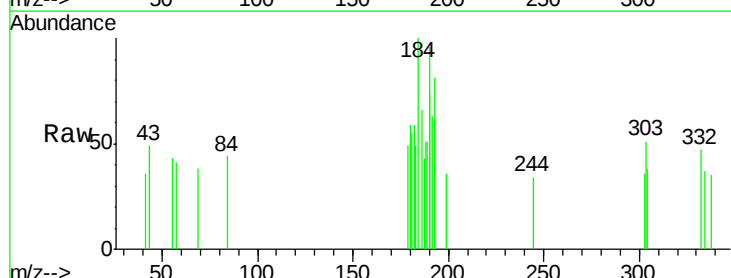
Tgt Ion:184 Resp: 633

Ion Ratio Lower Upper

184 100

63 0.0 69.5 104.3#

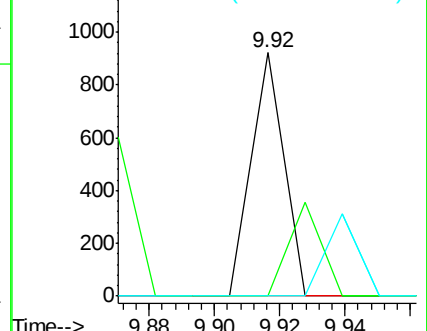
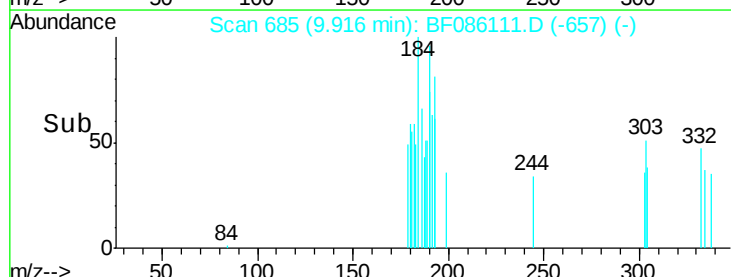
154 0.0 58.3 87.5#

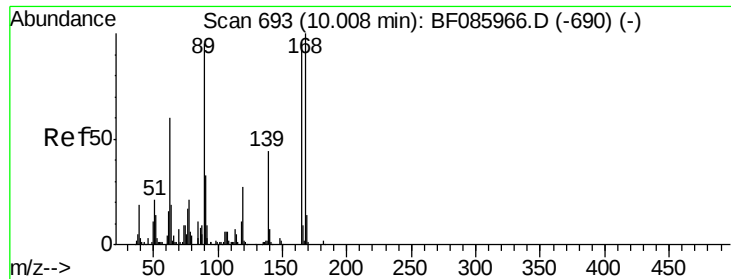


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

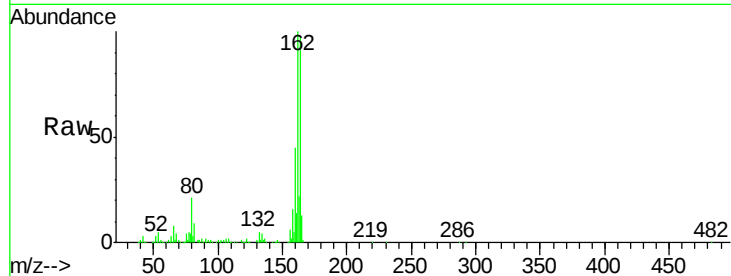




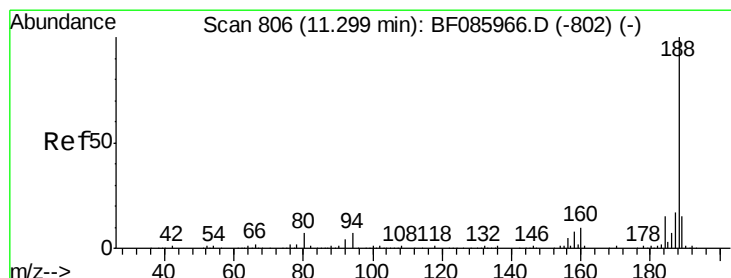
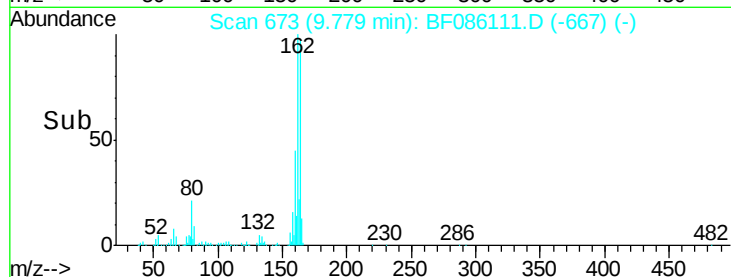
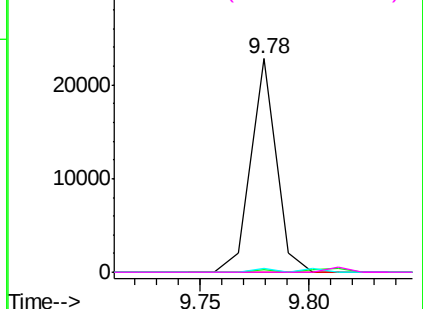
#56
 2,4-Dinitrotoluene
 Concen: 6.51 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.23 min
 Lab File: BF086111.D
 Acq: 6 Apr 2016 21:29

Instrument :
 BNA_F
 ClientSampleId :
 SB01B

Tgt Ion:165 Resp: 18456
 Ion Ratio Lower Upper
 165 100
 63 1.4 24.9 37.3#
 89 2.1 41.0 61.6#
 182 0.0 2.1 3.1#

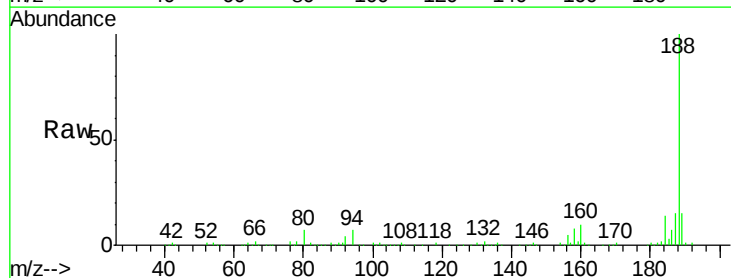


Abundance Ion 165.00 (164.70 to 165.70): E

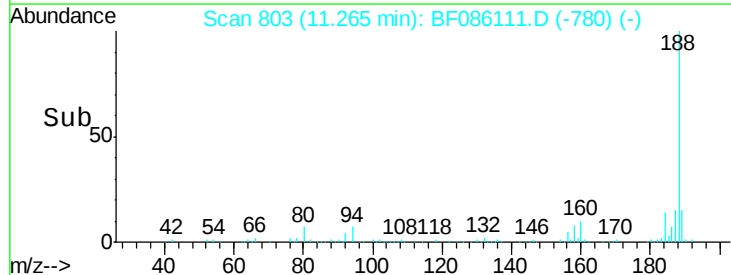
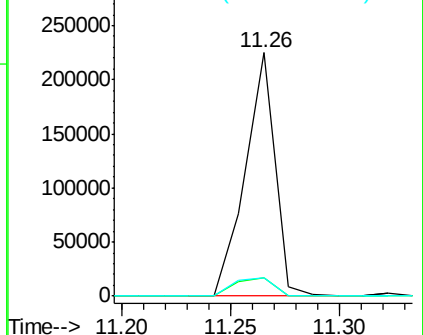


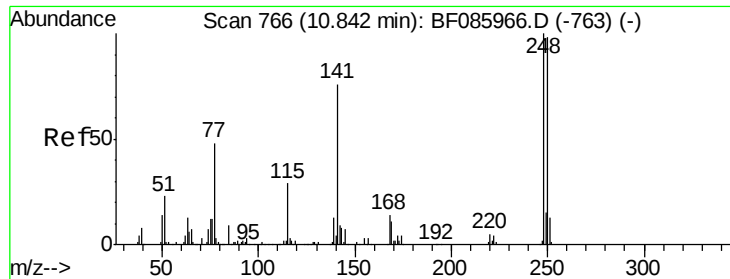
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF086111.D
 Acq: 6 Apr 2016 21:29

Tgt Ion:188 Resp: 214418
 Ion Ratio Lower Upper
 188 100
 94 7.3 5.4 8.0
 80 7.4 5.5 8.3



Abundance Ion 188.00 (187.70 to 188.70): E

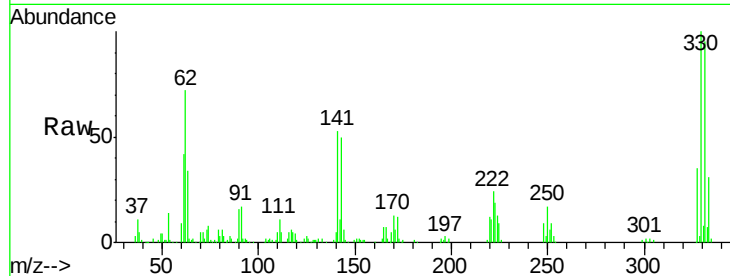




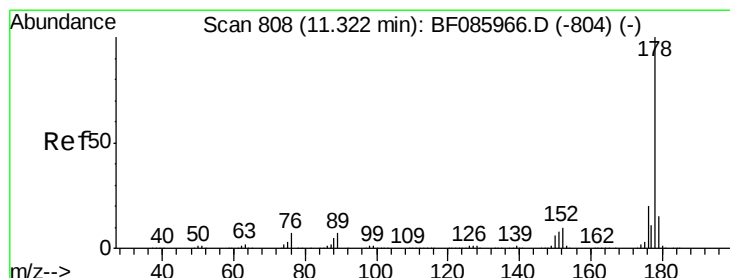
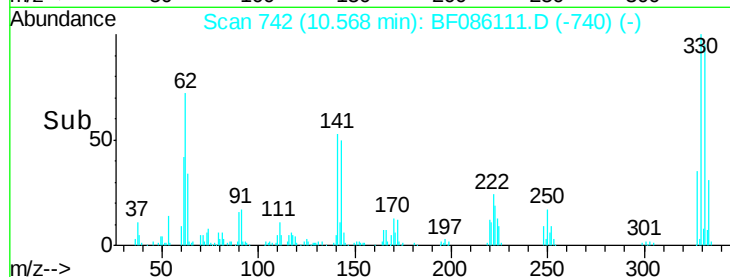
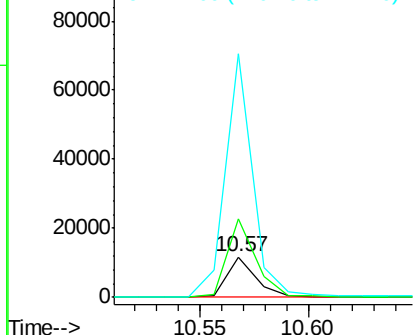
#66
 4-Bromophenyl-phenylether
 Concen: 4.89 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.27 min
 Lab File: BF086111.D
 Acq: 6 Apr 2016 21:29

Instrument :
 BNA_F
 ClientSampleID :
 SB01B

Tgt Ion:248 Resp: 10712
 Ion Ratio Lower Upper
 248 100
 250 194.5 77.4 116.0#
 141 603.5 63.6 95.4#

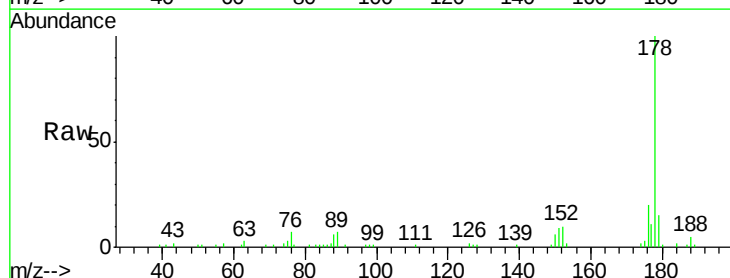


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

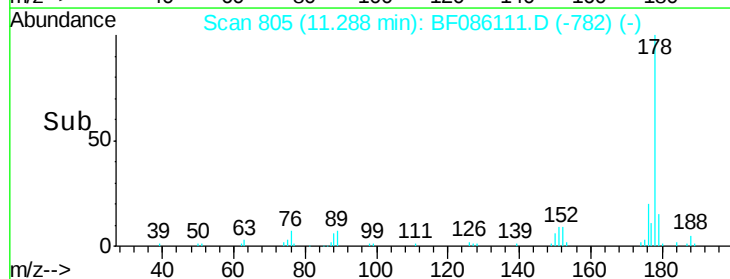
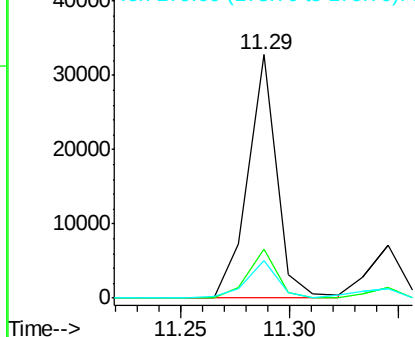


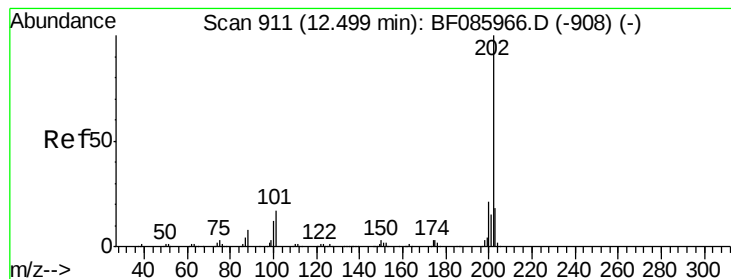
#70
 Phenanthrene
 Concen: 2.59 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.03 min
 Lab File: BF086111.D
 Acq: 6 Apr 2016 21:29

Tgt Ion:178 Resp: 30329
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.3 24.5
 179 15.2 12.6 18.8



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





#74

Fluoranthene

Concen: 4.35 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF086111.D

Acq: 6 Apr 2016 21:29

Instrument :

BNA_F

ClientSampleId :

SB01B

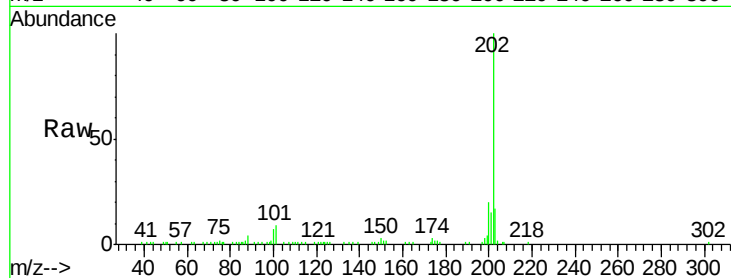
Tgt Ion:202 Resp: 52958

Ion Ratio Lower Upper

202 100

101 8.9 0.0 36.6

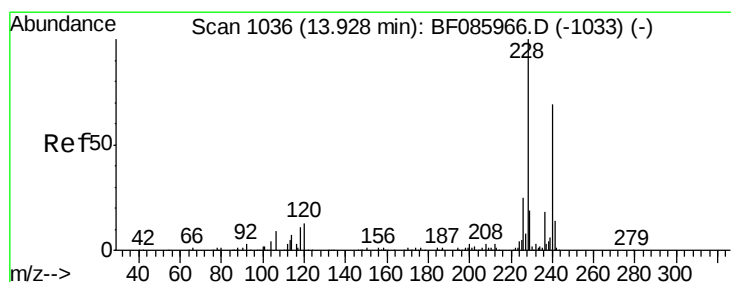
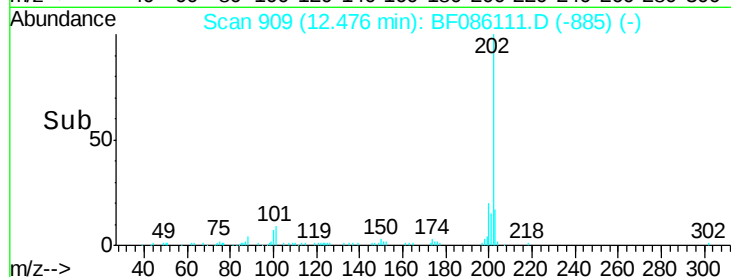
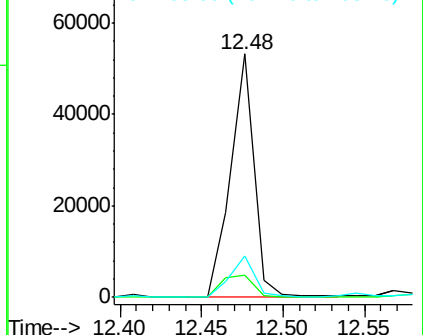
203 17.0 0.0 38.1



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: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086111.D

Acq: 6 Apr 2016 21:29

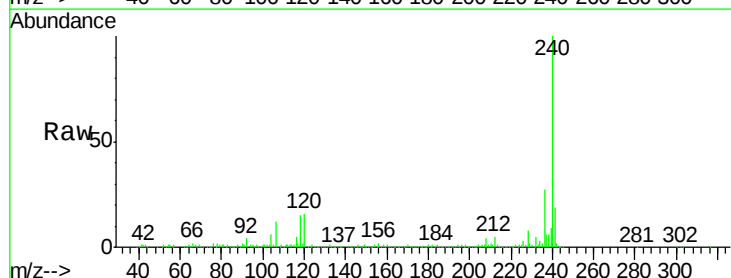
Tgt Ion:240 Resp: 211183

Ion Ratio Lower Upper

240 100

120 16.1 13.8 20.8

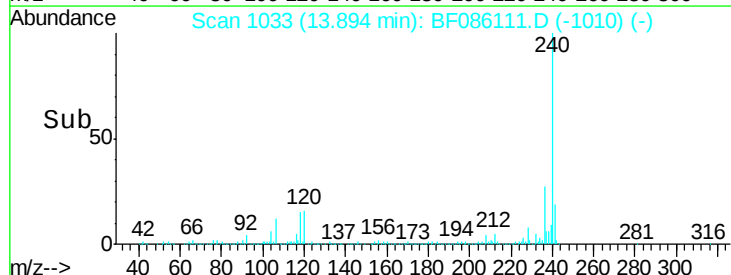
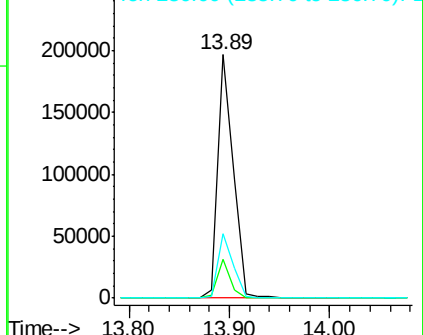
236 26.5 20.6 30.8

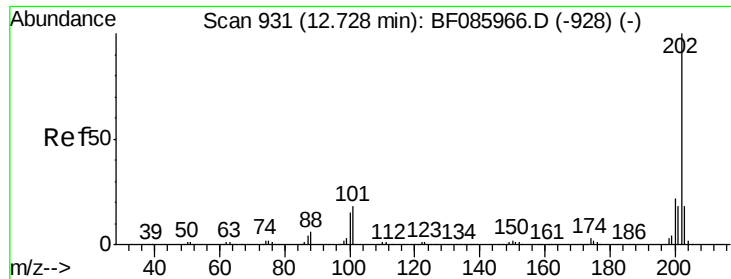


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

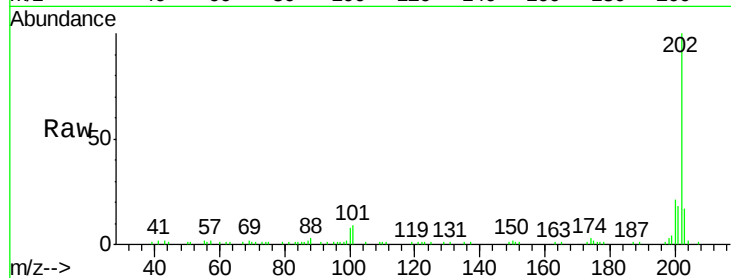




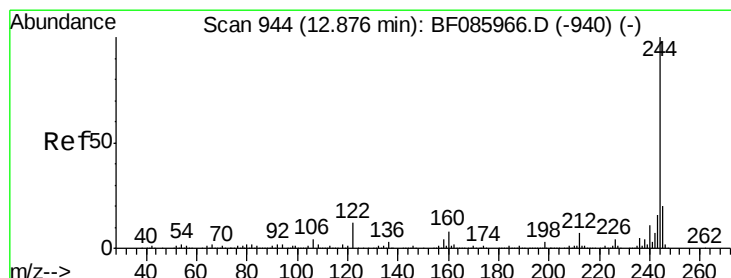
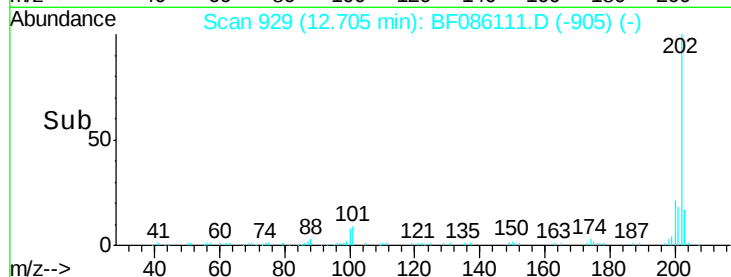
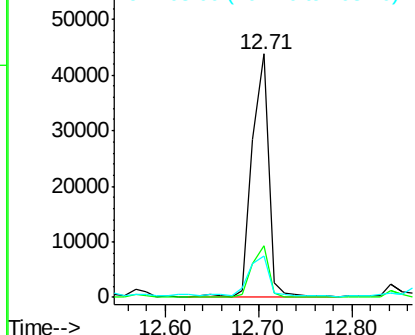
#77
 Pyrene
 Concen: 3.67 ng
 RT: 12.71 min Scan# 929
 Delta R.T. -0.02 min
 Lab File: BF086111.D
 Acq: 6 Apr 2016 21:29

Instrument :
 BNA_F
 ClientSampleId :
 SB01B

Tgt Ion: 202 Resp: 54650
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.6 26.4
 203 17.2 14.0 21.0

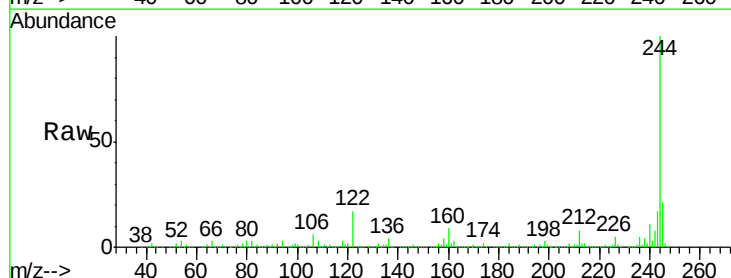


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

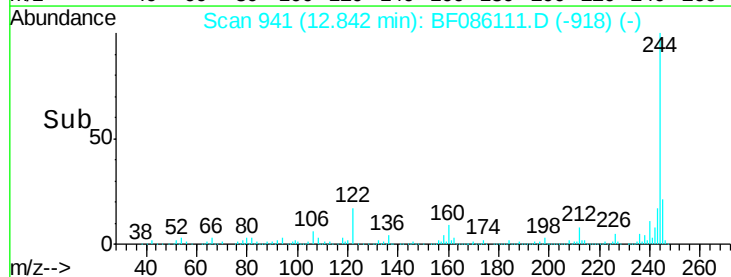
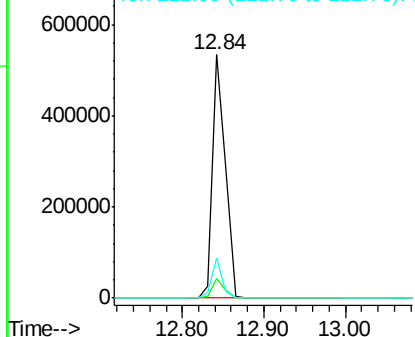


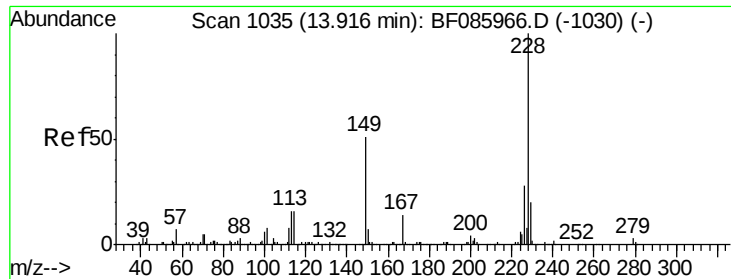
#78
 Terphenyl-d14
 Concen: 65.62 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.03 min
 Lab File: BF086111.D
 Acq: 6 Apr 2016 21:29

Tgt Ion: 244 Resp: 589489
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.1 9.1
 122 16.5 10.2 15.4#



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

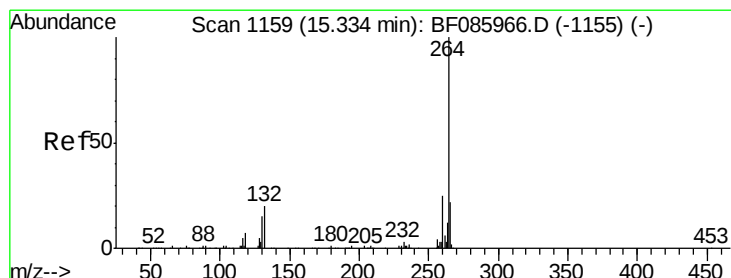
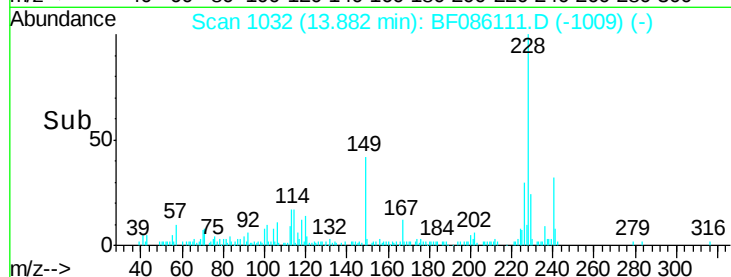
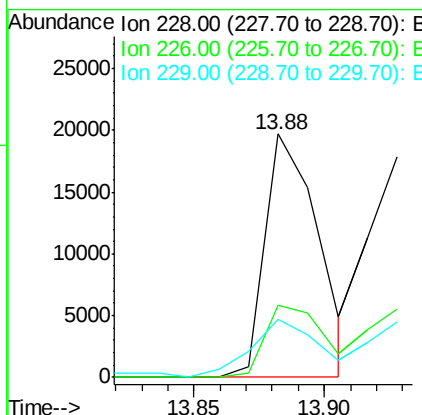
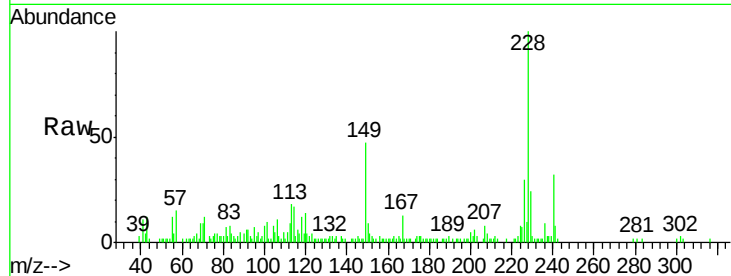




#80
Benzo(a)anthracene
Concen: 2.25 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.03 min
Lab File: BF086111.D
Acq: 6 Apr 2016 21:29

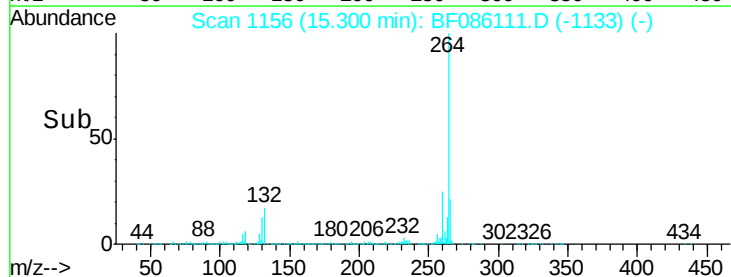
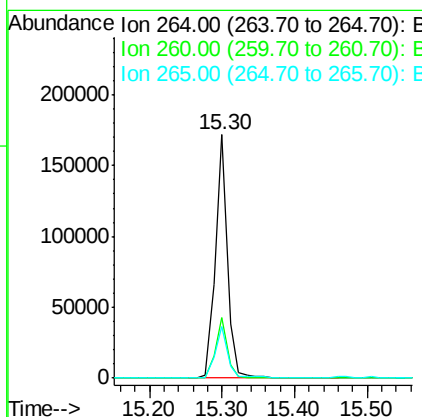
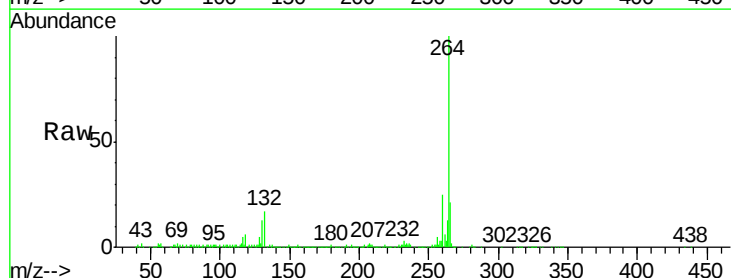
Instrument :
BNA_F
ClientSampleID :
SB01B

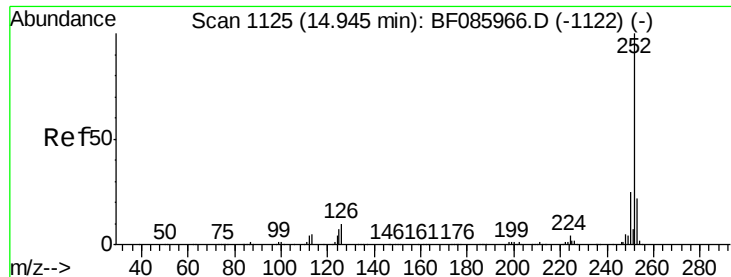
Tgt Ion:228 Resp: 28049
Ion Ratio Lower Upper
228 100
226 29.7 22.1 33.1
229 23.7 16.2 24.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086111.D
Acq: 6 Apr 2016 21:29

Tgt Ion:264 Resp: 199271
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 21.4 17.2 25.8

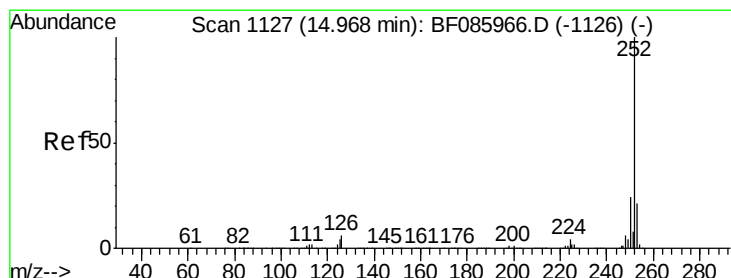
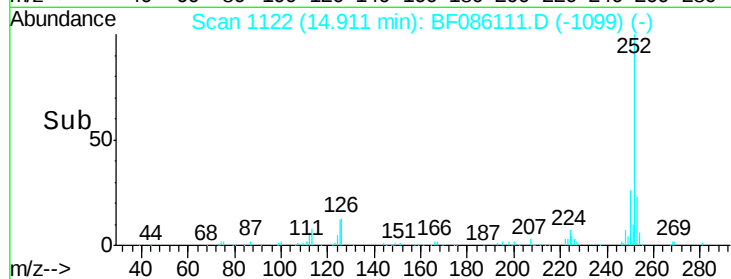
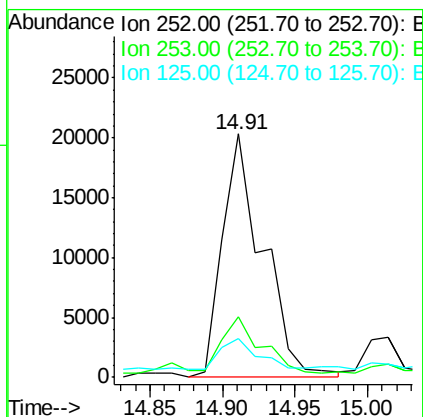
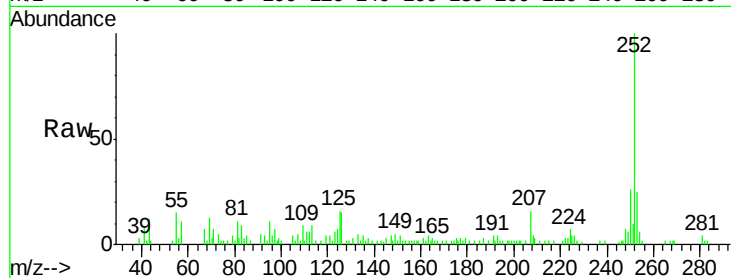




#87
Benzo(b)fluoranthene
Concen: 3.14 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF086111.D
Acq: 6 Apr 2016 21:29

Instrument :
BNA_F
ClientSampled :
SB01B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.6	26.4
125	16.0	10.3	15.5#



#88
Benzo(k)fluoranthene
Concen: 3.55 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BF086111.D
Acq: 6 Apr 2016 21:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	16.0	7.7	11.5#

