

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086940.D
 Acq On : 12 May 2016 19:53
 Operator : UM/SJ
 Sample : H2957-02RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP31-5FT

Quant Time: May 13 00:50:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.69
21) Naphthalene-d8	7.91	136	597749	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	275725	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	419941	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	287907	20.00	ng	-0.08
86) Perylene-d12	15.12	264	312401	20.00	ng	-0.09

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	875370	0.00	ng	-0.08
7) Phenol-d6	6.28	99	1121906	0.00	ng	-0.08
23) Nitrobenzene-d5	7.20	82	801702	67.35	ng	-0.07
41) 2,4,6-Tribromophenol	10.44	330	224754	77.00	ng	-0.08
44) 2-Fluorobiphenyl	8.99	172	1071611	65.32	ng	-0.07
78) Terphenyl-d14	12.72	244	642499	47.35	ng	-0.08

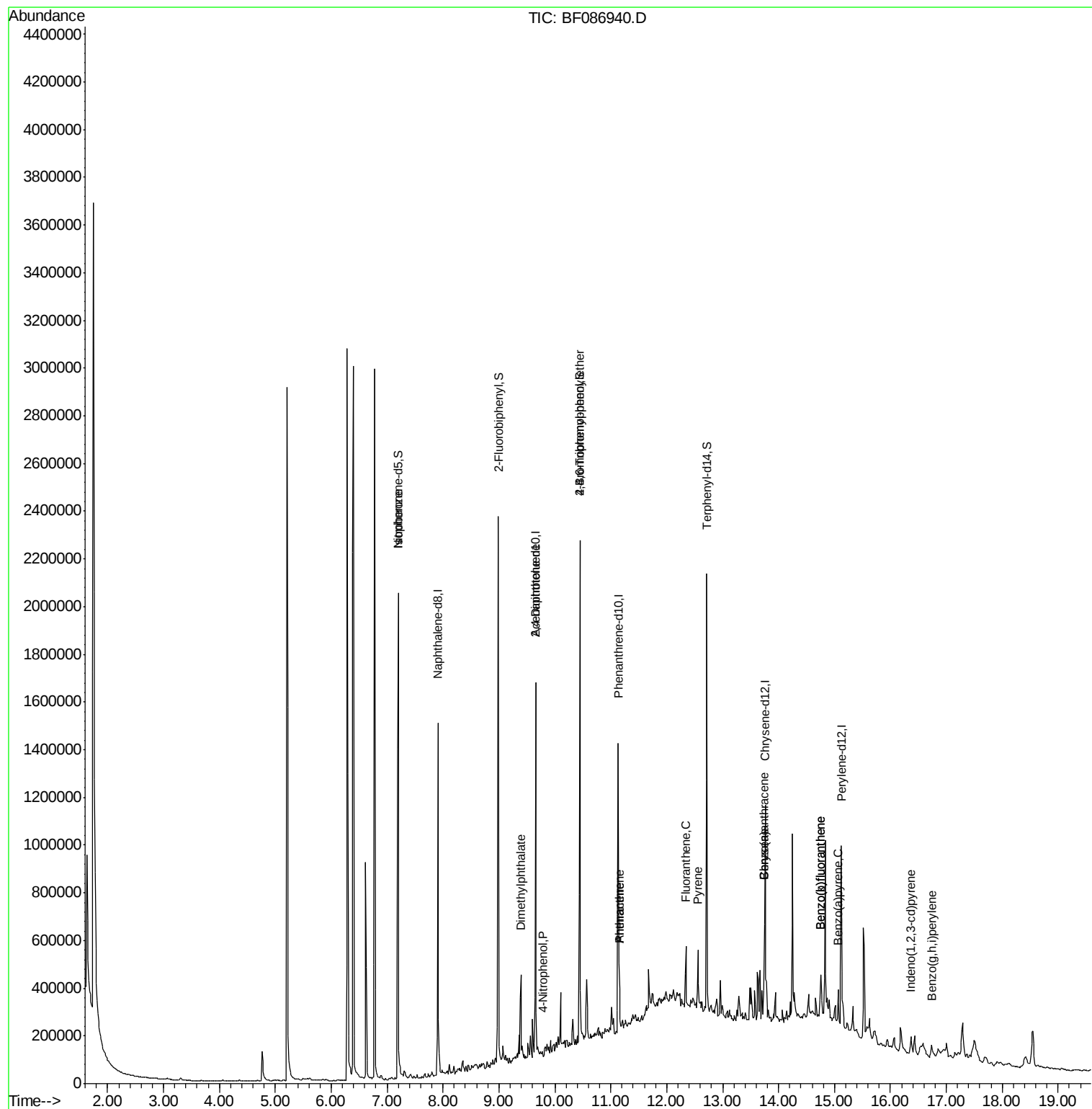
Target Compounds						Qvalue
25) Isophorone	7.20	82	768204	34.78	ng	# 68
49) Dimethylphthalate	9.39	163	155632	7.40	ng	99
55) 4-Nitrophenol	9.79	139	534	4.72	ng	# 1
56) 2,4-Dinitrotoluene	9.66	165	36717	6.70	ng	# 16
60) 4-Chlorophenyl-phenylether	10.02	204	800	Below Cal		# 60
66) 4-Bromophenyl-phenylether	10.44	248	14094	3.31	ng	# 1
70) Phenanthrene	11.15	178	53402	2.38	ng	96
71) Anthracene	11.15	178	53402	2.33	ng	97
74) Fluoranthene	12.34	202	122099	5.30	ng	92
77) Pyrene	12.56	202	114523	5.20	ng	98
80) Benzo(a)anthracene	13.75	228	67936	4.20	ng	# 90
82) Chrysene	13.75	228	67936	4.13	ng	92
85) Indeno(1,2,3-cd)pyrene	16.37	276	41357	3.02	ng	94
87) Benzo(b)fluoranthene	14.75	252	113167	5.57	ng	98
88) Benzo(k)fluoranthene	14.75	252	113167	6.81	ng	# 96
89) Benzo(a)pyrene	15.06	252	62102	3.55	ng	# 90
91) Benzo(g,h,i)perylene	16.74	276	37200	2.48	ng	# 94

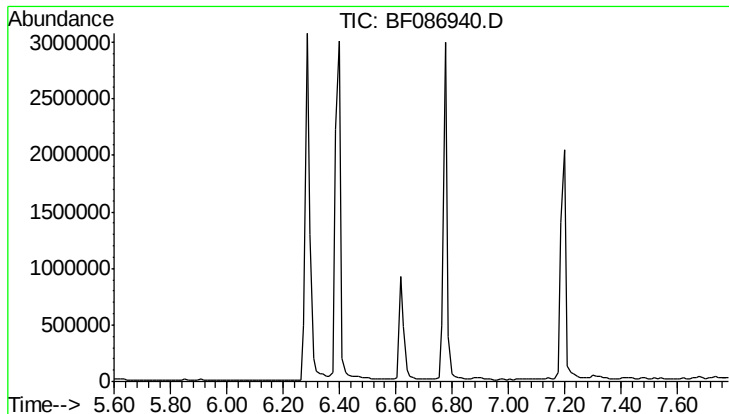
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 6.69 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

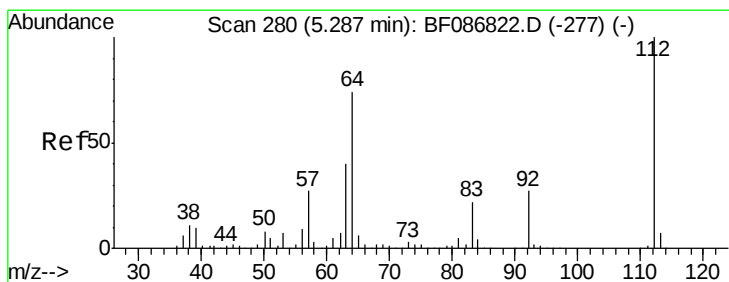
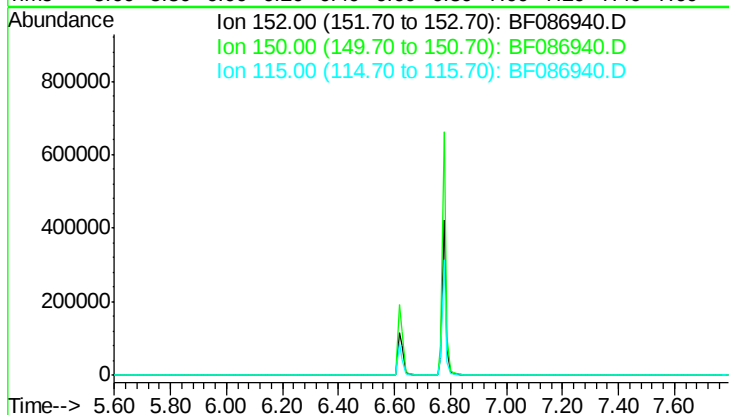
Tgt Ion: 152

Sig Exp Ratio

152 100

150 157.2

115 64.4



#5

2-Fluorophenol

Concen: 0.00 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

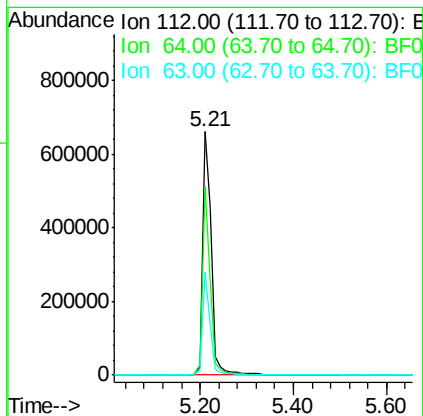
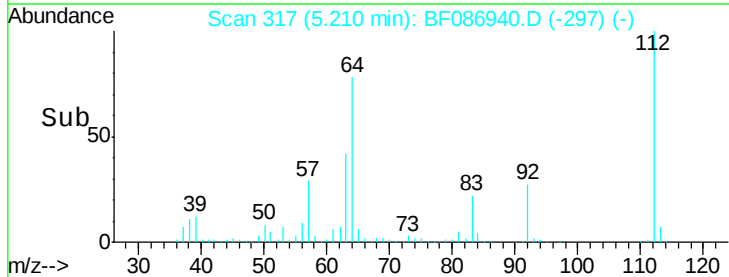
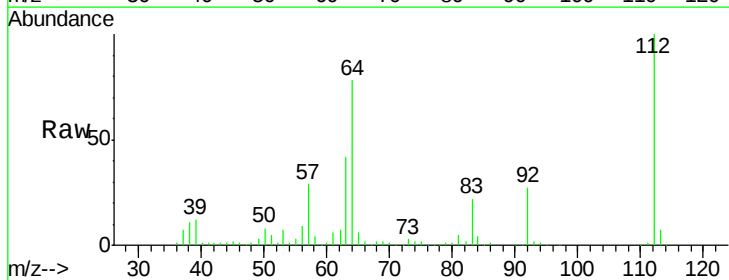
Tgt Ion: 112 Resp: 875370

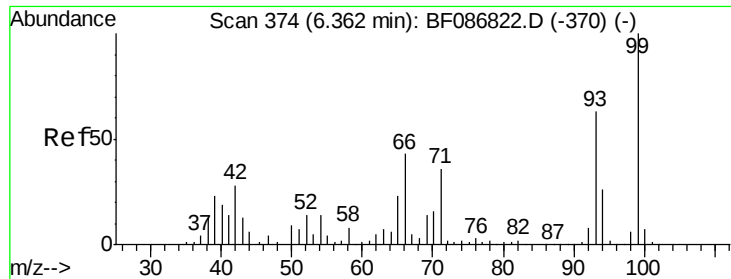
Ion Ratio Lower Upper

112 100

64 77.6 52.1 78.1

63 42.4 25.7 38.5#





#7

Phenol-d6

Concen: 0.00 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

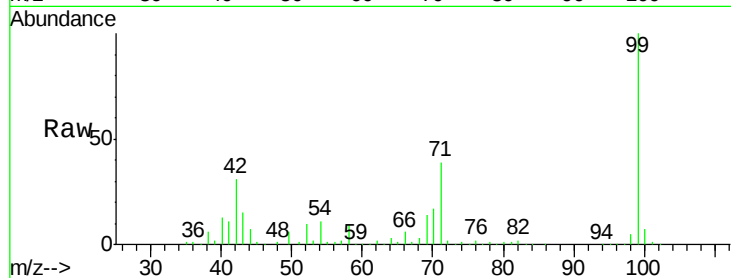
Tgt Ion: 99 Resp: 1121906

Ion Ratio Lower Upper

99 100

42 31.4 13.6 20.4#

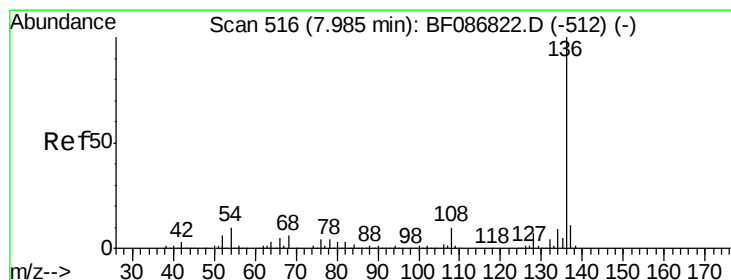
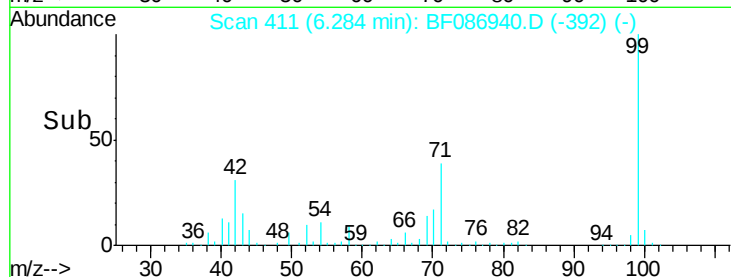
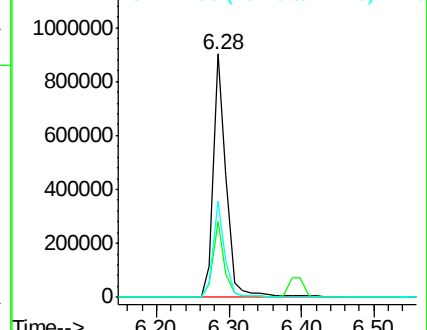
71 39.4 24.6 36.8#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.08 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Tgt Ion: 136 Resp: 597749

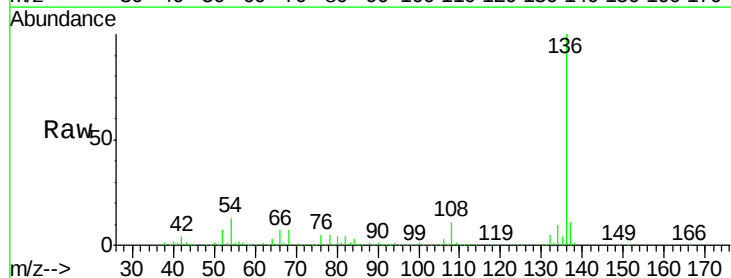
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 13.1 5.0 7.4#

68 7.1 4.4 6.6#

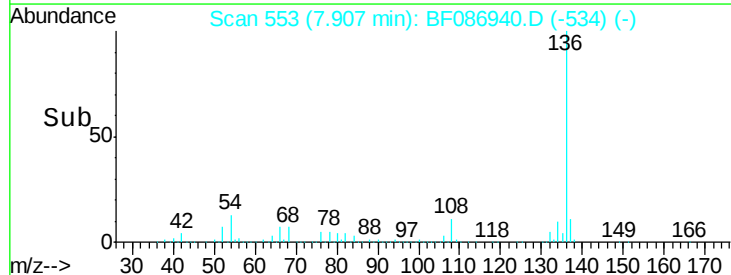
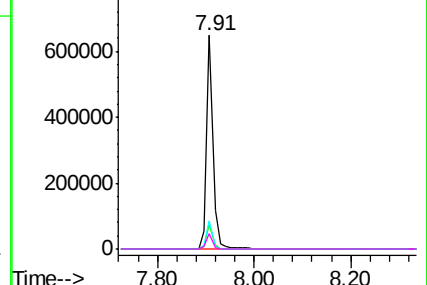


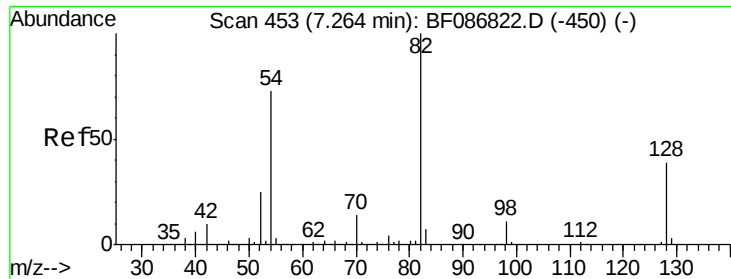
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

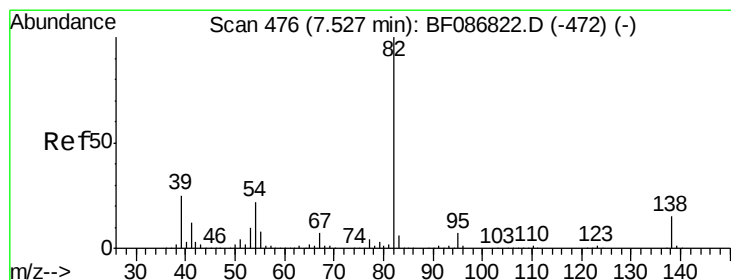
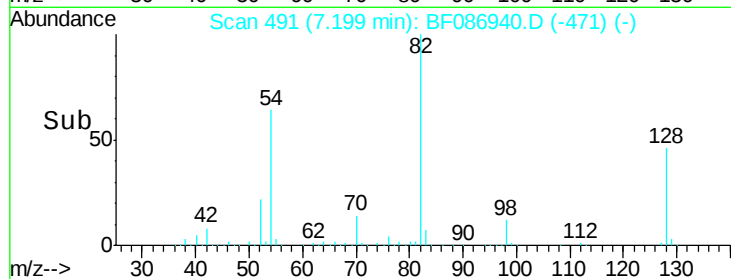
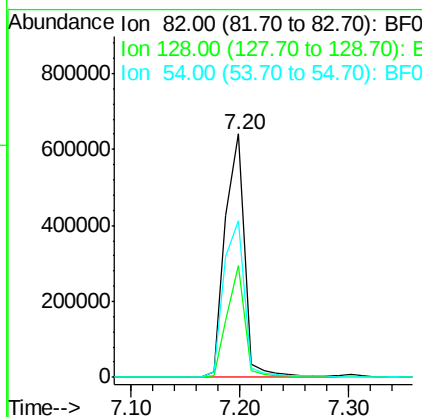
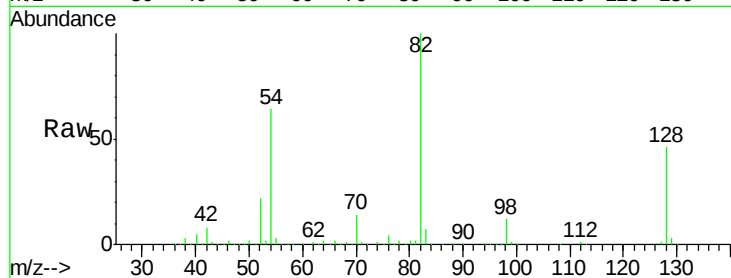




#23
 Nitrobenzene-d5
 Concen: 67.35 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.07 min
 Lab File: BF086940.D
 Acq: 12 May 2016 19:53

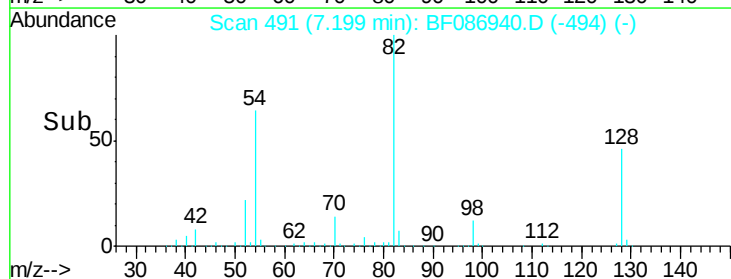
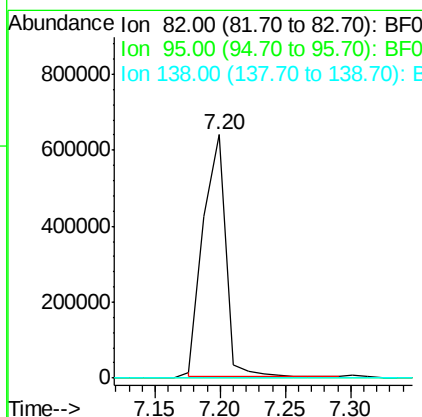
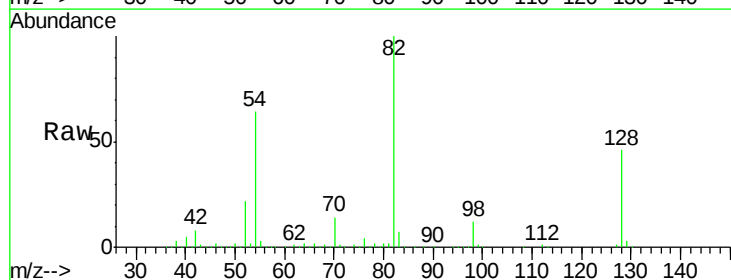
Instrument :
 BNA_F
 ClientSampleId :
 TP31-5FT

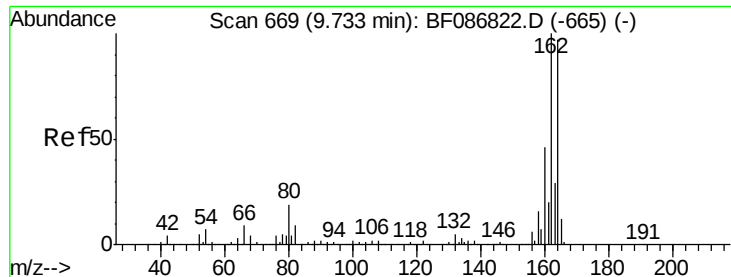
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.8	40.6	61.0
54	64.2	38.1	57.1#



#25
 Isophorone
 Concen: 34.78 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.33 min
 Lab File: BF086940.D
 Acq: 12 May 2016 19:53

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.1	7.7#
138	0.0	12.4	18.6#

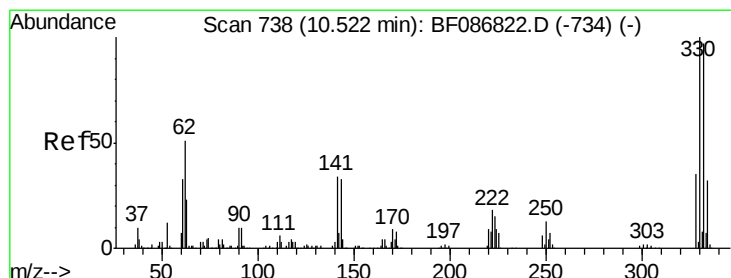
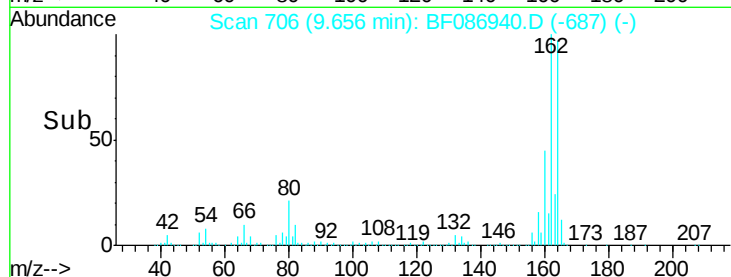
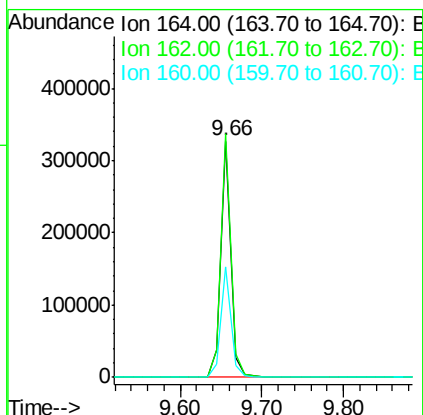
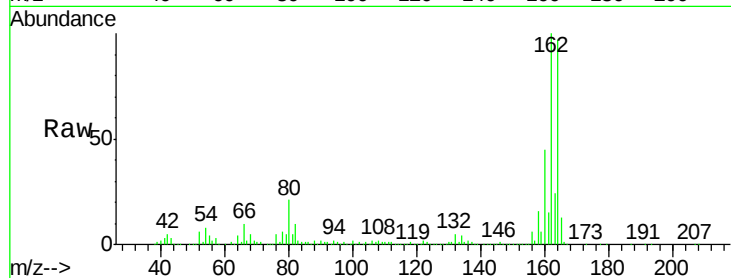




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.08 min
 Lab File: BF086940.D
 Acq: 12 May 2016 19:53

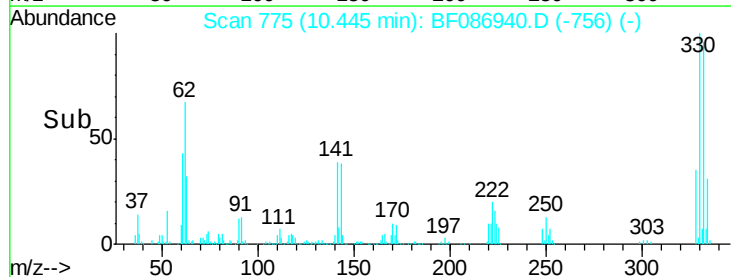
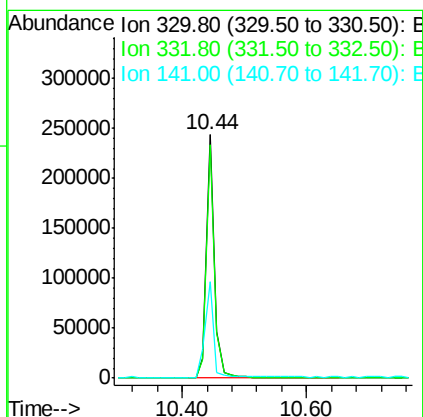
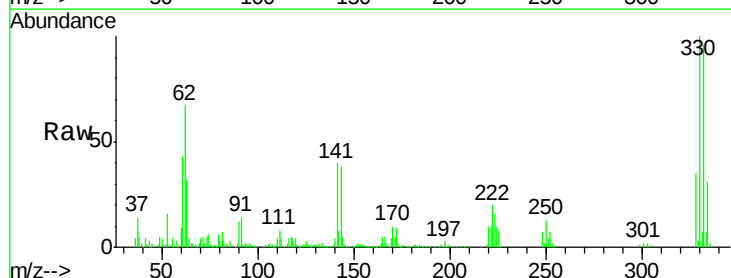
Instrument :
 BNA_F
 ClientSampleId :
 TP31-5FT

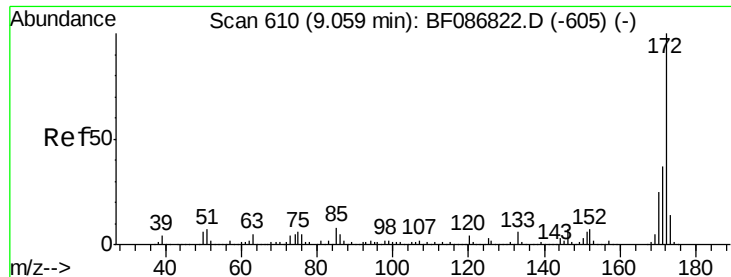
Tgt Ion:164 Resp: 275725
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.8 124.2
 160 46.9 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 77.00 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF086940.D
 Acq: 12 May 2016 19:53

Tgt Ion:330 Resp: 224754
 Ion Ratio Lower Upper
 330 100
 332 96.0 79.0 118.4
 141 41.7 31.2 46.8

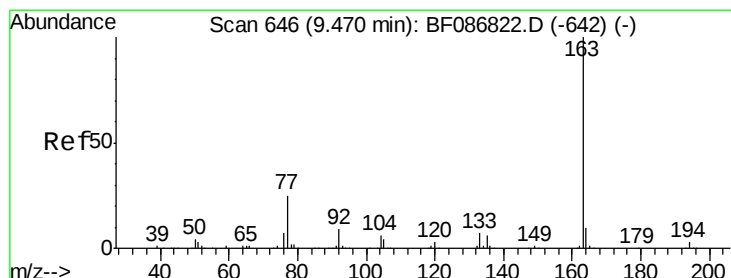
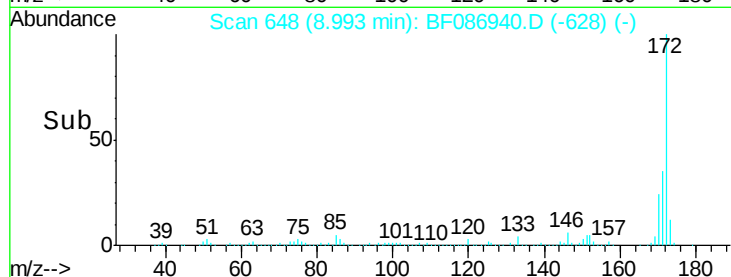
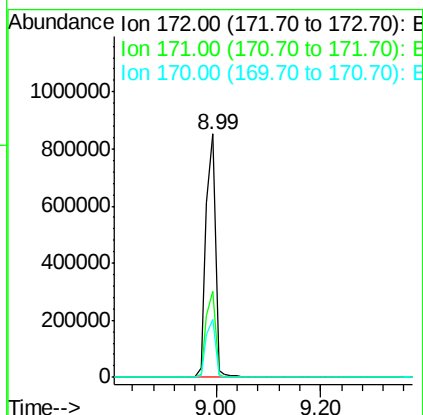
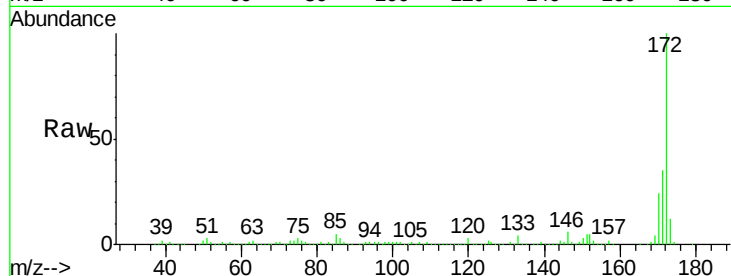




#44
 2-Fluorobiphenyl
 Concen: 65.32 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.07 min
 Lab File: BF086940.D
 Acq: 12 May 2016 19:53

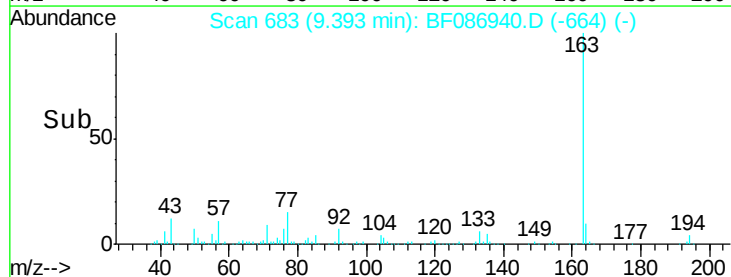
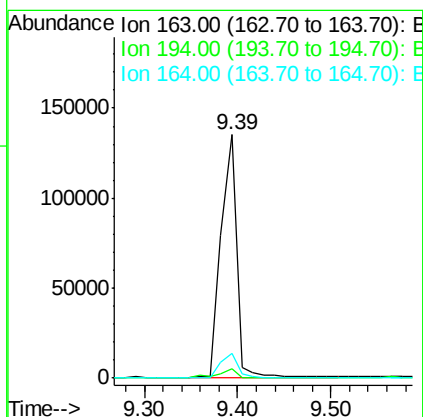
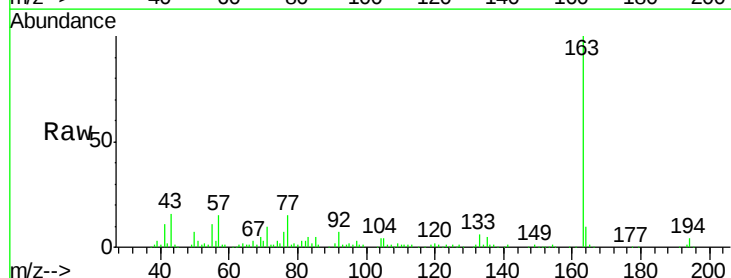
Instrument :
 BNA_F
 ClientSampleId :
 TP31-5FT

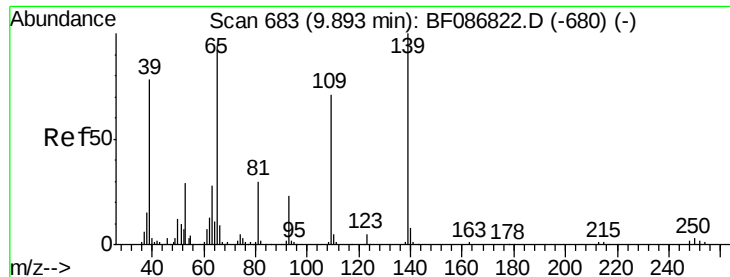
Tgt Ion:172 Resp: 1071611
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.0 43.6
 170 23.8 19.8 29.8



#49
 Dimethylphthalate
 Concen: 7.40 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.08 min
 Lab File: BF086940.D
 Acq: 12 May 2016 19:53

Tgt Ion:163 Resp: 155632
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.6 4.0
 164 10.1 8.2 12.4





#55

4-Nitrophenol

Concen: 4.72 ng

RT: 9.79 min Scan# 718

Delta R.T. -0.10 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Instrument :

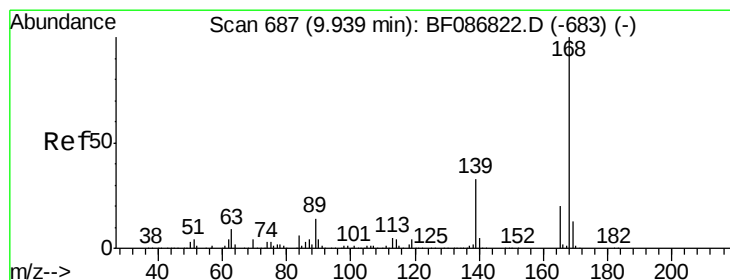
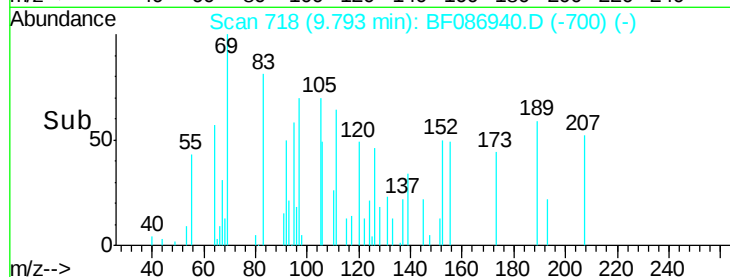
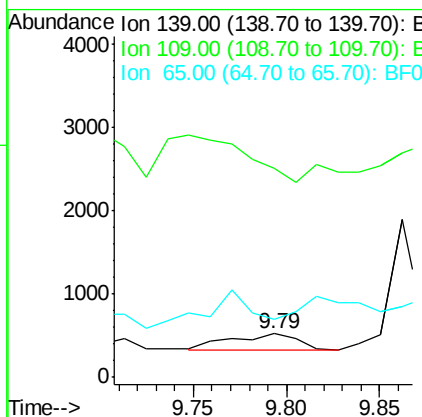
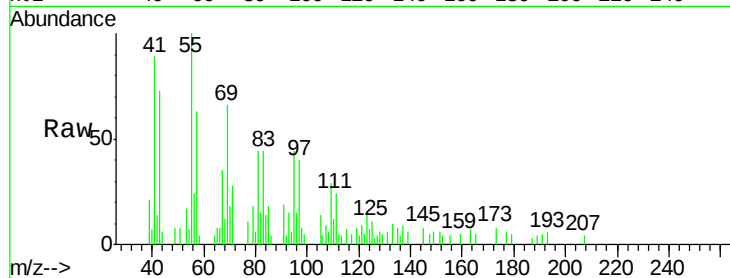
BNA_F

ClientSampled :

TP31-5FT

Tgt Ion:139 Resp: 534

Ion	Ratio	Lower	Upper
139	100		
109	476.3	36.9	76.9#
65	133.0	64.0	104.0#



#56

2,4-Dinitrotoluene

Concen: 6.70 ng

RT: 9.66 min Scan# 706

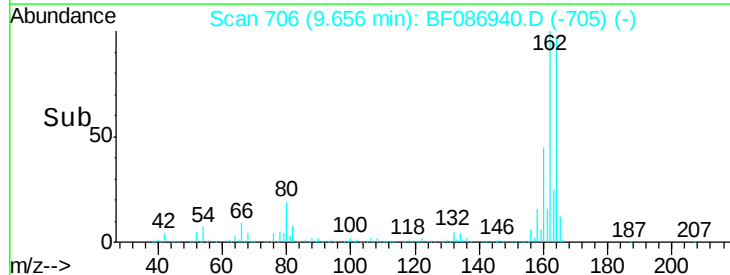
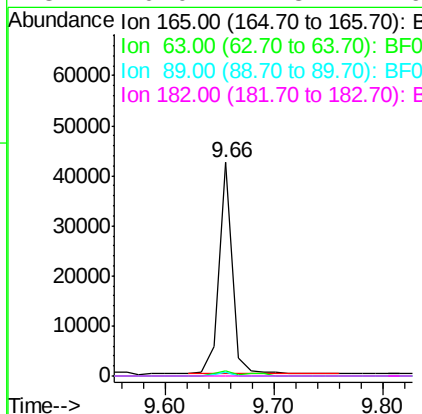
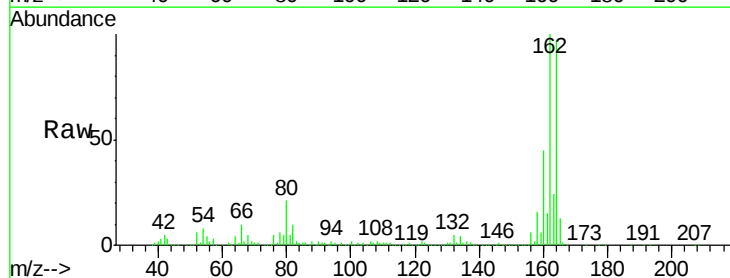
Delta R.T. -0.28 min

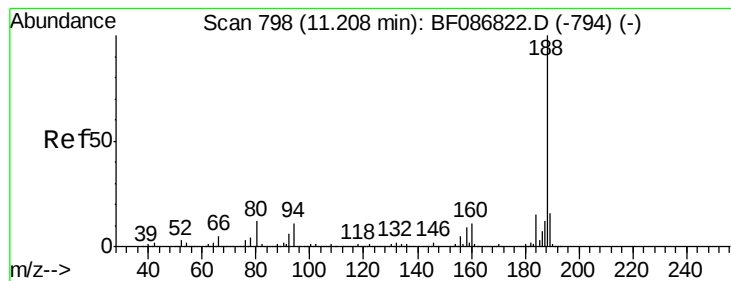
Lab File: BF086940.D

Acq: 12 May 2016 19:53

Tgt Ion:165 Resp: 36717

Ion	Ratio	Lower	Upper
165	100		
63	2.3	44.3	66.5#
89	1.9	70.0	105.0#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.08 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

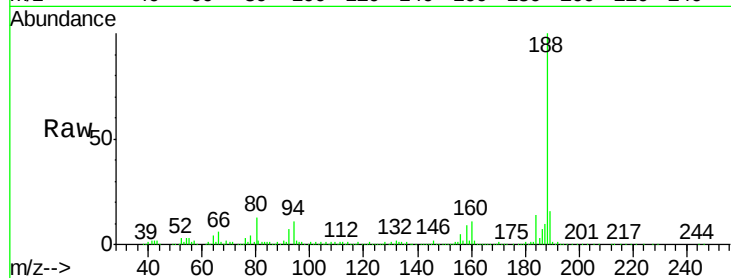
Tgt Ion:188 Resp: 419941

Ion Ratio Lower Upper

188 100

94 11.5 6.8 10.2#

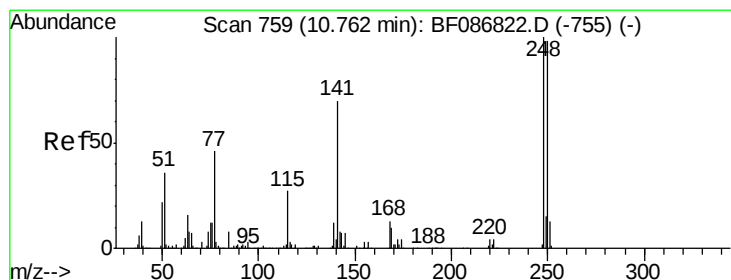
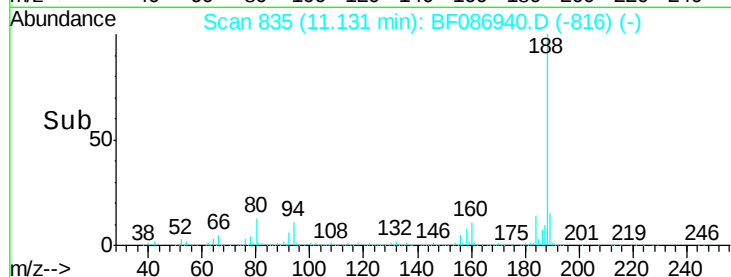
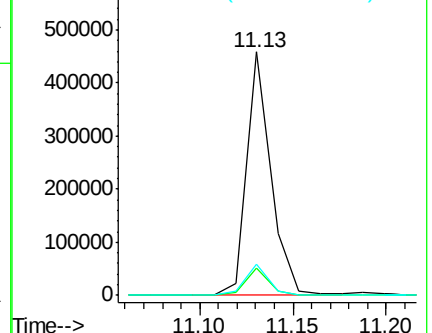
80 12.8 7.1 10.7#



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



#66

4-Bromophenyl-phenylether

Concen: 3.31 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.32 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

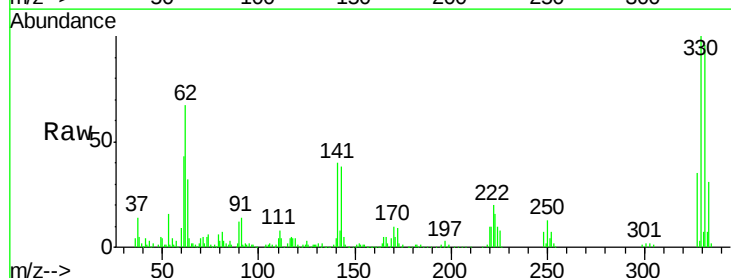
Tgt Ion:248 Resp: 14094

Ion Ratio Lower Upper

248 100

250 196.7 78.6 117.8#

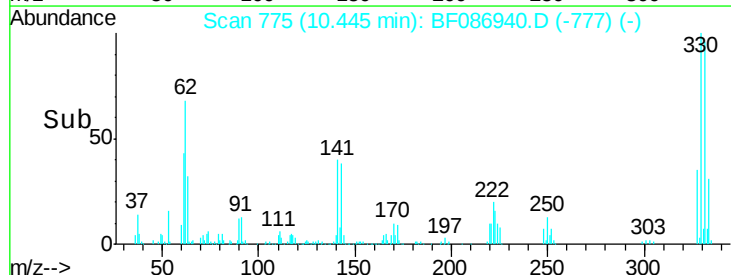
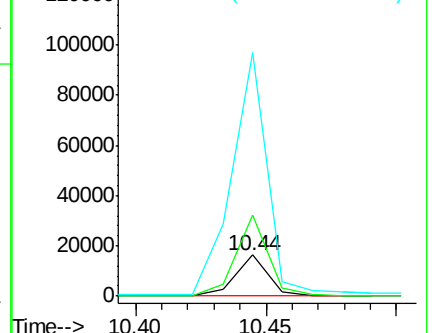
141 589.6 76.0 114.0#

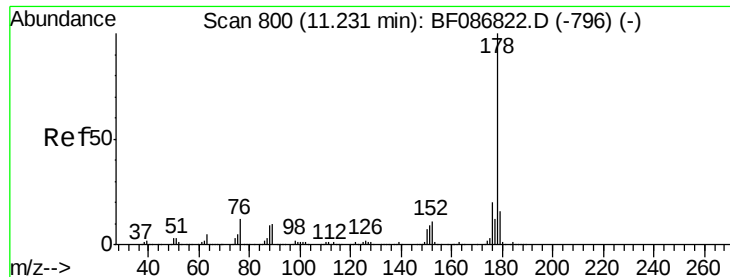


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.38 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.08 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

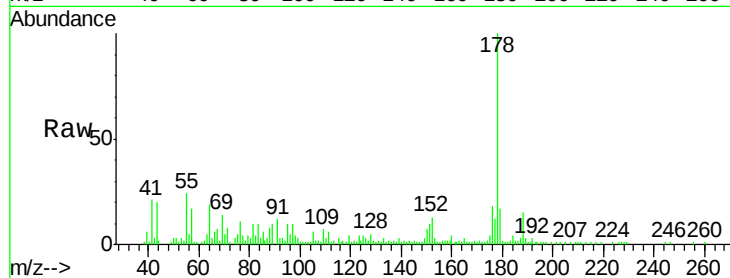
Tgt Ion:178 Resp: 53402

Ion Ratio Lower Upper

178 100

176 18.2 16.0 24.0

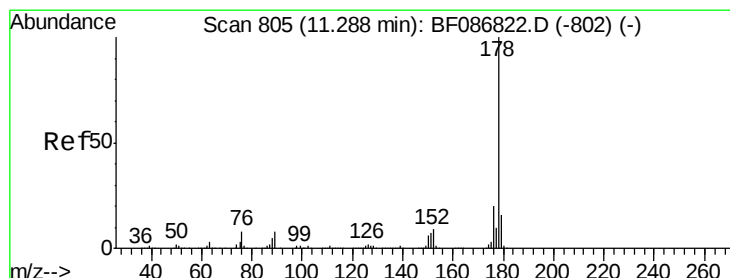
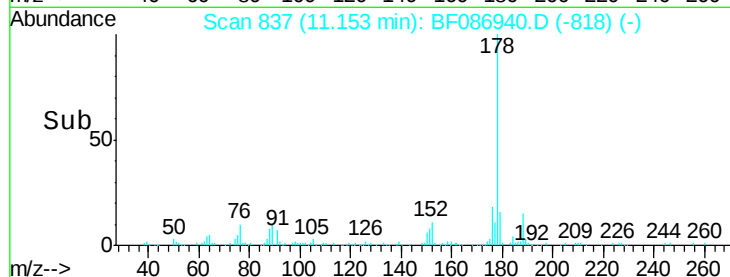
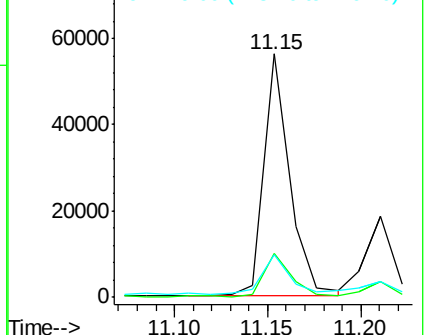
179 17.5 12.6 18.8



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: 2.33 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.13 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

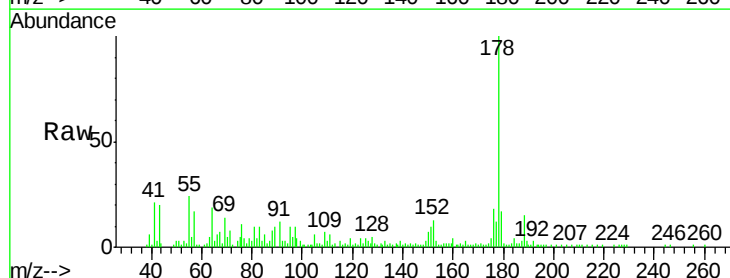
Tgt Ion:178 Resp: 53402

Ion Ratio Lower Upper

178 100

176 18.2 15.6 23.4

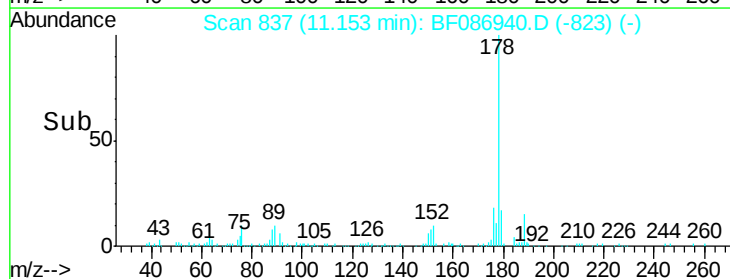
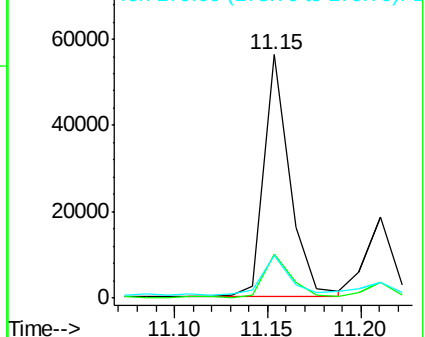
179 17.5 12.7 19.1

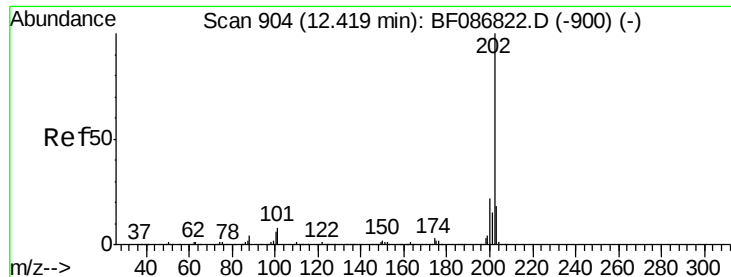


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.30 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.08 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

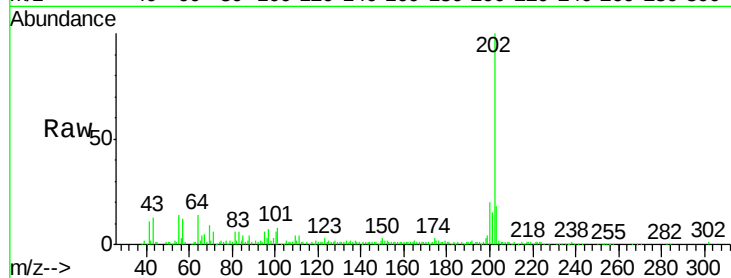
Tgt Ion:202 Resp: 122099

Ion Ratio Lower Upper

202 100

101 8.4 0.0 35.4

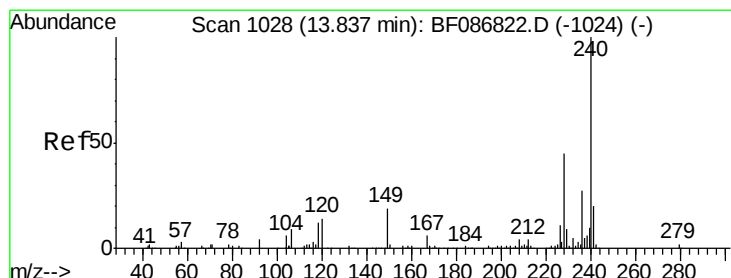
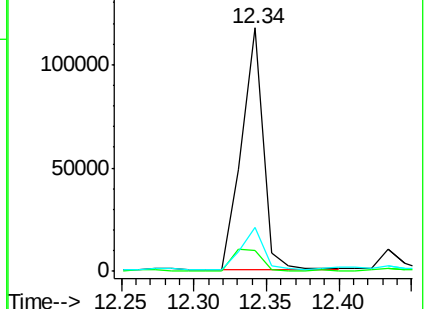
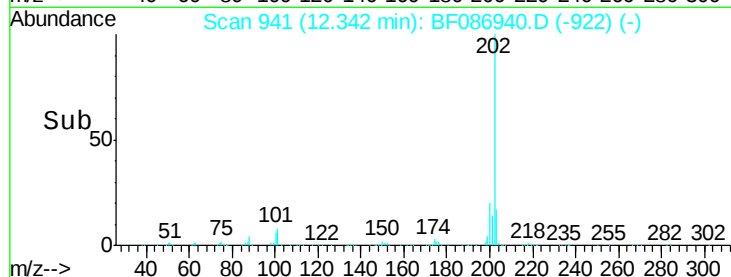
203 17.9 0.0 38.1



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: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

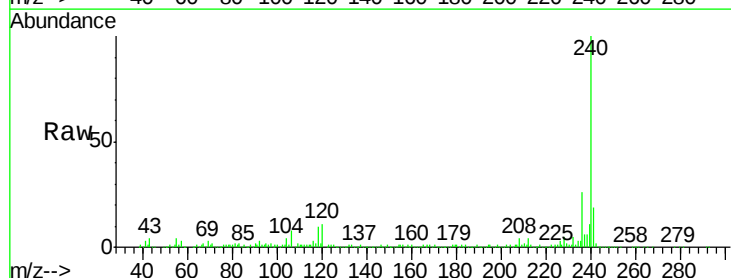
Tgt Ion:240 Resp: 287907

Ion Ratio Lower Upper

240 100

120 11.2 11.2 16.8#

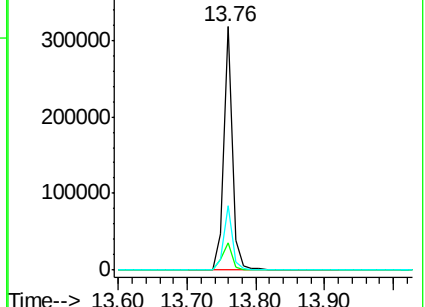
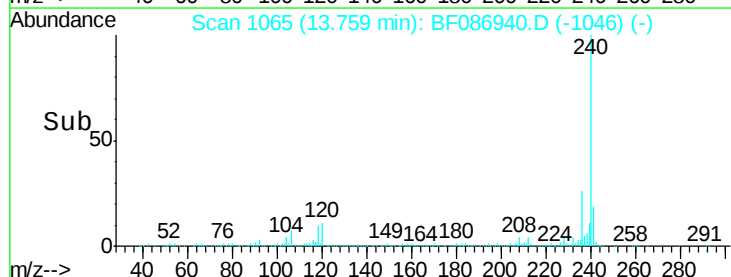
236 26.3 21.2 31.8

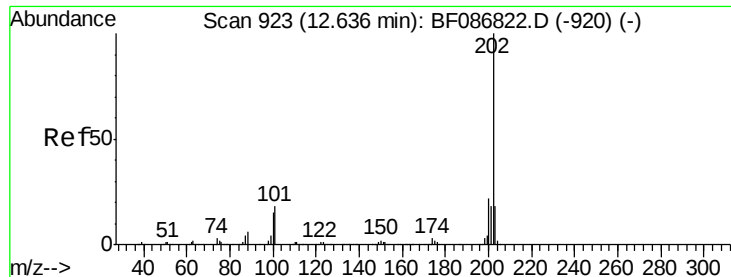


Abundance Ion 240.00 (239.70 to 240.70): E

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: 12.56 min Scan# 960

Delta R.T. -0.08 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Instrument :

BNA_F

ClientSampled :

TP31-5FT

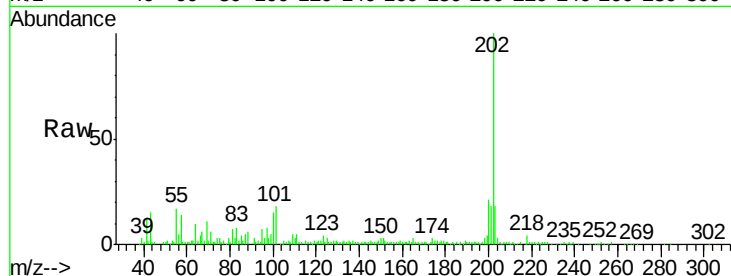
Tgt Ion:202 Resp: 114523

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

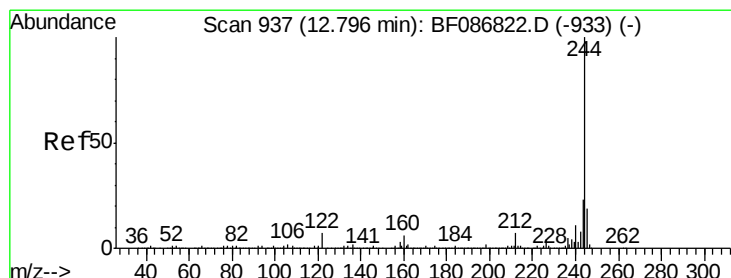
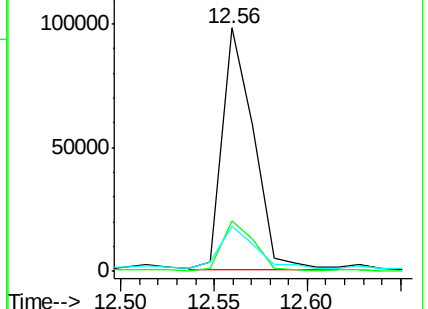
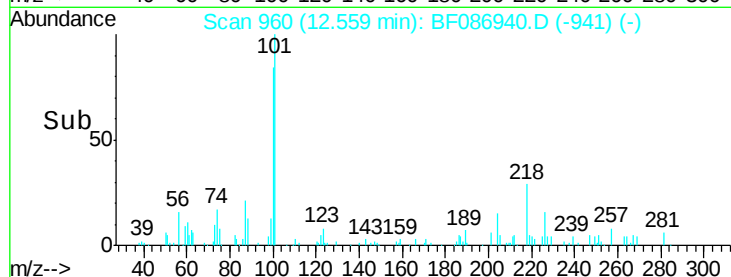
203 18.4 14.2 21.4



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: 47.35 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

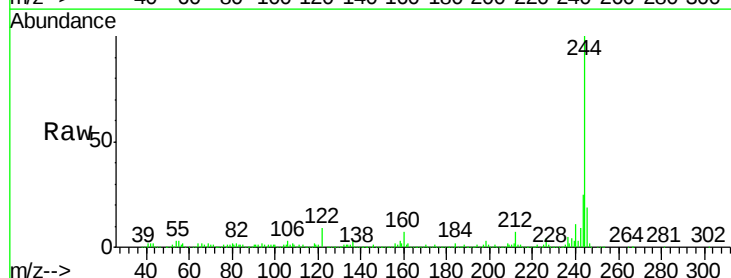
Tgt Ion:244 Resp: 642499

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

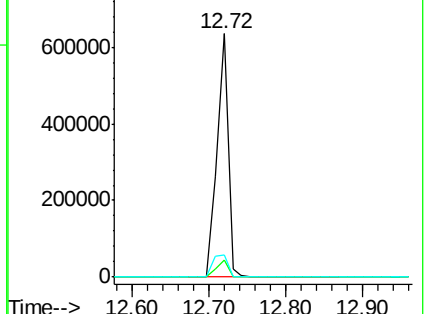
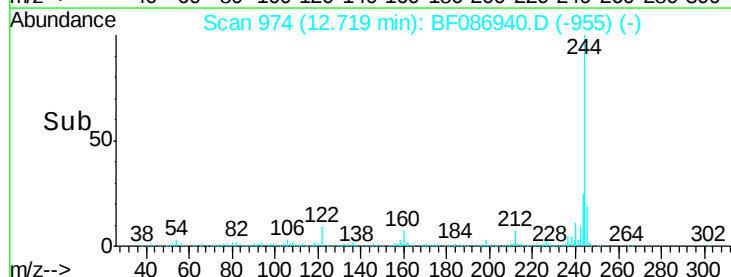
122 9.3 12.0 18.0#

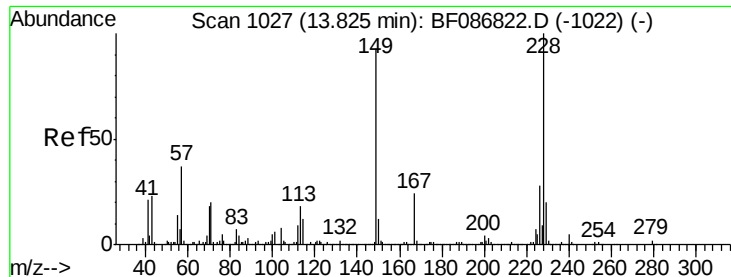


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.20 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.08 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

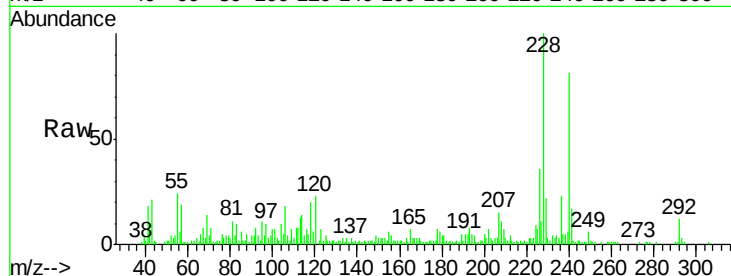
Tgt Ion:228 Resp: 67936

Ion Ratio Lower Upper

228 100

226 36.2 22.5 33.7#

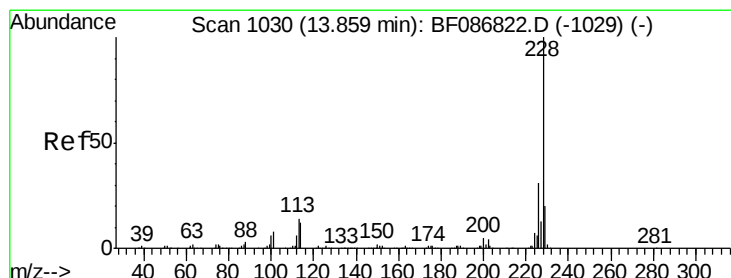
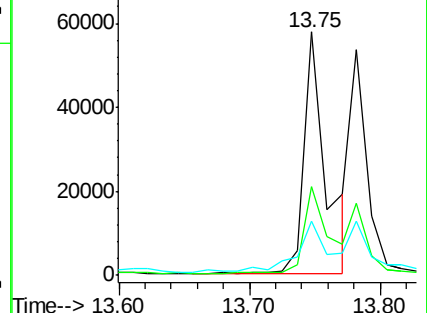
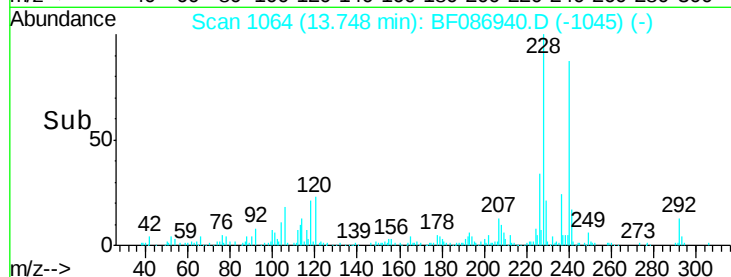
229 22.3 16.6 25.0



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



#82

Chrysene

Concen: 4.13 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.11 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

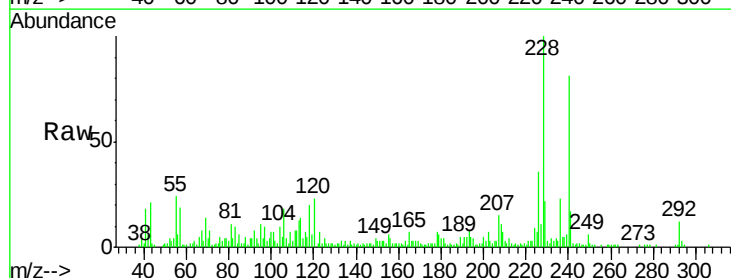
Tgt Ion:228 Resp: 67936

Ion Ratio Lower Upper

228 100

226 36.2 24.4 36.6

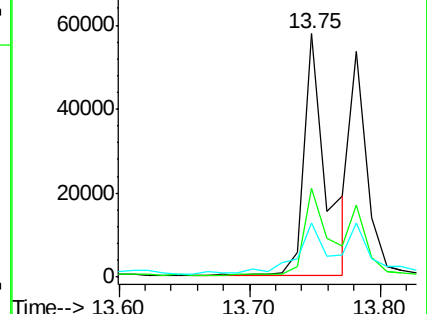
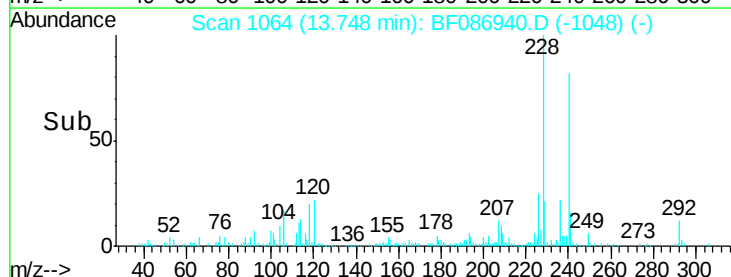
229 22.3 15.8 23.8

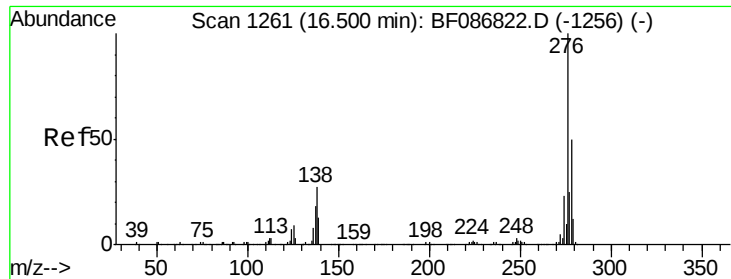


Abundance Ion 228.00 (227.70 to 228.70): E

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: 3.02 ng

RT: 16.37 min Scan# 1293

Delta R.T. -0.13 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

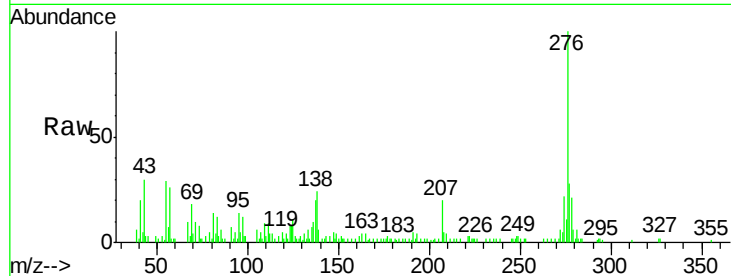
Tgt Ion: 276 Resp: 41357

Ion Ratio Lower Upper

276 100

138 26.1 25.6 38.4

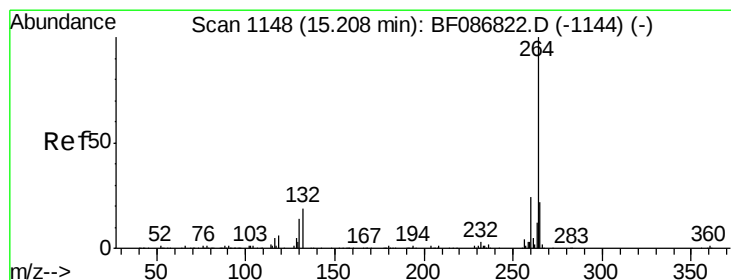
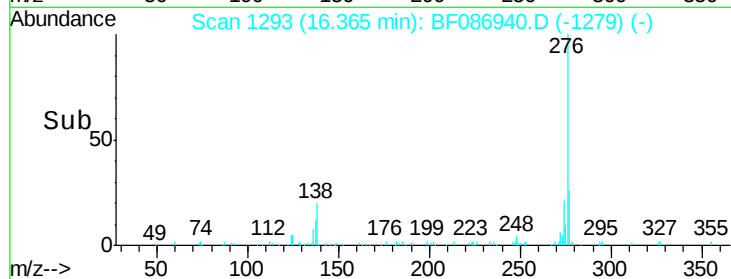
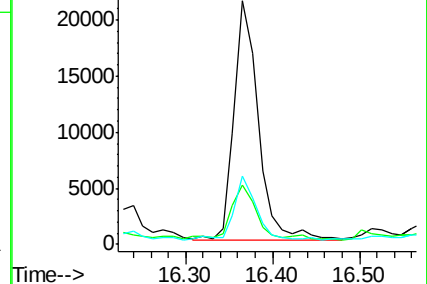
277 25.0 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.12 min Scan# 1184

Delta R.T. -0.09 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

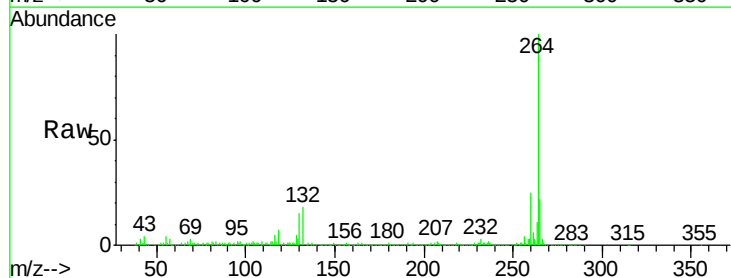
Tgt Ion: 264 Resp: 312401

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

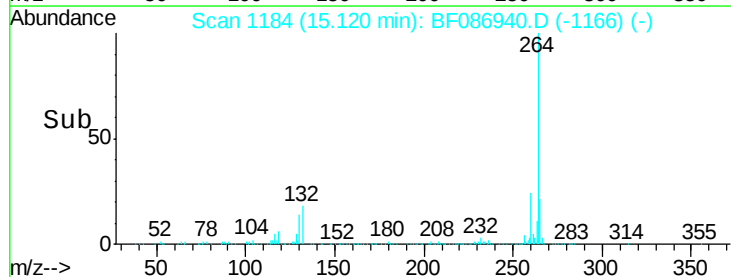
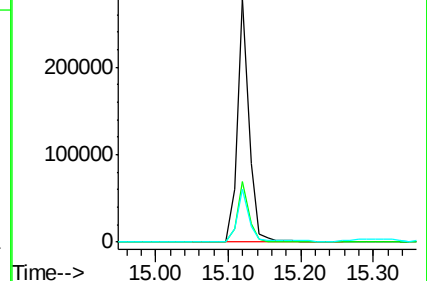
265 21.6 17.3 25.9

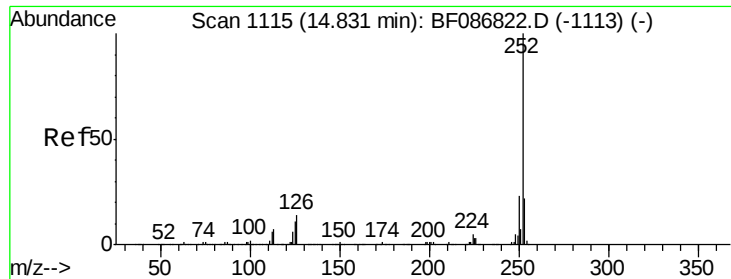


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

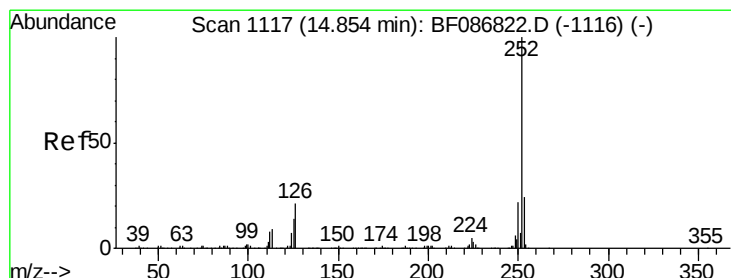
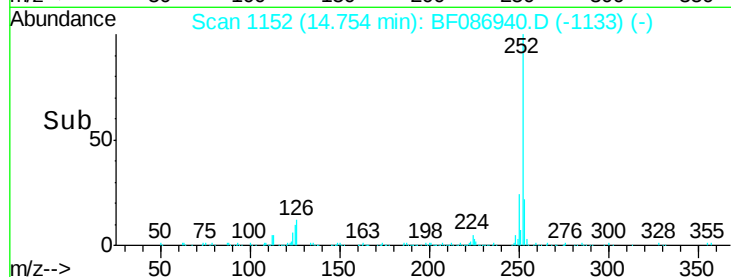
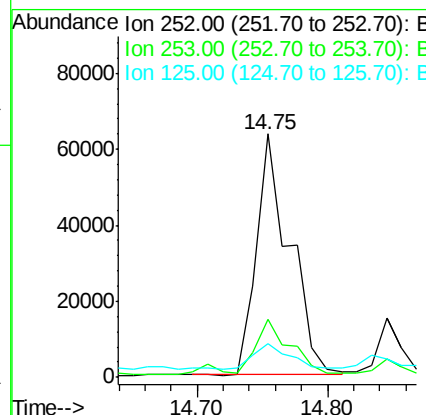
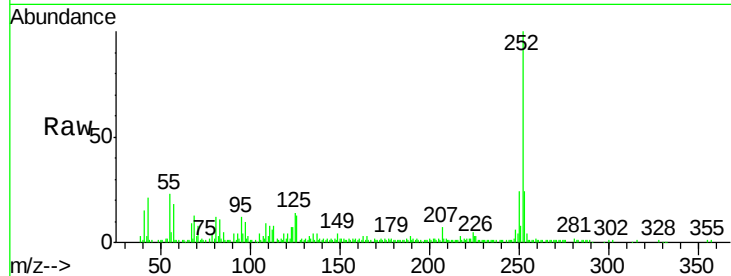




#87
Benzo(b)fluoranthene
Concen: 5.57 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.08 min
Lab File: BF086940.D
Acq: 12 May 2016 19:53

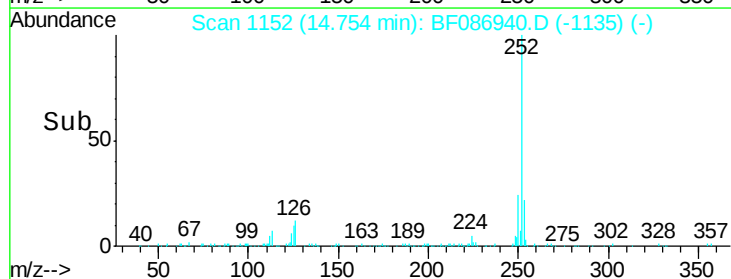
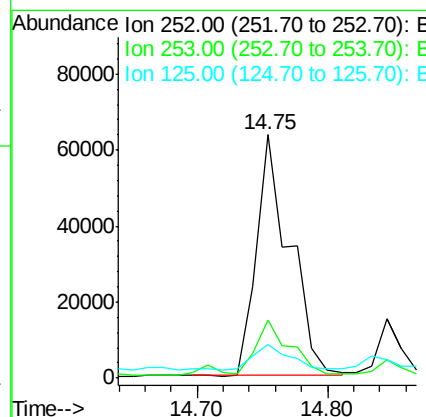
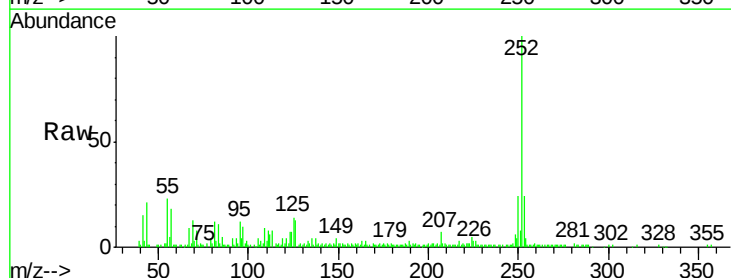
Instrument :
BNA_F
ClientSampleId :
TP31-5FT

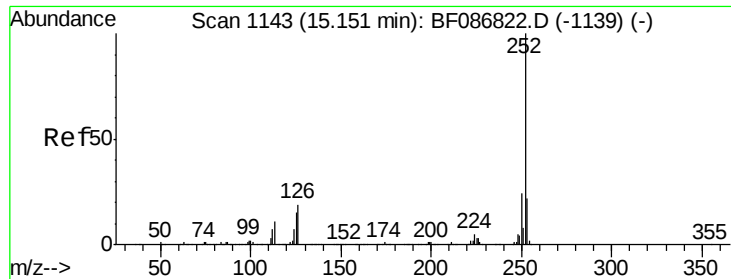
Tgt Ion:252 Resp: 113167
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 13.8 11.4 17.0



#88
Benzo(k)fluoranthene
Concen: 6.81 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.10 min
Lab File: BF086940.D
Acq: 12 May 2016 19:53

Tgt Ion:252 Resp: 113167
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 13.8 9.1 13.7#





#89

Benzo(a)pyrene

Concen: 3.55 ng

RT: 15.06 min Scan# 1179

Delta R.T. -0.09 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

Instrument :

BNA_F

ClientSampleId :

TP31-5FT

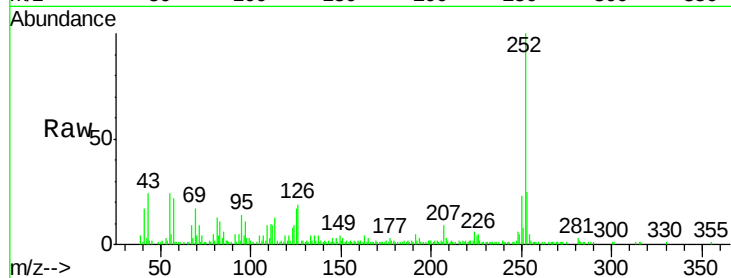
Tgt Ion: 252 Resp: 62102

Ion Ratio Lower Upper

252 100

253 25.0 17.2 25.8

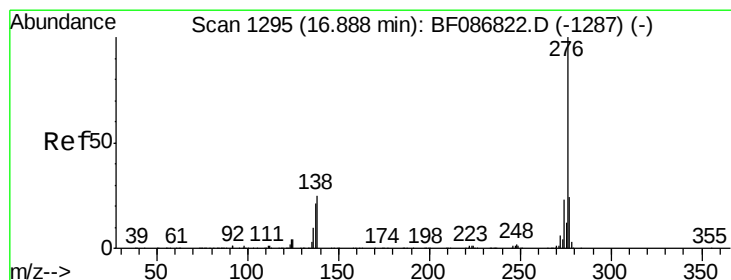
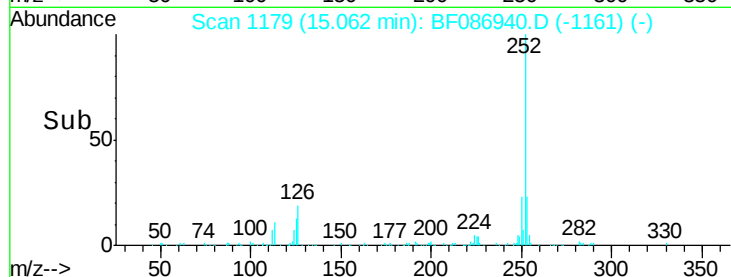
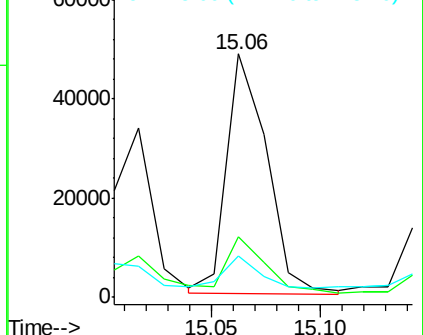
125 17.1 9.0 13.6#



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: 2.48 ng

RT: 16.74 min Scan# 1326

Delta R.T. -0.15 min

Lab File: BF086940.D

Acq: 12 May 2016 19:53

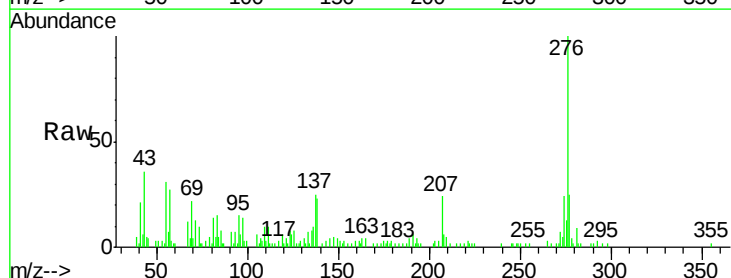
Tgt Ion: 276 Resp: 37200

Ion Ratio Lower Upper

276 100

277 24.7 19.6 29.4

138 23.3 23.6 35.4#



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

