

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101915\
 Data File : BF082381.D
 Acq On : 20 Oct 2015 4:33
 Operator : UM/IZ
 Sample : G4051-01RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015RE

Quant Time: Oct 20 07:45:46 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

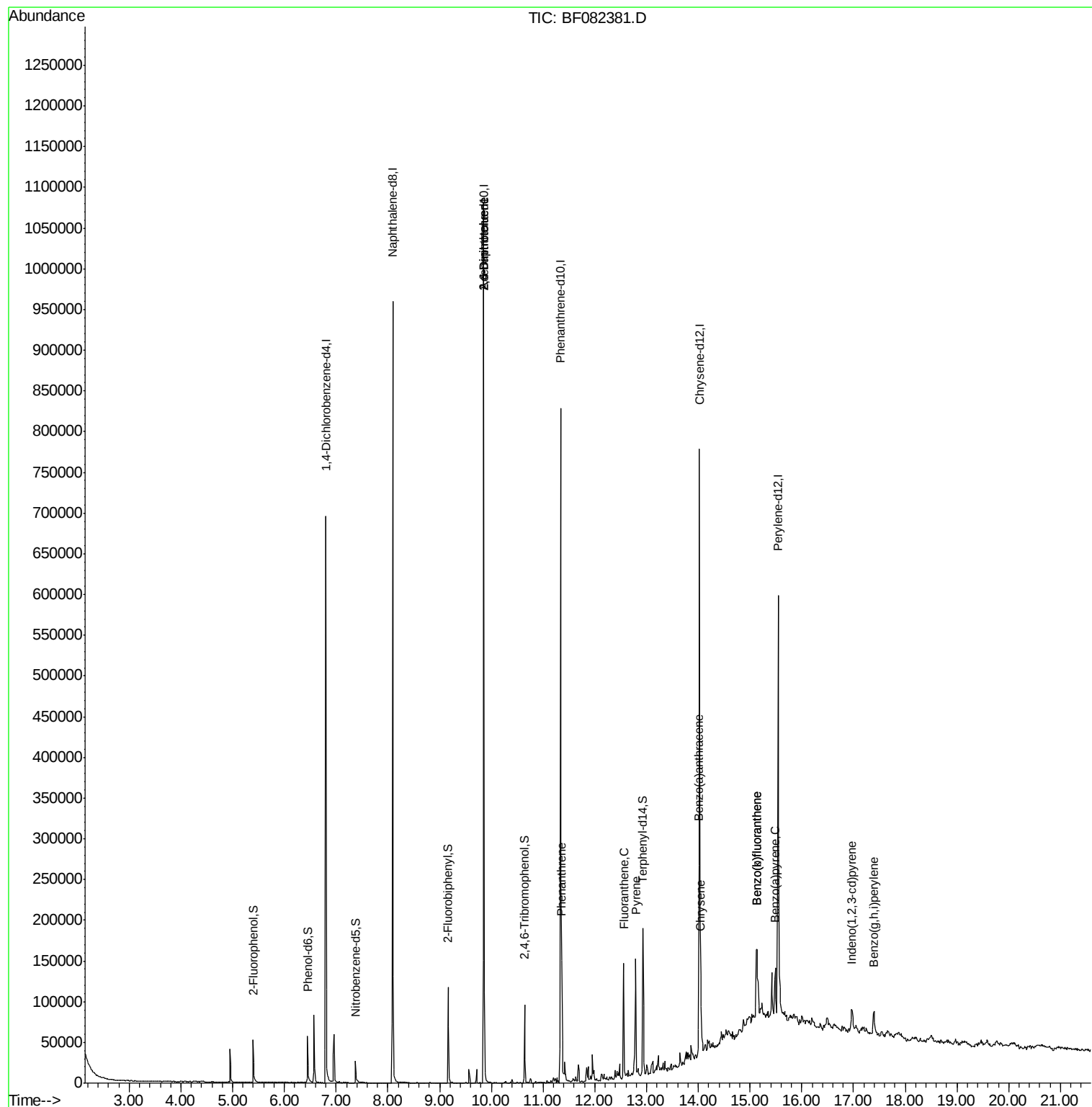
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111557	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	430070	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	214639	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	347432	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	268684	20.00	ng	0.01
86) Perylene-d12	15.54	264	245390	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	21710	3.93	ng	-0.03
7) Phenol-d6	6.45	99	32675	4.54	ng	-0.03
23) Nitrobenzene-d5	7.37	82	17171	2.68	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	12199	6.06	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	55763	4.31	ng	-0.04
78) Terphenyl-d14	12.93	244	68501	6.76	ng	-0.03
Target Compounds						
50) 2,6-Dinitrotoluene	9.85	165	26437	8.29	ng	# 32
55) 4-Nitrophenol	10.06	139	297	Below Cal		# 11
56) 2,4-Dinitrotoluene	9.85	165	26438	6.63	ng	# 23
70) Phenanthrene	11.36	178	53117	3.12	ng	99
74) Fluoranthene	12.56	202	91000	4.98	ng	97
77) Pyrene	12.79	202	82923	5.20	ng	97
80) Benzo(a)anthracene	14.01	228	45478	3.25	ng	96
82) Chrysene	14.05	228	35441	2.41	ng	99
85) Indeno(1,2,3-cd)pyrene	16.96	276	24456	2.09	ng	98
87) Benzo(b)fluoranthene	15.13	252	70116	4.70	ng	# 98
88) Benzo(k)fluoranthene	15.13	252	70116	5.59	ng	# 96
89) Benzo(a)pyrene	15.49	252	34262	2.67	ng	98
91) Benzo(g,h,i)perylene	17.40	276	22013	2.16	ng	96

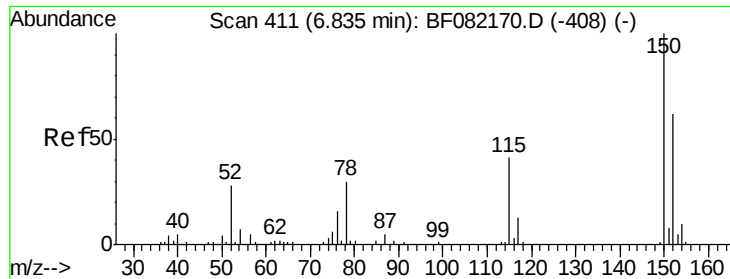
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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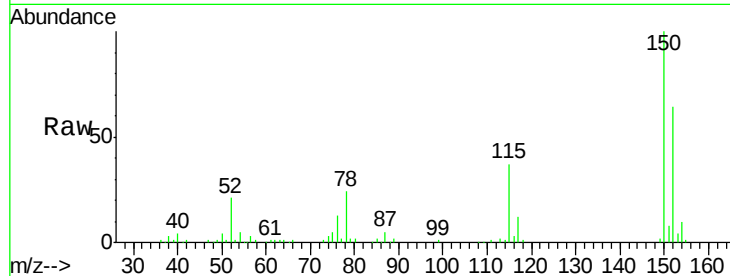




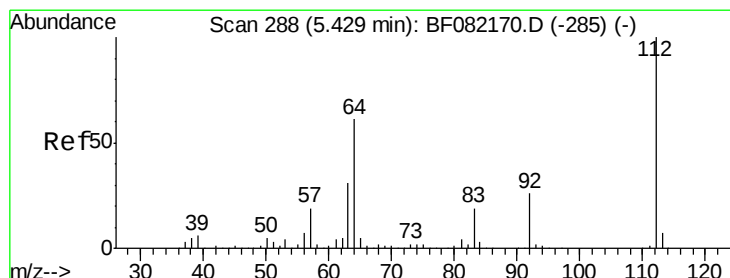
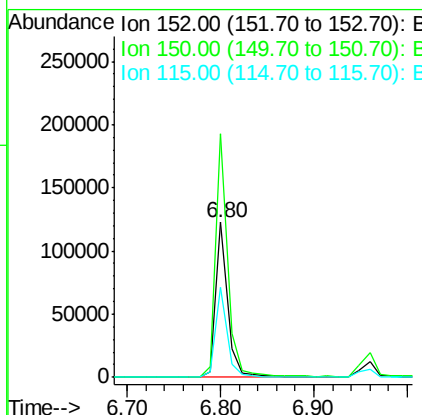
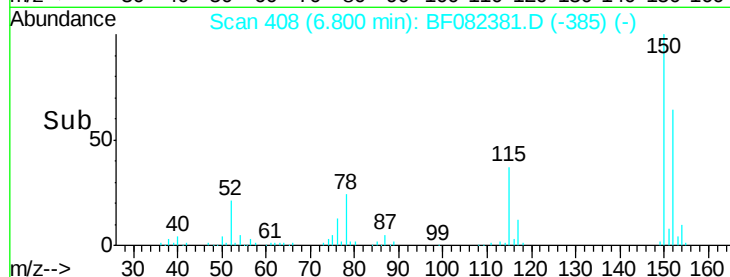
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 408
 Delta R.T. -0.03 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015RE

Tgt Ion:152 Resp: 111557
 Ion Ratio Lower Upper
 152 100
 150 156.9 129.0 193.4
 115 57.7 52.1 78.1

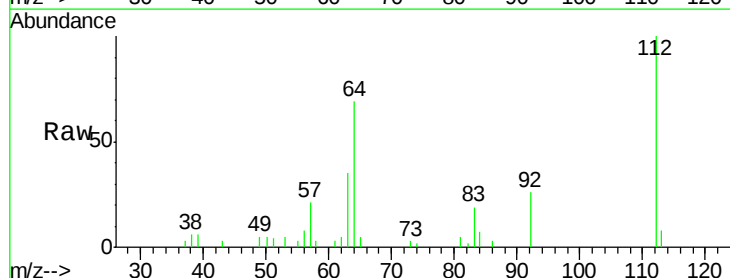


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

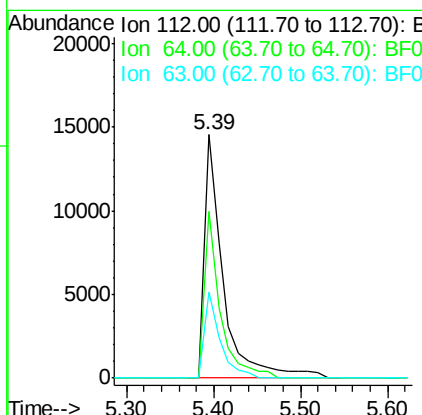
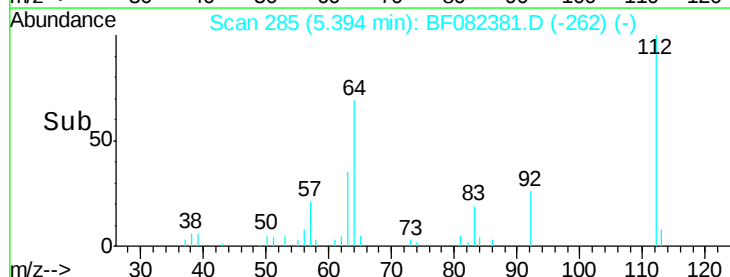


#5
 2-Fluorophenol
 Concen: 3.93 ng
 RT: 5.39 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Tgt Ion:112 Resp: 21710
 Ion Ratio Lower Upper
 112 100
 64 68.8 48.6 73.0
 63 35.4 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: 4.54 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.03 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015RE

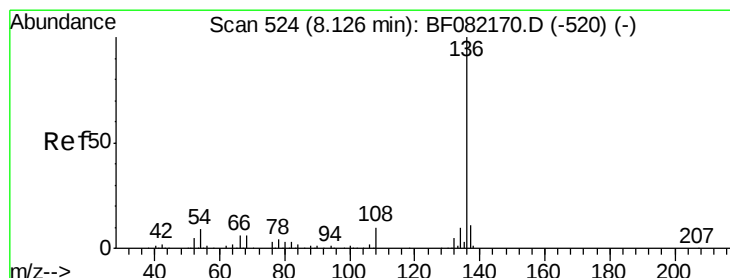
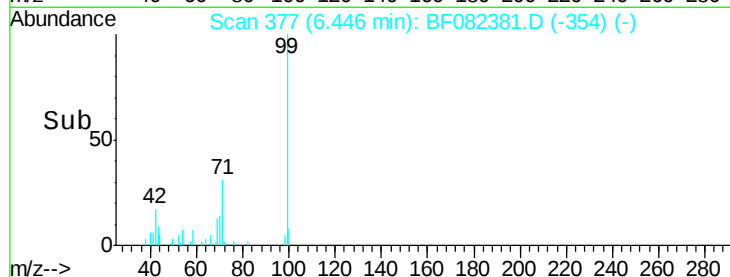
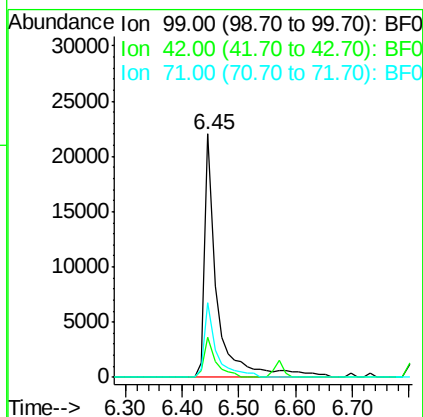
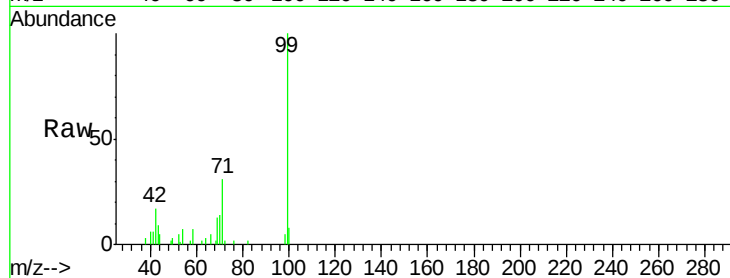
Tgt Ion: 99 Resp: 32675

Ion Ratio Lower Upper

99 100

42 16.5 13.2 19.8

71 30.9 25.6 38.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 521

Delta R.T. -0.03 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Tgt Ion: 136 Resp: 430070

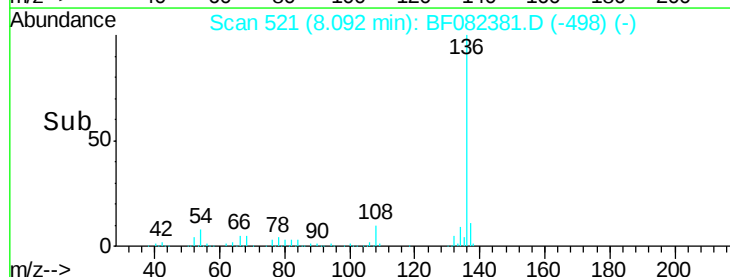
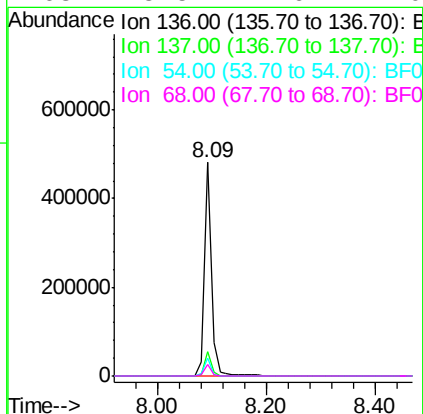
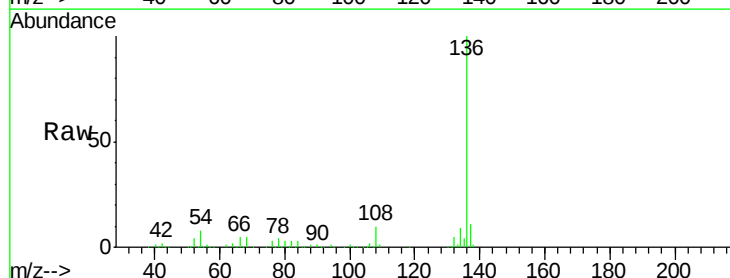
Ion Ratio Lower Upper

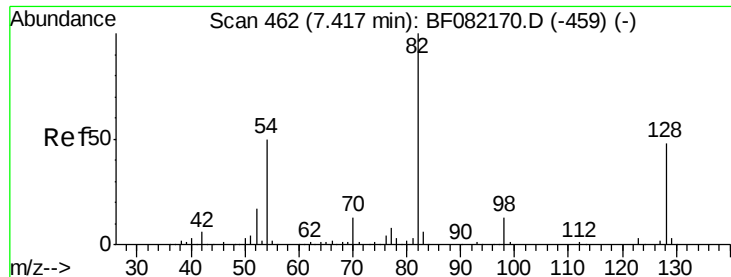
136 100

137 11.2 9.0 13.6

54 8.5 7.5 11.3

68 5.5 4.6 7.0

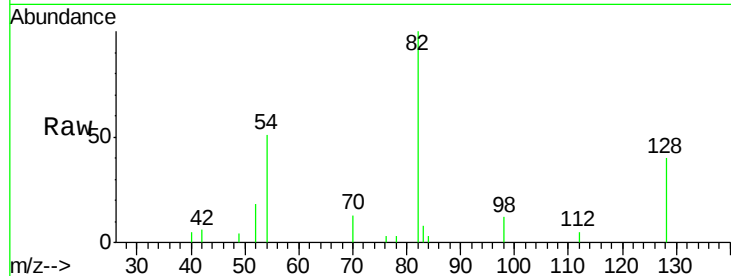




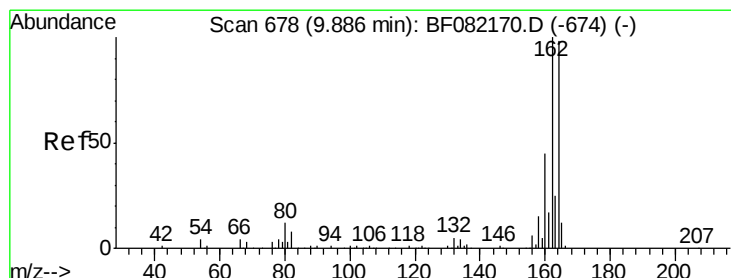
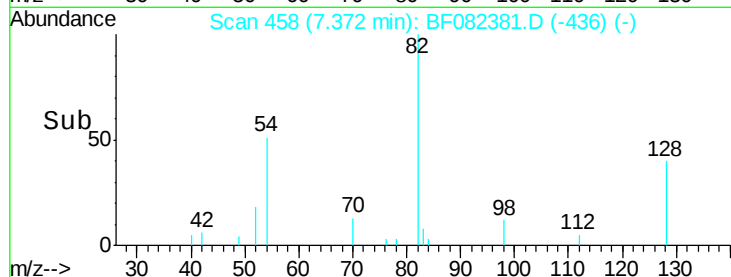
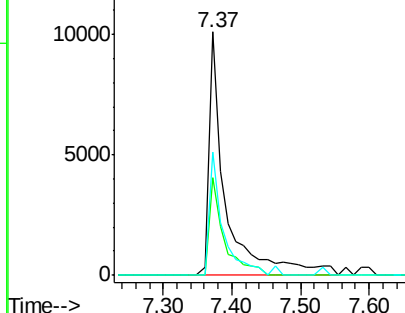
#23
 Nitrobenzene-d5
 Concen: 2.68 ng
 RT: 7.37 min Scan# 458
 Delta R.T. -0.05 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015RE

Tgt Ion: 82 Resp: 17171
 Ion Ratio Lower Upper
 82 100
 128 40.0 38.7 58.1
 54 50.6 40.1 60.1

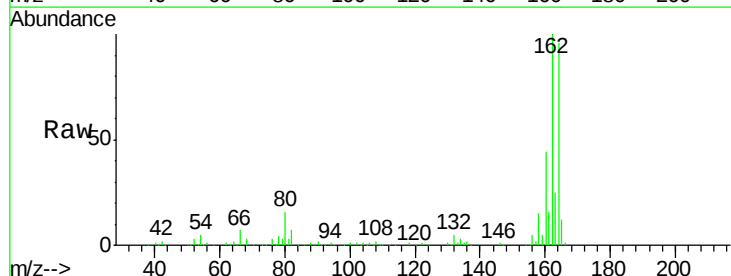


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

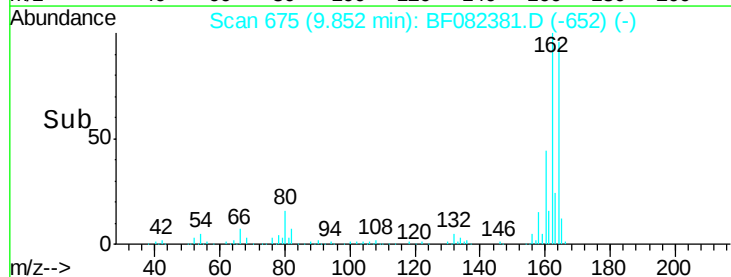
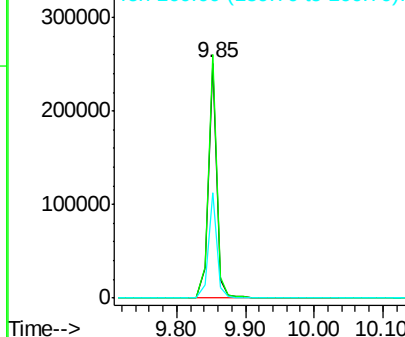


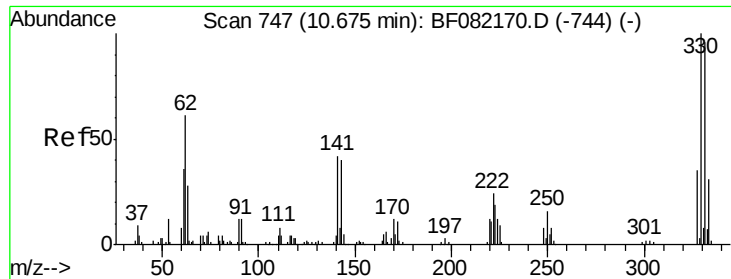
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.03 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Tgt Ion: 164 Resp: 214639
 Ion Ratio Lower Upper
 164 100
 162 103.6 81.6 122.4
 160 45.1 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

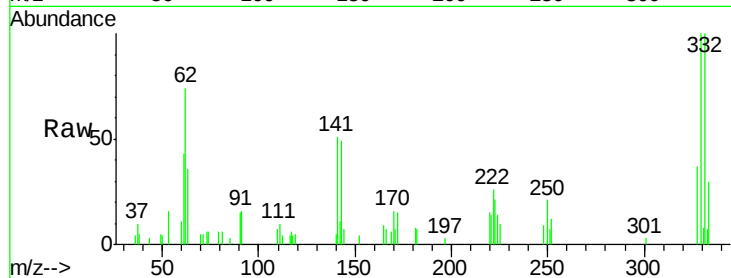




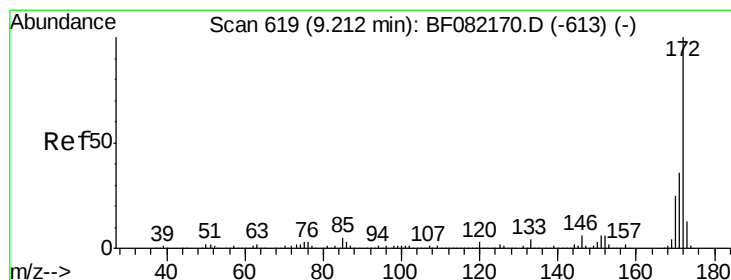
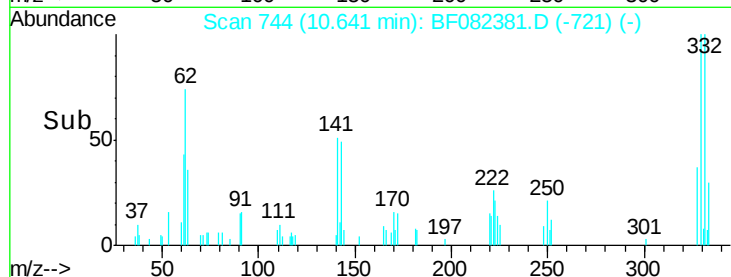
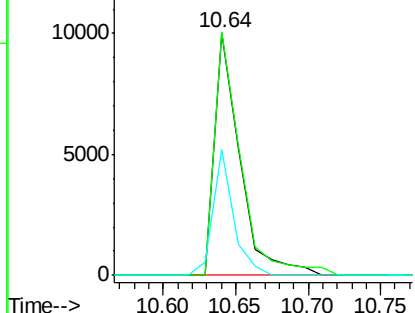
#41
 2,4,6-Tribromophenol
 Concen: 6.06 ng
 RT: 10.64 min Scan# 744
 Delta R.T. -0.03 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015RE

Tgt Ion	Resp	Lower	Upper
330	12199		
332	103.0	77.1	115.7
141	41.5	29.8	44.8

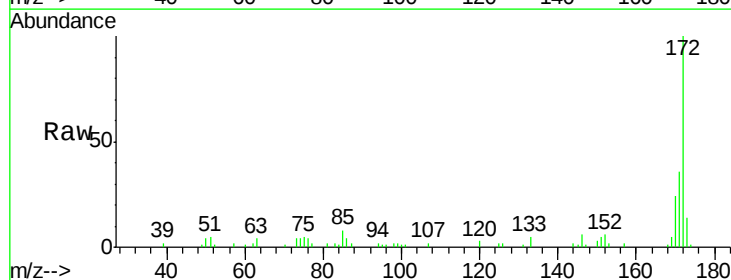


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

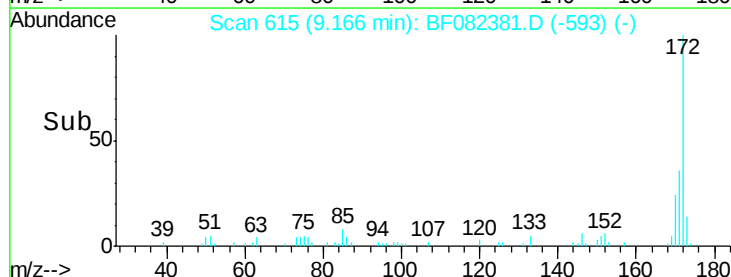
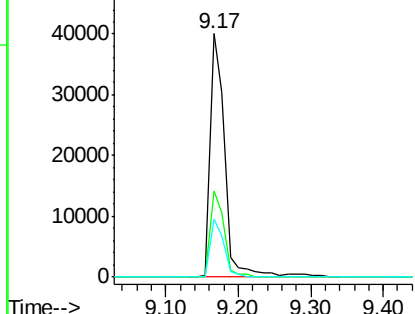


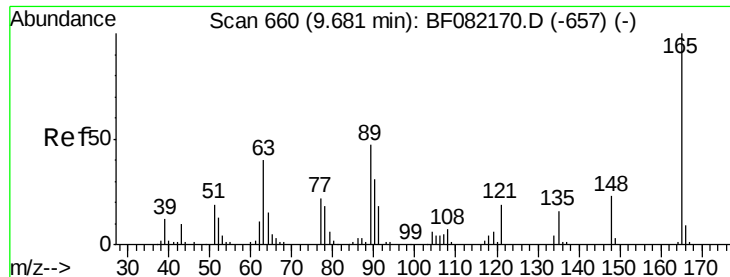
#44
 2-Fluorobiphenyl
 Concen: 4.31 ng
 RT: 9.17 min Scan# 615
 Delta R.T. -0.04 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Tgt Ion	Resp	Lower	Upper
172	55763		
171	35.6	28.6	42.8
170	23.9	19.7	29.5



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

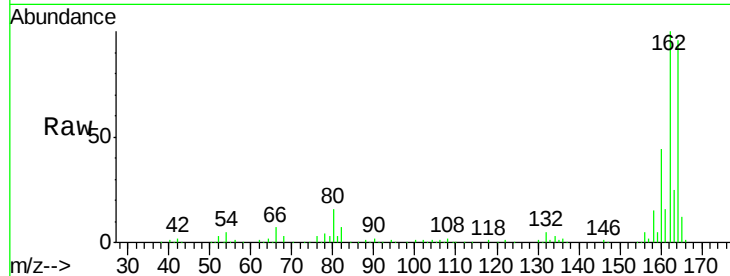




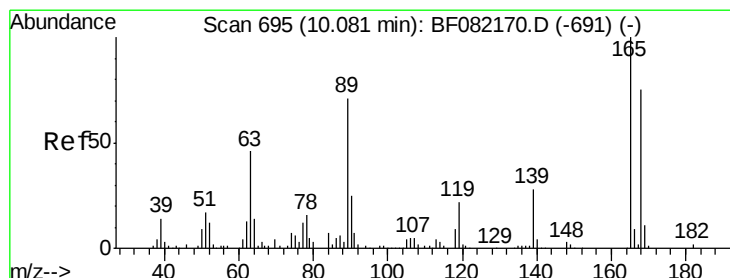
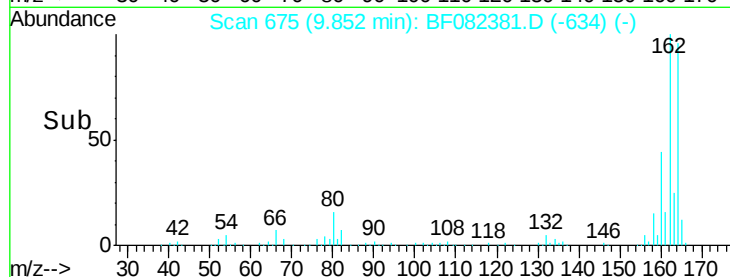
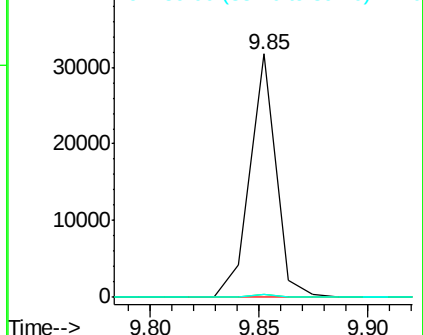
#50
 2,6-Dinitrotoluene
 Concen: 8.29 ng
 RT: 9.85 min Scan# 675
 Delta R.T. 0.17 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Instrument :
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 ClientSampleId :
 TK1-1-20151015RE

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.7	55.1#
89	1.3	37.8	56.6#



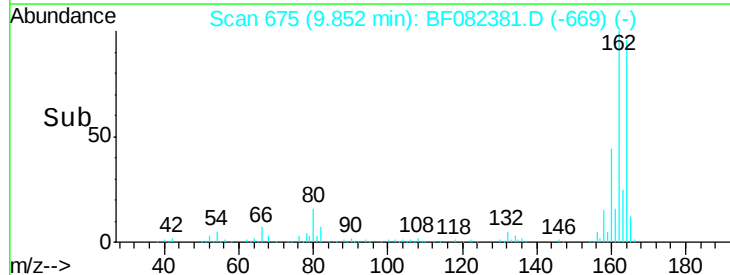
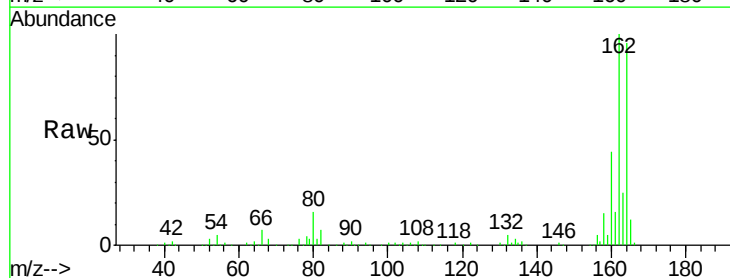
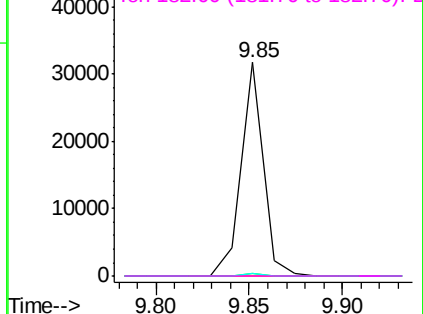
Abundance Ion 165.00 (164.70 to 165.70): E

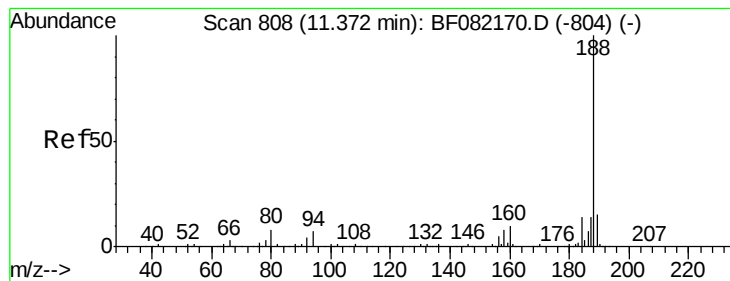


#56
 2,4-Dinitrotoluene
 Concen: 6.63 ng
 RT: 9.85 min Scan# 675
 Delta R.T. -0.23 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	38.6	58.0#
89	1.3	57.0	85.6#
182	0.0	1.8	2.6#

Abundance Ion 165.00 (164.70 to 165.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015RE

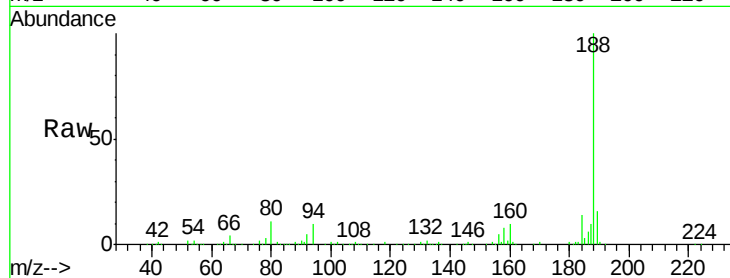
Tgt Ion:188 Resp: 347432

Ion Ratio Lower Upper

188 100

94 9.7 5.8 8.6#

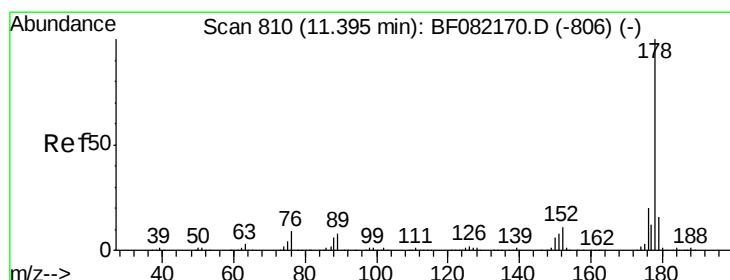
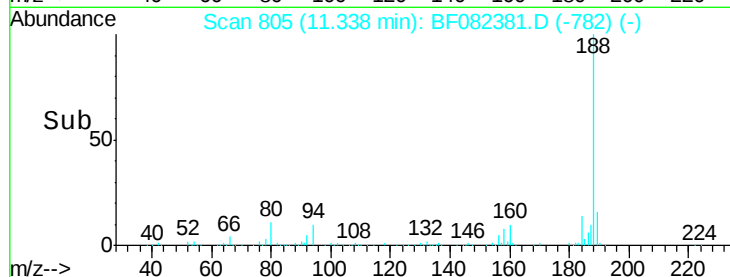
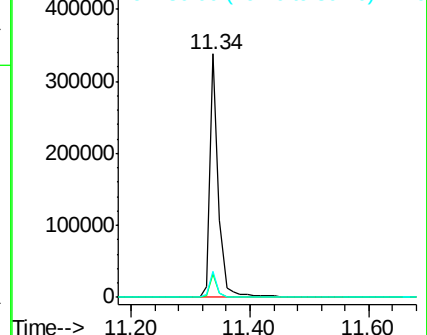
80 10.6 6.4 9.6#



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: 3.12 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.03 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

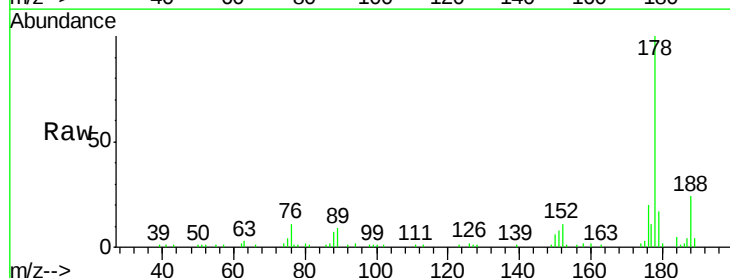
Tgt Ion:178 Resp: 53117

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

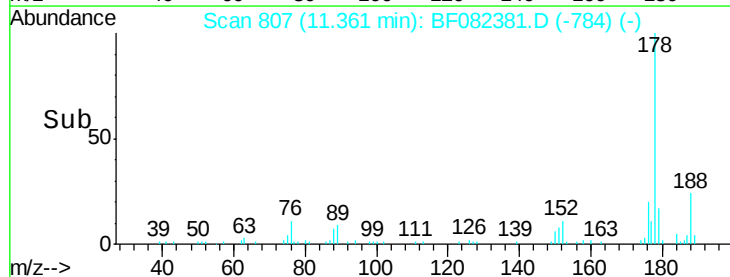
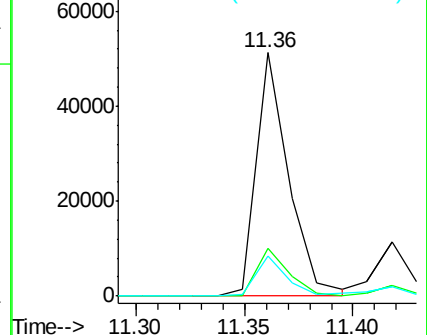
179 16.7 12.6 19.0

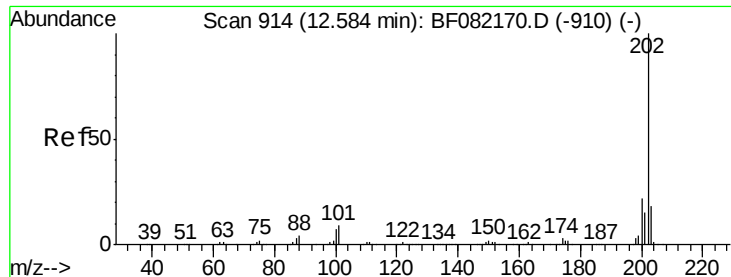


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.98 ng

RT: 12.56 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015RE

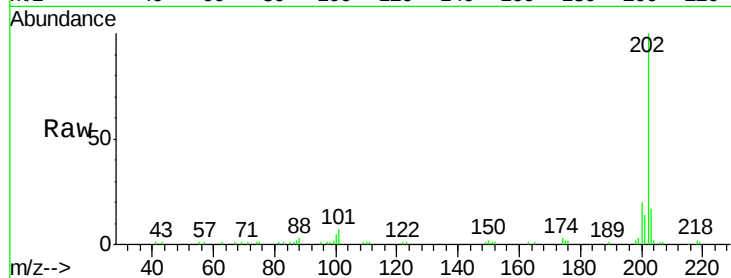
Tgt Ion:202 Resp: 91000

Ion Ratio Lower Upper

202 100

101 6.6 0.0 29.3

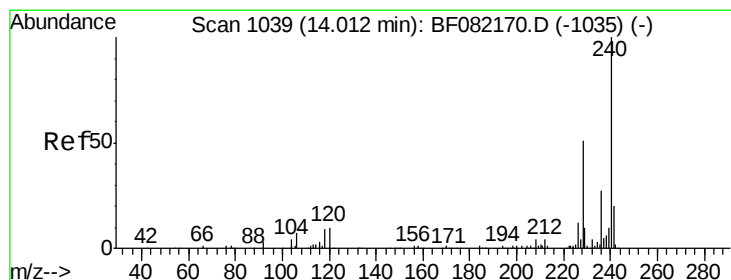
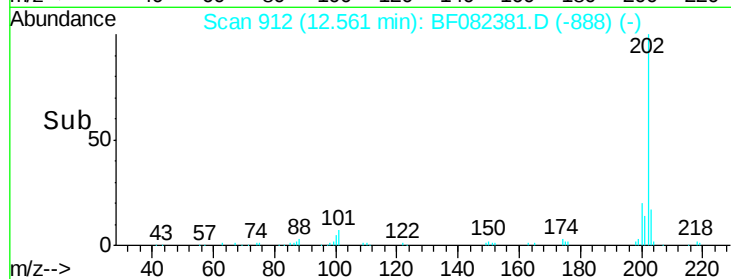
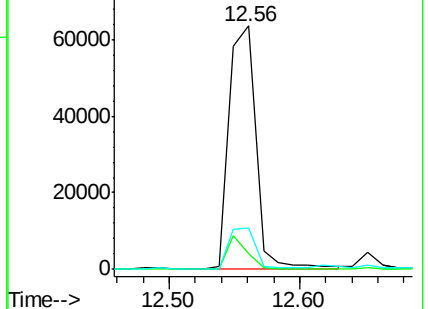
203 17.3 0.0 37.8



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: 14.02 min Scan# 1040

Delta R.T. 0.01 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

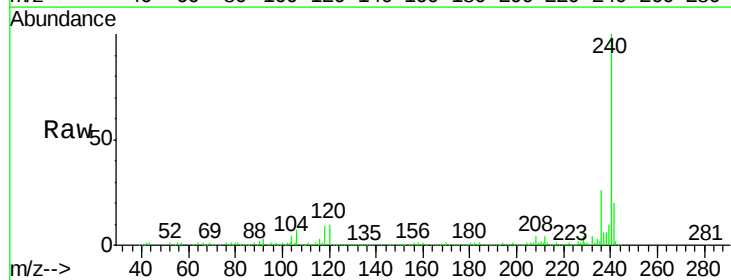
Tgt Ion:240 Resp: 268684

Ion Ratio Lower Upper

240 100

120 10.4 8.1 12.1

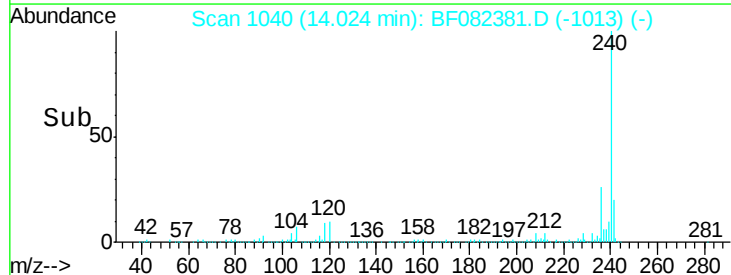
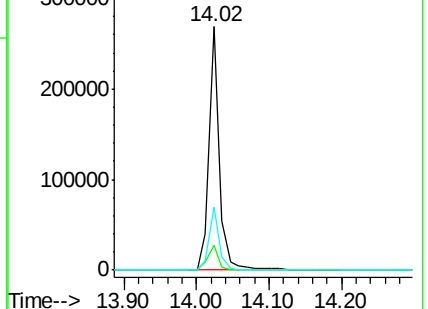
236 25.7 21.3 31.9

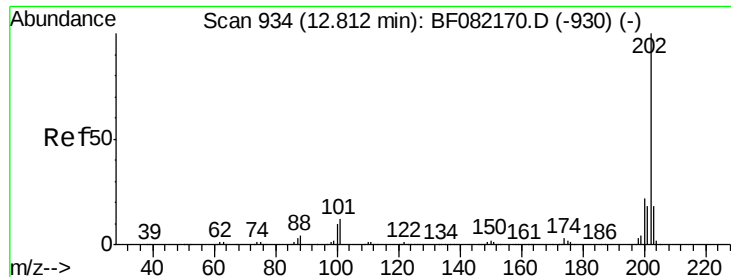


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.20 ng

RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015RE

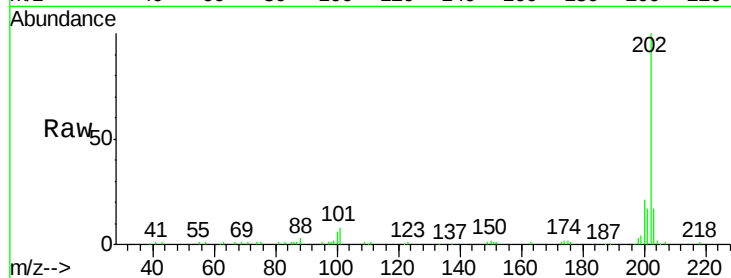
Tgt Ion: 202 Resp: 82923

Ion Ratio Lower Upper

202 100

200 20.7 17.9 26.9

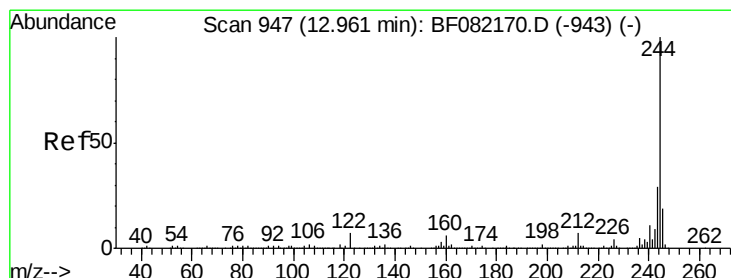
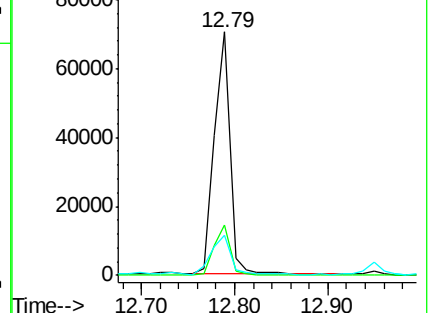
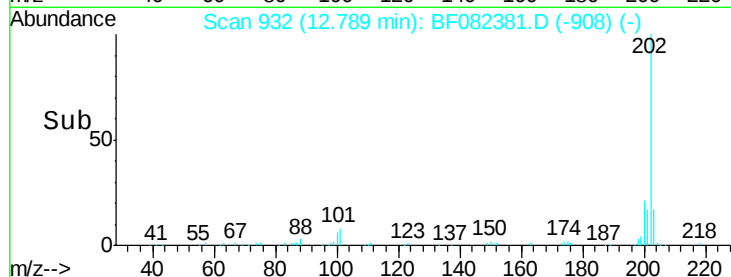
203 16.6 14.5 21.7



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: 6.76 ng

RT: 12.93 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

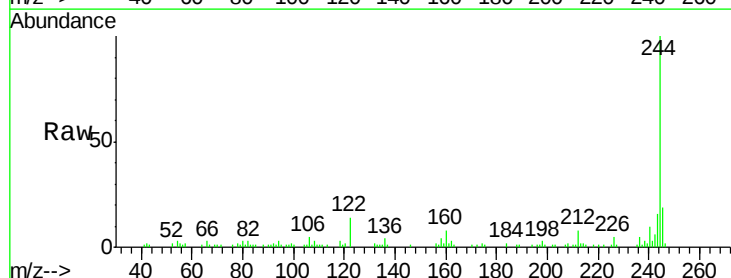
Tgt Ion: 244 Resp: 68501

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.6

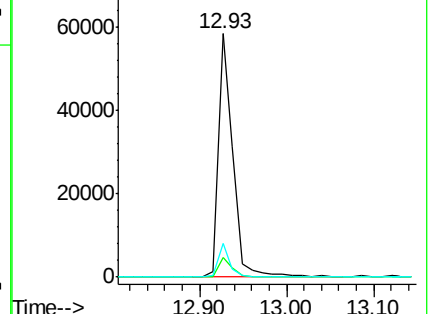
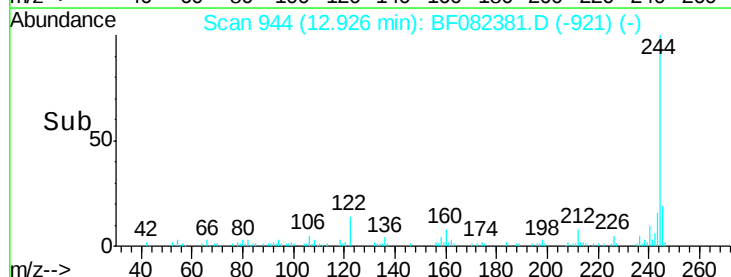
122 13.7 5.9 8.9#

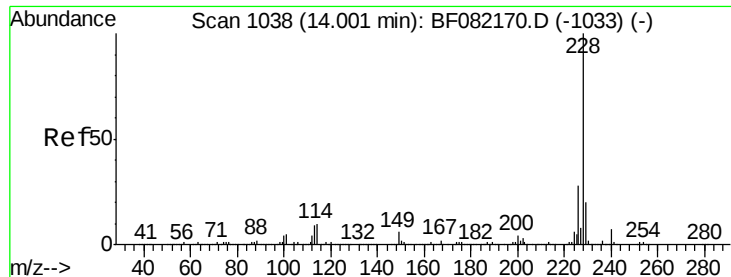


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.25 ng

RT: 14.01 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015RE

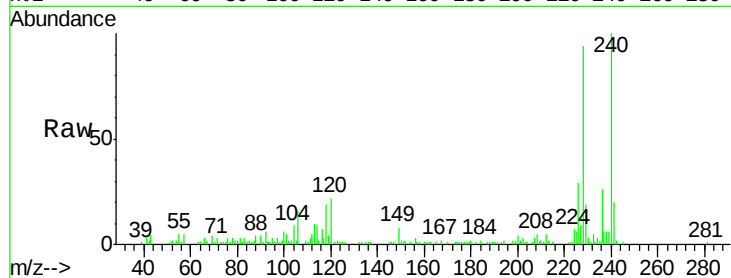
Tgt Ion: 228 Resp: 45478

Ion Ratio Lower Upper

228 100

226 31.4 22.3 33.5

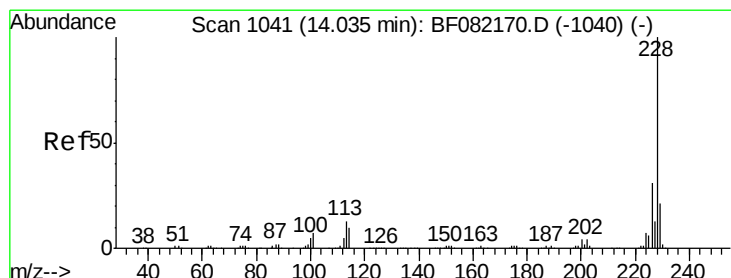
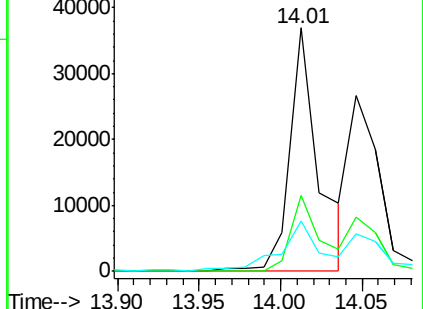
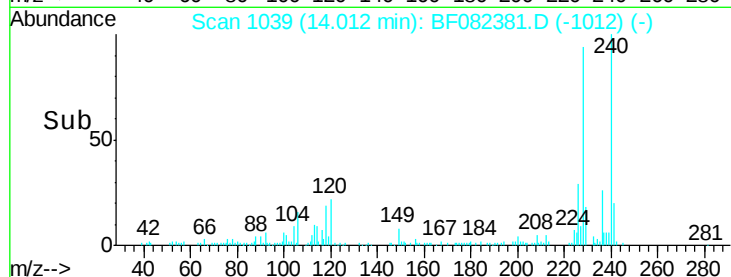
229 20.4 16.2 24.2



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



#82

Chrysene

Concen: 2.41 ng

RT: 14.05 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

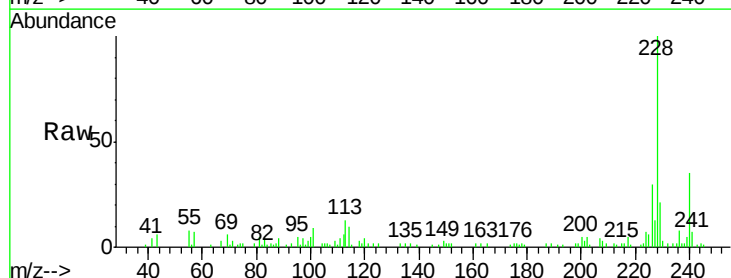
Tgt Ion: 228 Resp: 35441

Ion Ratio Lower Upper

228 100

226 30.4 24.4 36.6

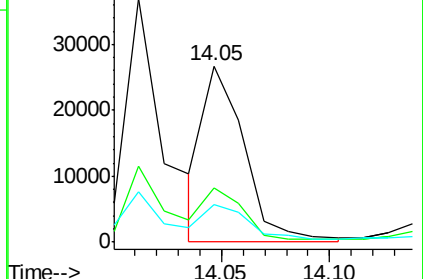
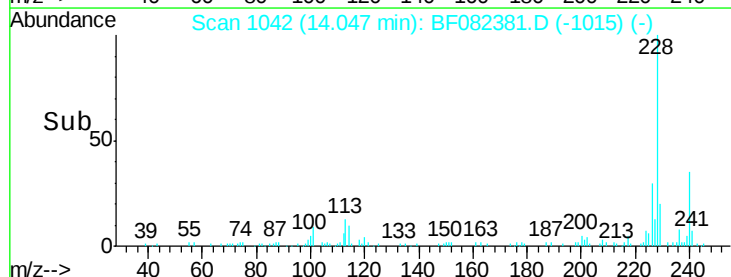
229 21.2 16.3 24.5

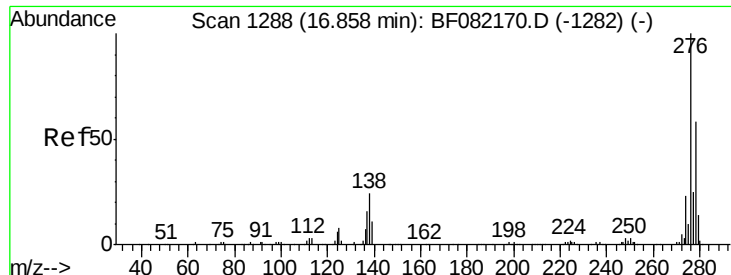


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

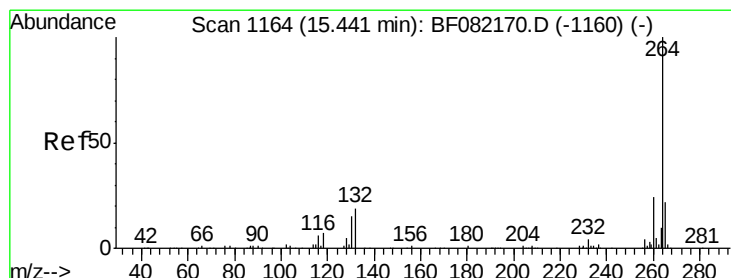
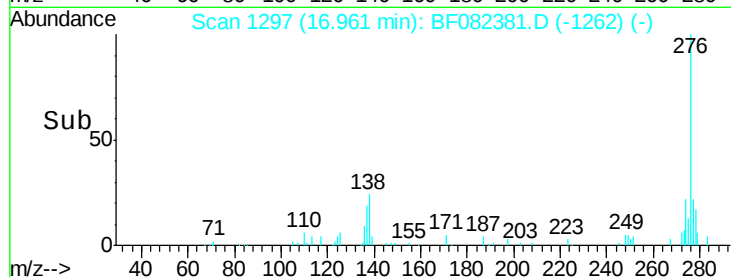
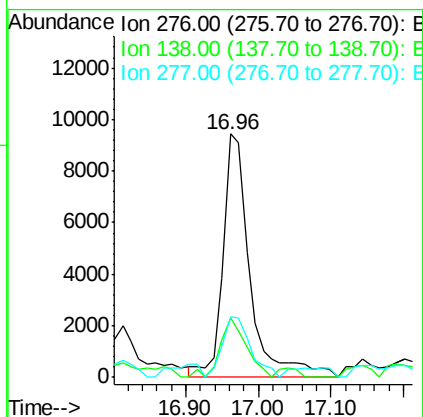
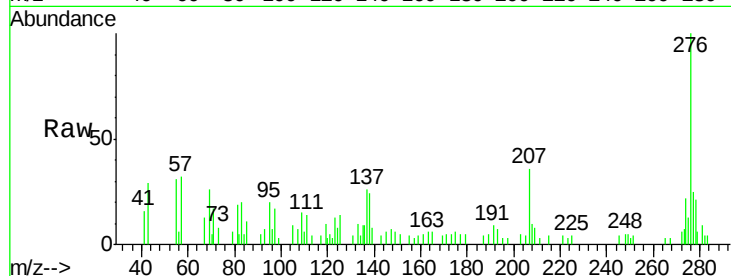




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.09 ng
 RT: 16.96 min Scan# 1297
 Delta R.T. 0.10 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

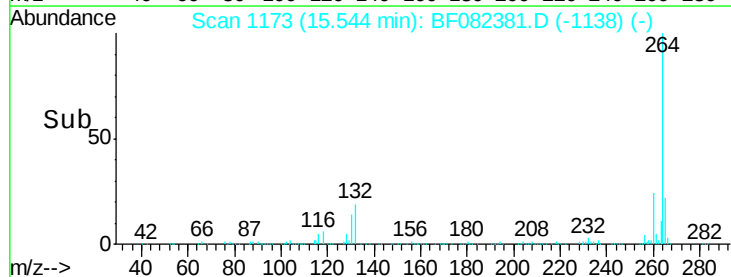
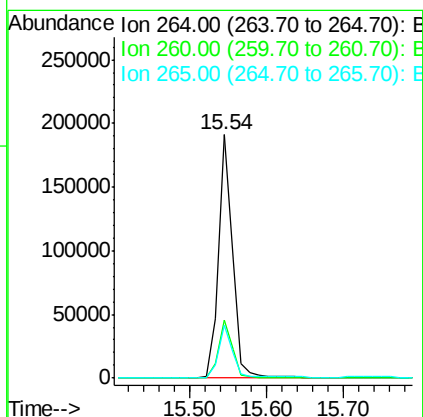
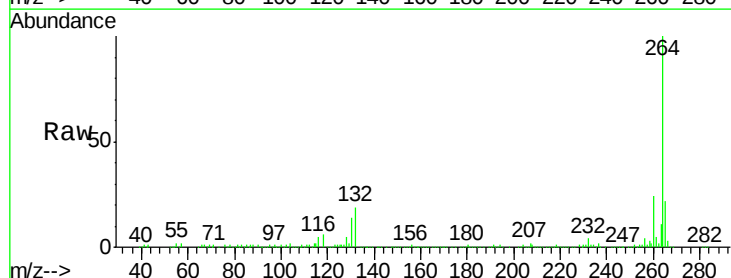
Instrument :
 BNA_F
 ClientSampleId :
 TK1-1-20151015RE

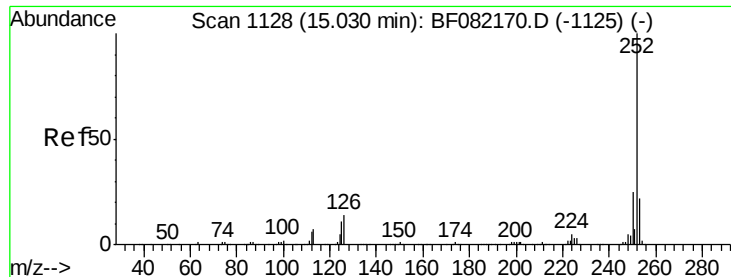
Tgt Ion: 276 Resp: 24456
 Ion Ratio Lower Upper
 276 100
 138 23.5 19.7 29.5
 277 25.8 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 1173
 Delta R.T. 0.10 min
 Lab File: BF082381.D
 Acq: 20 Oct 2015 4:33

Tgt Ion: 264 Resp: 245390
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 21.7 17.3 25.9

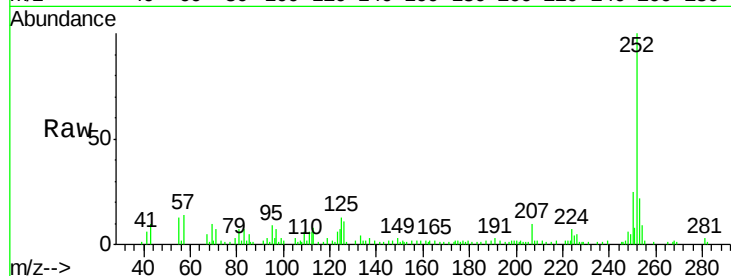




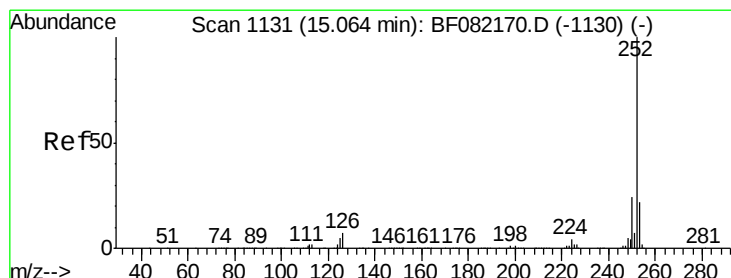
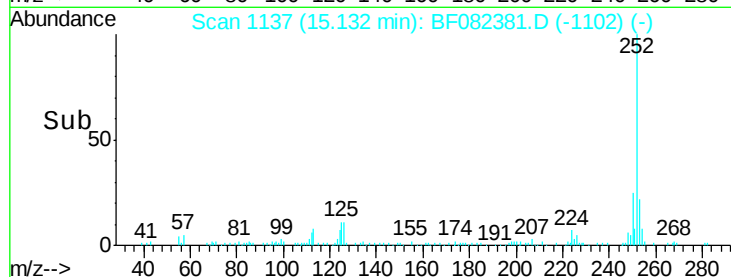
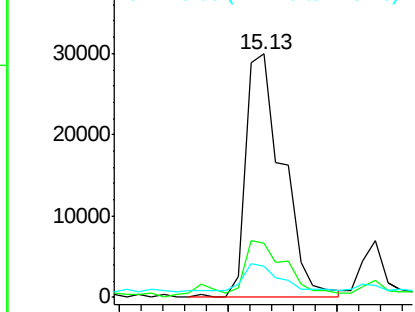
#87
Benzo(b)fluoranthene
Concen: 4.70 ng
RT: 15.13 min Scan# 1137
Delta R.T. 0.10 min
Lab File: BF082381.D
Acq: 20 Oct 2015 4:33

Instrument :
BNA_F
ClientSampleId :
TK1-1-20151015RE

Tgt Ion:252 Resp: 70116
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 12.9 8.6 12.8#

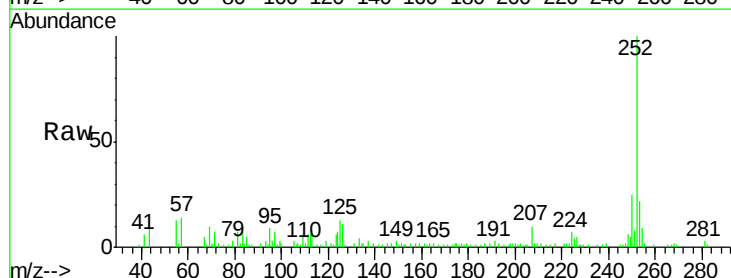


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

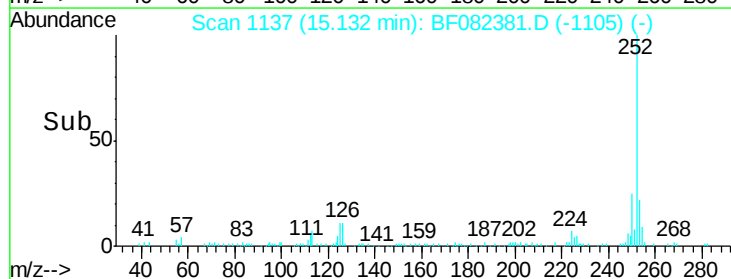
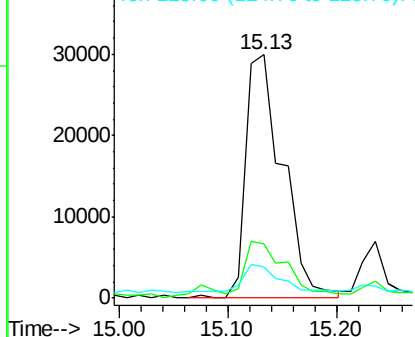


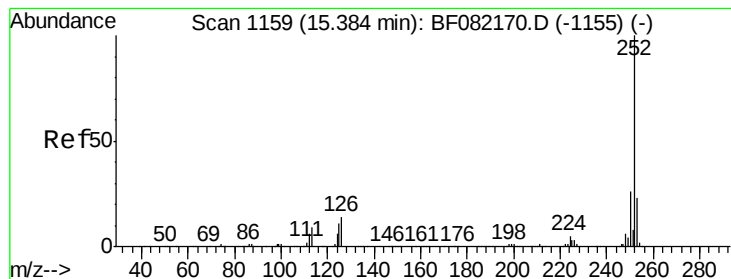
#88
Benzo(k)fluoranthene
Concen: 5.59 ng
RT: 15.13 min Scan# 1137
Delta R.T. 0.07 min
Lab File: BF082381.D
Acq: 20 Oct 2015 4:33

Tgt Ion:252 Resp: 70116
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 12.9 6.7 10.1#



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: 2.67 ng

RT: 15.49 min Scan# 1168

Delta R.T. 0.10 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

Instrument :

BNA_F

ClientSampleId :

TK1-1-20151015RE

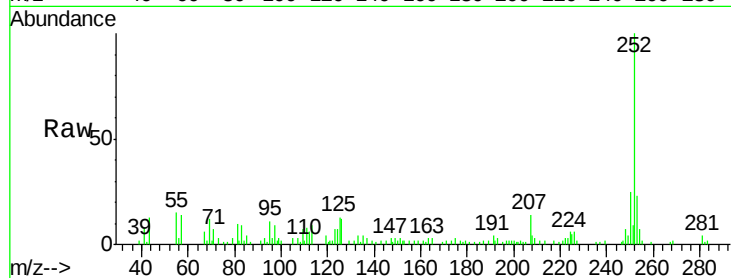
Tgt Ion:252 Resp: 34262

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

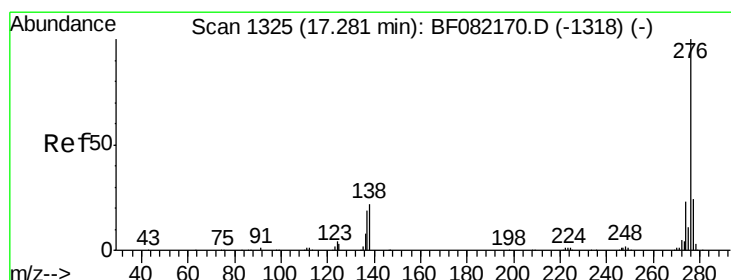
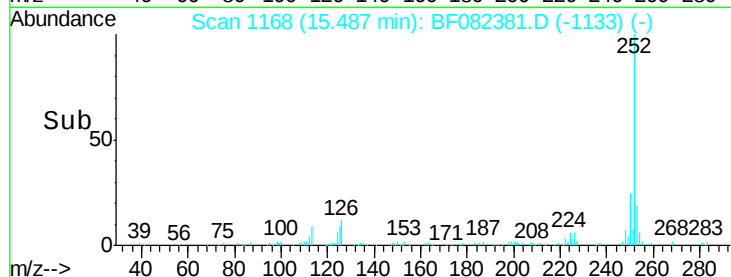
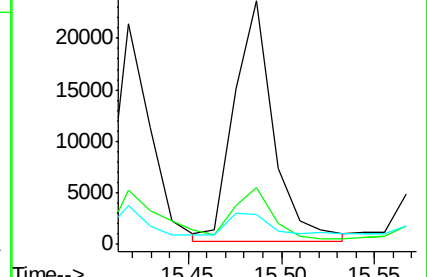
125 12.5 8.9 13.3



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



#91

Benzo(g,h,i)perylene

Concen: 2.16 ng

RT: 17.40 min Scan# 1335

Delta R.T. 0.11 min

Lab File: BF082381.D

Acq: 20 Oct 2015 4:33

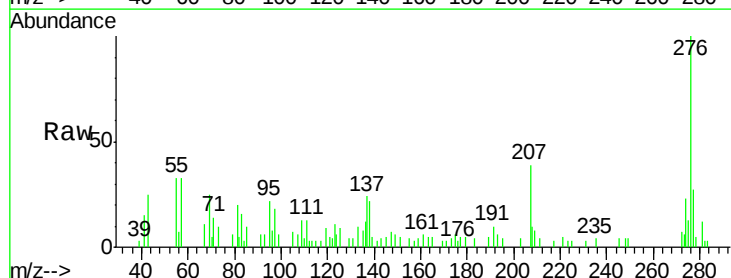
Tgt Ion:276 Resp: 22013

Ion Ratio Lower Upper

276 100

277 27.4 18.8 28.2

138 21.9 17.4 26.2



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

