

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082331.D
 Acq On : 16 Oct 2015 17:49
 Operator : UM/IZ
 Sample : G4051-05 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-4-20151015

Quant Time: Oct 17 01:14:43 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	51726	20.00	ng	0.06
21) Naphthalene-d8	8.18	136	237280	20.00	ng	0.06
38) Acenaphthene-d10	9.93	164	130452	20.00	ng	0.05
63) Phenanthrene-d10	11.42	188	273866	20.00	ng	0.05
75) Chrysene-d12	14.12	240	258530	20.00	ng	0.05
86) Perylene-d12	15.66	264	222750	20.00	ng	0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	33879	13.22	ng	0.07
7) Phenol-d6	6.54	99	42890	12.86	ng	0.06
23) Nitrobenzene-d5	7.46	82	27532	7.79	ng	0.05
41) 2,4,6-Tribromophenol	10.72	330	16404	13.41	ng	0.03
44) 2-Fluorobiphenyl	9.26	172	62123	7.90	ng	0.05
78) Terphenyl-d14	13.01	244	84657	8.68	ng	0.05

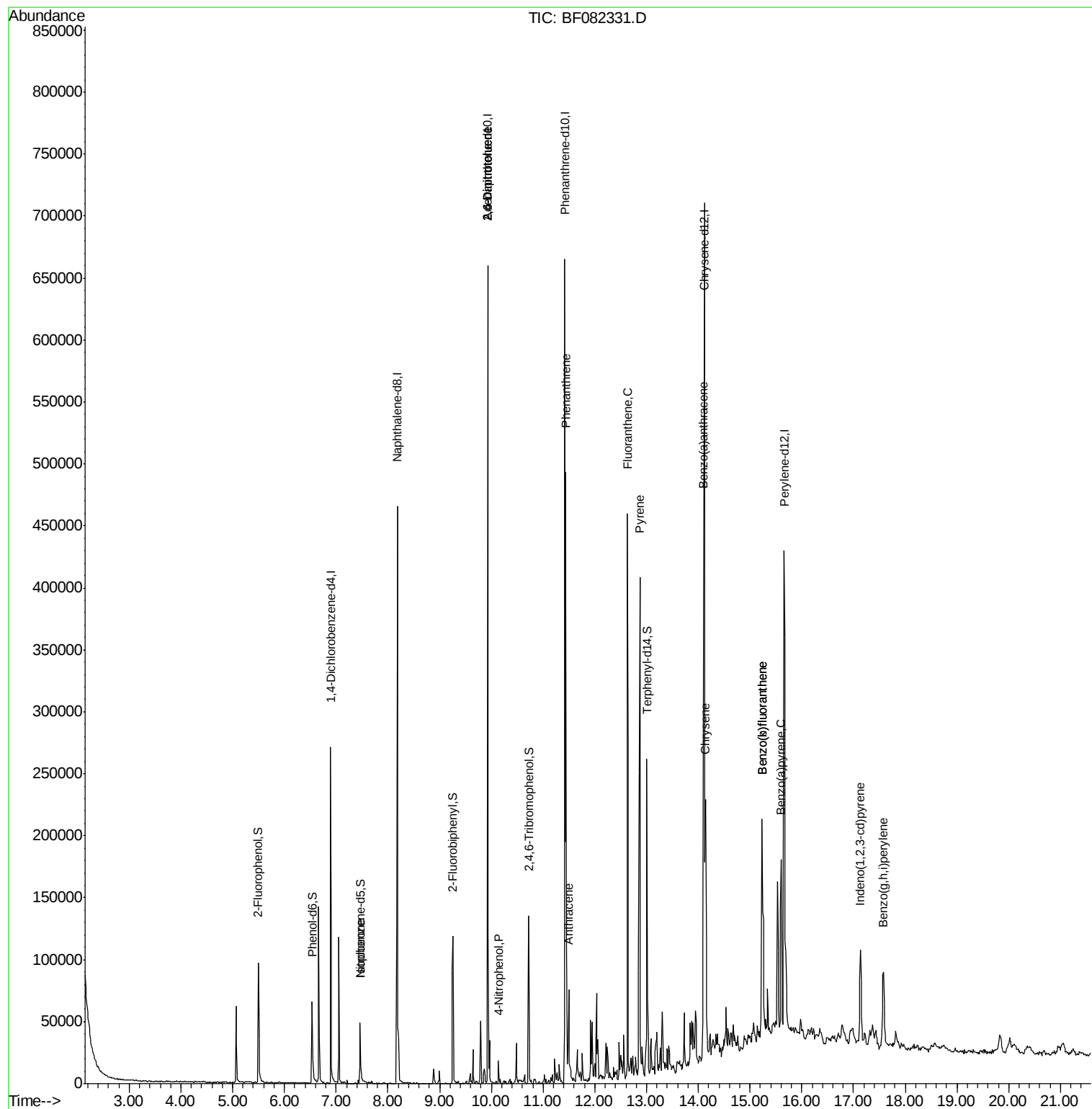
Target Compounds						Qvalue
25) Isophorone	7.46	82	27532	3.86	ng	# 66
50) 2,6-Dinitrotoluene	9.93	165	16107	8.31	ng	# 31
55) 4-Nitrophenol	10.14	139	3361	2.23	ng	# 11
56) 2,4-Dinitrotoluene	9.93	165	16108	6.65	ng	# 22
70) Phenanthrene	11.44	178	190595	14.20	ng	98
71) Anthracene	11.50	178	43292	3.13	ng	99
74) Fluoranthene	12.63	202	239841	16.64	ng	96
77) Pyrene	12.87	202	214739	14.00	ng	97
80) Benzo(a)anthracene	14.10	228	110366	8.20	ng	97
82) Chrysene	14.14	228	83529	5.89	ng	98
85) Indeno(1,2,3-cd)pyrene	17.13	276	58174	5.16	ng	93
87) Benzo(b)fluoranthene	15.24	252	157605	11.63	ng	99
88) Benzo(k)fluoranthene	15.24	252	157605	13.84	ng	# 97
89) Benzo(a)pyrene	15.60	252	78027	6.70	ng	97
91) Benzo(a,h,i)perylene	17.58	276	62510	6.74	ng	97

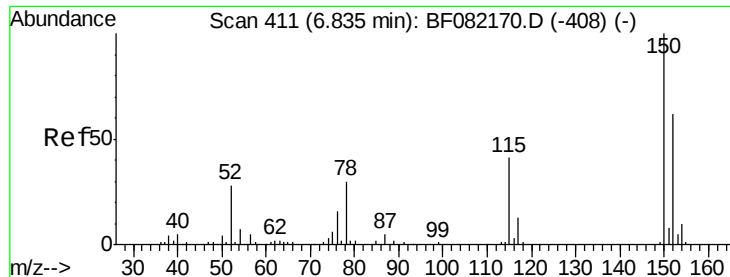
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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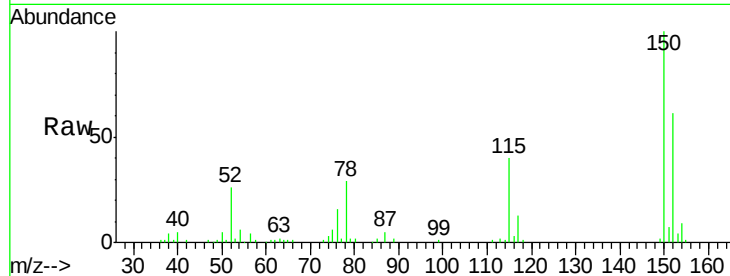


#1

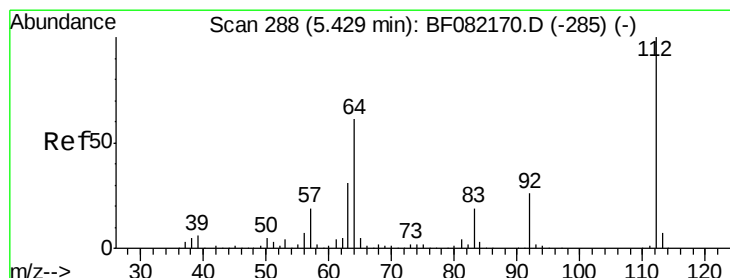
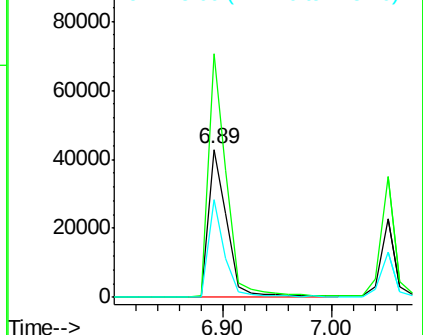
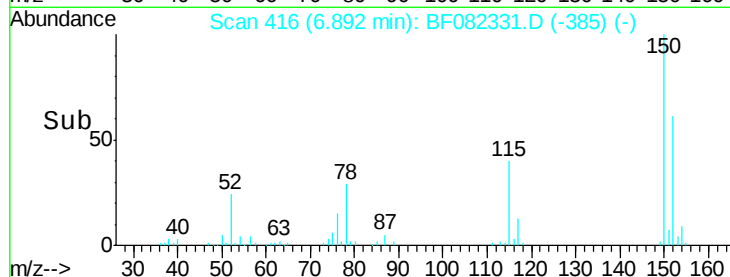
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 416
Delta R.T. 0.06 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Instrument :
BNA_F
ClientSampleId :
TK1-4-20151015

Tot Ion:152 Resp: 51726
Ion Ratio Lower Upper
152 100
150 164.3 129.0 193.4
115 65.8 52.1 78.1



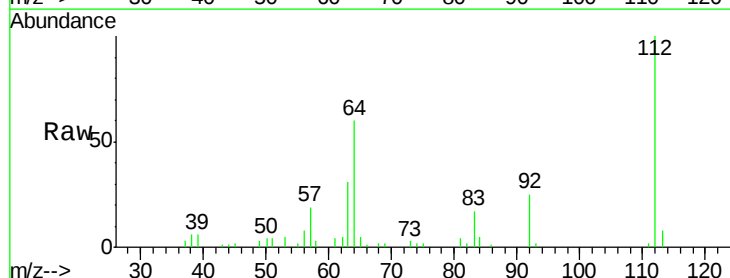
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



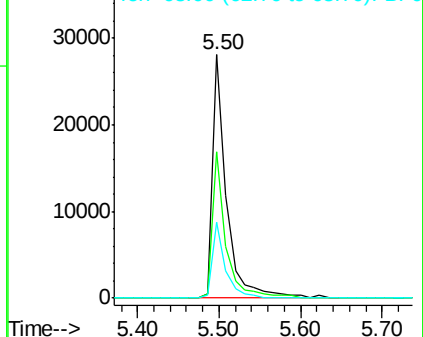
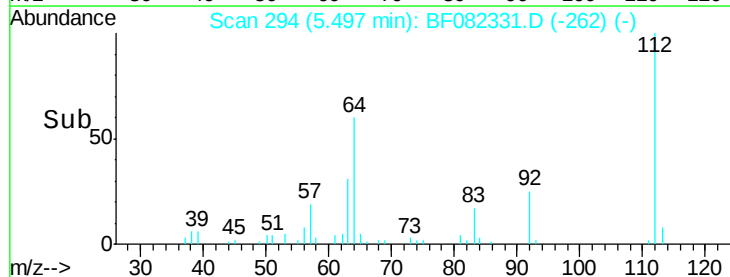
#5

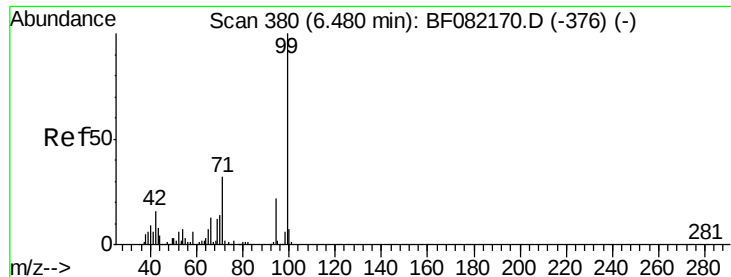
2-Fluorophenol
Concen: 13.22 ng
RT: 5.50 min Scan# 294
Delta R.T. 0.07 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Tgt Ion:112 Resp: 33879
Ion Ratio Lower Upper
112 100
64 60.2 48.6 73.0
63 31.4 25.1 37.7



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: 12.86 ng

RT: 6.54 min Scan# 385

Delta R.T. 0.06 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Instrument :

BNA_F

ClientSampleId :

TK1-4-20151015

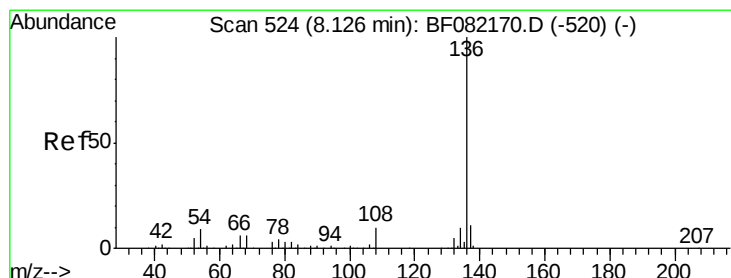
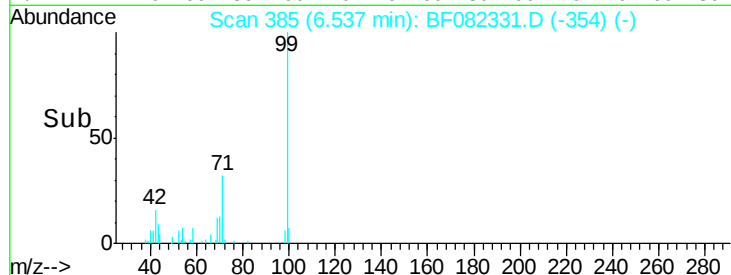
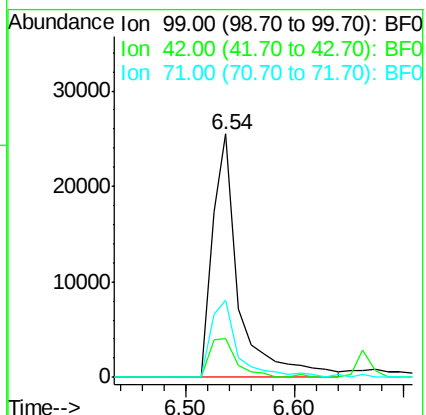
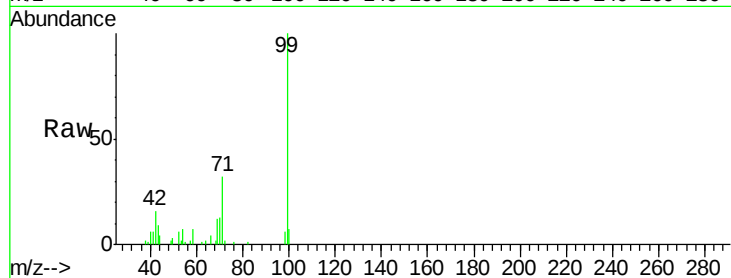
Tot Ion: 99 Resp: 42890

Ion Ratio Lower Upper

99 100

42 15.9 13.2 19.8

71 31.8 25.6 38.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 529

Delta R.T. 0.06 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Tgt Ion: 136 Resp: 237280

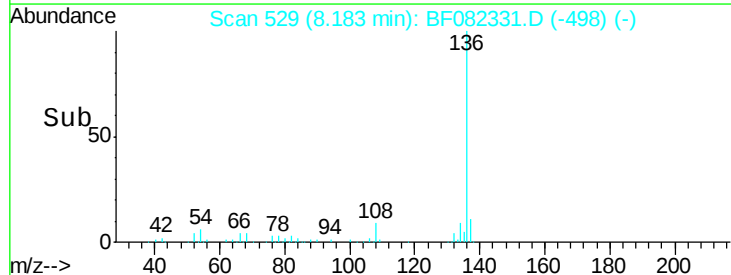
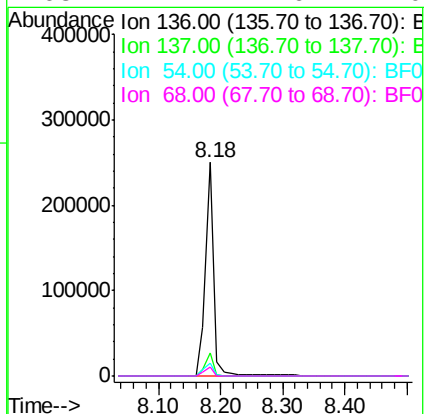
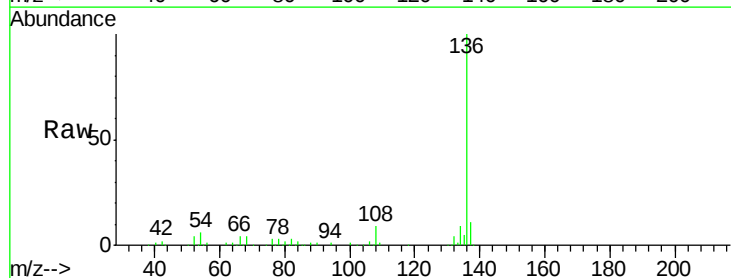
Ion Ratio Lower Upper

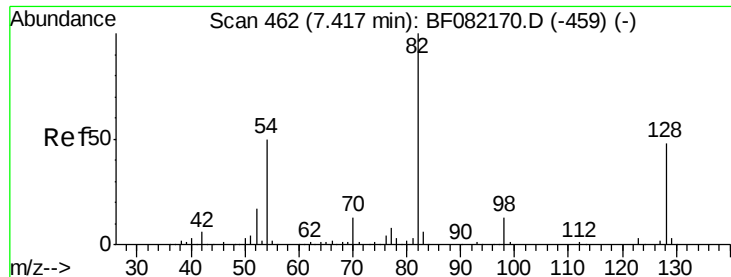
136 100

137 10.5 9.0 13.6

54 6.3 7.5 11.3#

68 4.4 4.6 7.0#

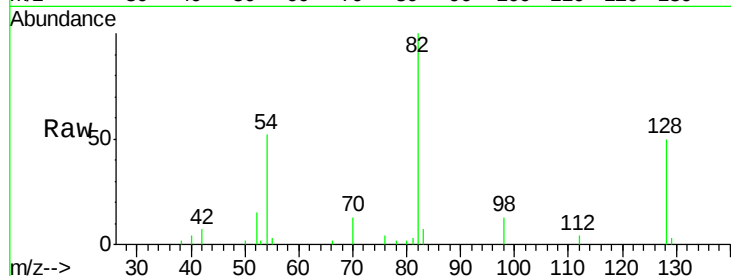




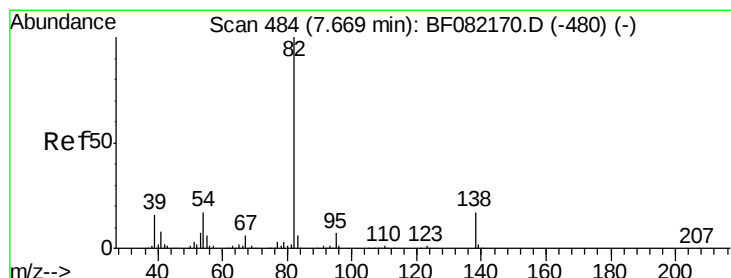
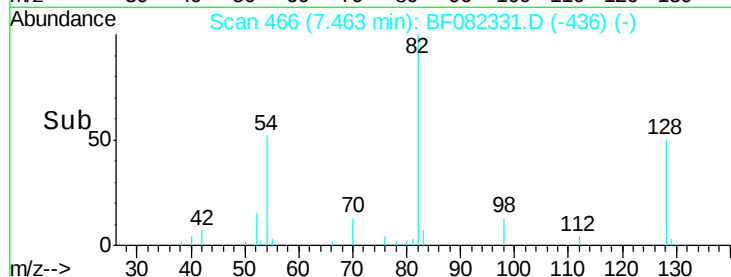
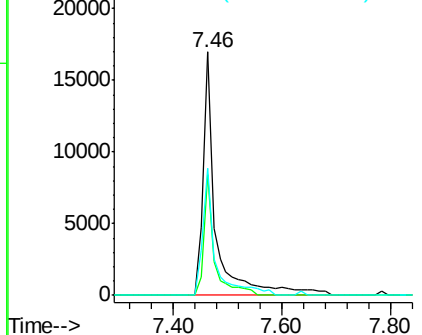
#23
 Nitrobenzene-d5
 Concen: 7.79 ng
 RT: 7.46 min Scan# 466
 Delta R.T. 0.05 min
 Lab File: BF082331.D
 Acq: 16 Oct 2015 17:49

Instrument :
 BNA_F
 ClientSampleId :
 TK1-4-20151015

Tot Ion: 82 Resp: 27532
 Ion Ratio Lower Upper
 82 100
 128 49.7 38.7 58.1
 54 52.0 40.1 60.1

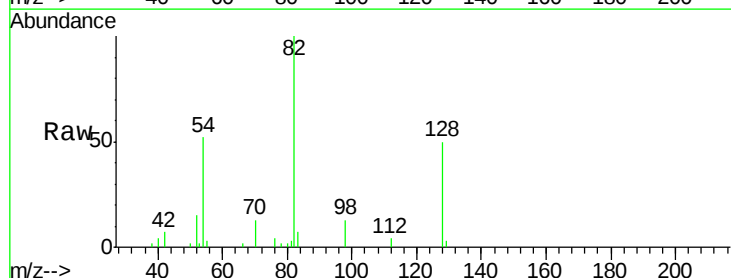


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

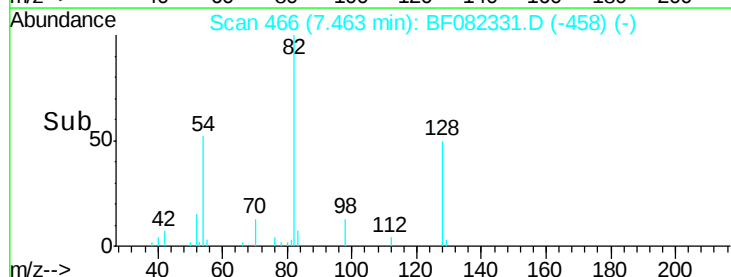
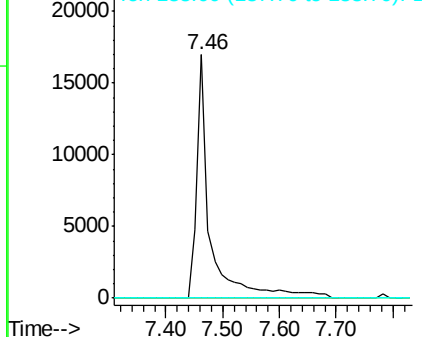


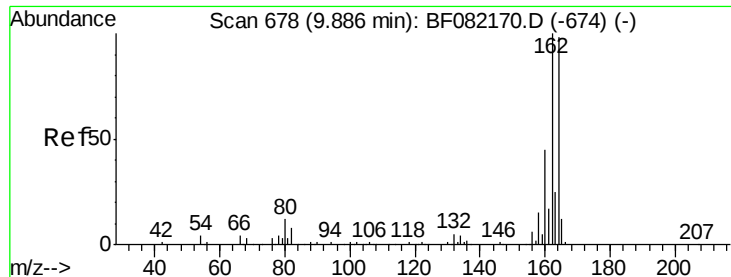
#25
 Isophorone
 Concen: 3.86 ng
 RT: 7.46 min Scan# 466
 Delta R.T. -0.21 min
 Lab File: BF082331.D
 Acq: 16 Oct 2015 17:49

Tgt Ion: 82 Resp: 27532
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 13.6 20.4#



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

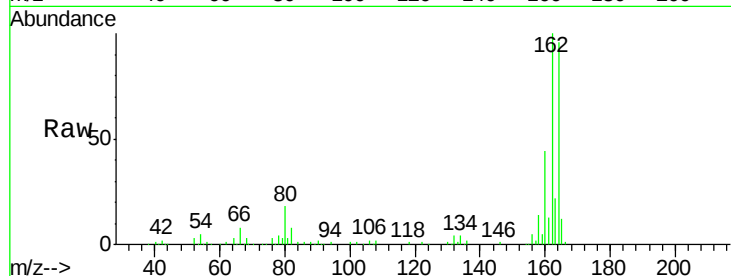




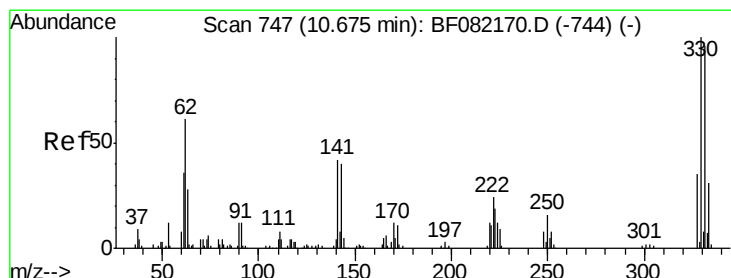
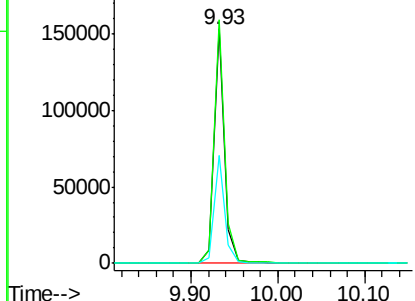
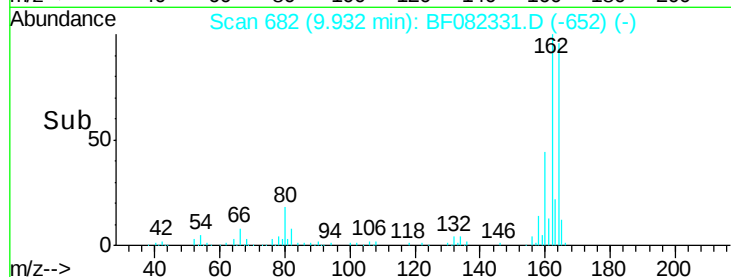
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 682
 Delta R.T. 0.05 min
 Lab File: BF082331.D
 Acq: 16 Oct 2015 17:49

Instrument :
 BNA_F
 ClientSampleId :
 TK1-4-20151015

Tot Ion:164 Resp: 130452
 Ion Ratio Lower Upper
 164 100
 162 103.8 81.6 122.4
 160 45.8 36.4 54.6

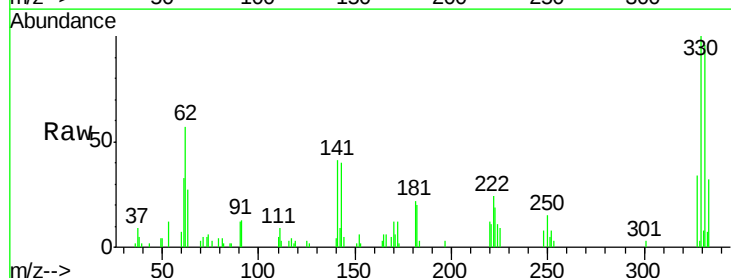


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

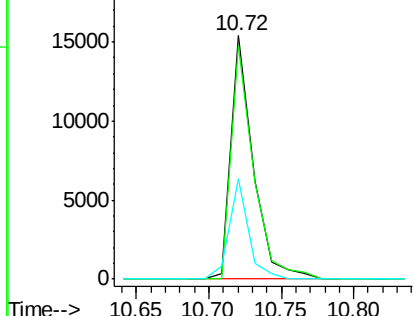
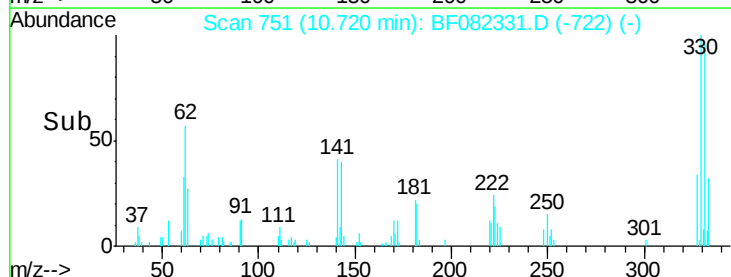


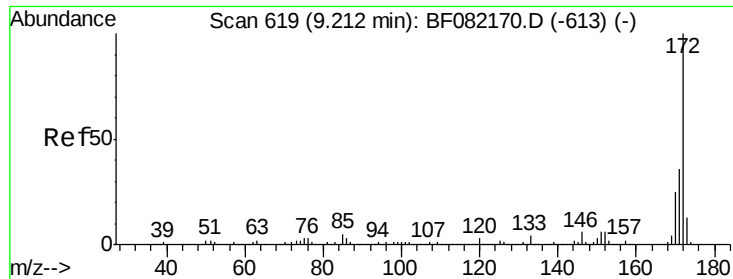
#41
 2,4,6-Tribromophenol
 Concen: 13.41 ng
 RT: 10.72 min Scan# 751
 Delta R.T. 0.03 min
 Lab File: BF082331.D
 Acq: 16 Oct 2015 17:49

Tgt Ion:330 Resp: 16404
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.1 115.7
 141 35.9 29.8 44.8



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

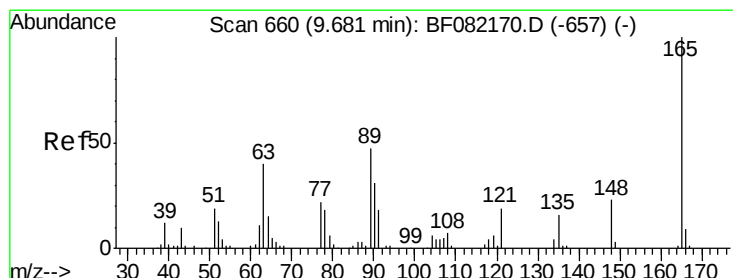
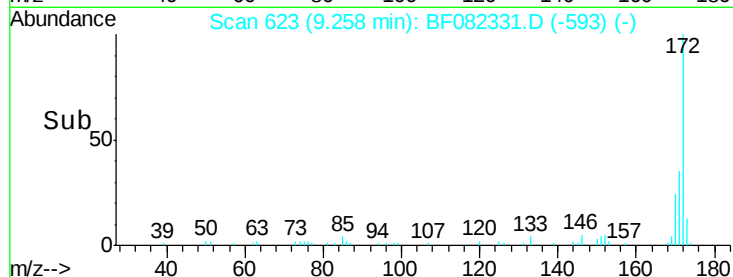
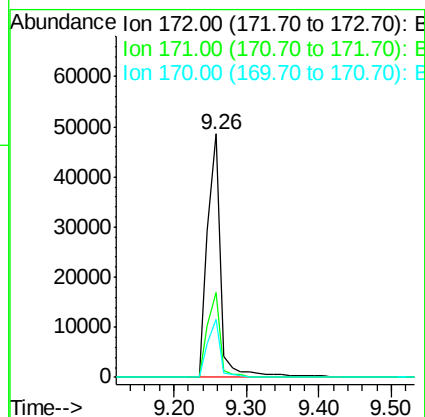
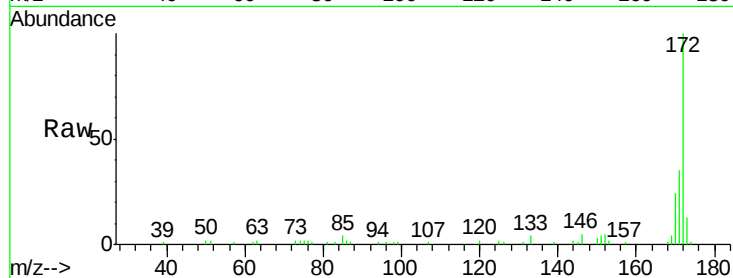




#44
 2-Fluorobiphenyl
 Concen: 7.90 ng
 RT: 9.26 min Scan# 623
 Delta R.T. 0.05 min
 Lab File: BF082331.D
 Acq: 16 Oct 2015 17:49

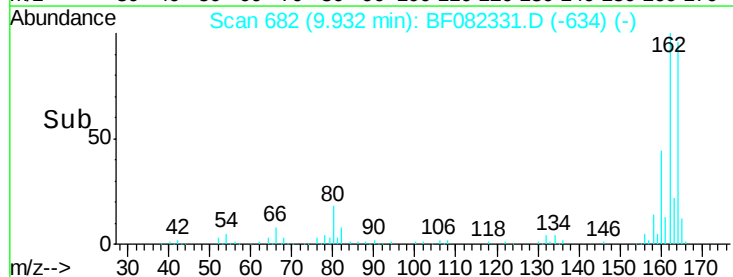
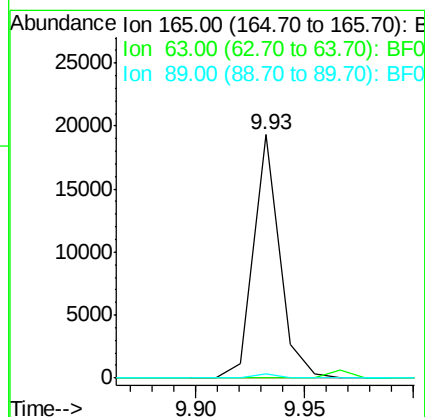
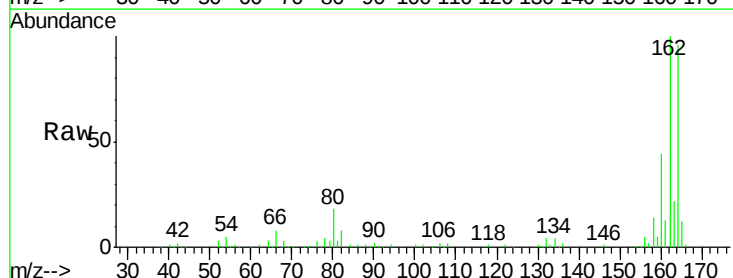
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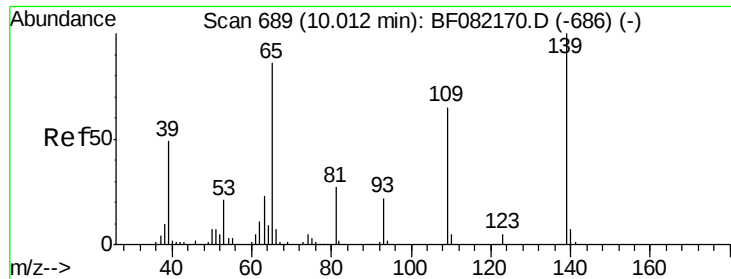
Tot Ion:172 Resp: 62123
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 42.8
 170 23.9 19.7 29.5



#50
 2,6-Dinitrotoluene
 Concen: 8.31 ng
 RT: 9.93 min Scan# 682
 Delta R.T. 0.25 min
 Lab File: BF082331.D
 Acq: 16 Oct 2015 17:49

Tgt Ion:165 Resp: 16107
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.7 55.1#
 89 1.7 37.8 56.6#

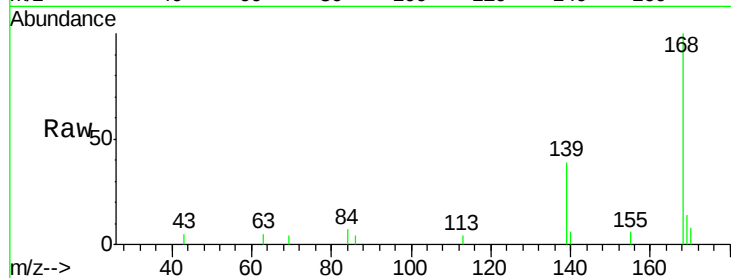




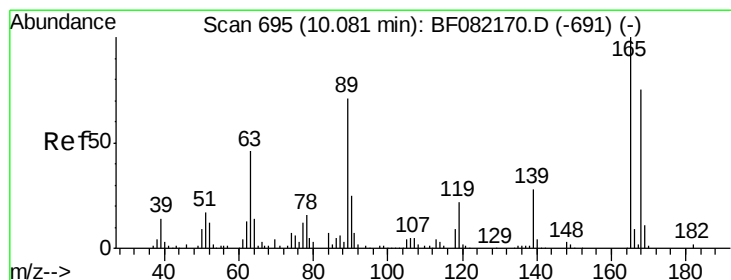
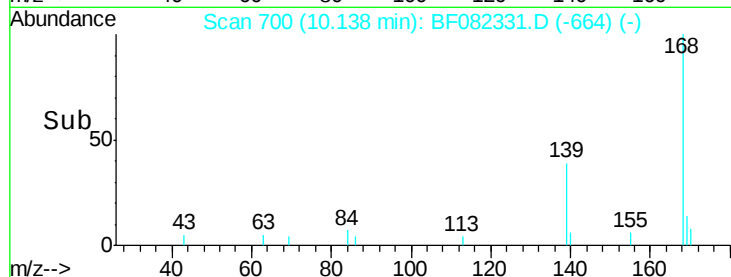
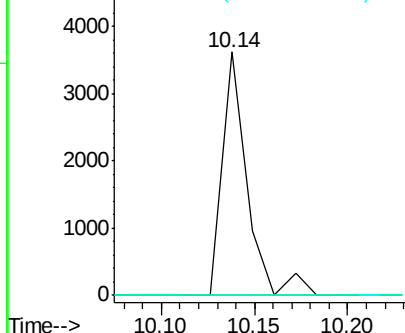
#55
4-Nitrophenol
Concen: 2.23 ng
RT: 10.14 min Scan# 700
Delta R.T. 0.11 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Instrument :
BNA_F
ClientSampleId :
TK1-4-20151015

Tot Ion:139 Resp: 3361
Ion Ratio Lower Upper
139 100
109 0.0 44.8 84.8#
65 0.0 67.7 107.7#

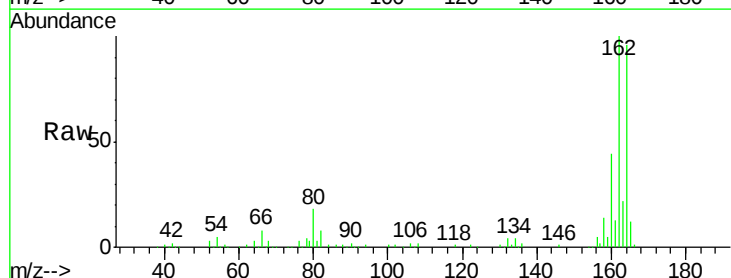


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

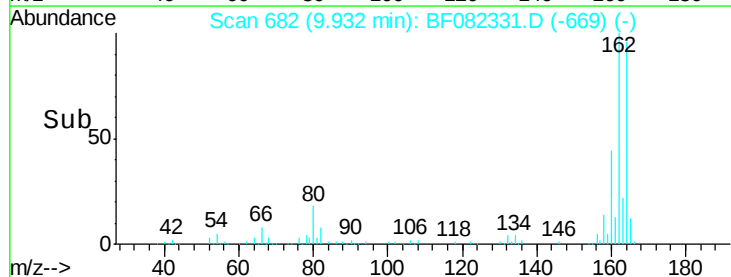
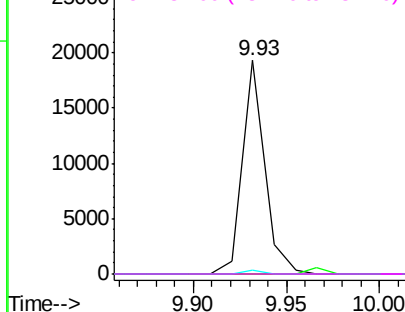


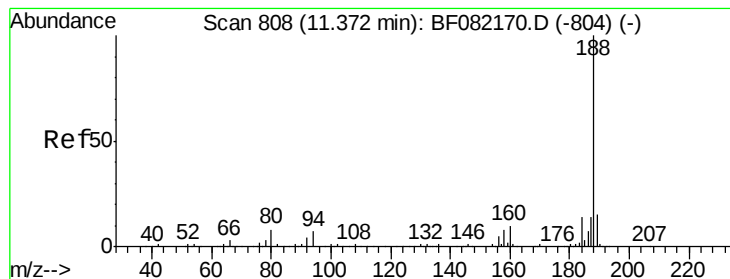
#56
2,4-Dinitrotoluene
Concen: 6.65 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.15 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Tgt Ion:165 Resp: 16108
Ion Ratio Lower Upper
165 100
63 0.0 38.6 58.0#
89 1.7 57.0 85.6#
182 0.0 1.8 2.6#



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: 11.42 min Scan# 812

Delta R.T. 0.05 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Instrument :

BNA_F

ClientSampleId :

TK1-4-20151015

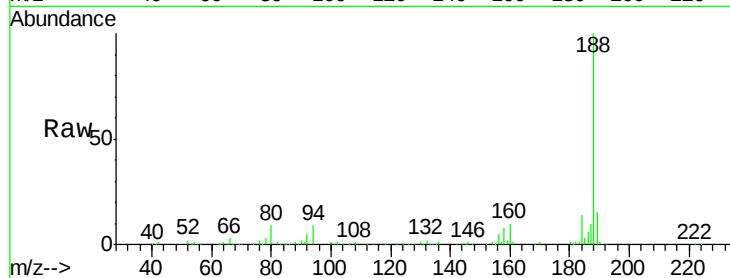
Tot Ion:188 Resp: 273866

Ion Ratio Lower Upper

188 100

94 8.8 5.8 8.6#

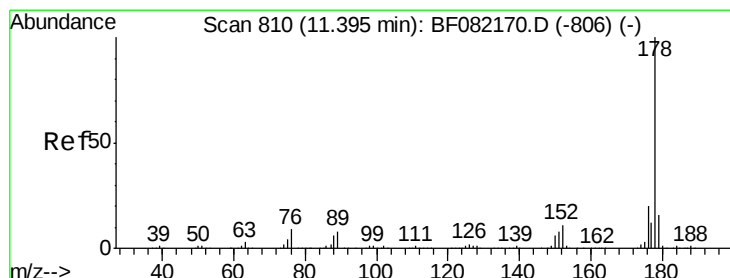
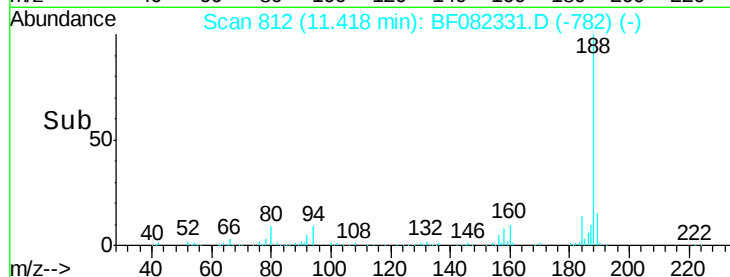
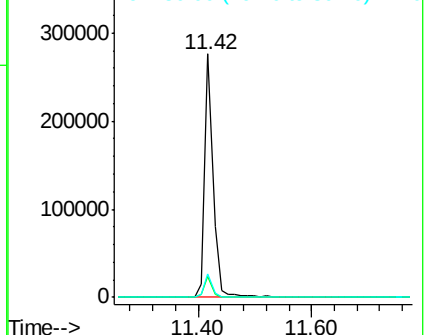
80 9.5 6.4 9.6



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: 14.20 ng

RT: 11.44 min Scan# 814

Delta R.T. 0.05 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

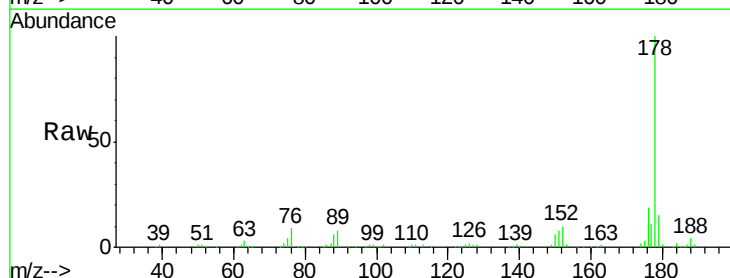
Tgt Ion:178 Resp: 190595

Ion Ratio Lower Upper

178 100

176 18.9 16.0 24.0

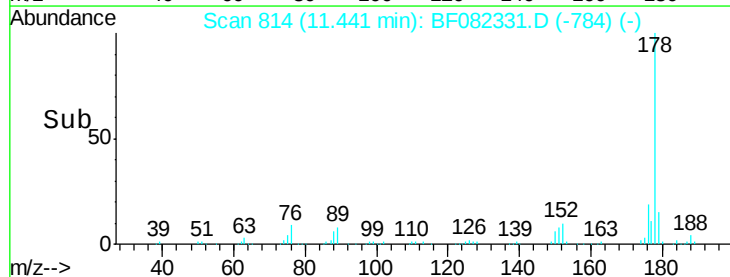
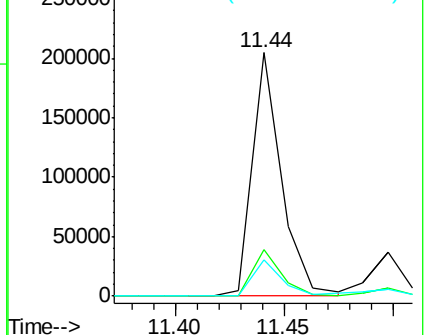
179 14.9 12.6 19.0

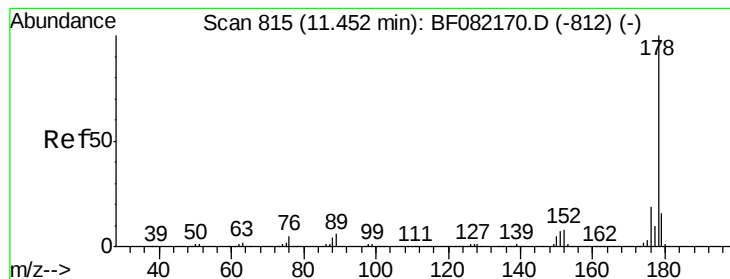


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.13 ng

RT: 11.50 min Scan# 819

Delta R.T. 0.05 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Instrument :

BNA_F

ClientSampleId :

TK1-4-20151015

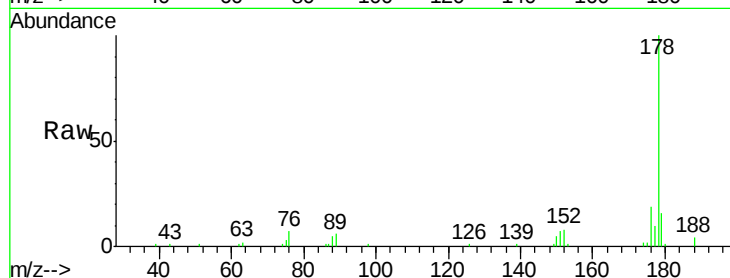
Tot Ion:178 Resp: 43292

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

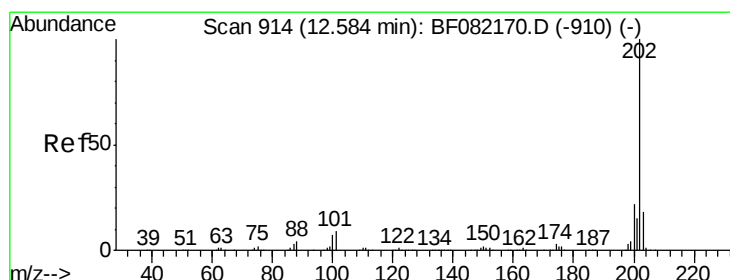
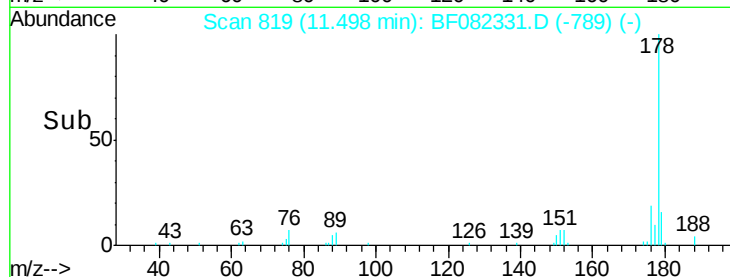
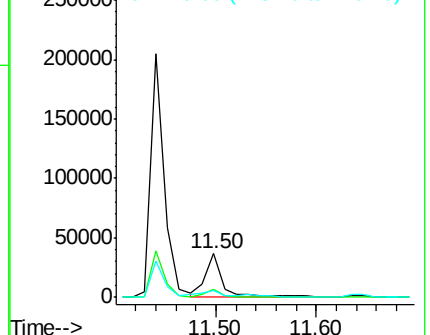
179 15.5 12.5 18.7



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: 16.64 ng

RT: 12.63 min Scan# 918

Delta R.T. 0.03 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

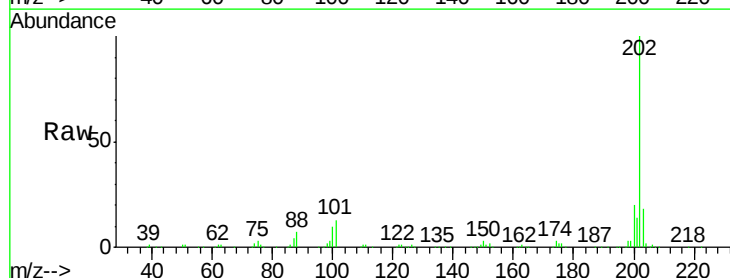
Tgt Ion:202 Resp: 239841

Ion Ratio Lower Upper

202 100

101 12.9 0.0 29.3

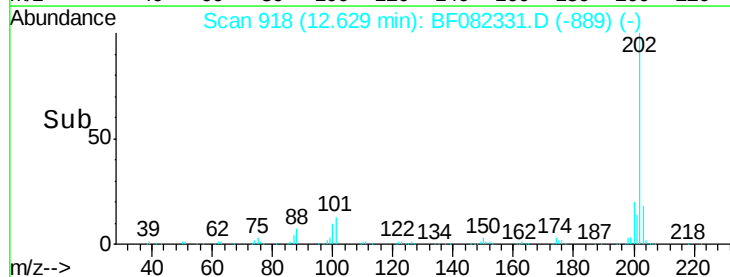
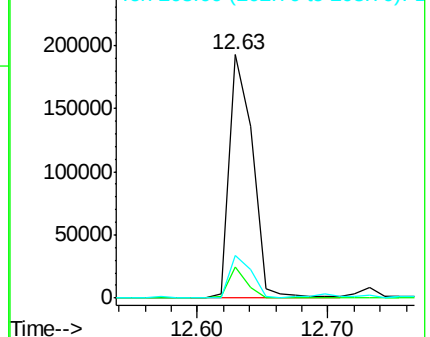
203 17.7 0.0 37.8

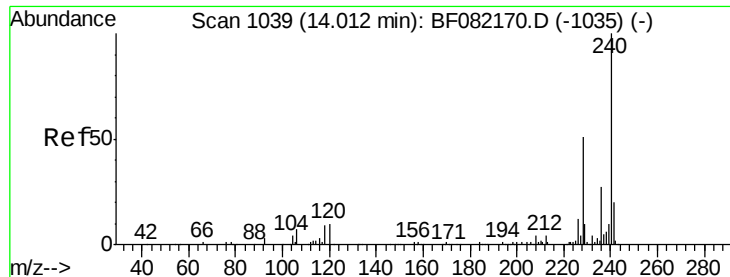


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.12 min Scan# 1048

Delta R.T. 0.05 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Instrument :

BNA_F

ClientSampleId :

TK1-4-20151015

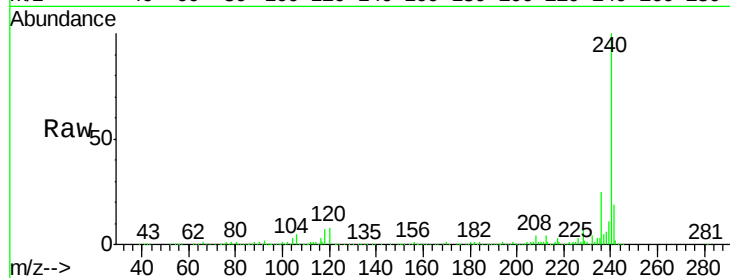
Tot Ion:240 Resp: 258530

Ion Ratio Lower Upper

240 100

120 8.0 8.1 12.1#

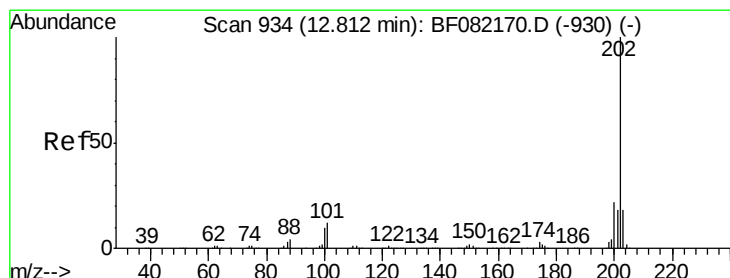
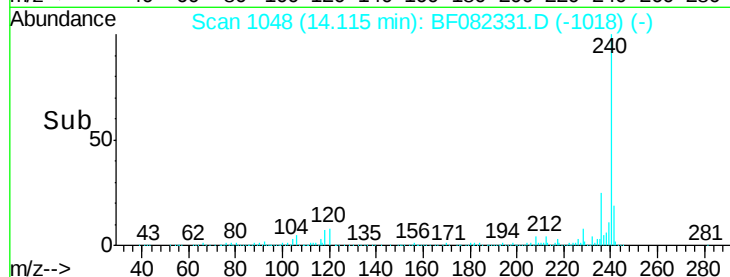
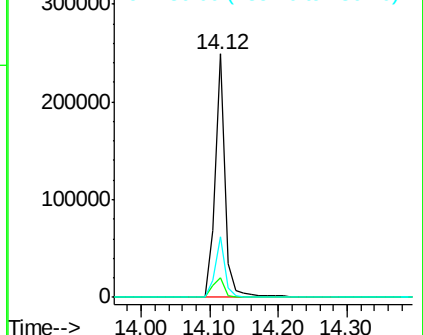
236 25.0 21.3 31.9



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: 14.00 ng

RT: 12.87 min Scan# 939

Delta R.T. 0.05 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

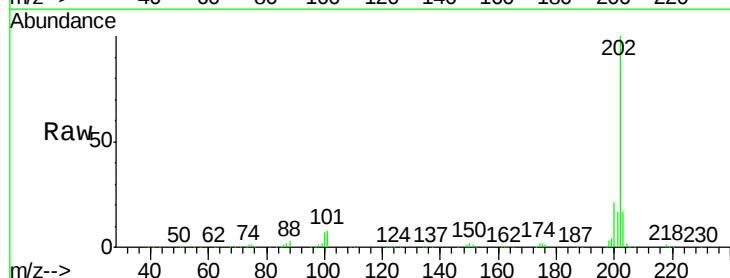
Tgt Ion:202 Resp: 214739

Ion Ratio Lower Upper

202 100

200 20.9 17.9 26.9

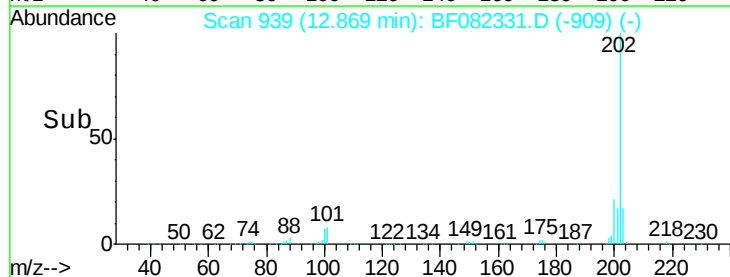
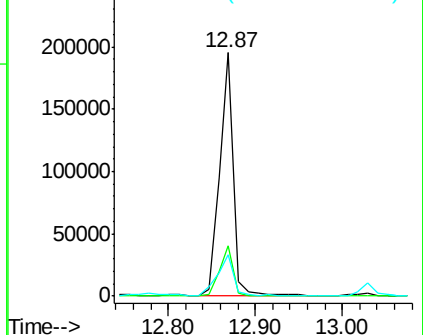
203 17.1 14.5 21.7

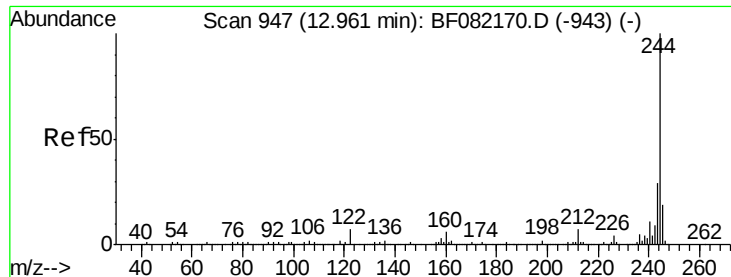


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.68 ng

RT: 13.01 min Scan# 951

Delta R.T. 0.05 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Instrument :

BNA_F

ClientSampleId :

TK1-4-20151015

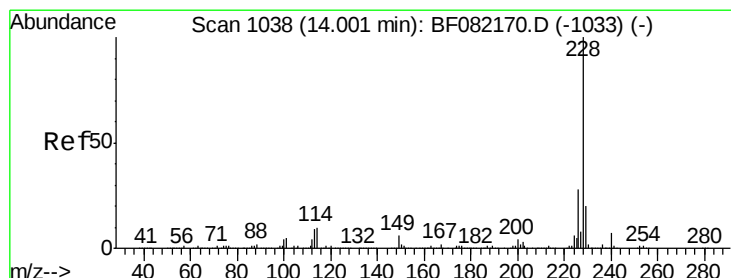
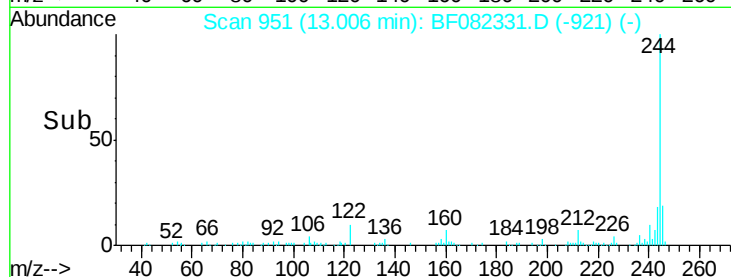
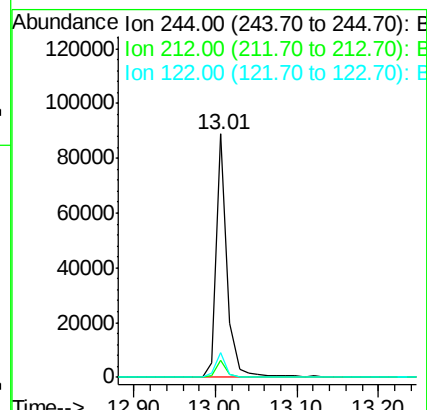
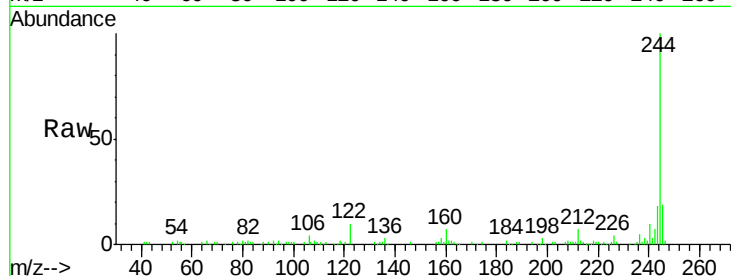
Tot Ion:244 Resp: 84657

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 10.4 5.9 8.9#



#80

Benzo(a)anthracene

Concen: 8.20 ng

RT: 14.10 min Scan# 1047

Delta R.T. 0.05 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

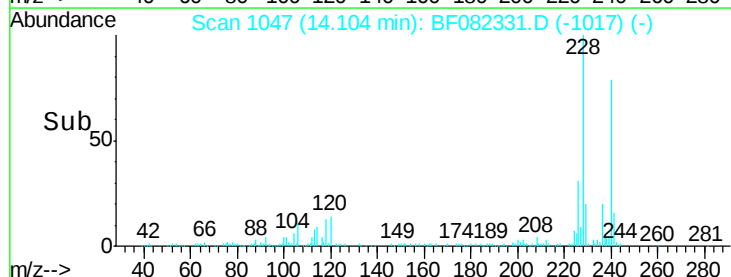
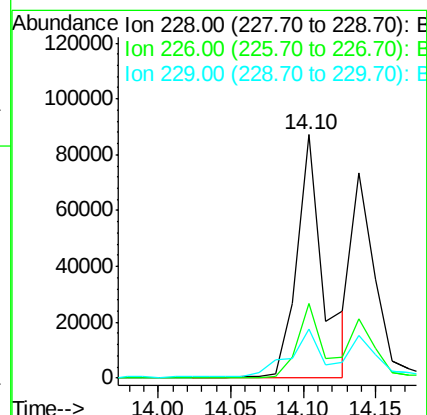
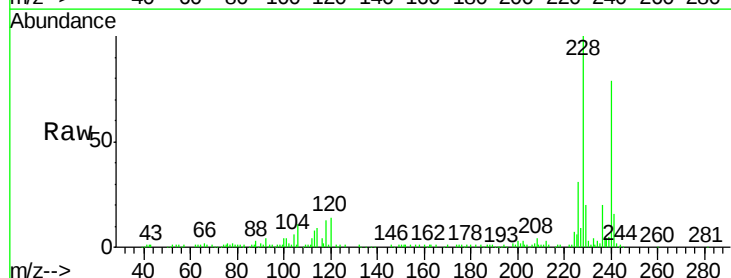
Tgt Ion:228 Resp: 110366

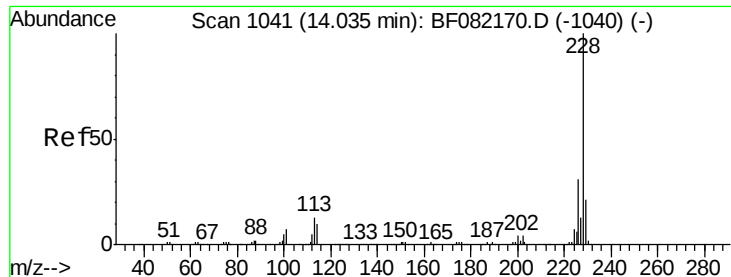
Ion Ratio Lower Upper

228 100

226 30.5 22.3 33.5

229 20.1 16.2 24.2





#82

Chrysene

Concen: 5.89 ng

RT: 14.14 min Scan# 1050

Delta R.T. 0.05 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

Instrument :

BNA_F

ClientSampleId :

TK1-4-20151015

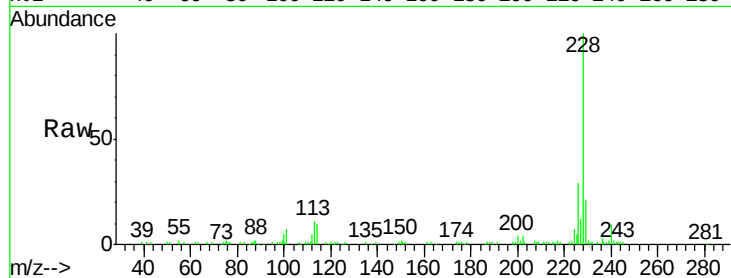
Tot Ion:228 Resp: 83529

Ion Ratio Lower Upper

228 100

226 28.8 24.4 36.6

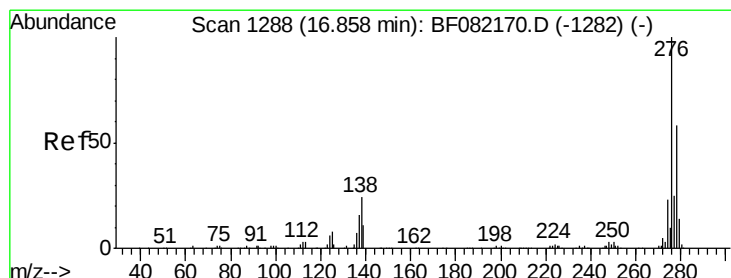
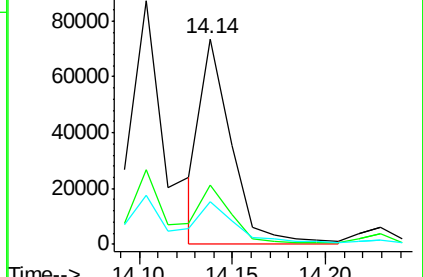
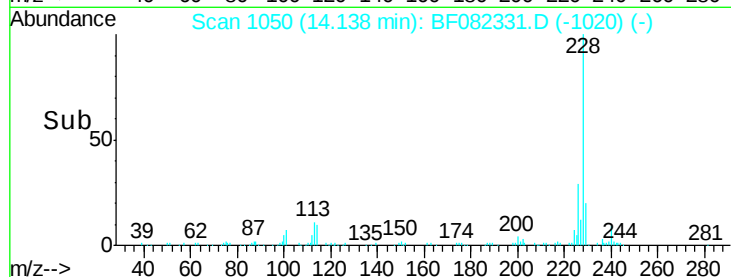
229 21.0 16.3 24.5



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: 5.16 ng

RT: 17.13 min Scan# 1312

Delta R.T. 0.10 min

Lab File: BF082331.D

Acq: 16 Oct 2015 17:49

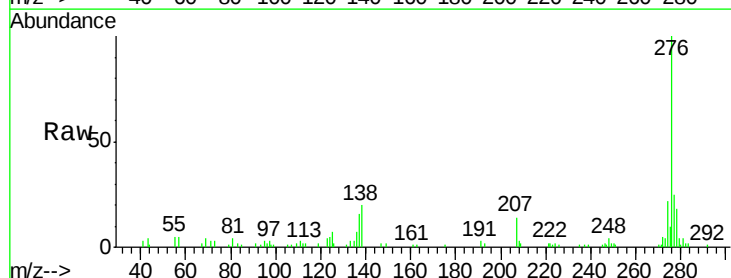
Tgt Ion:276 Resp: 58174

Ion Ratio Lower Upper

276 100

138 21.1 19.7 29.5

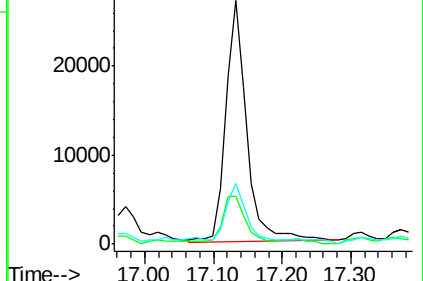
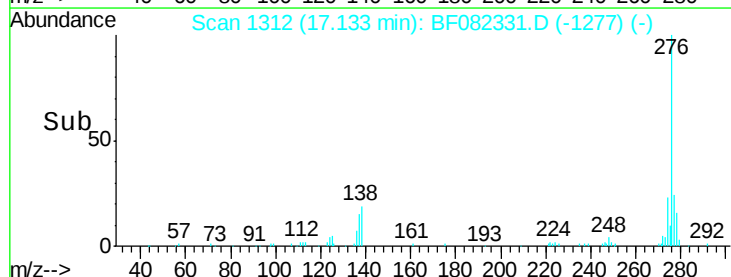
277 21.9 20.1 30.1

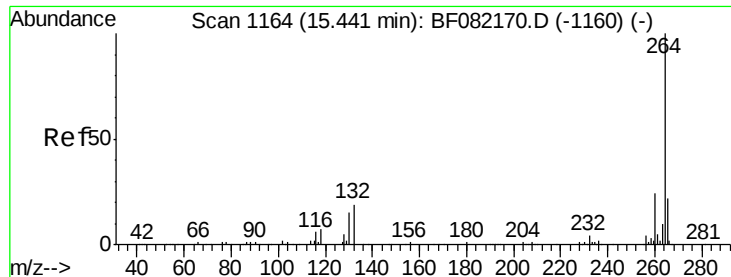


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

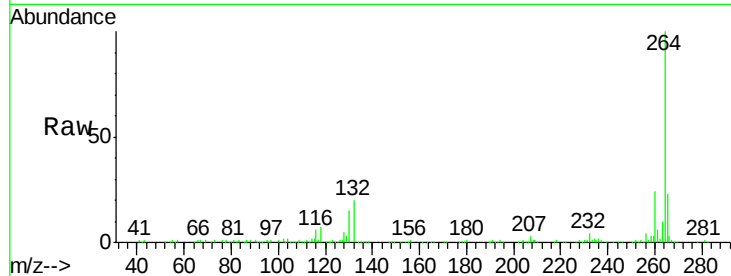




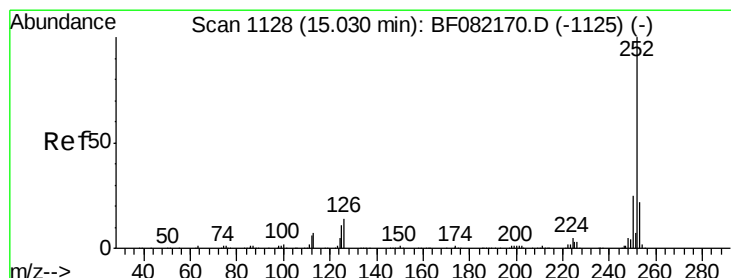
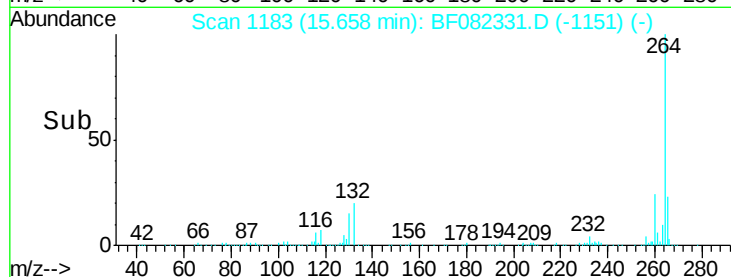
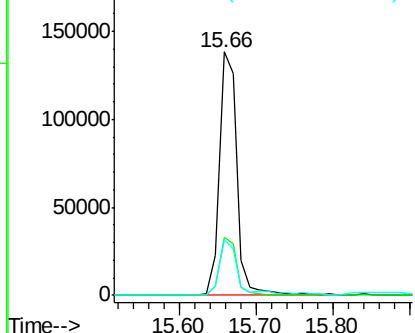
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.66 min Scan# 1183
Delta R.T. 0.07 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Instrument :
BNA_F
ClientSampleId :
TK1-4-20151015

Tot Ion:264 Resp: 222750
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 22.7 17.3 25.9

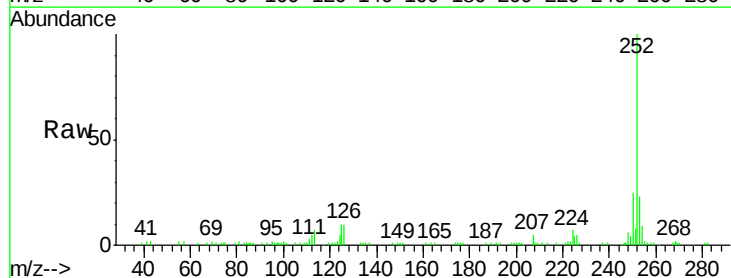


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

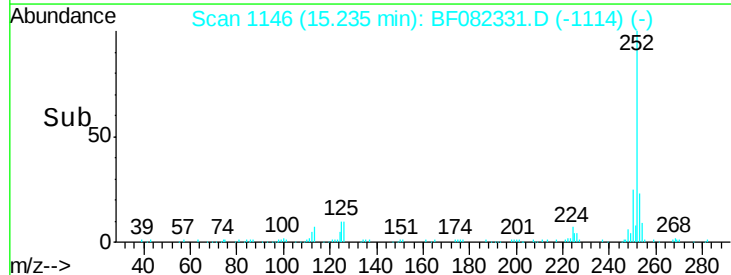
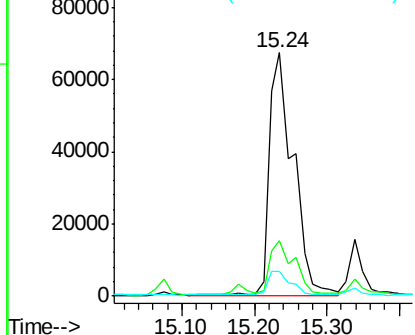


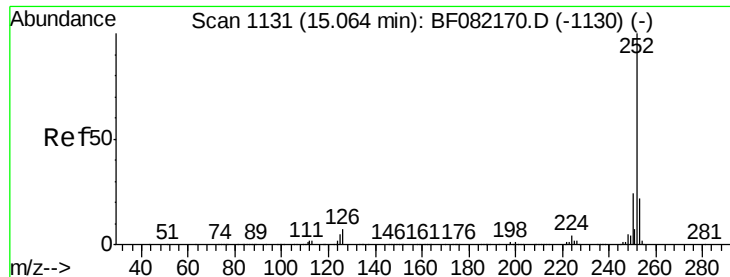
#87
Benzo(b)fluoranthene
Concen: 11.63 ng
RT: 15.24 min Scan# 1146
Delta R.T. 0.07 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Tgt Ion:252 Resp: 157605
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 10.3 8.6 12.8



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

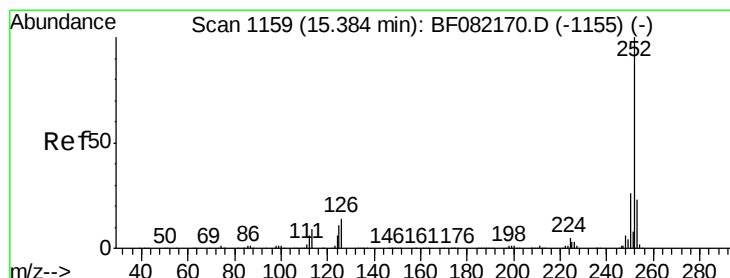
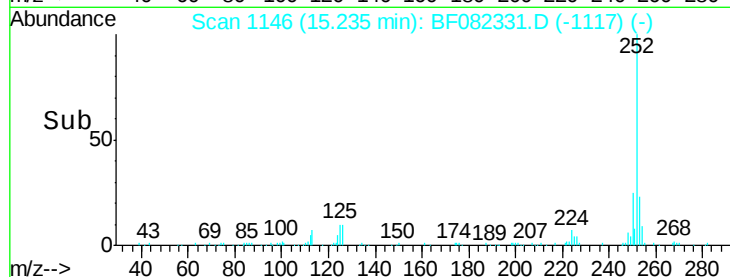
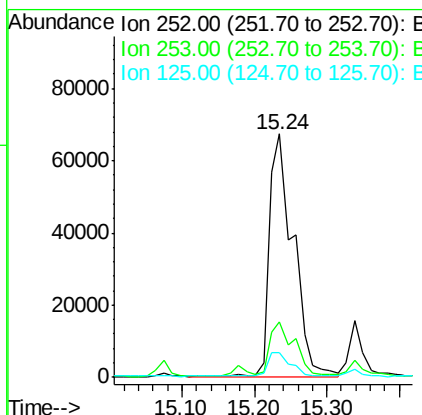
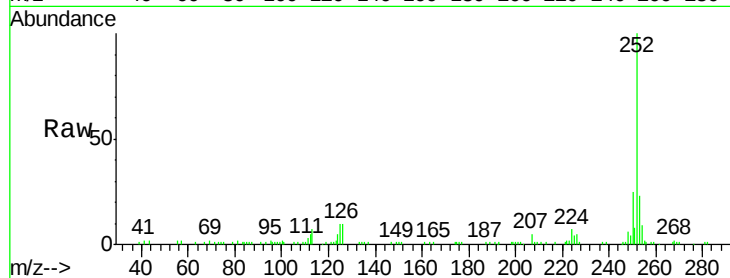




#88
Benzo(k)fluoranthene
Concen: 13.84 ng
RT: 15.24 min Scan# 1146
Delta R.T. 0.03 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

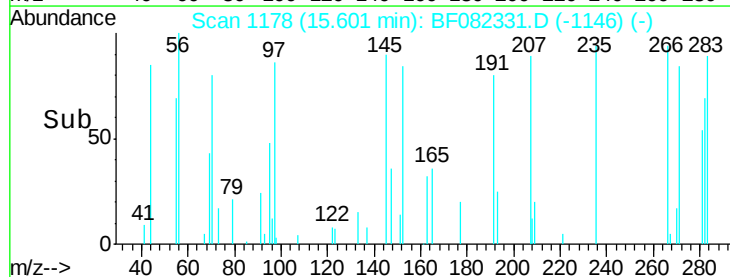
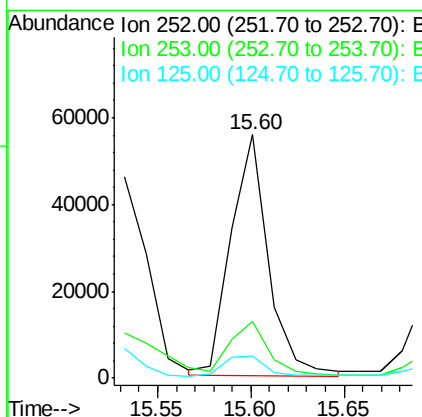
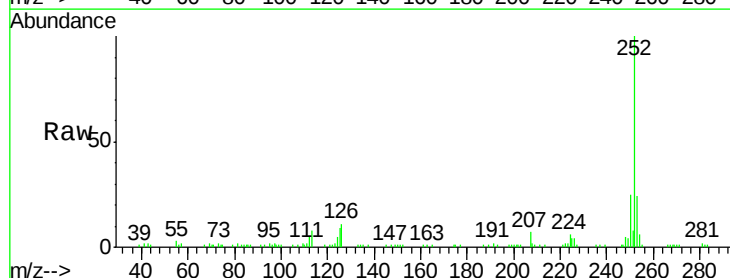
Instrument :
BNA_F
ClientSampleId :
TK1-4-20151015

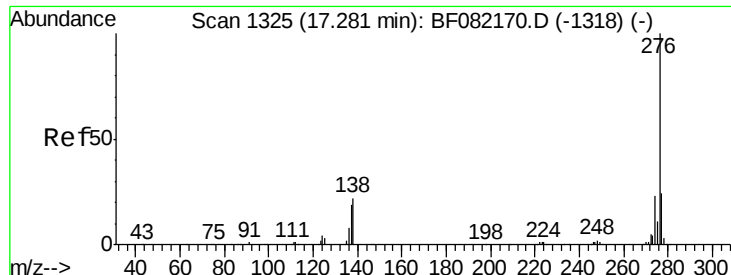
Tot Ion:252 Resp: 157605
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 10.3 6.7 10.1#



#89
Benzo(a)pyrene
Concen: 6.70 ng
RT: 15.60 min Scan# 1178
Delta R.T. 0.07 min
Lab File: BF082331.D
Acq: 16 Oct 2015 17:49

Tgt Ion:252 Resp: 78027
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 9.1 8.9 13.3





#91
 Benzo(a,h,i)perylene
 Concen: 6.74 ng
 RT: 17.58 min Scan# 1351
 Delta R.T. 0.11 min
 Lab File: BF082331.D
 Acq: 16 Oct 2015 17:49

Instrument :
 BNA_F
 ClientSampleId :
 TK1-4-20151015

Tot Ion: 276 Resp: 62510
 Ion Ratio Lower Upper
 276 100
 277 23.3 18.8 28.2
 138 19.5 17.4 26.2

