

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
 Data File : BF086287.D
 Acq On : 18 Apr 2016 17:42
 Operator : UM/SJ
 Sample : H2413-06 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-F-6(0-2)

Quant Time: Apr 19 00:51:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

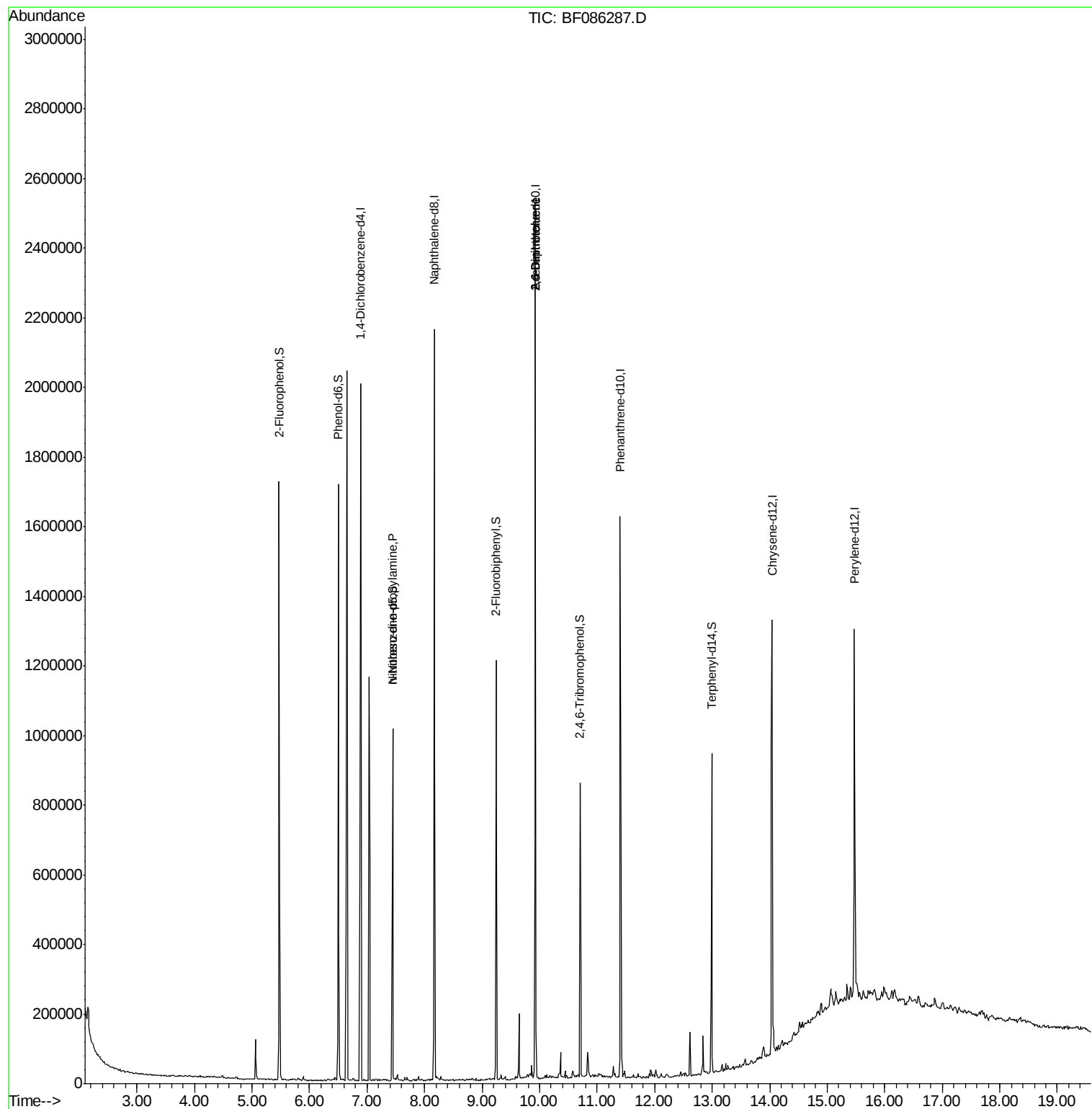
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	301307	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	1115823	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	482038	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	692685	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	513901	20.00	ng	-0.01
86) Perylene-d12	15.47	264	462014	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	482189	26.22	ng	-0.01
7) Phenol-d6	6.50	99	585517	25.45	ng	-0.02
23) Nitrobenzene-d5	7.45	82	358915	18.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	84804	21.91	ng	-0.02
44) 2-Fluorobiphenyl	9.24	172	489684	18.75	ng	-0.02
78) Terphenyl-d14	12.99	244	267982	13.11	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	46339	3.15	ng	# 73
22) Acetophenone	7.29	105	411	Below Cal		# 1
50) 2,6-Dinitrotoluene	9.93	165	61837	7.97	ng	# 32
56) 2,4-Dinitrotoluene	9.93	165	61840	6.23	ng	# 31
57) Fluorene	10.46	166	2161	Below Cal		# 81
71) Anthracene	11.48	178	8714	Below Cal		96
74) Fluoranthene	12.61	202	43968	Below Cal		96

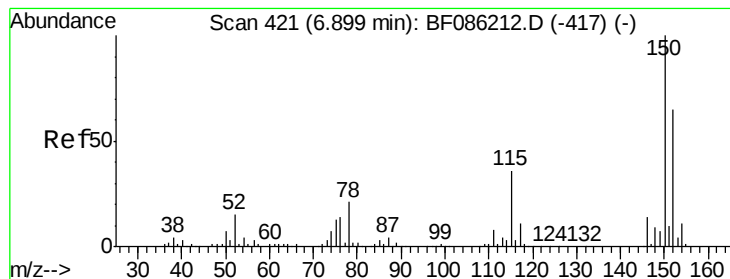
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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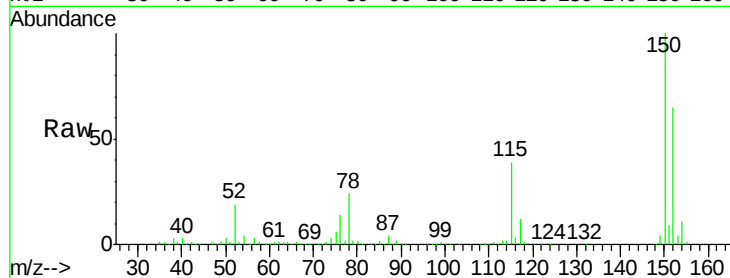




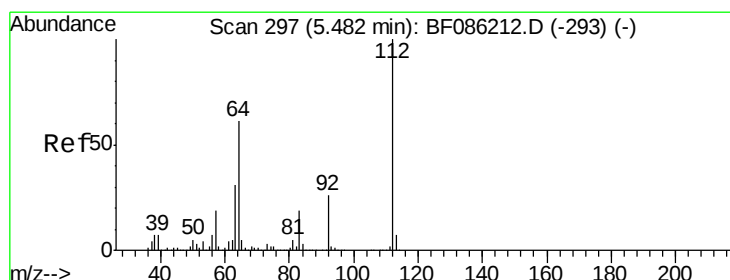
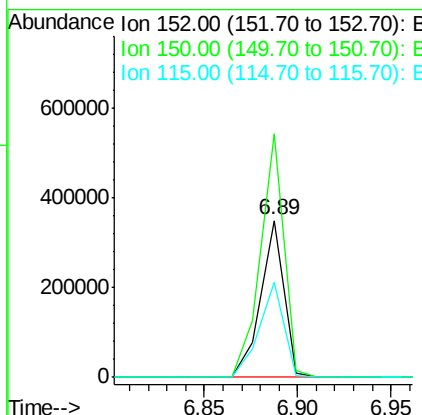
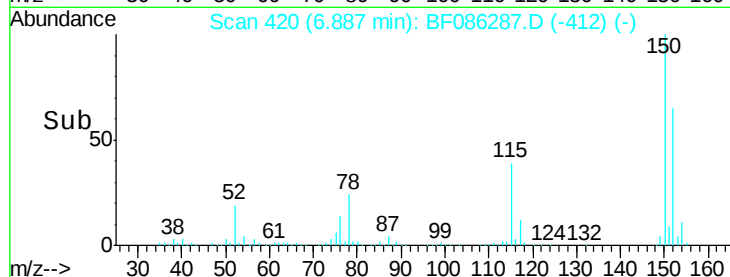
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.89 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BF086287.D
 Acq: 18 Apr 2016 17:42

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-F-6(0-2)

Tgt Ion:152 Resp: 301307
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.1 186.1
 115 60.3 43.9 65.9

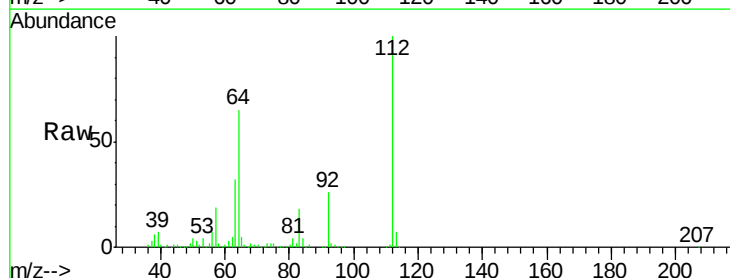


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

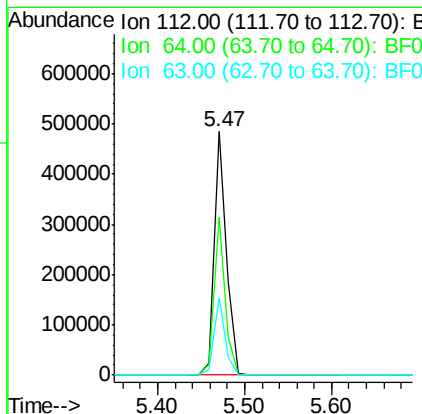
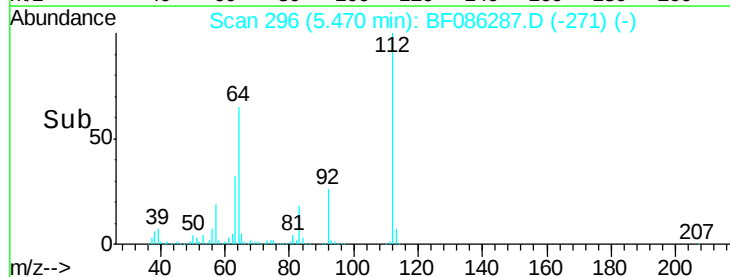


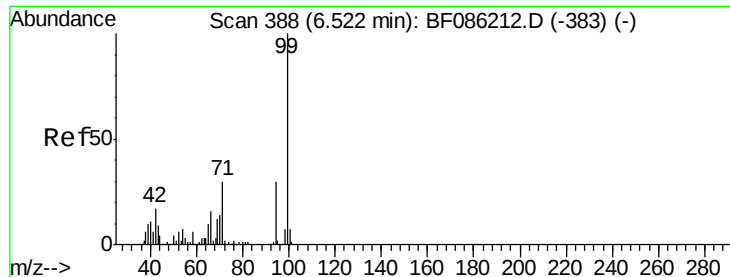
#5
 2-Fluorophenol
 Concen: 26.22 ng
 RT: 5.47 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: BF086287.D
 Acq: 18 Apr 2016 17:42

Tgt Ion:112 Resp: 482189
 Ion Ratio Lower Upper
 112 100
 64 64.9 48.1 72.1
 63 31.5 25.5 38.3



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: 25.45 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF086287.D

Acq: 18 Apr 2016 17:42

Instrument :

BNA_F

ClientSampleId :

SP-2-F-6(0-2)

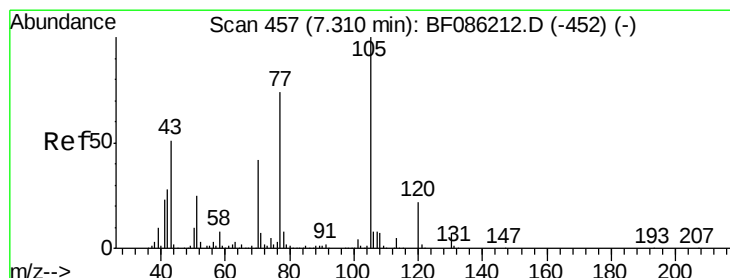
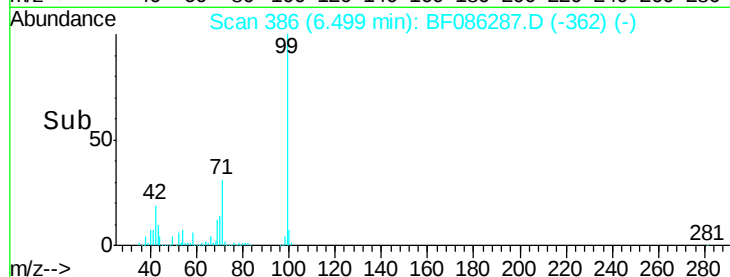
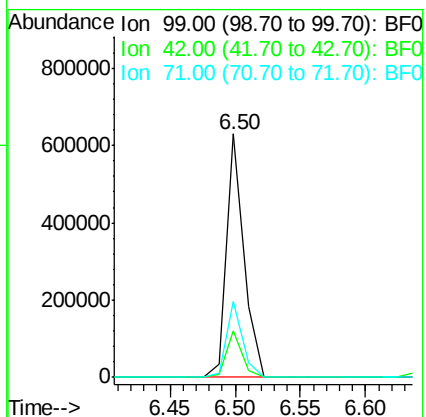
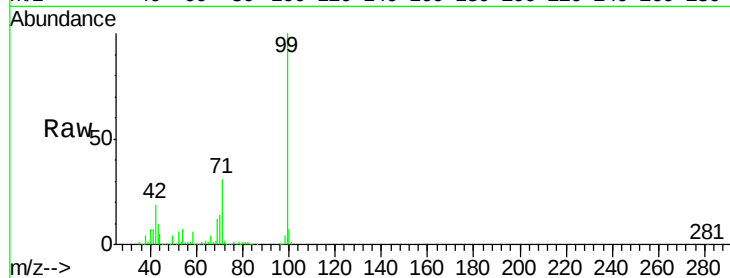
Tgt Ion: 99 Resp: 585517

Ion Ratio Lower Upper

99 100

42 18.9 15.4 23.2

71 31.0 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 3.15 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.14 min

Lab File: BF086287.D

Acq: 18 Apr 2016 17:42

Tgt Ion: 70 Resp: 46339

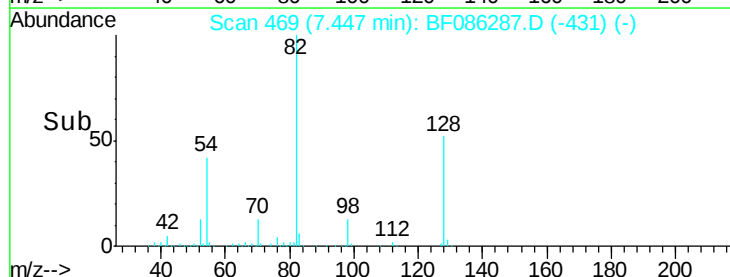
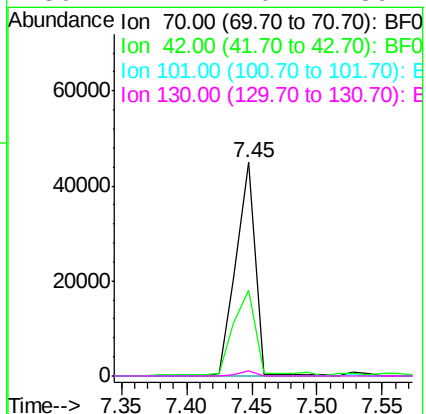
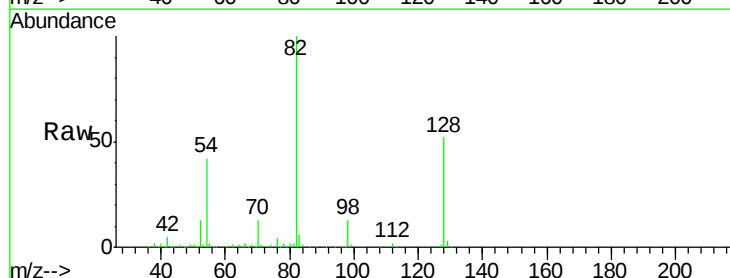
Ion Ratio Lower Upper

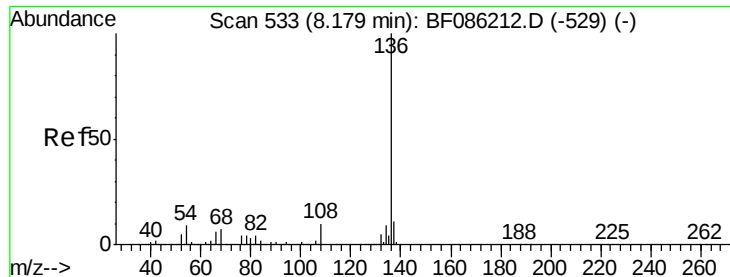
70 100

42 40.0 43.0 64.4#

101 0.0 8.1 12.1#

130 2.4 20.1 30.1#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.01 min

Lab File: BF086287.D

Acq: 18 Apr 2016 17:42

Instrument :

BNA_F

ClientSampleId :

SP-2-F-6(0-2)

Tgt Ion:136 Resp: 1115823

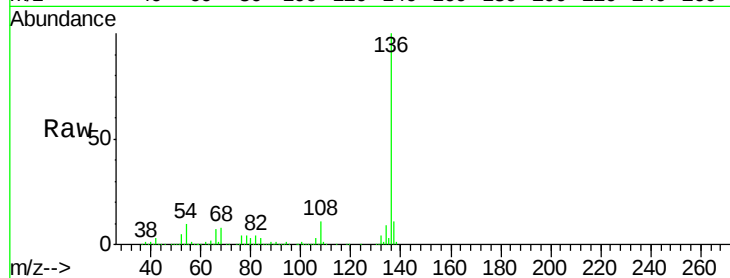
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 10.1 7.3 10.9

68 8.0 5.7 8.5

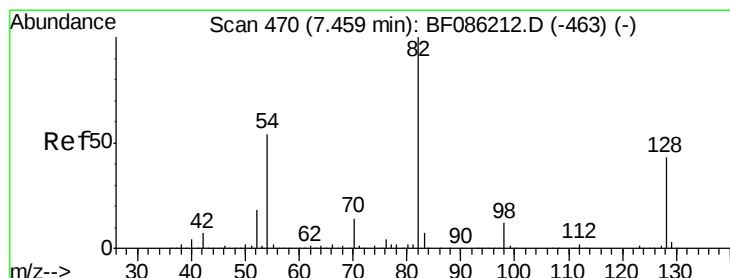
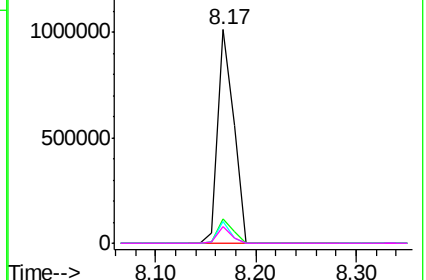
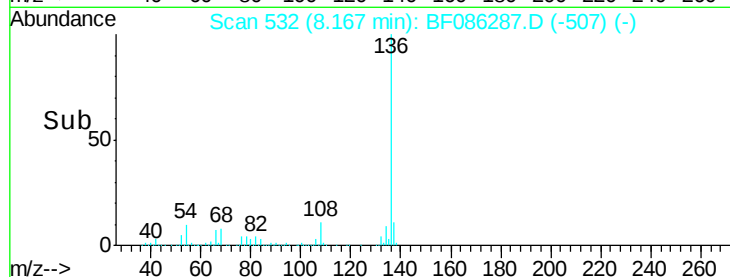


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 18.55 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF086287.D

Acq: 18 Apr 2016 17:42

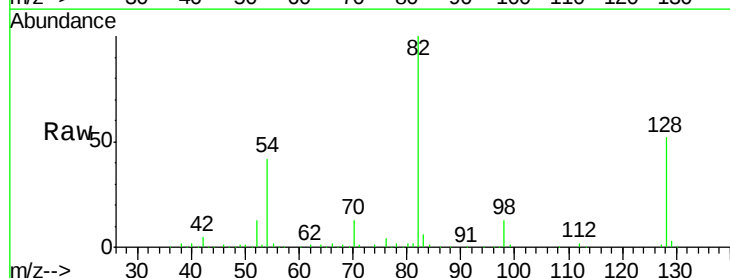
Tgt Ion: 82 Resp: 358915

Ion Ratio Lower Upper

82 100

128 52.0 35.4 53.2

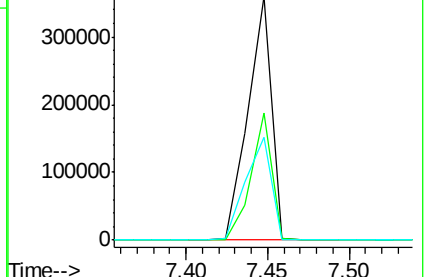
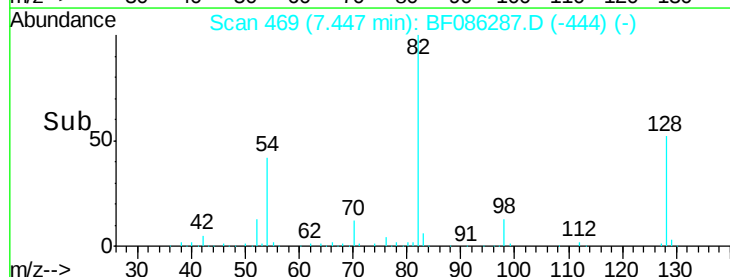
54 42.3 43.4 65.0#

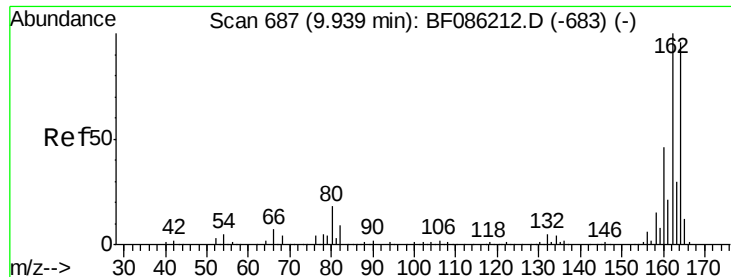


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086287.D

Acq: 18 Apr 2016 17:42

Instrument :

BNA_F

ClientSampleId :

SP-2-F-6(0-2)

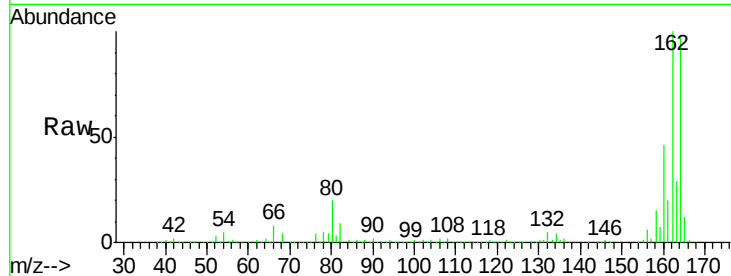
Tgt Ion:164 Resp: 482038

Ion Ratio Lower Upper

164 100

162 103.1 82.8 124.2

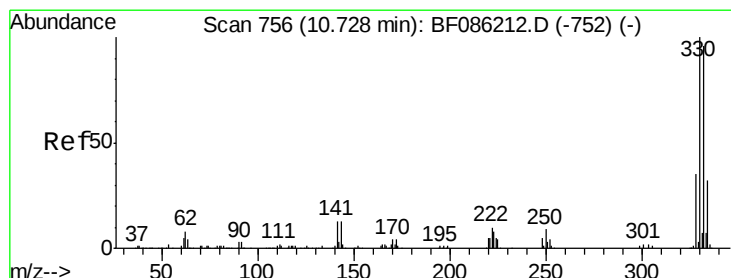
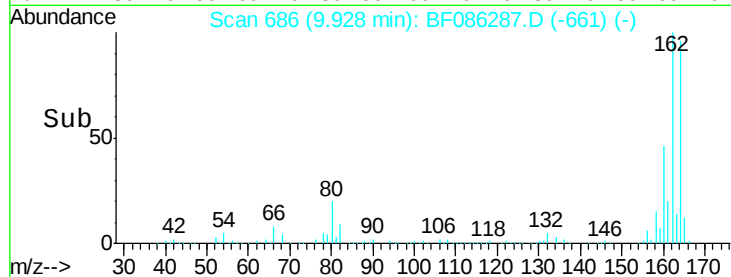
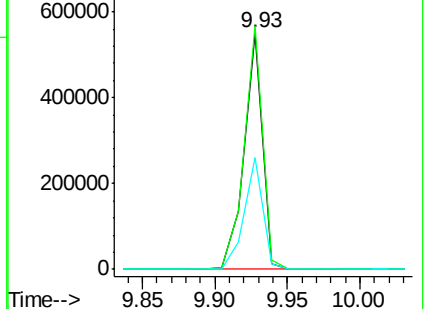
160 47.6 38.9 58.3



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: 21.91 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF086287.D

Acq: 18 Apr 2016 17:42

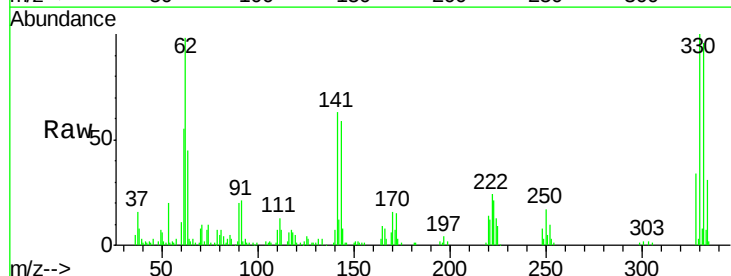
Tgt Ion:330 Resp: 84804

Ion Ratio Lower Upper

330 100

332 97.2 78.7 118.1

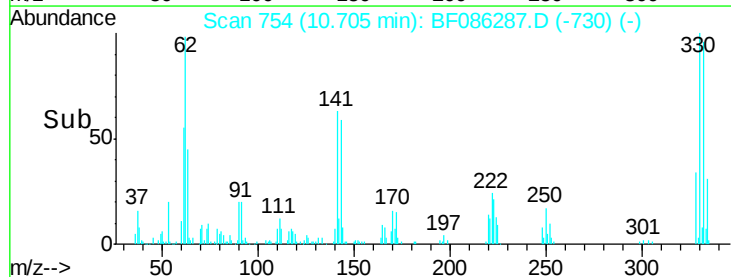
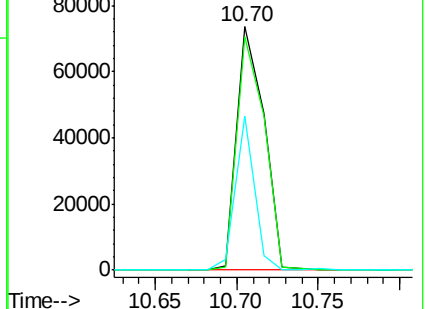
141 44.1 28.6 42.8#

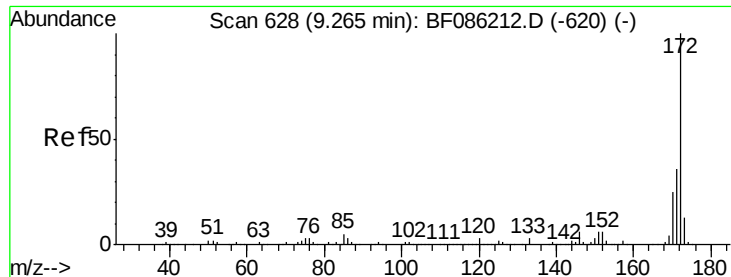


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

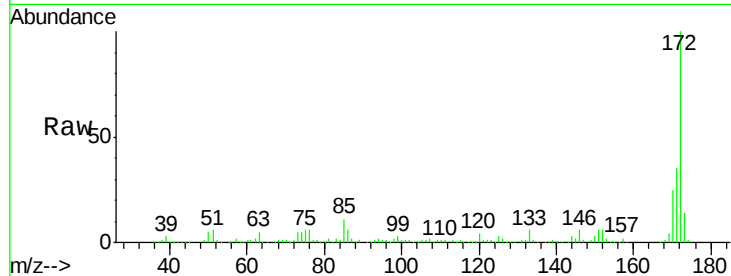




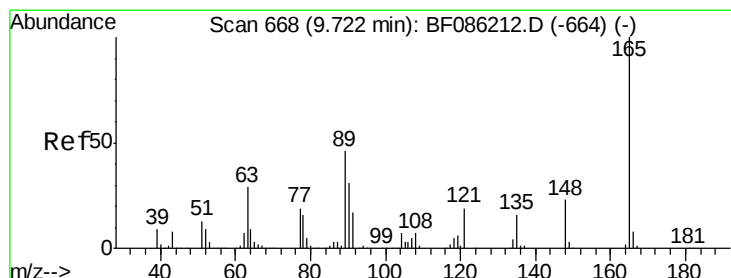
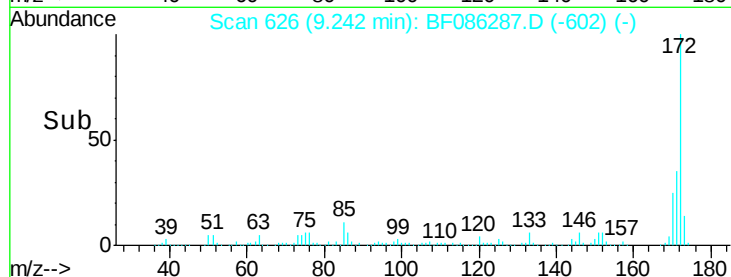
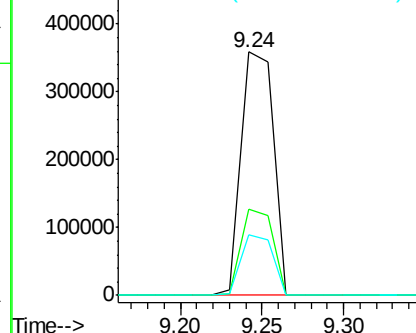
#44
 2-Fluorobiphenyl
 Concen: 18.75 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: BF086287.D
 Acq: 18 Apr 2016 17:42

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-F-6(0-2)

Tgt Ion:172 Resp: 489684
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.1 43.7
 170 24.8 19.9 29.9

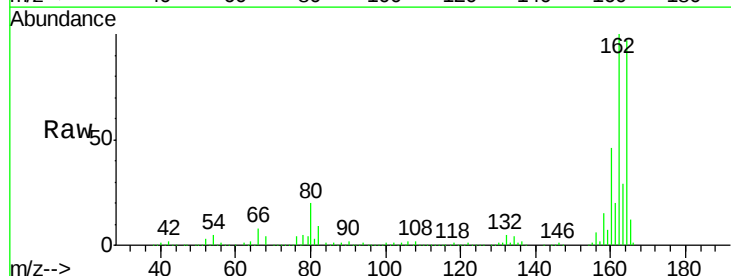


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

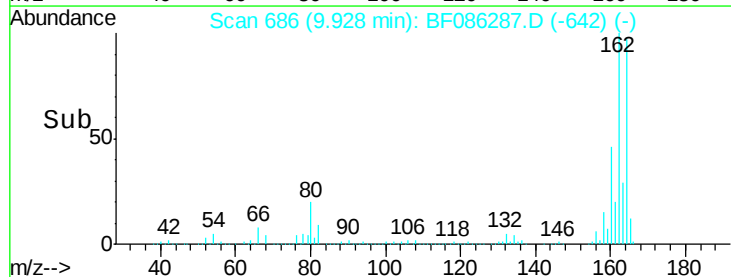
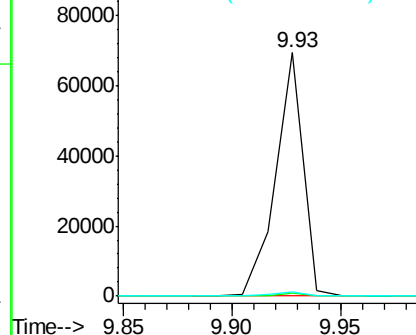


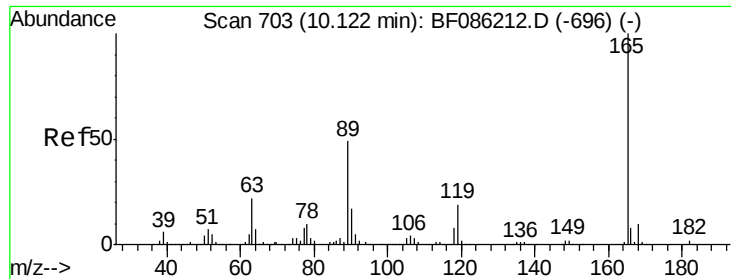
#50
 2,6-Dinitrotoluene
 Concen: 7.97 ng
 RT: 9.93 min Scan# 686
 Delta R.T. 0.21 min
 Lab File: BF086287.D
 Acq: 18 Apr 2016 17:42

Tgt Ion:165 Resp: 61837
 Ion Ratio Lower Upper
 165 100
 63 1.3 35.1 52.7#
 89 1.7 39.8 59.6#



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





#56

2,4-Dinitrotoluene

Concen: 6.23 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.19 min

Lab File: BF086287.D

Acq: 18 Apr 2016 17:42

Instrument :

BNA_F

ClientSampleId :

SP-2-F-6(0-2)

Tgt Ion:165 Resp: 61840

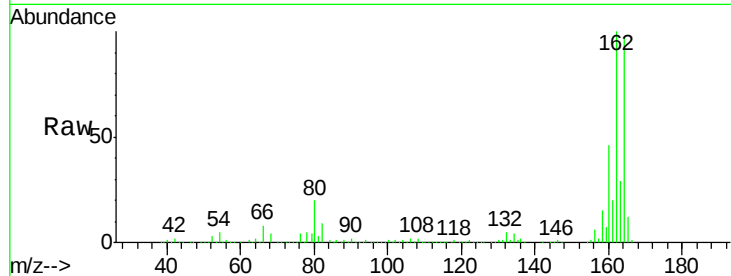
Ion Ratio Lower Upper

165 100

63 1.3 26.6 40.0#

89 1.7 49.5 74.3#

182 0.0 1.9 2.9#

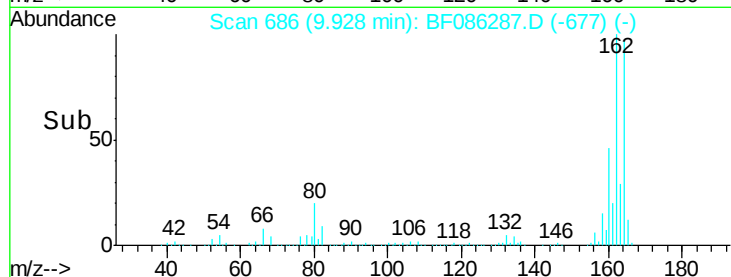


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

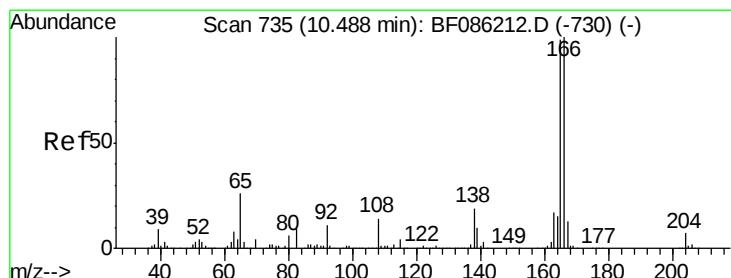
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->

9.85 9.90 9.95



#57

Fluorene

Concen: Below Cal

RT: 10.46 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF086287.D

Acq: 18 Apr 2016 17:42

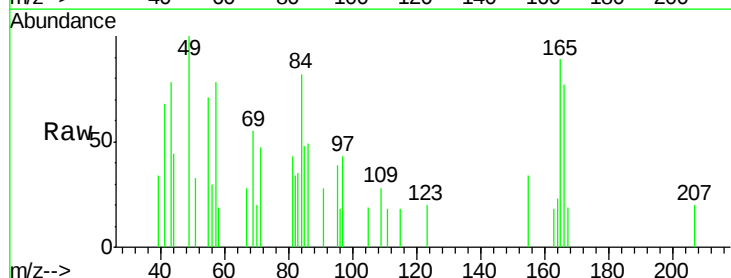
Tgt Ion:166 Resp: 2161

Ion Ratio Lower Upper

166 100

165 115.5 78.6 117.8

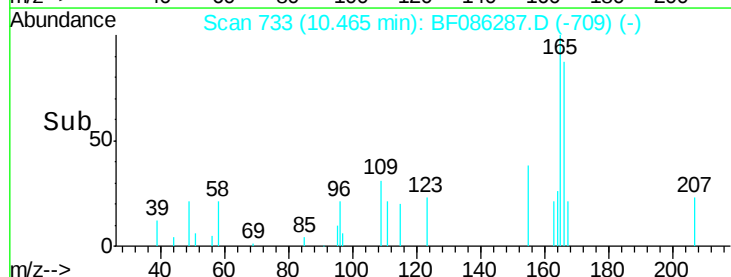
167 24.6 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E

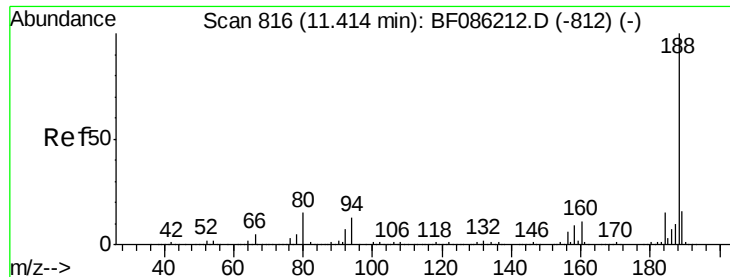
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

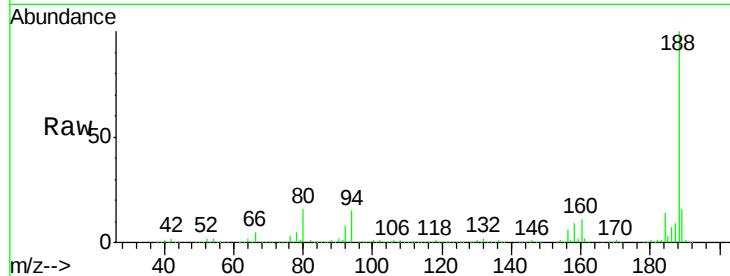
10.40 10.45 10.50



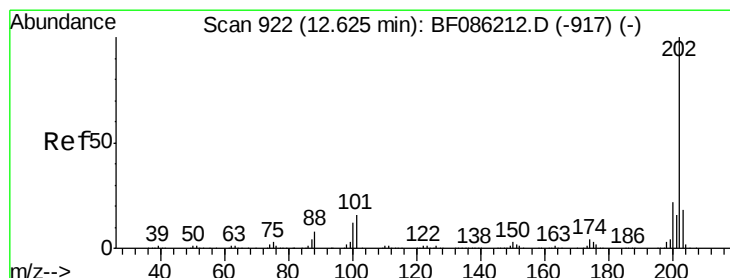
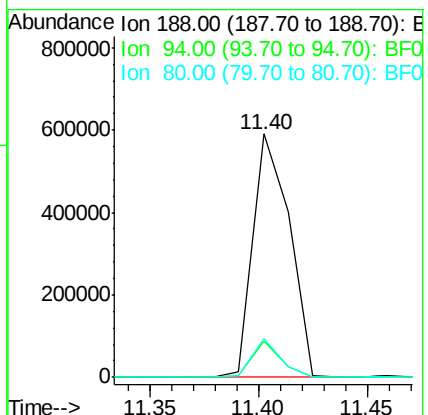
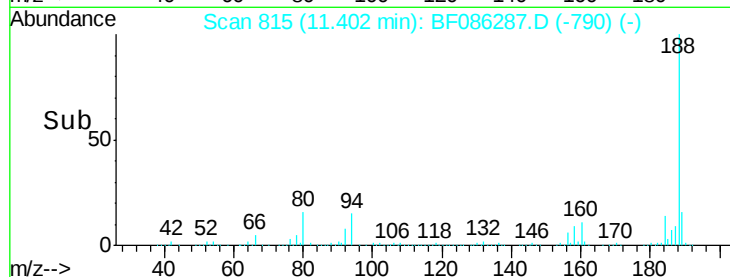
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF086287.D
Acq: 18 Apr 2016 17:42

Instrument :
BNA_F
ClientSampleId :
SP-2-F-6(0-2)

Tgt Ion:188 Resp: 692685
Ion Ratio Lower Upper
188 100
94 15.1 9.8 14.8#
80 16.1 10.5 15.7#

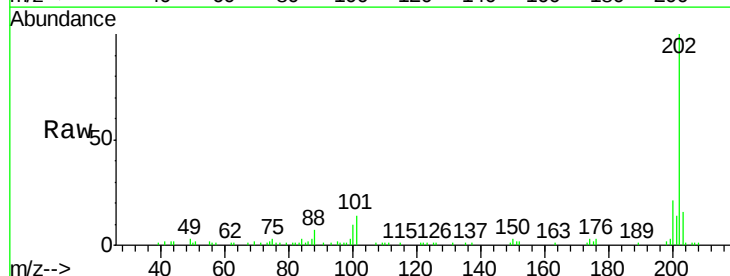


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

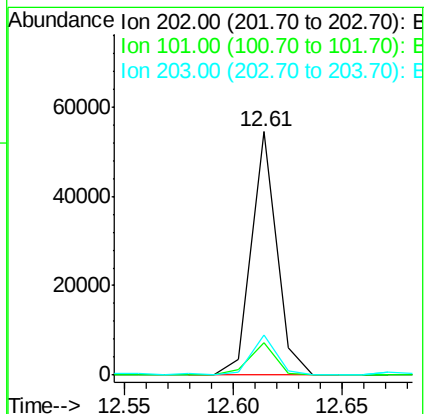
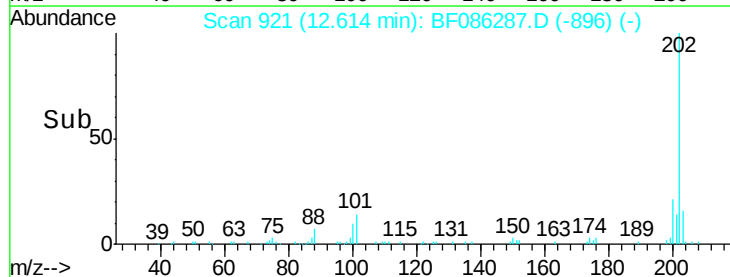


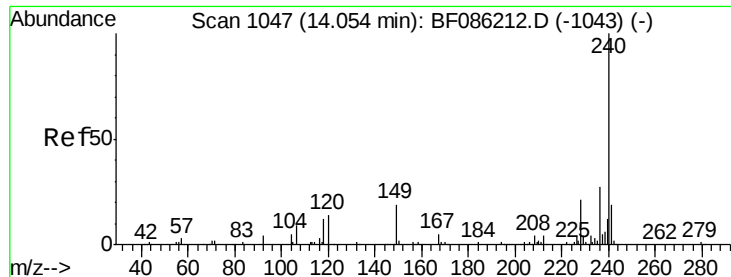
#74
Fluoranthene
Concen: Below Cal
RT: 12.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF086287.D
Acq: 18 Apr 2016 17:42

Tgt Ion:202 Resp: 43968
Ion Ratio Lower Upper
202 100
101 13.5 0.0 35.2
203 16.4 0.0 38.2



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: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086287.D

Acq: 18 Apr 2016 17:42

Instrument :

BNA_F

ClientSampleId :

SP-2-F-6(0-2)

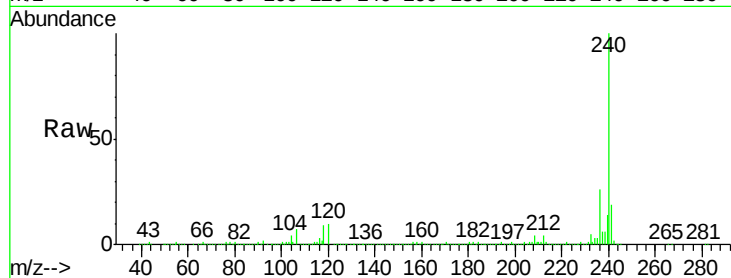
Tgt Ion:240 Resp: 513901

Ion Ratio Lower Upper

240 100

120 10.4 9.3 13.9

236 25.9 21.1 31.7



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

600000

500000

400000

300000

200000

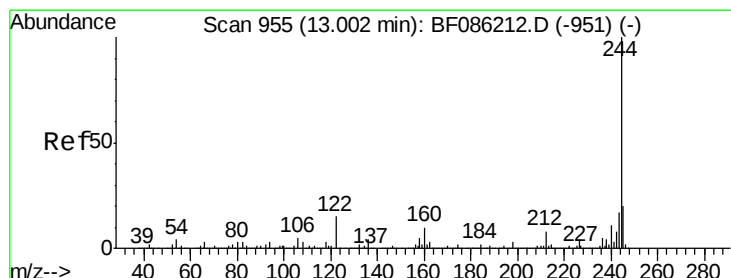
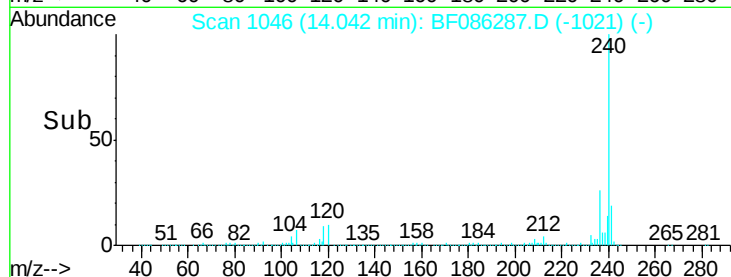
100000

0

14.04

14.00 14.10 14.20

Time-->



#78

Terphenyl-d14

Concen: 13.11 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF086287.D

Acq: 18 Apr 2016 17:42

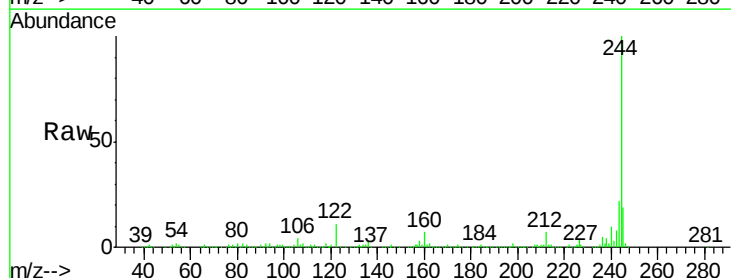
Tgt Ion:244 Resp: 267982

Ion Ratio Lower Upper

244 100

212 6.8 6.4 9.6

122 11.0 11.7 17.5#



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

400000

300000

200000

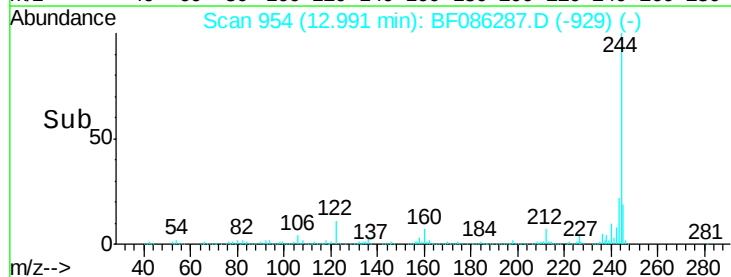
100000

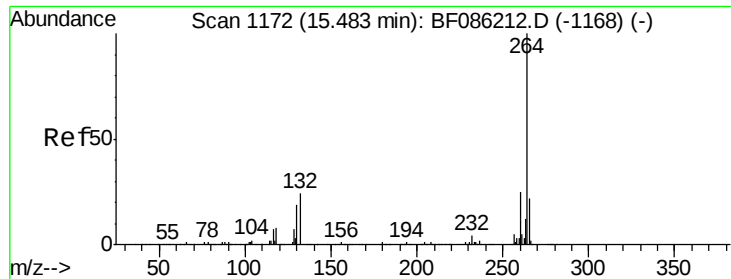
0

12.99

12.95 13.00 13.05

Time-->

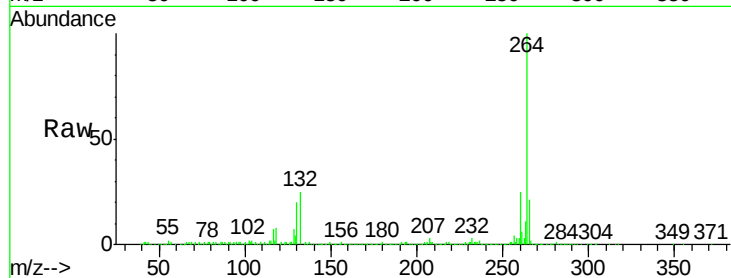




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF086287.D
Acq: 18 Apr 2016 17:42

Instrument :
BNA_F
ClientSampleId :
SP-2-F-6(0-2)

Tgt Ion: 264 Resp: 462014
Ion Ratio Lower Upper
264 100
260 24.9 20.0 30.0
265 21.3 17.4 26.0



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

