

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
 Data File : BF086296.D
 Acq On : 18 Apr 2016 22:00
 Operator : UM/SJ
 Sample : H2413-13 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Apr 19 00:56:07 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	297402	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1098483	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	430394	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	700460	20.00	ng	0.00
75) Chrysene-d12	14.04	240	488069	20.00	ng	-0.01
86) Perylene-d12	15.48	264	392888	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	442104	24.36	ng	-0.01
7) Phenol-d6	6.51	99	545678	24.03	ng	-0.01
23) Nitrobenzene-d5	7.45	82	315909	16.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	73924	21.39	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	480865	20.62	ng	-0.01
78) Terphenyl-d14	12.99	244	314891	16.22	ng	-0.01

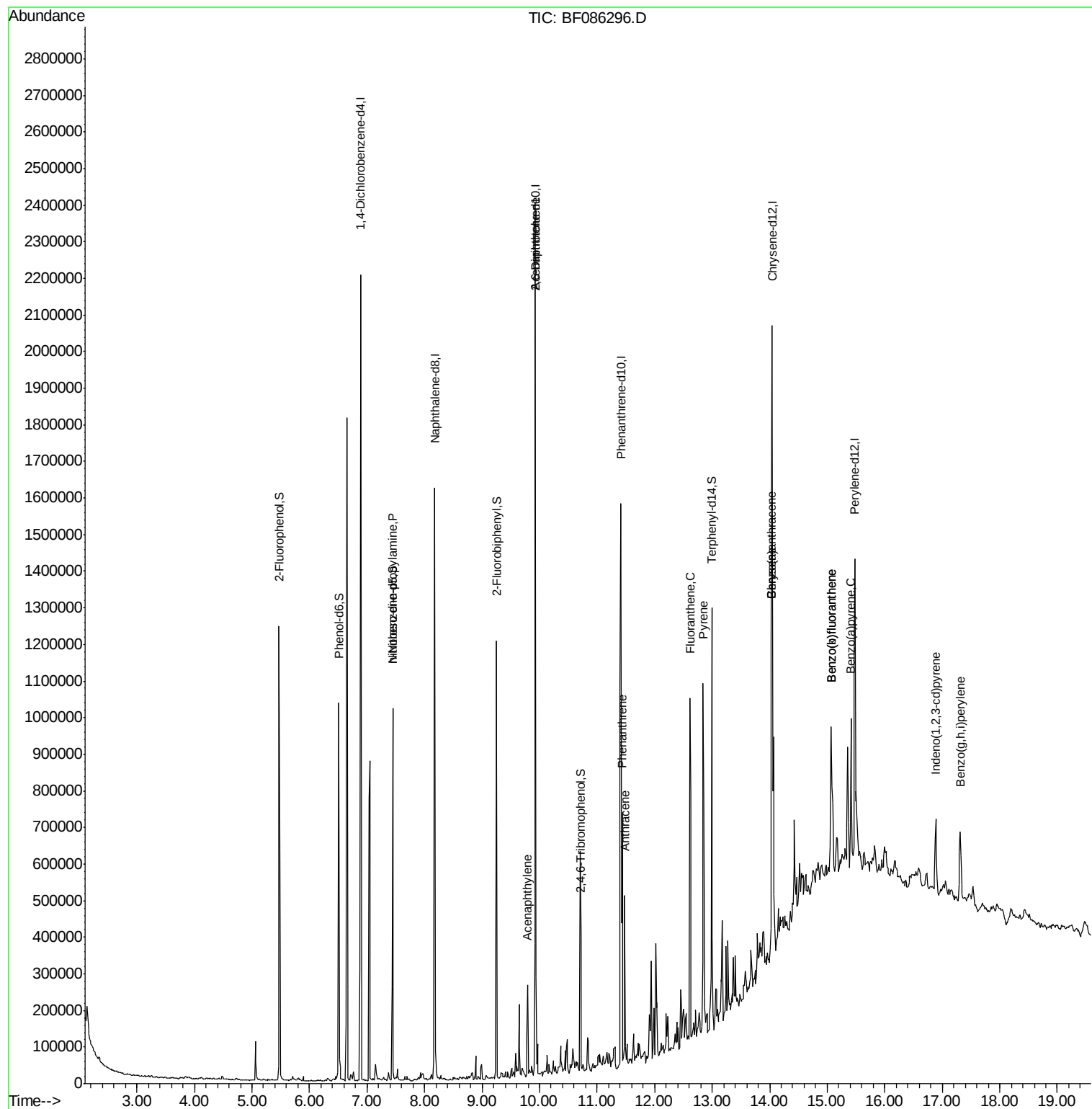
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	42518	2.93	ng	# 70
22) Acetophenone	7.30	105	1300	Below	Cal	# 30
48) Acenaphthylene	9.79	152	117257	2.91	ng	96
50) 2,6-Dinitrotoluene	9.93	165	55567	8.02	ng	# 32
57) Fluorene	10.48	166	41589	Below	Cal	94
70) Phenanthrene	11.44	178	304618	9.10	ng	97
71) Anthracene	11.48	178	165072	3.21	ng	96
74) Fluoranthene	12.61	202	464623	12.01	ng	93
77) Pyrene	12.84	202	486256	12.99	ng	98
80) Benzo(a)anthracene	14.03	228	276181	10.31	ng	# 93
82) Chrysene	14.03	228	276181	9.67	ng	97
85) Indeno(1,2,3-cd)pyrene	16.89	276	125590	5.35	ng	97
87) Benzo(b)fluoranthene	15.07	252	335273	13.83	ng	# 95
88) Benzo(k)fluoranthene	15.07	252	335273	15.17	ng	# 92
89) Benzo(a)pyrene	15.41	252	205941	9.81	ng	# 95
91) Benzo(g,h,i)perylene	17.31	276	160618	8.14	ng	# 94

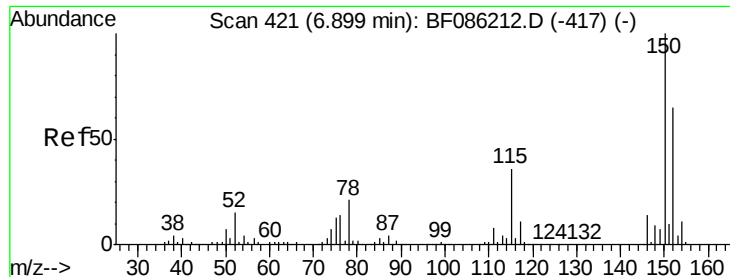
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086296.D

Acq: 18 Apr 2016 22:00

Instrument :

BNA_F

ClientSampleId :

SP-1-C(0-2)

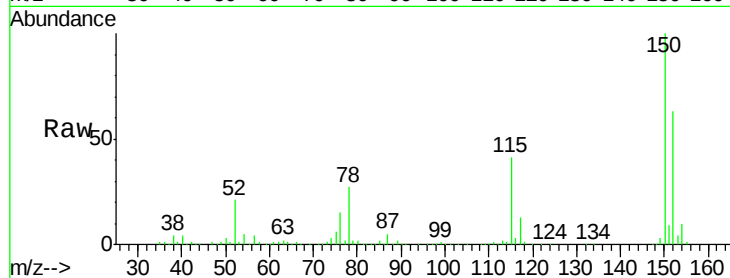
Tgt Ion:152 Resp: 297402

Ion Ratio Lower Upper

152 100

150 158.0 124.1 186.1

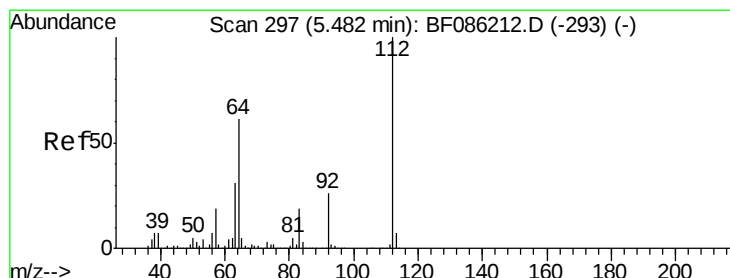
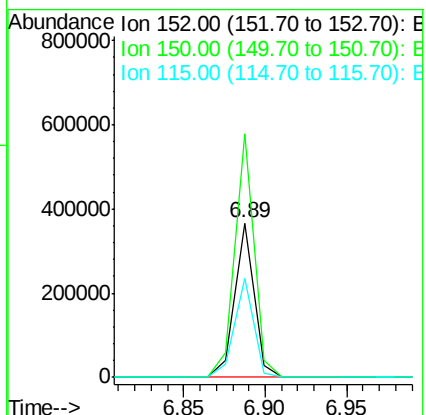
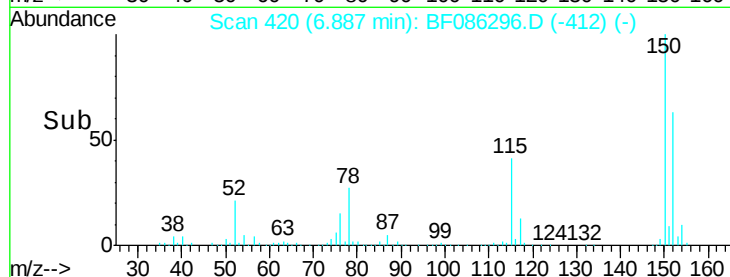
115 64.2 43.9 65.9



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: 24.36 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

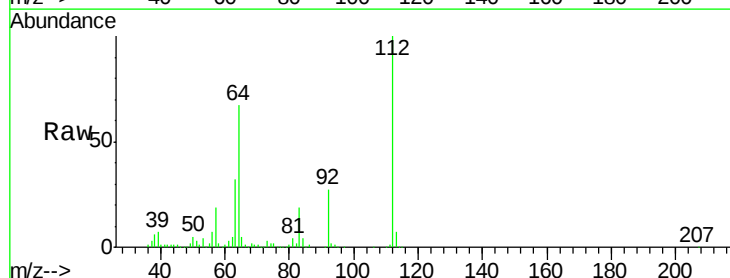
Tgt Ion:112 Resp: 442104

Ion Ratio Lower Upper

112 100

64 66.9 48.1 72.1

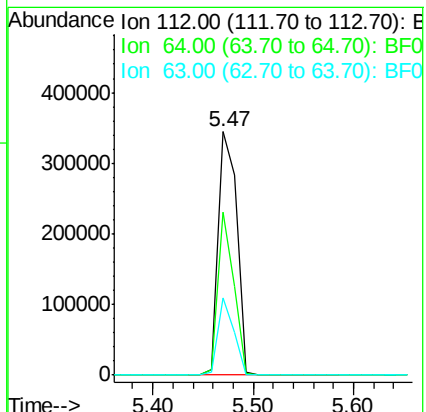
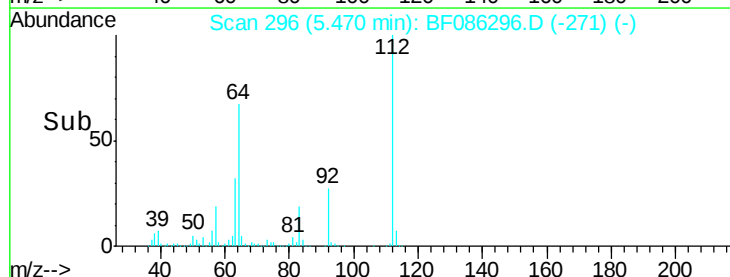
63 31.6 25.5 38.3

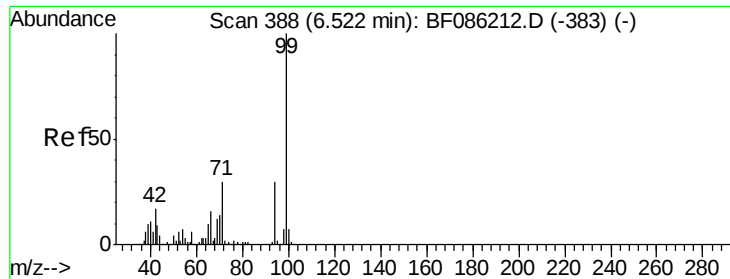


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.03 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Instrument :

BNA_F

ClientSampleId :

SP-1-C(0-2)

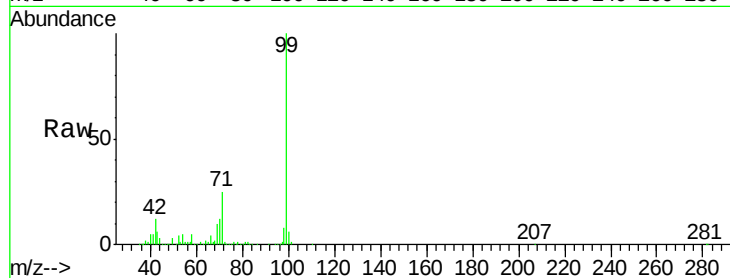
Tgt Ion: 99 Resp: 545678

Ion Ratio Lower Upper

99 100

42 11.9 15.4 23.2#

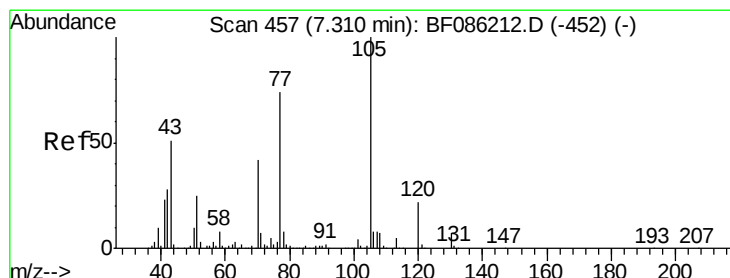
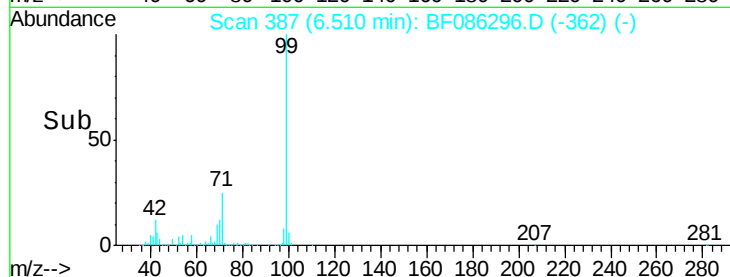
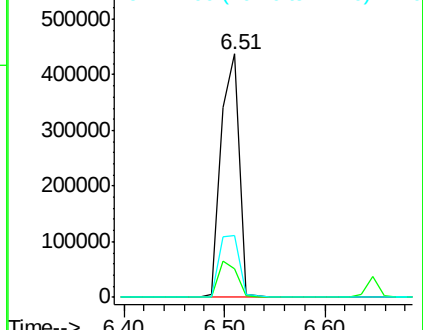
71 25.2 25.6 38.4#



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: 2.93 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.14 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Tgt Ion: 70 Resp: 42518

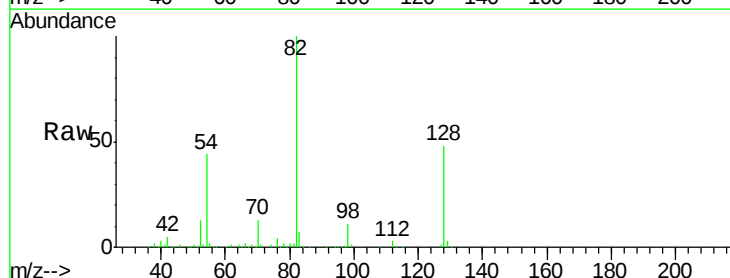
Ion Ratio Lower Upper

70 100

42 37.0 43.0 64.4#

101 0.0 8.1 12.1#

130 3.0 20.1 30.1#

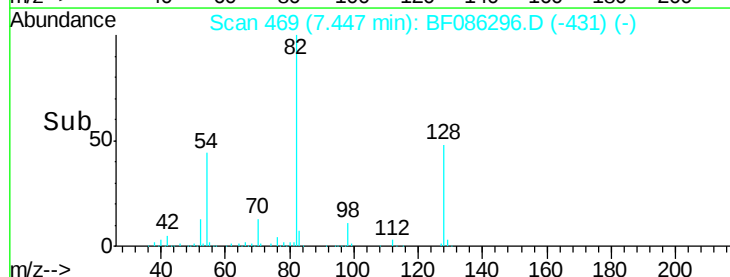
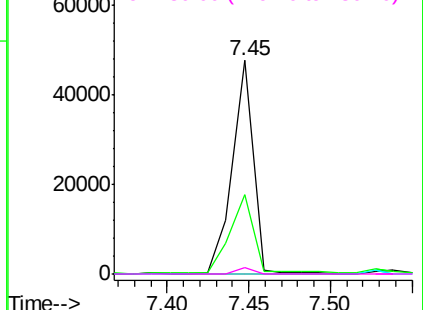


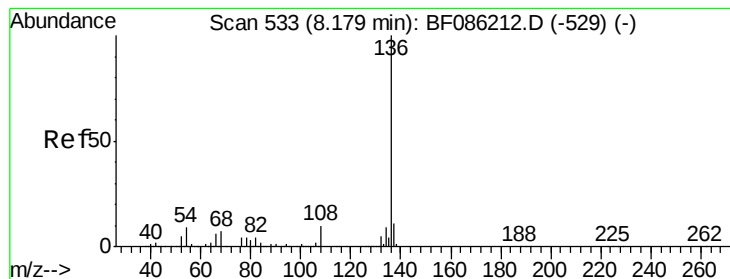
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF086296.D

Acq: 18 Apr 2016 22:00

Instrument :

BNA_F

ClientSampleId :

SP-1-C(0-2)

Tgt Ion:136 Resp: 1098483

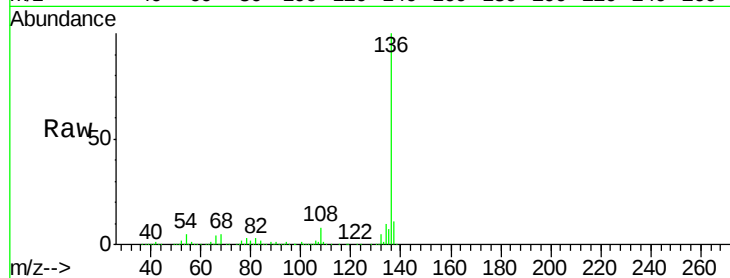
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.3 7.3 10.9#

68 4.8 5.7 8.5#

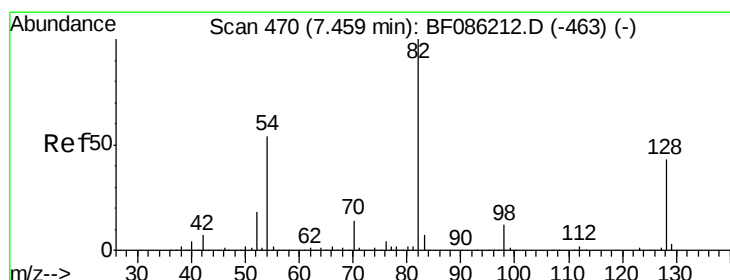
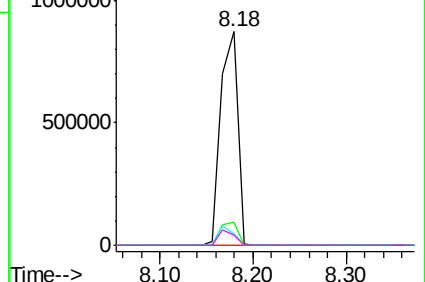
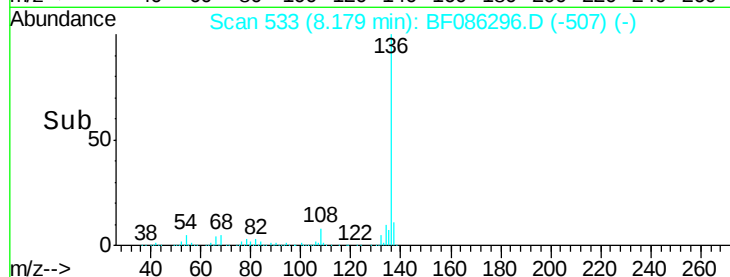


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.59 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

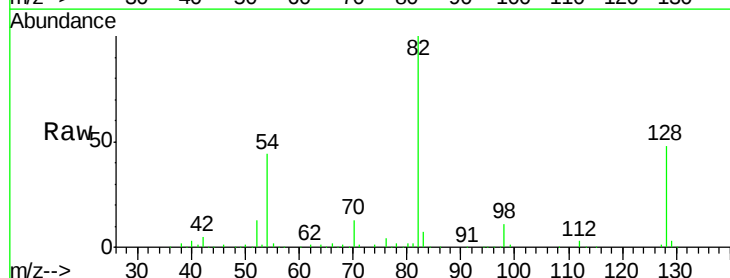
Tgt Ion: 82 Resp: 315909

Ion Ratio Lower Upper

82 100

128 48.2 35.4 53.2

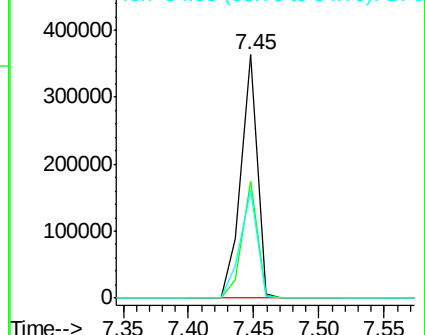
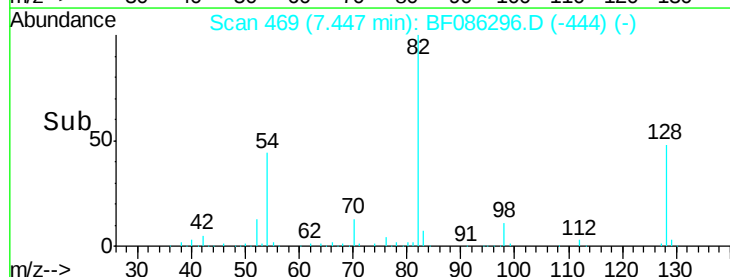
54 44.1 43.4 65.0

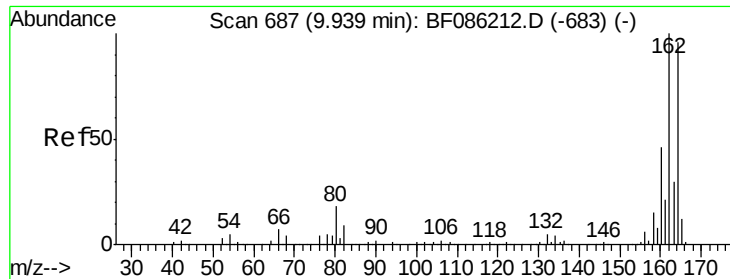


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

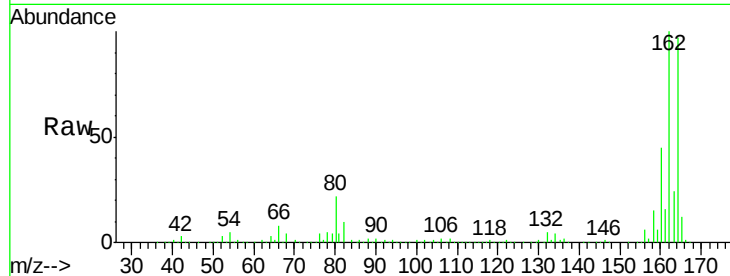




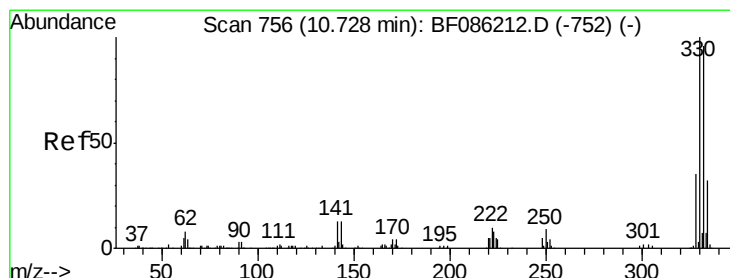
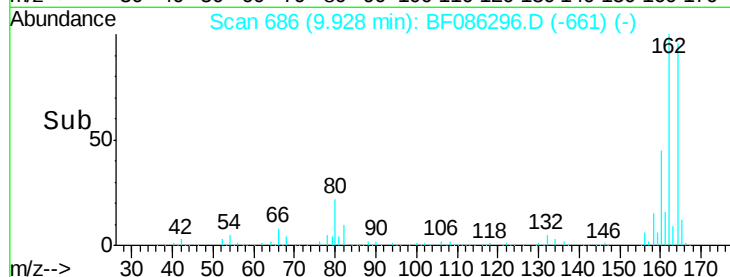
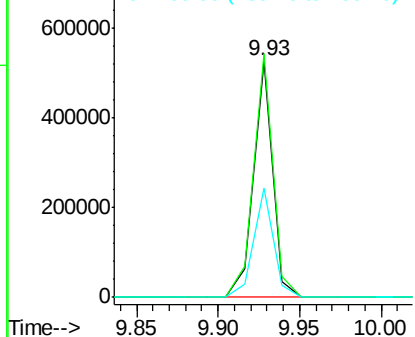
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

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

Tgt Ion:164 Resp: 430394
Ion Ratio Lower Upper
164 100
162 103.1 82.8 124.2
160 46.5 38.9 58.3

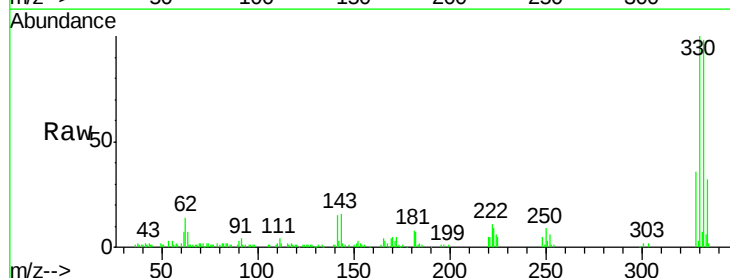


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

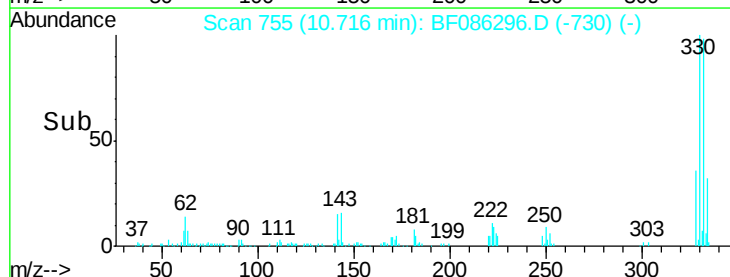
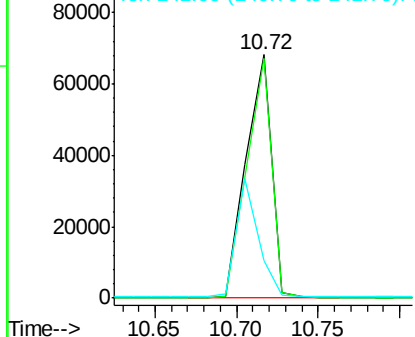


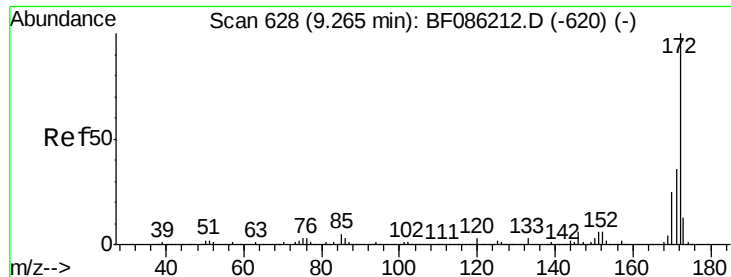
#41
2,4,6-Tribromophenol
Concen: 21.39 ng
RT: 10.72 min Scan# 755
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:330 Resp: 73924
Ion Ratio Lower Upper
330 100
332 95.6 78.7 118.1
141 42.2 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

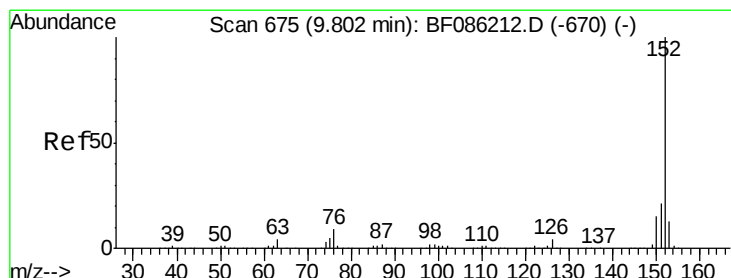
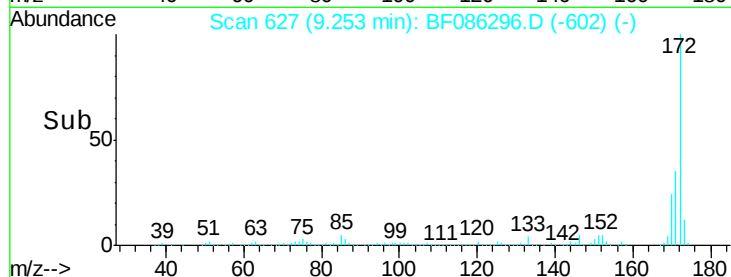
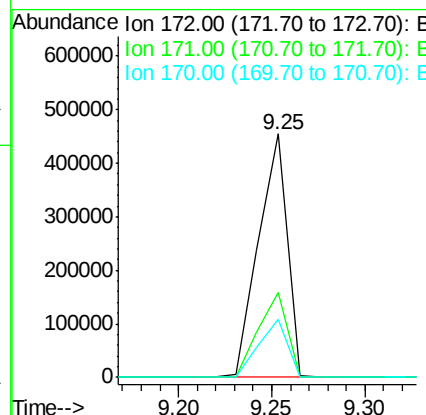
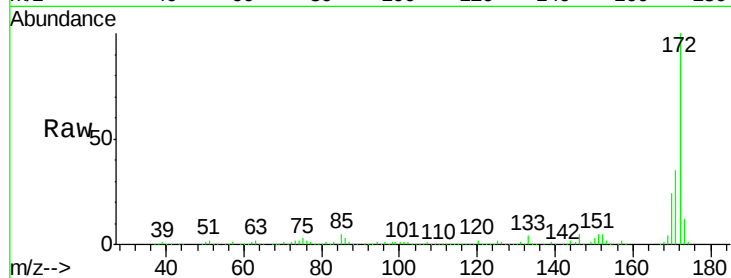




#44
 2-Fluorobiphenyl
 Concen: 20.62 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086296.D
 Acq: 18 Apr 2016 22:00

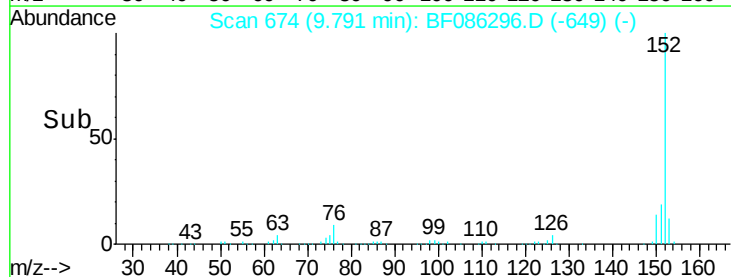
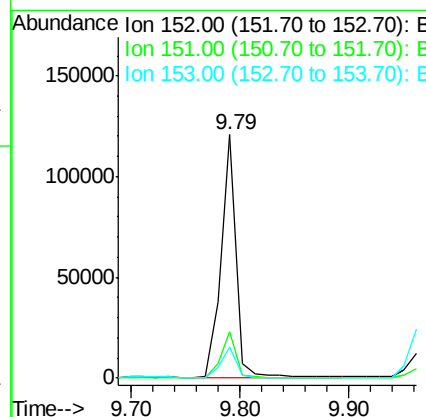
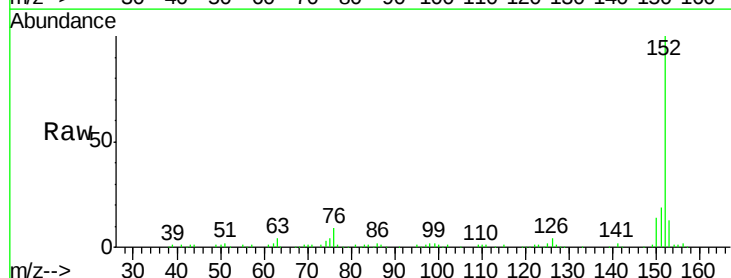
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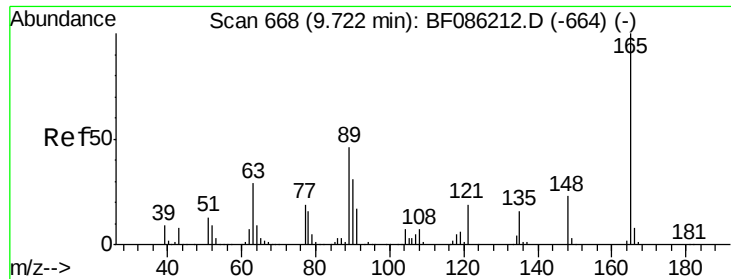
Tgt Ion:172 Resp: 480865
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.1 43.7
 170 24.0 19.9 29.9



#48
 Acenaphthylene
 Concen: 2.91 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF086296.D
 Acq: 18 Apr 2016 22:00

Tgt Ion:152 Resp: 117257
 Ion Ratio Lower Upper
 152 100
 151 19.2 17.2 25.8
 153 12.7 10.7 16.1

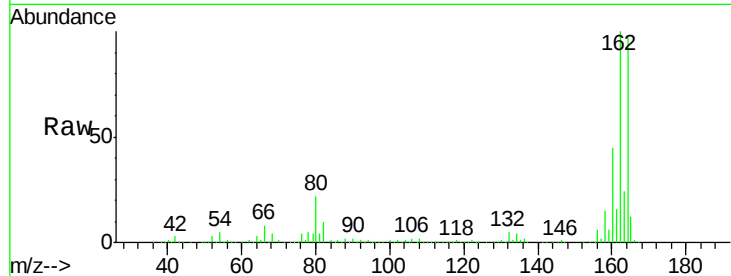




#50
 2,6-Dinitrotoluene
 Concen: 8.02 ng
 RT: 9.93 min Scan# 686
 Delta R.T. 0.21 min
 Lab File: BF086296.D
 Acq: 18 Apr 2016 22:00

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

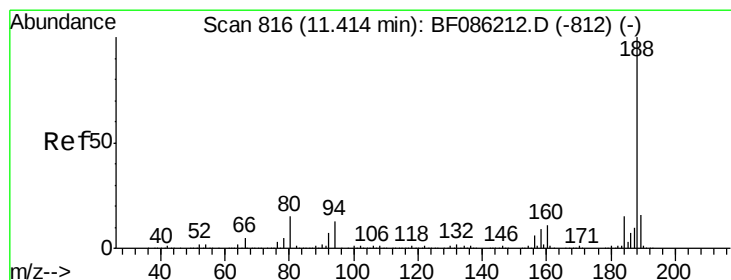
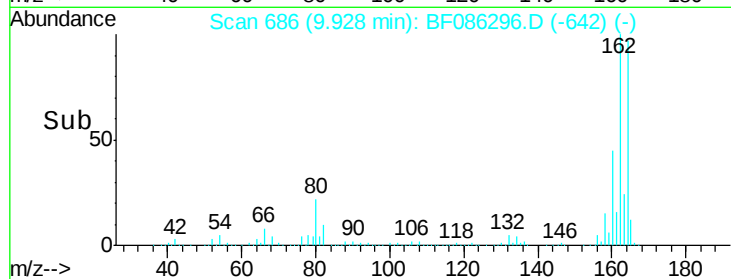
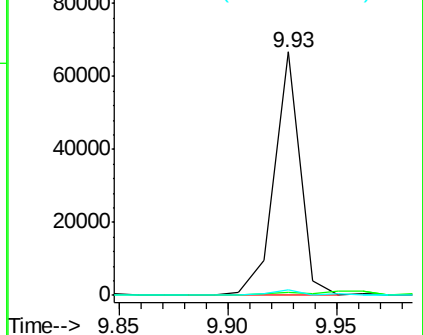
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	35.1	52.7#
89	2.0	39.8	59.6#



Abundance Ion 165.00 (164.70 to 165.70): E

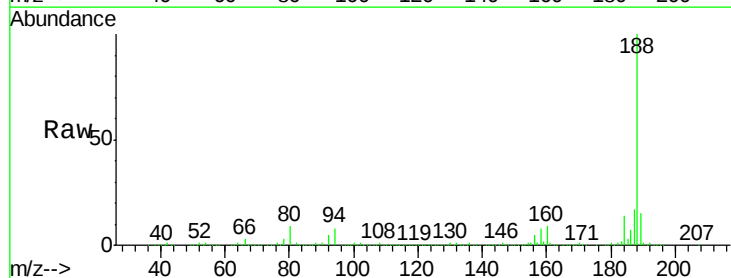
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF086296.D
 Acq: 18 Apr 2016 22:00

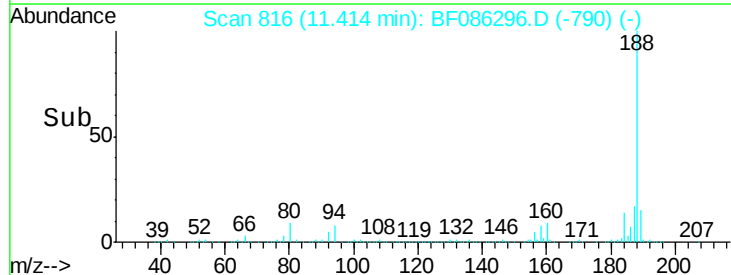
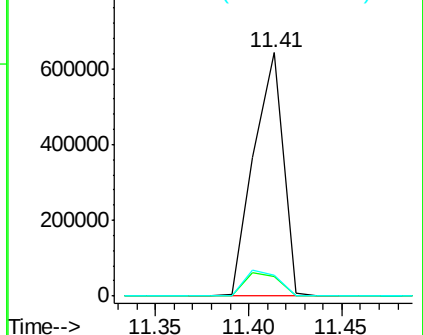
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	9.8	14.8#
80	8.7	10.5	15.7#

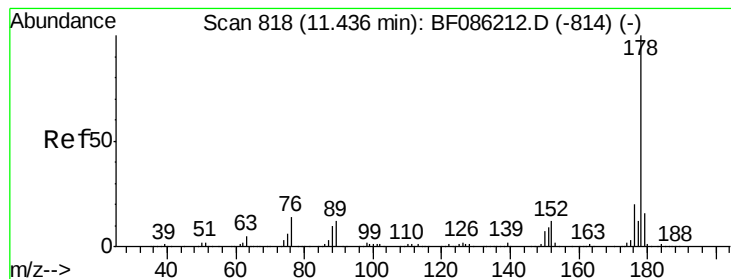


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 9.10 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Instrument :

BNA_F

ClientSampleId :

SP-1-C(0-2)

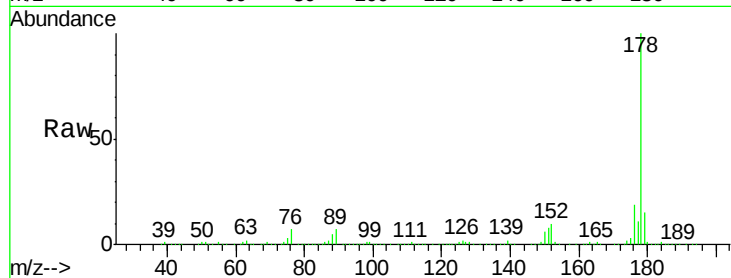
Tgt Ion:178 Resp: 304618

Ion Ratio Lower Upper

178 100

176 19.2 16.3 24.5

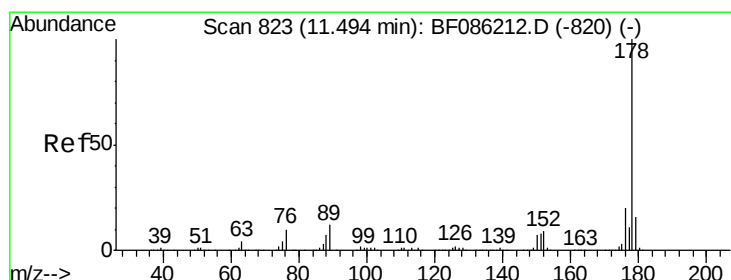
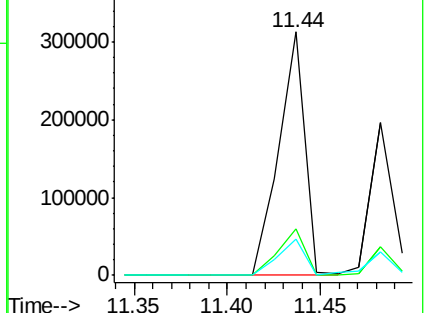
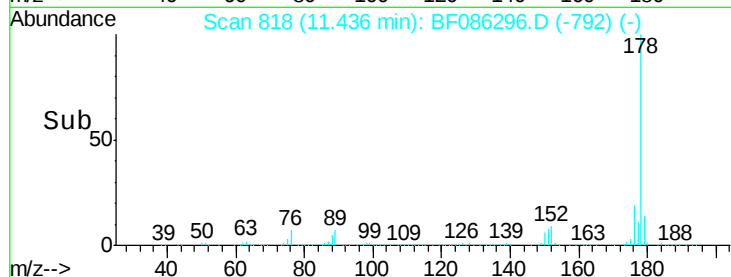
179 14.7 13.0 19.6



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



#71

Anthracene

Concen: 3.21 ng

RT: 11.48 min Scan# 822

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

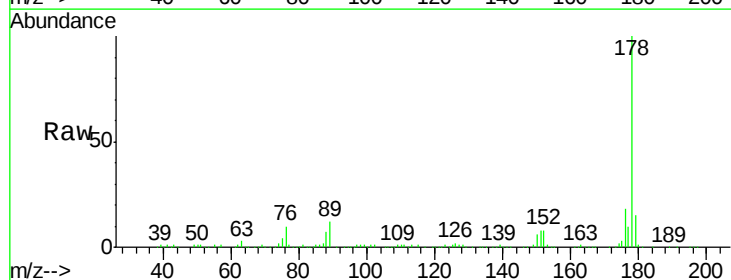
Tgt Ion:178 Resp: 165072

Ion Ratio Lower Upper

178 100

176 18.4 16.2 24.4

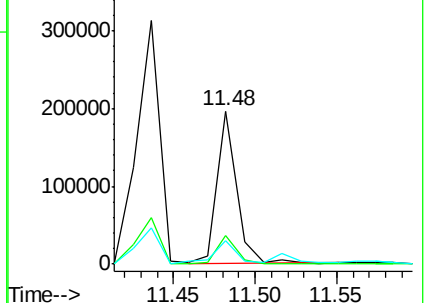
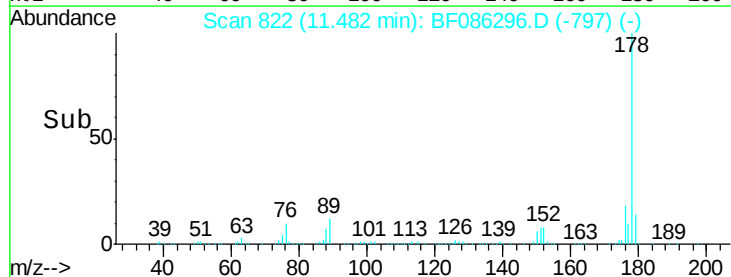
179 14.9 13.2 19.8

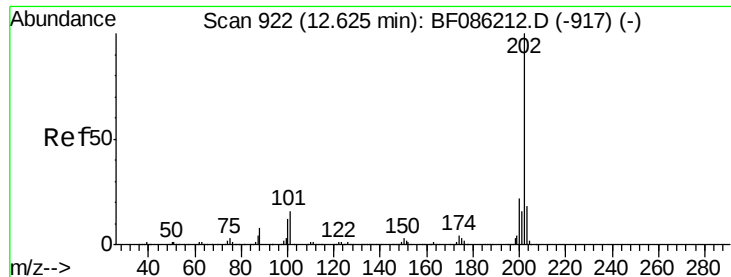


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 12.01 ng

RT: 12.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Instrument :

BNA_F

ClientSampleId :

SP-1-C(0-2)

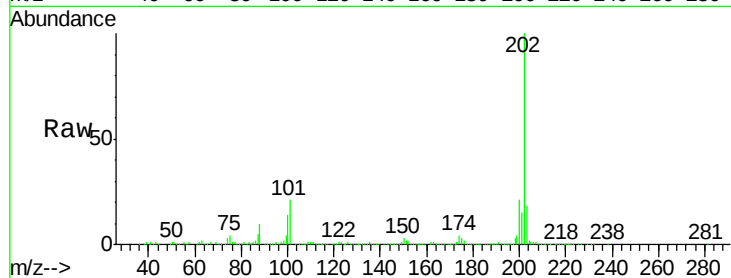
Tgt Ion:202 Resp: 464623

Ion Ratio Lower Upper

202 100

101 20.7 0.0 35.2

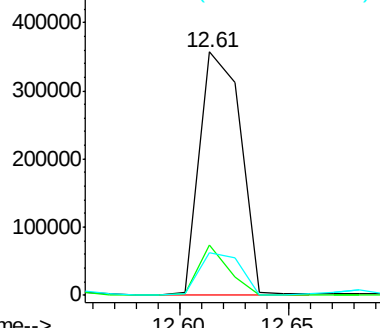
203 17.5 0.0 38.2



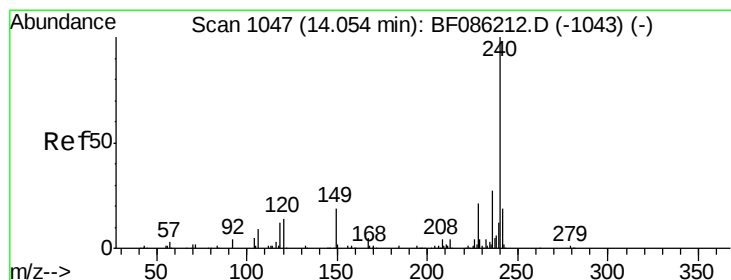
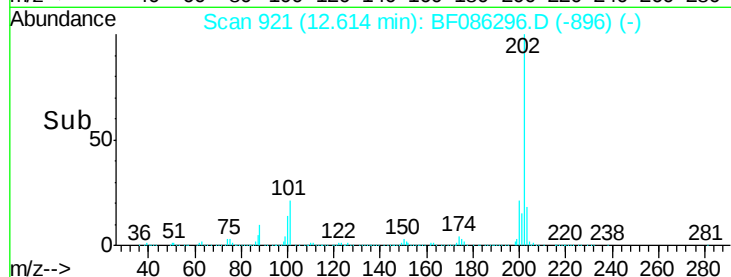
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

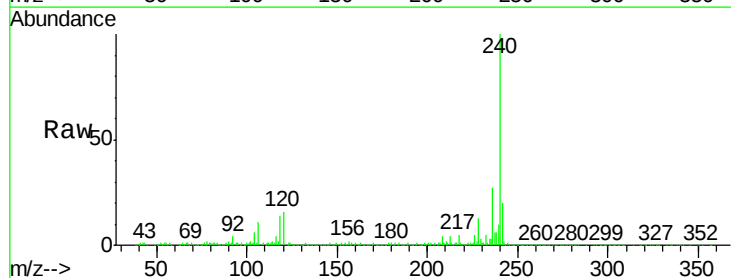
Tgt Ion:240 Resp: 488069

Ion Ratio Lower Upper

240 100

120 15.5 9.3 13.9#

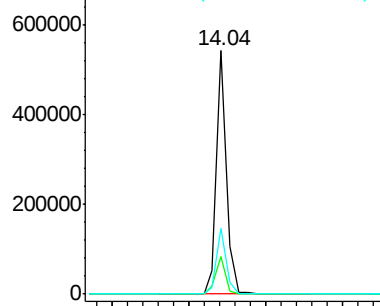
236 26.8 21.1 31.7



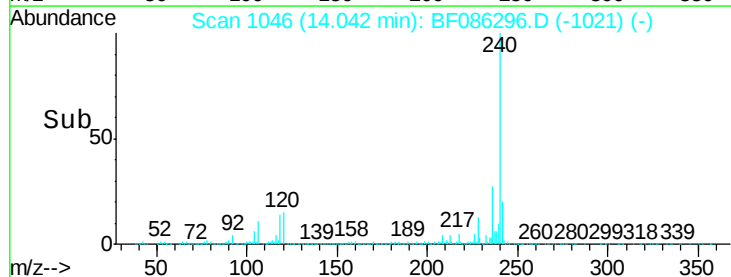
Abundance Ion 240.00 (239.70 to 240.70): E

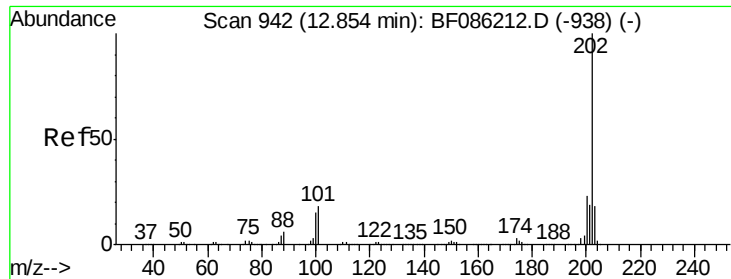
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pyrene

Concen: 12.99 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Instrument :

BNA_F

ClientSampleId :

SP-1-C(0-2)

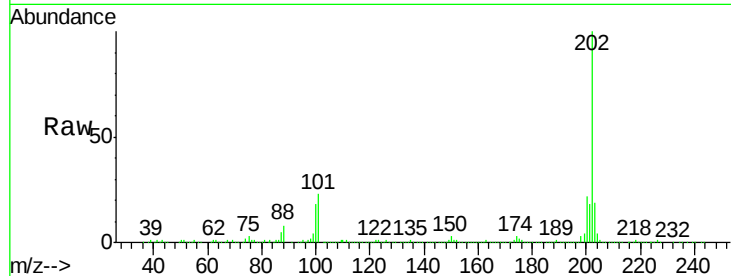
Tgt Ion: 202 Resp: 486256

Ion Ratio Lower Upper

202 100

200 22.1 18.3 27.5

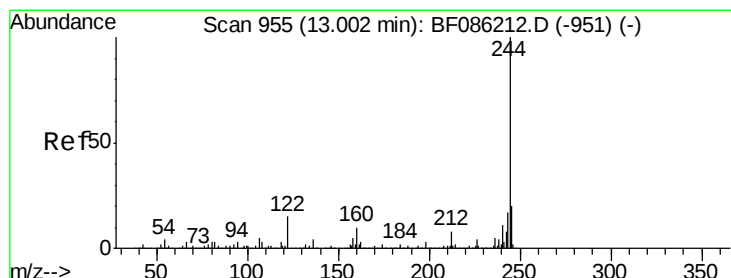
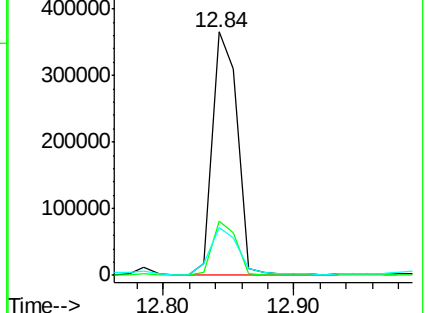
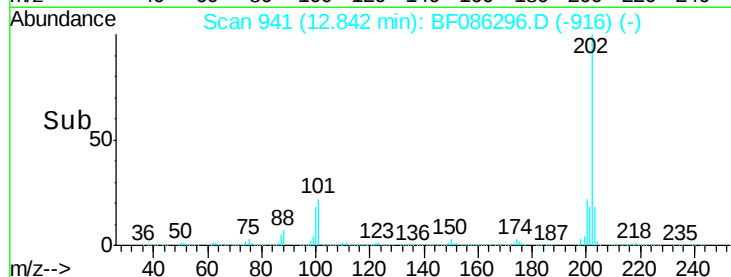
203 19.4 14.9 22.3



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: 16.22 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

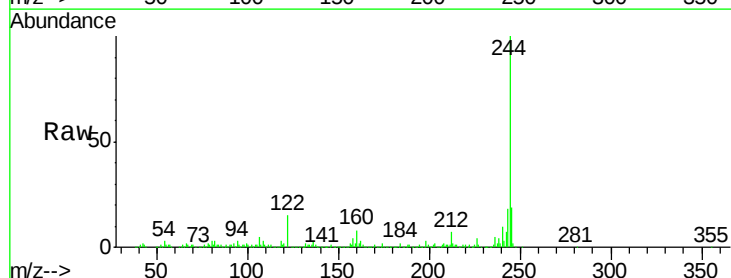
Tgt Ion: 244 Resp: 314891

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

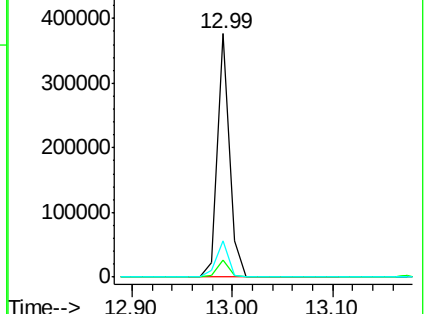
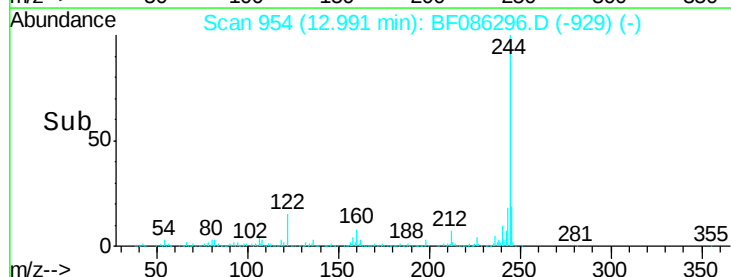
122 14.7 11.7 17.5

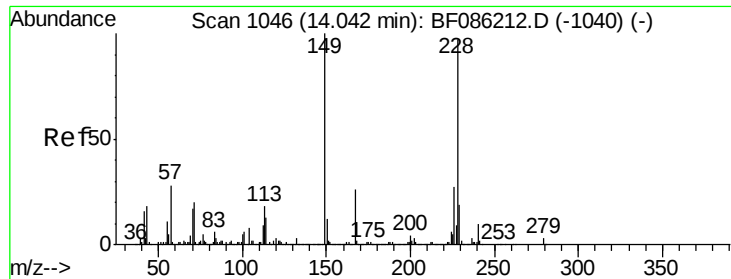


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.31 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Instrument :

BNA_F

ClientSampleId :

SP-1-C(0-2)

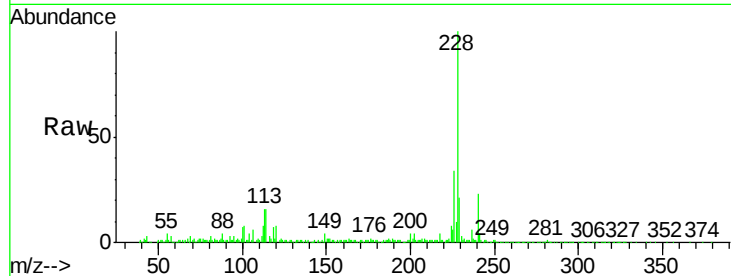
Tgt Ion:228 Resp: 276181

Ion Ratio Lower Upper

228 100

226 34.1 22.5 33.7#

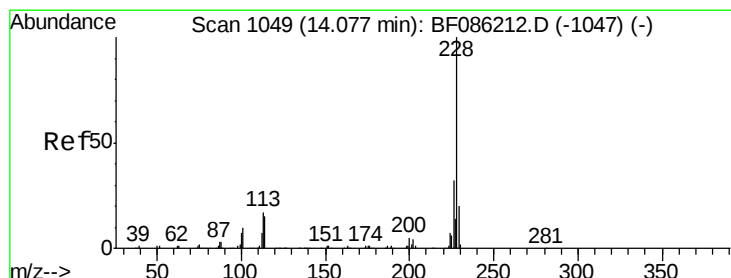
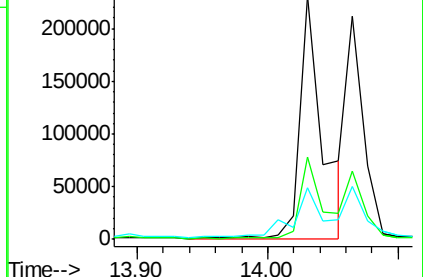
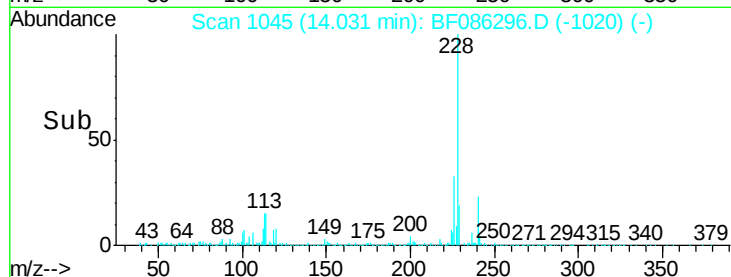
229 21.0 16.2 24.2



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: 9.67 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.05 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

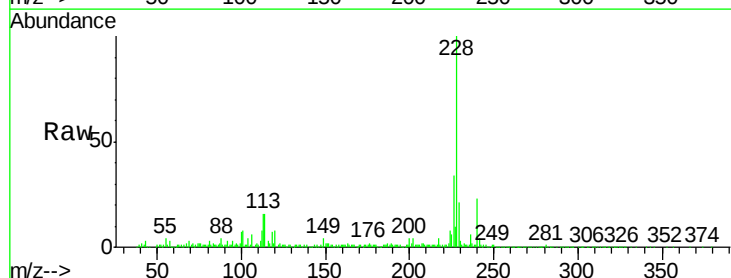
Tgt Ion:228 Resp: 276181

Ion Ratio Lower Upper

228 100

226 34.1 25.4 38.2

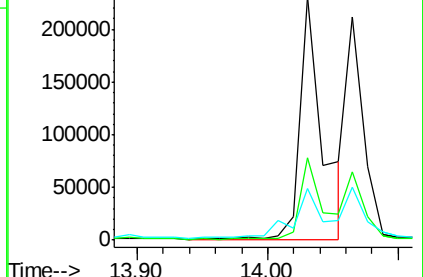
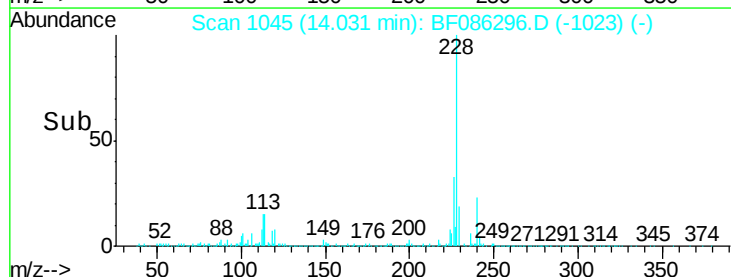
229 21.0 16.5 24.7

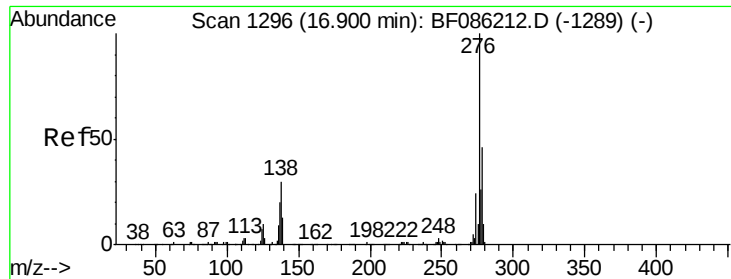


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

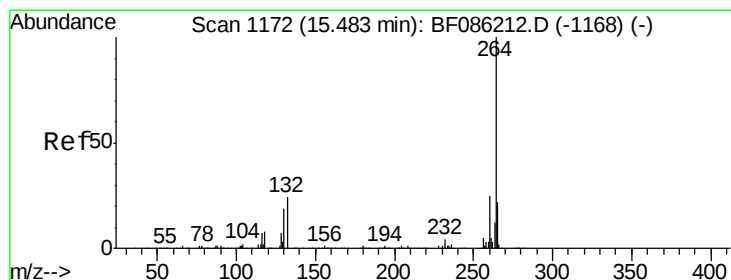
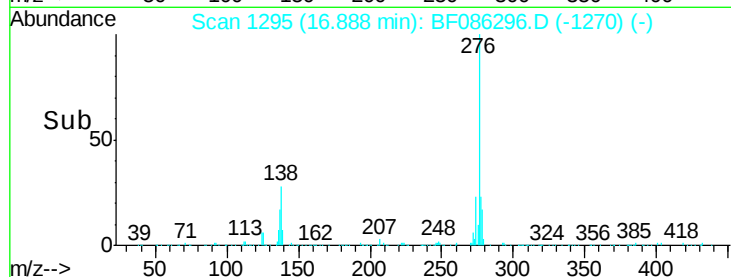
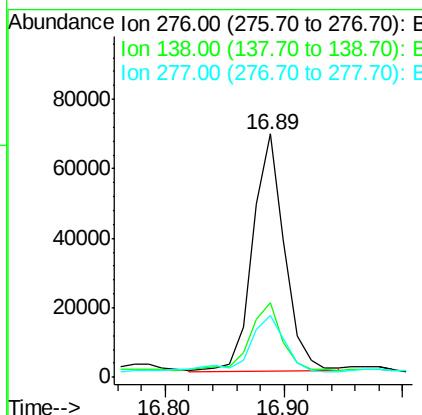
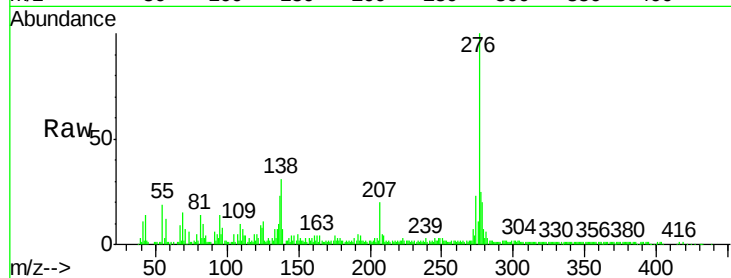




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.35 ng
 RT: 16.89 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF086296.D
 Acq: 18 Apr 2016 22:00

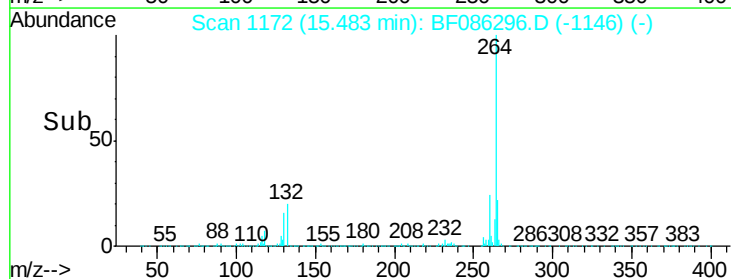
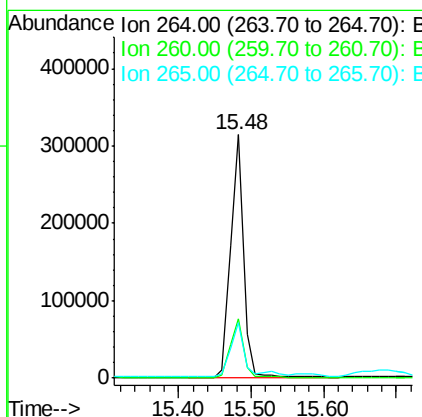
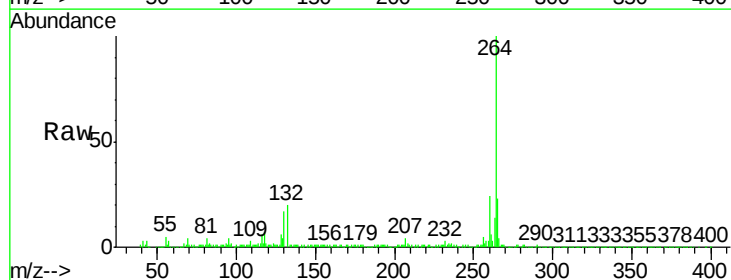
Instrument :
 BNA_F
 ClientSampleId :
 SP-1-C(0-2)

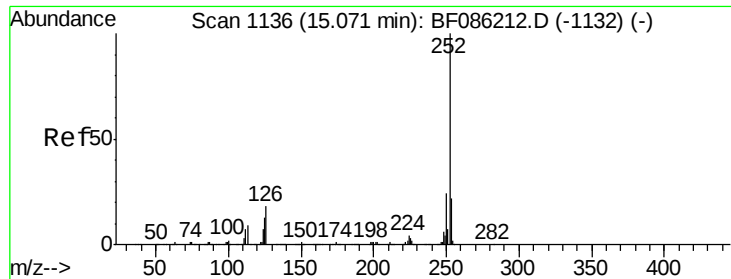
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.6	23.8	35.6
277	28.7	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: BF086296.D
 Acq: 18 Apr 2016 22:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	22.5	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 13.83 ng

RT: 15.07 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Instrument :

BNA_F

ClientSampleId :

SP-1-C(0-2)

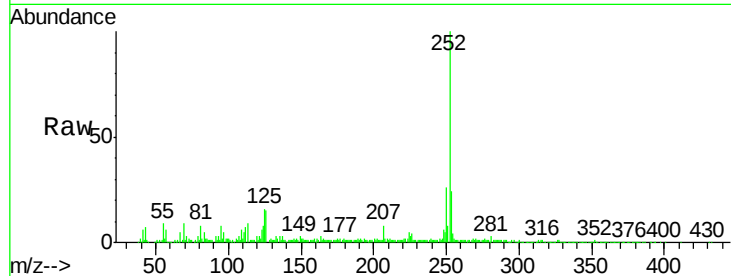
Tgt Ion:252 Resp: 335273

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

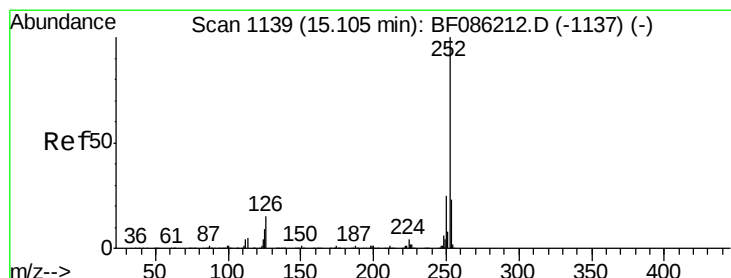
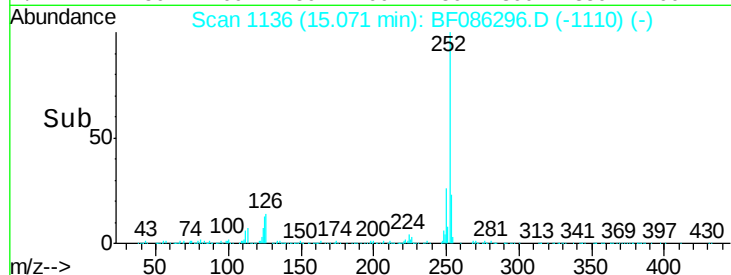
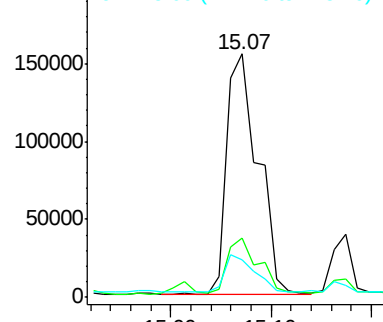
125 15.6 10.3 15.5#



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: 15.17 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.03 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

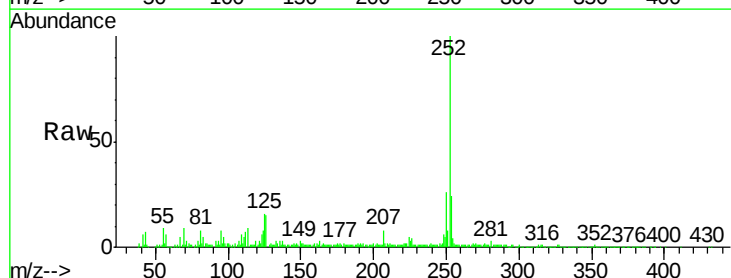
Tgt Ion:252 Resp: 335273

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

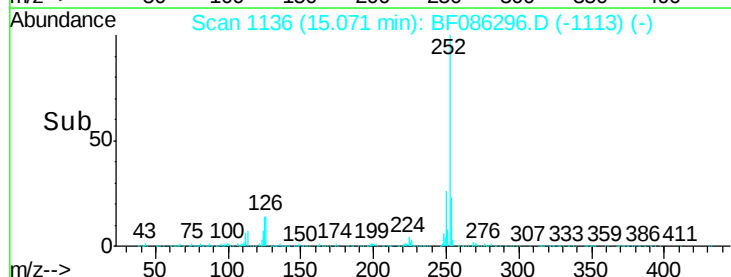
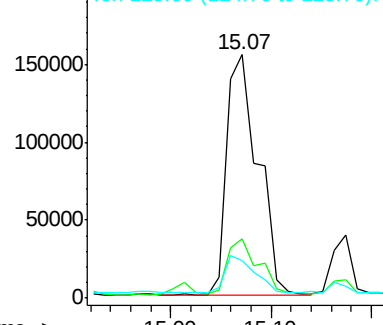
125 15.6 7.8 11.6#

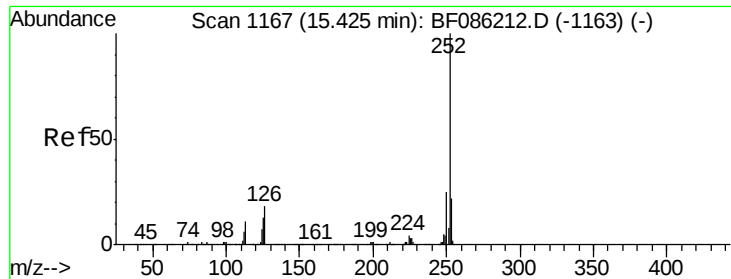


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.81 ng

RT: 15.41 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

Instrument :

BNA_F

ClientSampleId :

SP-1-C(0-2)

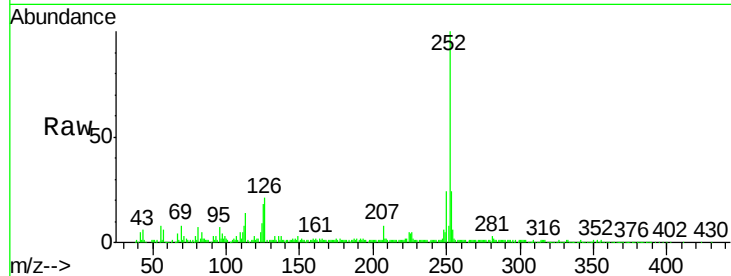
Tgt Ion:252 Resp: 205941

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.8

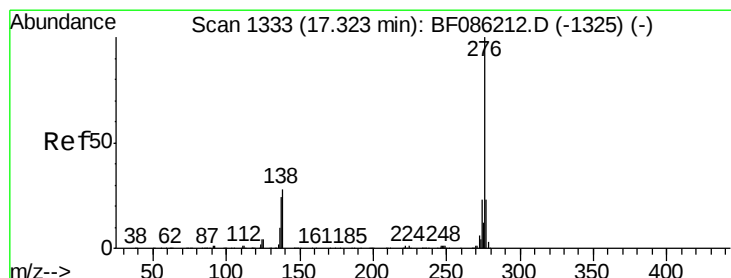
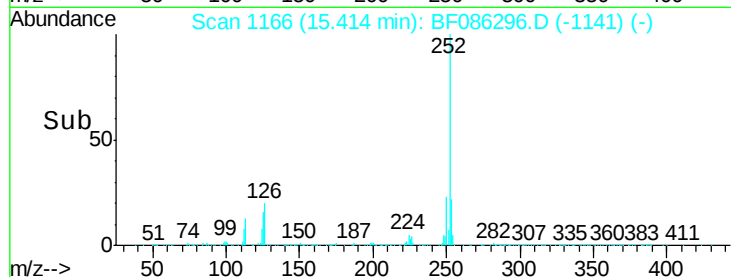
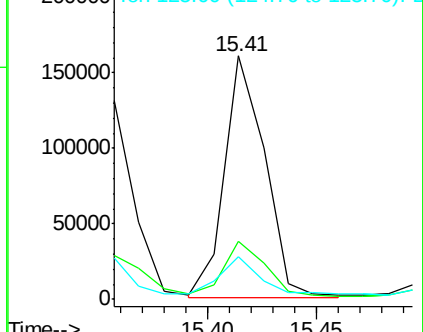
125 17.7 11.2 16.8#



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: 8.14 ng

RT: 17.31 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF086296.D

Acq: 18 Apr 2016 22:00

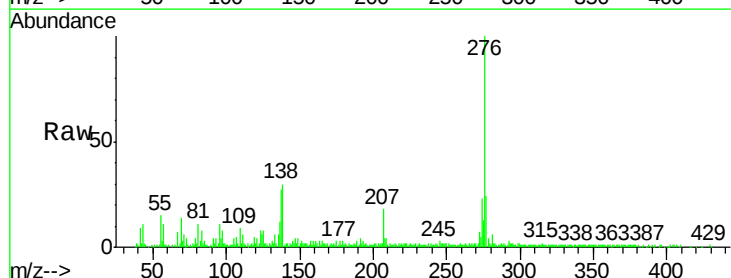
Tgt Ion:276 Resp: 160618

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.6

138 29.5 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

