

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062816\
 Data File : BF088488.D
 Acq On : 28 Jun 2016 19:38
 Operator : UM/SJ
 Sample : H3663-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15DL

Quant Time: Jun 29 01:28:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 28 05:25:55 2016
 Response via : Initial Calibration

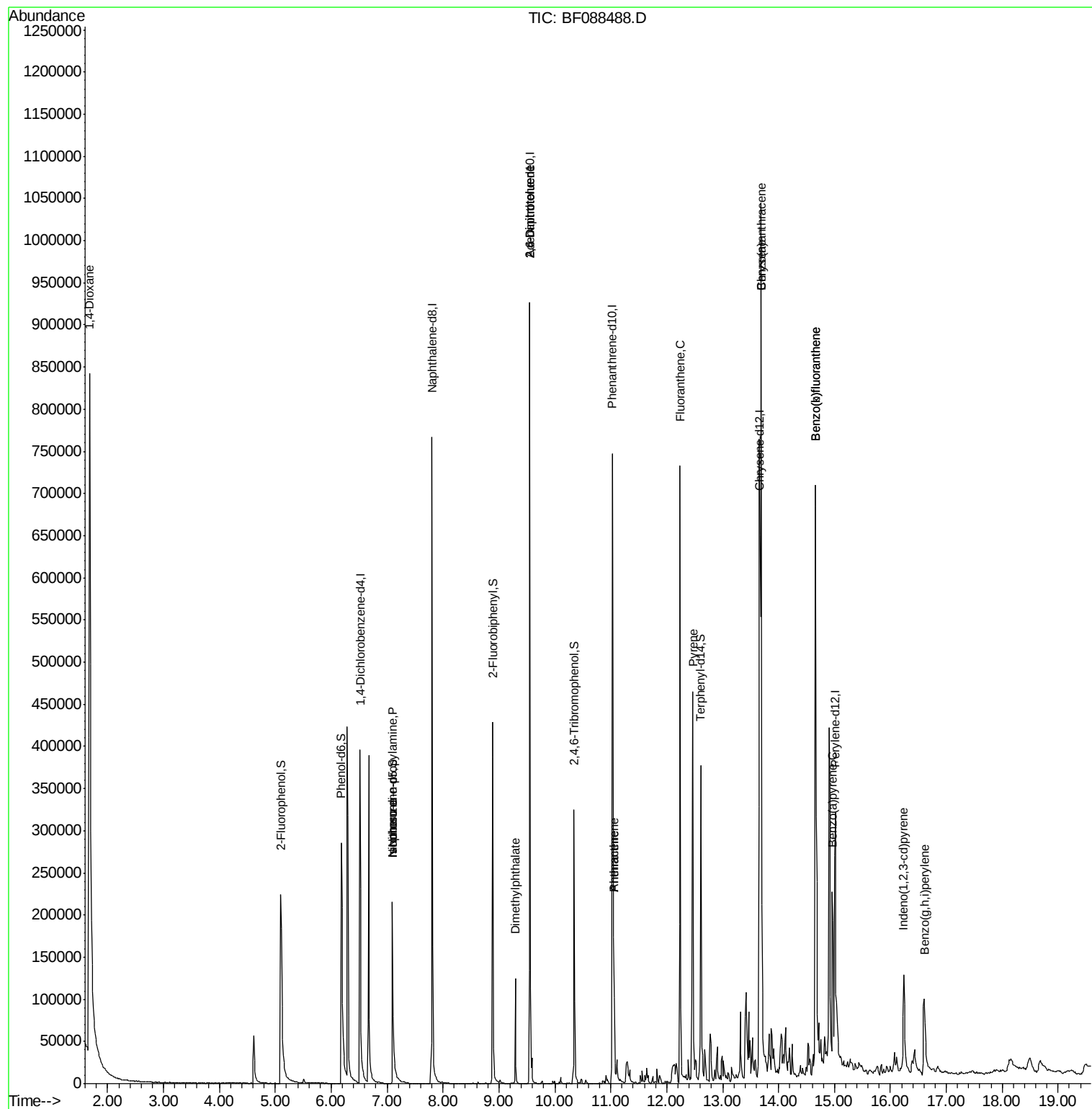
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	96951	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	407487	20.00	ng	-0.03
38) Acenaphthene-d10	9.55	164	186014	20.00	ng	-0.03
63) Phenanthrene-d10	11.03	188	316078	20.00	ng	-0.03
75) Chrysene-d12	13.67	240	198842	20.00	ng	-0.02
86) Perylene-d12	15.02	264	164263	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	167651	29.56	ng	-0.03
7) Phenol-d6	6.18	99	229853	33.44	ng	-0.05
23) Nitrobenzene-d5	7.10	82	119426	17.11	ng	-0.03
41) 2,4,6-Tribromophenol	10.34	330	47429	24.15	ng	-0.03
44) 2-Fluorobiphenyl	8.89	172	238345	15.61	ng	-0.03
78) Terphenyl-d14	12.60	244	176918	20.25	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	1.68	88	54786	19.88	ng	# 87
19) n-Nitroso-di-n-propylamine	7.10	70	14171	3.22	ng	# 66
25) Isophorone	7.10	82	111688	8.64	ng	# 65
45) 1,1'-Biphenyl	8.88	154	208	Below Cal		# 1
49) Dimethylphthalate	9.29	163	56695	4.21	ng	99
50) 2,6-Dinitrotoluene	9.55	165	23304	7.55	ng	# 39
56) 2,4-Dinitrotoluene	9.55	165	23304	5.88	ng	# 37
57) Fluorene	10.10	166	3587	Below Cal		95
70) Phenanthrene	11.05	178	77938	4.70	ng	98
71) Anthracene	11.05	178	77938	4.66	ng	99
74) Fluoranthene	12.24	202	332010	18.97	ng	95
77) Pyrene	12.47	202	282085	19.12	ng	98
80) Benzo(a)anthracene	13.69	228	753325	66.48	ng	97
82) Chrysene	13.69	228	755242	70.85	ng	98
85) Indeno(1,2,3-cd)pyrene	16.24	276	79271	8.00	ng	# 100
87) Benzo(b)fluoranthene	14.66	252	528494	46.16	ng	# 98
88) Benzo(k)fluoranthene	14.66	252	528494	61.19	ng	97
89) Benzo(a)pyrene	14.96	252	121138	13.08	ng	97
91) Benzo(g,h,i)perylene	16.61	276	84930	9.60	ng	98

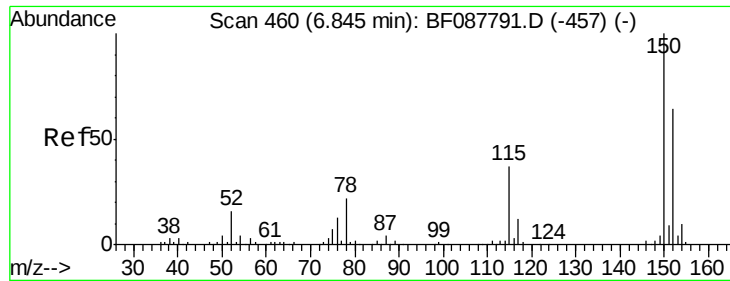
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.03 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TP-15DL

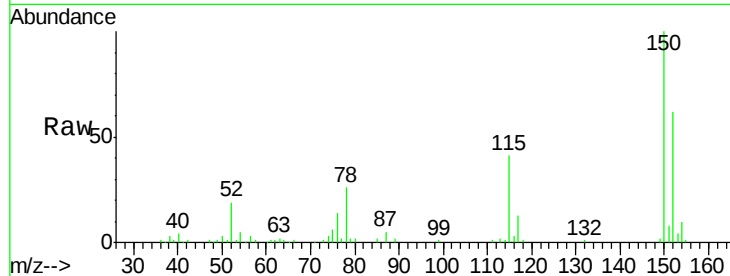
Tgt Ion:152 Resp: 96951

Ion Ratio Lower Upper

152 100

150 161.9 123.8 185.6

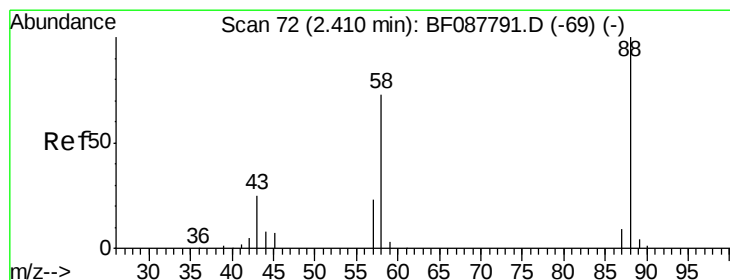
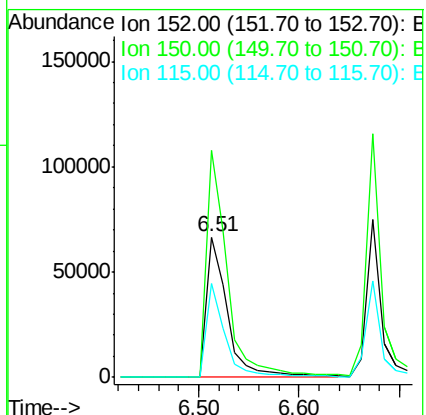
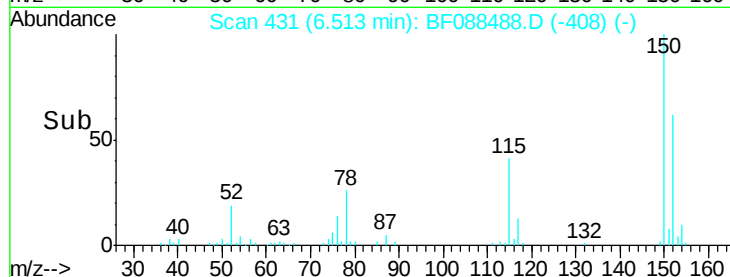
115 66.8 39.6 59.4#



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



#2

1,4-Dioxane

Concen: 19.88 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.26 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

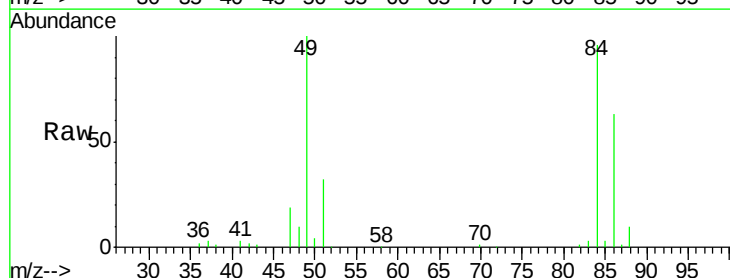
Tgt Ion: 88 Resp: 54786

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

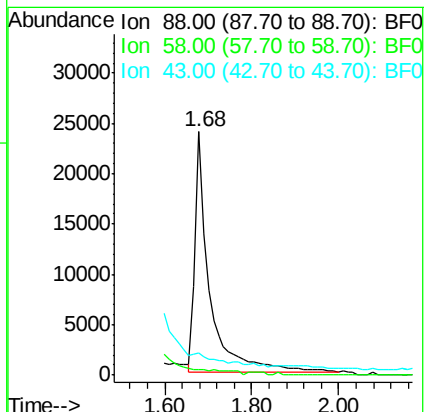
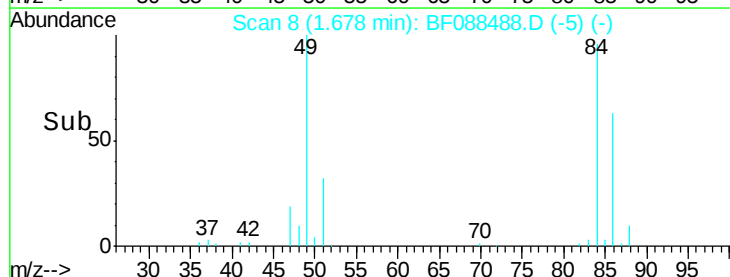
43 0.0 3.4 5.2#

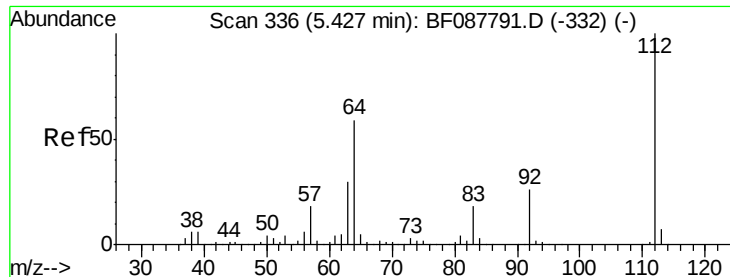


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 29.56 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.03 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TP-15DL

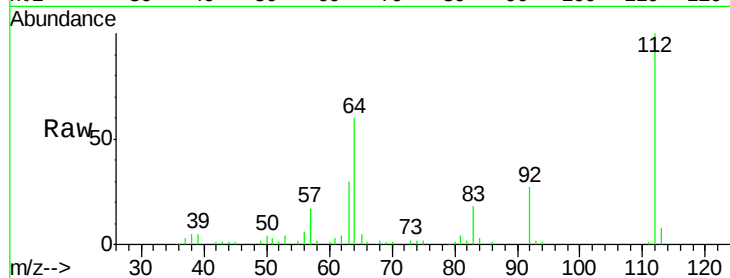
Tgt Ion: 112 Resp: 167651

Ion Ratio Lower Upper

112 100

64 59.8 42.2 63.2

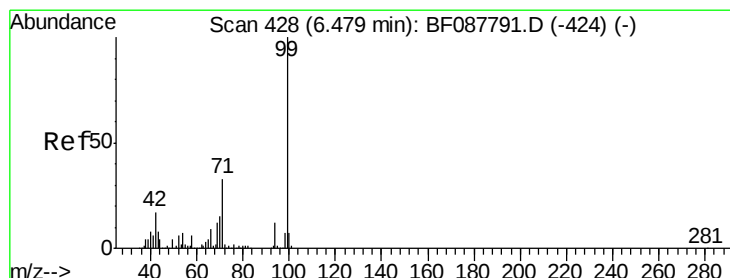
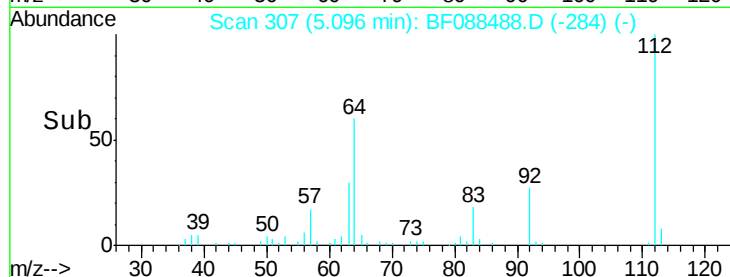
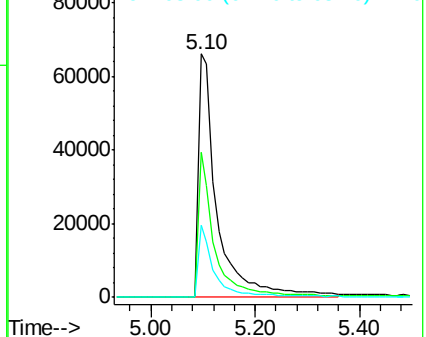
63 29.8 21.8 32.8



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: 33.44 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.05 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

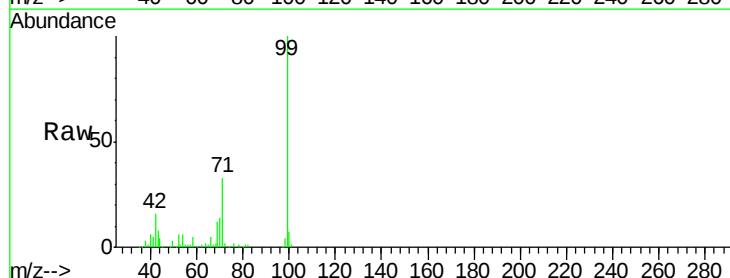
Tgt Ion: 99 Resp: 229853

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

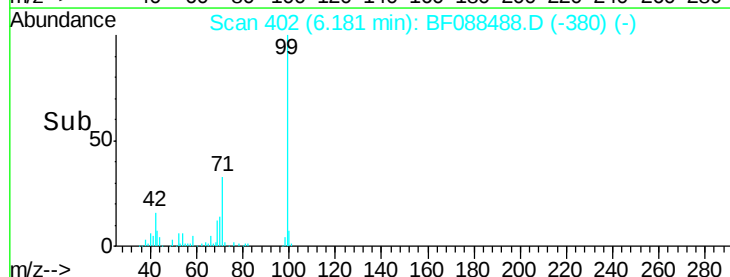
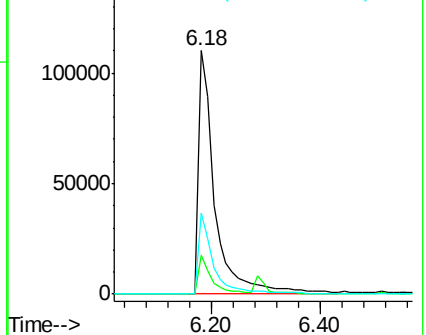
71 33.4 23.4 35.0

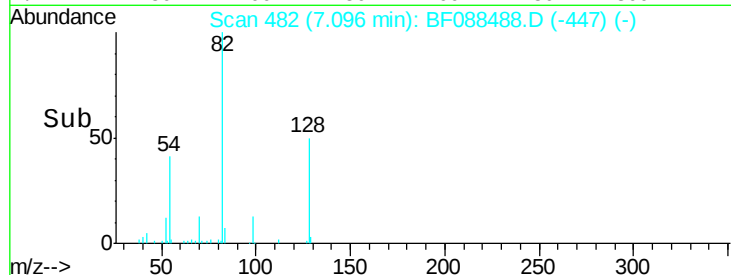
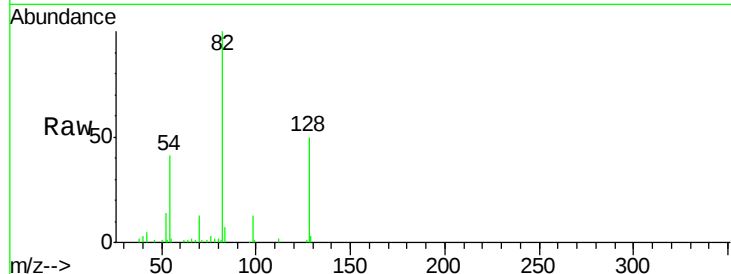
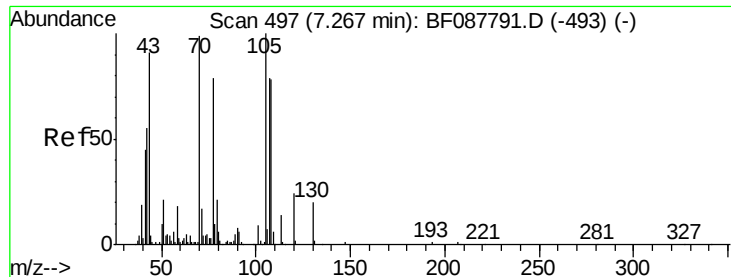


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

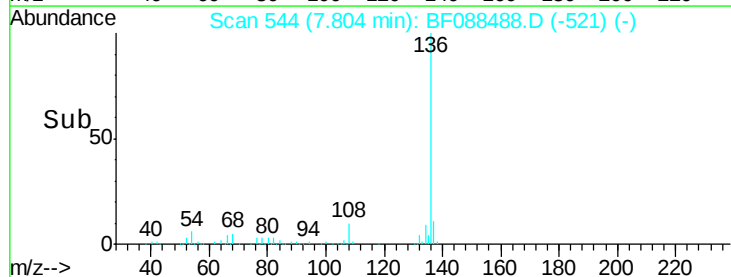
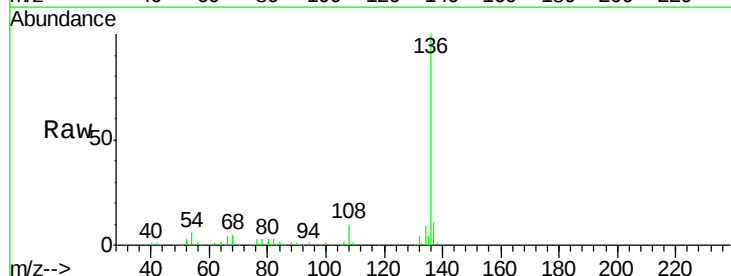
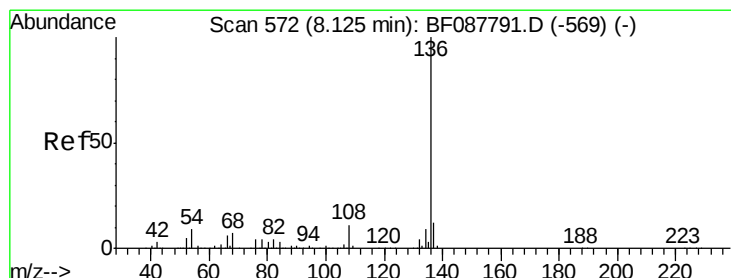
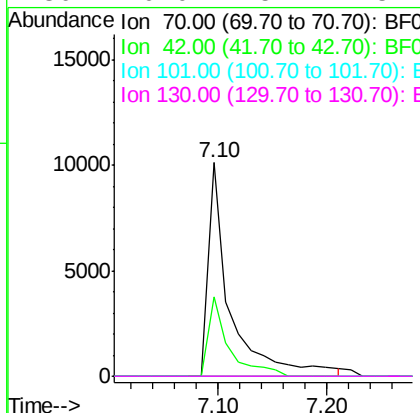




#19
n-Nitroso-di-n-propylamine
Concen: 3.22 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.10 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

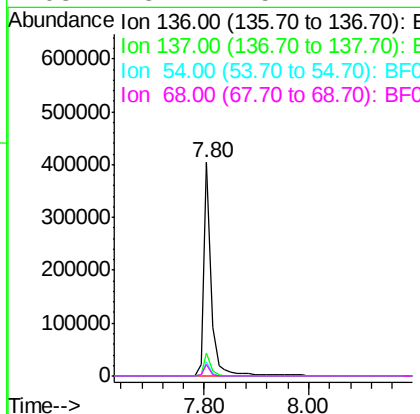
Instrument :
BNA_F
ClientSampleId :
TP-15DL

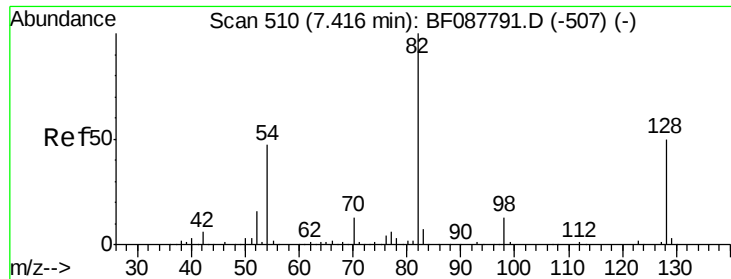
Tgt Ion: 70 Resp: 14171
Ion Ratio Lower Upper
70 100
42 37.3 49.6 74.4#
101 0.0 7.1 10.7#
130 0.0 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.03 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Tgt Ion: 136 Resp: 407487
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 6.3 6.6 10.0#
68 5.2 5.1 7.7

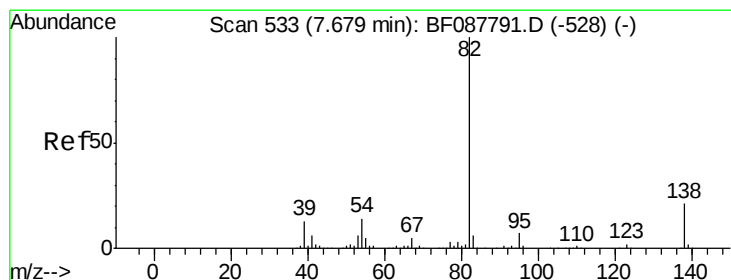
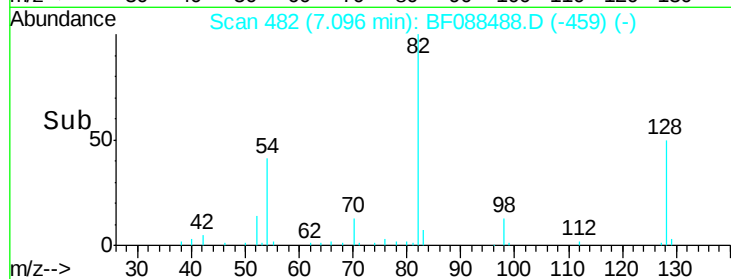
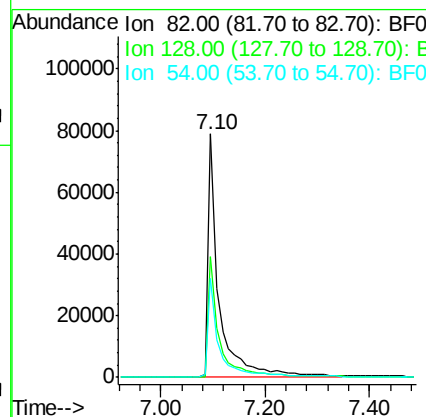
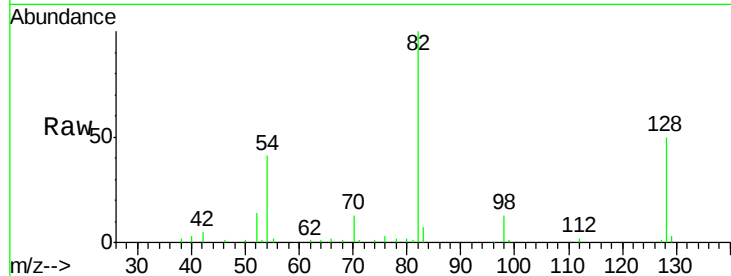




#23
 Nitrobenzene-d5
 Concen: 17.11 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.03 min
 Lab File: BF088488.D
 Acq: 28 Jun 2016 19:38

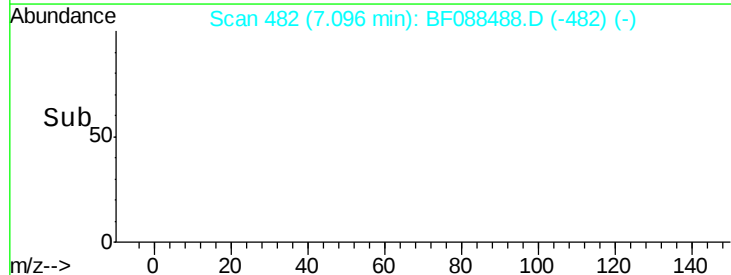
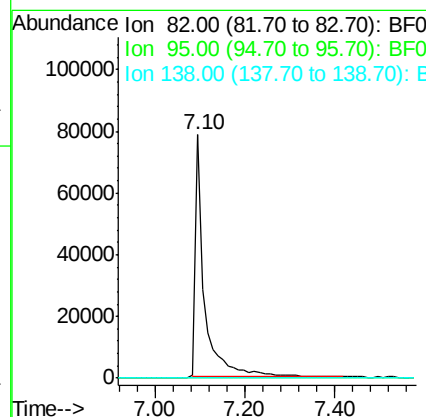
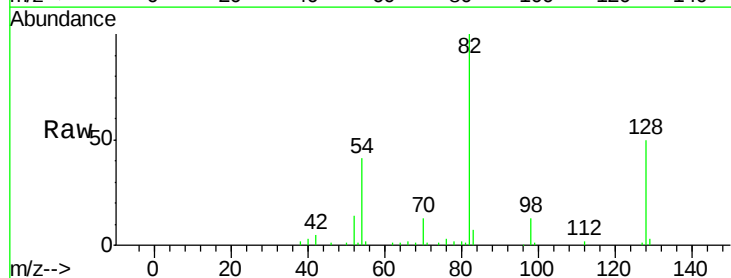
Instrument :
 BNA_F
 ClientSampleId :
 TP-15DL

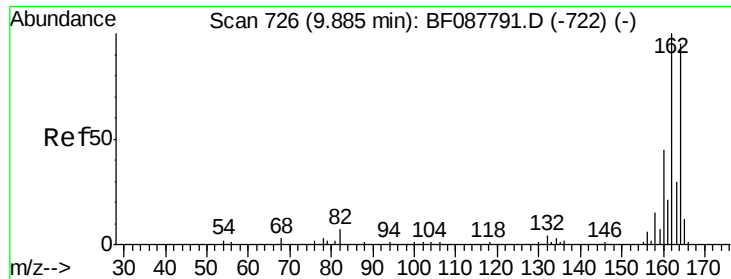
Tgt Ion: 82 Resp: 119426
 Ion Ratio Lower Upper
 82 100
 128 49.7 35.9 53.9
 54 40.8 40.9 61.3#



#25
 Isophorone
 Concen: 8.64 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.30 min
 Lab File: BF088488.D
 Acq: 28 Jun 2016 19:38

Tgt Ion: 82 Resp: 111688
 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: 9.55 min Scan# 697

Delta R.T. -0.03 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TP-15DL

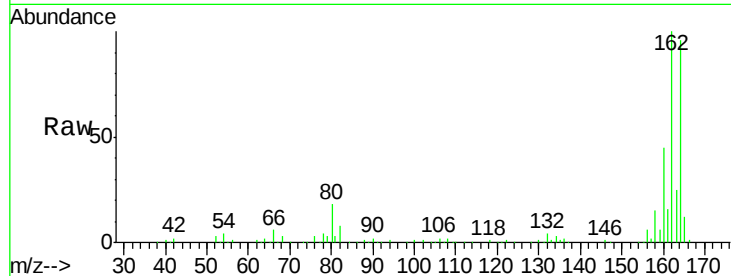
Tgt Ion:164 Resp: 186014

Ion Ratio Lower Upper

164 100

162 103.8 85.4 128.2

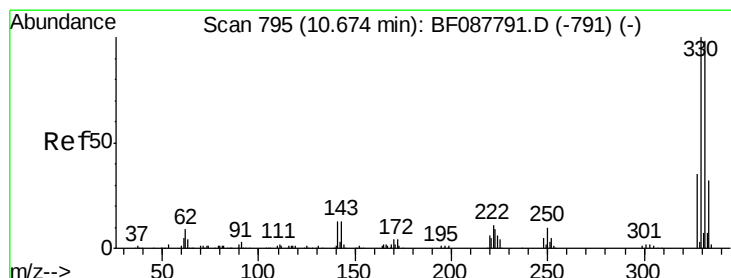
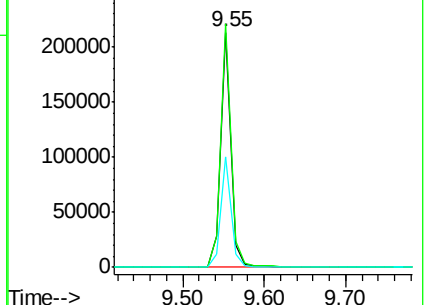
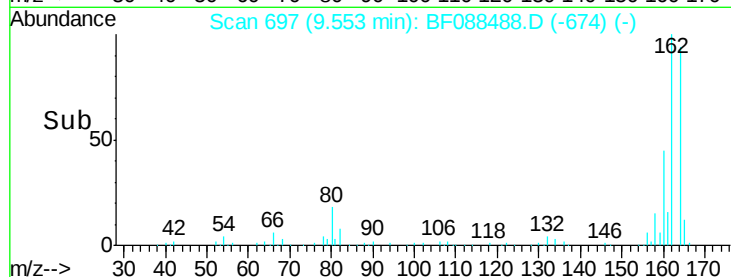
160 46.9 39.5 59.3



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: 24.15 ng

RT: 10.34 min Scan# 766

Delta R.T. -0.03 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

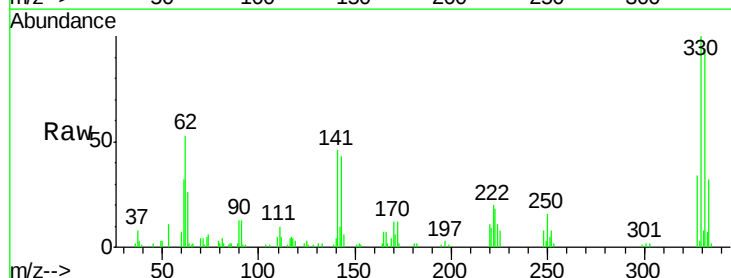
Tgt Ion:330 Resp: 47429

Ion Ratio Lower Upper

330 100

332 94.0 0.0 0.0#

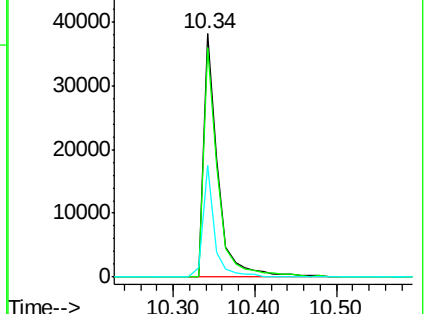
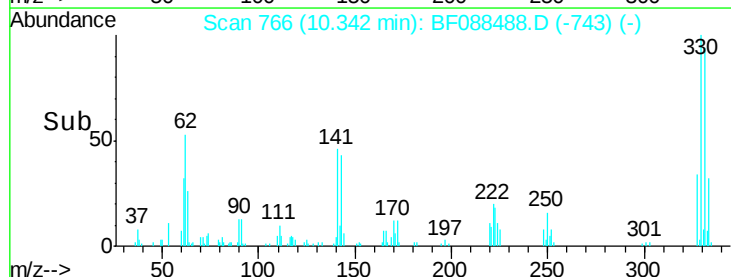
141 37.4 0.0 0.0#

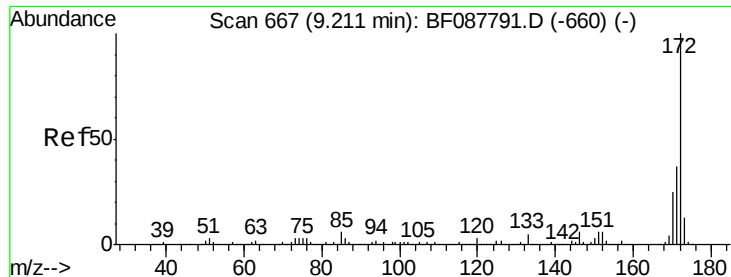


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

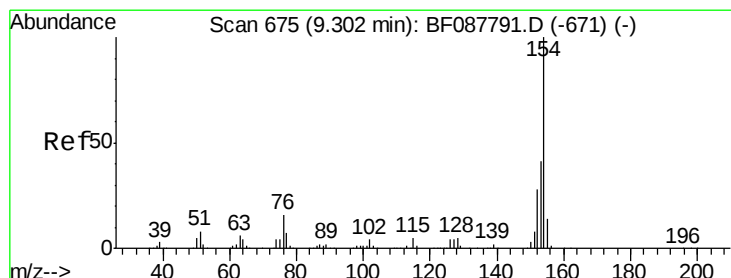
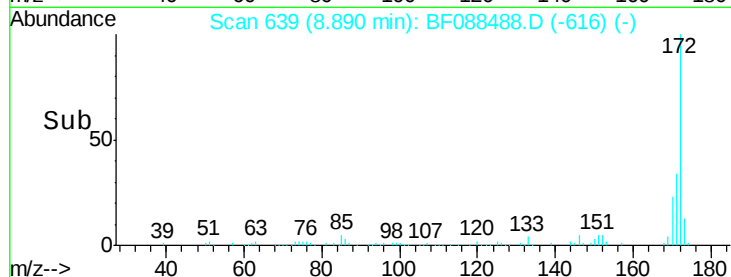
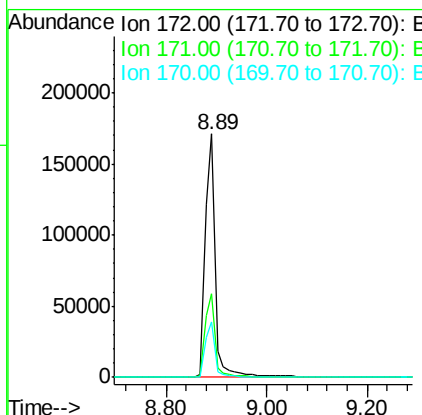
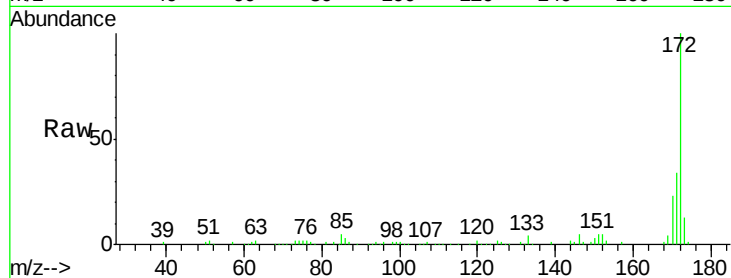




#44
 2-Fluorobiphenyl
 Concen: 15.61 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: BF088488.D
 Acq: 28 Jun 2016 19:38

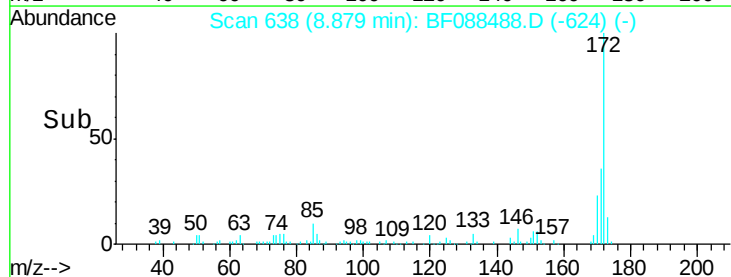
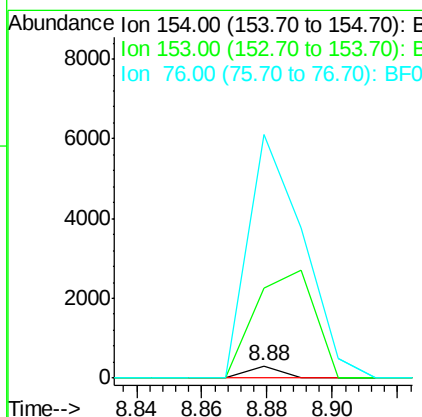
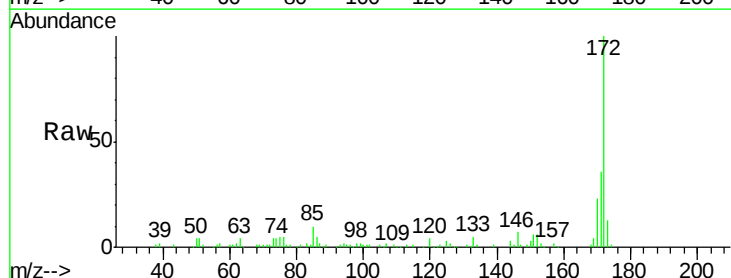
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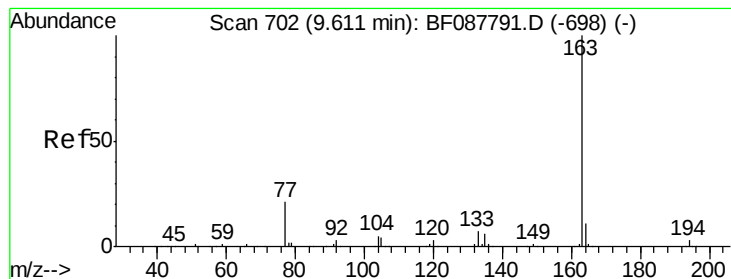
Tgt Ion:172 Resp: 238345
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.6 43.0
 170 22.8 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 8.88 min Scan# 638
 Delta R.T. -0.14 min
 Lab File: BF088488.D
 Acq: 28 Jun 2016 19:38

Tgt Ion:154 Resp: 208
 Ion Ratio Lower Upper
 154 100
 153 749.8 20.6 60.6#
 76 2015.2 0.0 35.1#





#49

Dimethylphthalate

Concen: 4.21 ng

RT: 9.29 min Scan# 674

Delta R.T. -0.05 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TP-15DL

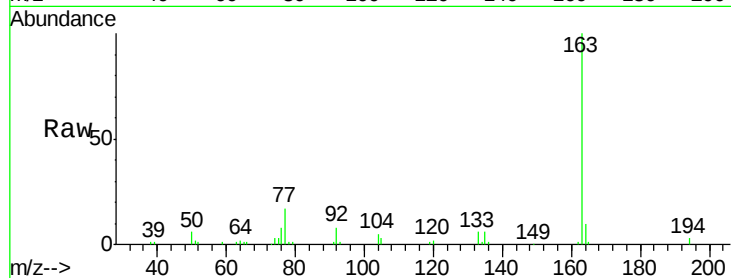
Tgt Ion:163 Resp: 56695

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

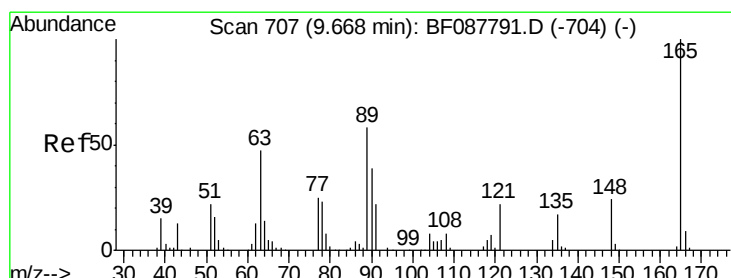
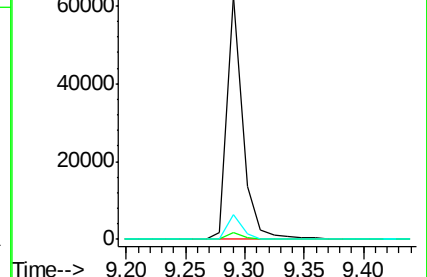
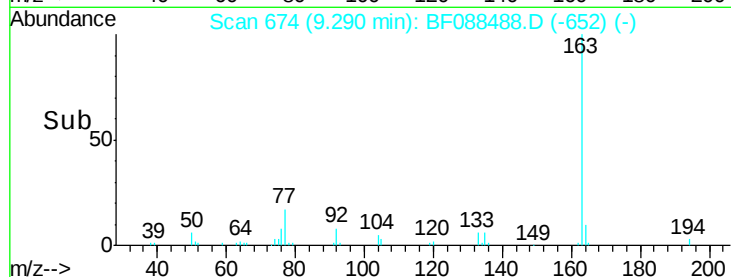
164 10.2 8.3 12.5



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



#50

2,6-Dinitrotoluene

Concen: 7.55 ng

RT: 9.55 min Scan# 697

Delta R.T. 0.16 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

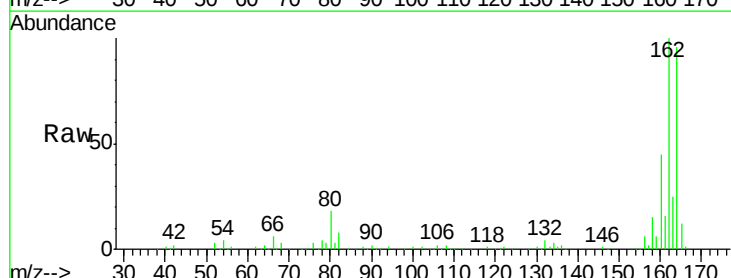
Tgt Ion:165 Resp: 23304

Ion Ratio Lower Upper

165 100

63 1.3 28.1 42.1#

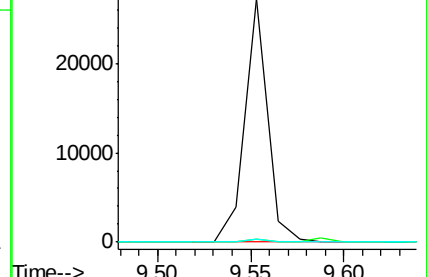
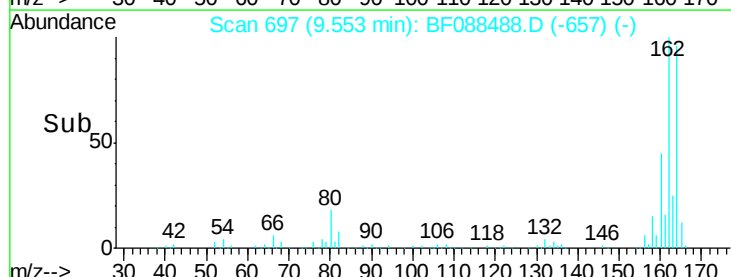
89 1.1 32.2 48.2#

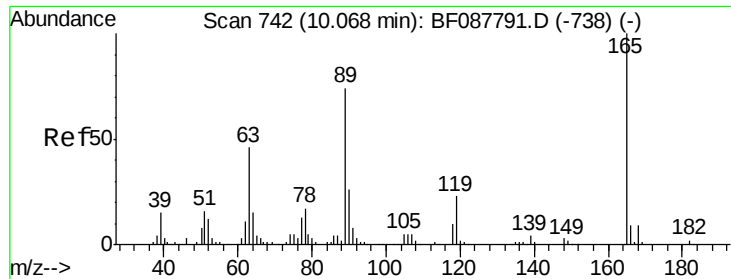


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

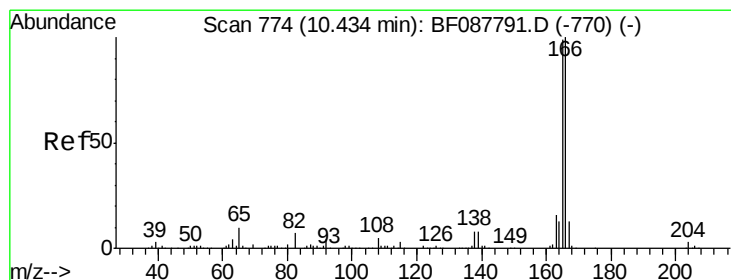
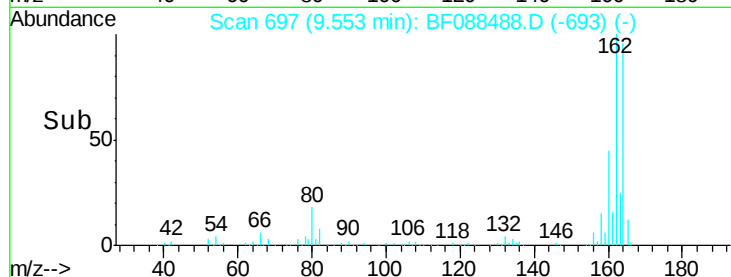
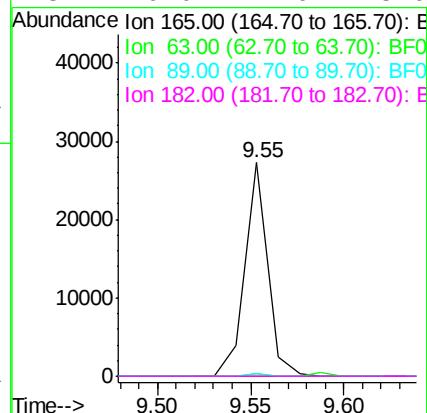
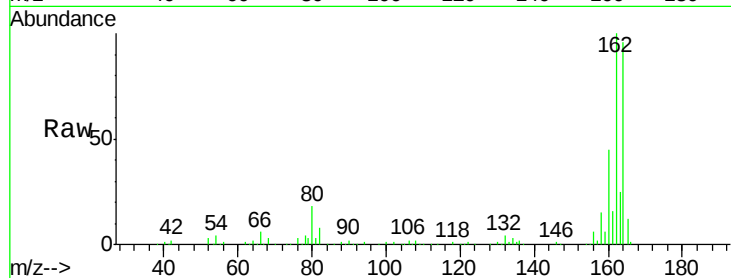




#56
2,4-Dinitrotoluene
Concen: 5.88 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.25 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

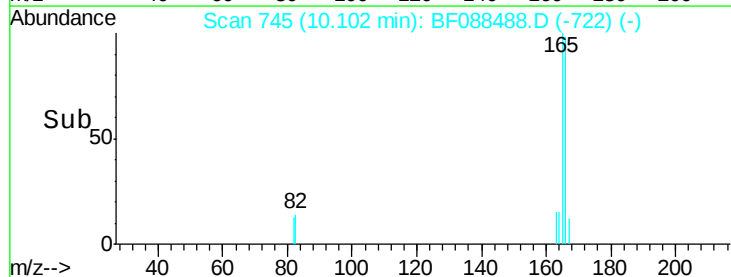
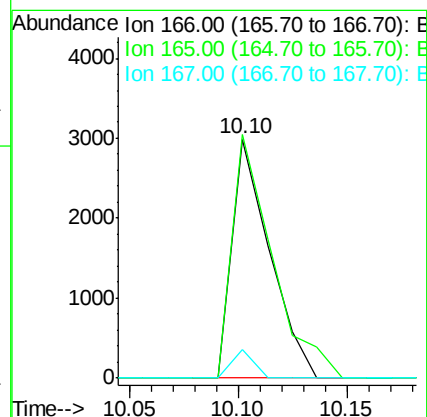
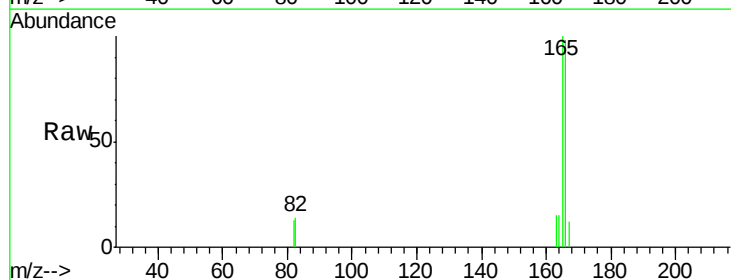
Instrument :
BNA_F
ClientSampleId :
TP-15DL

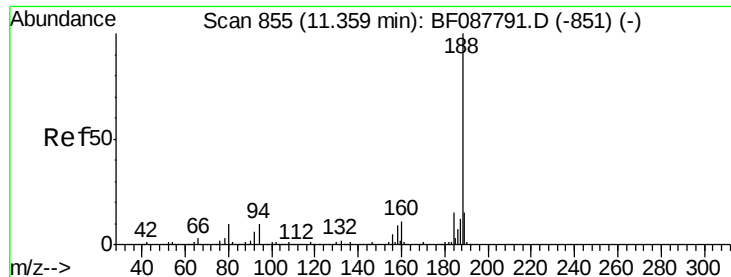
Tgt Ion:165 Resp: 23304
Ion Ratio Lower Upper
165 100
63 1.3 22.0 33.0#
89 1.1 41.1 61.7#
182 0.0 2.0 3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.10 min Scan# 745
Delta R.T. -0.03 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Tgt Ion:166 Resp: 3587
Ion Ratio Lower Upper
166 100
165 101.9 77.8 116.8
167 12.1 11.2 16.8

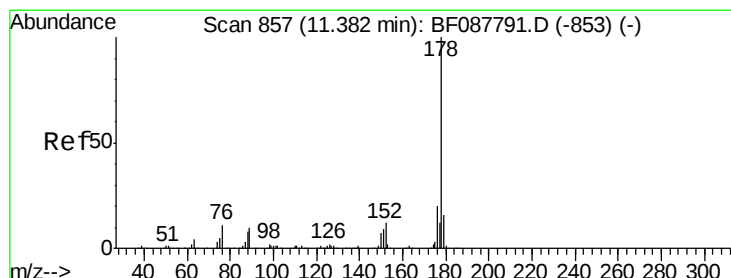
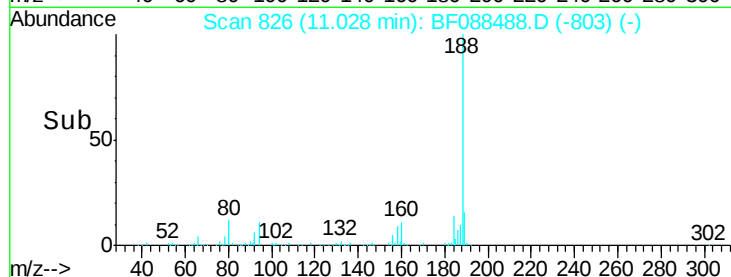
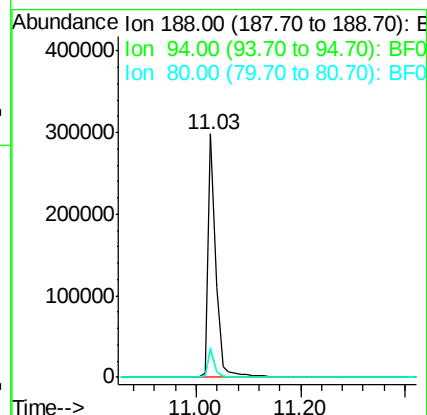
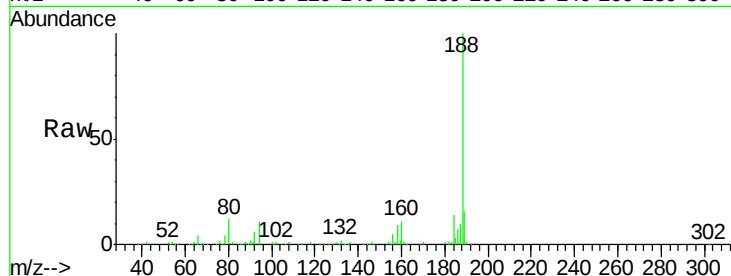




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.03 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

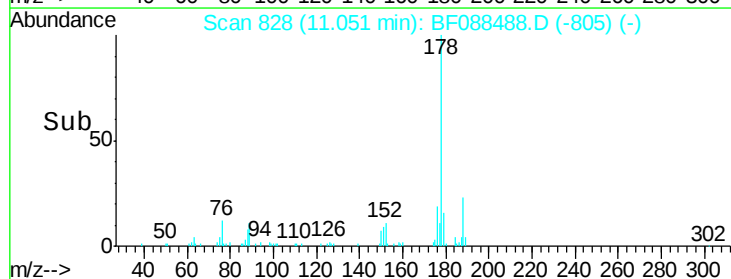
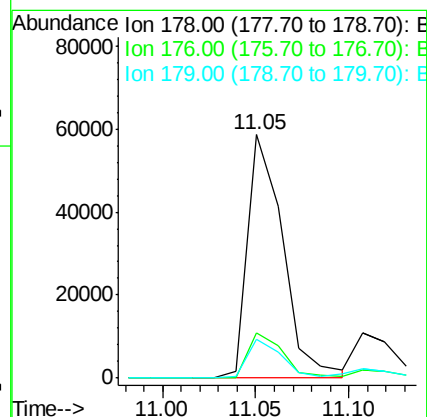
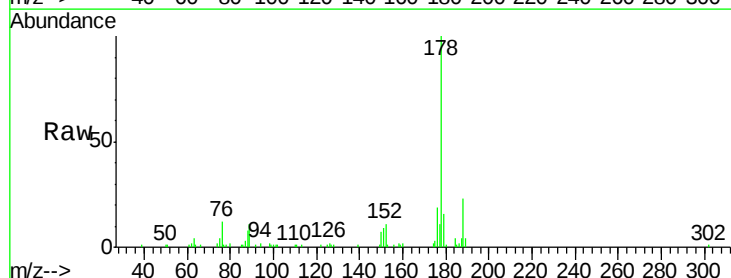
Instrument :
BNA_F
ClientSampleId :
TP-15DL

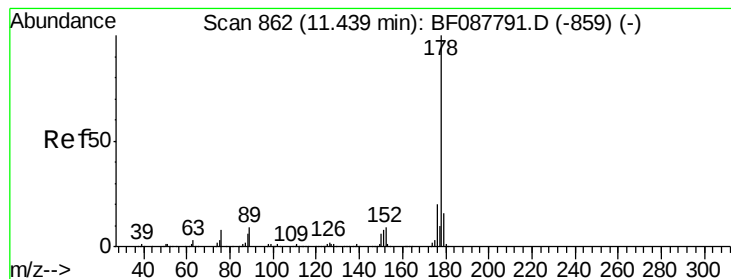
Tgt Ion:188 Resp: 316078
Ion Ratio Lower Upper
188 100
94 11.4 9.0 13.6
80 12.1 10.0 15.0



#70
Phenanthrene
Concen: 4.70 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.03 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Tgt Ion:178 Resp: 77938
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.8 13.0 19.4





#71

Anthracene

Concen: 4.66 ng

RT: 11.05 min Scan# 828

Delta R.T. -0.09 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TP-15DL

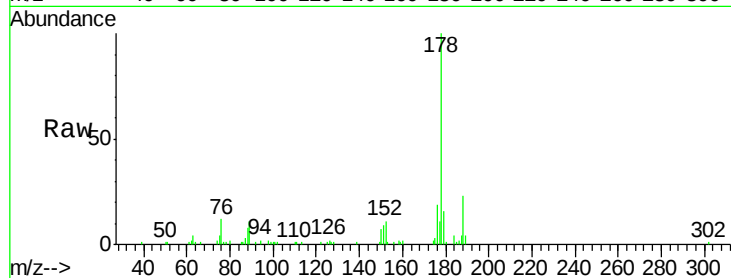
Tgt Ion:178 Resp: 77938

Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

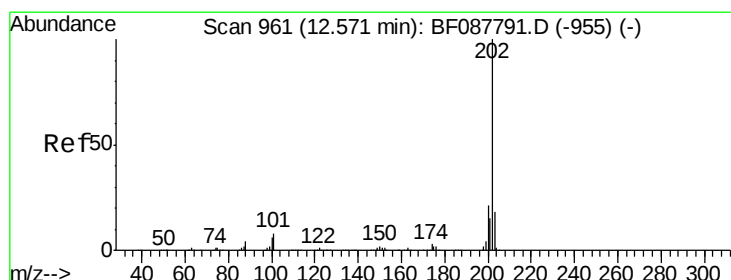
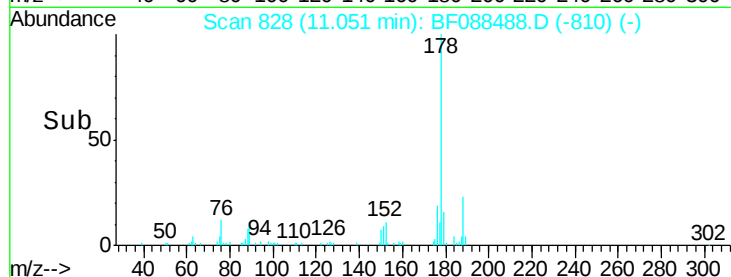
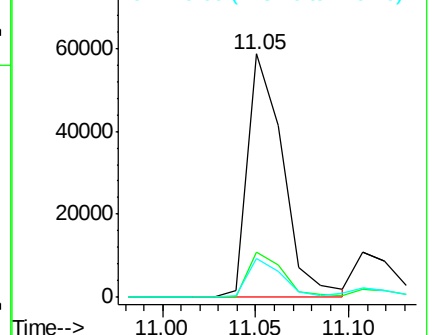
179 15.8 12.8 19.2



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: 18.97 ng

RT: 12.24 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

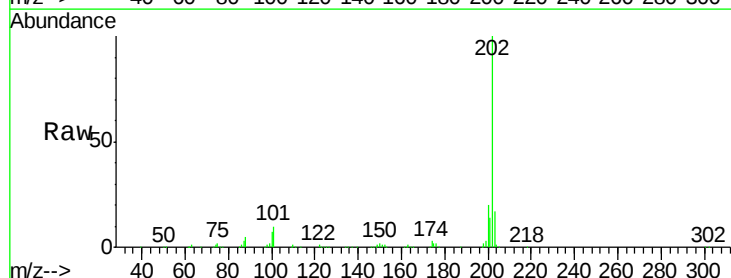
Tgt Ion:202 Resp: 332010

Ion Ratio Lower Upper

202 100

101 9.7 0.0 33.1

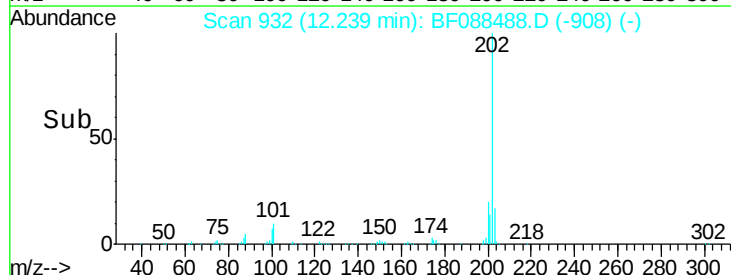
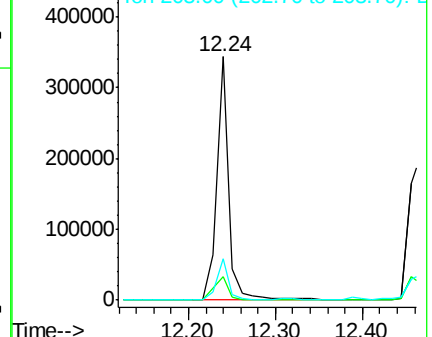
203 17.0 0.0 38.1

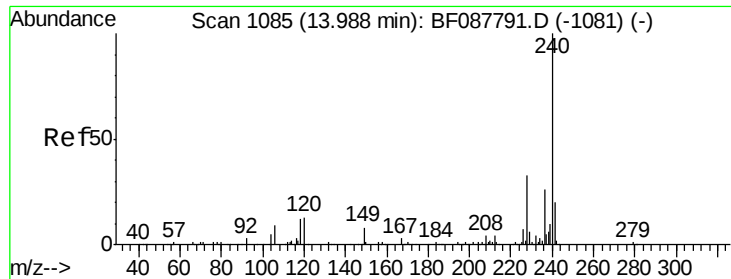


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.67 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TP-15DL

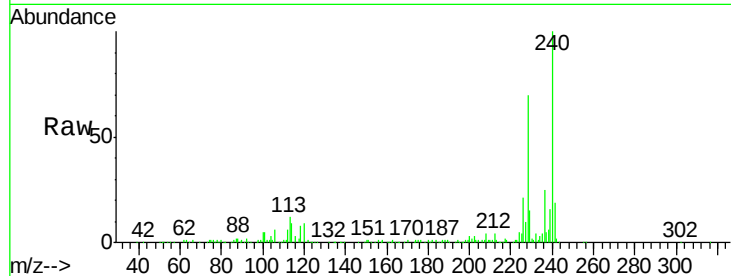
Tgt Ion:240 Resp: 198842

Ion Ratio Lower Upper

240 100

120 9.2 6.8 10.2

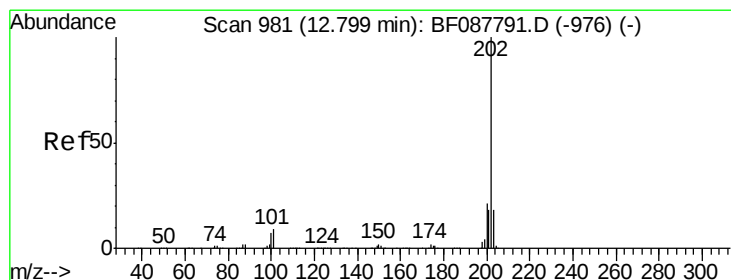
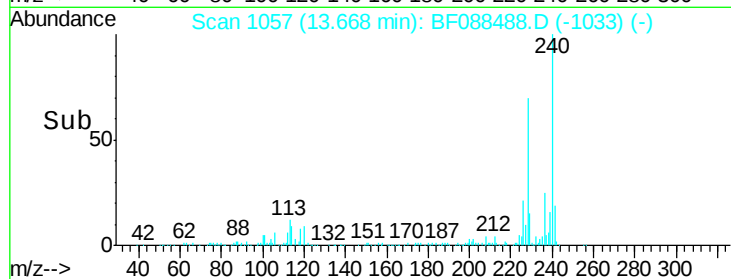
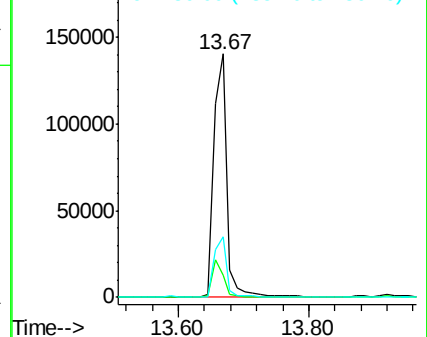
236 25.0 20.2 30.2



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: 19.12 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.02 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

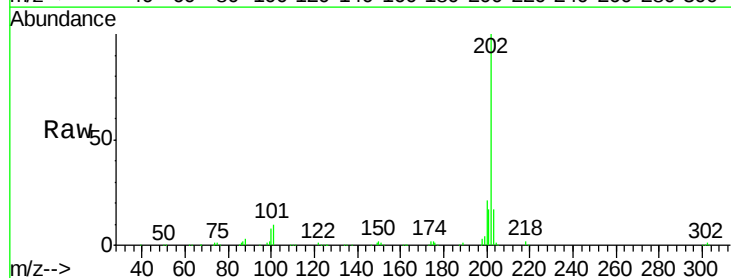
Tgt Ion:202 Resp: 282085

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

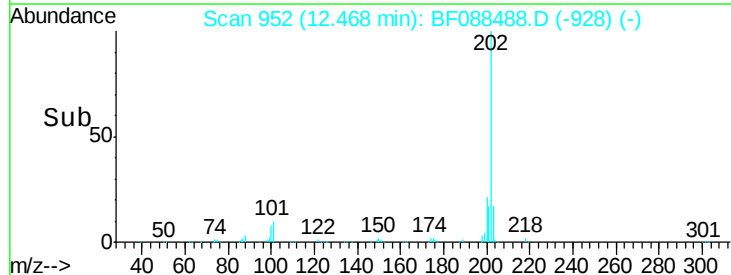
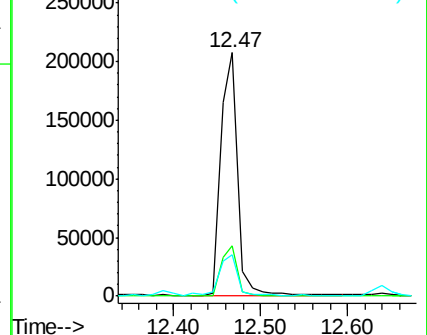
203 17.1 14.5 21.7

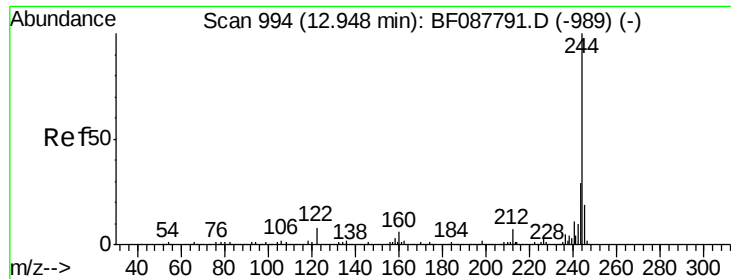


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

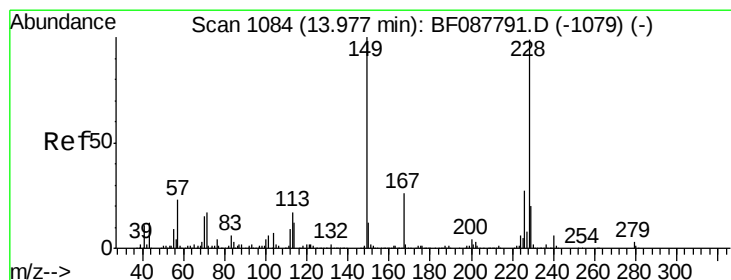
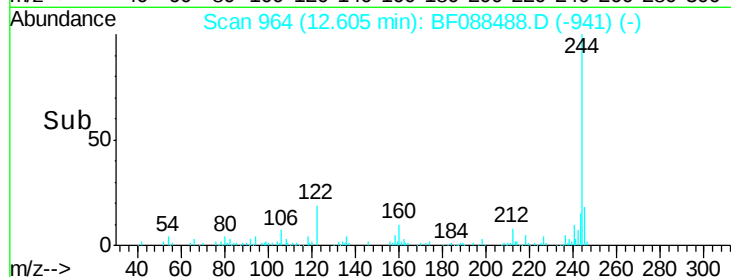
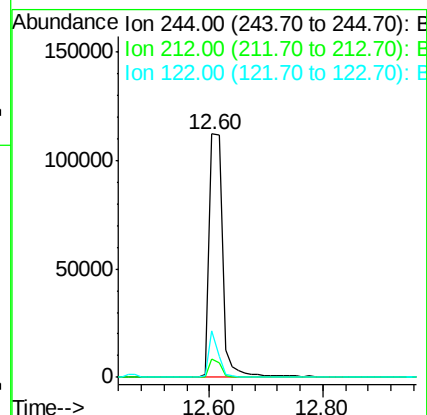
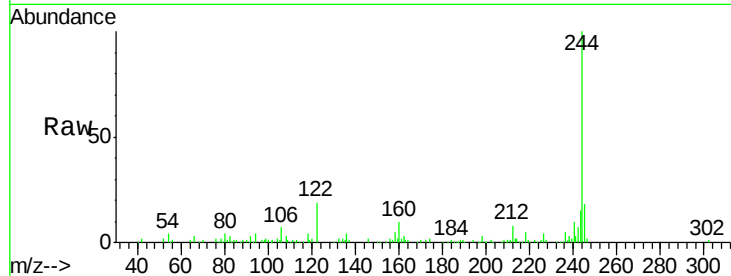




#78
 Terphenyl-d14
 Concen: 20.25 ng
 RT: 12.60 min Scan# 964
 Delta R.T. -0.03 min
 Lab File: BF088488.D
 Acq: 28 Jun 2016 19:38

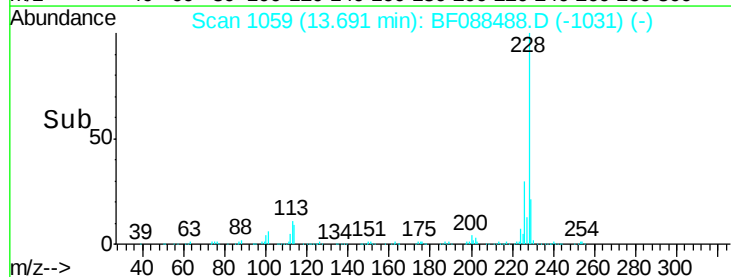
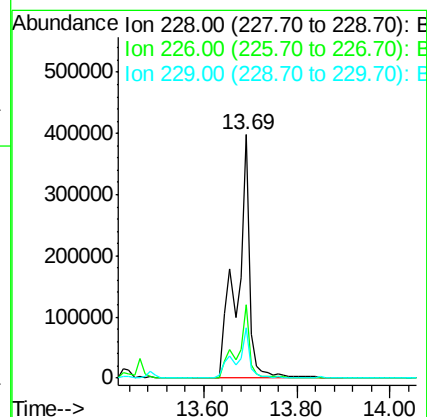
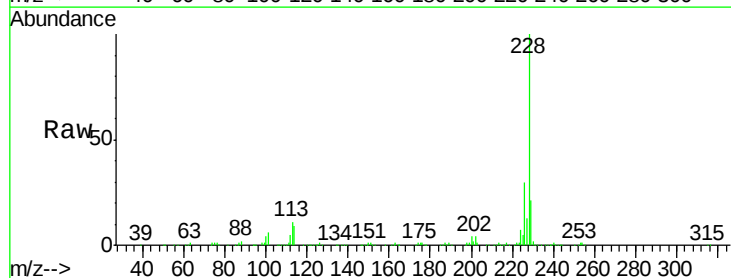
Instrument :
 BNA_F
 ClientSampled :
 TP-15DL

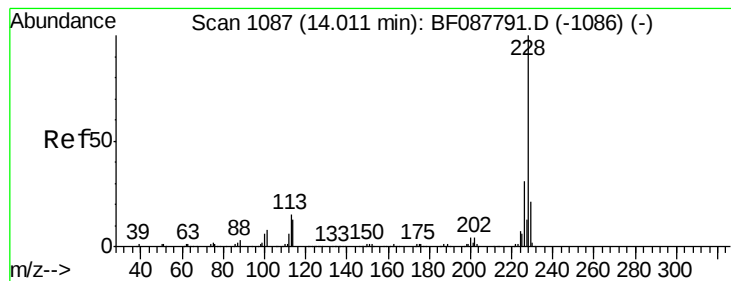
Tgt Ion:244 Resp: 176918
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 18.9 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 66.48 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. 0.02 min
 Lab File: BF088488.D
 Acq: 28 Jun 2016 19:38

Tgt Ion:228 Resp: 753325
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.3 33.5
 229 20.6 16.0 24.0





#82

Chrysene

Concen: 70.85 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.02 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TP-15DL

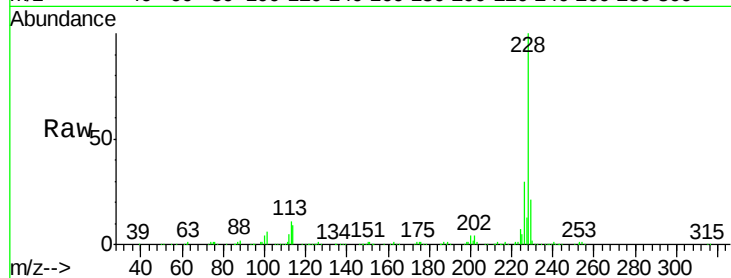
Tgt Ion:228 Resp: 755242

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.2

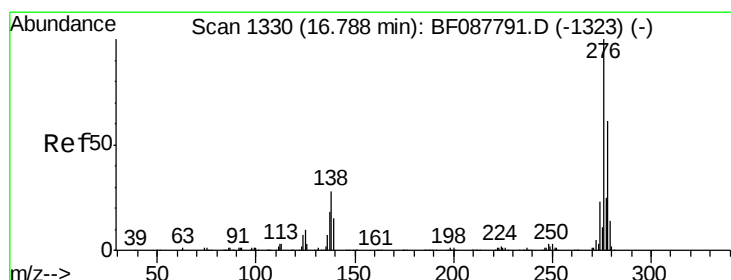
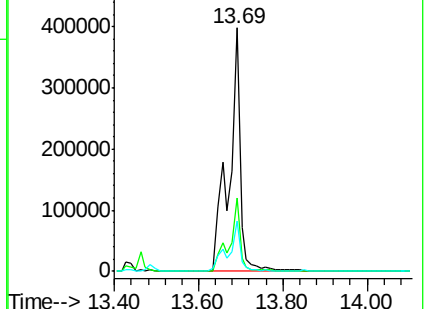
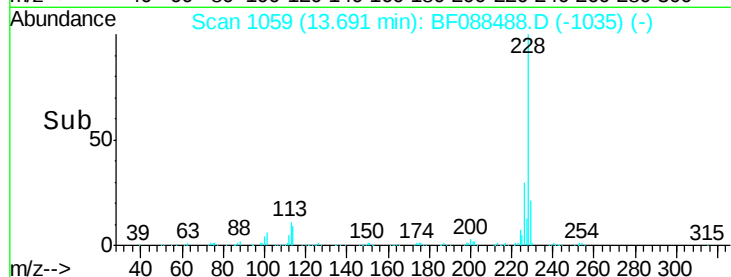
229 20.6 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.00 ng

RT: 16.24 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

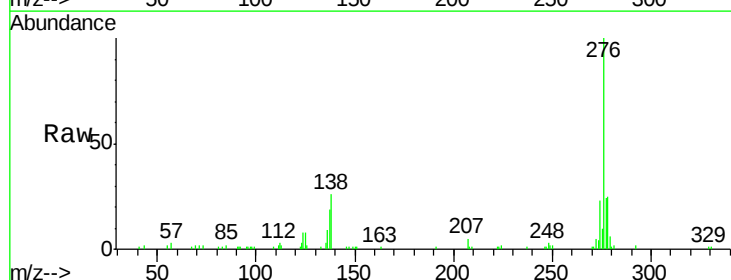
Tgt Ion:276 Resp: 79271

Ion Ratio Lower Upper

276 100

138 30.4 0.0 0.0#

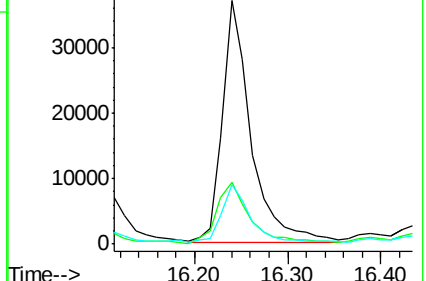
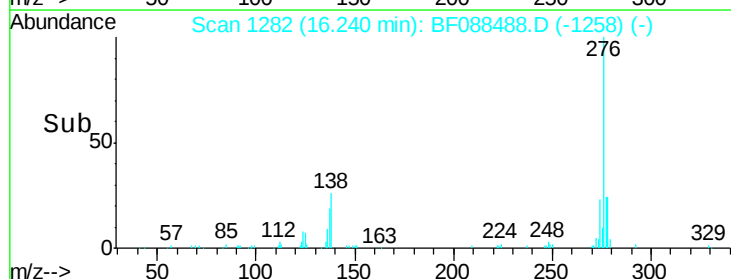
277 23.7 0.0 0.0#

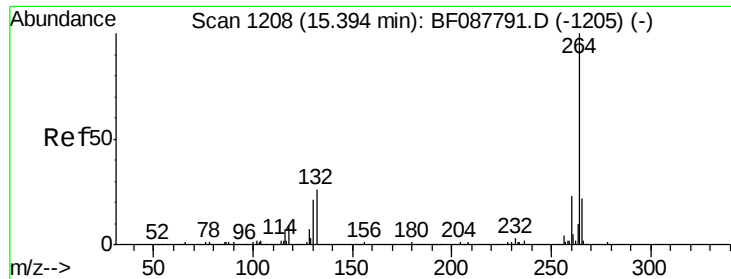


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



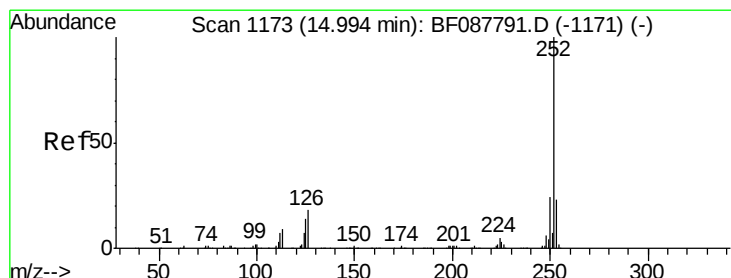
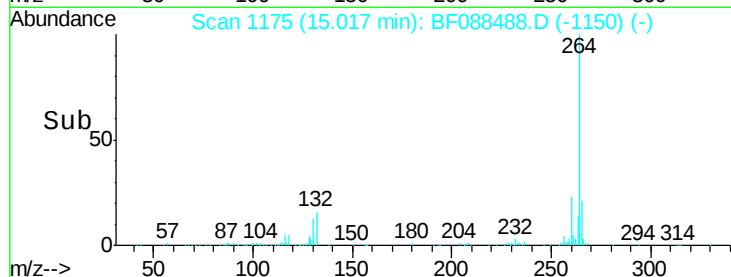
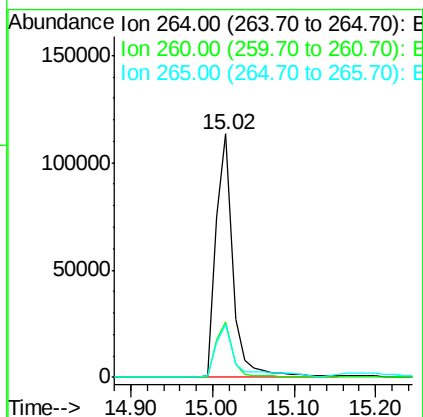
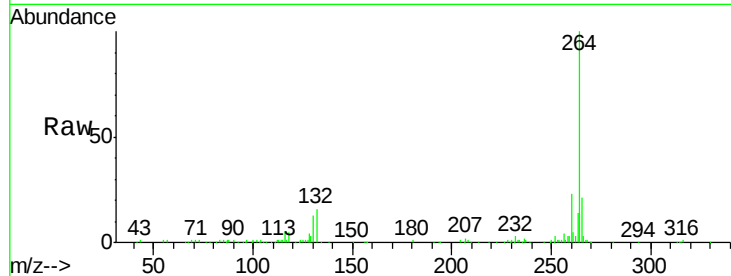


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Instrument :
BNA_F
ClientSampleID :
TP-15DL

Tgt Ion: 264 Resp: 164263

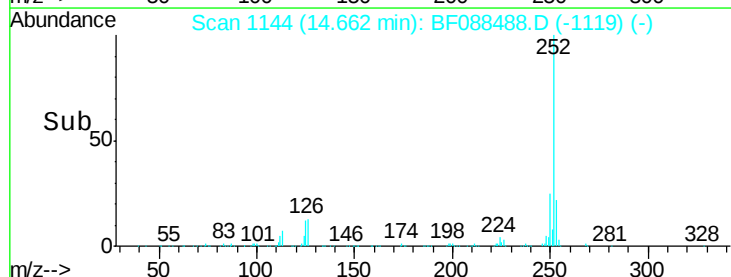
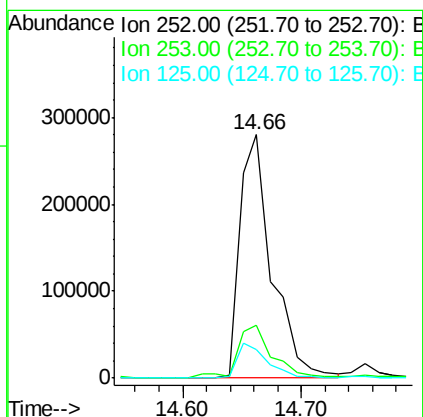
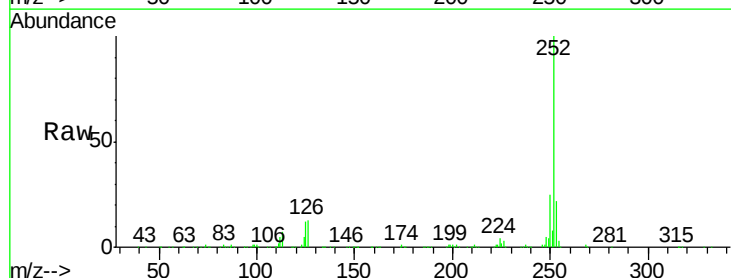
Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.5	16.9	25.3

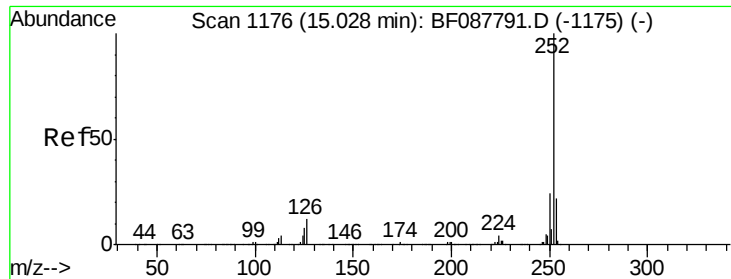


#87
Benzo(b)fluoranthene
Concen: 46.16 ng
RT: 14.66 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Tgt Ion: 252 Resp: 528494

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	11.7	7.1	10.7

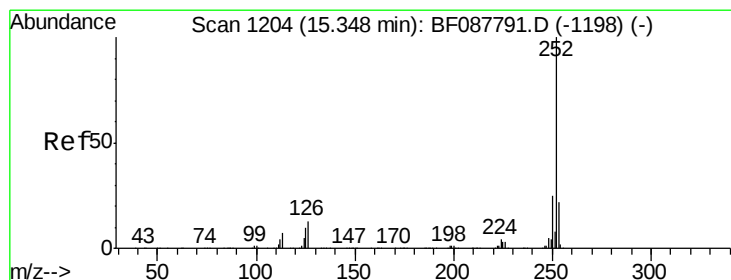
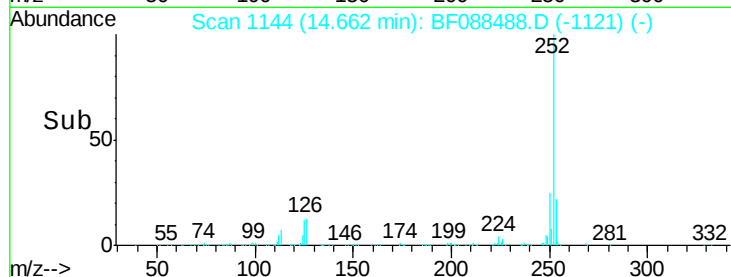
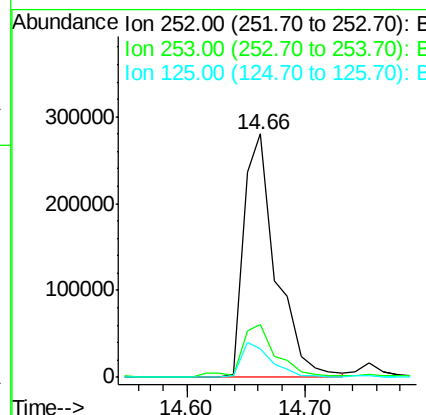
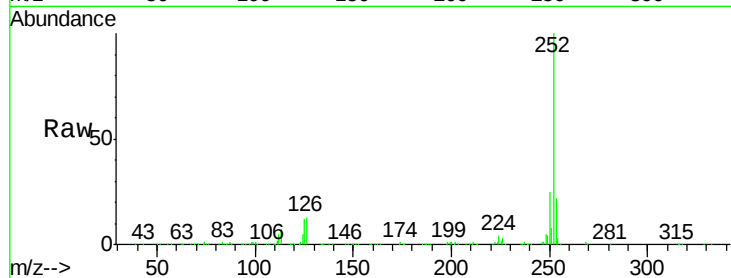




#88
Benzo(k)fluoranthene
Concen: 61.19 ng
RT: 14.66 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

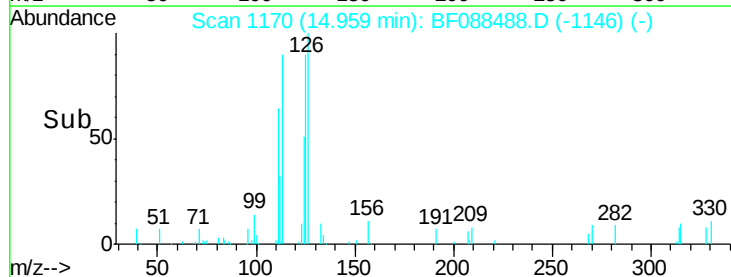
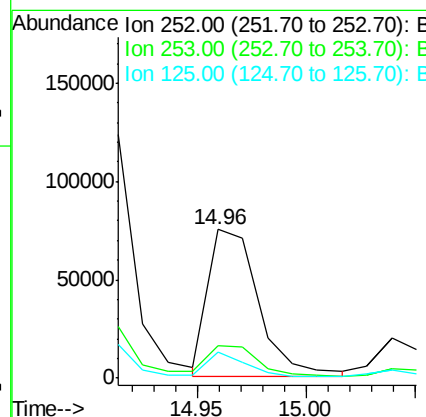
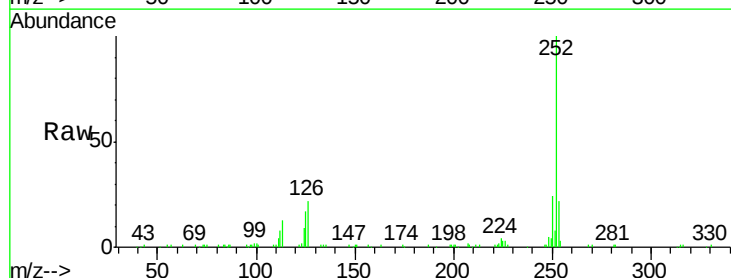
Instrument :
BNA_F
ClientSampleId :
TP-15DL

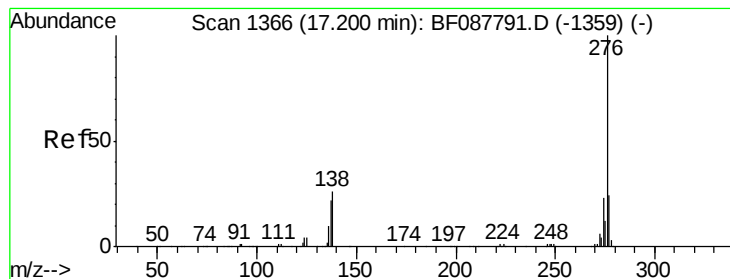
Tgt Ion:252 Resp: 528494
Ion Ratio Lower Upper
252 100
253 21.8 18.0 27.0
125 11.7 11.2 16.8



#89
Benzo(a)pyrene
Concen: 13.08 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088488.D
Acq: 28 Jun 2016 19:38

Tgt Ion:252 Resp: 121138
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 17.4 12.5 18.7





#91

Benzo(g,h,i)perylene

Concen: 9.60 ng

RT: 16.61 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF088488.D

Acq: 28 Jun 2016 19:38

Instrument :

BNA_F

ClientSampleId :

TP-15DL

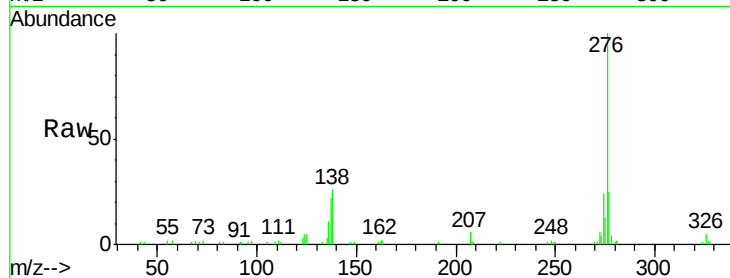
Tgt Ion: 276 Resp: 84930

Ion Ratio Lower Upper

276 100

277 24.8 18.9 28.3

138 26.4 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

