

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088428.D
 Acq On : 26 Jun 2016 19:55
 Operator : UM/SJ
 Sample : H3663-15 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Quant Time: Jun 27 03:57:36 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

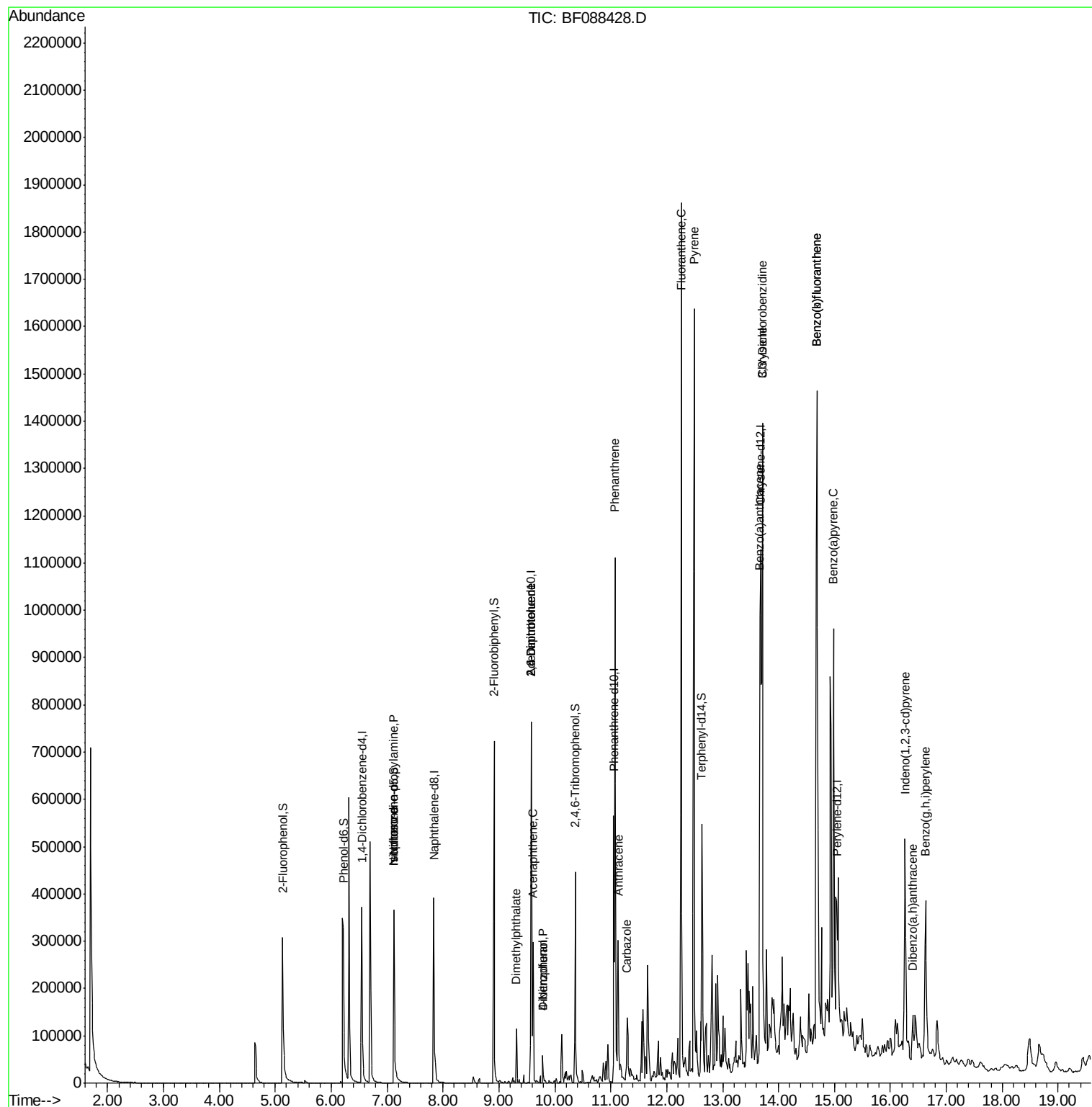
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	80368	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	323994	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	147895	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	241064	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	152743	20.00	ng	-0.07
86) Perylene-d12	15.04	264	169328	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	207107	44.05	ng	-0.05
7) Phenol-d6	6.22	99	275872	48.42	ng	-0.05
23) Nitrobenzene-d5	7.12	82	168627	30.39	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	57675	36.93	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	304857	28.71	ng	-0.06
78) Terphenyl-d14	12.63	244	186427	27.77	ng	-0.07
Target Compounds						
10) Phenol	6.23	94	717	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	20222	5.55 ng	#	70
25) Isophorone	7.12	82	164120	15.97 ng	#	65
45) 1,1'-Biphenyl	9.02	154	1985	Below Cal		99
49) Dimethylphthalate	9.31	163	50786	4.74 ng		99
50) 2,6-Dinitrotoluene	9.58	165	18653	7.60 ng	#	40
51) Acenaphthene	9.61	154	74071	7.80 ng		98
54) Dibenzofuran	9.78	168	30385	2.32 ng		91
55) 4-Nitrophenol	9.78	139	10714	4.88 ng	#	5
56) 2,4-Dinitrotoluene	9.58	165	18653	5.92 ng	#	38
57) Fluorene	10.12	166	38057	Below Cal		99
70) Phenanthrene	11.07	178	543268	42.95 ng		99
71) Anthracene	11.13	178	163607	12.82 ng		97
72) Carbazole	11.29	167	94272	7.90 ng		98
74) Fluoranthene	12.26	202	844428	63.26 ng		99
77) Pyrene	12.49	202	809182	71.39 ng		99
80) Benzo(a)anthracene	13.67	228	587857	67.54 ng		97
81) 3,3'-Dichlorobenzidine	13.71	252	5048	2.16 ng	#	1
82) Chrysene	13.71	228	580258	70.86 ng		97
85) Indeno(1,2,3-cd)pyrene	16.26	276	298685	39.26 ng	#	100
87) Benzo(b)fluoranthene	14.69	252	1082361	91.71 ng	#	96
88) Benzo(k)fluoranthene	14.69	252	1082361	121.58 ng		98
89) Benzo(a)pyrene	14.98	252	489245	51.24 ng		99
90) Dibenzo(a,h)anthracene	16.40	278	54228	6.11 ng		96
91) Benzo(g,h,i)perylene	16.63	276	267076	29.28 ng		97

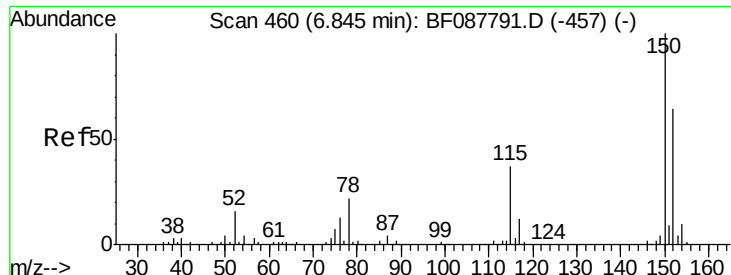
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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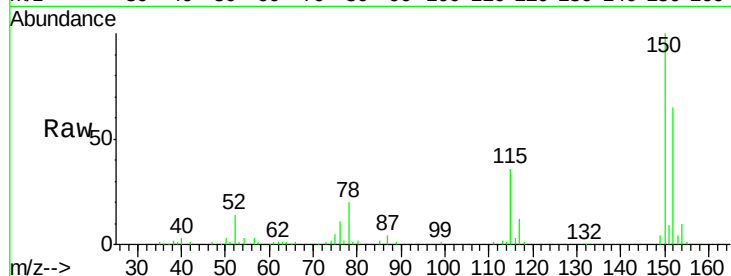


#1

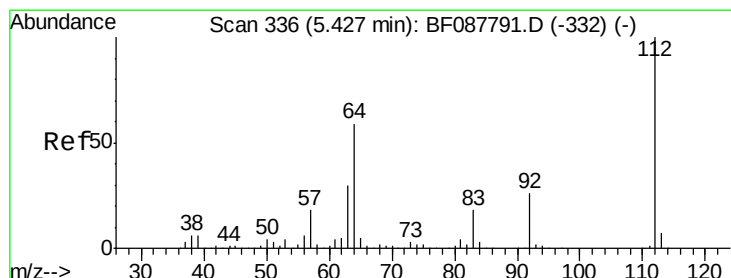
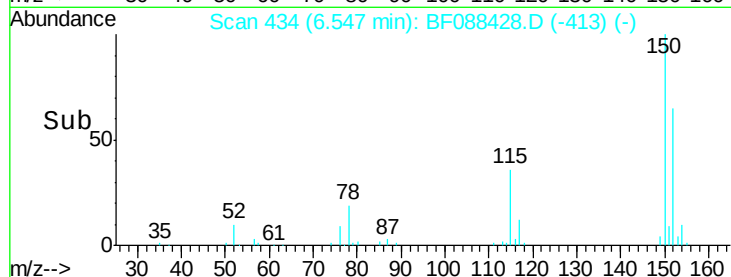
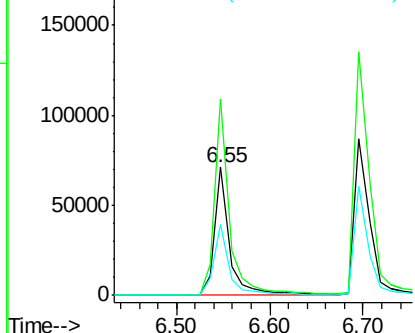
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.06 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion:152 Resp: 80368
Ion Ratio Lower Upper
152 100
150 152.9 123.8 185.6
115 55.8 39.6 59.4



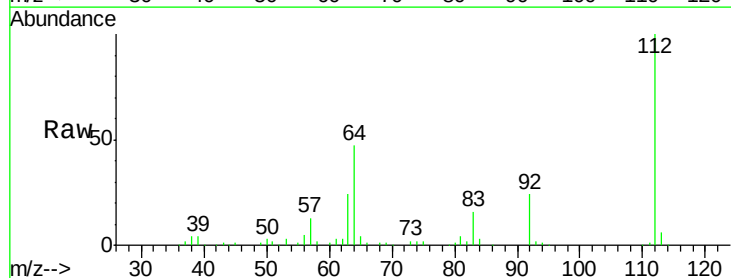
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



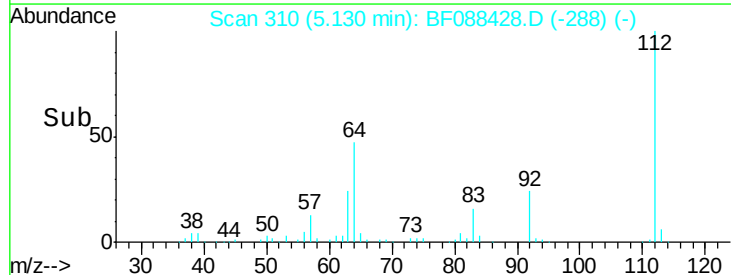
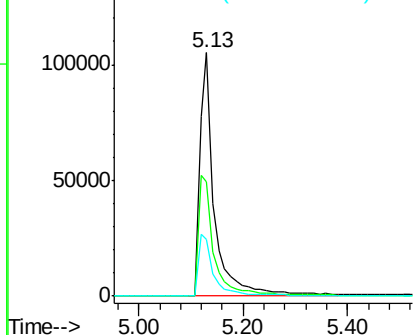
#5

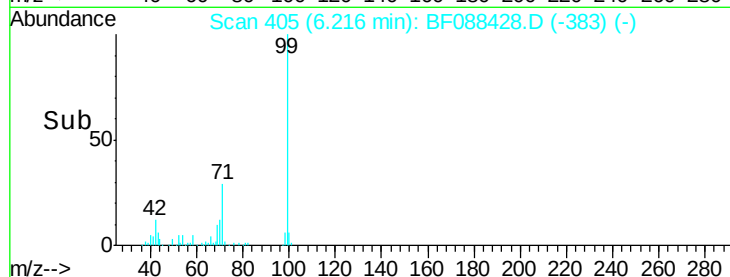
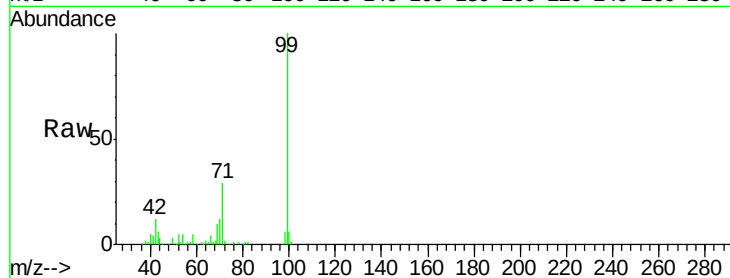
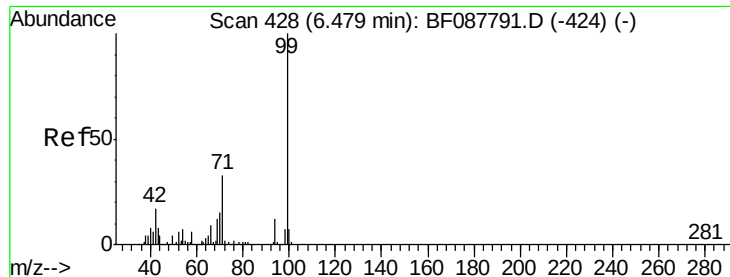
2-Fluorophenol
Concen: 44.05 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.05 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion:112 Resp: 207107
Ion Ratio Lower Upper
112 100
64 46.7 42.2 63.2
63 23.5 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: 48.42 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

ClientSampled :

TP-8

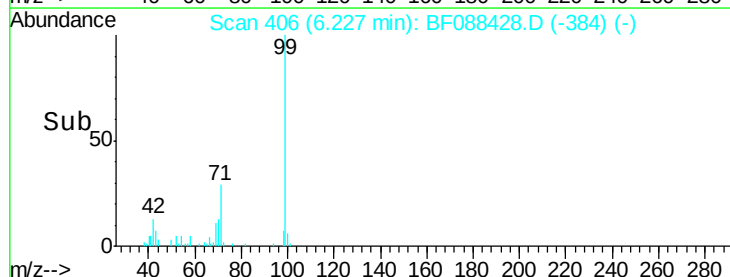
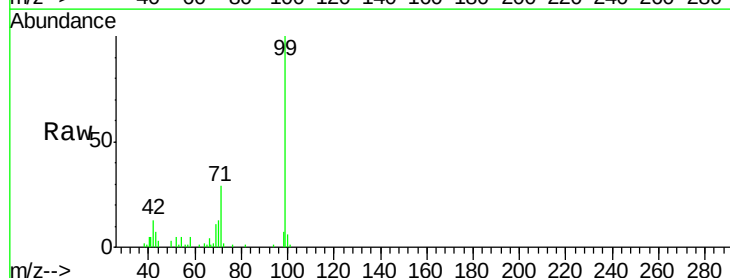
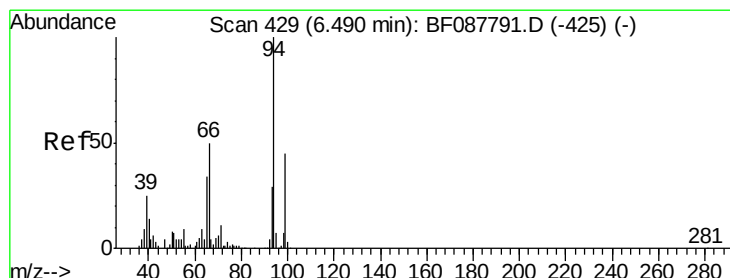
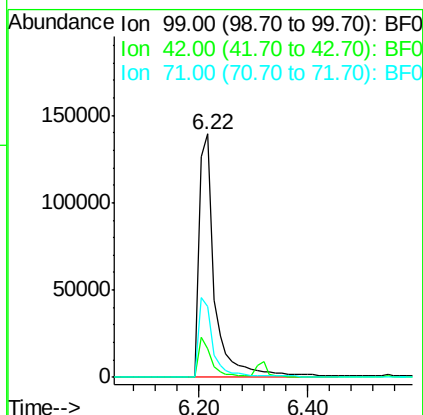
Tot Ion: 99 Resp: 275872

Ion Ratio Lower Upper

99 100

42 11.9 12.2 18.2#

71 28.9 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.23 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

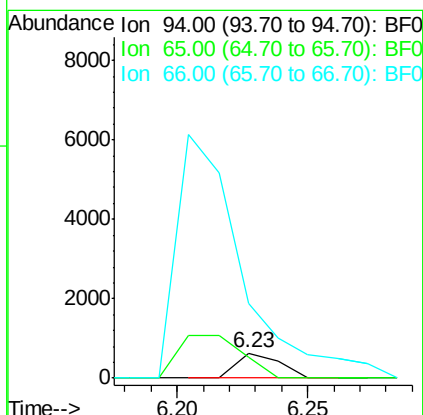
Tgt Ion: 94 Resp: 717

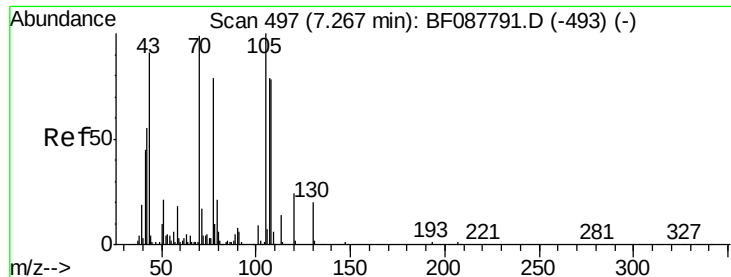
Ion Ratio Lower Upper

94 100

65 82.0 5.9 45.9#

66 299.4 14.0 54.0#

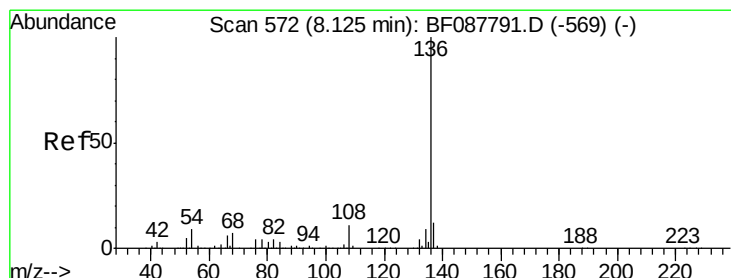
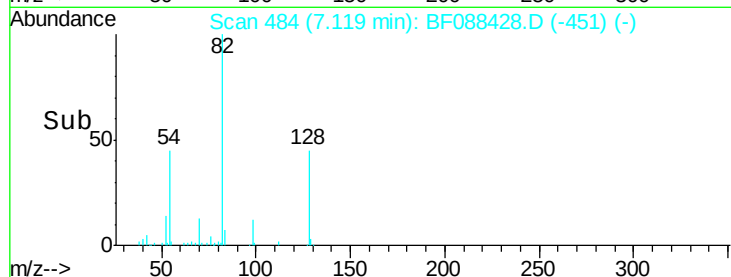
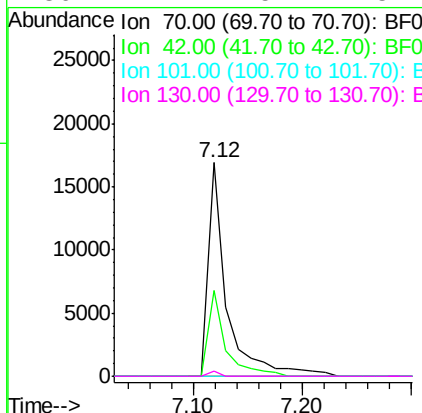
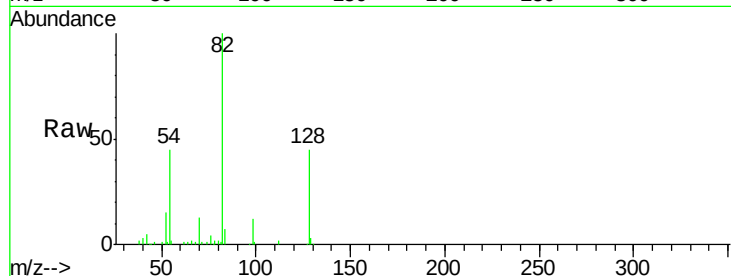




#19
n-Nitroso-di-n-propylamine
Concen: 5.55 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.08 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

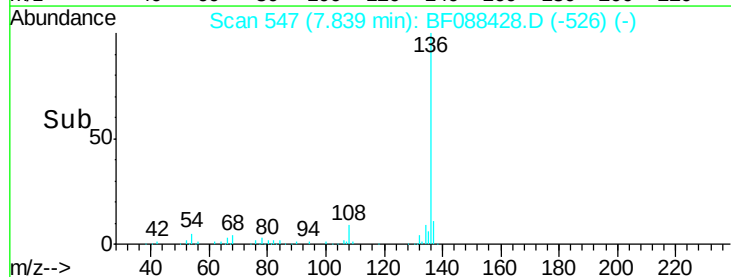
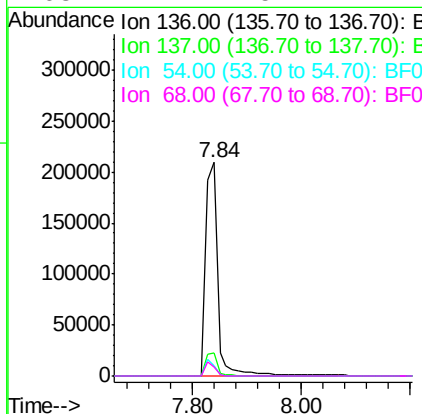
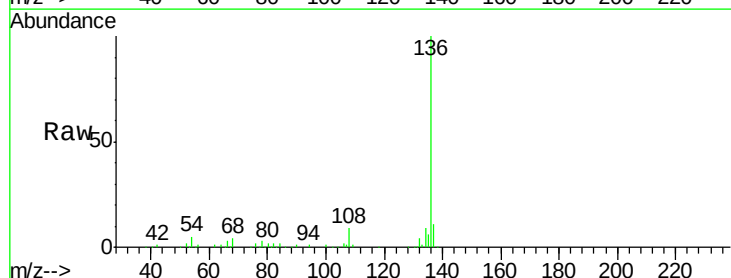
Instrument :
BNA_F
ClientSampled :
TP-8

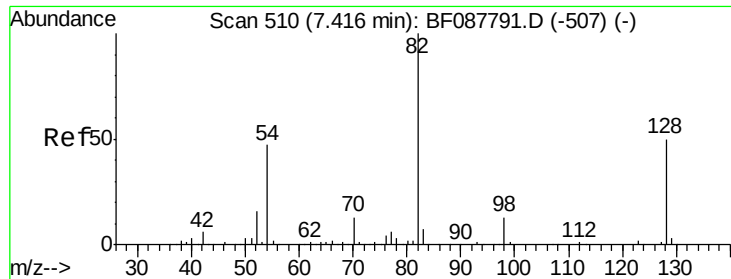
Tot Ion: 70 Resp: 20222
Ion Ratio Lower Upper
70 100
42 40.3 49.6 74.4#
101 0.0 7.1 10.7#
130 2.7 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion: 136 Resp: 323994
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 4.7 6.6 10.0#
68 4.2 5.1 7.7#

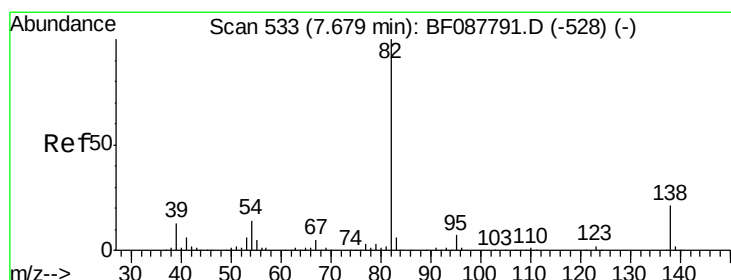
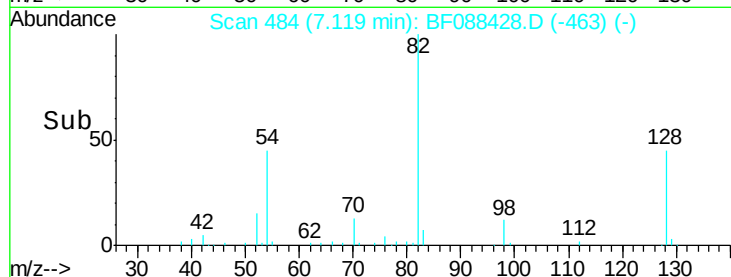
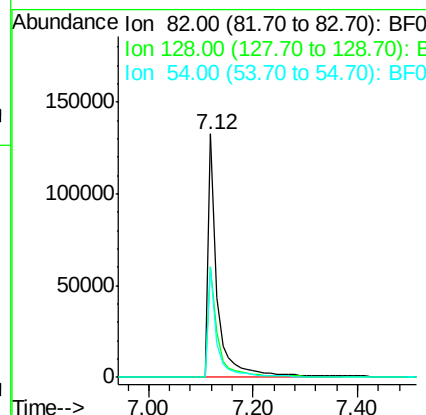
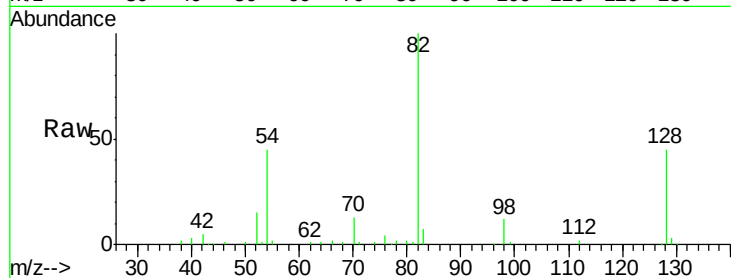




#23
Nitrobenzene-d5
Concen: 30.39 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.06 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

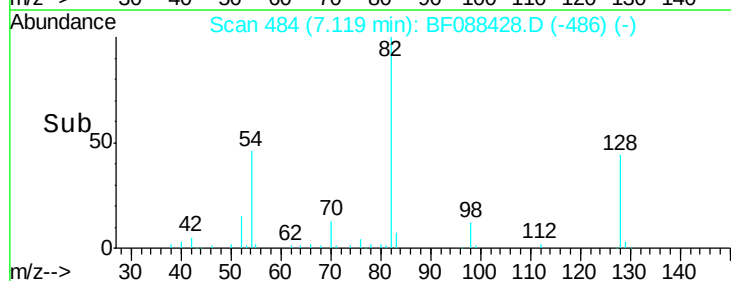
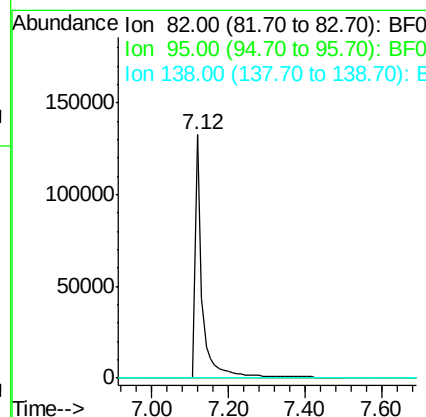
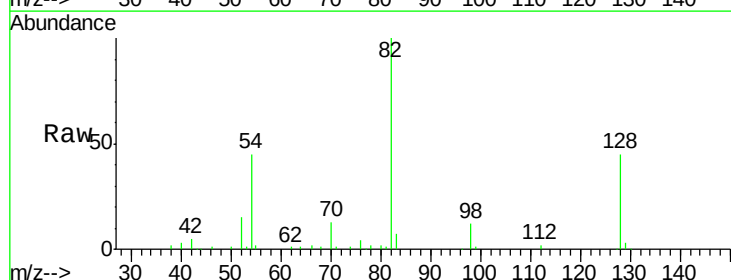
Instrument :
BNA_F
ClientSampled :
TP-8

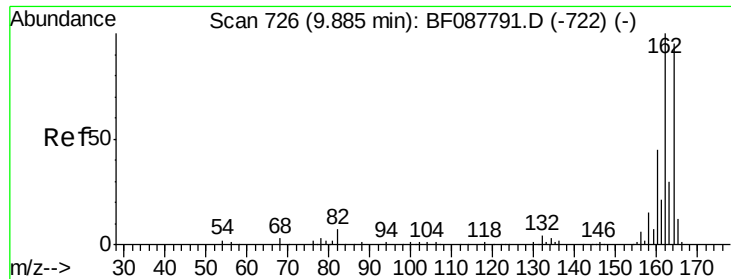
Tot Ion: 82 Resp: 168627
Ion Ratio Lower Upper
82 100
128 45.4 35.9 53.9
54 45.4 40.9 61.3



#25
Isophorone
Concen: 15.97 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.32 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion: 82 Resp: 164120
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.6 21.8#

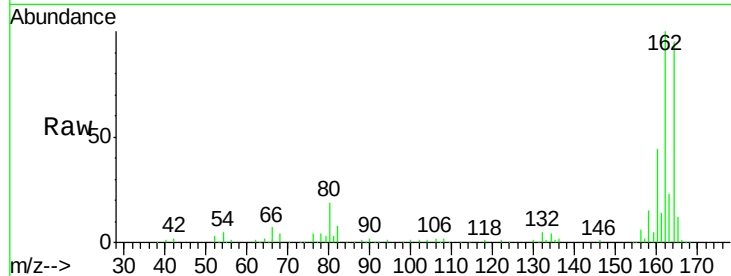




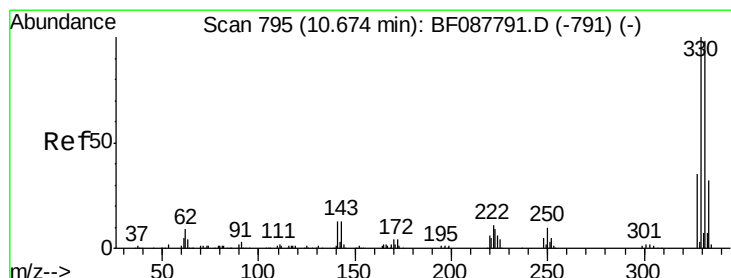
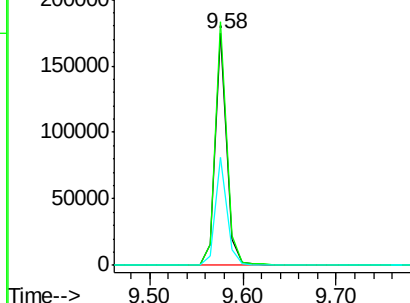
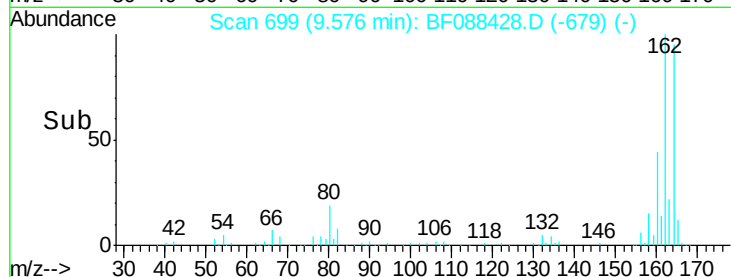
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion:164 Resp: 147895
Ion Ratio Lower Upper
164 100
162 105.0 85.4 128.2
160 46.5 39.5 59.3

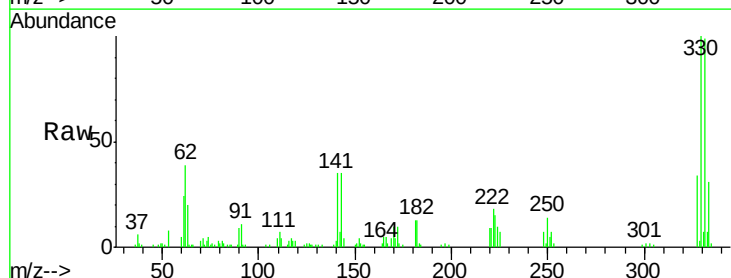


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

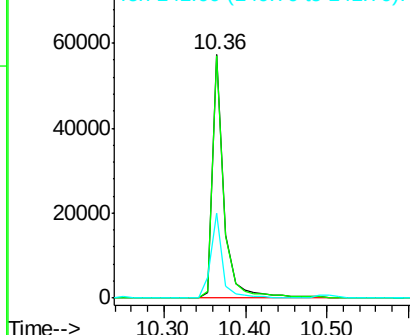
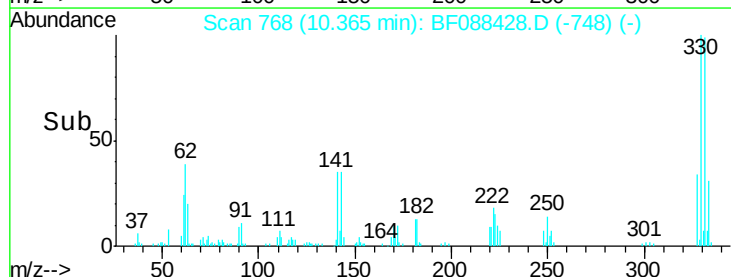


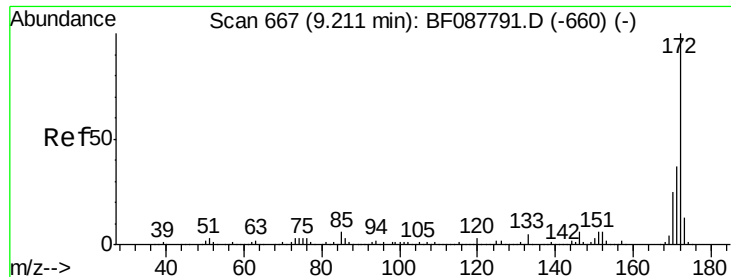
#41
2,4,6-Tribromophenol
Concen: 36.93 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion:330 Resp: 57675
Ion Ratio Lower Upper
330 100
332 98.5 0.0 0.0#
141 36.3 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

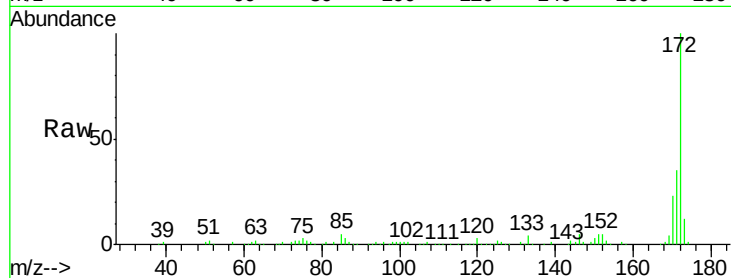




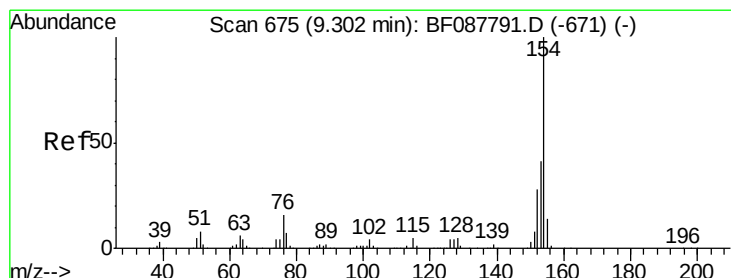
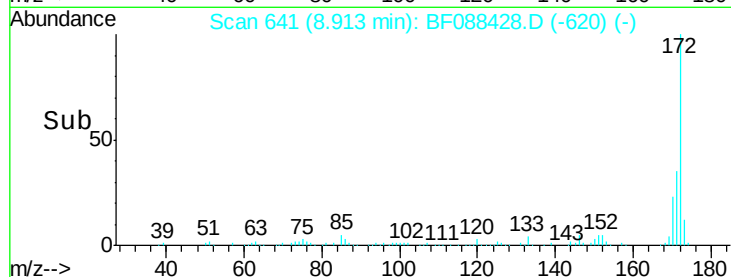
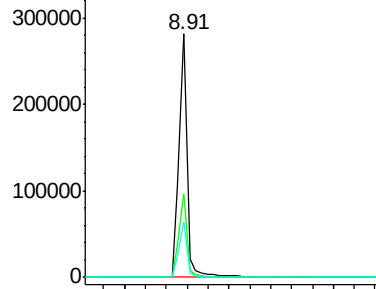
#44
2-Fluorobiphenyl
Concen: 28.71 na
RT: 8.91 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion:172 Resp: 304857
Ion Ratio Lower Upper
172 100
171 34.6 28.6 43.0
170 22.9 19.2 28.8

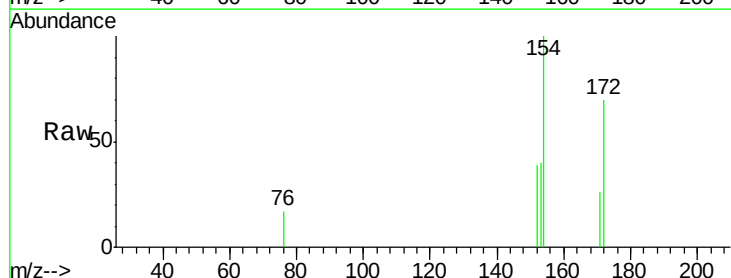


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

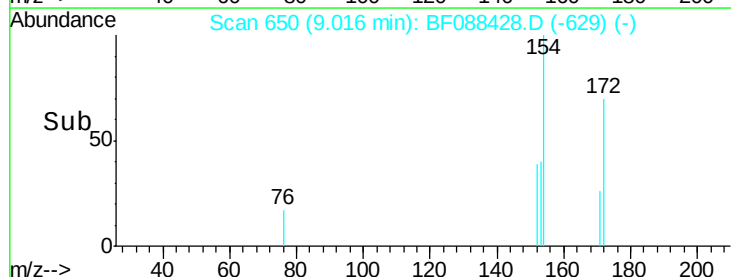
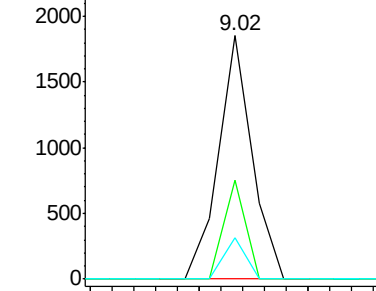


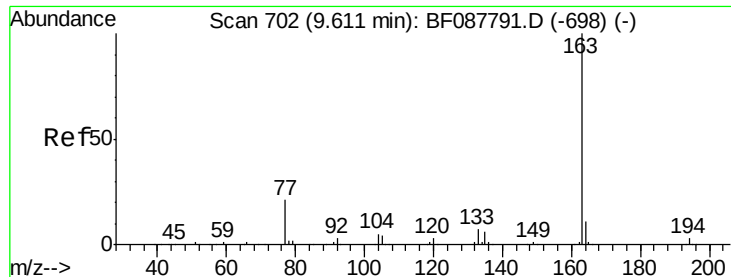
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.02 min Scan# 650
Delta R.T. -0.06 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion:154 Resp: 1985
Ion Ratio Lower Upper
154 100
153 40.5 20.6 60.6
76 17.0 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





#49

Dimethylphthalate

Concen: 4.74 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.07 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

ClientSampleId :

TP-8

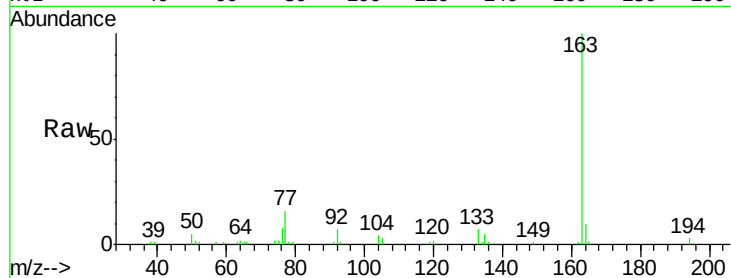
Tot Ion:163 Resp: 50786

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

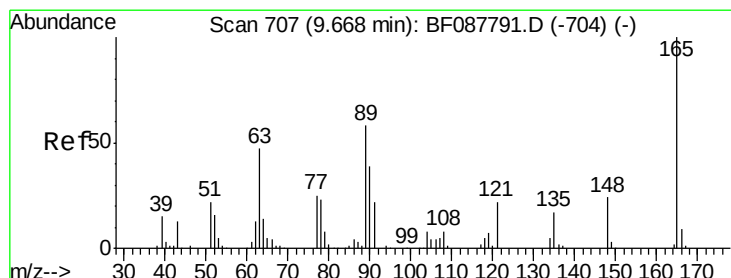
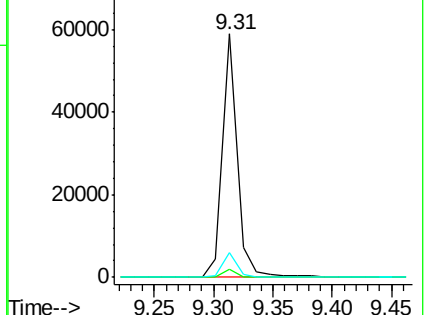
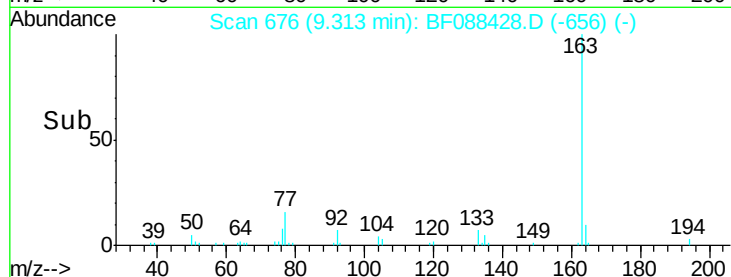
164 10.1 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.60 ng

RT: 9.58 min Scan# 699

Delta R.T. 0.13 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

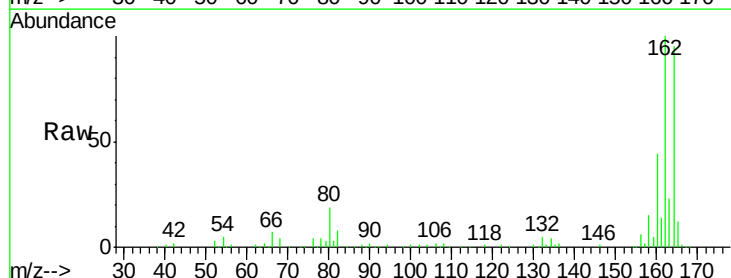
Tgt Ion:165 Resp: 18653

Ion Ratio Lower Upper

165 100

63 1.4 28.1 42.1#

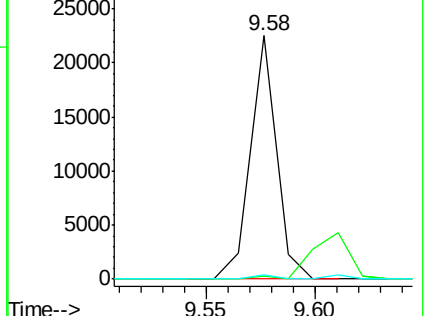
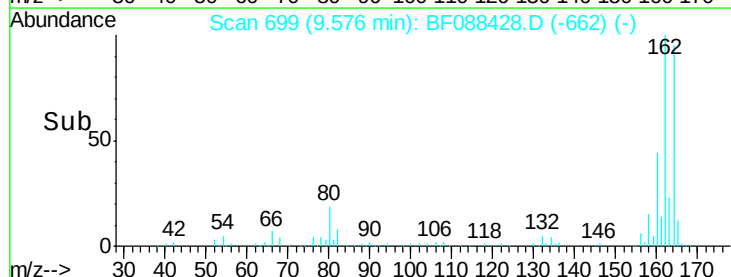
89 1.8 32.2 48.2#

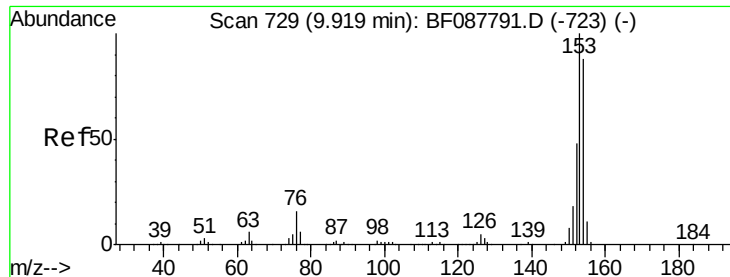


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 7.80 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.07 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

ClientSampleId :

TP-8

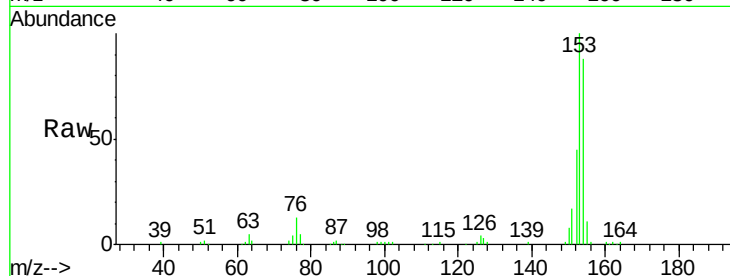
Tot Ion:154 Resp: 74071

Ion Ratio Lower Upper

154 100

153 114.1 89.5 134.3

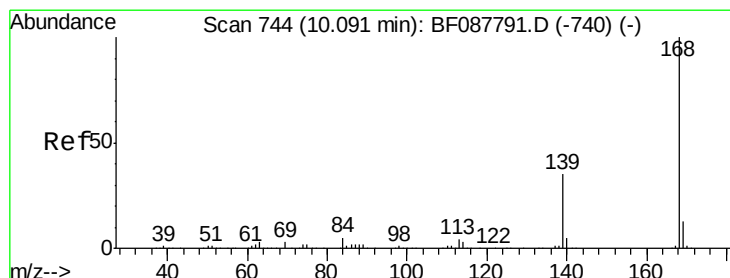
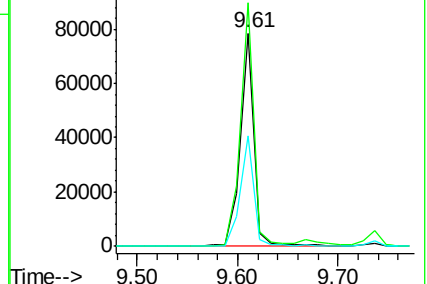
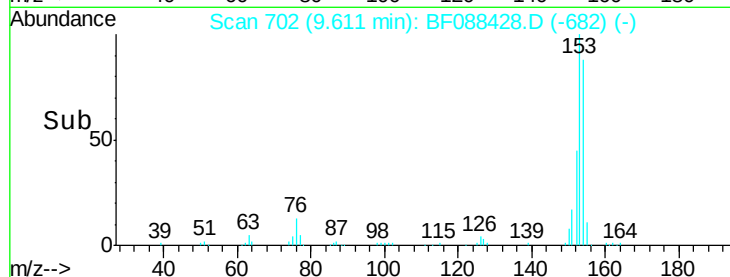
152 51.8 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.32 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.07 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

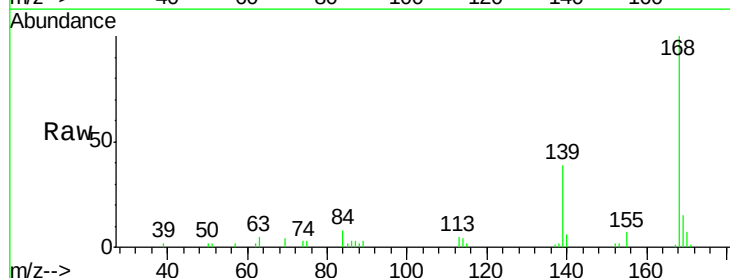
Tgt Ion:168 Resp: 30385

Ion Ratio Lower Upper

168 100

139 38.7 26.4 39.6

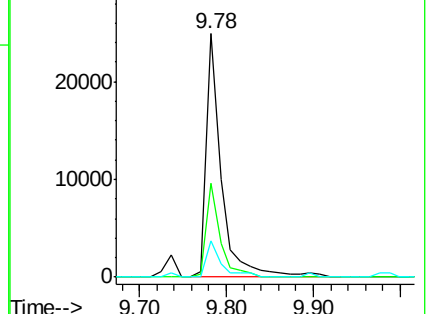
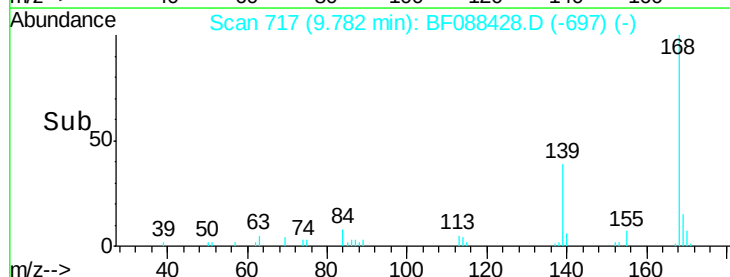
169 14.9 10.4 15.6

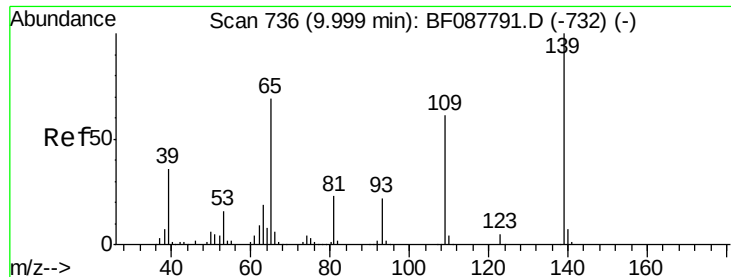


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 4.88 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

ClientSampleId :

TP-8

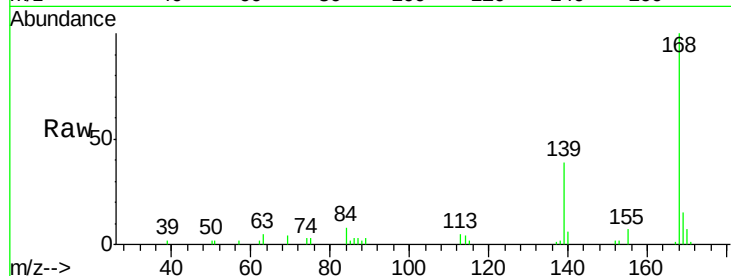
Tot Ion:139 Resp: 10714

Ion Ratio Lower Upper

139 100

109 0.0 48.9 88.9#

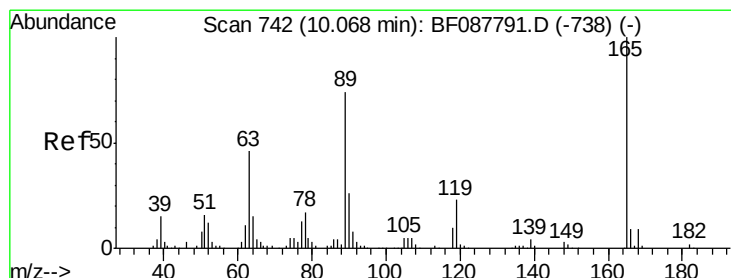
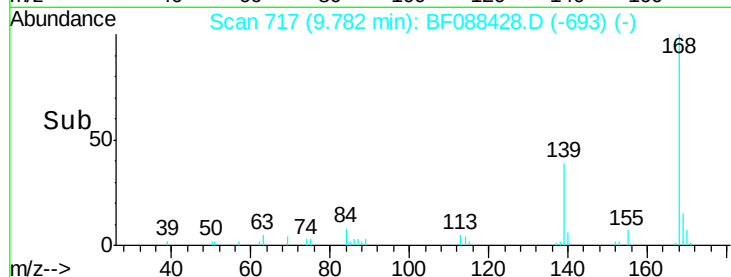
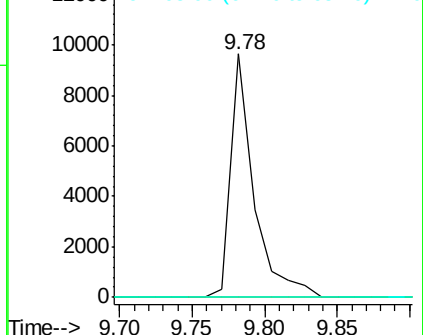
65 0.0 84.9 124.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 5.92 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.27 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Tgt Ion:165 Resp: 18653

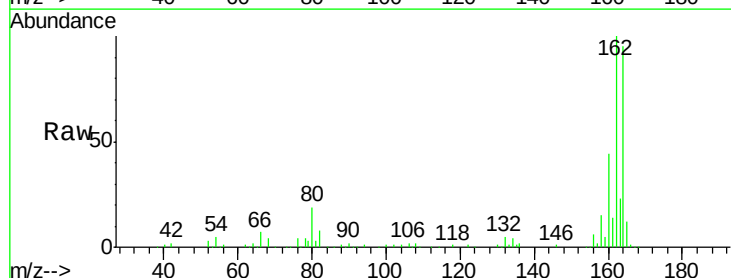
Ion Ratio Lower Upper

165 100

63 1.4 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#

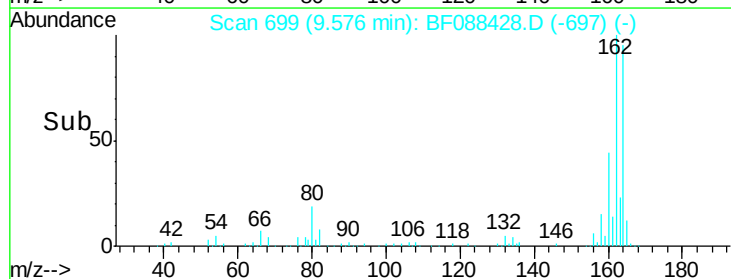
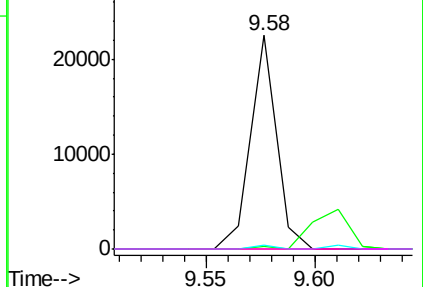


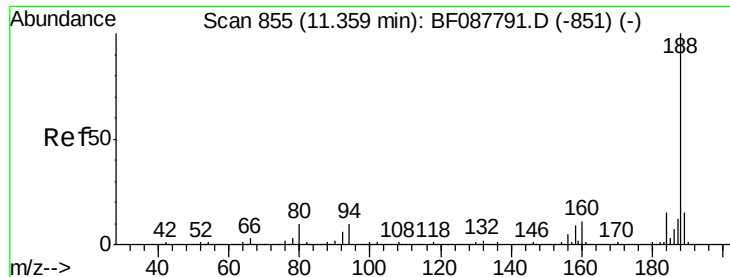
Abundance Ion 165.00 (164.70 to 165.70): E

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

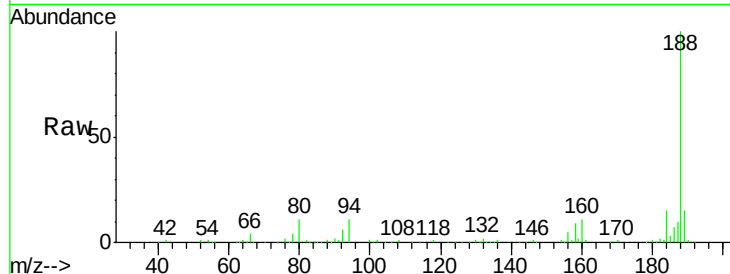




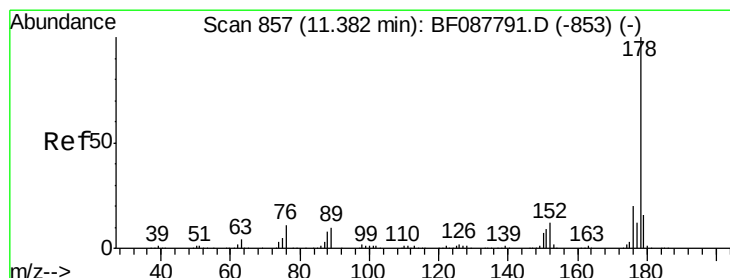
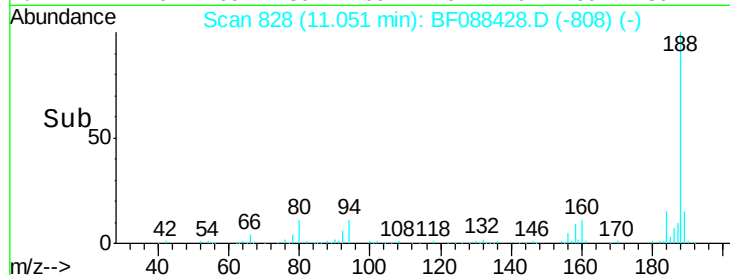
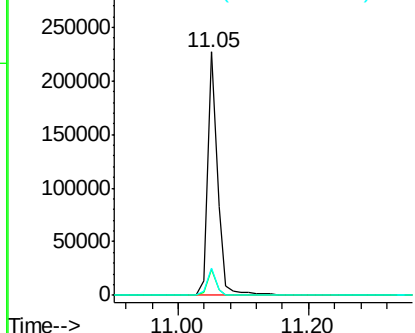
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion:188 Resp: 241064
Ion Ratio Lower Upper
188 100
94 10.6 9.0 13.6
80 11.1 10.0 15.0

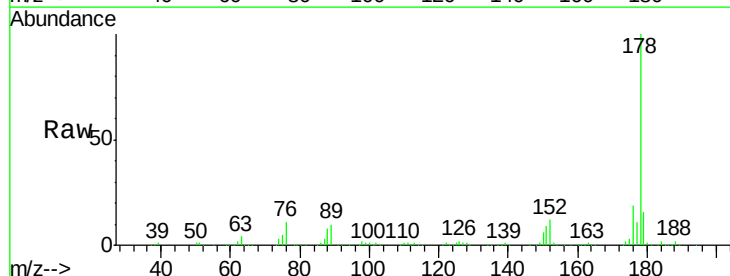


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

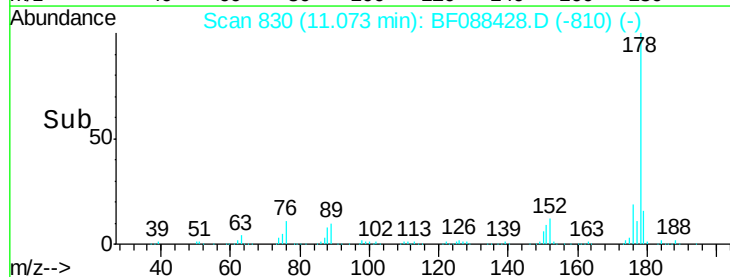
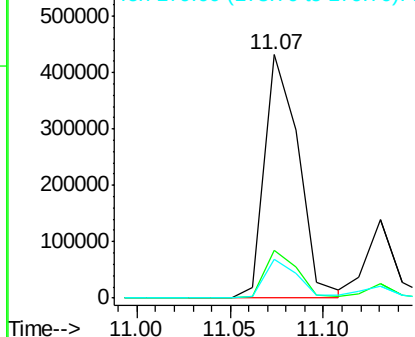


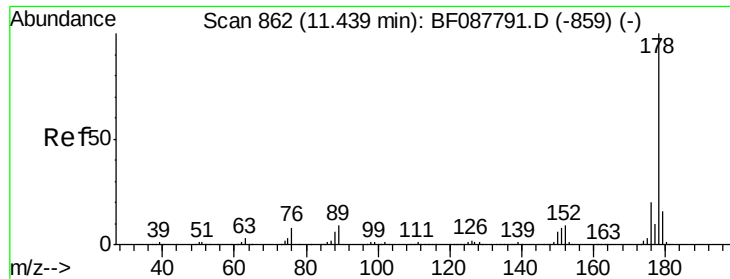
#70
Phenanthrene
Concen: 42.95 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion:178 Resp: 543268
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.8 13.0 19.4



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

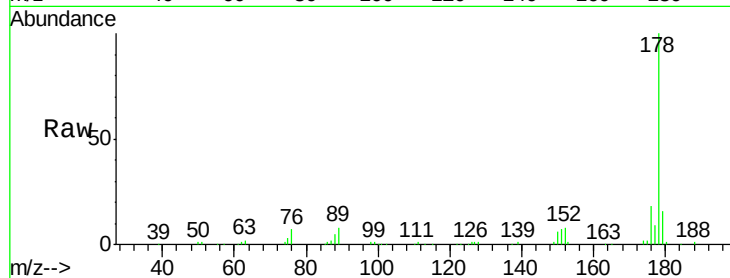




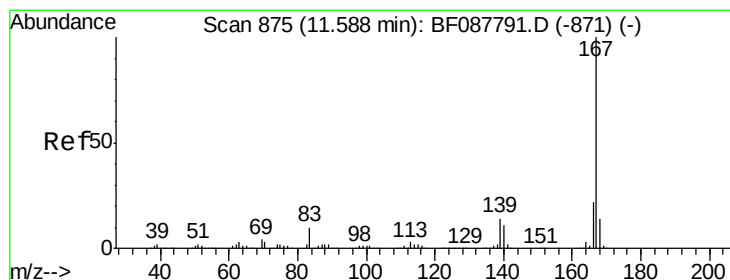
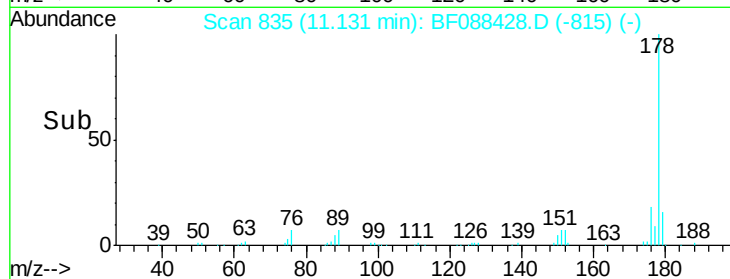
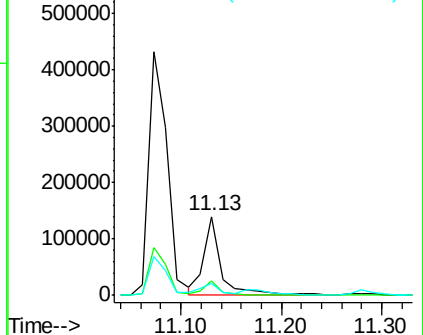
#71
 Anthracene
 Concen: 12.82 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.07 min
 Lab File: BF088428.D
 Acq: 26 Jun 2016 19:55

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion:178 Resp: 163607
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.6 23.4
 179 15.5 12.8 19.2

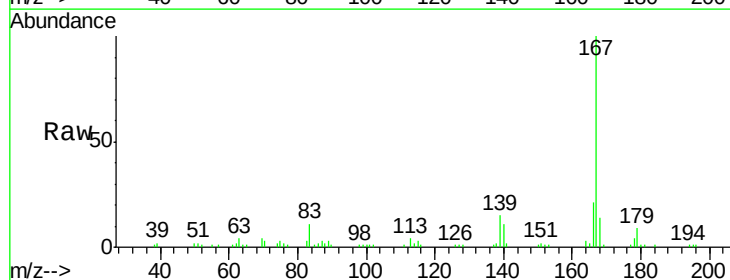


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

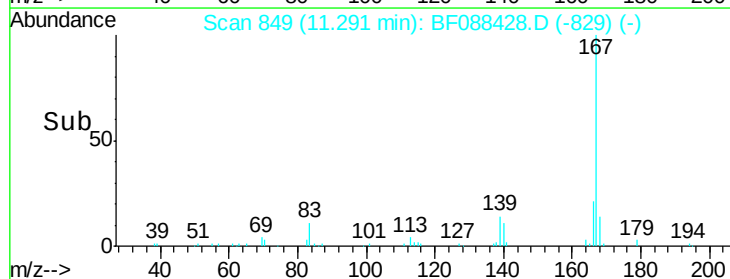
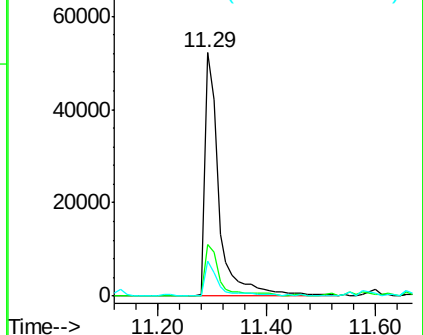


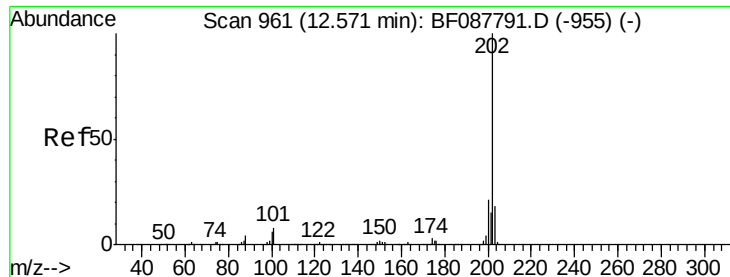
#72
 Carbazole
 Concen: 7.90 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.07 min
 Lab File: BF088428.D
 Acq: 26 Jun 2016 19:55

Tgt Ion:167 Resp: 94272
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.8 26.6
 139 14.5 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 63.26 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

ClientSampleId :

TP-8

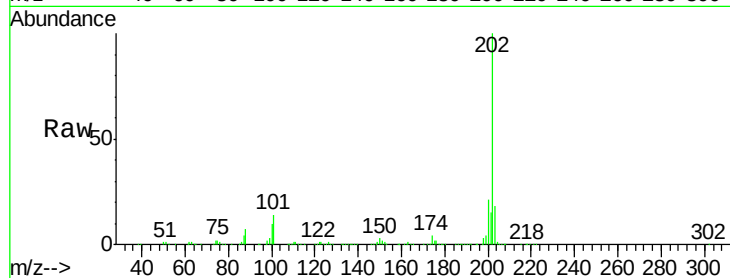
Tot Ion:202 Resp: 844428

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.1

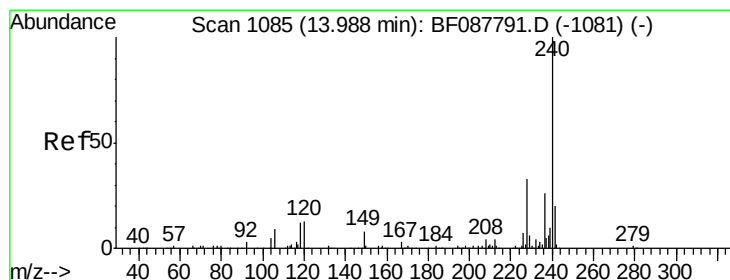
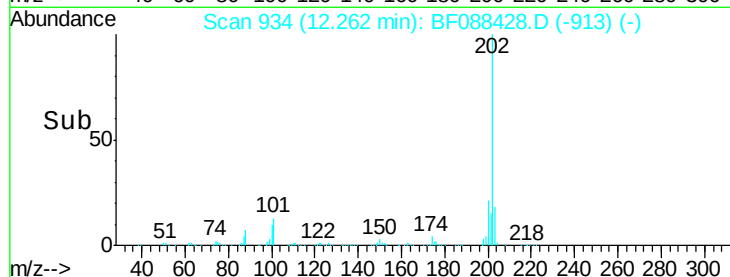
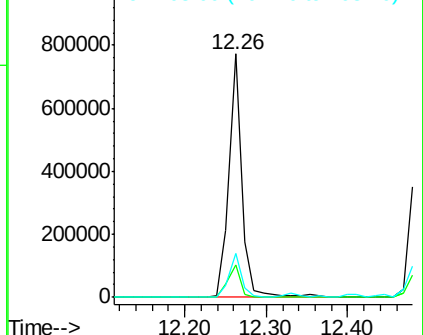
203 18.0 0.0 38.1



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: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

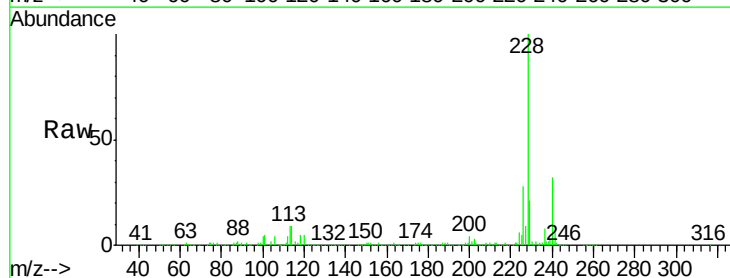
Tgt Ion:240 Resp: 152743

Ion Ratio Lower Upper

240 100

120 17.1 6.8 10.2#

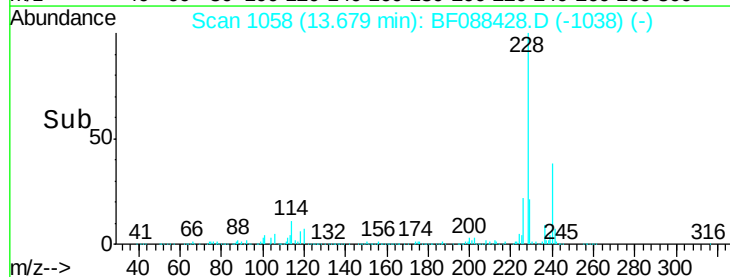
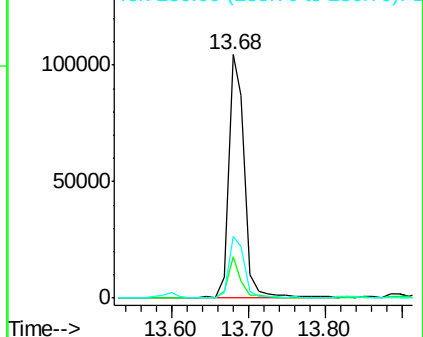
236 25.2 20.2 30.2

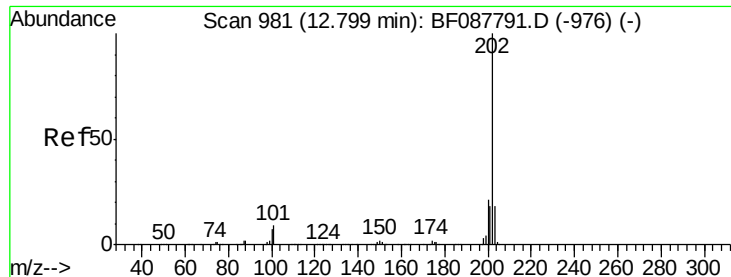


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 71.39 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

ClientSampled :

TP-8

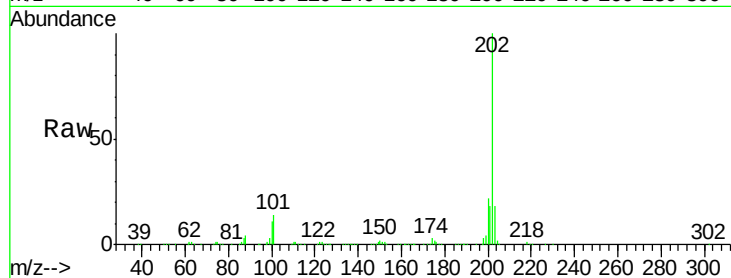
Tot Ion:202 Resp: 809182

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

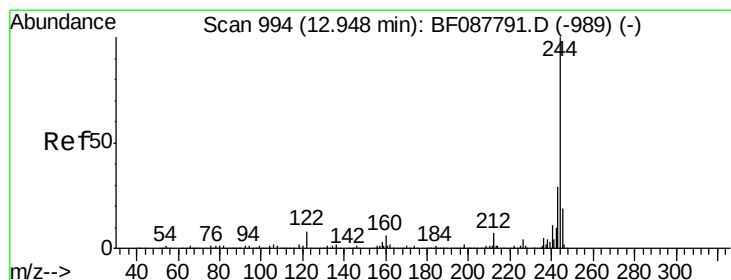
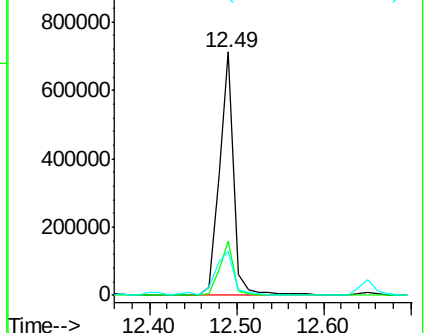
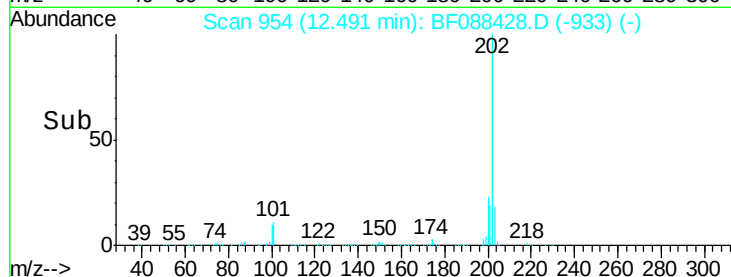
203 17.9 14.5 21.7



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: 27.77 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.07 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

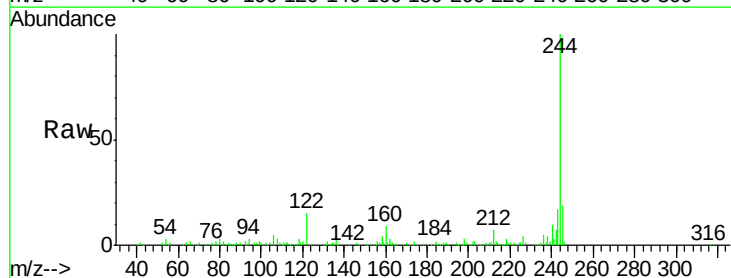
Tgt Ion:244 Resp: 186427

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

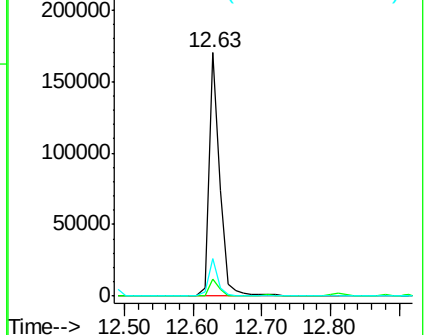
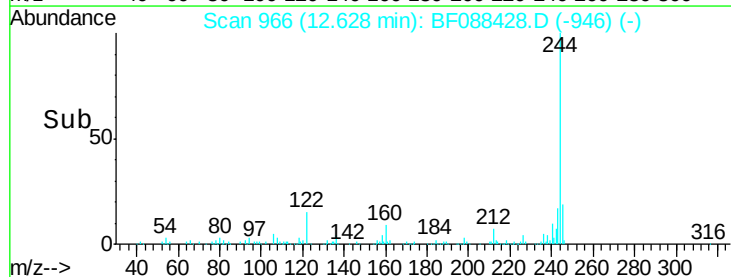
122 15.2 11.2 16.8

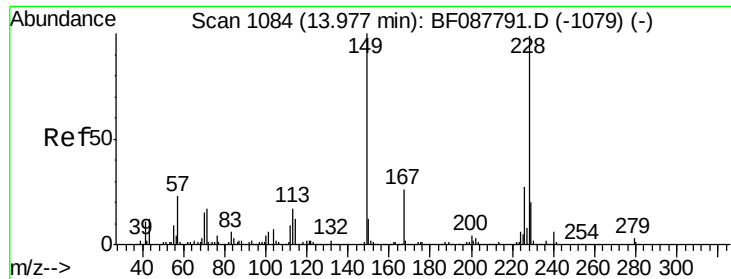


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 67.54 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.07 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

ClientSampleId :

TP-8

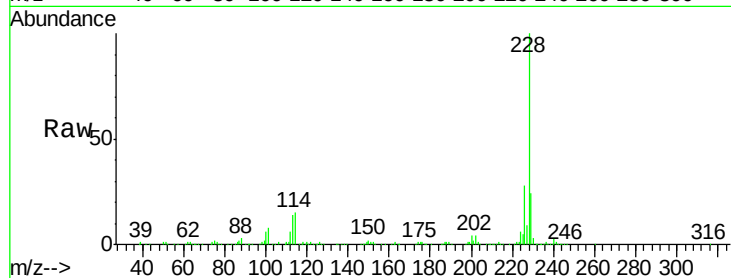
Tot Ion:228 Resp: 587857

Ion Ratio Lower Upper

228 100

226 28.0 22.3 33.5

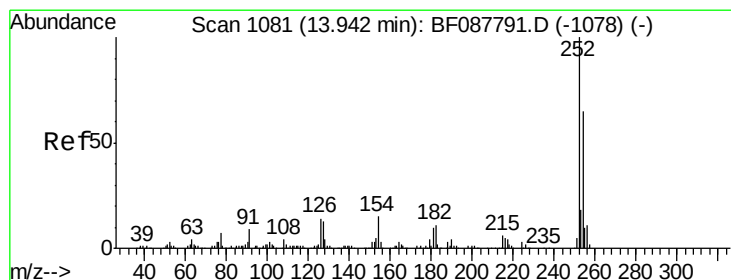
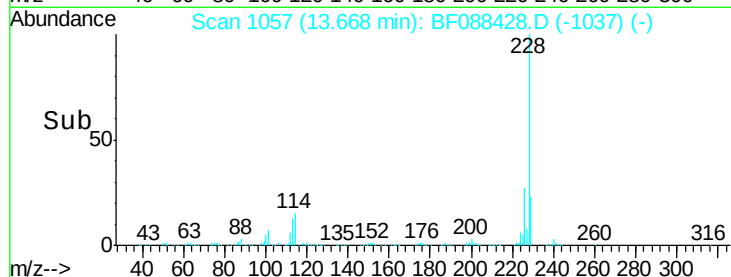
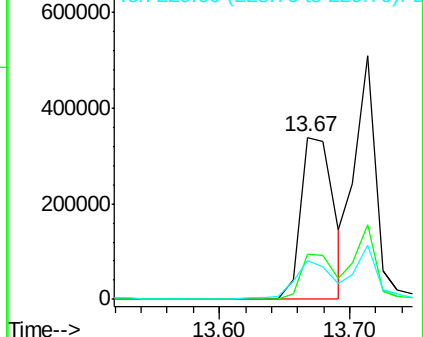
229 23.7 16.0 24.0



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



#81

3,3'-Dichlorobenzidine

Concen: 2.16 ng

RT: 13.71 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

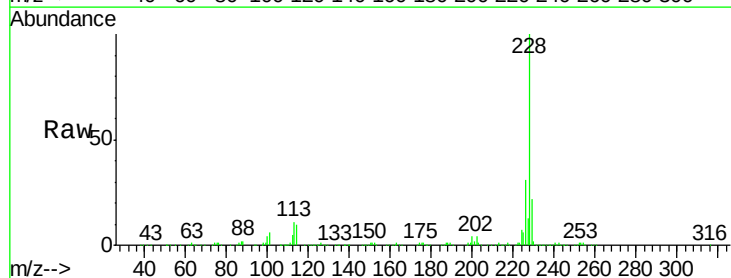
Tgt Ion:252 Resp: 5048

Ion Ratio Lower Upper

252 100

254 146.0 52.6 78.8#

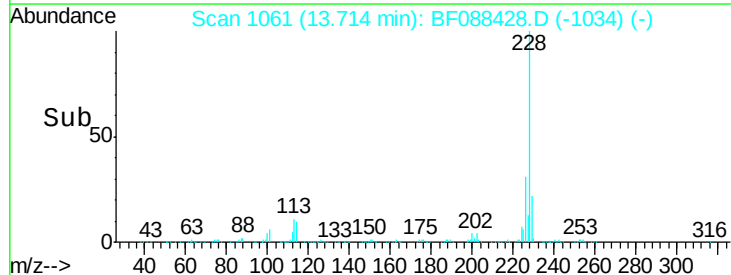
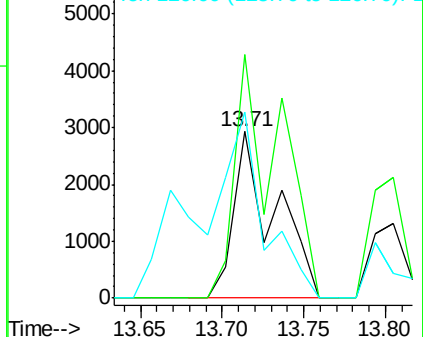
126 111.5 6.2 9.2#

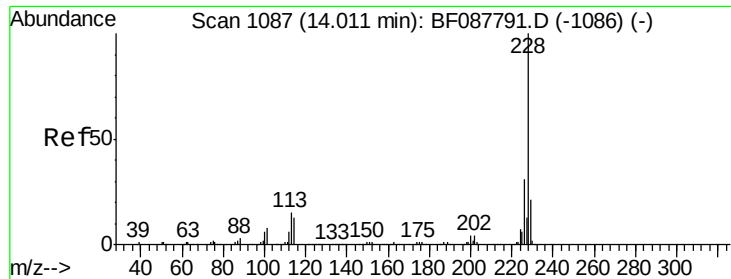


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 70.86 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.06 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

ClientSampleId :

TP-8

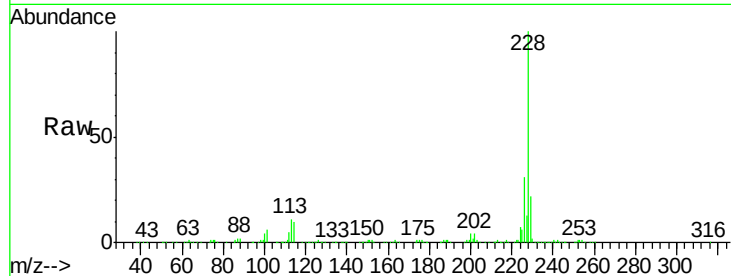
Tot Ion:228 Resp: 580258

Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.2

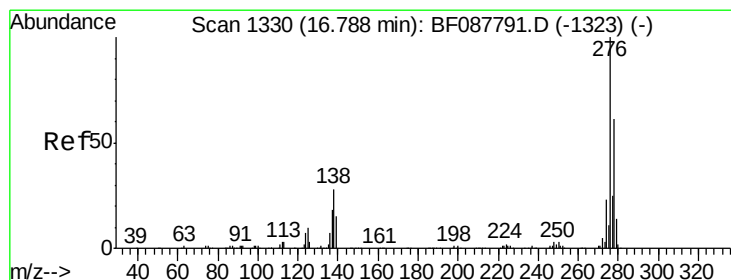
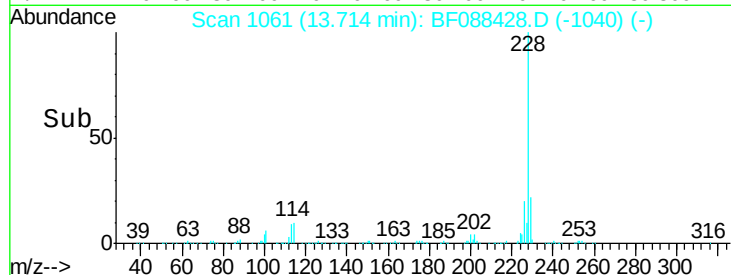
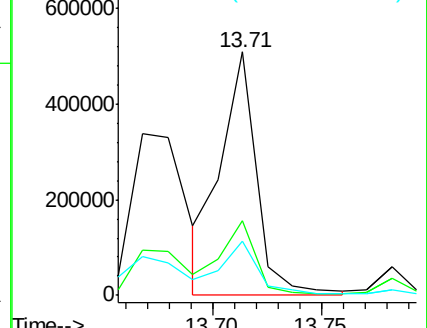
229 22.4 16.3 24.5



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: 39.26 ng

RT: 16.26 min Scan# 1284

Delta R.T. -0.10 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

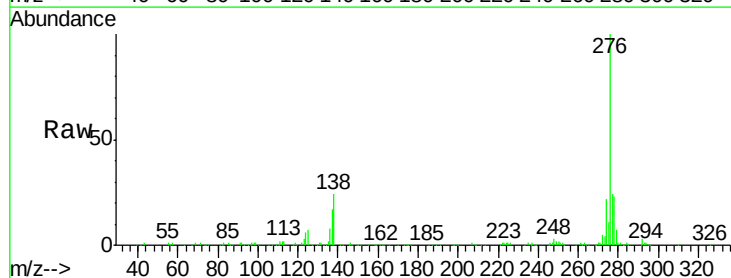
Tgt Ion:276 Resp: 298685

Ion Ratio Lower Upper

276 100

138 28.4 0.0 0.0#

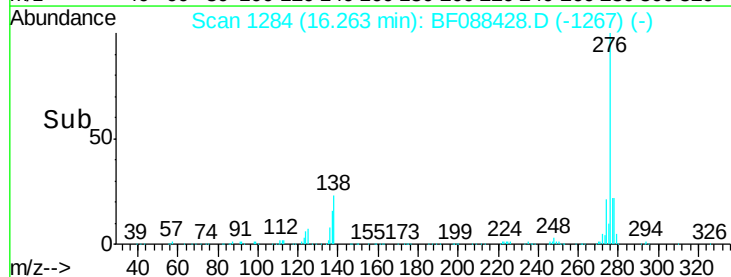
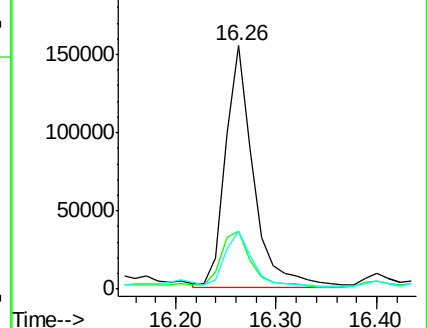
277 22.5 0.0 0.0#

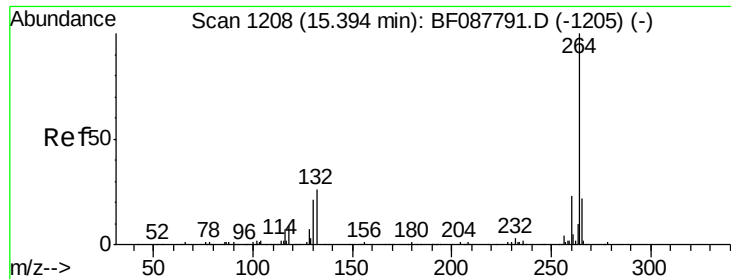


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

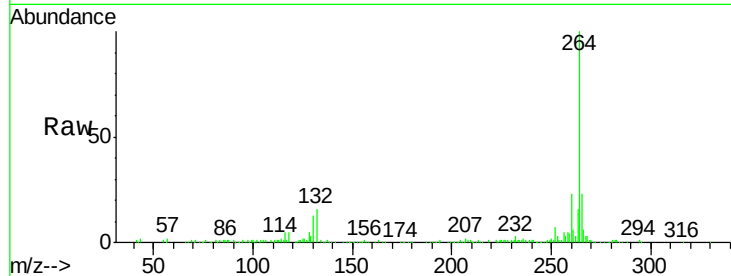




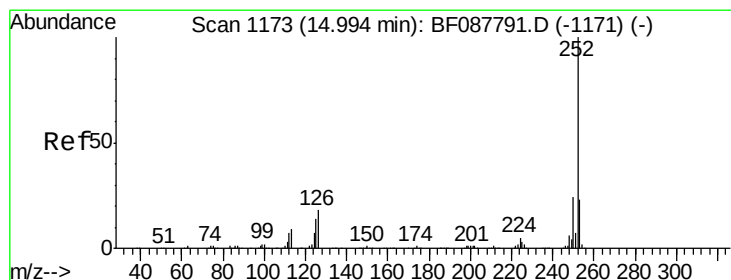
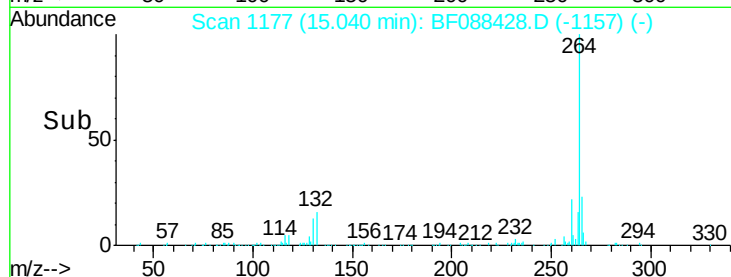
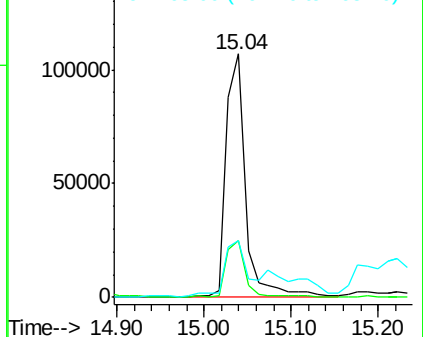
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion:264 Resp: 169328
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 23.4 16.9 25.3

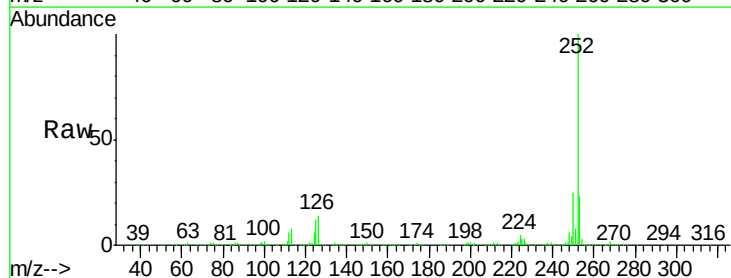


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

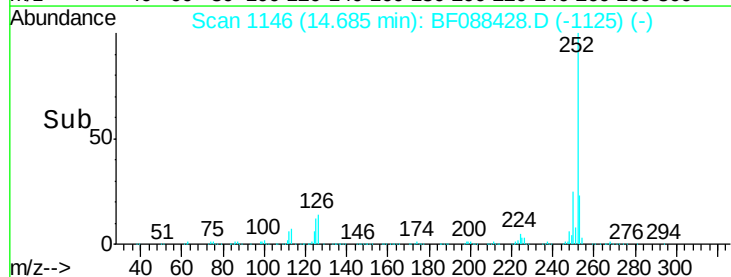
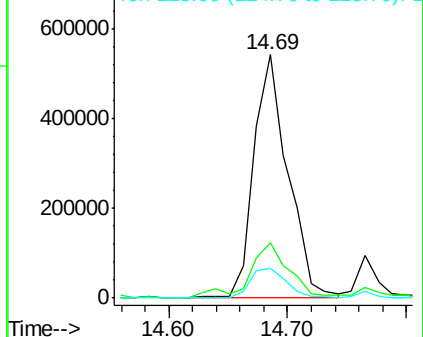


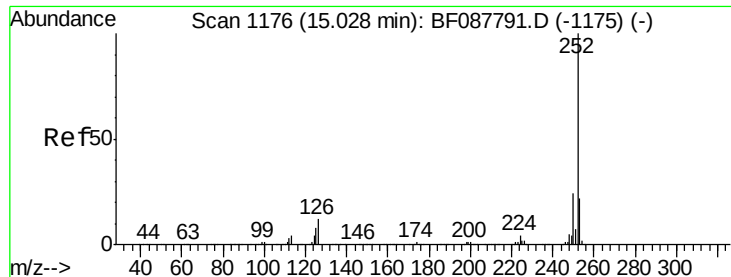
#87
Benzo(b)fluoranthene
Concen: 91.71 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion:252 Resp: 1082361
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 12.3 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

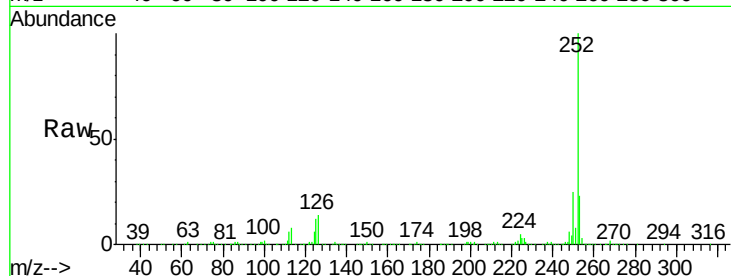




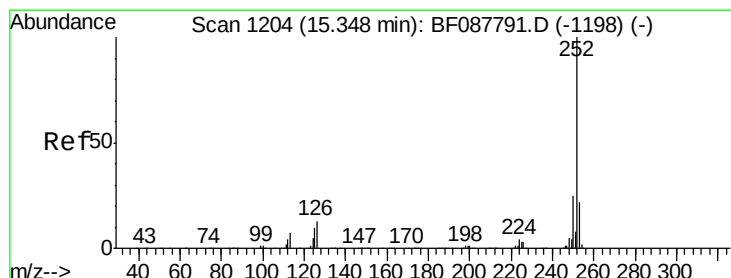
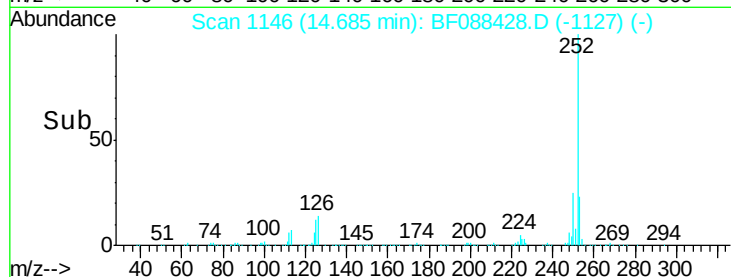
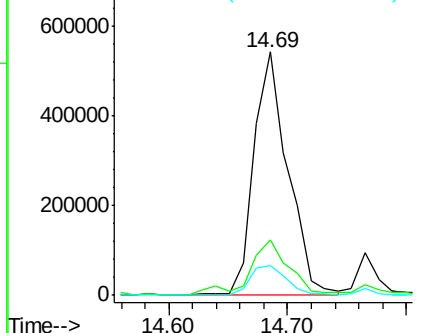
#88
Benzo(k)fluoranthene
Concen: 121.58 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.08 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion:252 Resp: 1082361
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 12.3 11.2 16.8

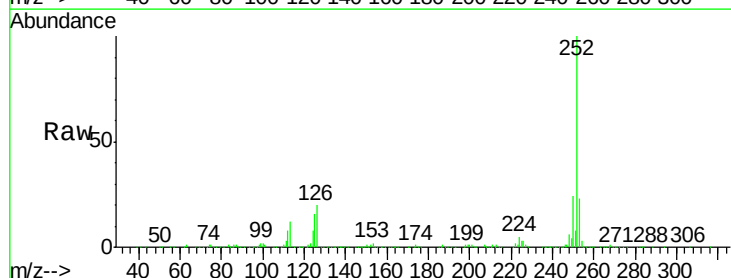


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

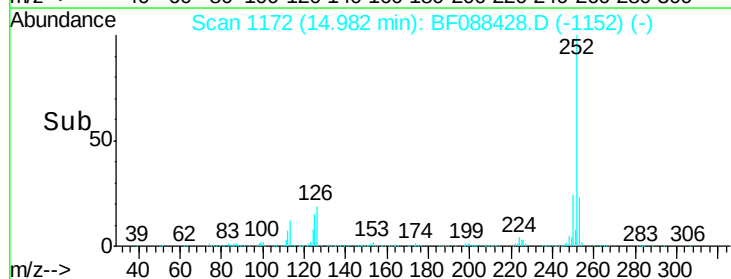
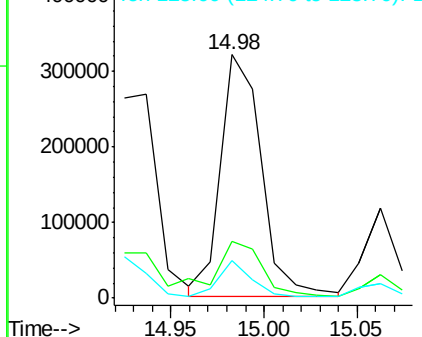


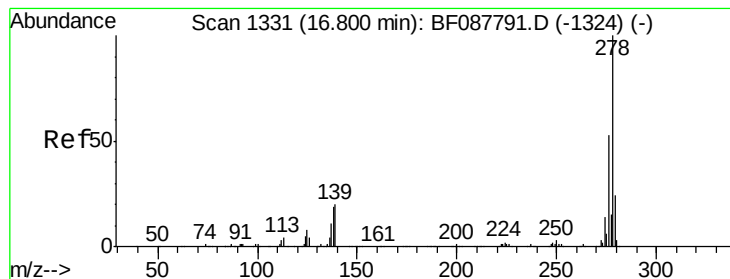
#89
Benzo(a)pyrene
Concen: 51.24 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.07 min
Lab File: BF088428.D
Acq: 26 Jun 2016 19:55

Tgt Ion:252 Resp: 489245
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 15.6 12.5 18.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 6.11 ng

RT: 16.40 min Scan# 1296

Delta R.T. 0.03 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

Instrument :

BNA_F

ClientSampleId :

TP-8

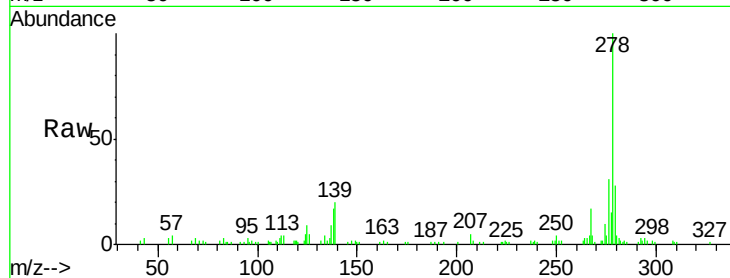
Tot Ion:278 Resp: 54228

Ion Ratio Lower Upper

278 100

139 20.2 15.7 23.5

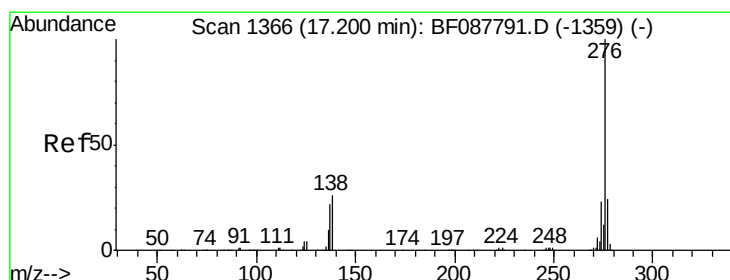
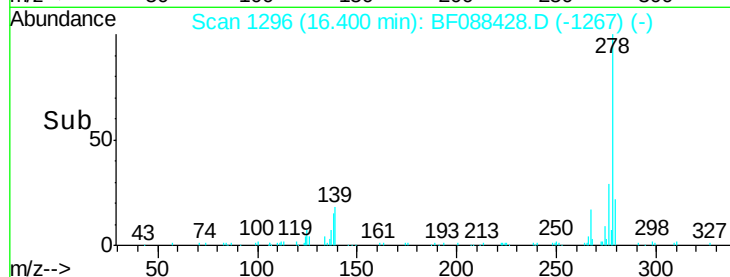
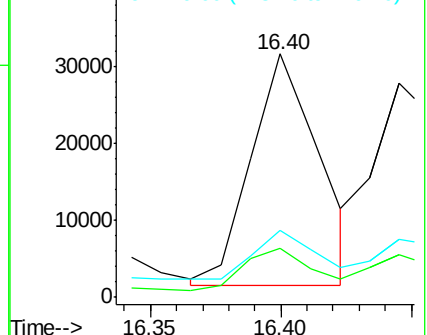
279 27.6 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 29.28 ng

RT: 16.63 min Scan# 1316

Delta R.T. -0.11 min

Lab File: BF088428.D

Acq: 26 Jun 2016 19:55

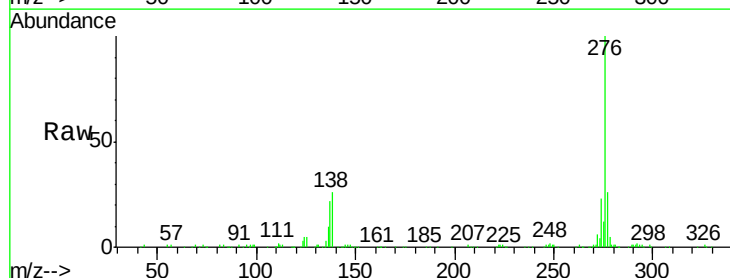
Tgt Ion:276 Resp: 267076

Ion Ratio Lower Upper

276 100

277 25.7 18.9 28.3

138 26.2 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

