

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088355.D
 Acq On : 25 Jun 2016 2:38
 Operator : UM/SJ
 Sample : H3644-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-2

Quant Time: Jun 25 03:47:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

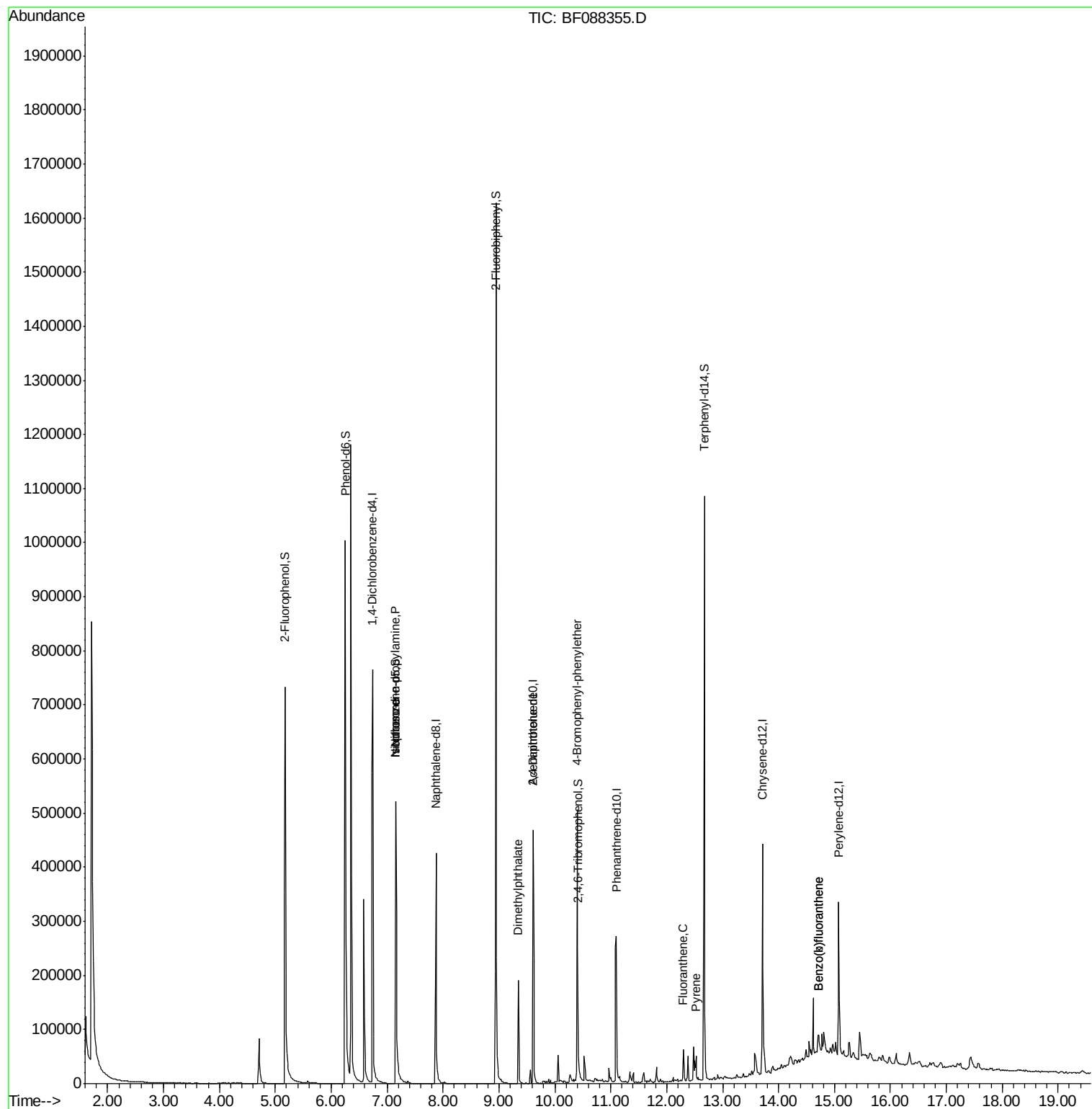
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	190066	20.00	ng	0.14
21) Naphthalene-d8	7.87	136	282438	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	114932	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	170146	20.00	ng	-0.02
75) Chrysene-d12	13.71	240	153162	20.00	ng	-0.03
86) Perylene-d12	15.07	264	119892	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	368998	33.19	ng	0.00
7) Phenol-d6	6.25	99	491625	36.49	ng	-0.01
23) Nitrobenzene-d5	7.15	82	275171	56.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	76638	63.15	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	538619	72.83	ng	-0.02
78) Terphenyl-d14	12.67	244	359938	53.48	ng	-0.02
Target Compounds						
10) Phenol	6.35	94	569	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.15	70	34035	3.95 ng	#	73
25) Isophorone	7.15	82	278243	31.06 ng	#	65
45) 1,1'-Biphenyl	8.95	154	695	Below Cal	#	1
49) Dimethylphthalate	9.35	163	84970	10.21 ng		98
56) 2,4-Dinitrotoluene	9.61	165	14029	5.73 ng	#	36
57) Fluorene	10.16	166	560	Below Cal	#	86
66) 4-Bromophenyl-phenylether	10.40	248	4842	2.65 ng	#	1
74) Fluoranthene	12.30	202	25598	2.72 ng		99
77) Pyrene	12.52	202	24220	2.13 ng		96
87) Benzo(b)fluoranthene	14.71	252	25659	3.07 ng	#	88
88) Benzo(k)fluoranthene	14.71	252	25659	4.07 ng	#	93

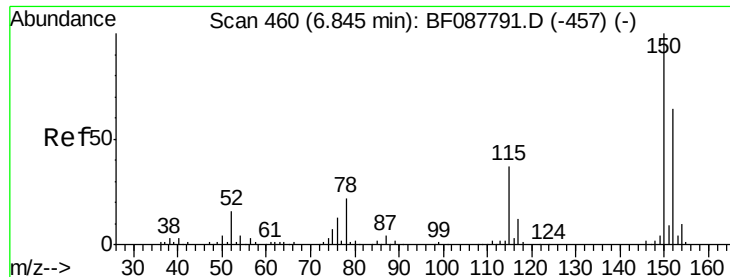
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. 0.14 min

Lab File: BF088355.D

Acq: 25 Jun 2016 2:38

Instrument :

BNA_F

ClientSampleId :

CF-2

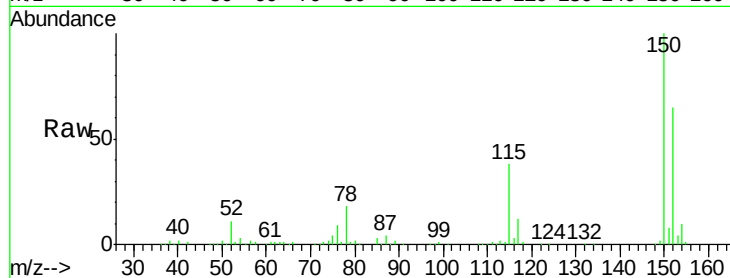
Tgt Ion:152 Resp: 190066

Ion Ratio Lower Upper

152 100

150 152.7 123.8 185.6

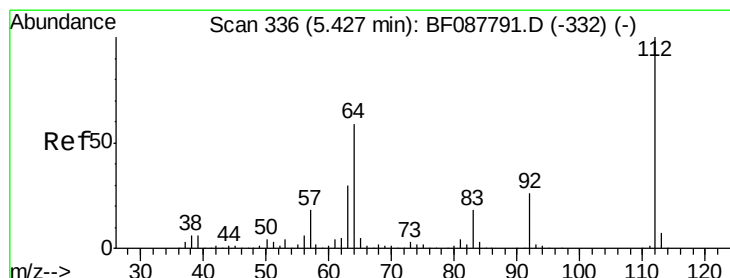
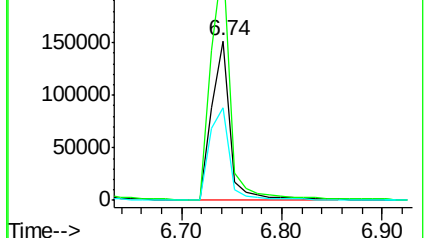
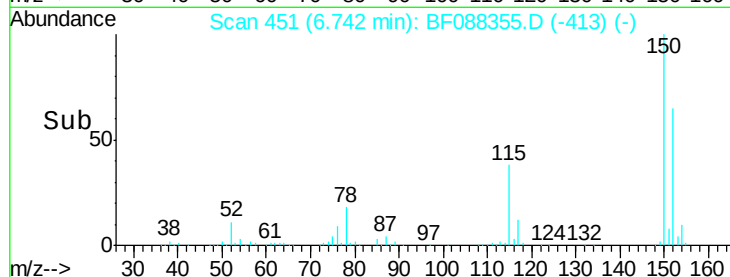
115 58.0 39.6 59.4



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: 33.19 ng

RT: 5.18 min Scan# 314

Delta R.T. 0.00 min

Lab File: BF088355.D

Acq: 25 Jun 2016 2:38

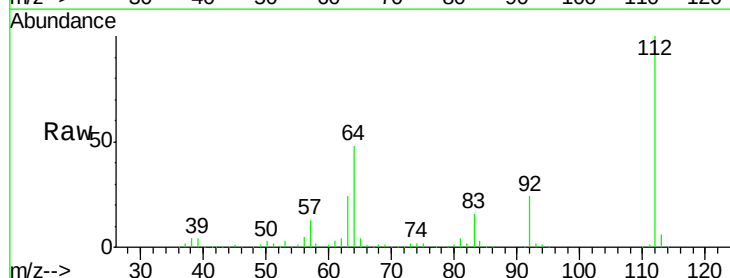
Tgt Ion:112 Resp: 368998

Ion Ratio Lower Upper

112 100

64 47.7 42.2 63.2

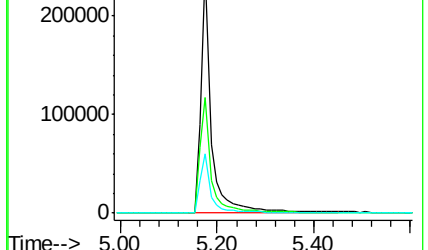
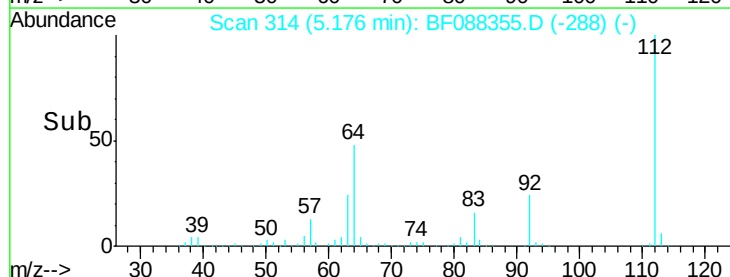
63 24.2 21.8 32.8

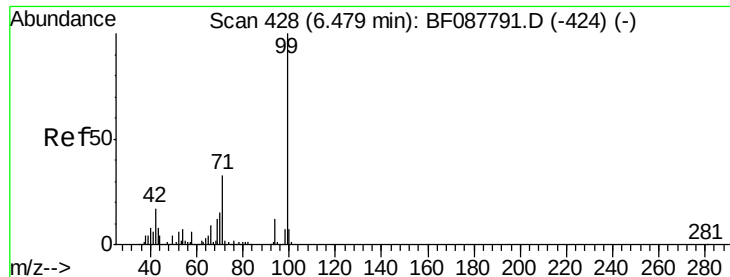


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.49 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088355.D

Acq: 25 Jun 2016 2:38

Instrument :

BNA_F

ClientSampled :

CF-2

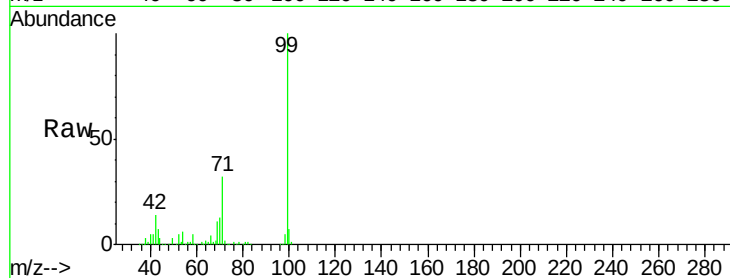
Tgt Ion: 99 Resp: 491625

Ion Ratio Lower Upper

99 100

42 14.0 12.2 18.2

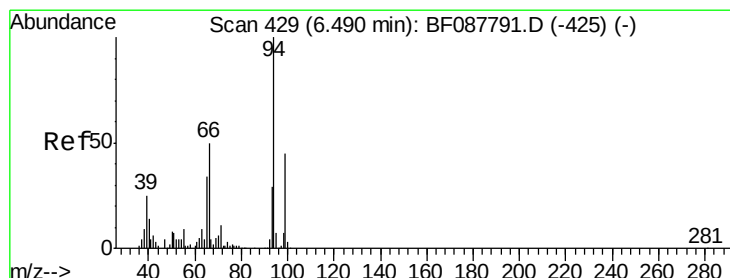
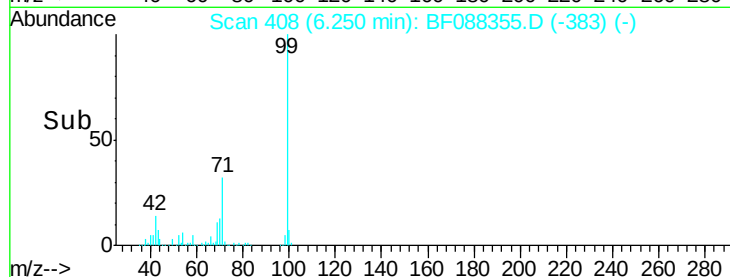
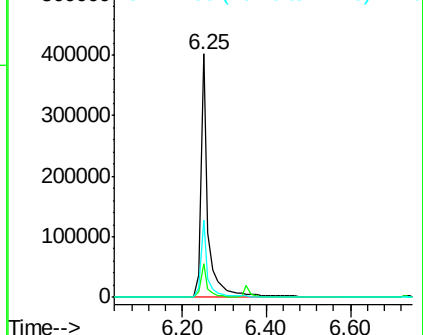
71 31.7 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.35 min Scan# 417

Delta R.T. 0.08 min

Lab File: BF088355.D

Acq: 25 Jun 2016 2:38

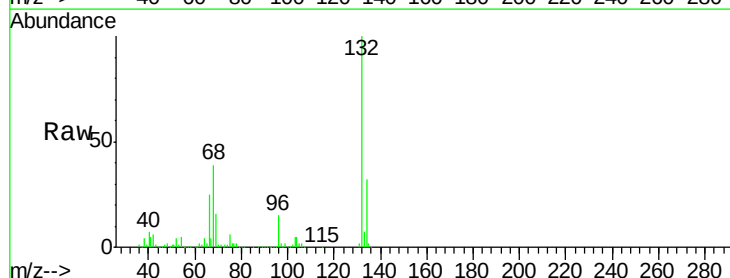
Tgt Ion: 94 Resp: 569

Ion Ratio Lower Upper

94 100

65 848.7 5.9 45.9#

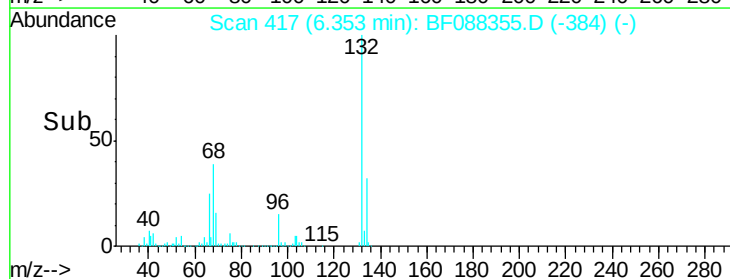
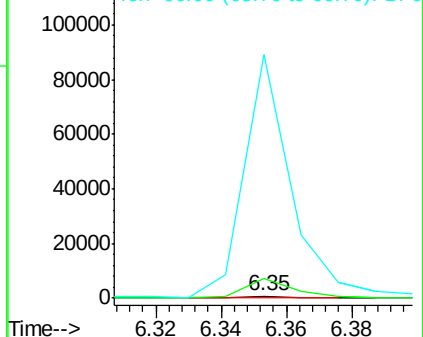
66 10738.3 14.0 54.0#

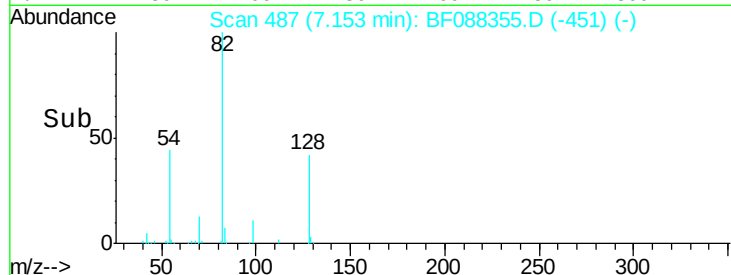
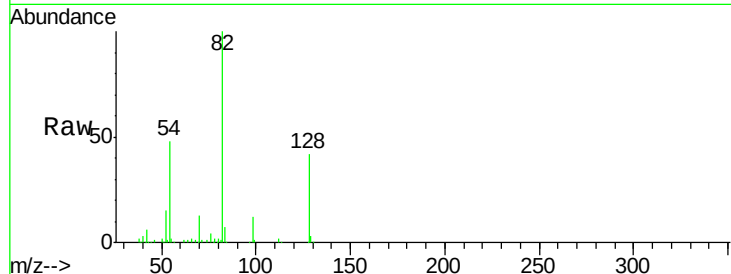
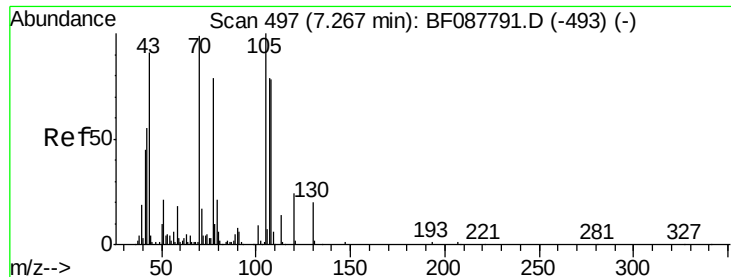


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

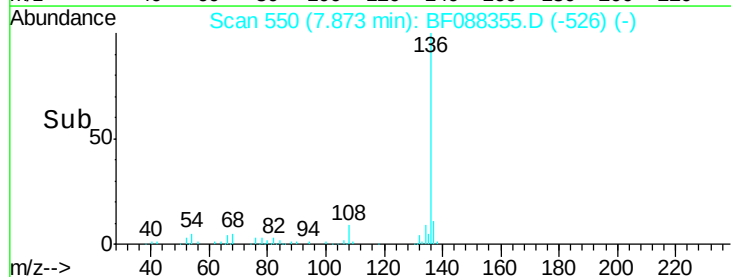
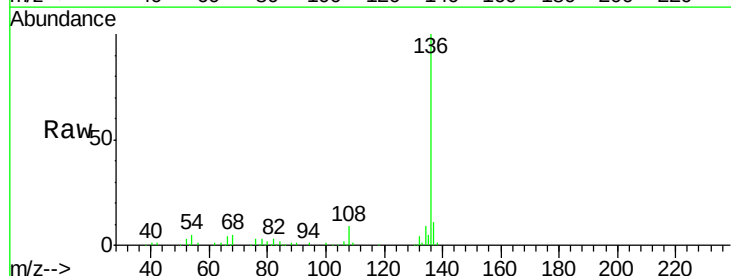
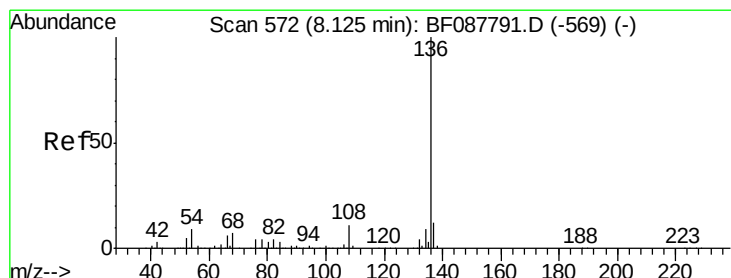
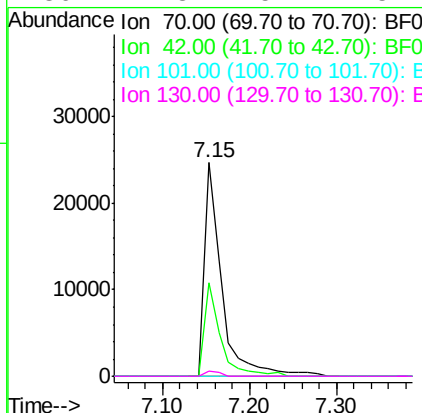




#19
n-Nitroso-di-n-propylamine
Concen: 3.95 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.11 min
Lab File: BF088355.D
Acq: 25 Jun 2016 2:38

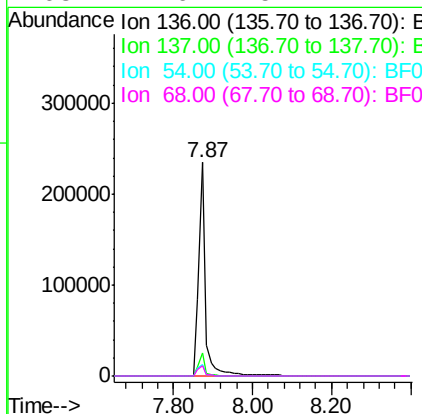
Instrument :
BNA_F
ClientSampleId :
CF-2

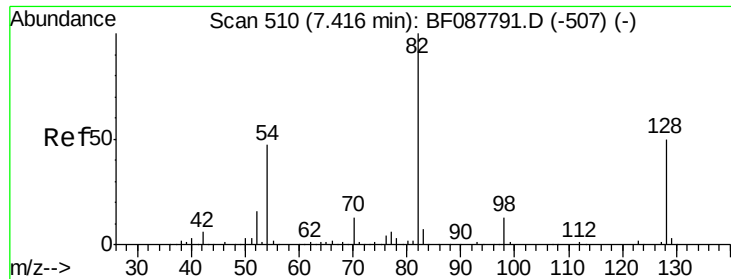
Tgt Ion: 70 Resp: 34035
Ion Ratio Lower Upper
70 100
42 43.6 49.6 74.4#
101 0.0 7.1 10.7#
130 2.3 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.02 min
Lab File: BF088355.D
Acq: 25 Jun 2016 2:38

Tgt Ion: 136 Resp: 282438
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 5.1 6.6 10.0#
68 4.6 5.1 7.7#

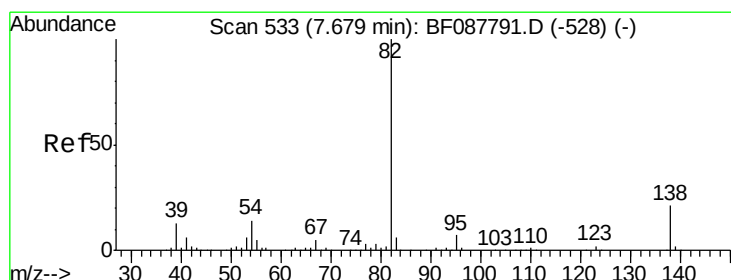
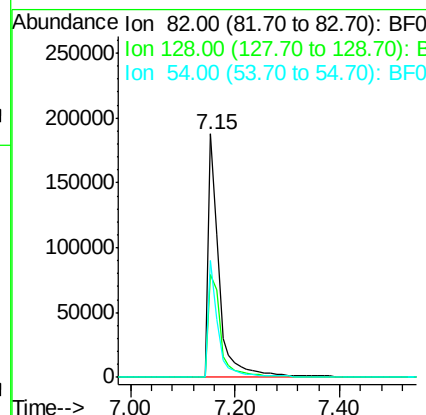
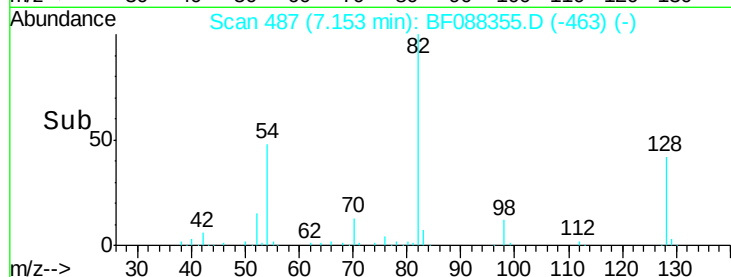
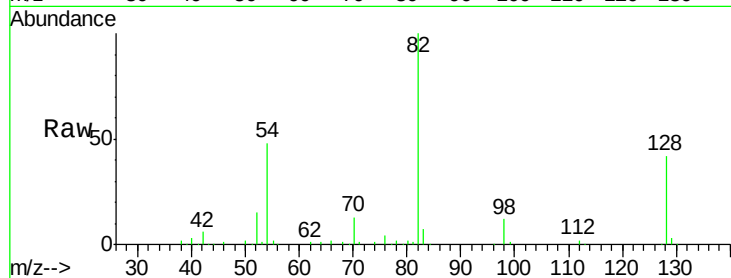




#23
 Nitrobenzene-d5
 Concen: 56.89 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: BF088355.D
 Acq: 25 Jun 2016 2:38

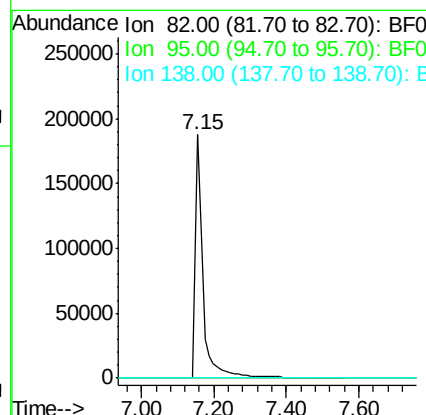
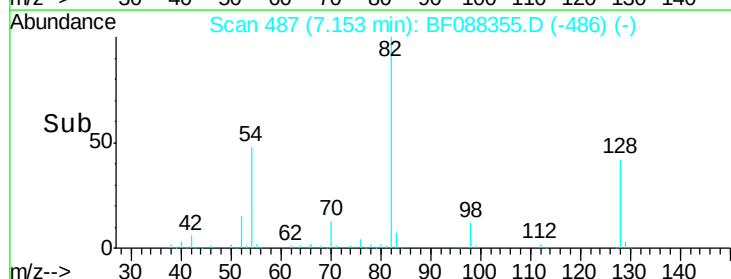
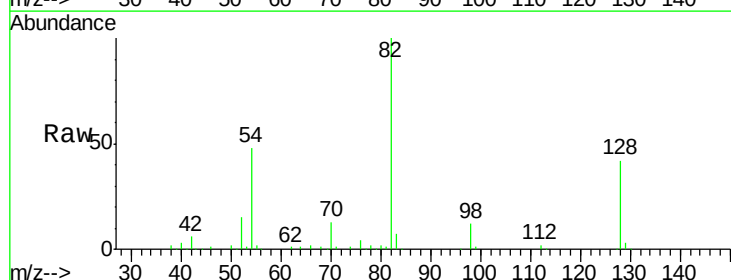
Instrument :
 BNA_F
 ClientSampled :
 CF-2

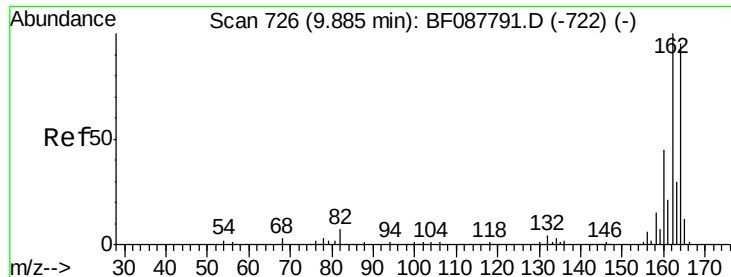
Tgt Ion: 82 Resp: 275171
 Ion Ratio Lower Upper
 82 100
 128 42.3 35.9 53.9
 54 47.9 40.9 61.3



#25
 Isophorone
 Concen: 31.06 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.29 min
 Lab File: BF088355.D
 Acq: 25 Jun 2016 2:38

Tgt Ion: 82 Resp: 278243
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 21.8#

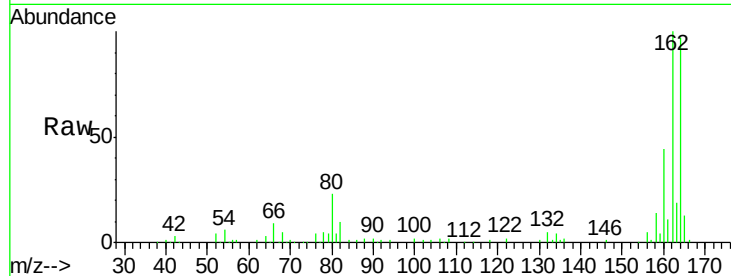




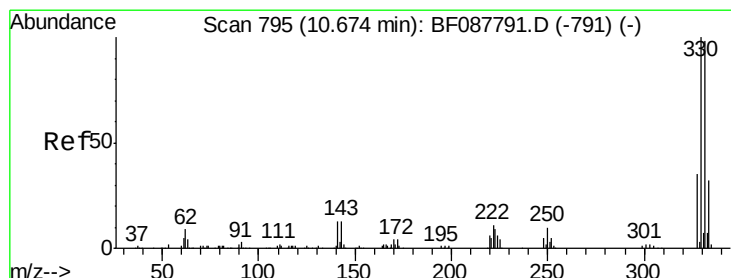
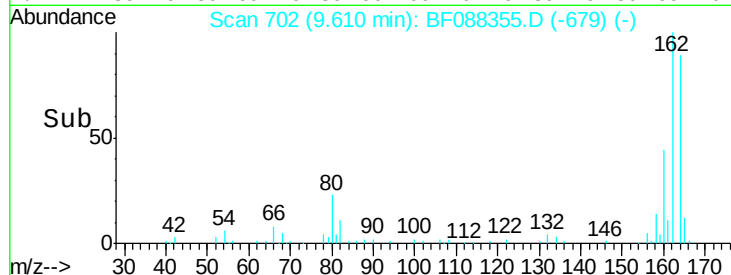
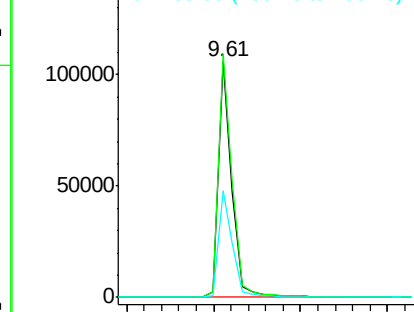
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF088355.D
 Acq: 25 Jun 2016 2:38

Instrument :
 BNA_F
 ClientSampleId :
 CF-2

Tgt Ion:164 Resp: 114932
 Ion Ratio Lower Upper
 164 100
 162 103.3 85.4 128.2
 160 45.5 39.5 59.3

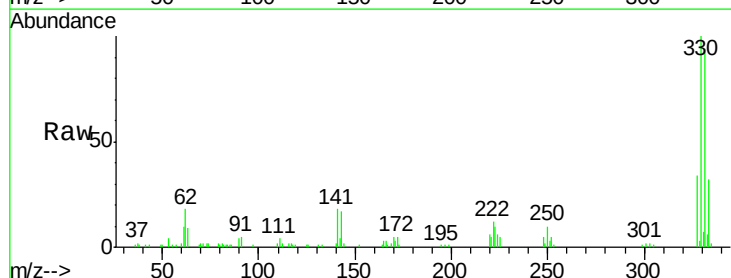


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

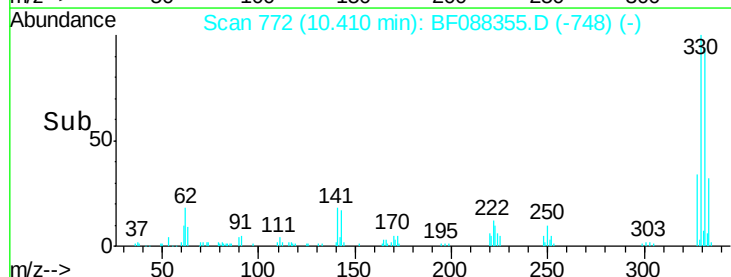
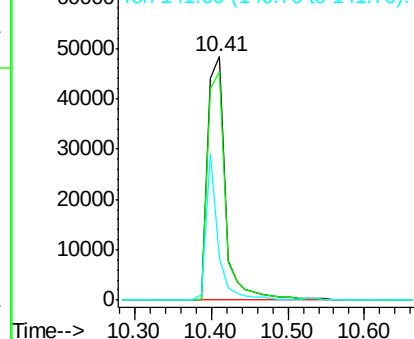


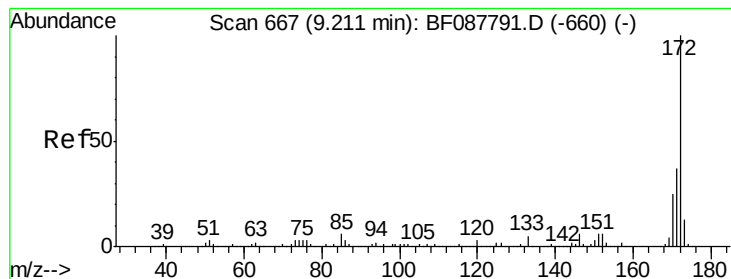
#41
 2,4,6-Tribromophenol
 Concen: 63.15 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088355.D
 Acq: 25 Jun 2016 2:38

Tgt Ion:330 Resp: 76638
 Ion Ratio Lower Upper
 330 100
 332 95.0 0.0 0.0#
 141 39.6 0.0 0.0#



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





#44

2-Fluorobiphenyl

Concen: 72.83 ng

RT: 8.95 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF088355.D

Acq: 25 Jun 2016 2:38

Instrument :

BNA_F

ClientSampleId :

CF-2

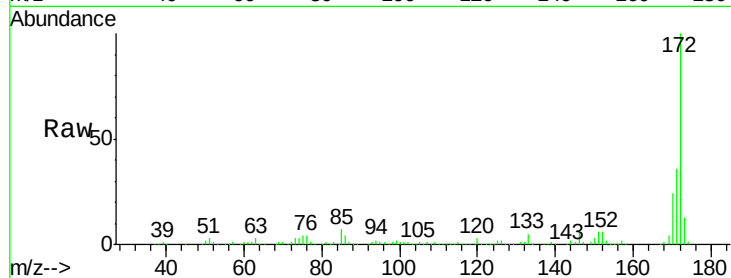
Tgt Ion:172 Resp: 538619

Ion Ratio Lower Upper

172 100

171 36.1 28.6 43.0

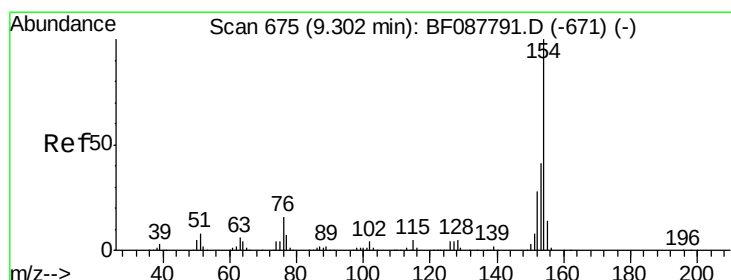
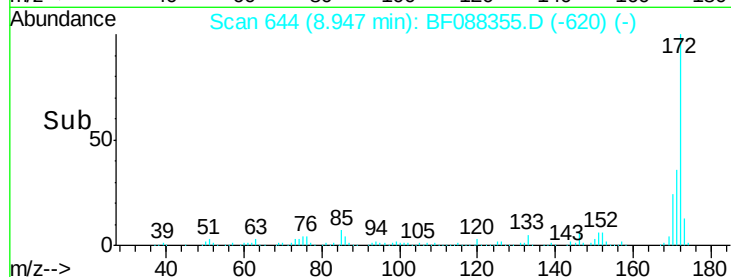
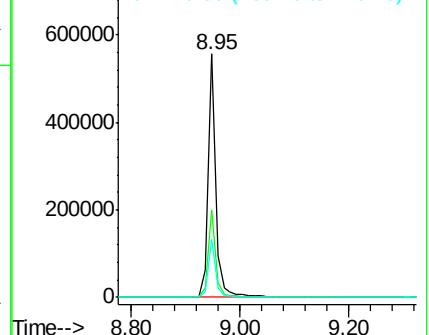
170 23.7 19.2 28.8



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: 8.95 min Scan# 644

Delta R.T. -0.13 min

Lab File: BF088355.D

Acq: 25 Jun 2016 2:38

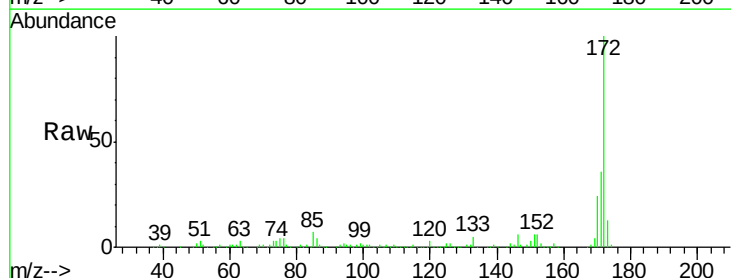
Tgt Ion:154 Resp: 695

Ion Ratio Lower Upper

154 100

153 1046.1 20.6 60.6#

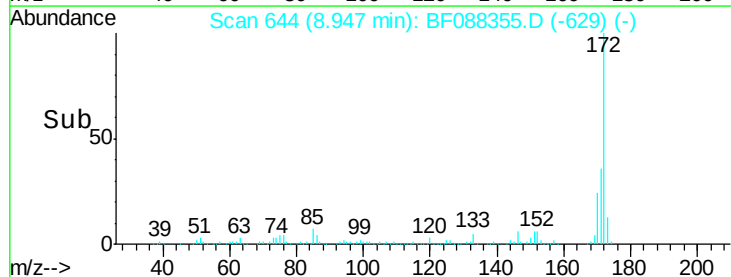
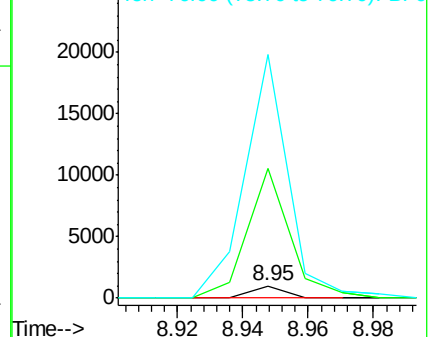
76 1954.2 0.0 35.1#

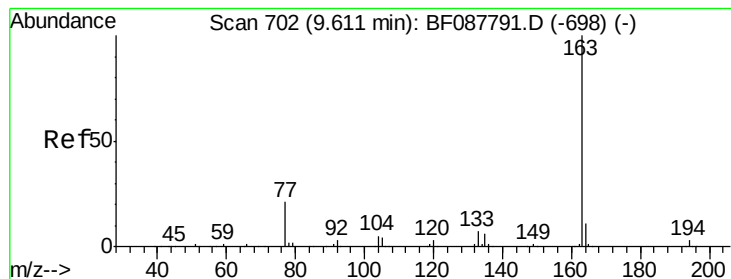


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 10.21 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.03 min

Lab File: BF088355.D

Acq: 25 Jun 2016 2:38

Instrument :

BNA_F

ClientSampled :

CF-2

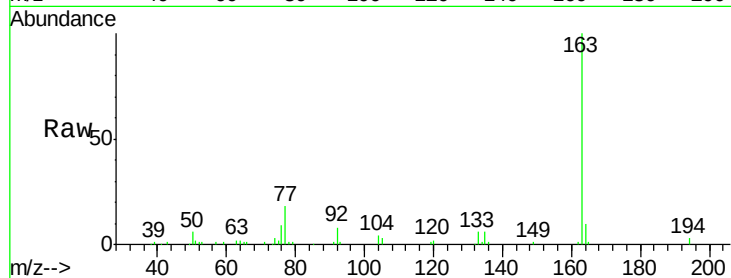
Tgt Ion:163 Resp: 84970

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

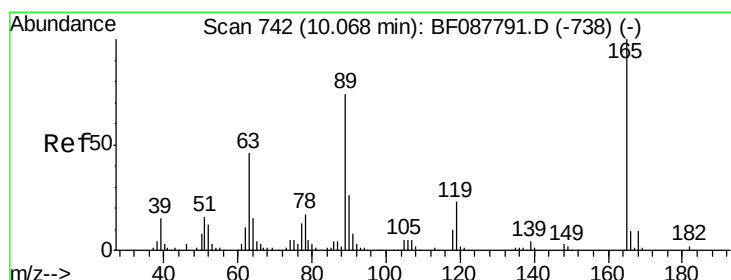
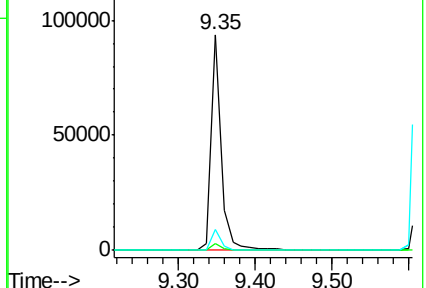
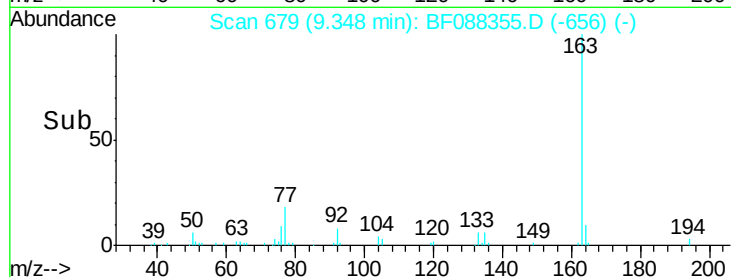
164 9.6 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 5.73 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.24 min

Lab File: BF088355.D

Acq: 25 Jun 2016 2:38

Tgt Ion:165 Resp: 14029

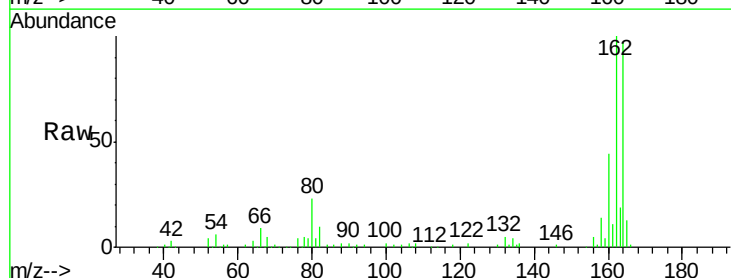
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

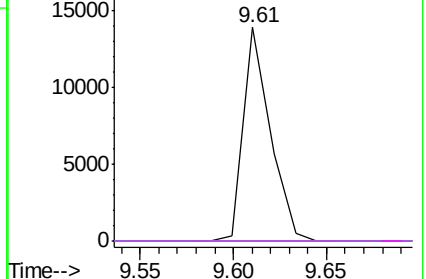
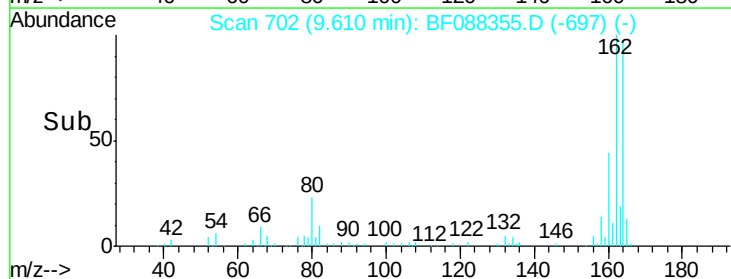


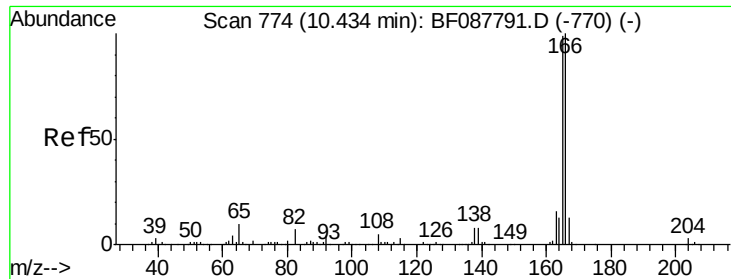
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.16 min Scan# 750

Delta R.T. -0.03 min

Lab File: BF088355.D

Acq: 25 Jun 2016 2:38

Instrument :

BNA_F

ClientSampleId :

CF-2

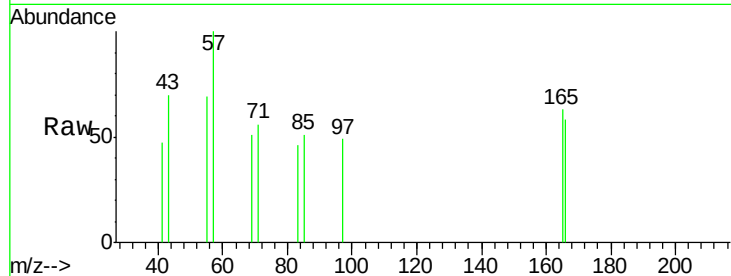
Tgt Ion:166 Resp: 560

Ion Ratio Lower Upper

166 100

165 108.5 77.8 116.8

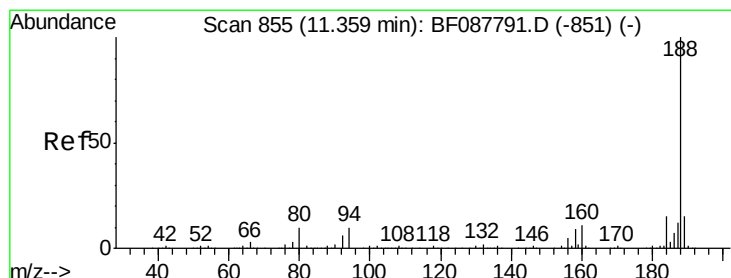
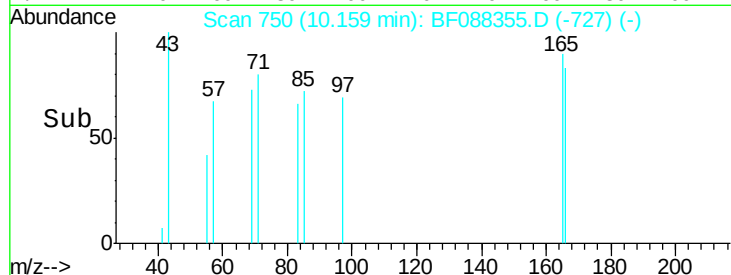
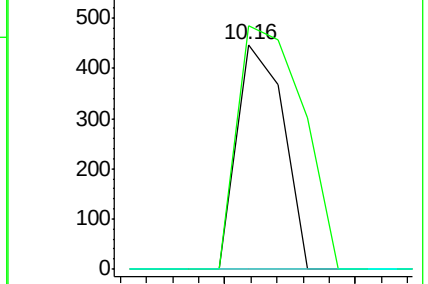
167 0.0 11.2 16.8#



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: 11.10 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF088355.D

Acq: 25 Jun 2016 2:38

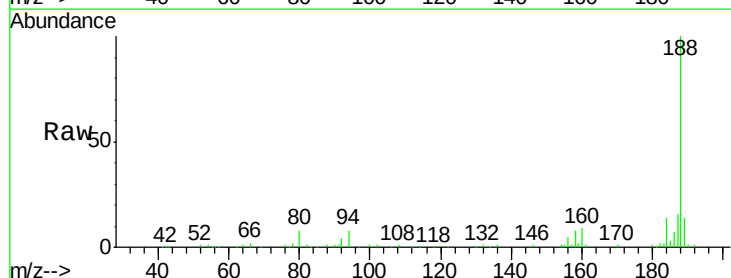
Tgt Ion:188 Resp: 170146

Ion Ratio Lower Upper

188 100

94 7.5 9.0 13.6#

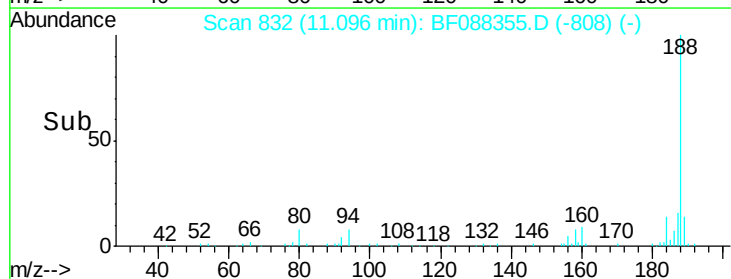
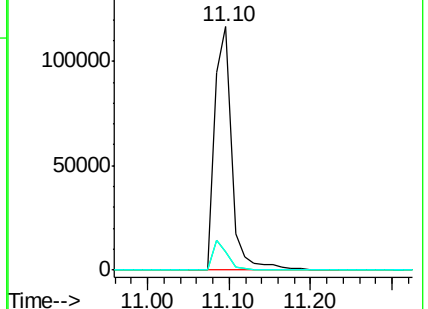
80 7.8 10.0 15.0#

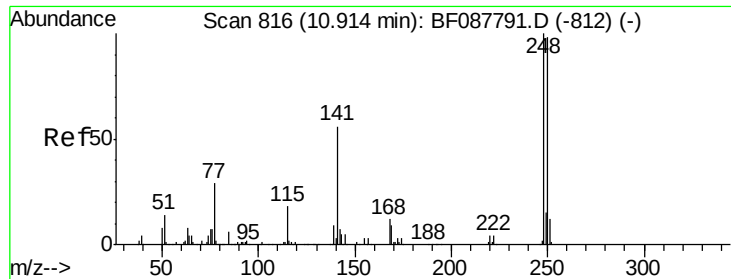


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

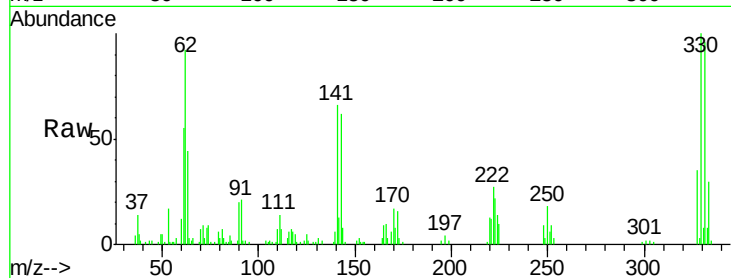




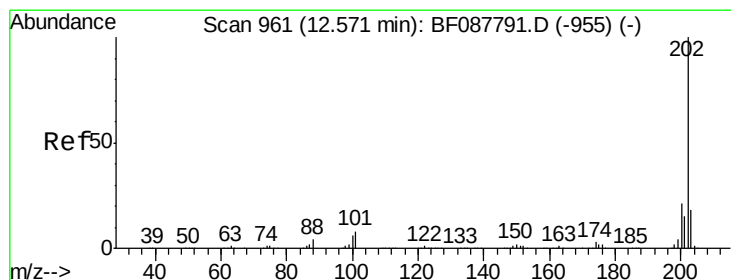
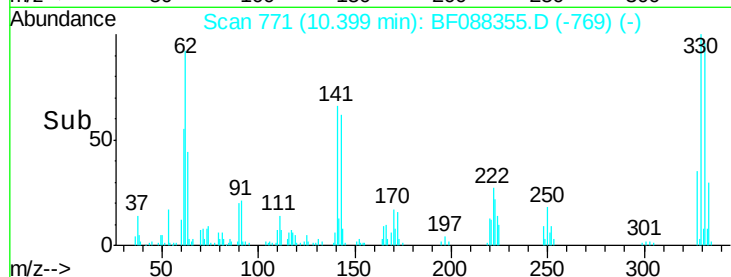
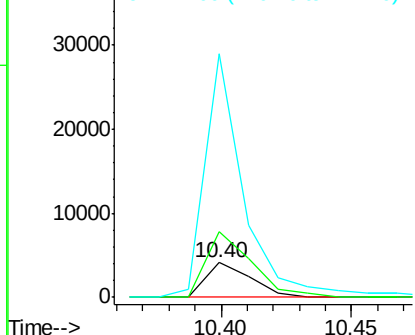
#66
4-Bromophenyl-phenylether
Concen: 2.65 ng
RT: 10.40 min Scan# 771
Delta R.T. -0.27 min
Lab File: BF088355.D
Acq: 25 Jun 2016 2:38

Instrument :
BNA_F
ClientSampled :
CF-2

Tgt Ion:248 Resp: 4842
Ion Ratio Lower Upper
248 100
250 189.2 77.1 115.7#
141 705.4 50.6 76.0#

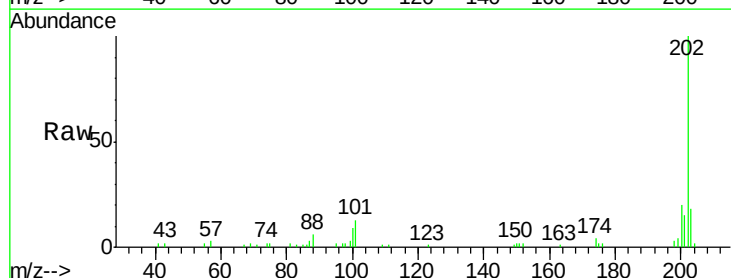


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

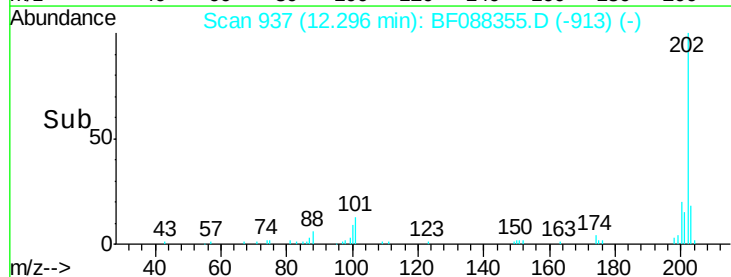
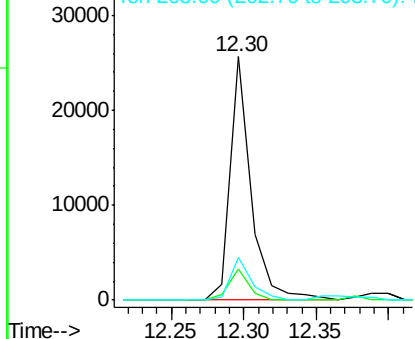


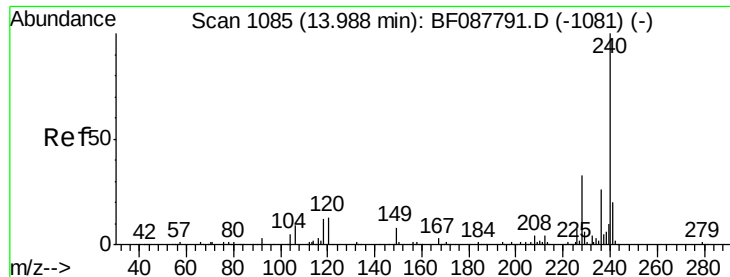
#74
Fluoranthene
Concen: 2.72 ng
RT: 12.30 min Scan# 937
Delta R.T. -0.02 min
Lab File: BF088355.D
Acq: 25 Jun 2016 2:38

Tgt Ion:202 Resp: 25598
Ion Ratio Lower Upper
202 100
101 12.6 0.0 33.1
203 17.5 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BF088355.D

Acq: 25 Jun 2016 2:38

Instrument :

BNA_F

ClientSampleId :

CF-2

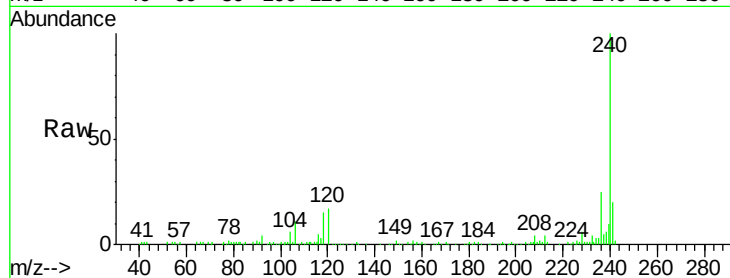
Tgt Ion:240 Resp: 153162

Ion Ratio Lower Upper

240 100

120 16.5 6.8 10.2#

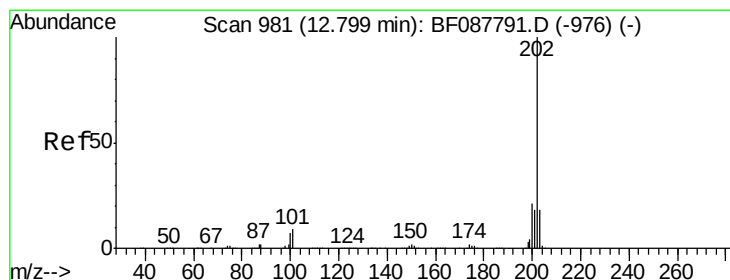
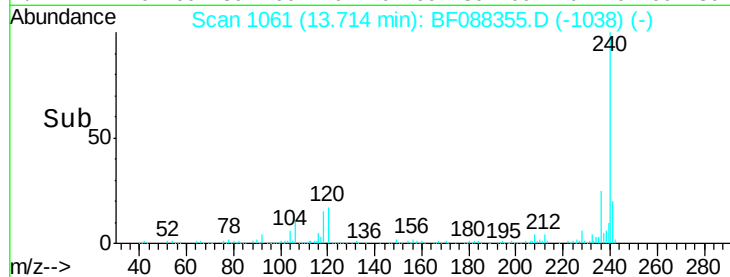
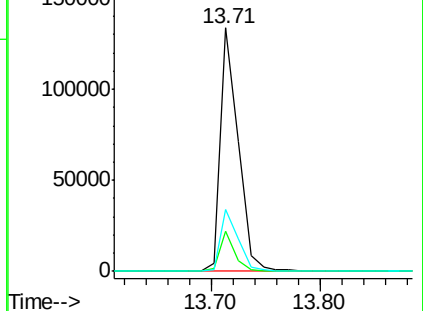
236 25.4 20.2 30.2



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: 2.13 ng

RT: 12.52 min Scan# 957

Delta R.T. -0.02 min

Lab File: BF088355.D

Acq: 25 Jun 2016 2:38

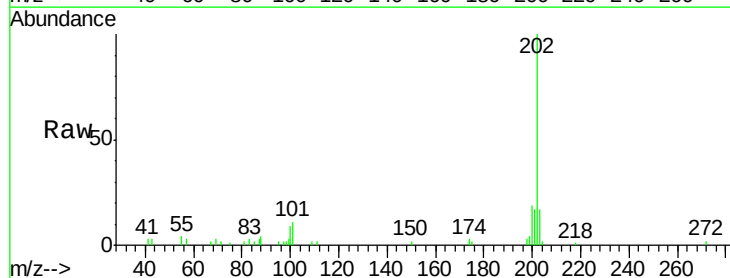
Tgt Ion:202 Resp: 24220

Ion Ratio Lower Upper

202 100

200 19.5 17.4 26.2

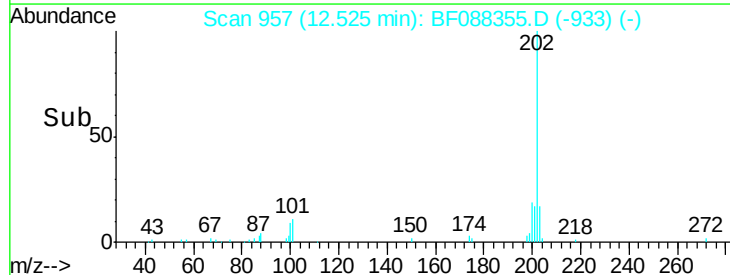
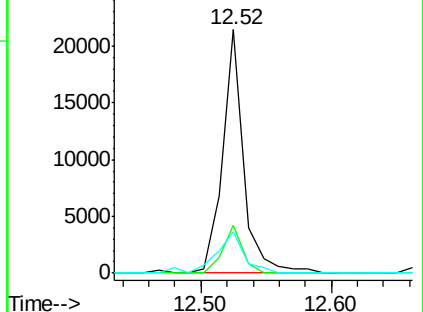
203 17.0 14.5 21.7

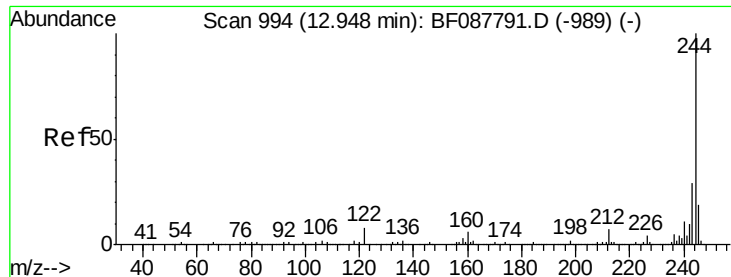


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

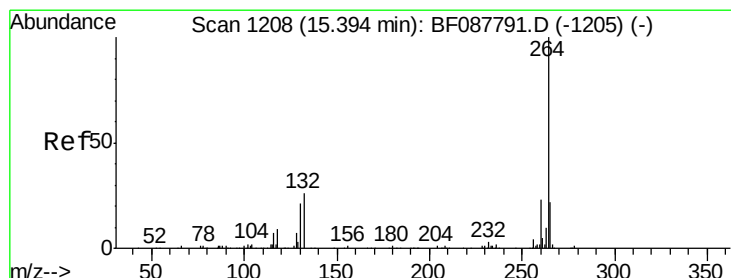
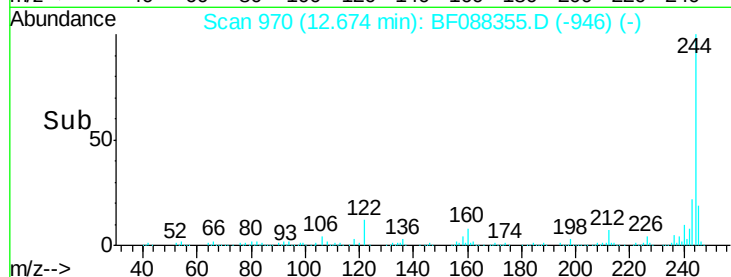
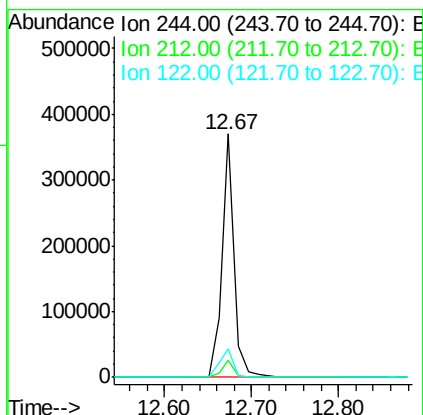
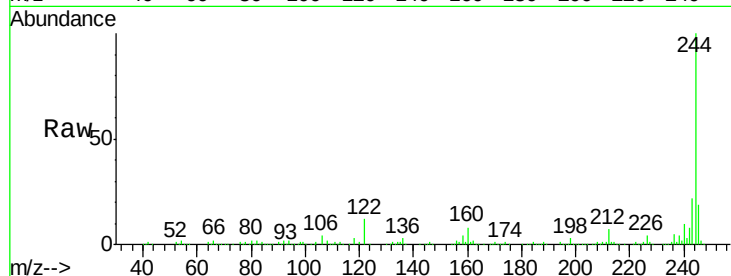




#78
 Terphenyl-d14
 Concen: 53.48 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.02 min
 Lab File: BF088355.D
 Acq: 25 Jun 2016 2:38

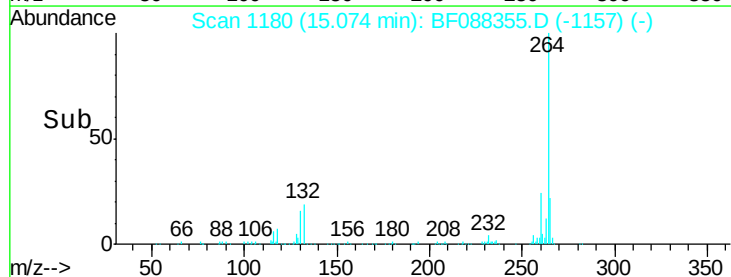
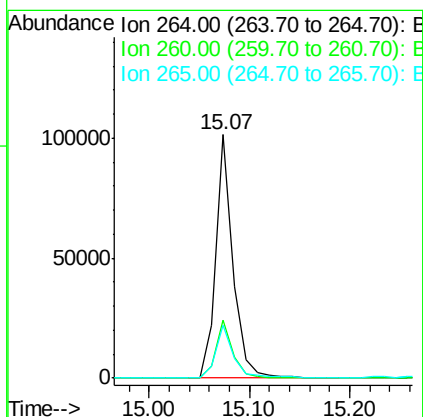
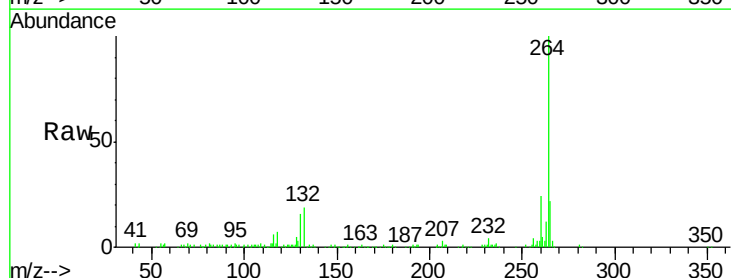
Instrument :
 BNA_F
 ClientSampleID :
 CF-2

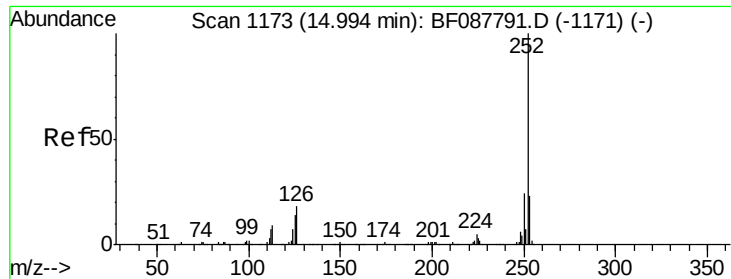
Tgt Ion:244 Resp: 359938
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 11.9 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.07 min Scan# 1180
 Delta R.T. -0.03 min
 Lab File: BF088355.D
 Acq: 25 Jun 2016 2:38

Tgt Ion:264 Resp: 119892
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.6 16.9 25.3

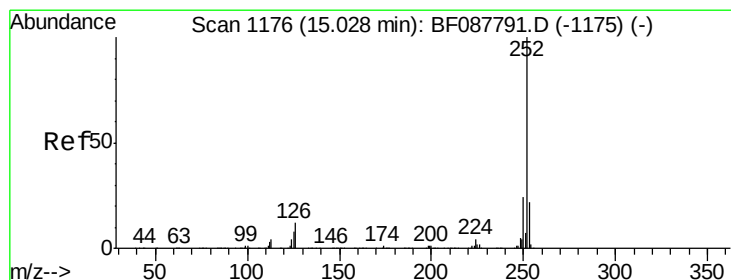
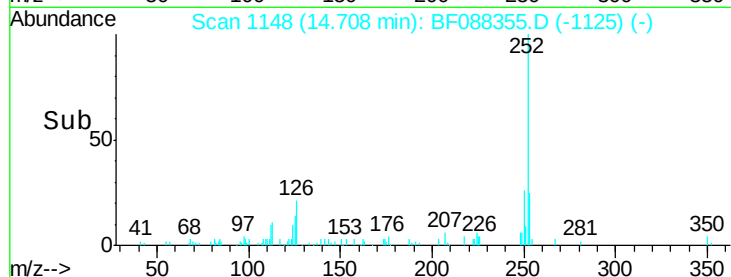
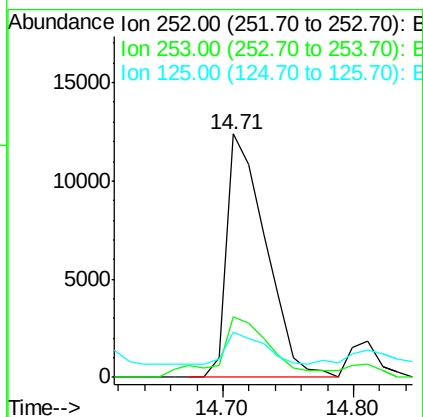
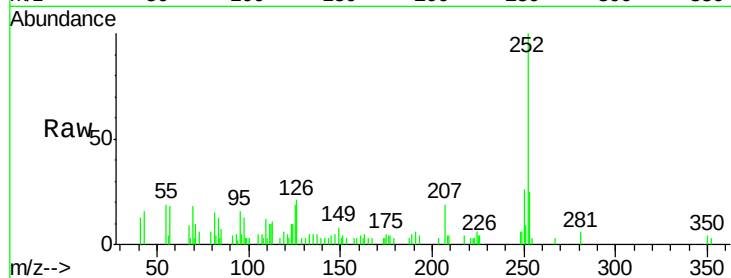




#87
Benzo(b)fluoranthene
Concen: 3.07 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.03 min
Lab File: BF088355.D
Acq: 25 Jun 2016 2:38

Instrument :
BNA_F
ClientSampleId :
CF-2

Tgt Ion: 252 Resp: 25659
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.2
125 18.7 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 4.07 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF088355.D
Acq: 25 Jun 2016 2:38

Tgt Ion: 252 Resp: 25659
Ion Ratio Lower Upper
252 100
253 24.9 18.0 27.0
125 18.7 11.2 16.8#

