

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087830.D
 Acq On : 9 Jun 2016 1:14
 Operator : UM/SJ
 Sample : H3399-09 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Quant Time: Jun 09 05:28:39 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

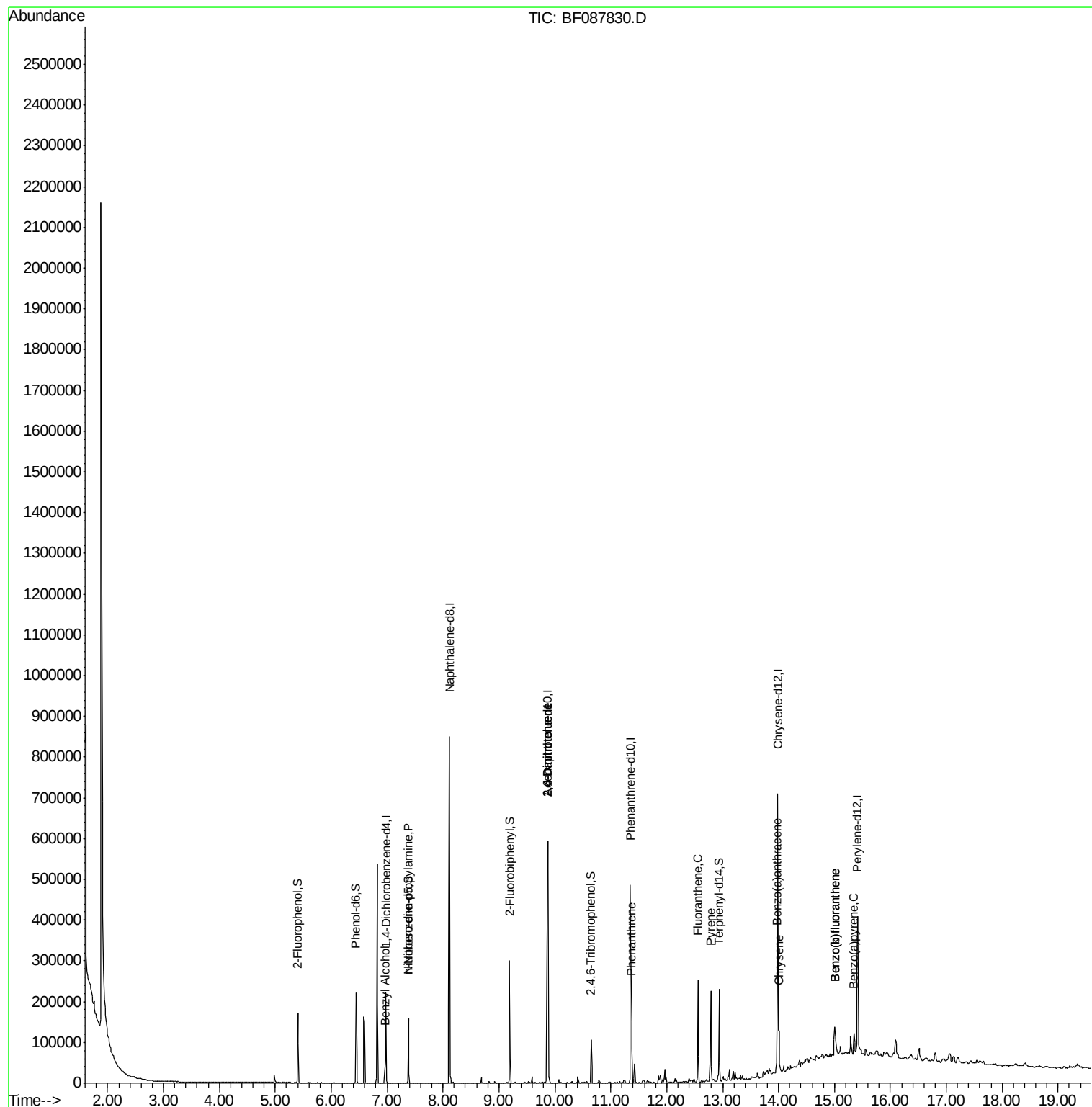
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	34111	20.00	ng	0.14
21) Naphthalene-d8	8.11	136	372478	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	141951	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	223977	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	210784	20.00	ng	0.00
86) Perylene-d12	15.42	264	155464	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	58144	29.14	ng	-0.02
7) Phenol-d6	6.44	99	78543	32.48	ng	-0.03
23) Nitrobenzene-d5	7.38	82	45993	7.21	ng	-0.03
41) 2,4,6-Tribromophenol	10.65	330	13300	8.87	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	92613	5.04	ng	-0.02
78) Terphenyl-d14	12.94	244	65514	7.07	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	6.96	79	7599	4.02	ng	97
19) n-Nitroso-di-n-propylamine	7.38	70	5969	3.86	ng	# 76
45) 1,1'-Biphenyl	9.29	154	580	Below Cal		89
50) 2,6-Dinitrotoluene	9.87	165	17815	7.57	ng	# 37
56) 2,4-Dinitrotoluene	9.87	165	17815	5.89	ng	# 36
57) Fluorene	10.41	166	5309	Below Cal		# 94
70) Phenanthrene	11.37	178	70056	5.96	ng	98
74) Fluoranthene	12.56	202	98237	7.92	ng	98
77) Pyrene	12.79	202	86485	5.53	ng	98
80) Benzo(a)anthracene	13.98	228	46820	3.90	ng	98
82) Chrysene	14.01	228	31557	2.79	ng	95
87) Benzo(b)fluoranthene	15.01	252	48615	4.49	ng	# 92
88) Benzo(k)fluoranthene	15.01	252	48615	5.95	ng	97
89) Benzo(a)pyrene	15.35	252	25645	2.93	ng	96

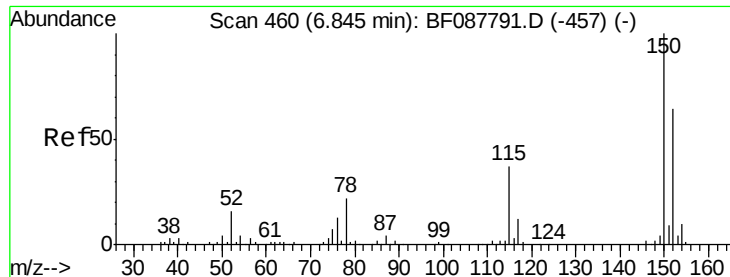
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

Instrument :

BNA_F

ClientSampleId :

DFTPP

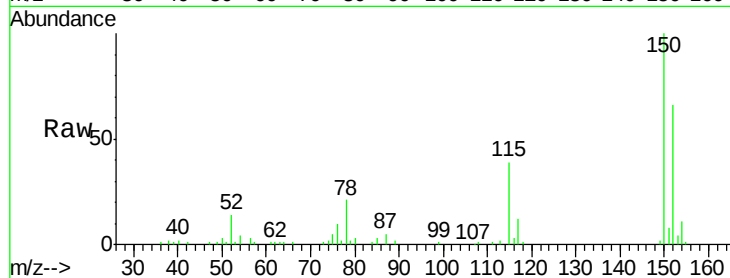
Tgt Ion:152 Resp: 34111

Ion Ratio Lower Upper

152 100

150 152.5 123.8 185.6

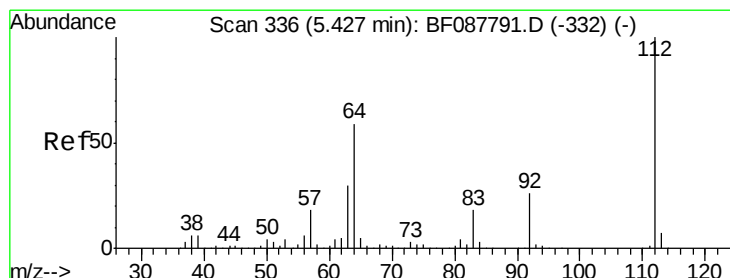
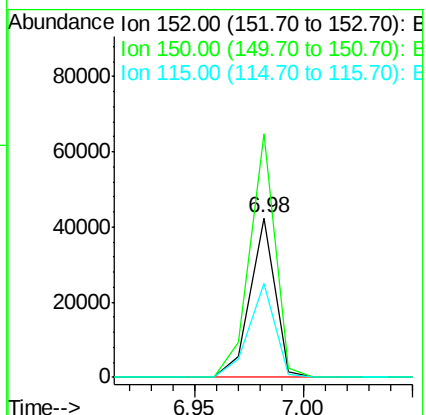
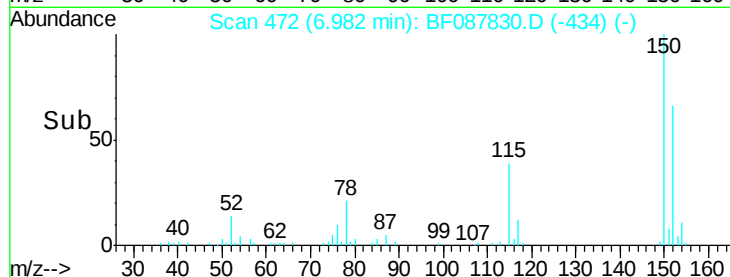
115 58.8 39.6 59.4



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: 29.14 ng

RT: 5.40 min Scan# 334

Delta R.T. -0.02 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

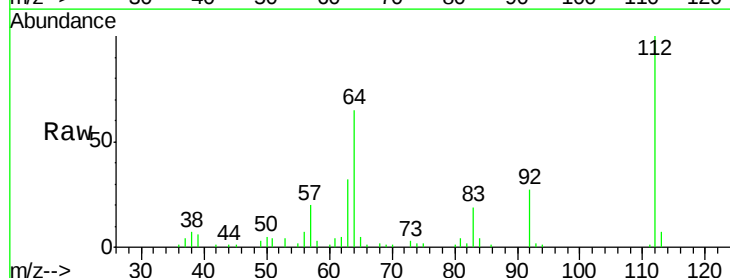
Tgt Ion:112 Resp: 58144

Ion Ratio Lower Upper

112 100

64 64.7 42.2 63.2#

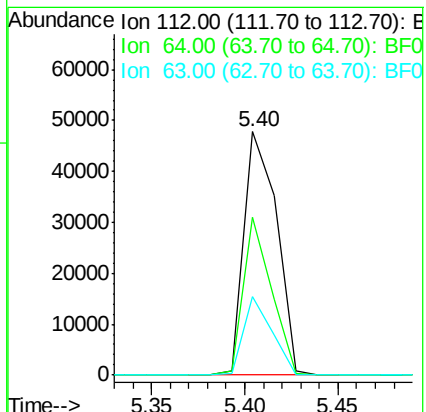
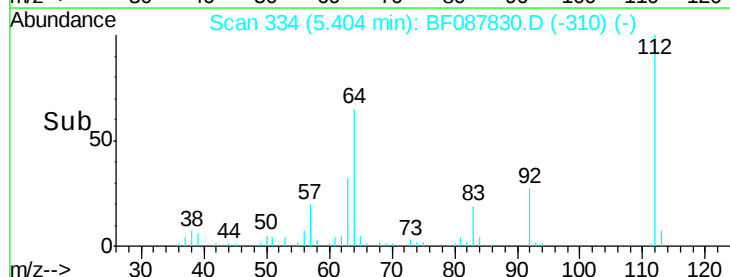
63 32.0 21.8 32.8

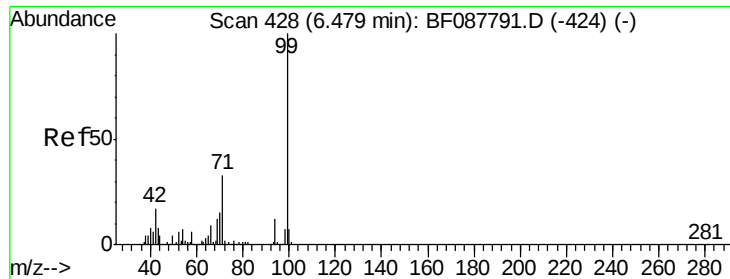


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.48 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

Instrument :

BNA_F

ClientSampleId :

DFTPP

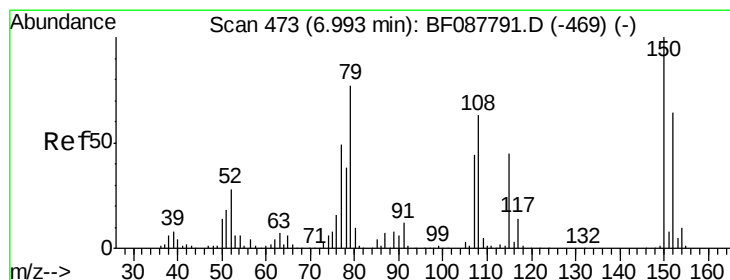
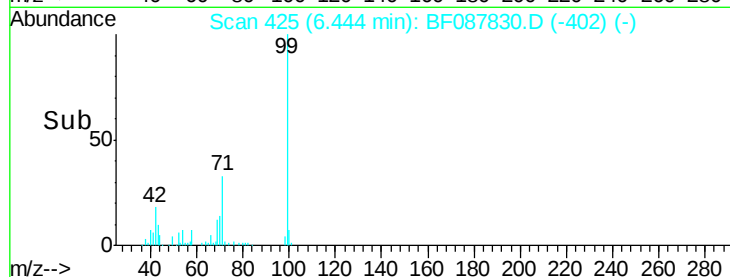
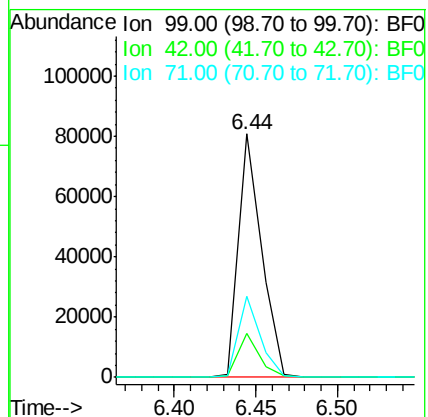
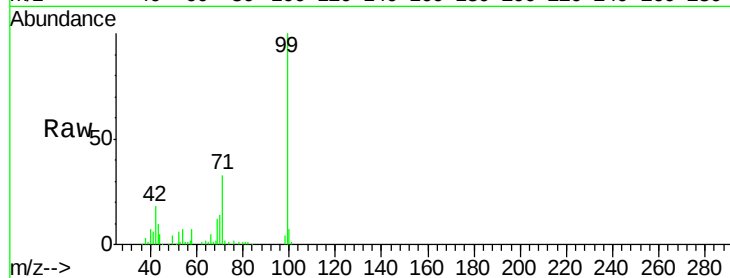
Tgt Ion: 99 Resp: 78543

Ion Ratio Lower Upper

99 100

42 18.2 12.2 18.2

71 33.5 23.4 35.0



#15

Benzyl Alcohol

Concen: 4.02 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.03 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

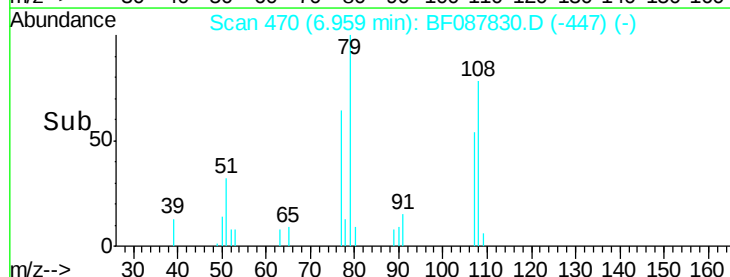
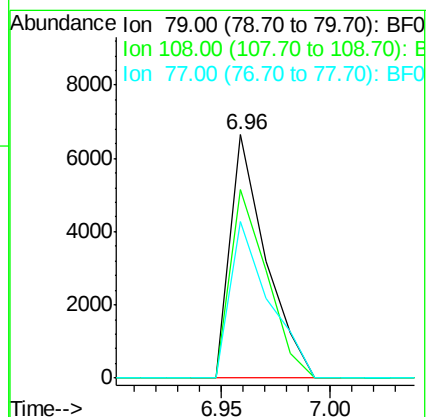
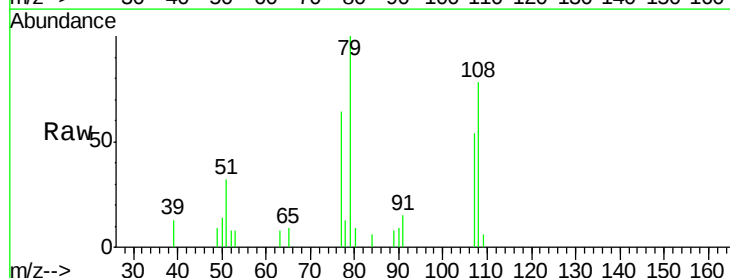
Tgt Ion: 79 Resp: 7599

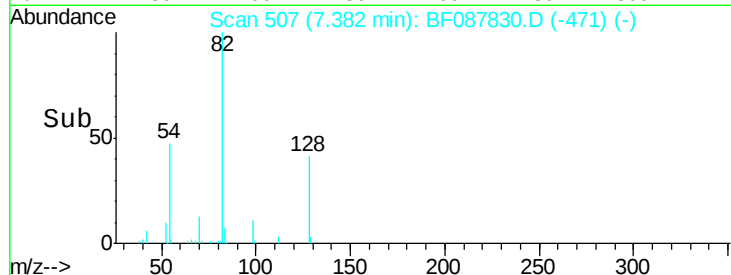
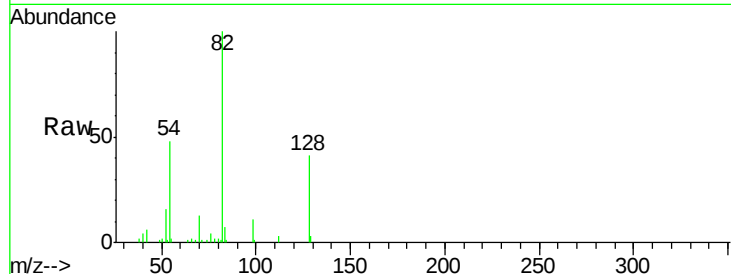
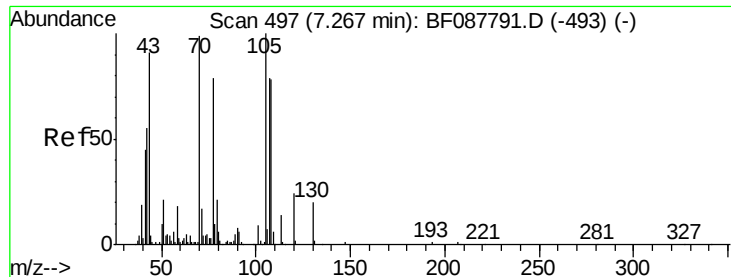
Ion Ratio Lower Upper

79 100

108 77.7 65.0 97.6

77 64.4 50.3 75.5

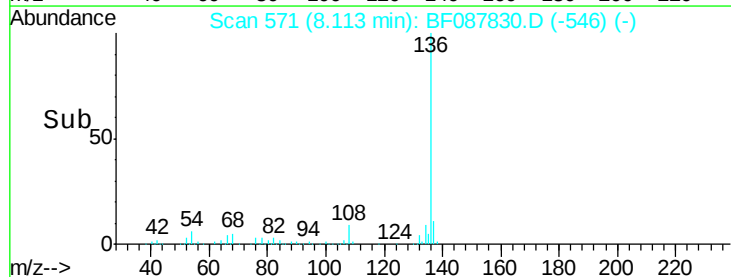
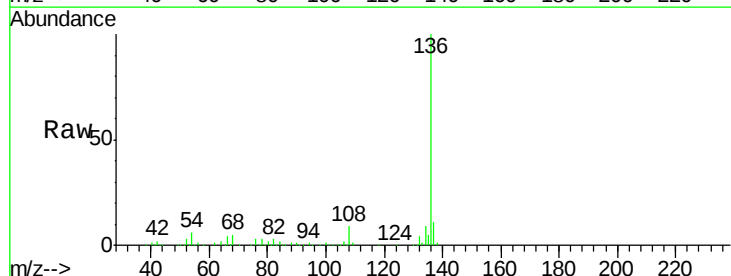
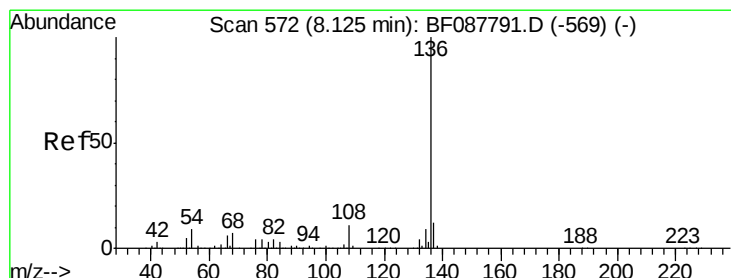
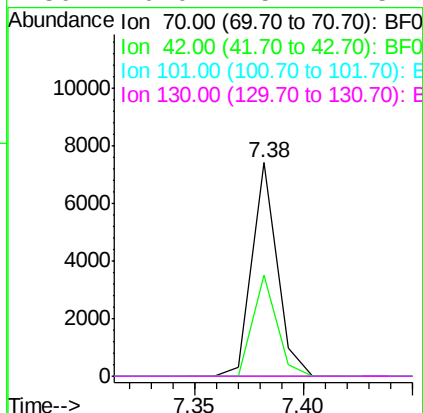




#19
n-Nitroso-di-n-propylamine
Concen: 3.86 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

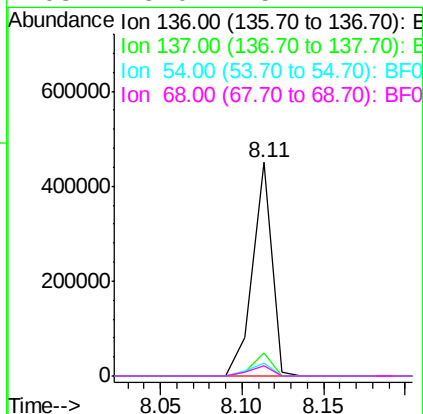
Instrument :
BNA_F
ClientSampleId :
DFTPP

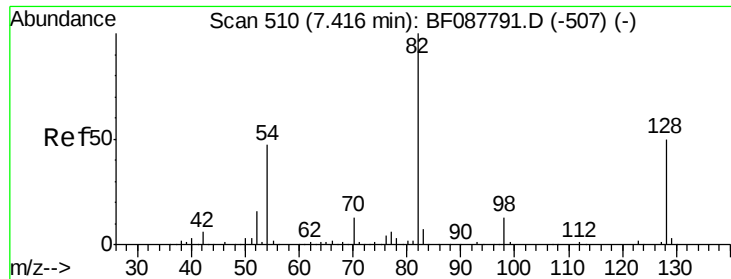
Tgt Ion:	70	Resp:	5969
Ion	Ratio	Lower	Upper
70	100		
42	47.6	49.6	74.4#
101	0.0	7.1	10.7#
130	0.0	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Tgt Ion:	136	Resp:	372478
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.2	6.6	10.0#
68	5.0	5.1	7.7#

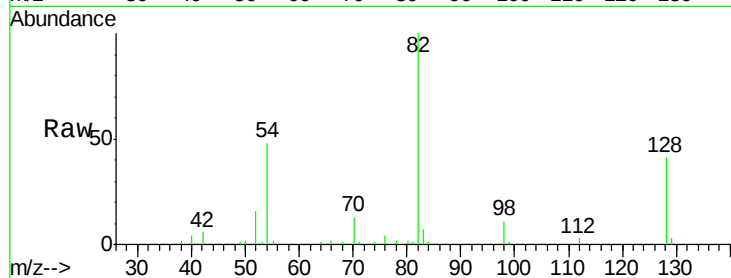




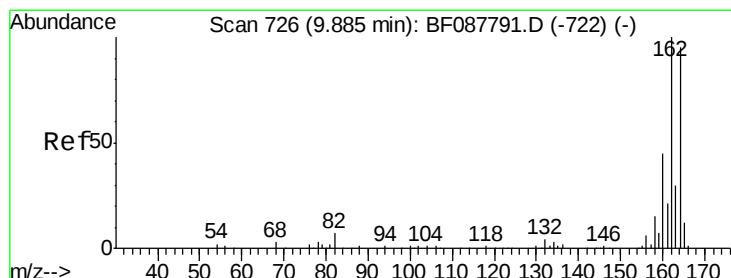
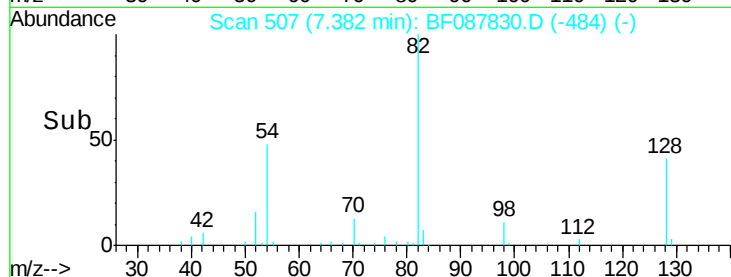
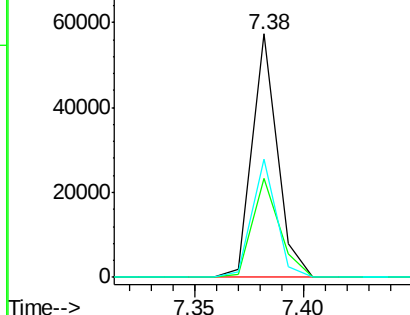
#23
 Nitrobenzene-d5
 Concen: 7.21 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Tgt Ion: 82 Resp: 45993
 Ion Ratio Lower Upper
 82 100
 128 40.9 35.9 53.9
 54 48.5 40.9 61.3

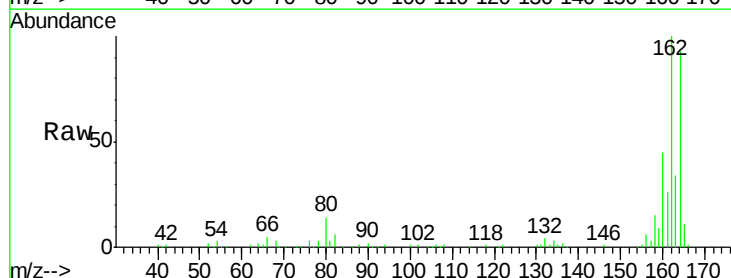


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

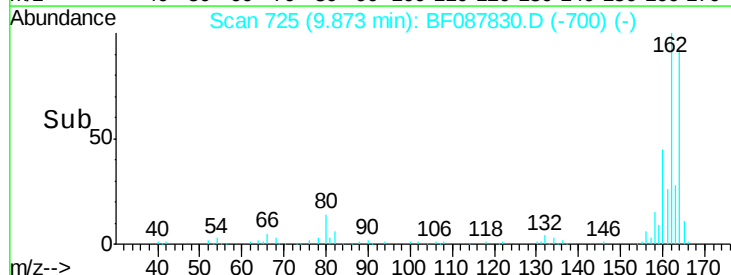
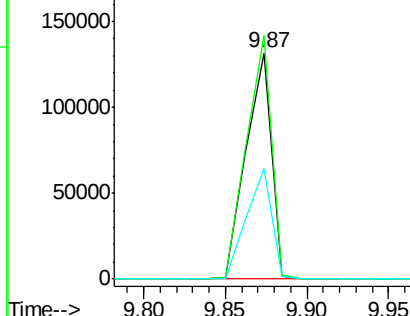


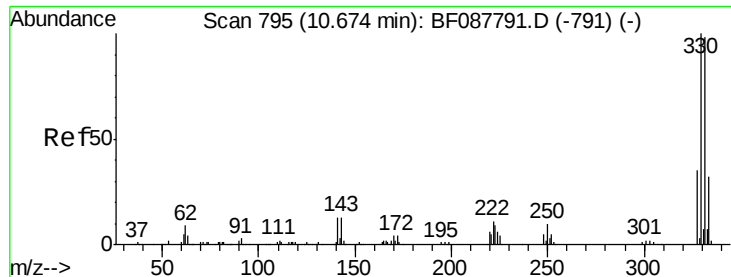
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

Tgt Ion: 164 Resp: 141951
 Ion Ratio Lower Upper
 164 100
 162 107.7 85.4 128.2
 160 48.7 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): B
 Ion 162.00 (161.70 to 162.70): B
 Ion 160.00 (159.70 to 160.70): B

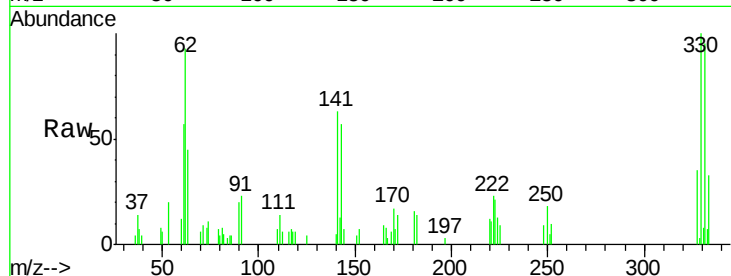




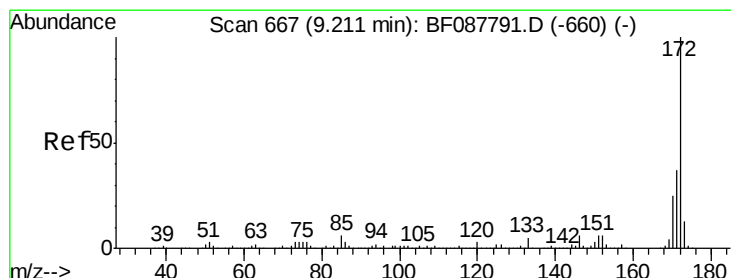
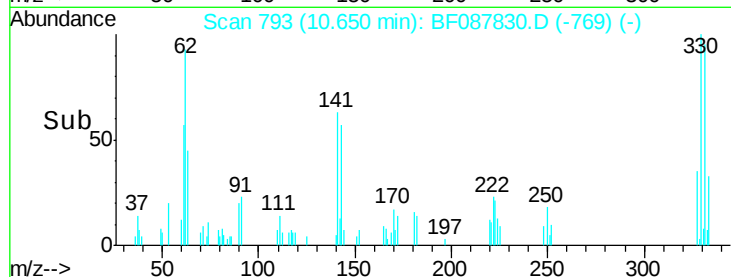
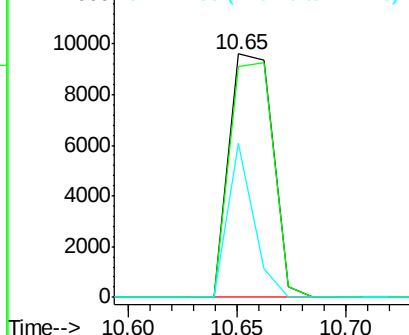
#41
 2,4,6-Tribromophenol
 Concen: 8.87 ng
 RT: 10.65 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Tgt Ion:330 Resp: 13300
 Ion Ratio Lower Upper
 330 100
 332 96.8 0.0 0.0#
 141 37.0 0.0 0.0#

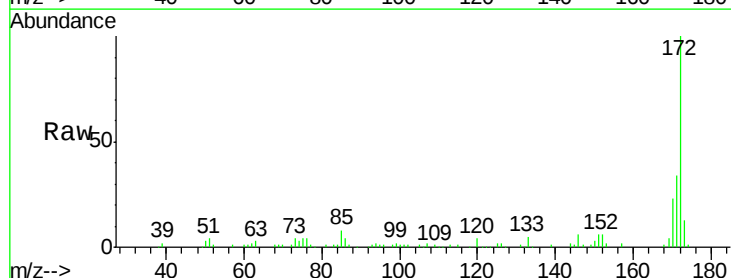


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

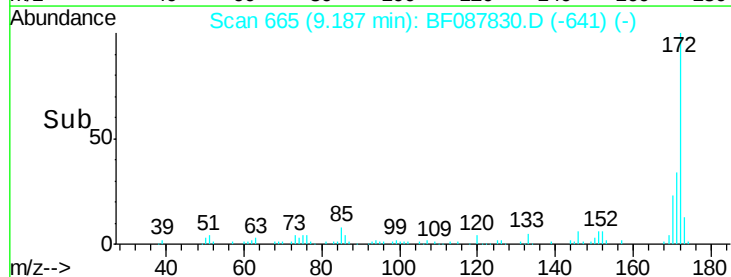
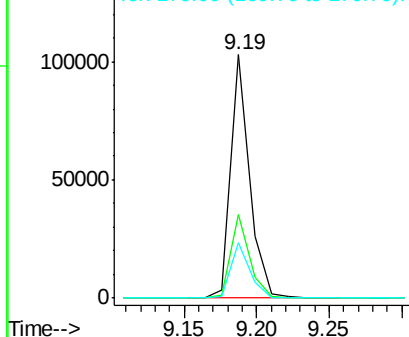


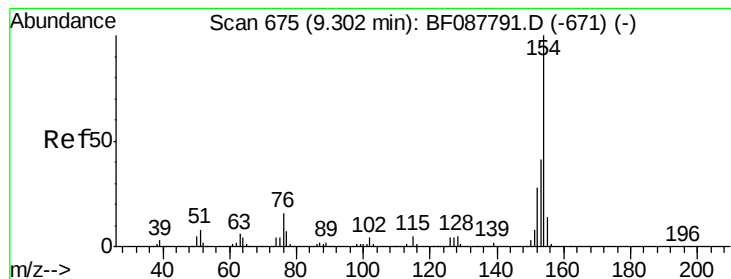
#44
 2-Fluorobiphenyl
 Concen: 5.04 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

Tgt Ion:172 Resp: 92613
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.6 43.0
 170 23.0 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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.29 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

Instrument :

BNA_F

ClientSampleId :

DFTPP

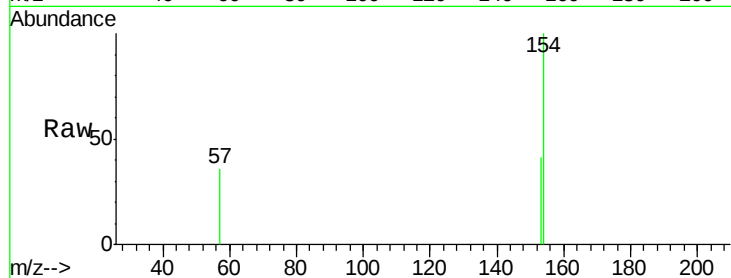
Tgt Ion:154 Resp: 580

Ion Ratio Lower Upper

154 100

153 41.5 20.6 60.6

76 0.0 0.0 35.1

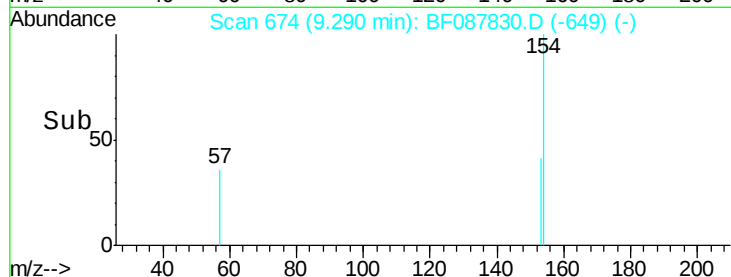


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

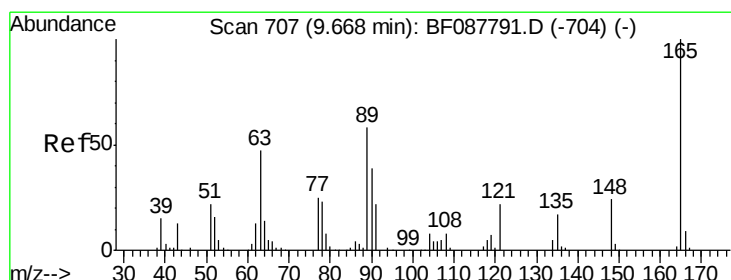
Ion 76.00 (75.70 to 76.70): BF0

Time-->



9.29

Time-->



#50

2,6-Dinitrotoluene

Concen: 7.57 ng

RT: 9.87 min Scan# 725

Delta R.T. 0.21 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

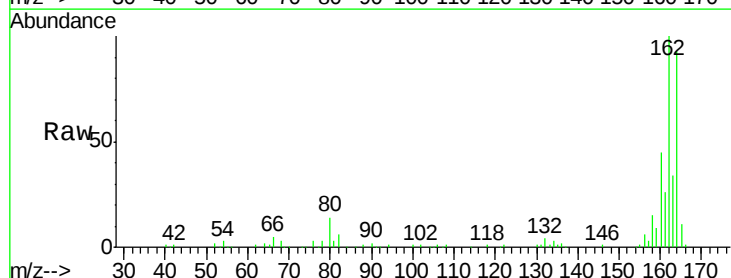
Tgt Ion:165 Resp: 17815

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

89 0.0 32.2 48.2#

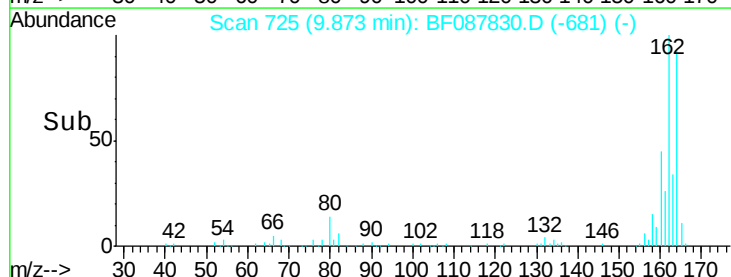


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

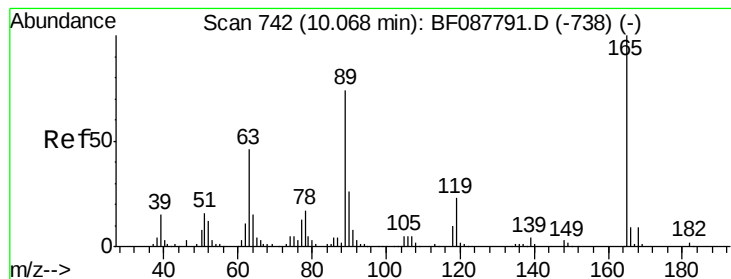
Ion 89.00 (88.70 to 89.70): BF0

Time-->



9.87

Time-->



#56

2,4-Dinitrotoluene

Concen: 5.89 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

Instrument :

BNA_F

ClientSampleId :

DFTPP

Tgt Ion:165 Resp: 17815

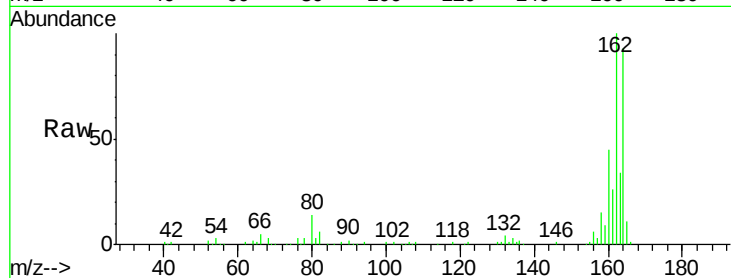
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

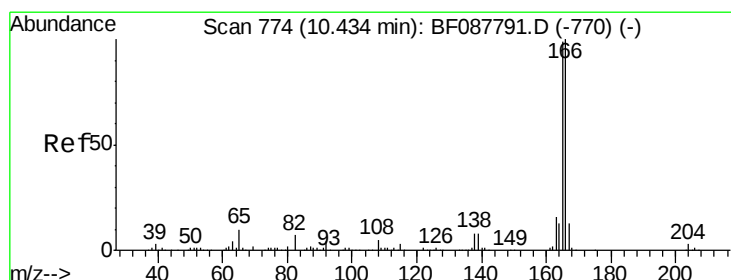
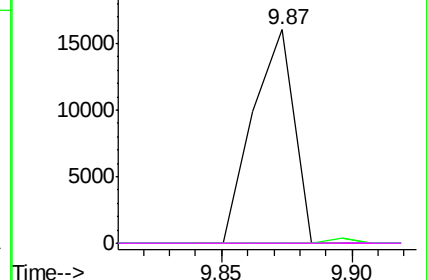
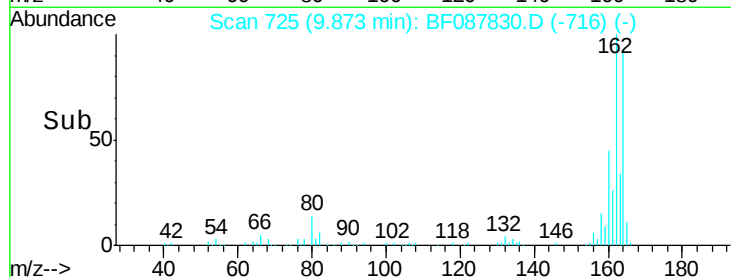


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: Below Cal

RT: 10.41 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

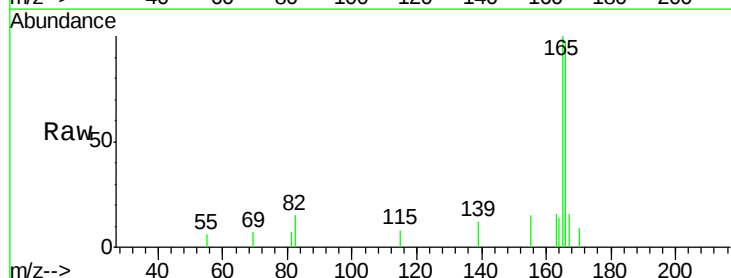
Tgt Ion:166 Resp: 5309

Ion Ratio Lower Upper

166 100

165 102.7 77.8 116.8

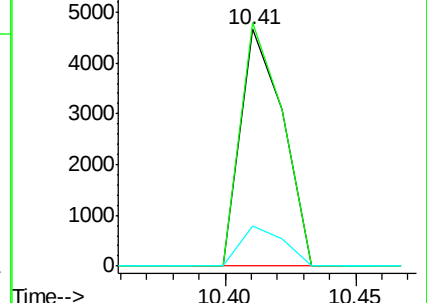
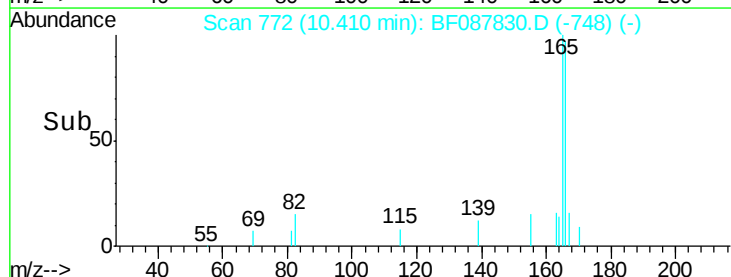
167 16.9 11.2 16.8#

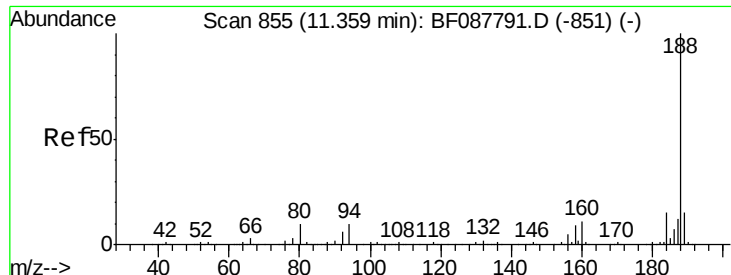


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

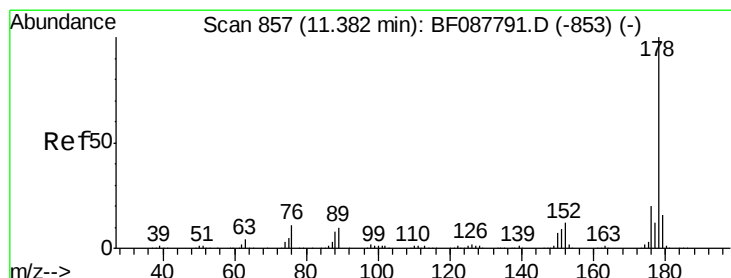
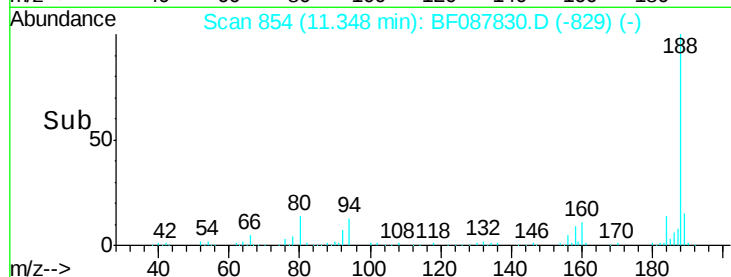
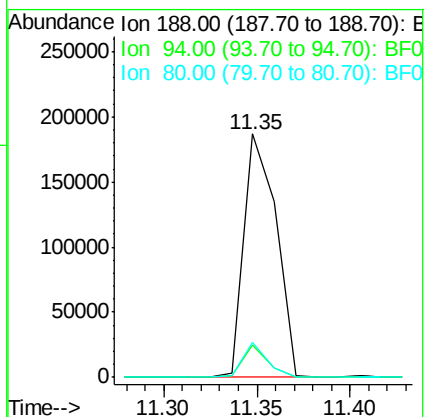
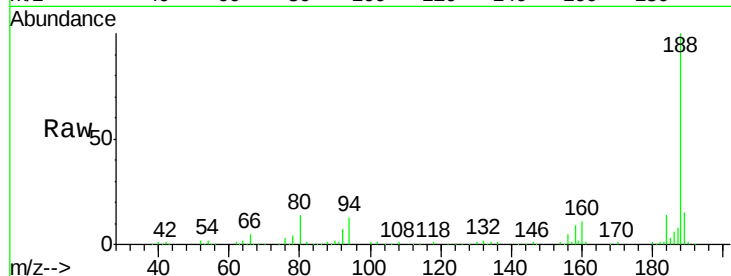




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

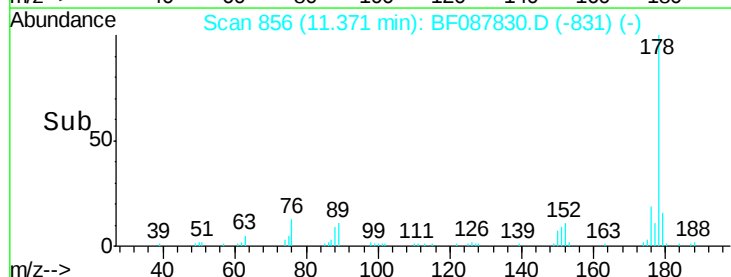
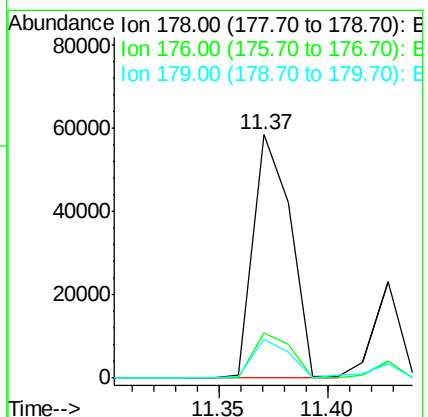
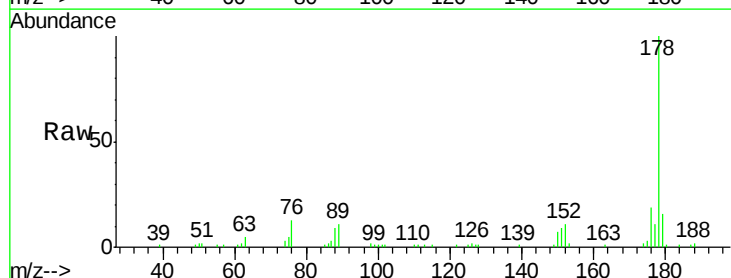
Instrument :
BNA_F
ClientSampleId :
DFTPP

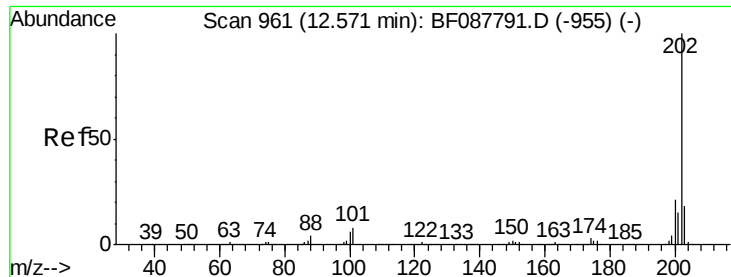
Tgt Ion:188 Resp: 223977
Ion Ratio Lower Upper
188 100
94 13.3 9.0 13.6
80 14.1 10.0 15.0



#70
Phenanthrene
Concen: 5.96 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Tgt Ion:178 Resp: 70056
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.8 13.0 19.4

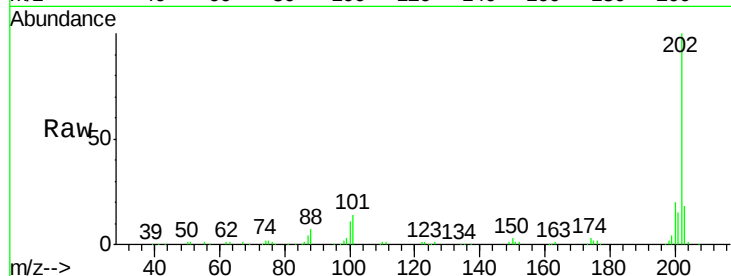




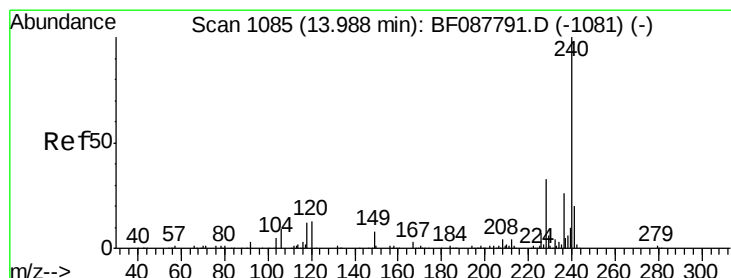
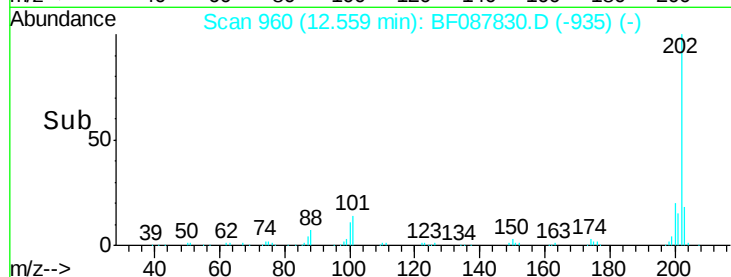
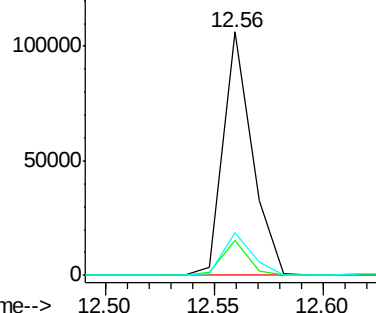
#74
 Fluoranthene
 Concen: 7.92 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.1
203	17.7	0.0	38.1

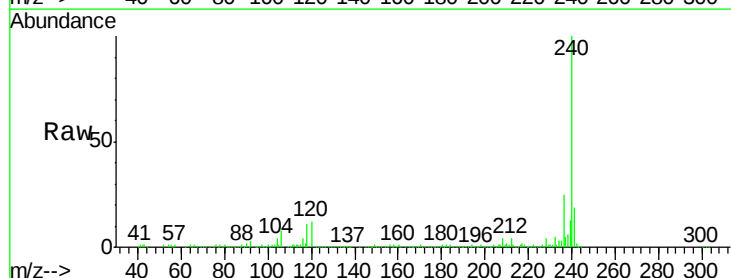


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

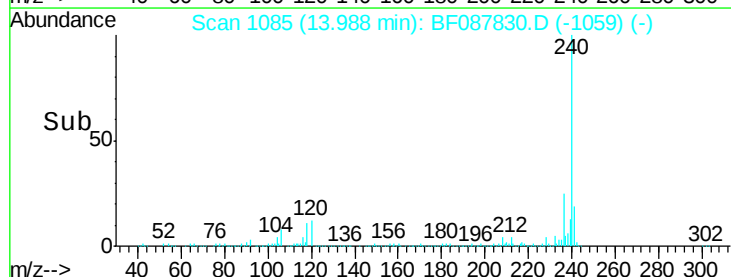
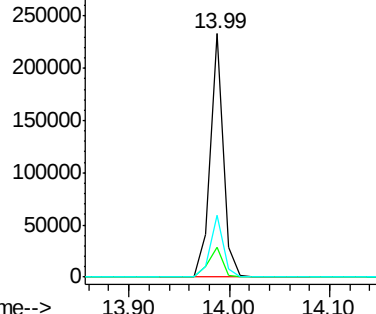


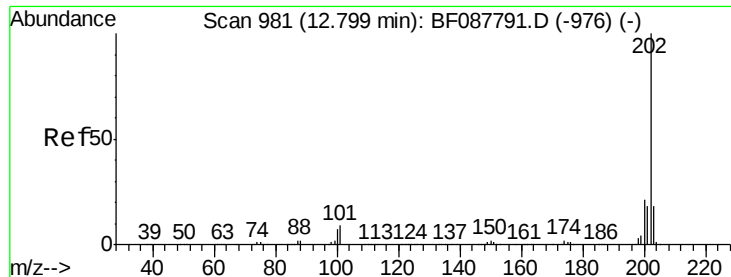
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	6.8	10.2#
236	25.4	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

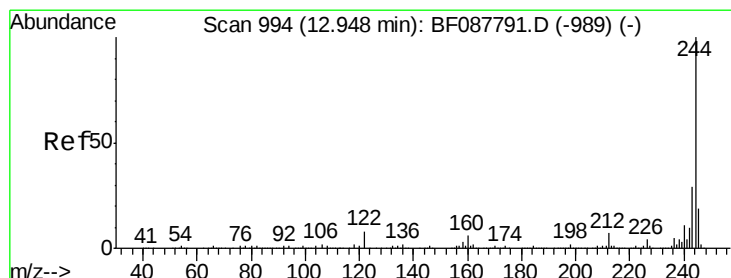
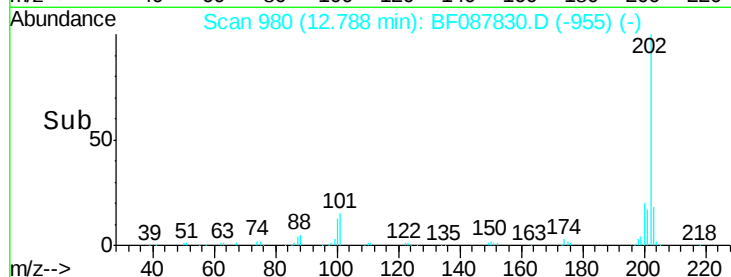
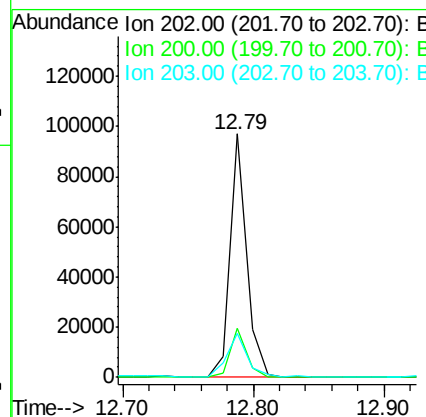
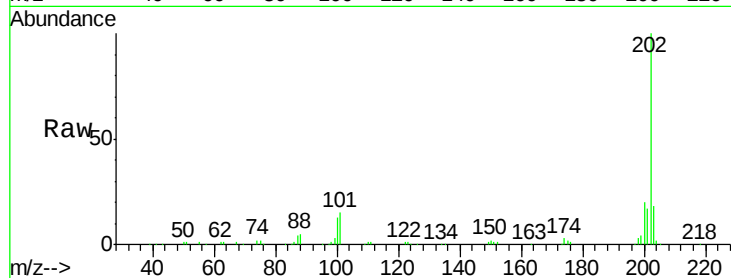




#77
 Pyrene
 Concen: 5.53 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

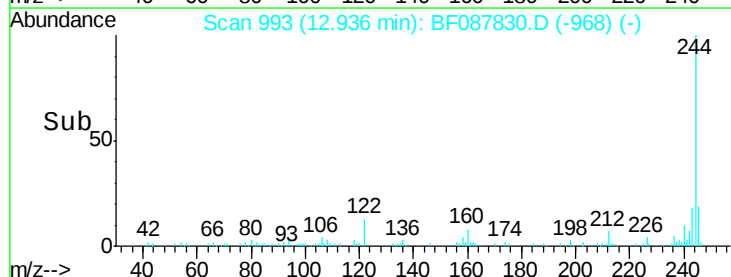
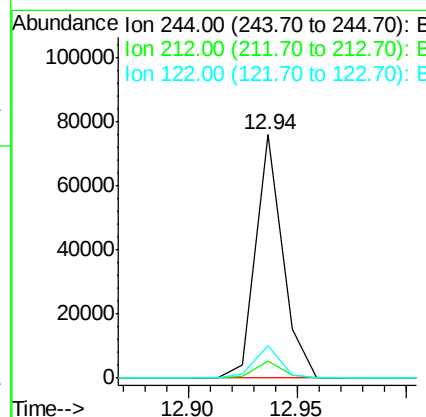
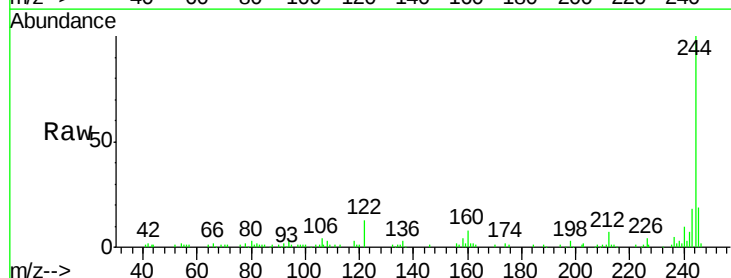
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

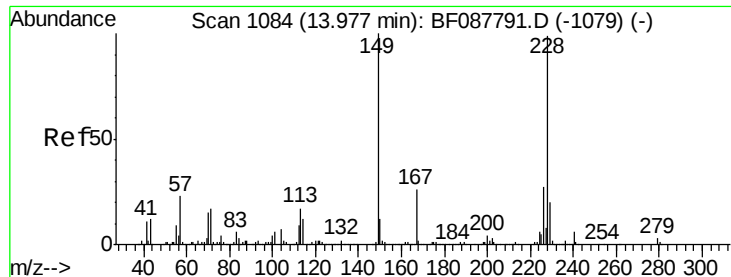
Tgt Ion: 202 Resp: 86485
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.4 26.2
 203 18.2 14.5 21.7



#78
 Terphenyl-d14
 Concen: 7.07 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087830.D
 Acq: 9 Jun 2016 1:14

Tgt Ion: 244 Resp: 65514
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 13.2 11.2 16.8





#80

Benzo(a)anthracene

Concen: 3.90 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

Instrument :

BNA_F

ClientSampleId :

DFTPP

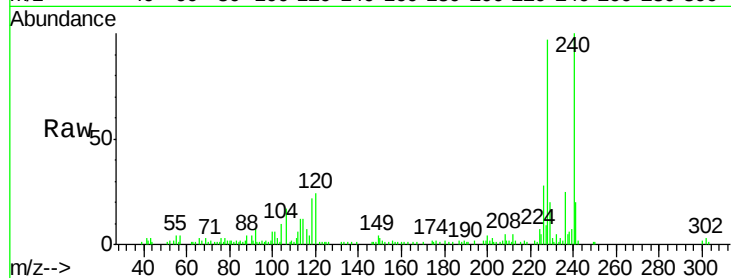
Tgt Ion:228 Resp: 46820

Ion Ratio Lower Upper

228 100

226 28.7 22.3 33.5

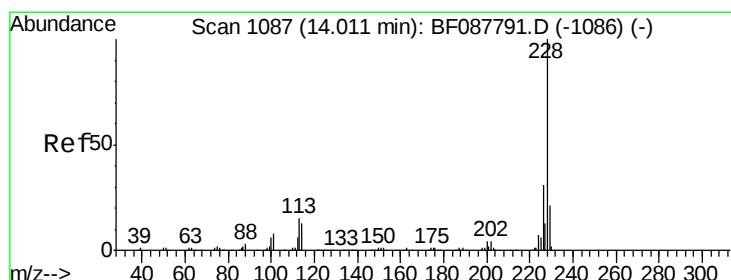
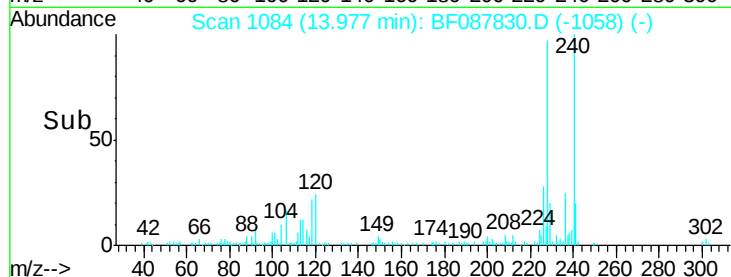
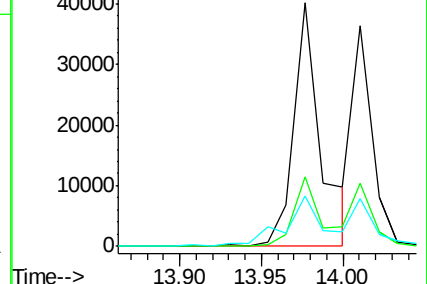
229 20.7 16.0 24.0



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: 2.79 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BF087830.D

Acq: 9 Jun 2016 1:14

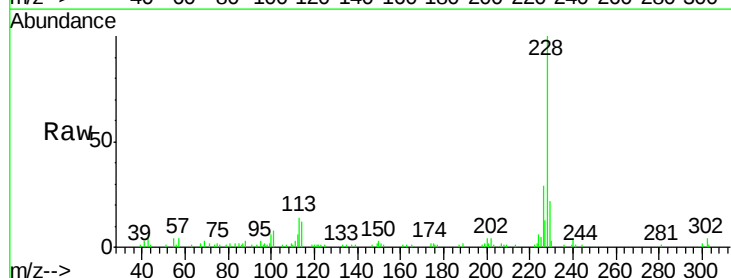
Tgt Ion:228 Resp: 31557

Ion Ratio Lower Upper

228 100

226 28.8 25.4 38.2

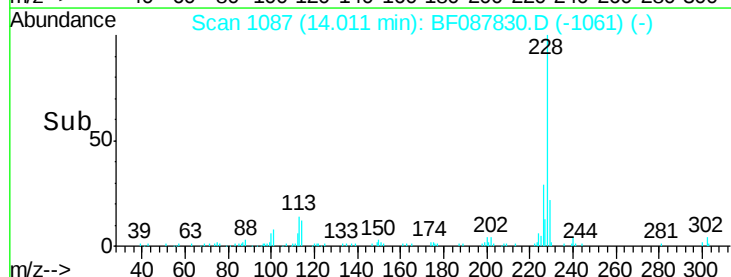
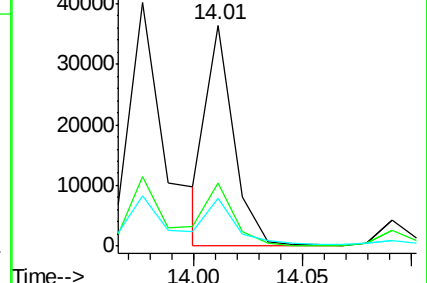
229 21.9 16.3 24.5

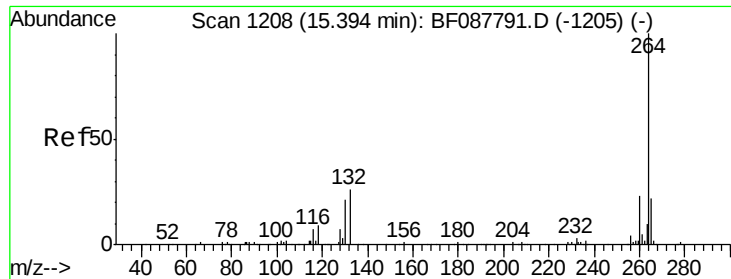


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

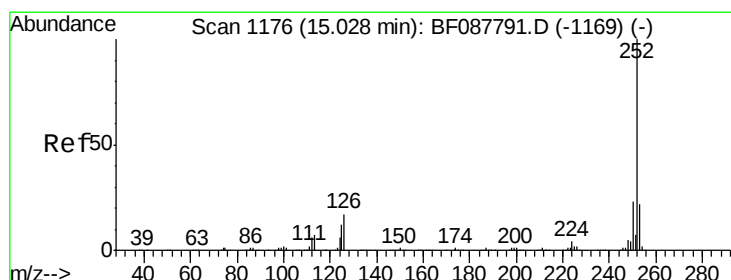
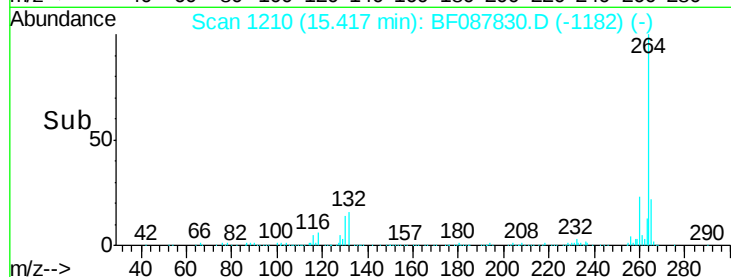
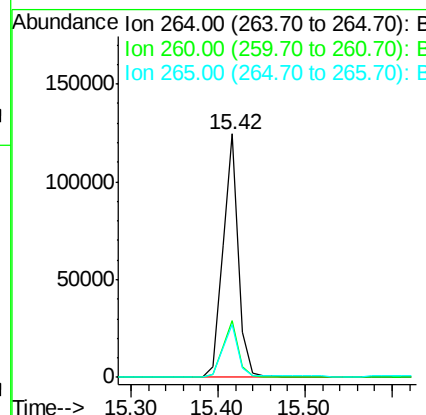
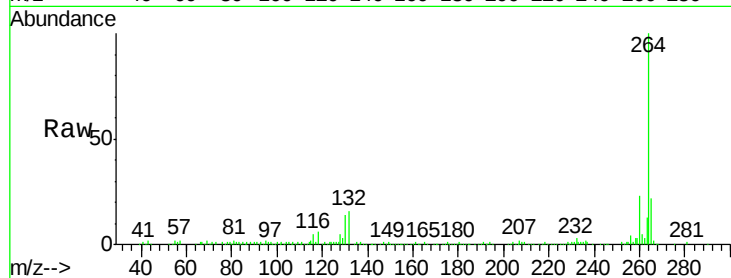




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

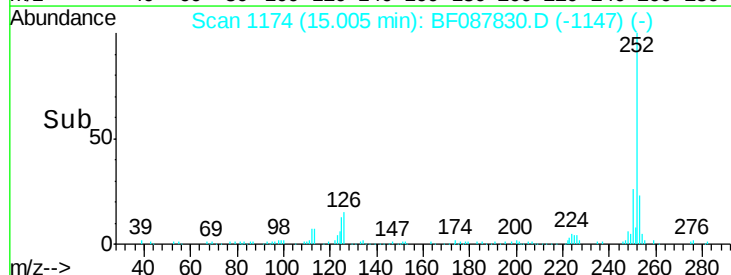
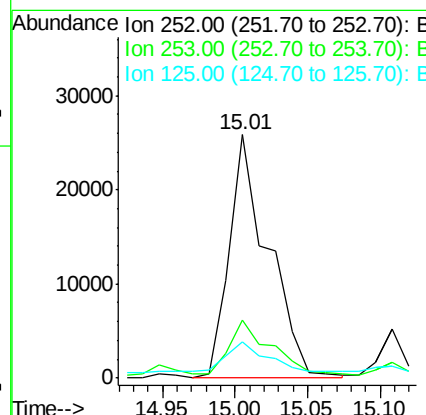
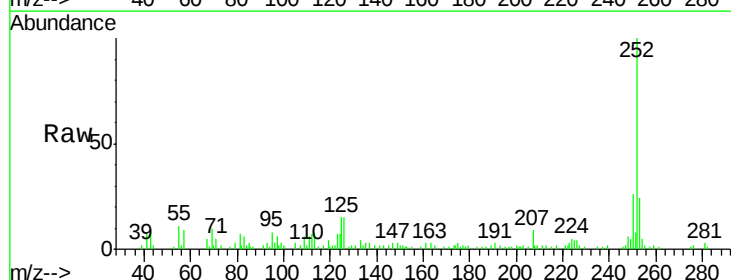
Instrument :
BNA_F
ClientSampleId :
DFTPP

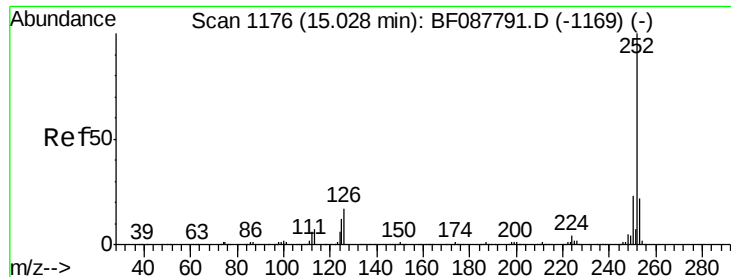
Tgt Ion:264 Resp: 155464
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.7 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 4.49 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Tgt Ion:252 Resp: 48615
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 15.0 7.1 10.7#

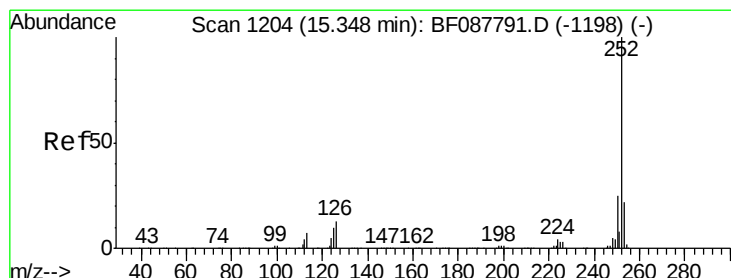
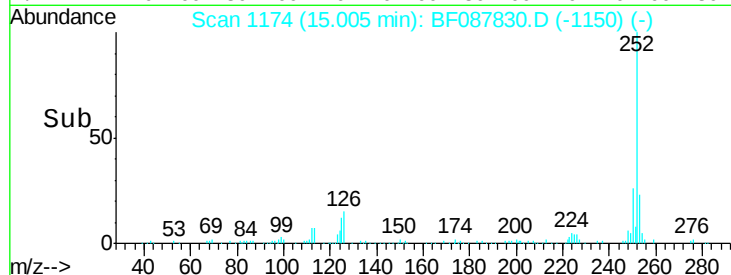
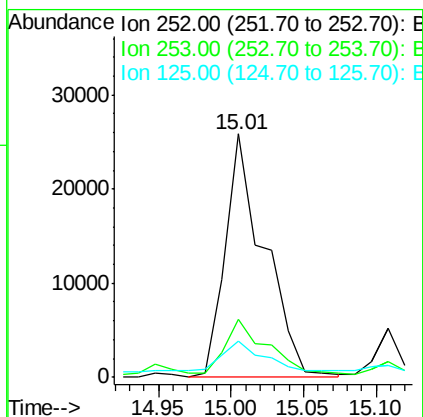
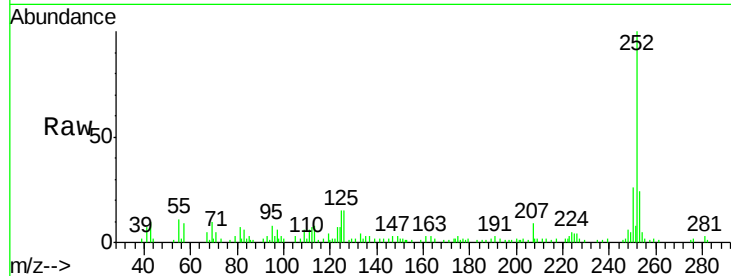




#88
Benzo(k)fluoranthene
Concen: 5.95 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:252 Resp: 48615
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 15.0 11.2 16.8



#89
Benzo(a)pyrene
Concen: 2.93 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF087830.D
Acq: 9 Jun 2016 1:14

Tgt Ion:252 Resp: 25645
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 16.8 12.5 18.7

