

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
 Data File : BF086295.D
 Acq On : 18 Apr 2016 21:32
 Operator : UM/SJ
 Sample : H2413-12 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-B(0-2)

Quant Time: Apr 19 00:55:45 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	282152	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1038099	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	405786	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	665384	20.00	ng	0.00
75) Chrysene-d12	14.04	240	519440	20.00	ng	-0.01
86) Perylene-d12	15.48	264	416406	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1010455	58.68	ng	0.00
7) Phenol-d6	6.51	99	1179677	54.77	ng	-0.01
23) Nitrobenzene-d5	7.45	82	713008	39.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	176766	54.25	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1023834	46.56	ng	-0.01
78) Terphenyl-d14	12.99	244	684850	33.15	ng	-0.01

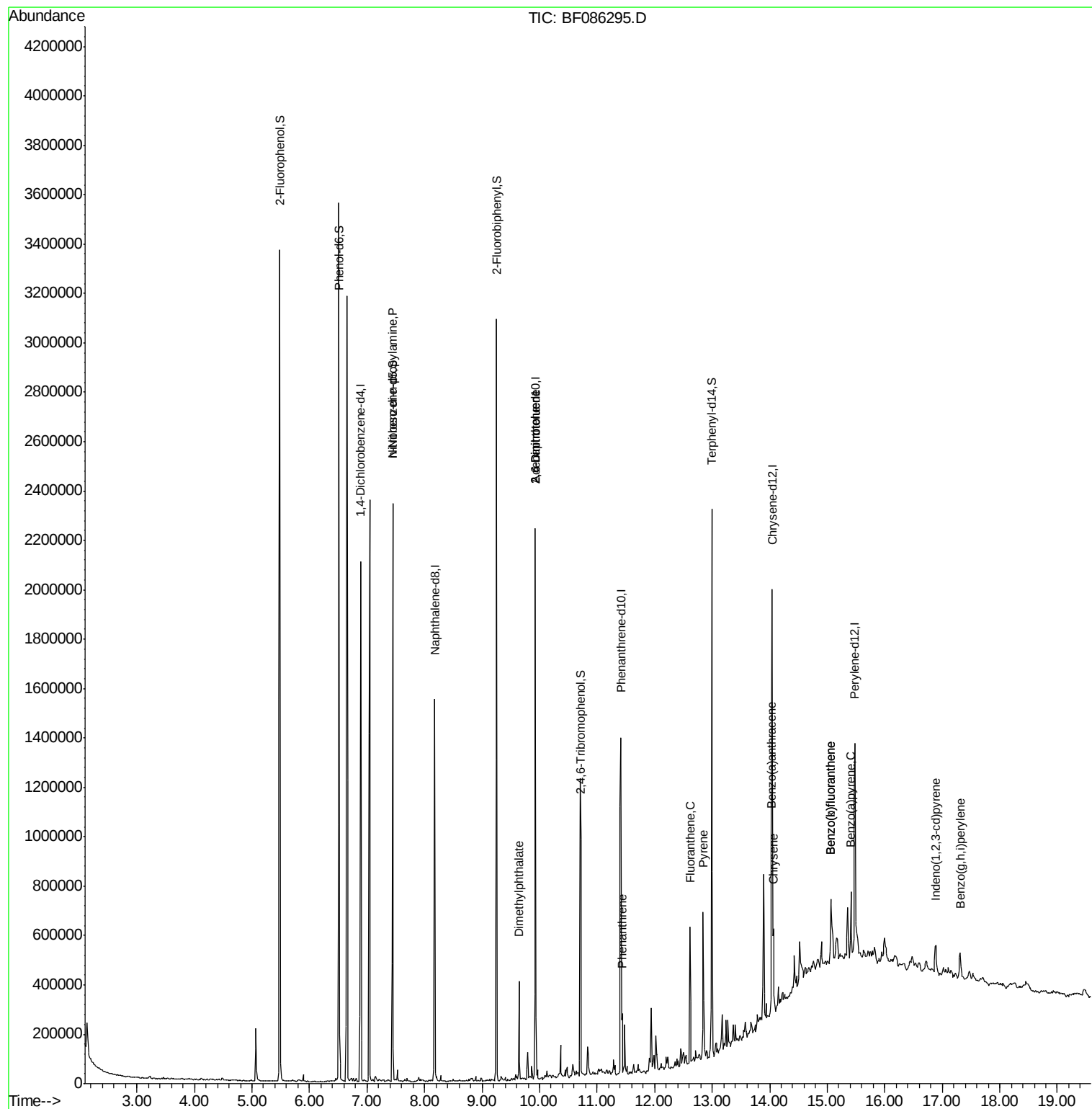
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	95700	6.94	ng	# 75
22) Acetophenone	7.29	105	975	Below Cal		# 27
49) Dimethylphthalate	9.64	163	137859	4.67	ng	99
50) 2,6-Dinitrotoluene	9.93	165	52372	8.02	ng	# 32
56) 2,4-Dinitrotoluene	9.93	165	52373	6.27	ng	# 31
57) Fluorene	10.48	166	19638	Below Cal		97
70) Phenanthrene	11.44	178	129155	4.06	ng	97
74) Fluoranthene	12.61	202	233847	3.34	ng	96
77) Pyrene	12.84	202	250542	6.29	ng	97
80) Benzo(a)anthracene	14.03	228	154043	5.40	ng	94
82) Chrysene	14.07	228	106184	3.49	ng	95
85) Indeno(1,2,3-cd)pyrene	16.89	276	76616	3.07	ng	96
87) Benzo(b)fluoranthene	15.06	252	205494	8.00	ng	# 95
88) Benzo(k)fluoranthene	15.06	252	205494	8.77	ng	# 93
89) Benzo(a)pyrene	15.41	252	124928	5.61	ng	# 96
91) Benzo(g,h,i)perylene	17.31	276	90441	4.33	ng	97

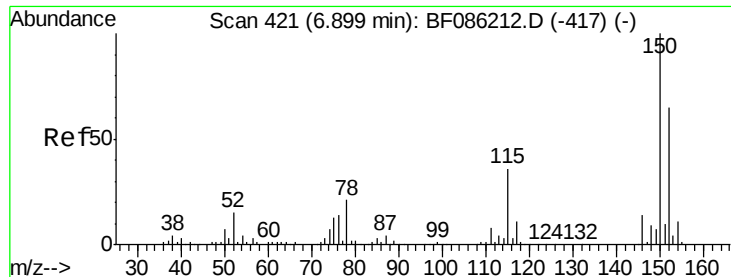
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

ClientSampleId :

SP-1-B(0-2)

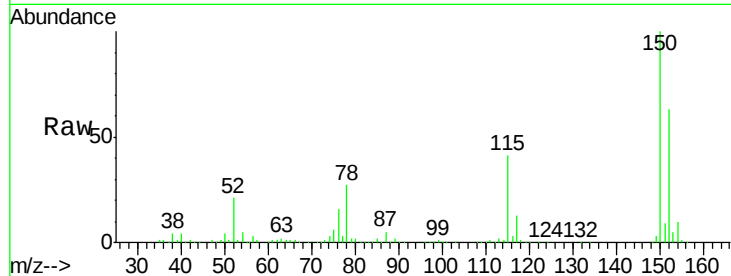
Tgt Ion:152 Resp: 282152

Ion Ratio Lower Upper

152 100

150 158.0 124.1 186.1

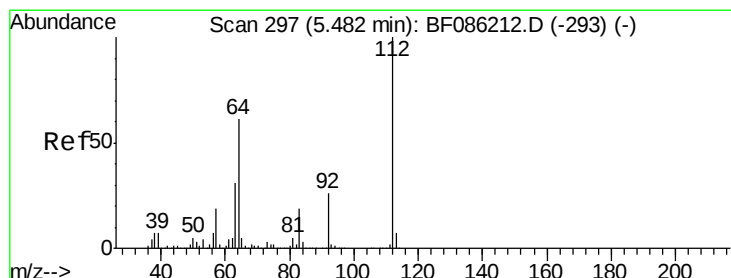
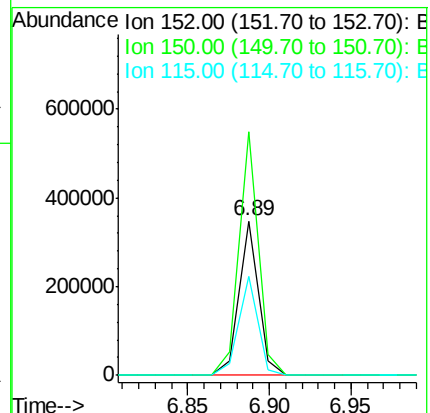
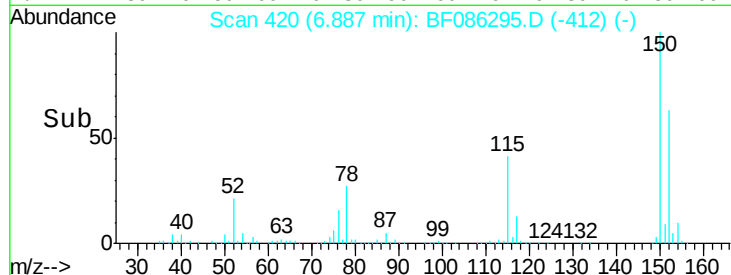
115 64.4 43.9 65.9



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: 58.68 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

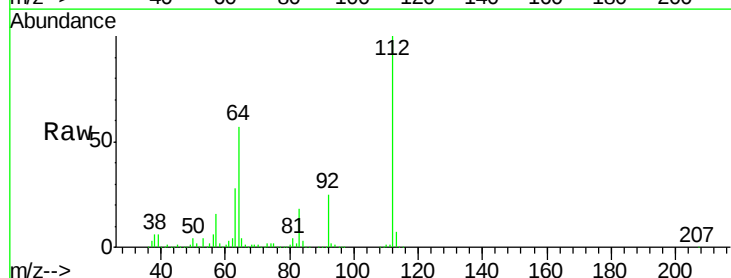
Tgt Ion:112 Resp: 1010455

Ion Ratio Lower Upper

112 100

64 56.6 48.1 72.1

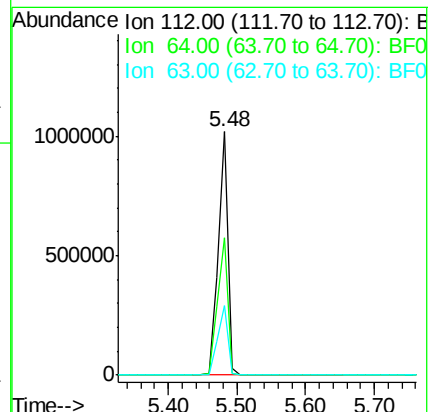
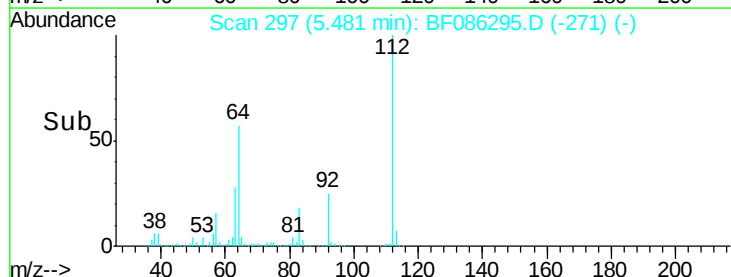
63 28.5 25.5 38.3

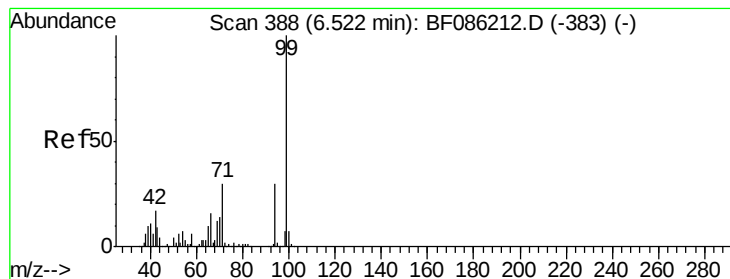


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 54.77 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

ClientSampleId :

SP-1-B(0-2)

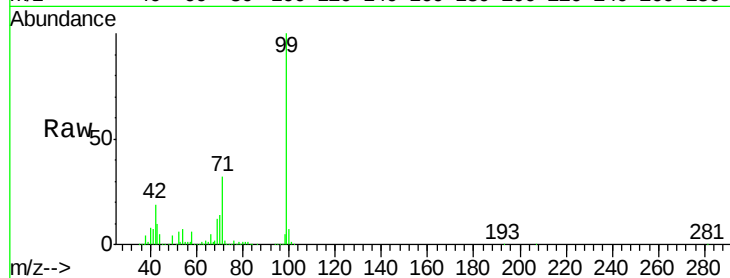
Tgt Ion: 99 Resp: 1179677

Ion Ratio Lower Upper

99 100

42 19.3 15.4 23.2

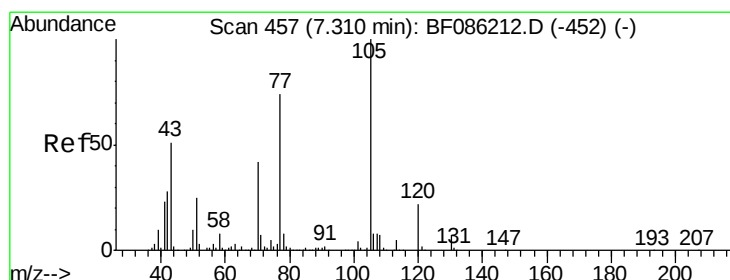
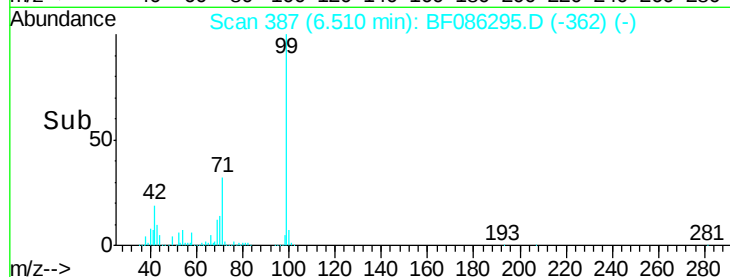
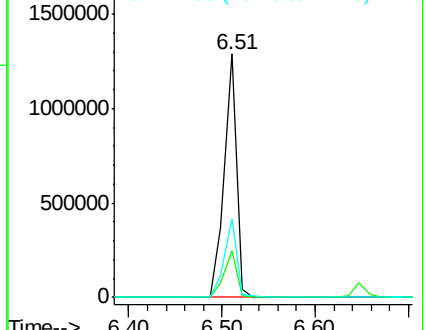
71 32.1 25.6 38.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.94 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.14 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Tgt Ion: 70 Resp: 95700

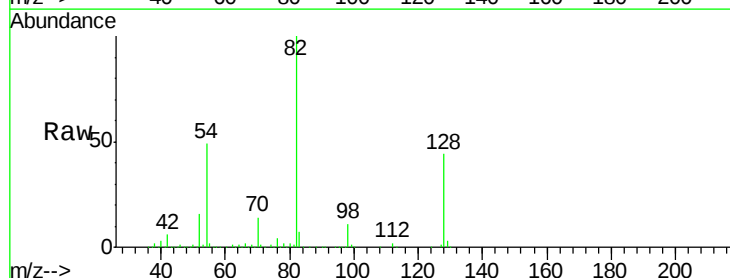
Ion Ratio Lower Upper

70 100

42 43.5 43.0 64.4

101 0.0 8.1 12.1#

130 2.1 20.1 30.1#

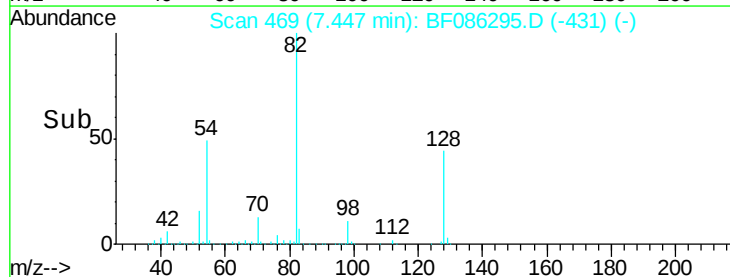
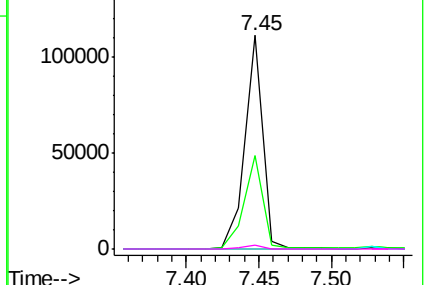


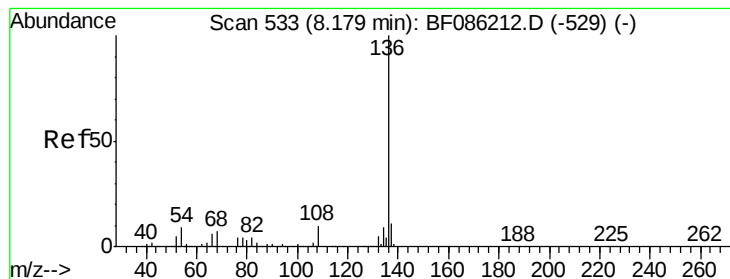
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

ClientSampleId :

SP-1-B(0-2)

Tgt Ion: 136 Resp: 1038099

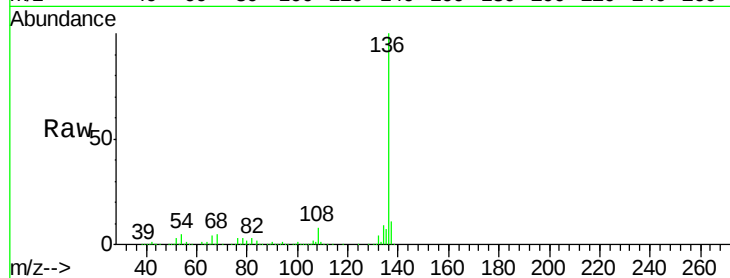
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.5 7.3 10.9#

68 4.9 5.7 8.5#



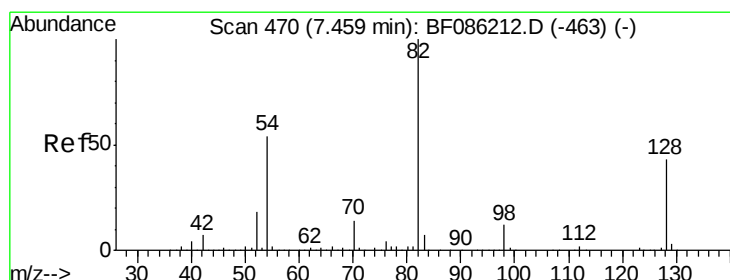
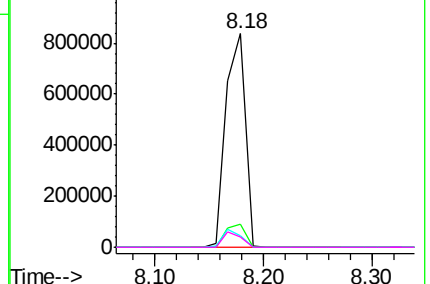
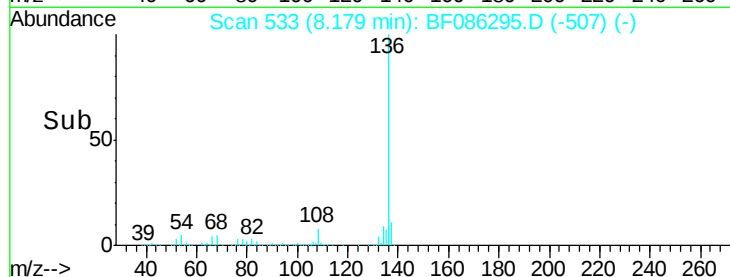
Abundance

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: 39.62 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

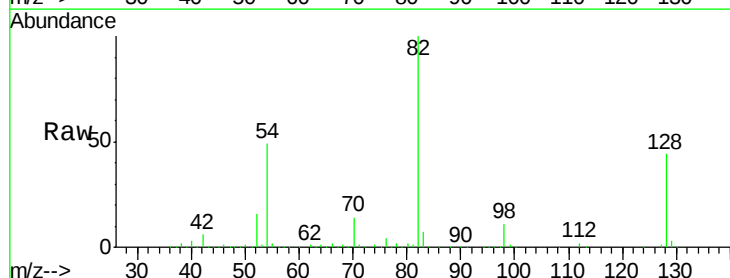
Tgt Ion: 82 Resp: 713008

Ion Ratio Lower Upper

82 100

128 43.7 35.4 53.2

54 49.4 43.4 65.0

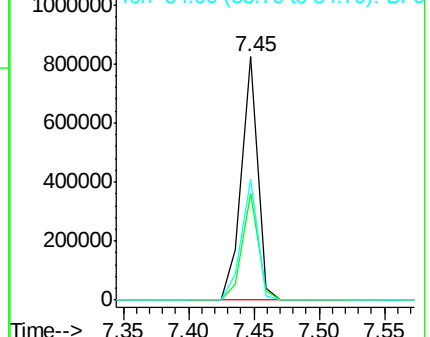
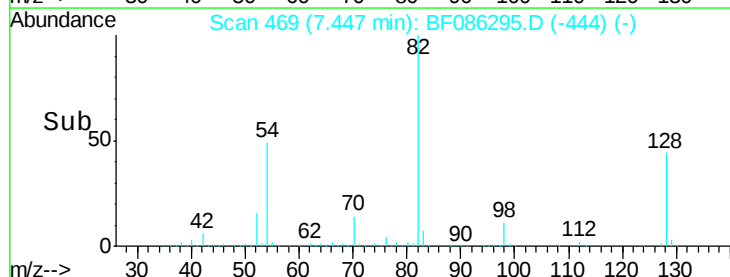


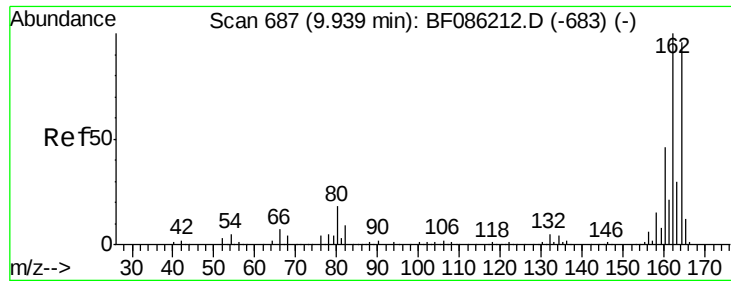
Abundance

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: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

ClientSampleId :

SP-1-B(0-2)

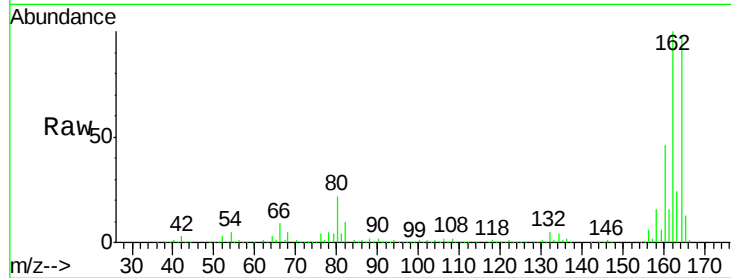
Tgt Ion:164 Resp: 405786

Ion Ratio Lower Upper

164 100

162 101.6 82.8 124.2

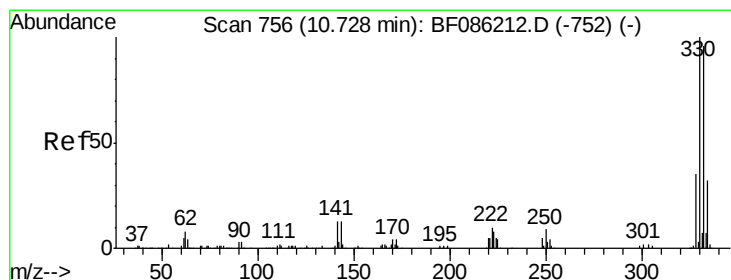
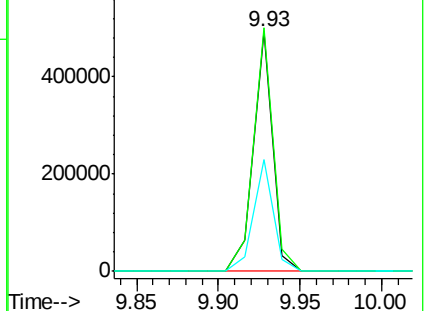
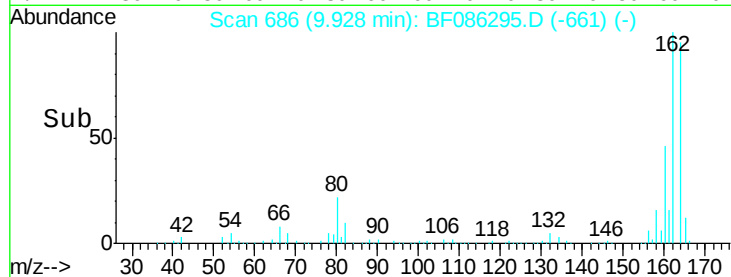
160 46.5 38.9 58.3



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: 54.25 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

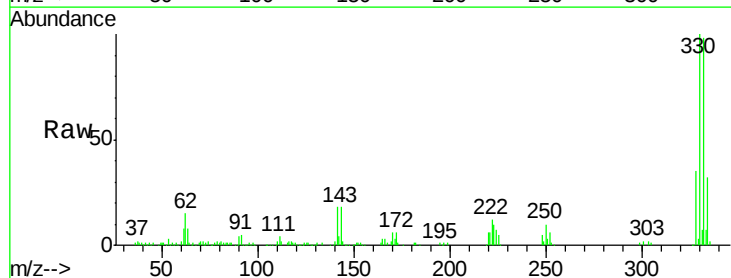
Tgt Ion:330 Resp: 176766

Ion Ratio Lower Upper

330 100

332 98.5 78.7 118.1

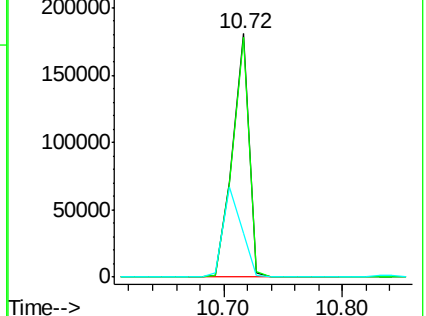
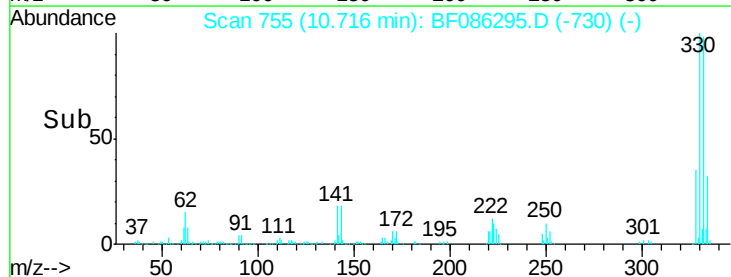
141 41.6 28.6 42.8

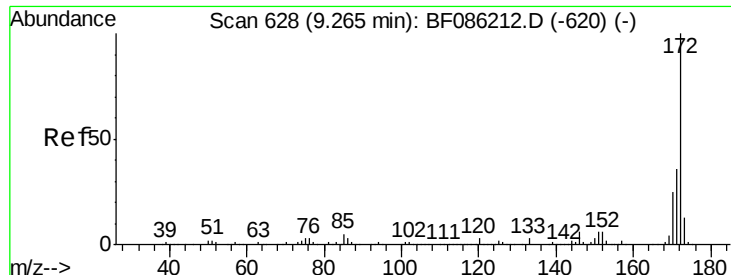


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

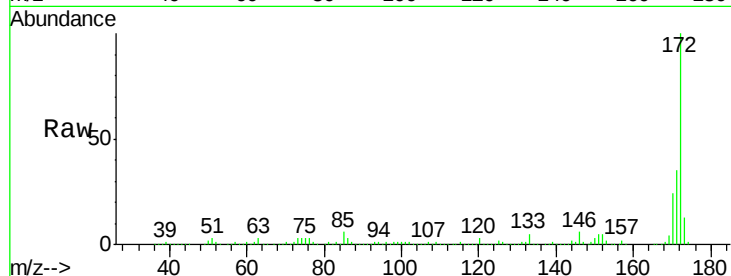




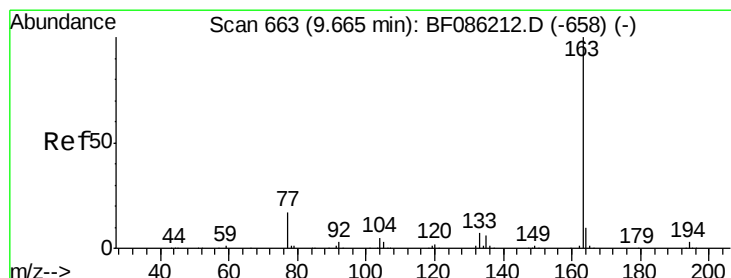
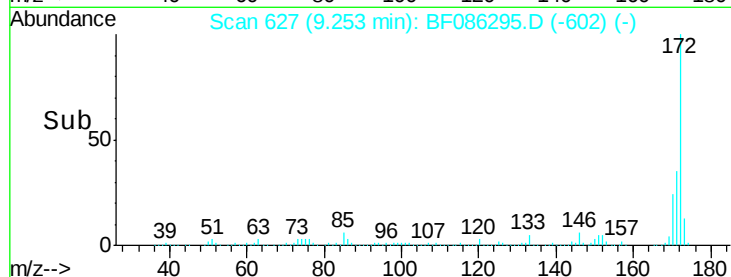
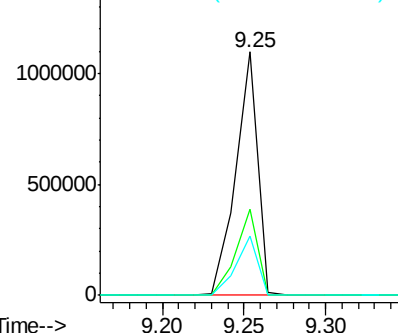
#44
 2-Fluorobiphenyl
 Concen: 46.56 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086295.D
 Acq: 18 Apr 2016 21:32

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-B(0-2)

Tgt Ion:172 Resp: 1023834
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.1 43.7
 170 24.3 19.9 29.9

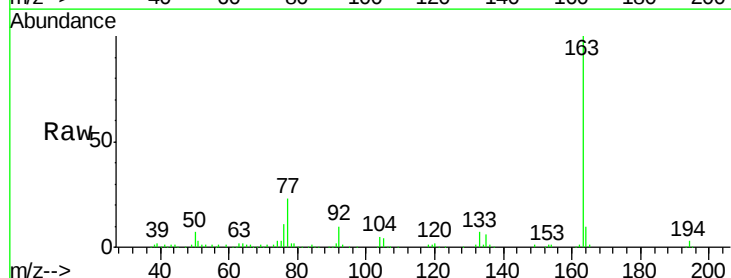


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

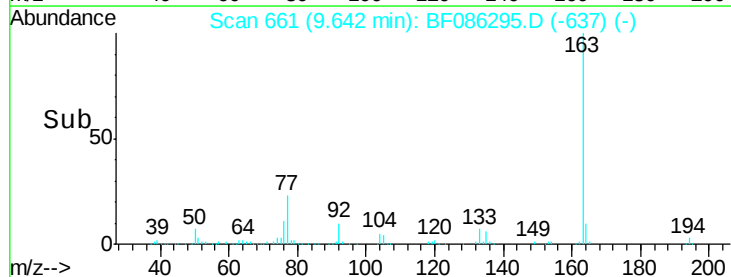
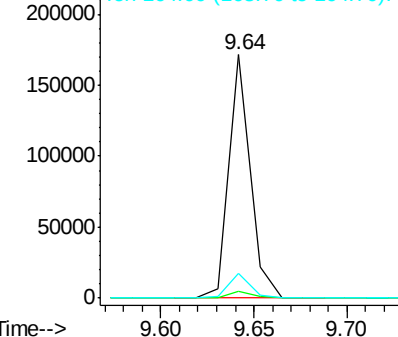


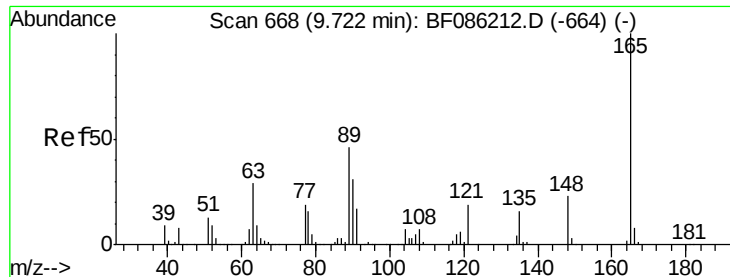
#49
 Dimethylphthalate
 Concen: 4.67 ng
 RT: 9.64 min Scan# 661
 Delta R.T. -0.02 min
 Lab File: BF086295.D
 Acq: 18 Apr 2016 21:32

Tgt Ion:163 Resp: 137859
 Ion Ratio Lower Upper
 163 100
 194 2.8 2.8 4.2
 164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 8.02 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.21 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

ClientSampleId :

SP-1-B(0-2)

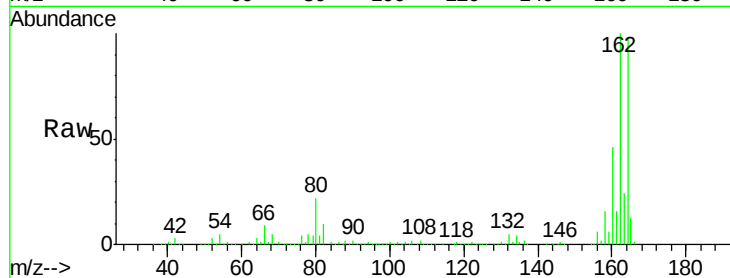
Tgt Ion:165 Resp: 52372

Ion Ratio Lower Upper

165 100

63 1.3 35.1 52.7#

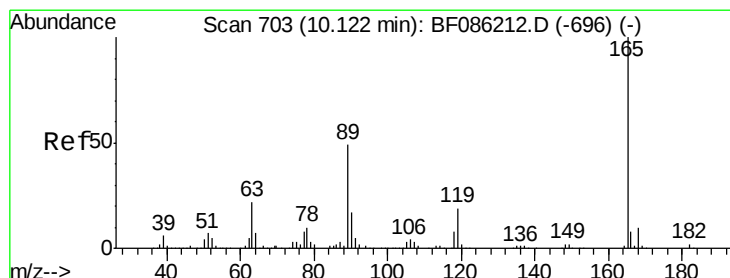
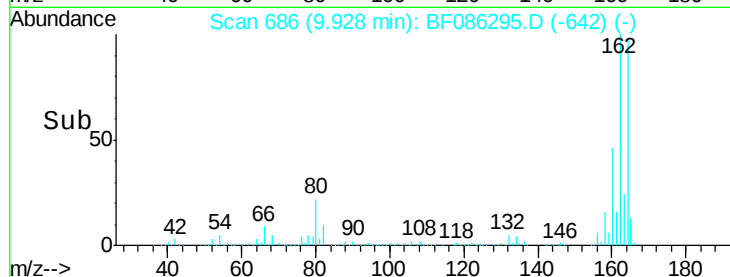
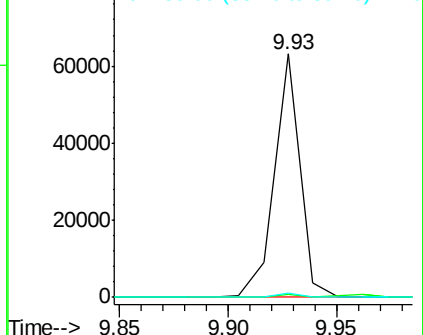
89 2.0 39.8 59.6#



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



#56

2,4-Dinitrotoluene

Concen: 6.27 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.19 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Tgt Ion:165 Resp: 52373

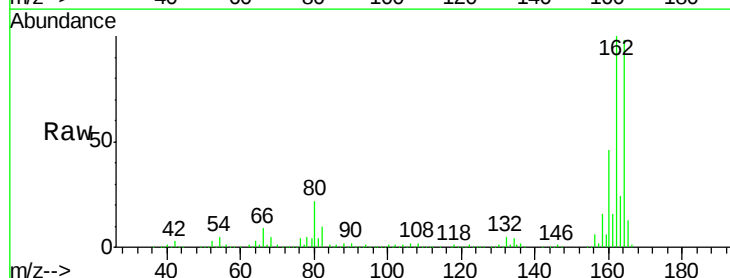
Ion Ratio Lower Upper

165 100

63 1.3 26.6 40.0#

89 2.0 49.5 74.3#

182 0.0 1.9 2.9#

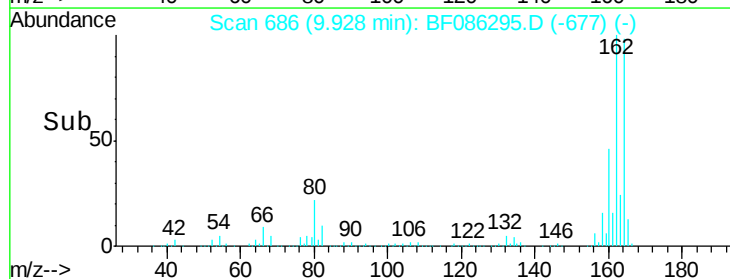
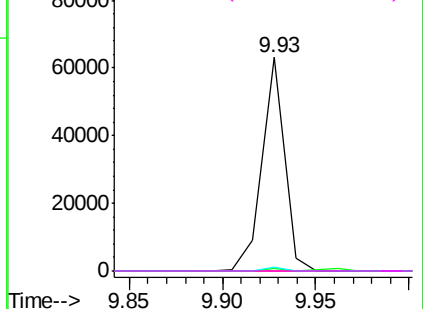


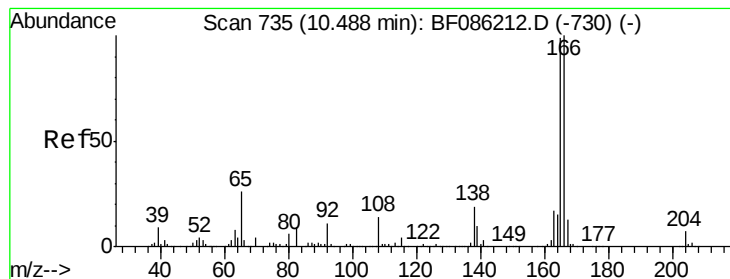
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

ClientSampleId :

SP-1-B(0-2)

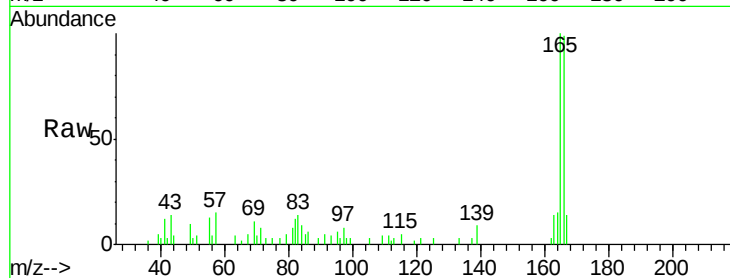
Tgt Ion:166 Resp: 19638

Ion Ratio Lower Upper

166 100

165 100.8 78.6 117.8

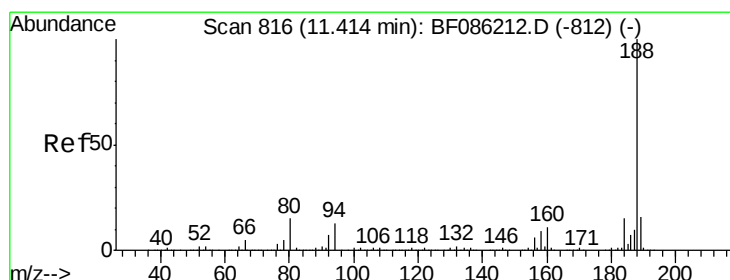
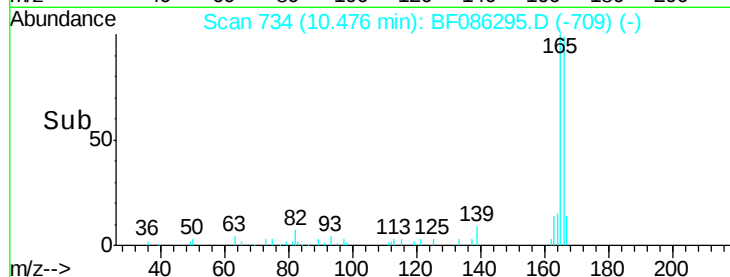
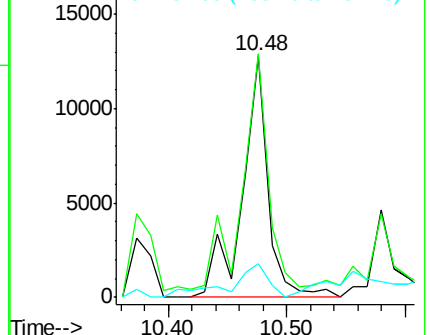
167 13.9 10.4 15.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

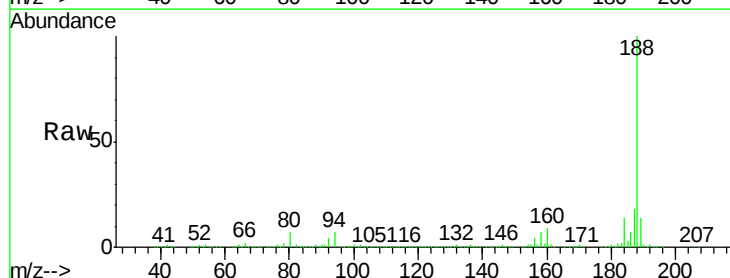
Tgt Ion:188 Resp: 665384

Ion Ratio Lower Upper

188 100

94 7.4 9.8 14.8#

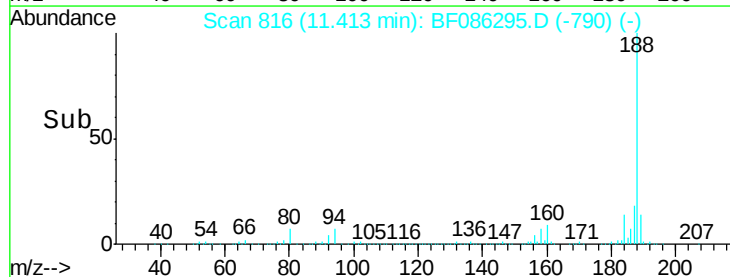
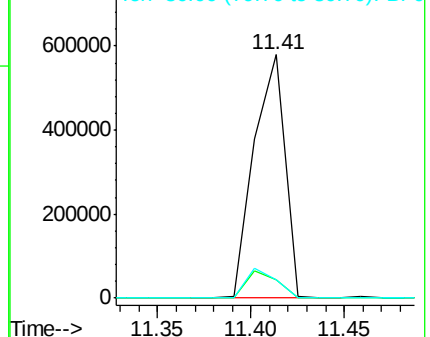
80 7.5 10.5 15.7#

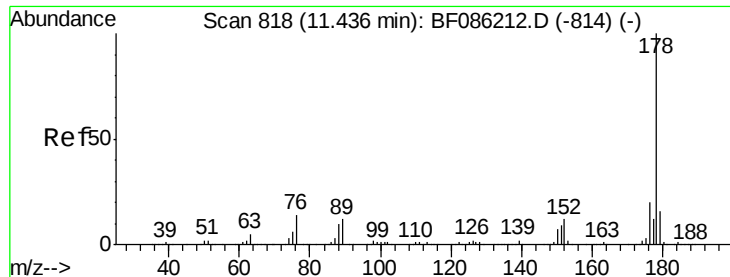


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

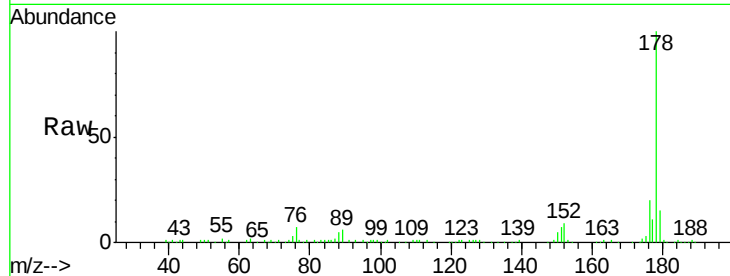




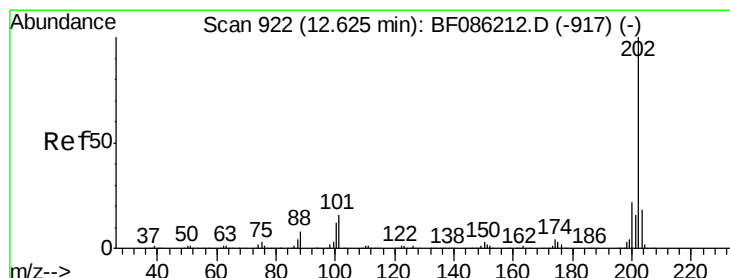
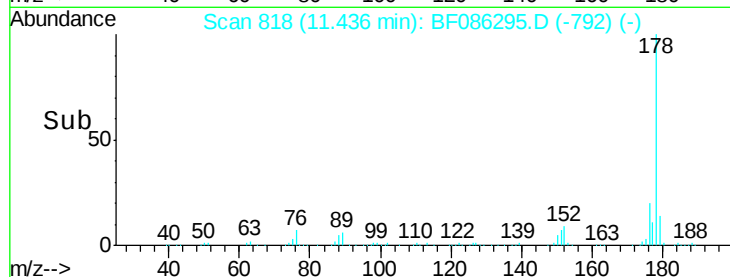
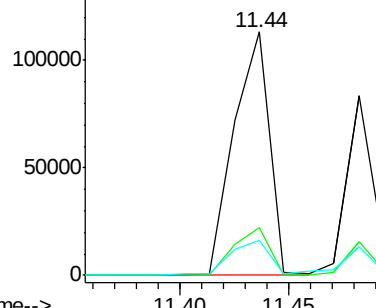
#70
Phenanthrene
Concen: 4.06 ng
RT: 11.44 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Instrument :
BNA_F
ClientSampleId :
SP-1-B(0-2)

Tgt Ion:178 Resp: 129155
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 14.6 13.0 19.6

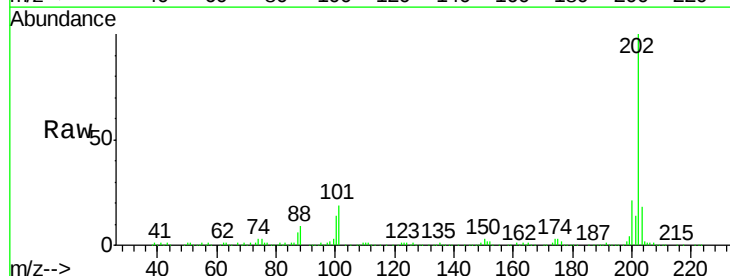


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

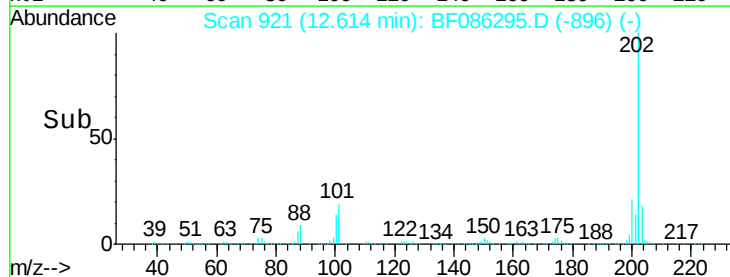
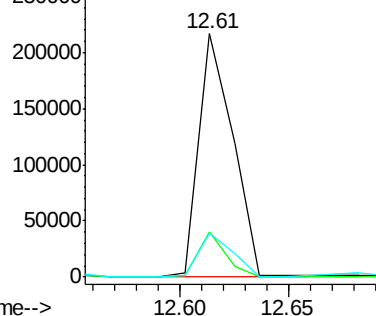


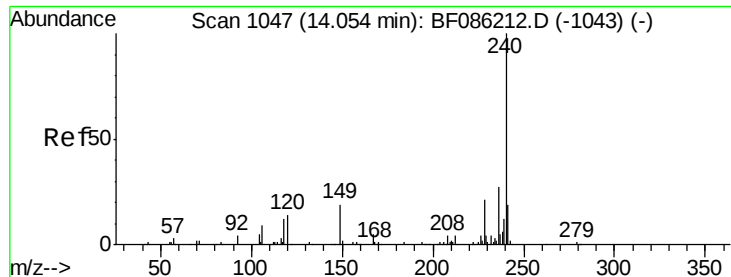
#74
Fluoranthene
Concen: 3.34 ng
RT: 12.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Tgt Ion:202 Resp: 233847
Ion Ratio Lower Upper
202 100
101 18.8 0.0 35.2
203 18.1 0.0 38.2



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: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

ClientSampleId :

SP-1-B(0-2)

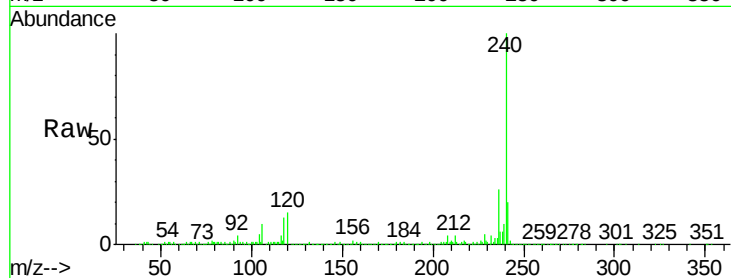
Tgt Ion:240 Resp: 519440

Ion Ratio Lower Upper

240 100

120 15.3 9.3 13.9#

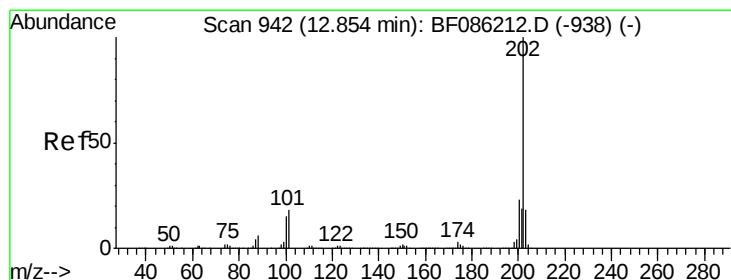
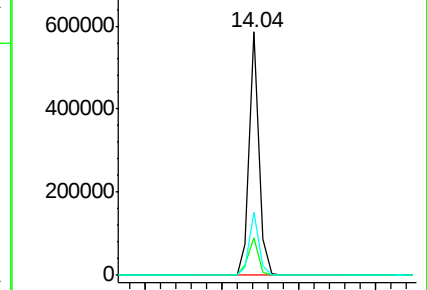
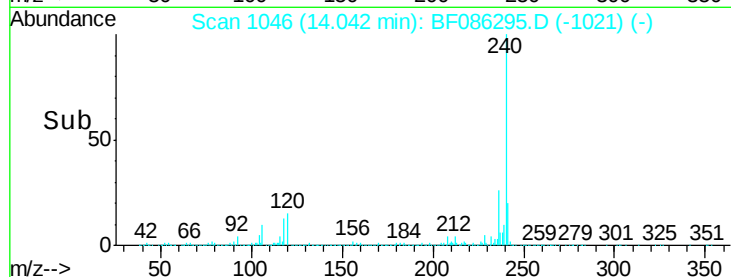
236 26.1 21.1 31.7



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: 6.29 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

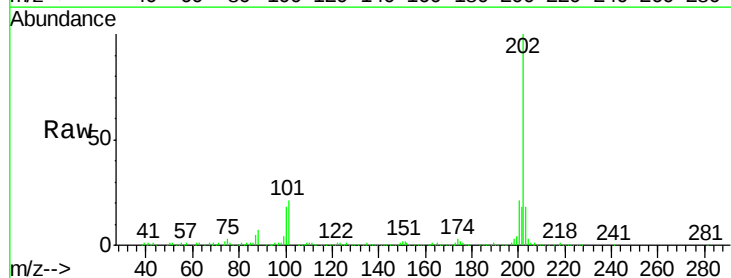
Tgt Ion:202 Resp: 250542

Ion Ratio Lower Upper

202 100

200 21.1 18.3 27.5

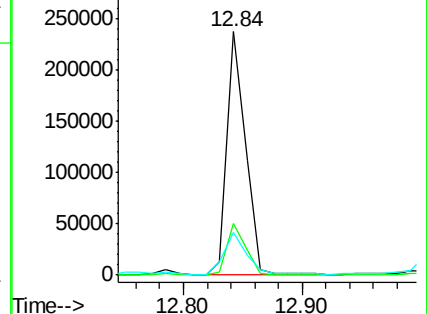
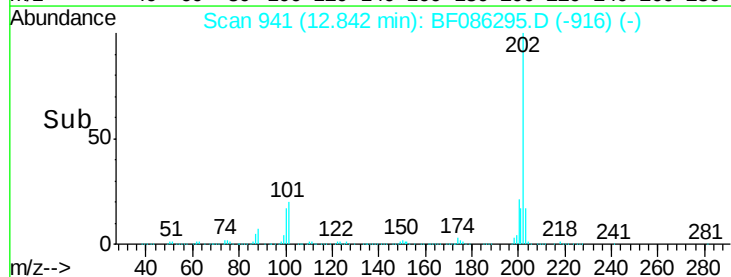
203 17.8 14.9 22.3

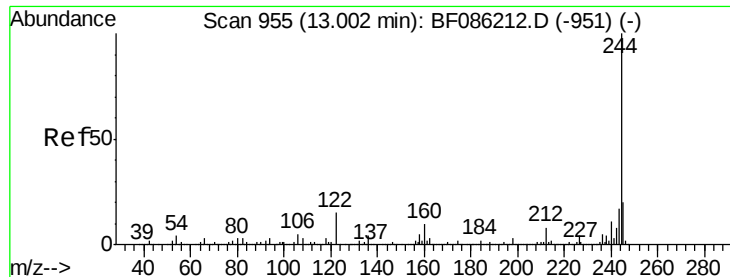


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 33.15 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

ClientSampleId :

SP-1-B(0-2)

Tgt Ion:244 Resp: 684850

Ion Ratio Lower Upper

244 100

212 7.7

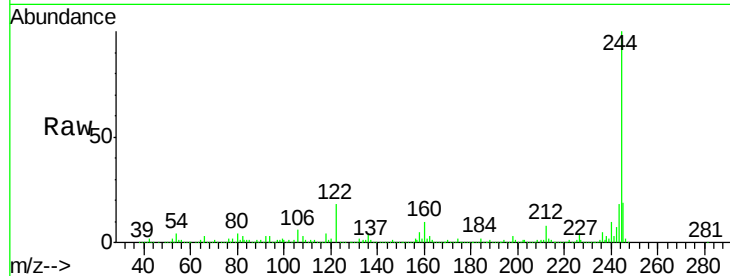
6.4

9.6

122 17.6

11.7

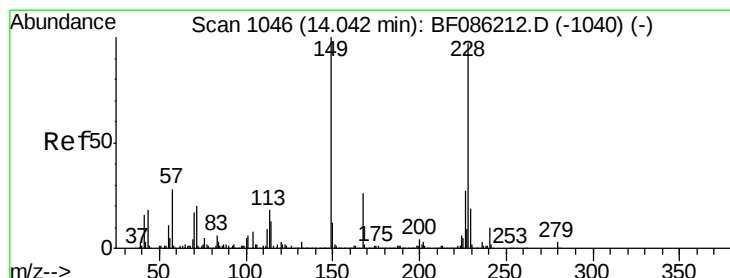
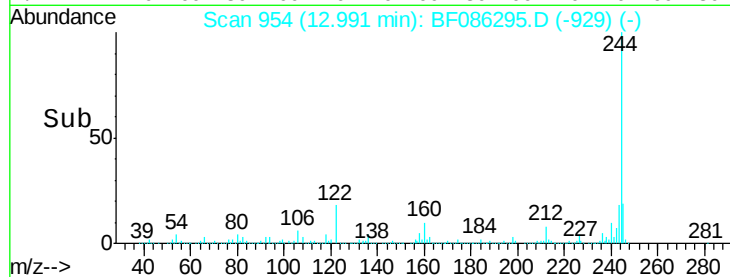
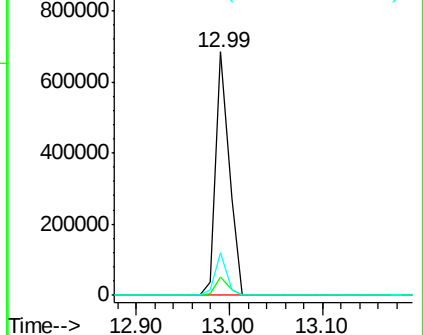
17.5#



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: 5.40 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF086295.D

Acq: 18 Apr 2016 21:32

Tgt Ion:228 Resp: 154043

Ion Ratio Lower Upper

228 100

226 33.5

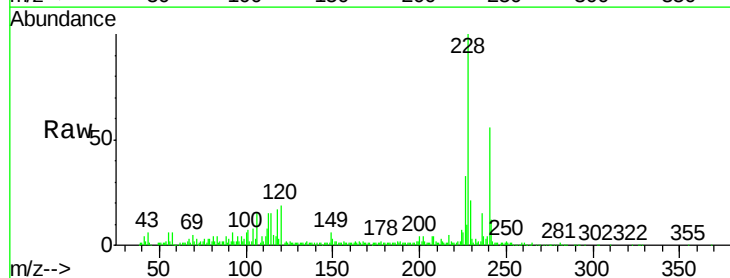
22.5

33.7

229 20.8

16.2

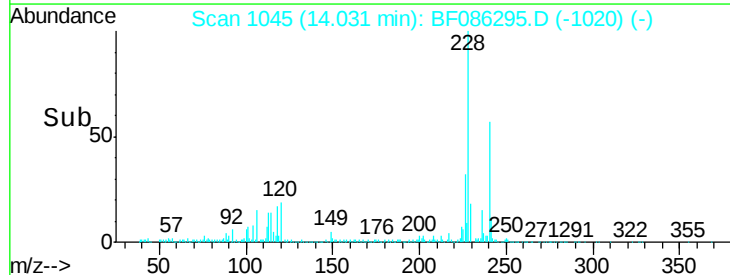
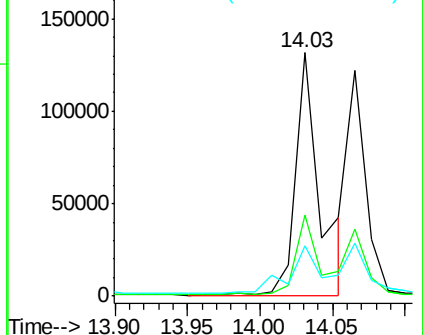
24.2

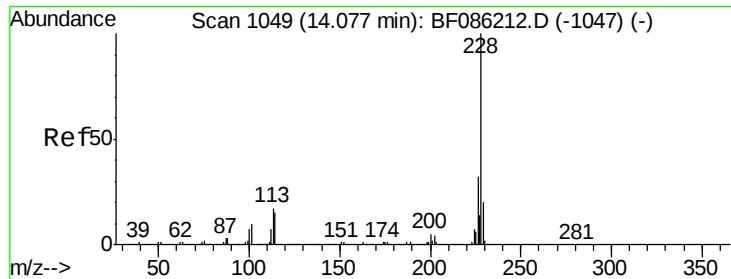


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

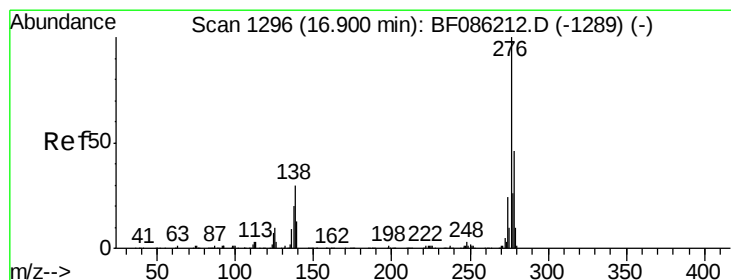
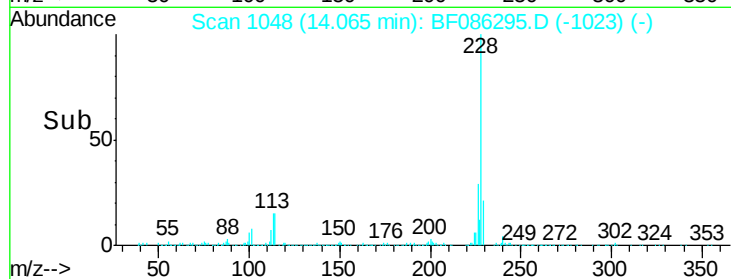
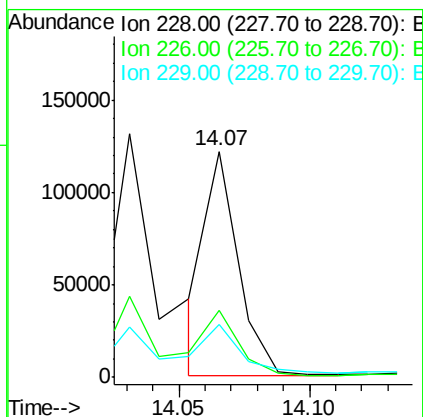
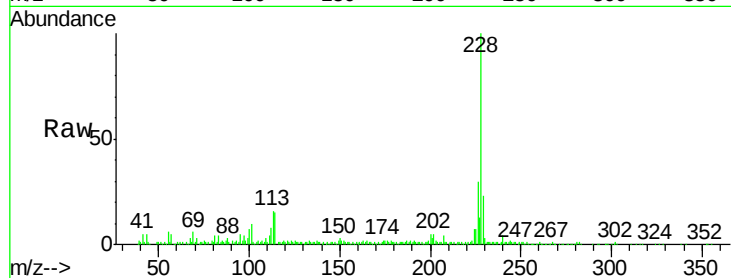




#82
Chrysene
Concen: 3.49 ng
RT: 14.07 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

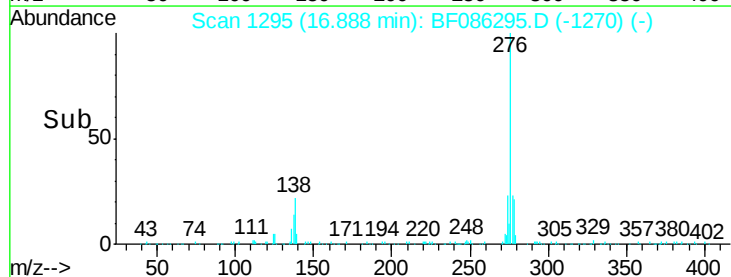
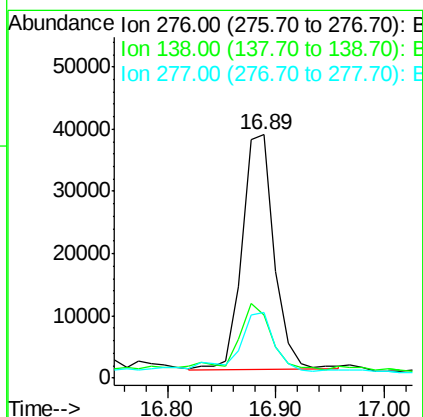
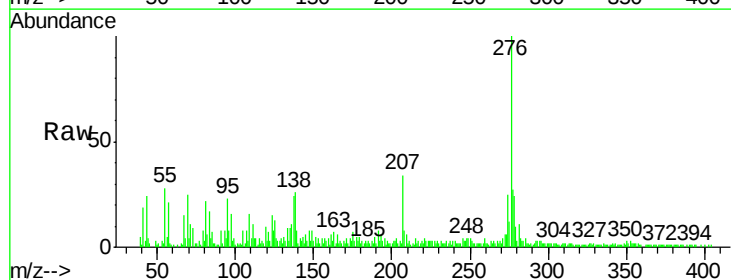
Instrument :
BNA_F
ClientSampleId :
SP-1-B(0-2)

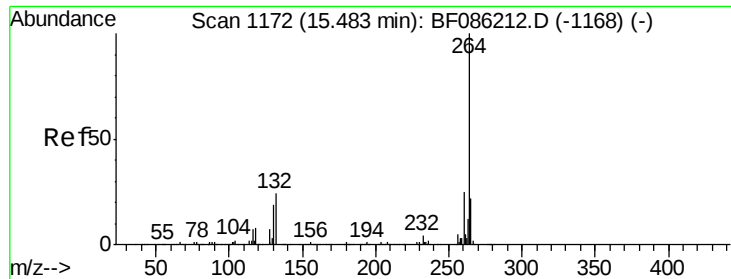
Tgt Ion: 228 Resp: 106184
Ion Ratio Lower Upper
228 100
226 29.5 25.4 38.2
229 23.4 16.5 24.7



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.07 ng
RT: 16.89 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Tgt Ion: 276 Resp: 76616
Ion Ratio Lower Upper
276 100
138 31.2 23.8 35.6
277 28.1 20.2 30.2



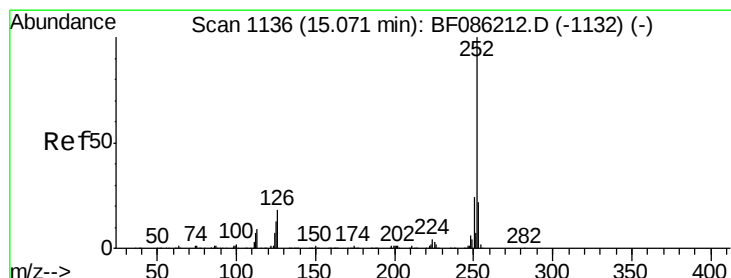
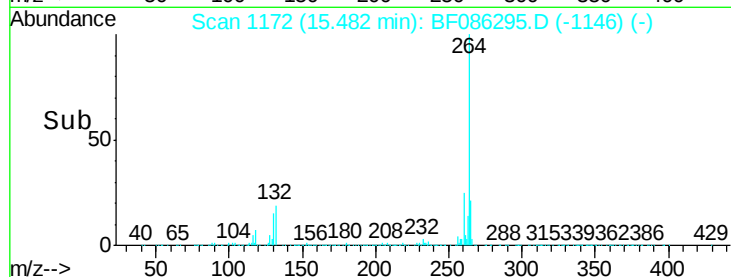
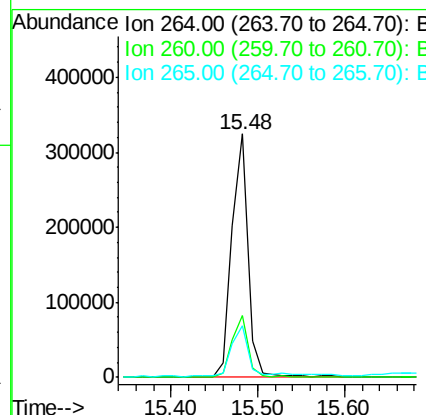
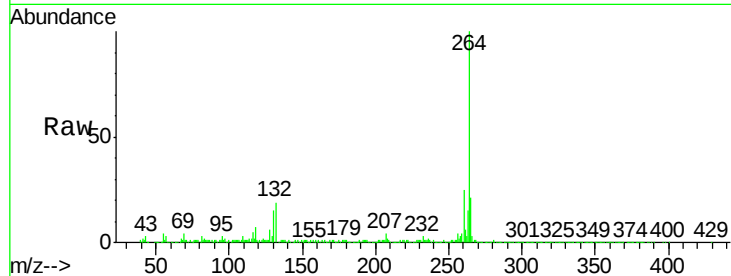


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Instrument :
BNA_F
ClientSampleId :
SP-1-B(0-2)

Tgt Ion: 264 Resp: 416406

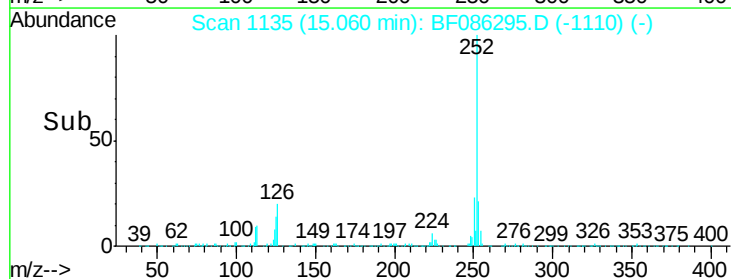
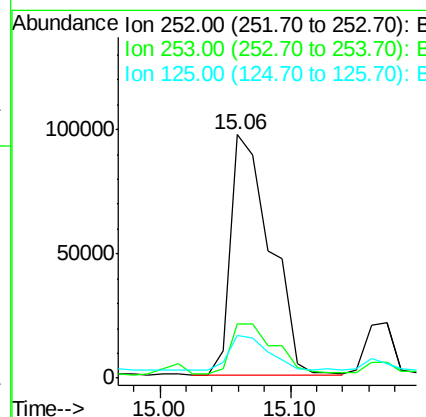
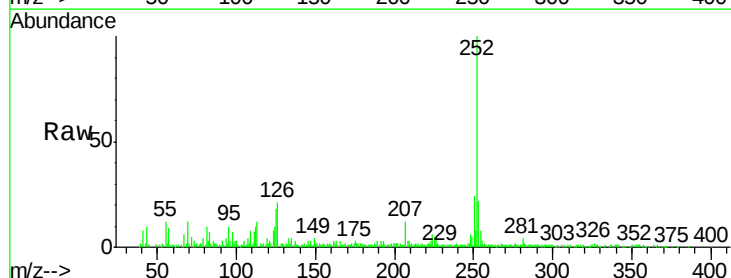
Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.0	30.0
265	21.2	17.4	26.0

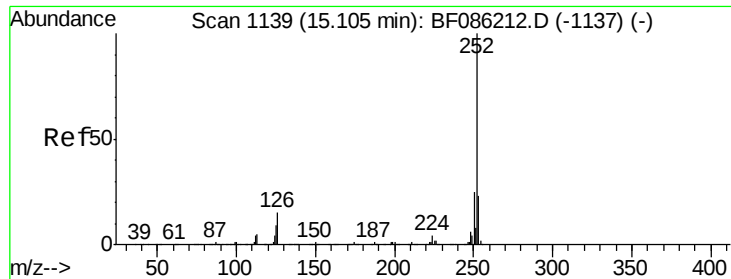


#87
Benzo(b)fluoranthene
Concen: 8.00 ng
RT: 15.06 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Tgt Ion: 252 Resp: 205494

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	17.6	10.3	15.5

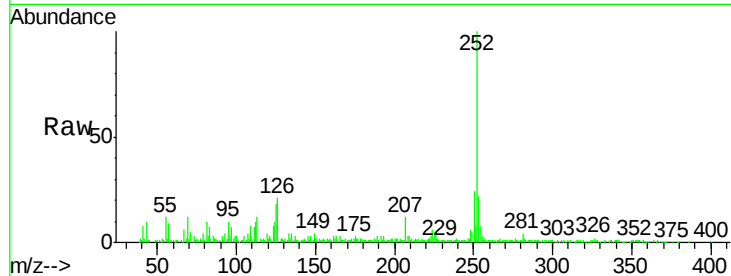




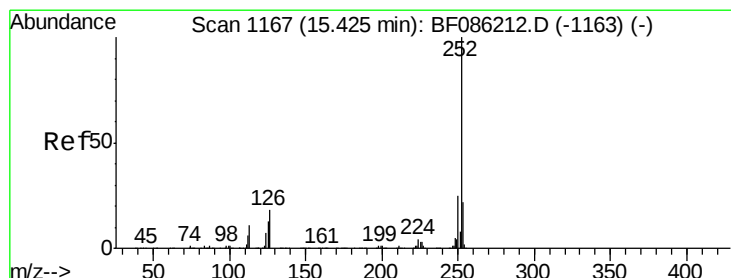
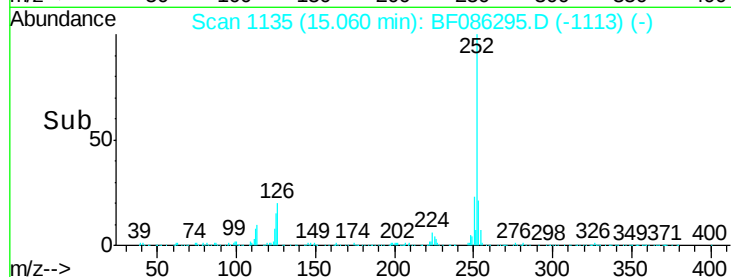
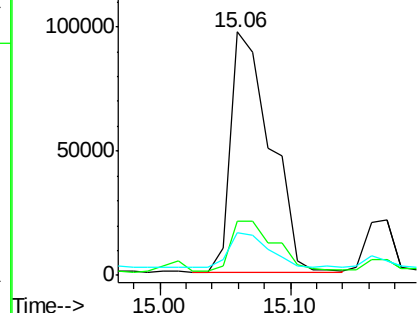
#88
Benzo(k)fluoranthene
Concen: 8.77 ng
RT: 15.06 min Scan# 1135
Delta R.T. -0.05 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Instrument :
BNA_F
ClientSampled :
SP-1-B(0-2)

Tgt Ion: 252 Resp: 205494
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 17.6 7.8 11.6#

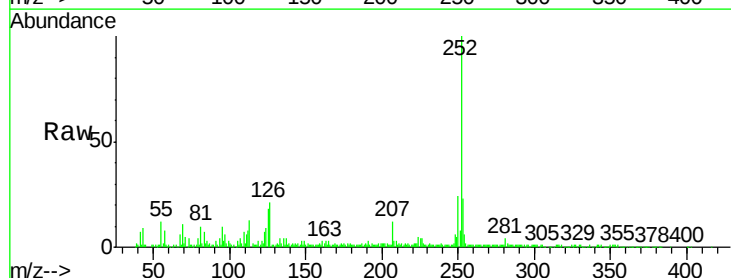


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

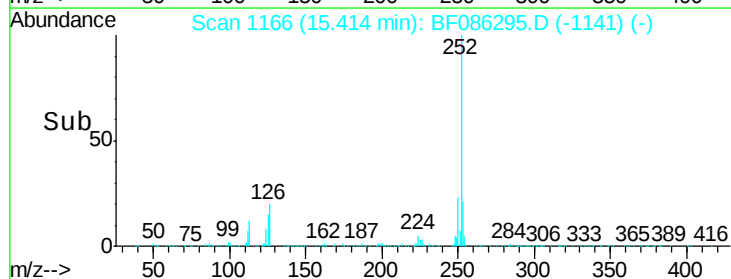
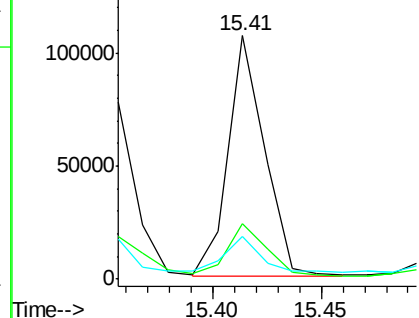


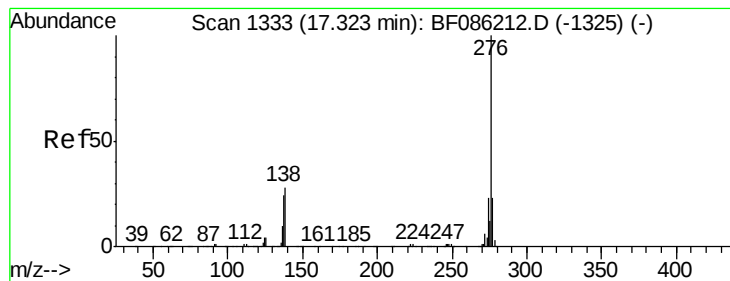
#89
Benzo(a)pyrene
Concen: 5.61 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF086295.D
Acq: 18 Apr 2016 21:32

Tgt Ion: 252 Resp: 124928
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 17.8 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





#91

Benzo(g,h,i)perylene

Concen: 4.33 ng

RT: 17.31 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF086295.D

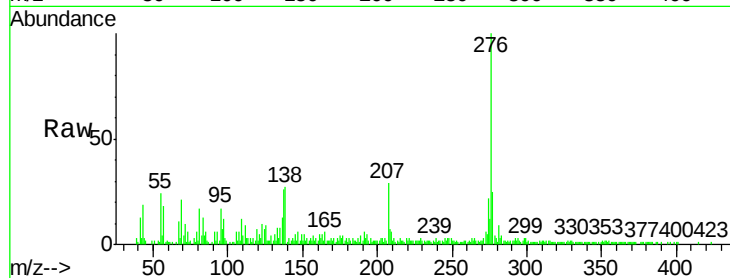
Acq: 18 Apr 2016 21:32

Instrument :

BNA_F

ClientSampleId :

SP-1-B(0-2)



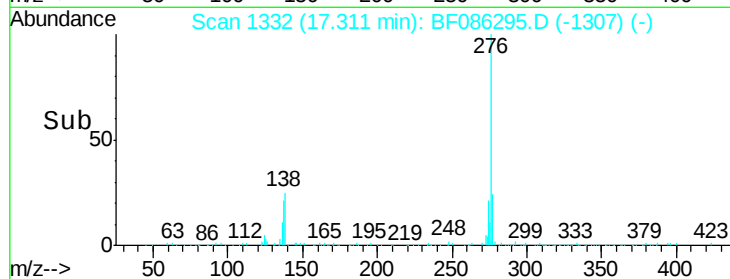
Tgt Ion: 276 Resp: 90441

Ion Ratio Lower Upper

276 100

277 24.9 19.0 28.6

138 26.5 19.6 29.4



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

