

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088423.D
 Acq On : 26 Jun 2016 17:30
 Operator : UM/SJ
 Sample : H3663-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15

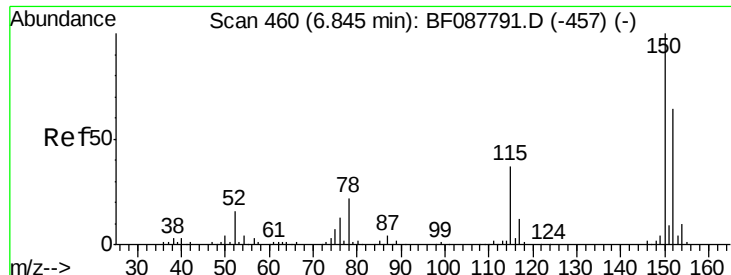
Quant Time: Jun 27 03:56:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	68618	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	278776	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	135408	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	238723	20.00	ng	-0.07
75) Chrysene-d12	13.69	240	136091	20.00	ng	-0.06
86) Perylene-d12	15.04	264	149839	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	535120	133.32	ng	-0.05
7) Phenol-d6	6.22	99	661436	135.97	ng	-0.05
23) Nitrobenzene-d5	7.12	82	416408	87.22	ng	-0.06
41) 2,4,6-Tribromophenol	10.37	330	160044	111.94	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	733845	85.15	ng	-0.06
78) Terphenyl-d14	12.64	244	570370	95.37	ng	-0.06

Target Compounds				Qvalue		
10) Phenol	6.23	94	1670	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	51075	16.41	ng	# 72
25) Isophorone	7.12	82	409175	46.27	ng	# 65
45) 1,1'-Biphenyl	9.02	154	821	Below Cal		73
49) Dimethylphthalate	9.31	163	198629	20.25	ng	99
51) Acenaphthene	9.61	154	22906	2.63	ng	97
56) 2,4-Dinitrotoluene	9.58	165	16808	5.82	ng	# 36
57) Fluorene	10.13	166	14502	Below Cal		93
66) 4-Bromophenyl-phenylether	10.37	248	9285	3.63	ng	# 1
70) Phenanthrene	11.07	178	273974	21.87	ng	99
71) Anthracene	11.13	178	73618	5.83	ng	98
72) Carbazole	11.30	167	62182	5.26	ng	99
74) Fluoranthene	12.26	202	892100	67.48	ng	99
76) Benzidine	12.64	184	8355	2.22	ng	# 92
77) Pyrene	12.49	202	851132	84.28	ng	99
80) Benzo(a)anthracene	13.68	228	833367	107.46	ng	99
81) 3,3'-Dichlorobenzidine	13.71	252	11635	5.58	ng	# 1
82) Chrysene	13.73	228	1404351	192.48	ng	99
85) Indeno(1,2,3-cd)pyrene	16.26	276	339057	50.02	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	1730362	165.69	ng	# 95
88) Benzo(k)fluoranthene	14.69	252	1730362	219.64	ng	99
89) Benzo(a)pyrene	14.94	252	706187	83.58	ng	97
90) Dibenzo(a,h)anthracene	16.40	278	42050	5.36	ng	97
91) Benzo(g,h,i)perylene	16.63	276	332012	41.13	ng	97

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

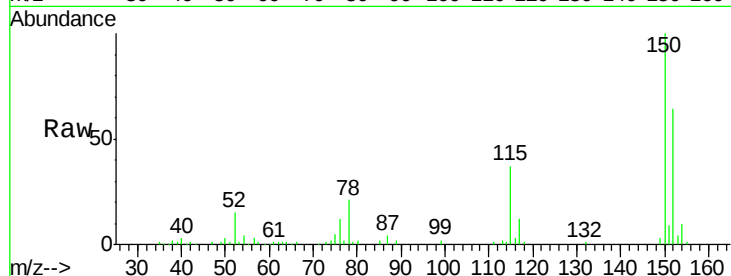


#1

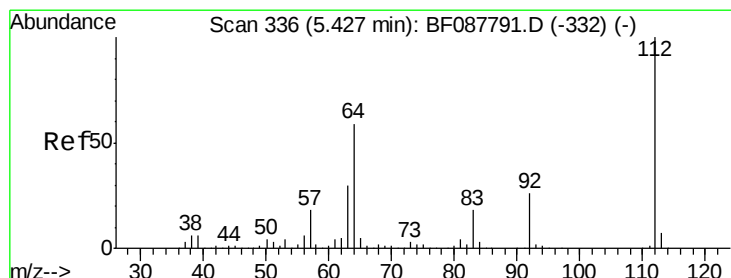
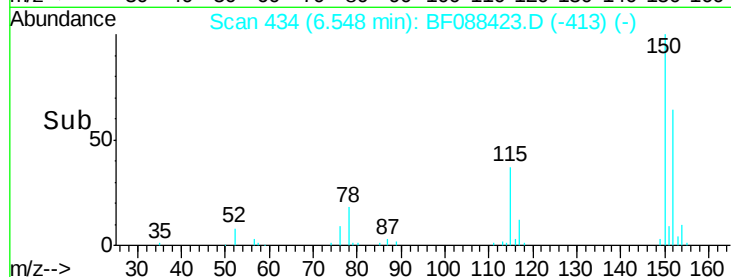
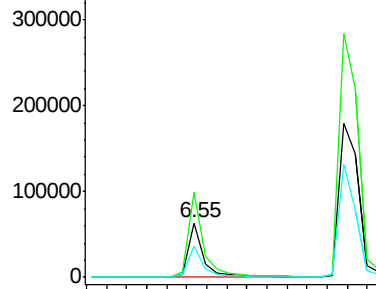
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.06 min
Lab File: BF088423.D
Acq: 26 Jun 2016 17:30

Instrument :
BNA_F
ClientSampleId :
TP-15

Tot Ion:152 Resp: 68618
Ion Ratio Lower Upper
152 100
150 155.8 123.8 185.6
115 57.7 39.6 59.4



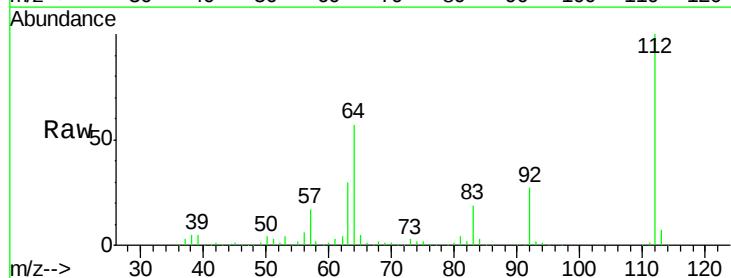
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



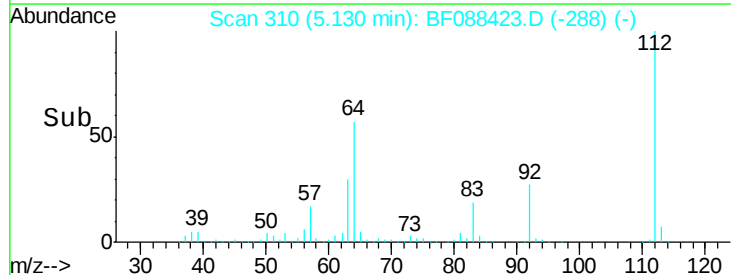
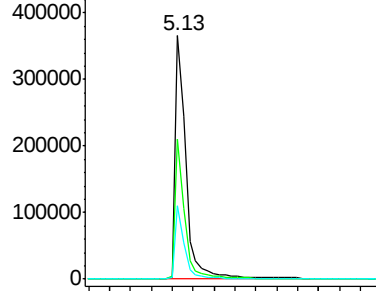
#5

2-Fluorophenol
Concen: 133.32 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.05 min
Lab File: BF088423.D
Acq: 26 Jun 2016 17:30

Tgt Ion:112 Resp: 535120
Ion Ratio Lower Upper
112 100
64 57.3 42.2 63.2
63 29.9 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: 135.97 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

Instrument :

BNA_F

ClientSampleId :

TP-15

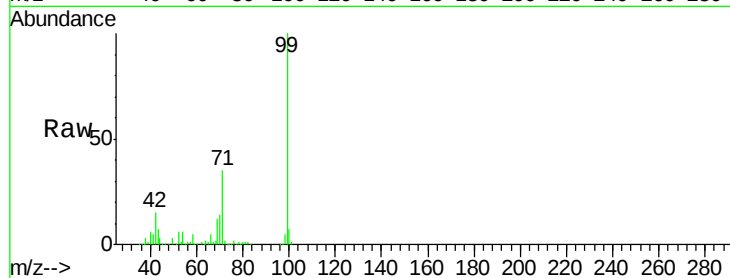
Tot Ion: 99 Resp: 661436

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

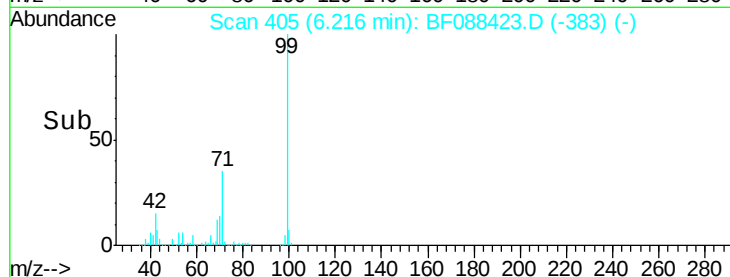
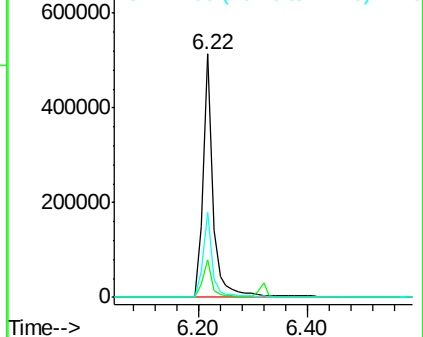
71 35.1 23.4 35.0#



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: 6.23 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

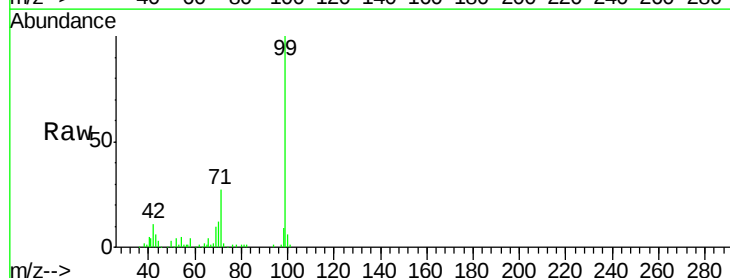
Tgt Ion: 94 Resp: 1670

Ion Ratio Lower Upper

94 100

65 103.3 5.9 45.9#

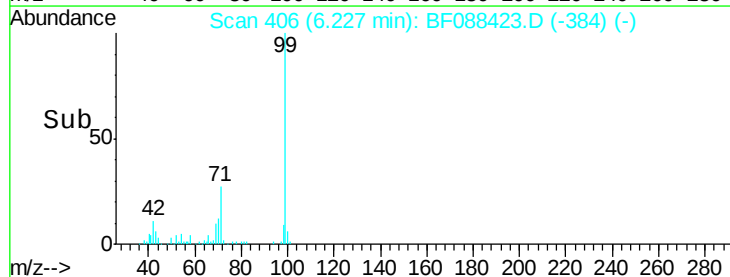
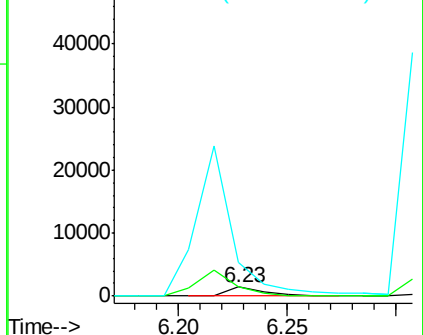
66 386.7 14.0 54.0#



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: 16.41 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.08 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

Instrument :

BNA_F

ClientSampled :

TP-15

Tot Ion: 70 Resp: 51075

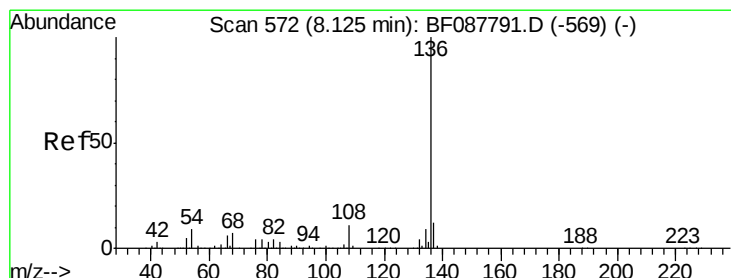
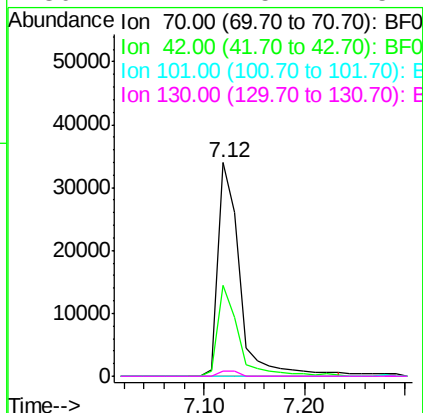
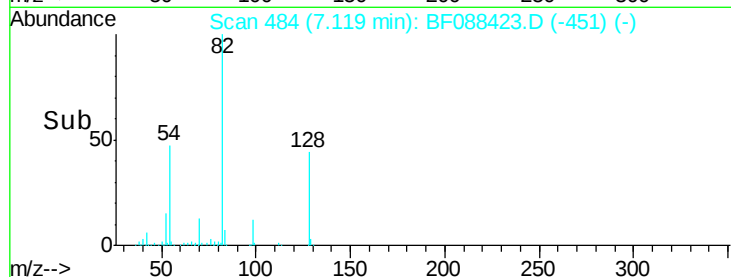
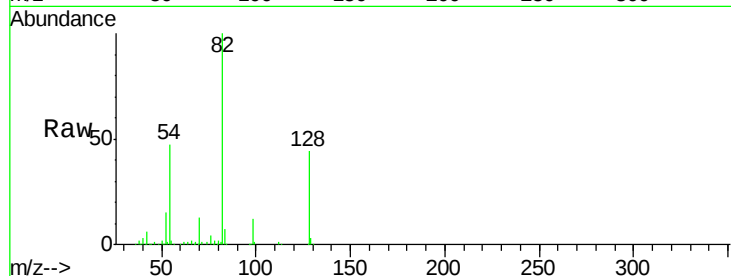
Ion Ratio Lower Upper

70 100

42 42.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 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: BF088423.D

Acq: 26 Jun 2016 17:30

Tgt Ion: 136 Resp: 278776

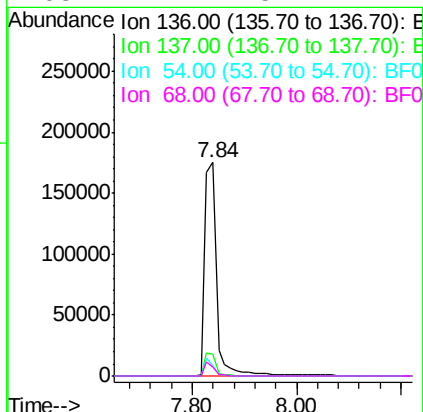
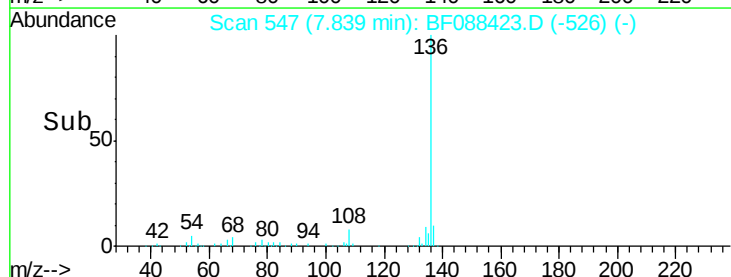
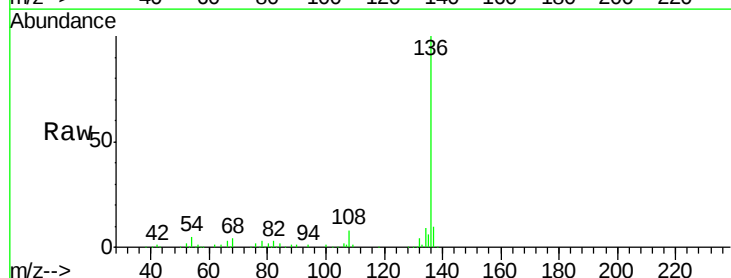
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 4.6 6.6 10.0#

68 4.1 5.1 7.7#

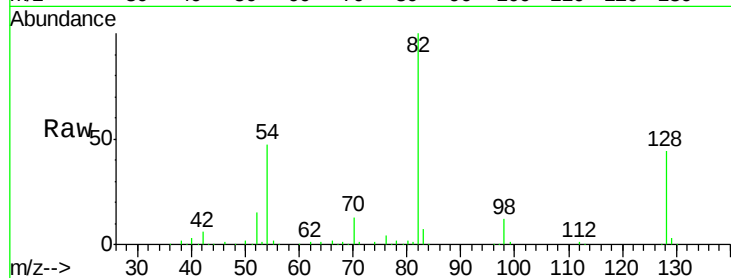




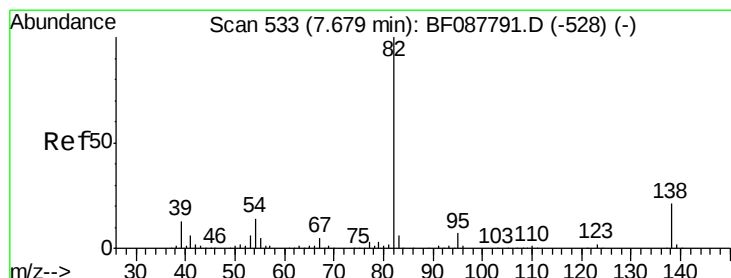
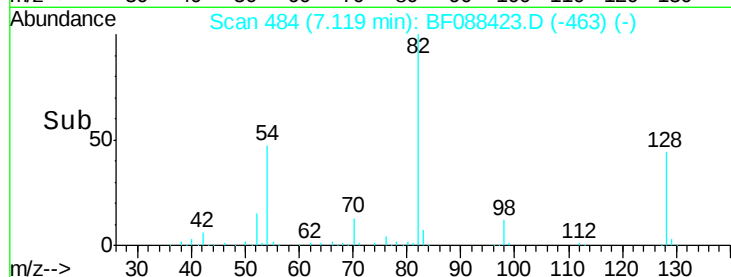
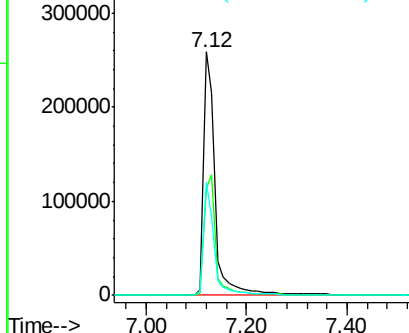
#23
 Nitrobenzene-d5
 Concen: 87.22 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.06 min
 Lab File: BF088423.D
 Acq: 26 Jun 2016 17:30

Instrument :
 BNA_F
 ClientSampleId :
 TP-15

Tot Ion: 82 Resp: 416408
 Ion Ratio Lower Upper
 82 100
 128 43.8 35.9 53.9
 54 46.5 40.9 61.3

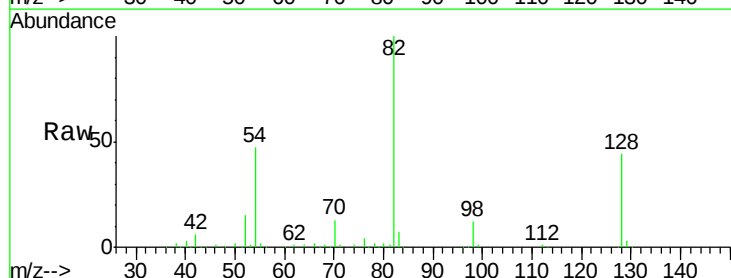


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

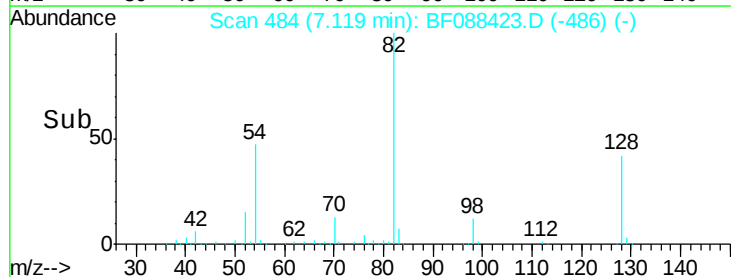
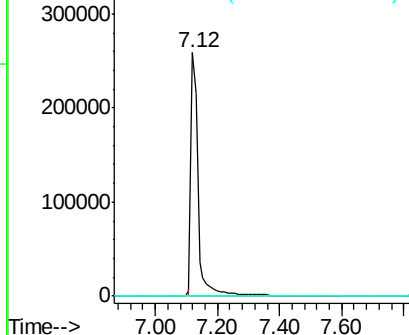


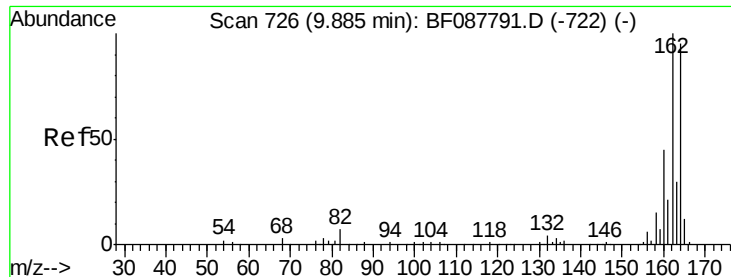
#25
 Isophorone
 Concen: 46.27 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.32 min
 Lab File: BF088423.D
 Acq: 26 Jun 2016 17:30

Tgt Ion: 82 Resp: 409175
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.07 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

Instrument :

BNA_F

ClientSampleId :

TP-15

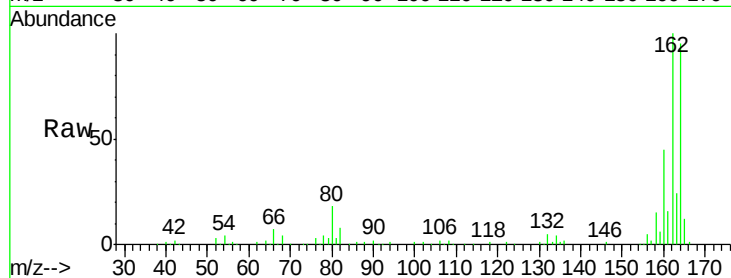
Tot Ion:164 Resp: 135408

Ion Ratio Lower Upper

164 100

162 105.3 85.4 128.2

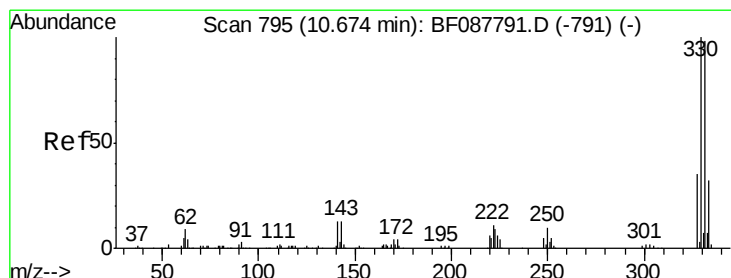
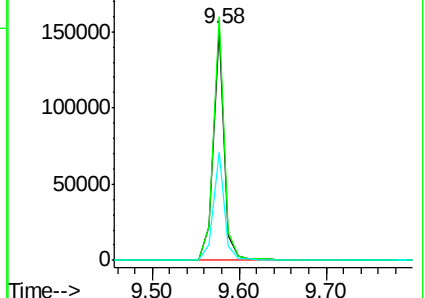
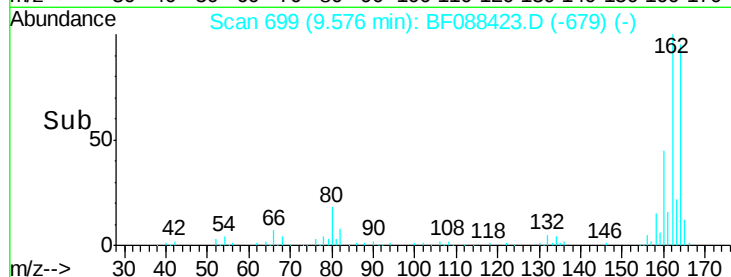
160 46.9 39.5 59.3



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: 111.94 ng

RT: 10.37 min Scan# 768

Delta R.T. -0.07 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

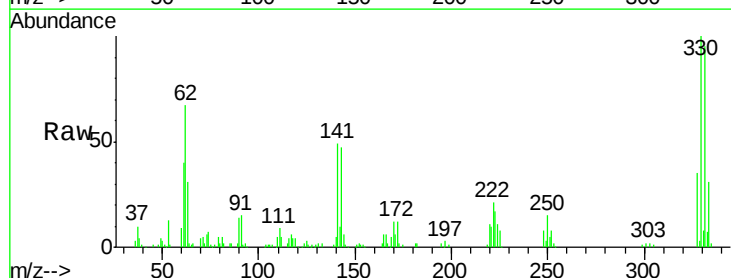
Tgt Ion:330 Resp: 160044

Ion Ratio Lower Upper

330 100

332 95.8 0.0 0.0#

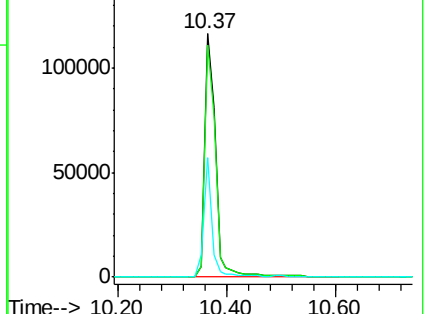
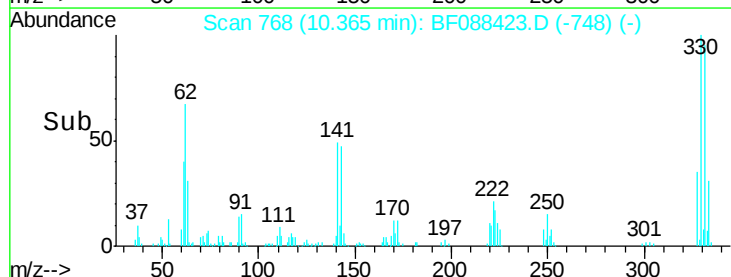
141 37.7 0.0 0.0#

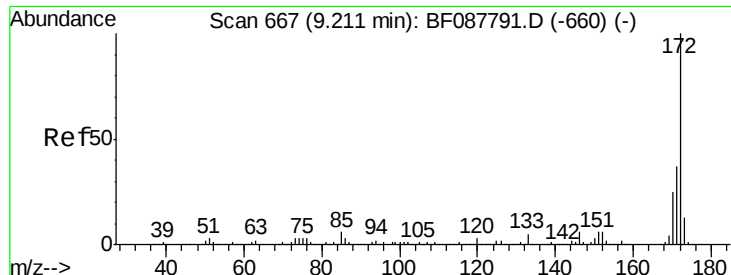


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

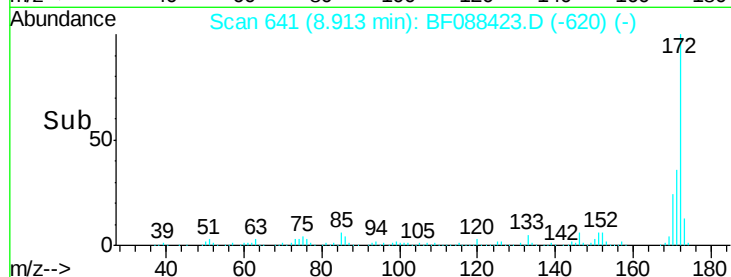
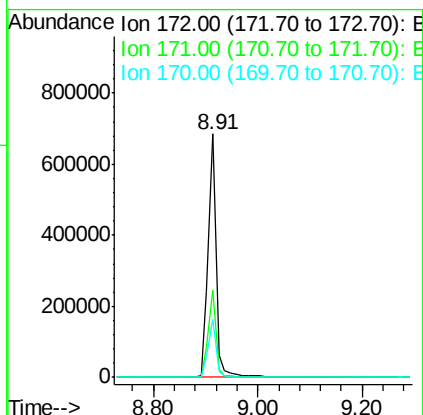
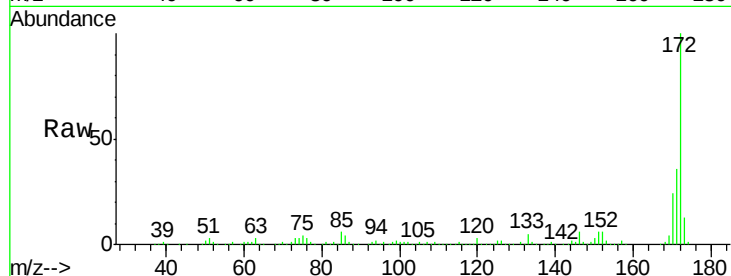




#44
2-Fluorobiphenyl
Concen: 85.15 na
RT: 8.91 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF088423.D
Acq: 26 Jun 2016 17:30

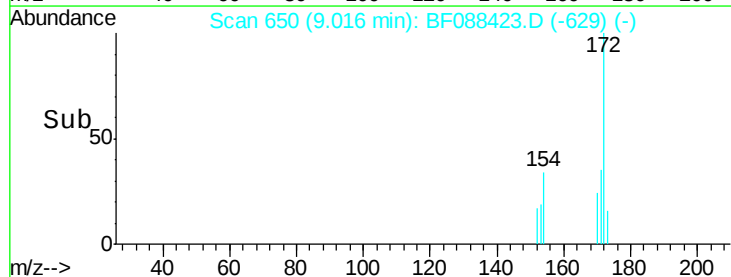
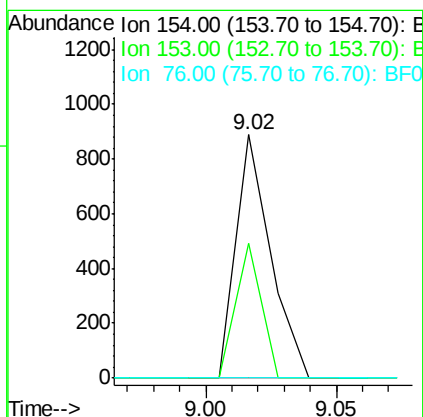
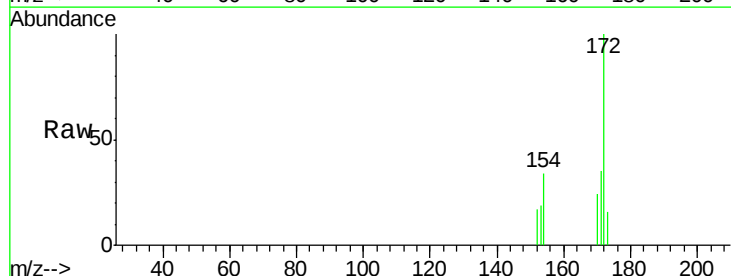
Instrument :
BNA_F
ClientSampleId :
TP-15

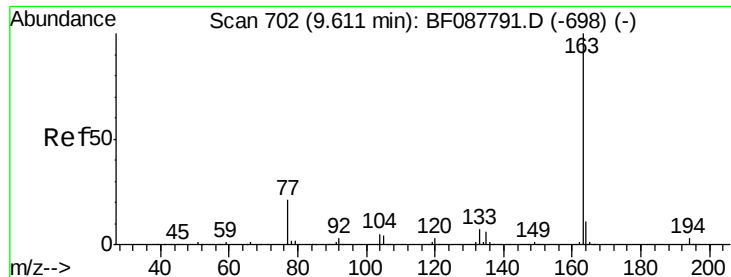
Tot Ion:172 Resp: 733845
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.1 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.02 min Scan# 650
Delta R.T. -0.06 min
Lab File: BF088423.D
Acq: 26 Jun 2016 17:30

Tgt Ion:154 Resp: 821
Ion Ratio Lower Upper
154 100
153 55.3 20.6 60.6
76 0.0 0.0 35.1





#49

Dimethylphthalate

Concen: 20.25 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.07 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

Instrument :

BNA_F

ClientSampleId :

TP-15

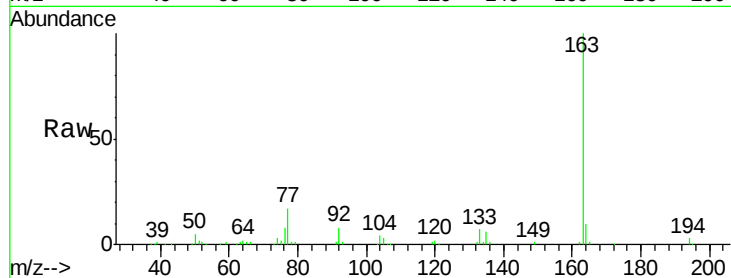
Tot Ion:163 Resp: 198629

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

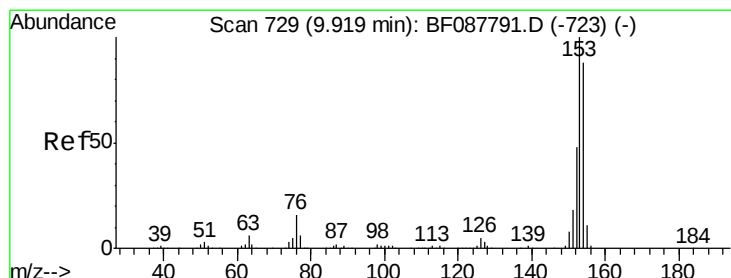
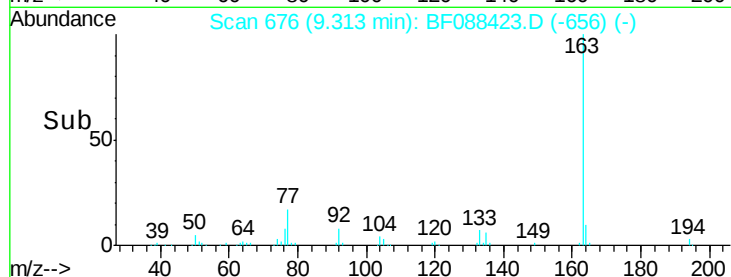
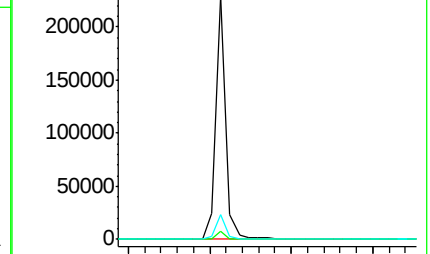
164 9.9 8.3 12.5



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



#51

Acenaphthene

Concen: 2.63 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.07 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

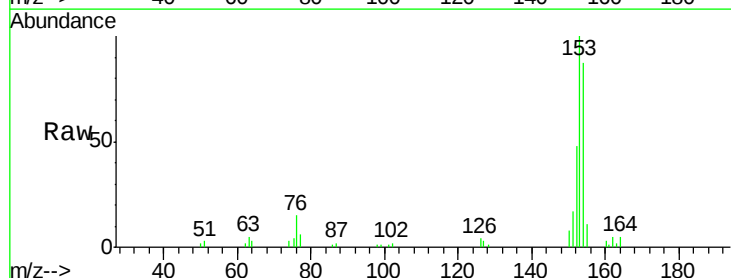
Tgt Ion:154 Resp: 22906

Ion Ratio Lower Upper

154 100

153 114.8 89.5 134.3

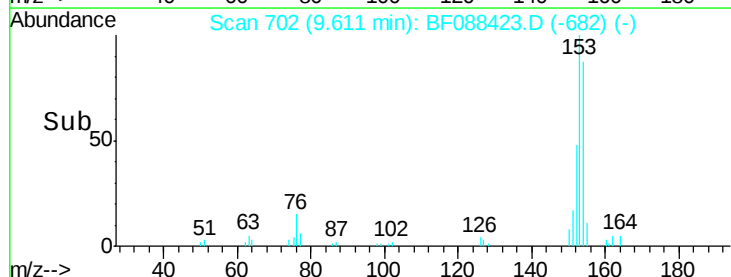
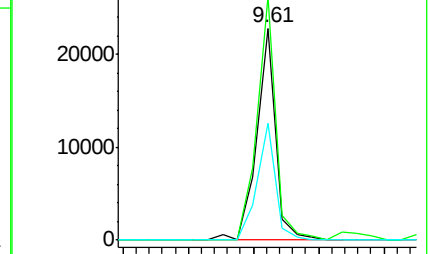
152 55.2 42.7 64.1

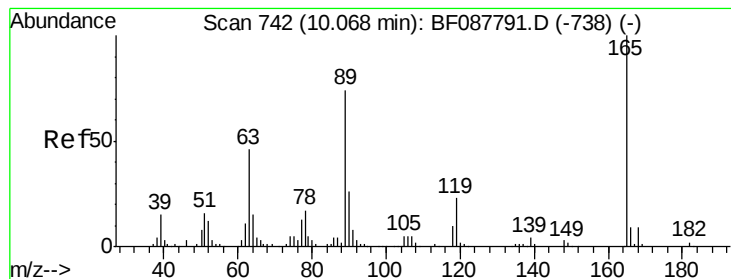


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#56

2,4-Dinitrotoluene

Concen: 5.82 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.27 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

Instrument :

BNA_F

ClientSampleId :

TP-15

Tot Ion:165 Resp: 16808

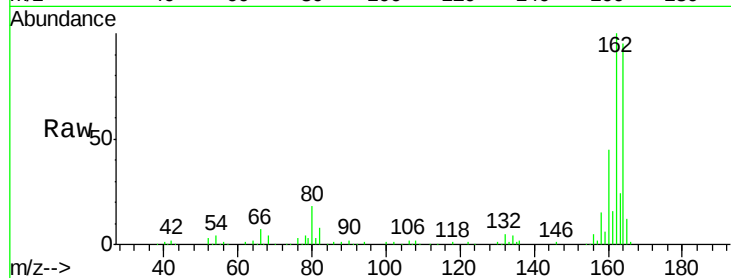
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

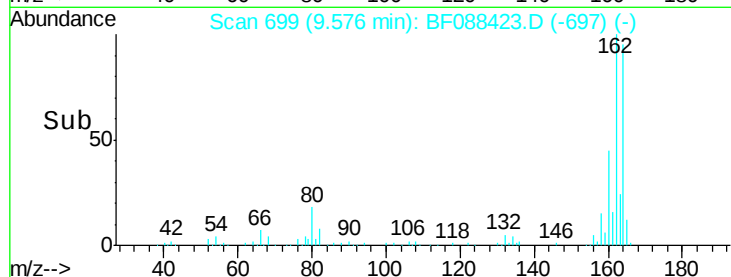


Abundance Ion 165.00 (164.70 to 165.70): E

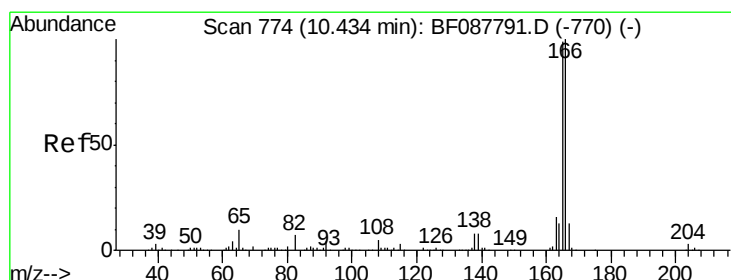
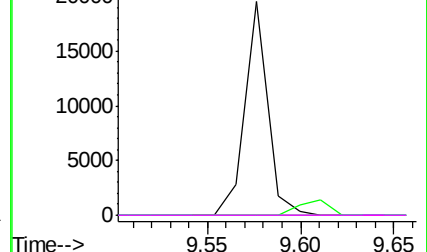
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#57

Fluorene

Concen: Below Cal

RT: 10.13 min Scan# 747

Delta R.T. -0.07 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

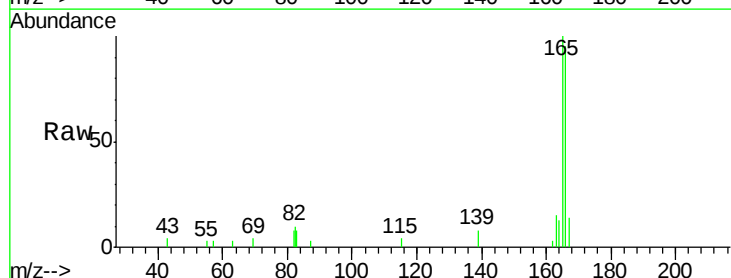
Tgt Ion:166 Resp: 14502

Ion Ratio Lower Upper

166 100

165 104.8 77.8 116.8

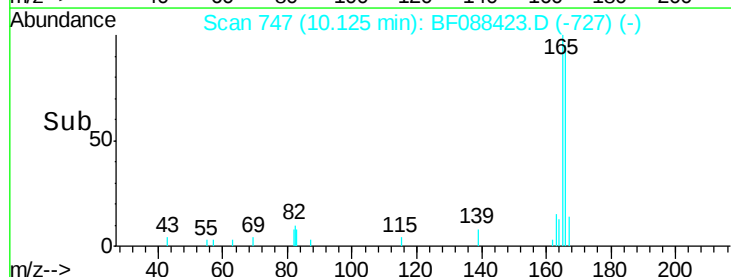
167 14.5 11.2 16.8



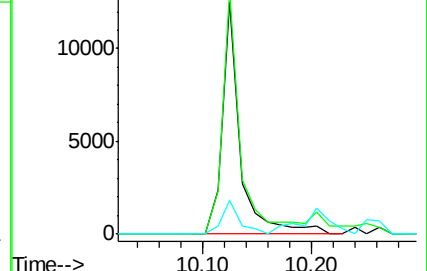
Abundance Ion 166.00 (165.70 to 166.70): E

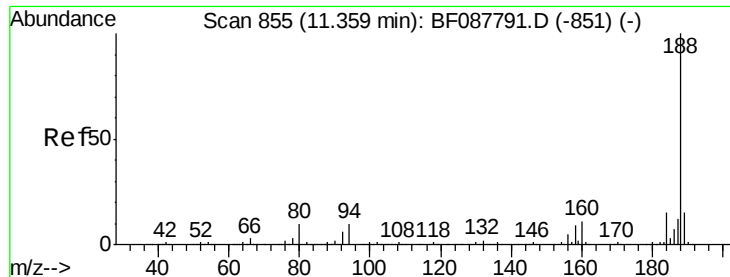
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

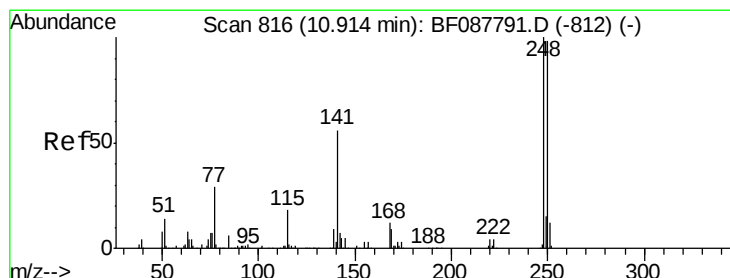
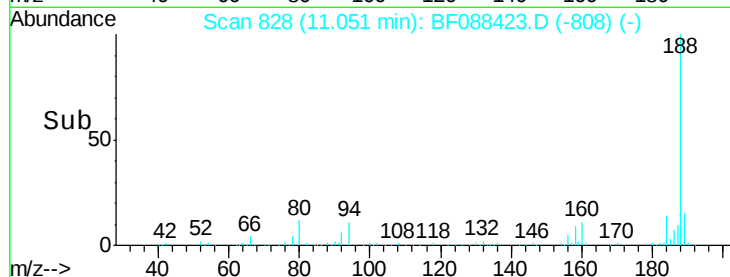
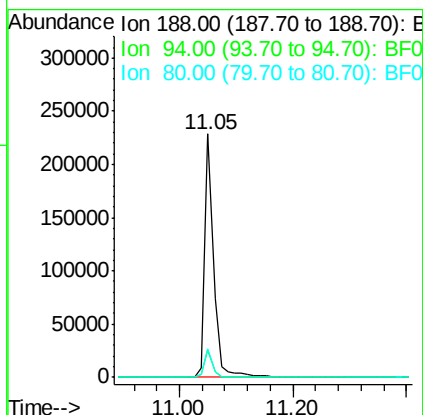
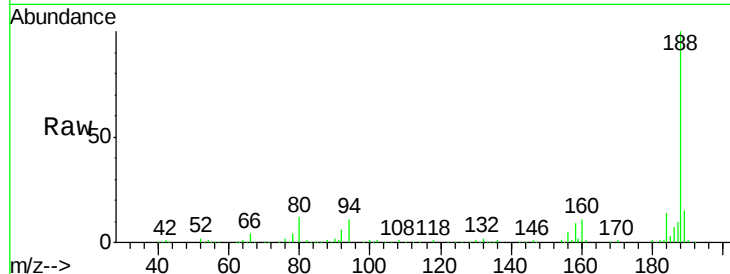




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.07 min
Lab File: BF088423.D
Acq: 26 Jun 2016 17:30

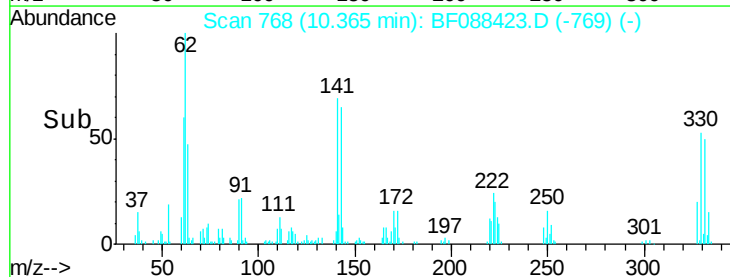
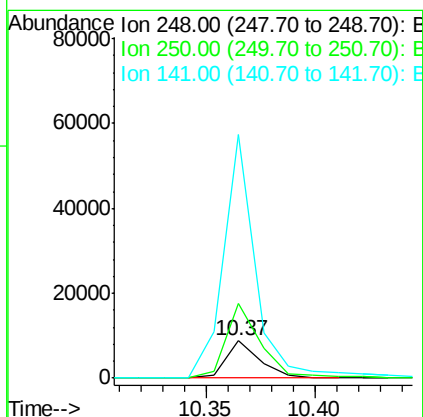
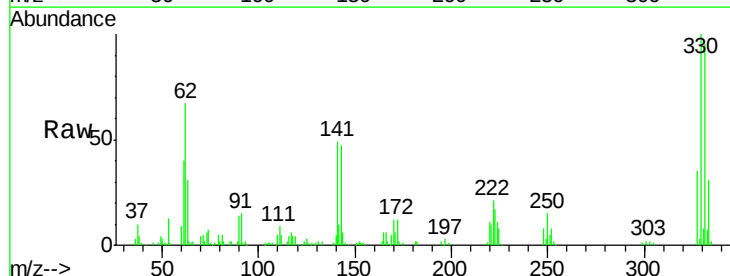
Instrument :
BNA_F
ClientSampleId :
TP-15

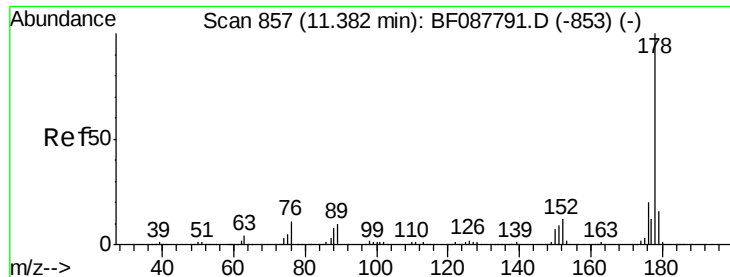
Tot Ion:188 Resp: 238723
Ion Ratio Lower Upper
188 100
94 11.1 9.0 13.6
80 11.6 10.0 15.0



#66
4-Bromophenyl-phenylether
Concen: 3.63 ng
RT: 10.37 min Scan# 768
Delta R.T. -0.31 min
Lab File: BF088423.D
Acq: 26 Jun 2016 17:30

Tgt Ion:248 Resp: 9285
Ion Ratio Lower Upper
248 100
250 200.3 77.1 115.7#
141 649.2 50.6 76.0#





#70

Phenanthrene

Concen: 21.87 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.07 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

Instrument :

BNA_F

ClientSampleId :

TP-15

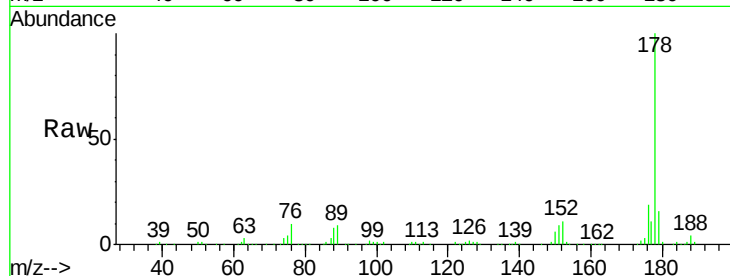
Tot Ion:178 Resp: 273974

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.6

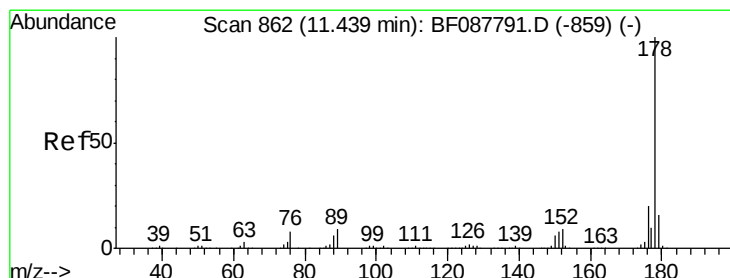
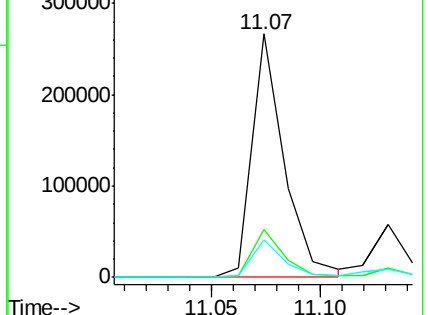
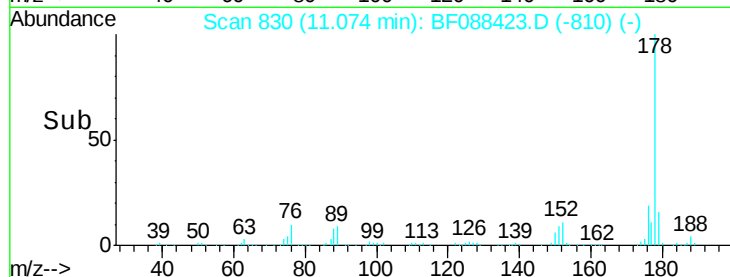
179 15.5 13.0 19.4



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: 5.83 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.07 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

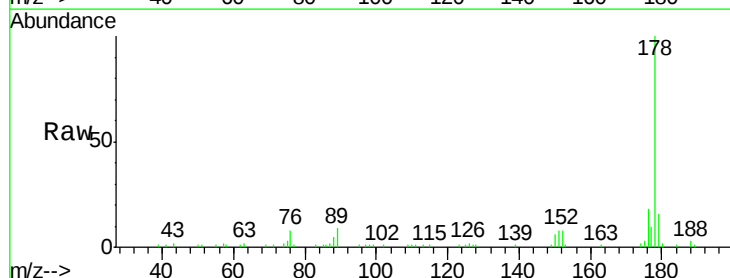
Tgt Ion:178 Resp: 73618

Ion Ratio Lower Upper

178 100

176 17.9 15.6 23.4

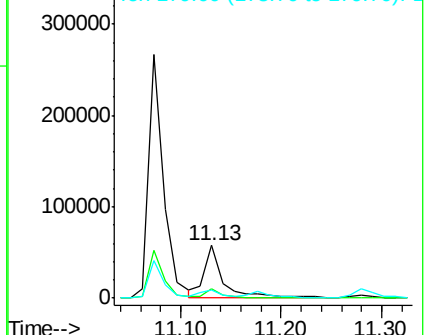
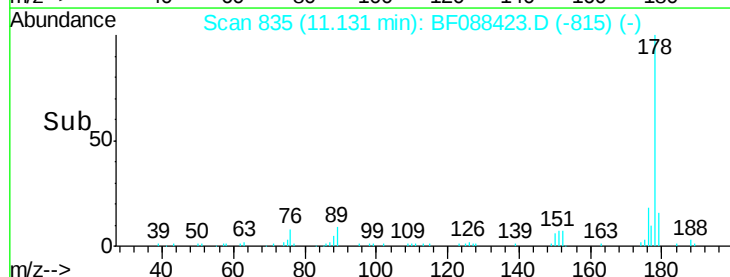
179 16.3 12.8 19.2

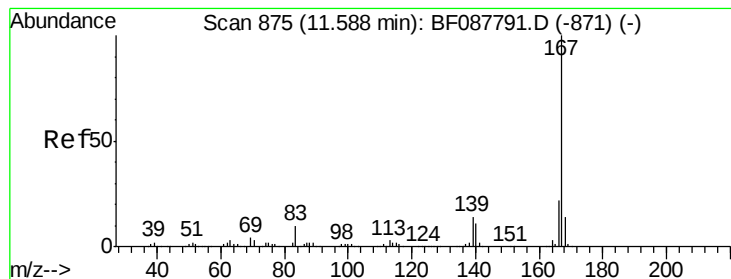


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 5.26 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.06 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

Instrument :

BNA_F

ClientSampleId :

TP-15

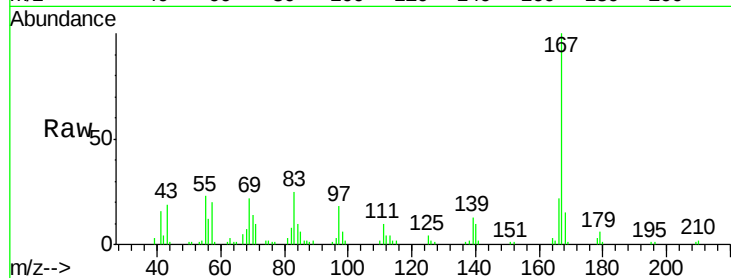
Tot Ion:167 Resp: 62182

Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.6

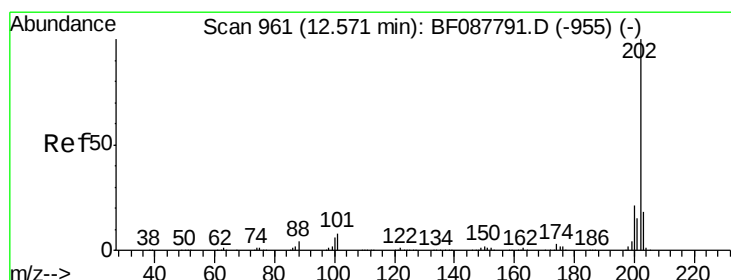
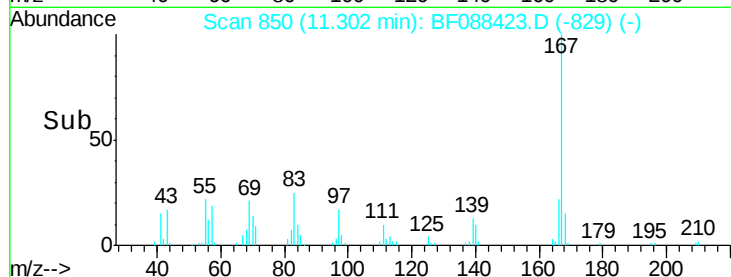
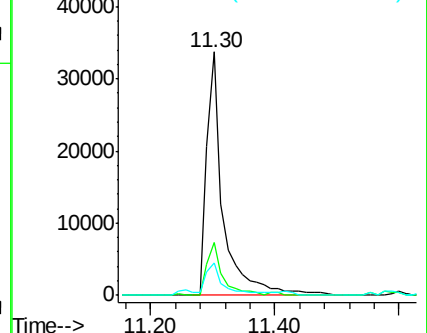
139 13.2 11.2 16.8



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: 67.48 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

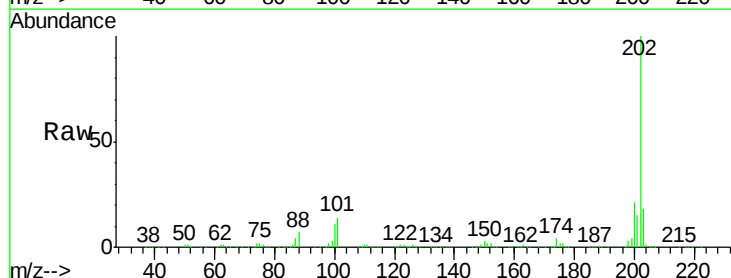
Tgt Ion:202 Resp: 892100

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.1

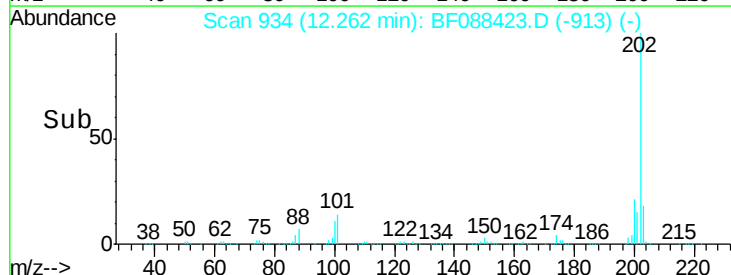
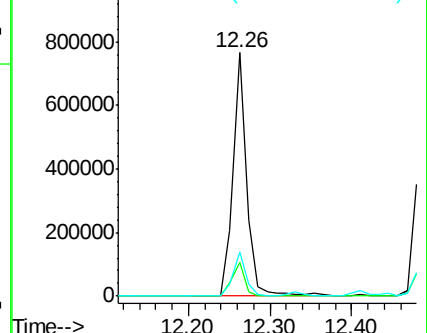
203 18.0 0.0 38.1

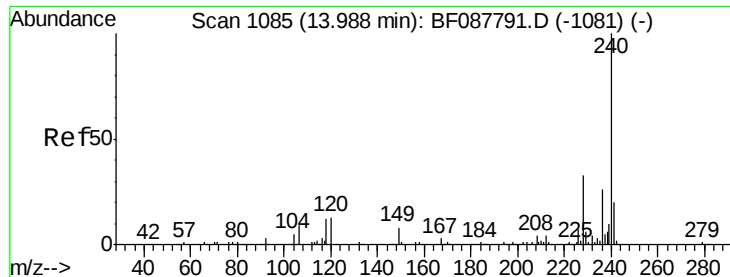


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.69 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

Instrument :

BNA_F

ClientSampled :

TP-15

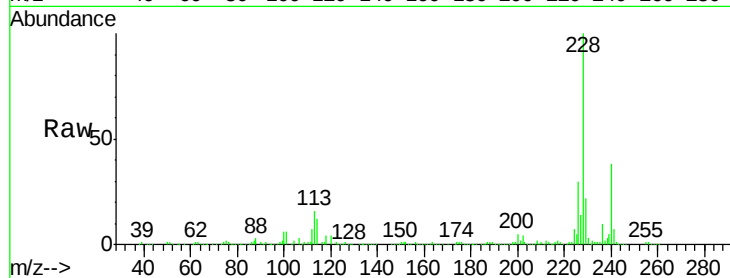
Tot Ion:240 Resp: 136091

Ion Ratio Lower Upper

240 100

120 10.9 6.8 10.2#

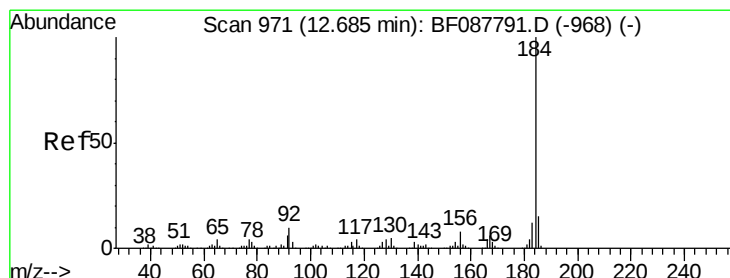
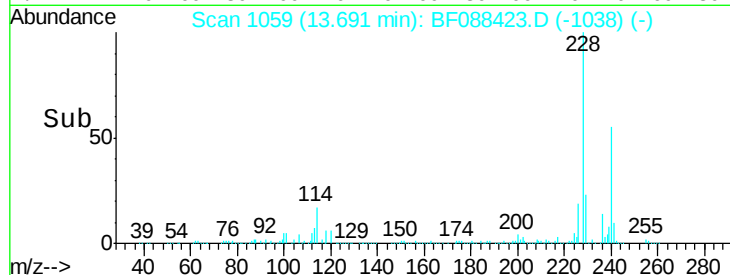
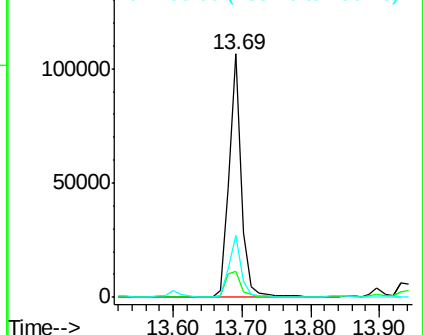
236 25.5 20.2 30.2



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



#76

Benzidine

Concen: 2.22 ng

RT: 12.64 min Scan# 967

Delta R.T. 0.18 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

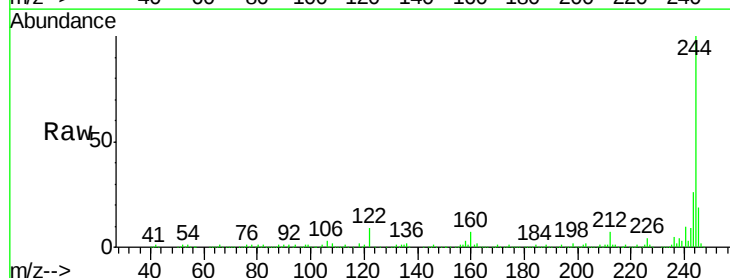
Tgt Ion:184 Resp: 8355

Ion Ratio Lower Upper

184 100

185 16.5 12.5 18.7

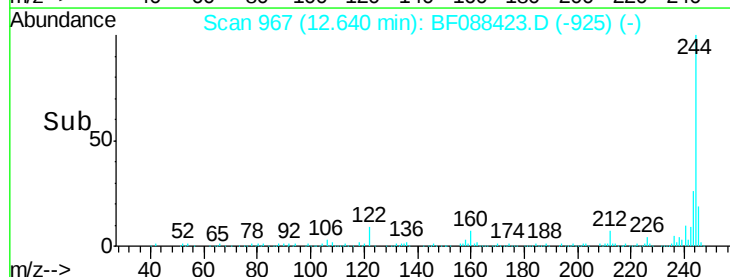
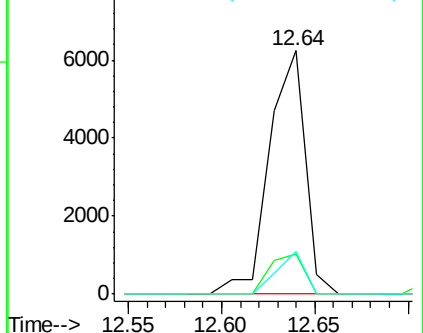
183 17.7 9.3 13.9#

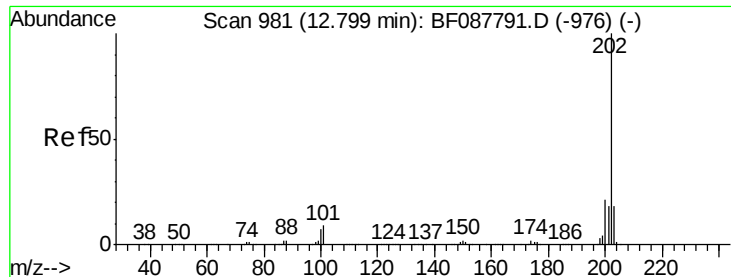


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 84.28 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

Instrument :

BNA_F

ClientSampleId :

TP-15

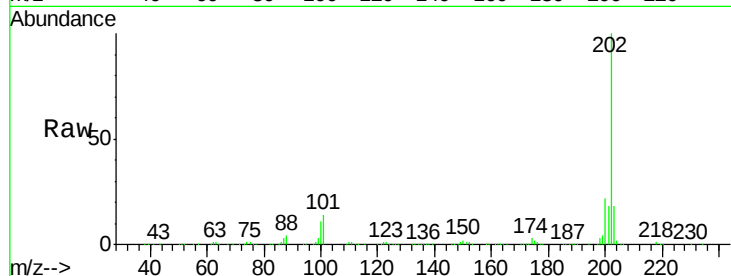
Tot Ion:202 Resp: 851132

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

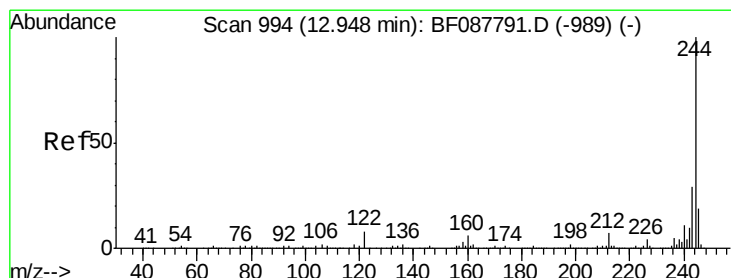
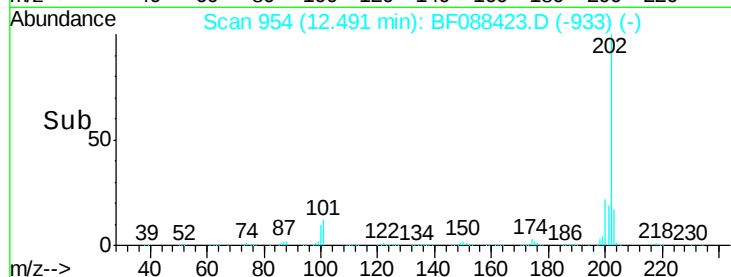
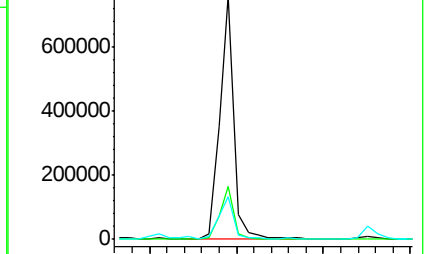
203 17.6 14.5 21.7



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: 95.37 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.06 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

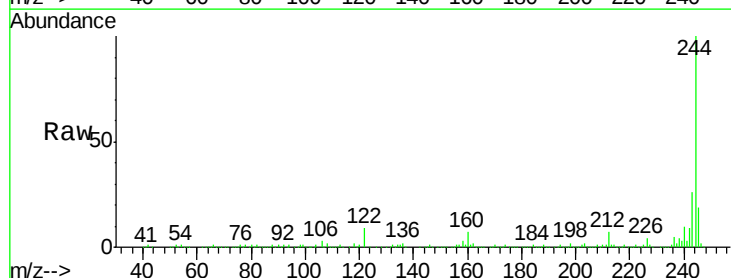
Tgt Ion:244 Resp: 570370

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

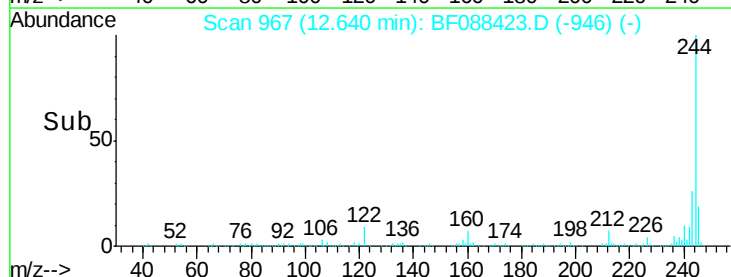
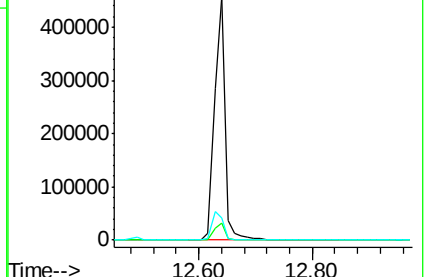
122 9.2 11.2 16.8#

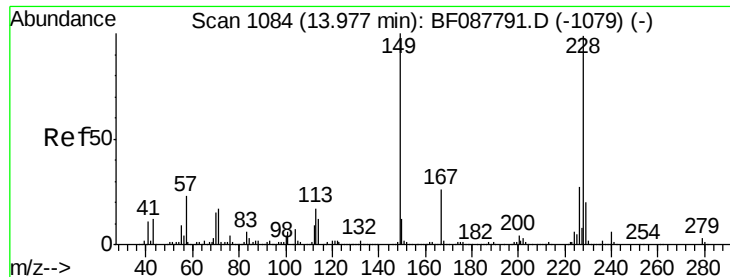


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 107.46 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.06 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

Instrument :

BNA_F

ClientSampled :

TP-15

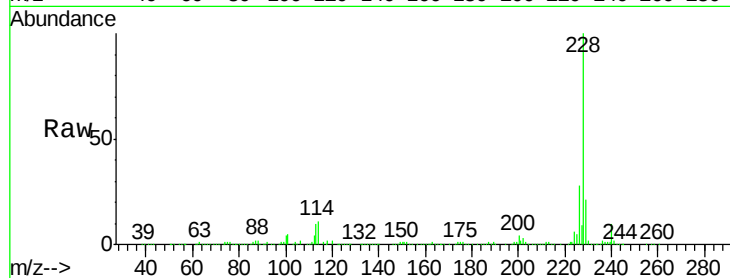
Tot Ion:228 Resp: 833367

Ion Ratio Lower Upper

228 100

226 27.5 22.3 33.5

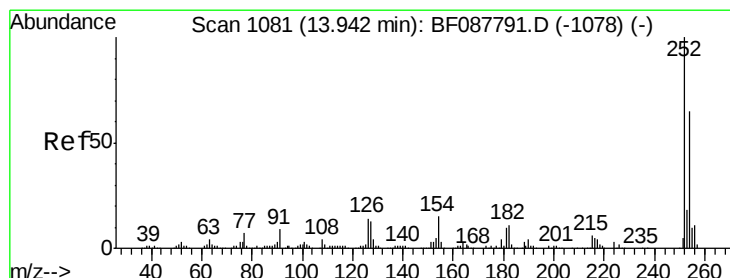
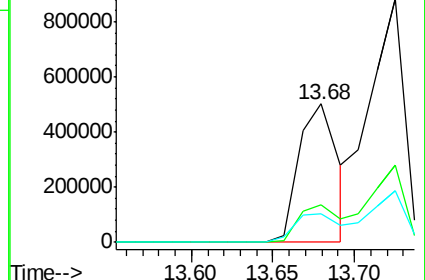
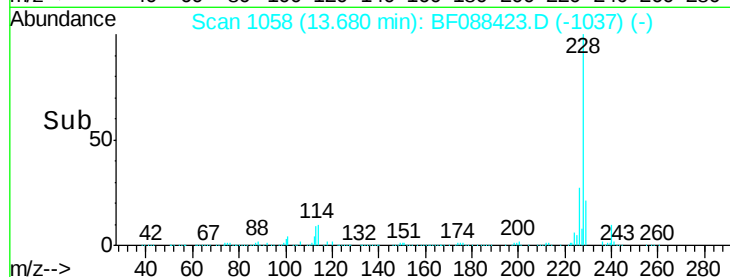
229 21.0 16.0 24.0



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: 5.58 ng

RT: 13.71 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

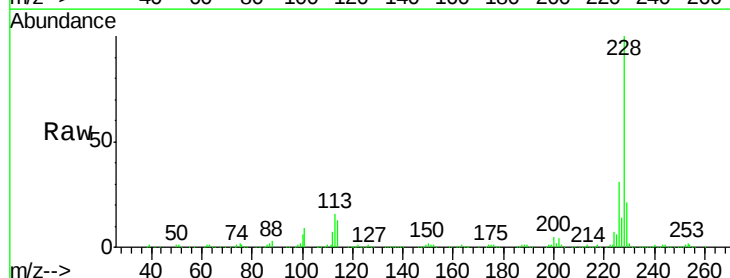
Tgt Ion:252 Resp: 11635

Ion Ratio Lower Upper

252 100

254 149.7 52.6 78.8#

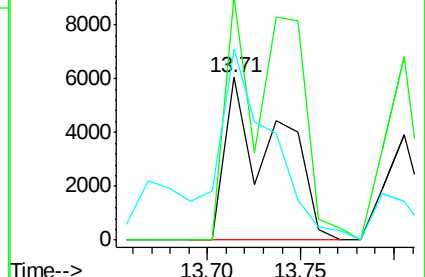
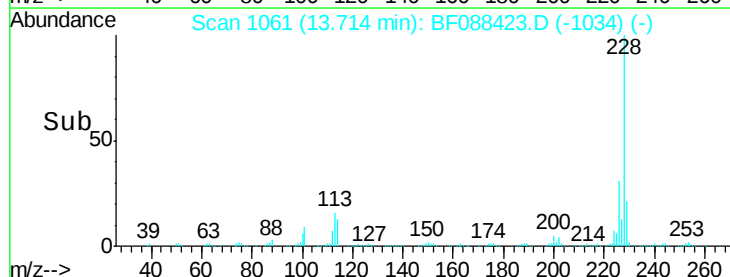
126 117.4 6.2 9.2#

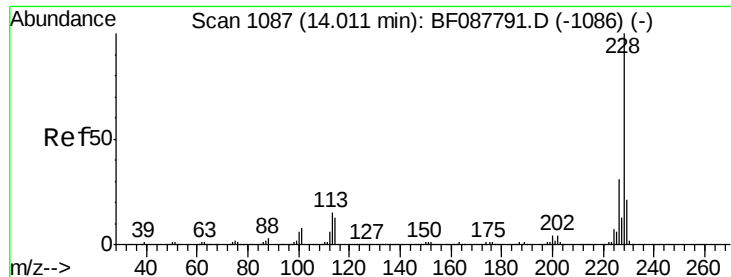


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 192.48 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.05 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

Instrument :

BNA_F

ClientSampled :

TP-15

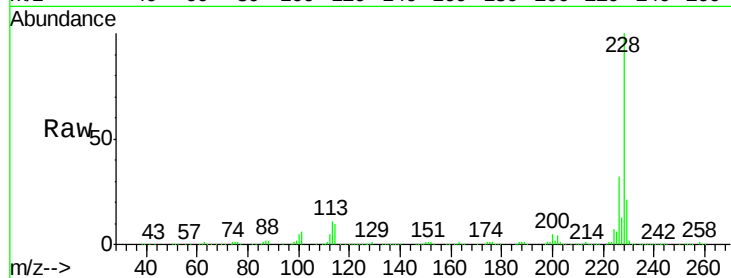
Tot Ion:228 Resp: 1404351

Ion Ratio Lower Upper

228 100

226 31.8 25.4 38.2

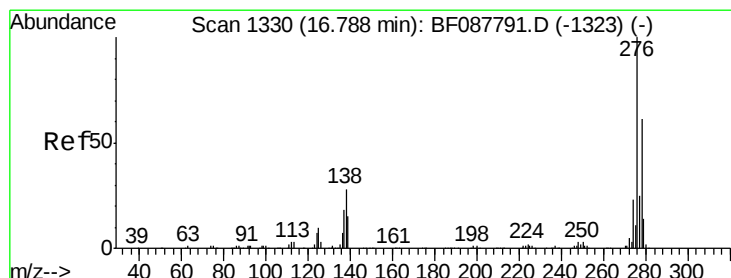
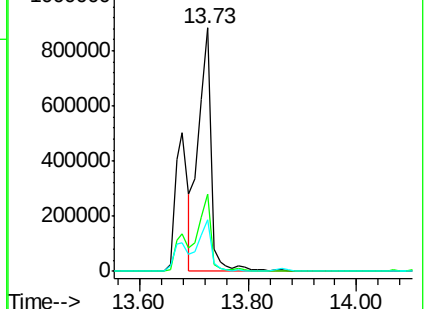
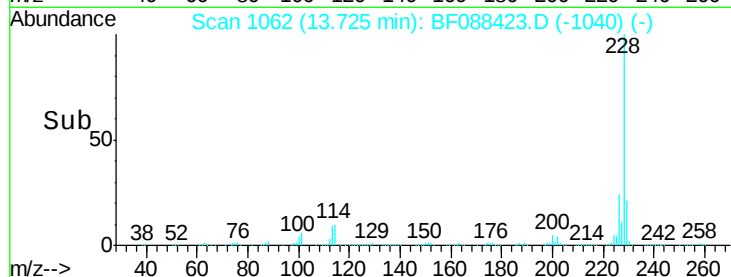
229 21.4 16.3 24.5



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: 50.02 ng

RT: 16.26 min Scan# 1284

Delta R.T. -0.10 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

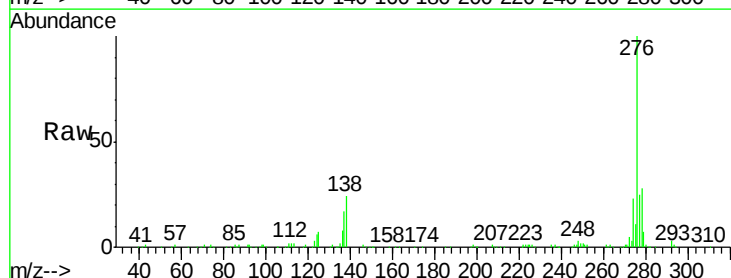
Tgt Ion:276 Resp: 339057

Ion Ratio Lower Upper

276 100

138 27.7 0.0 0.0#

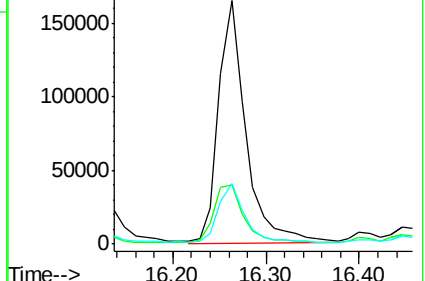
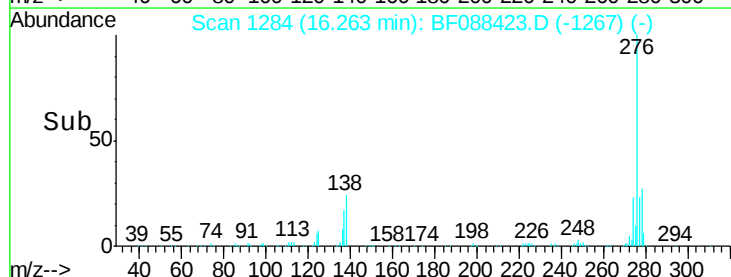
277 24.0 0.0 0.0#

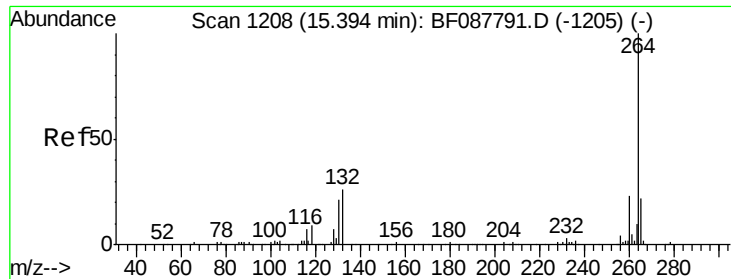


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

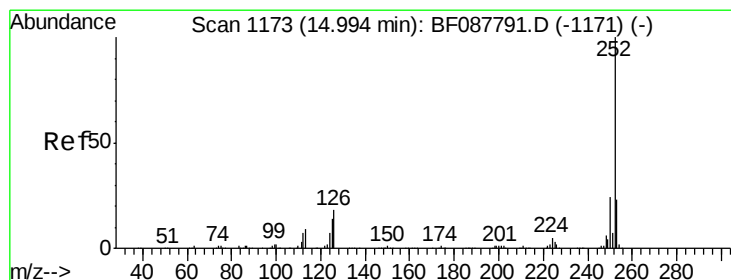
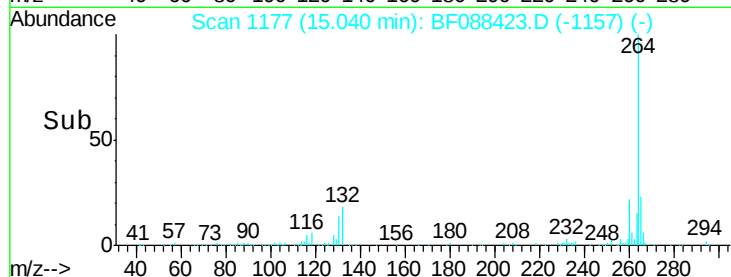
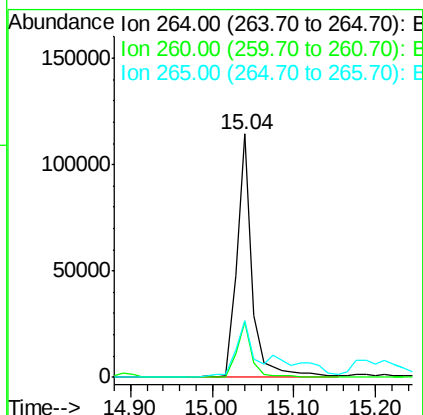
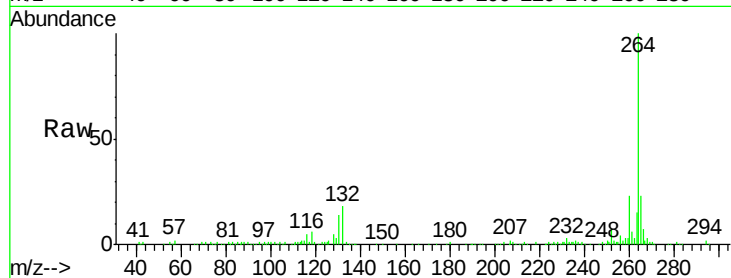




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.07 min
Lab File: BF088423.D
Acq: 26 Jun 2016 17:30

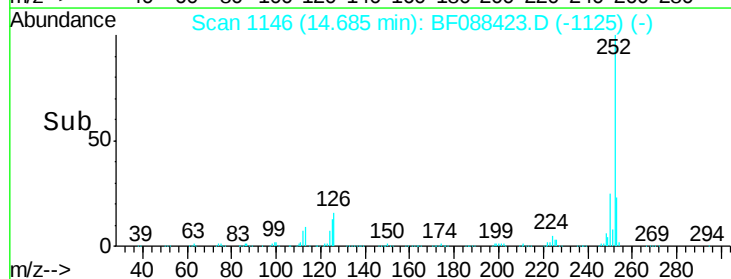
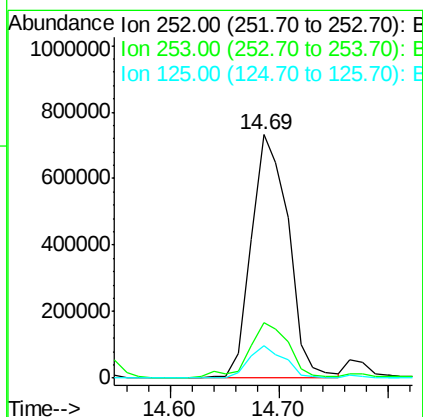
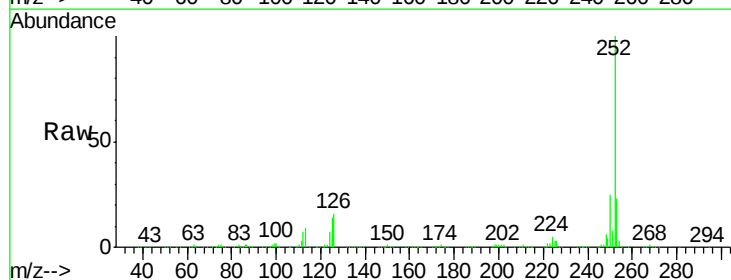
Instrument :
BNA_F
ClientSampled :
TP-15

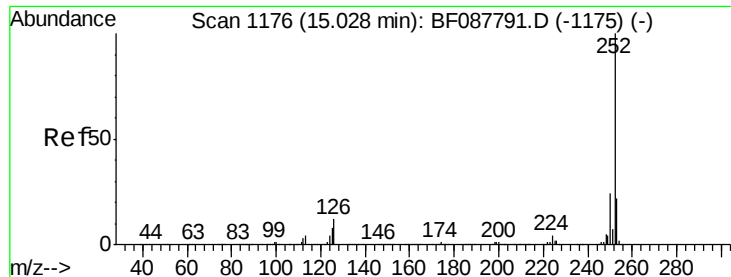
Tot Ion:264 Resp: 149839
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 23.4 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 165.69 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF088423.D
Acq: 26 Jun 2016 17:30

Tgt Ion:252 Resp: 1730362
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 13.5 7.1 10.7#

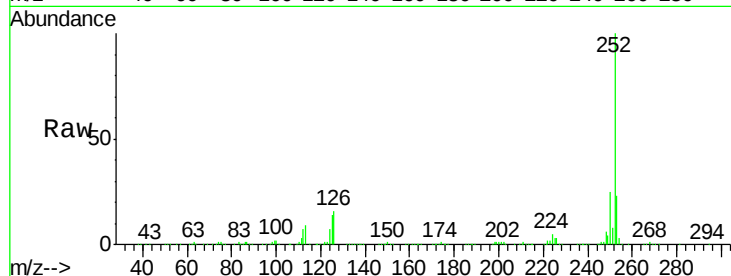




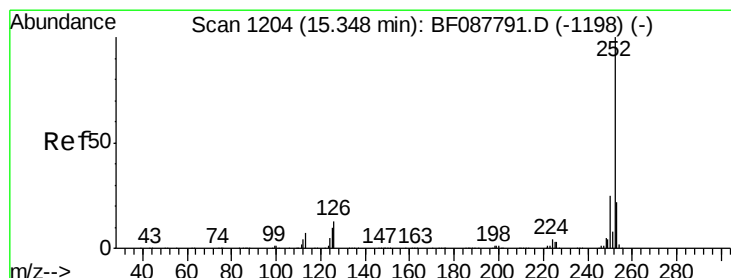
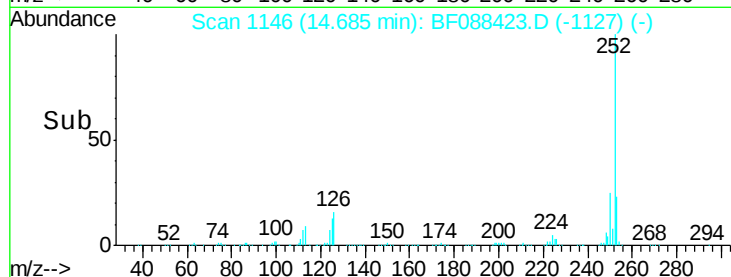
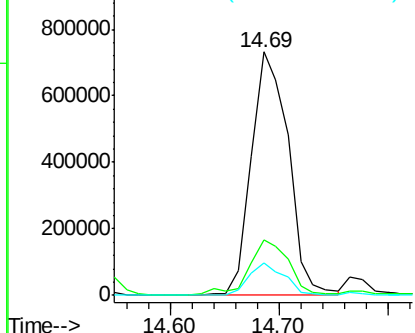
#88
Benzo(k)fluoranthene
Concen: 219.64 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.08 min
Lab File: BF088423.D
Acq: 26 Jun 2016 17:30

Instrument :
BNA_F
ClientSampled :
TP-15

Tot Ion:252 Resp: 1730362
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 13.5 11.2 16.8

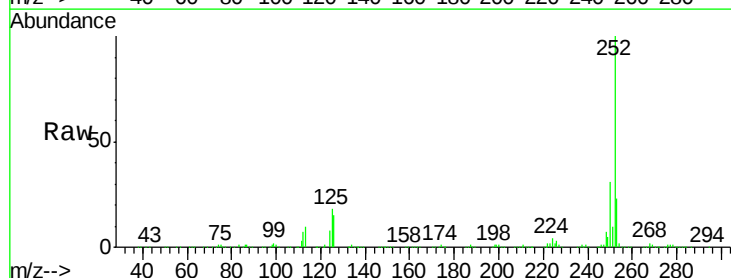


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

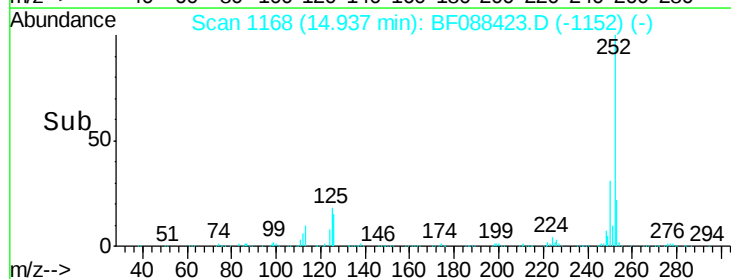
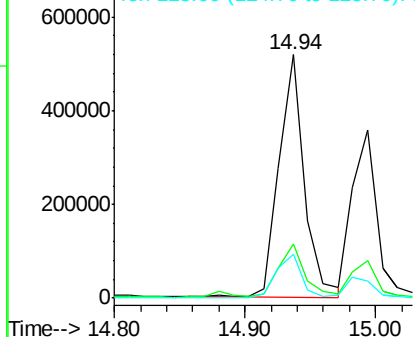


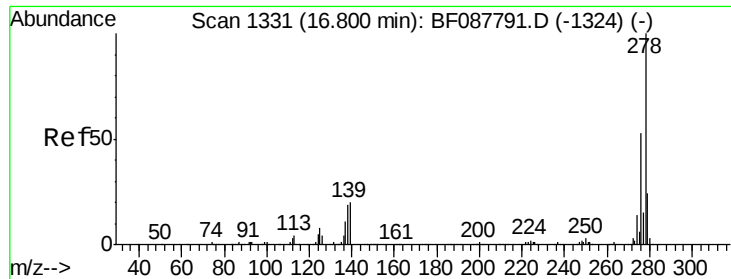
#89
Benzo(a)pyrene
Concen: 83.58 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.11 min
Lab File: BF088423.D
Acq: 26 Jun 2016 17:30

Tgt Ion:252 Resp: 706187
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 18.1 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: 5.36 ng

RT: 16.40 min Scan# 1296

Delta R.T. 0.03 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

Instrument :

BNA_F

ClientSampleId :

TP-15

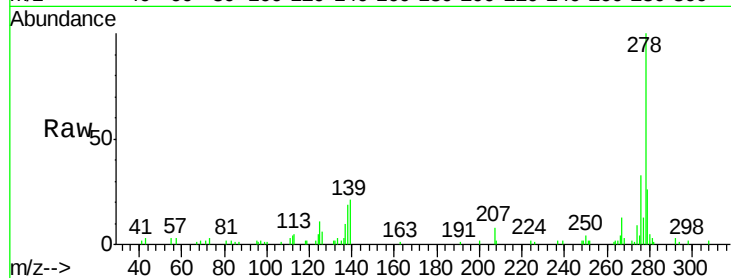
Tot Ion:278 Resp: 42050

Ion Ratio Lower Upper

278 100

139 21.0 15.7 23.5

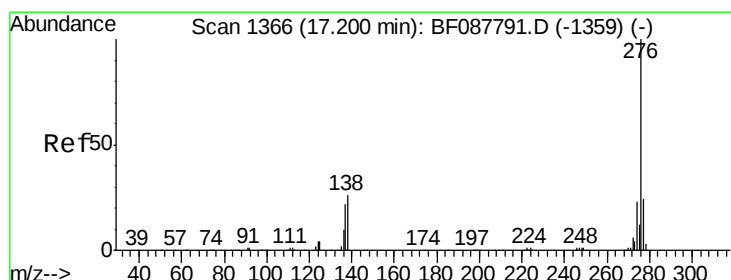
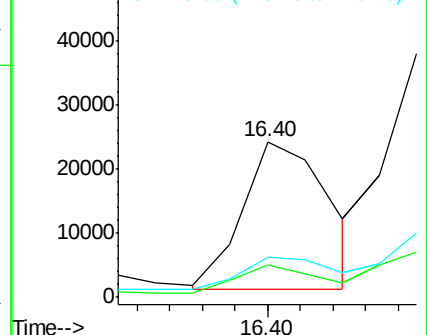
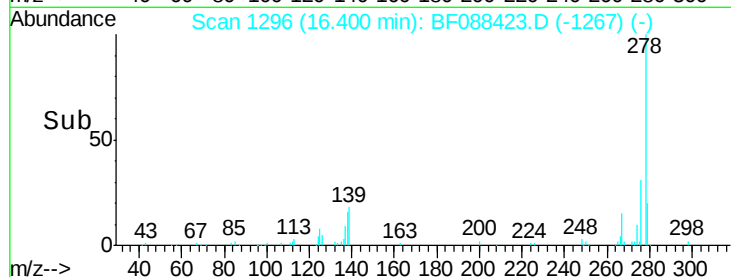
279 25.7 19.4 29.2



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: 41.13 ng

RT: 16.63 min Scan# 1316

Delta R.T. -0.11 min

Lab File: BF088423.D

Acq: 26 Jun 2016 17:30

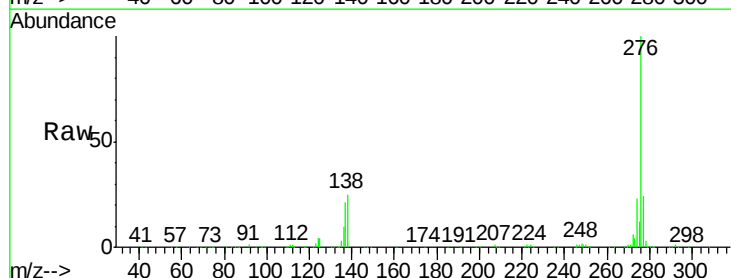
Tgt Ion:276 Resp: 332012

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 24.9 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

