

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
 Data File : BF086297.D
 Acq On : 18 Apr 2016 22:29
 Operator : UM/SJ
 Sample : H2413-14 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 305-1(0-2)

Quant Time: Apr 19 00:56:29 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

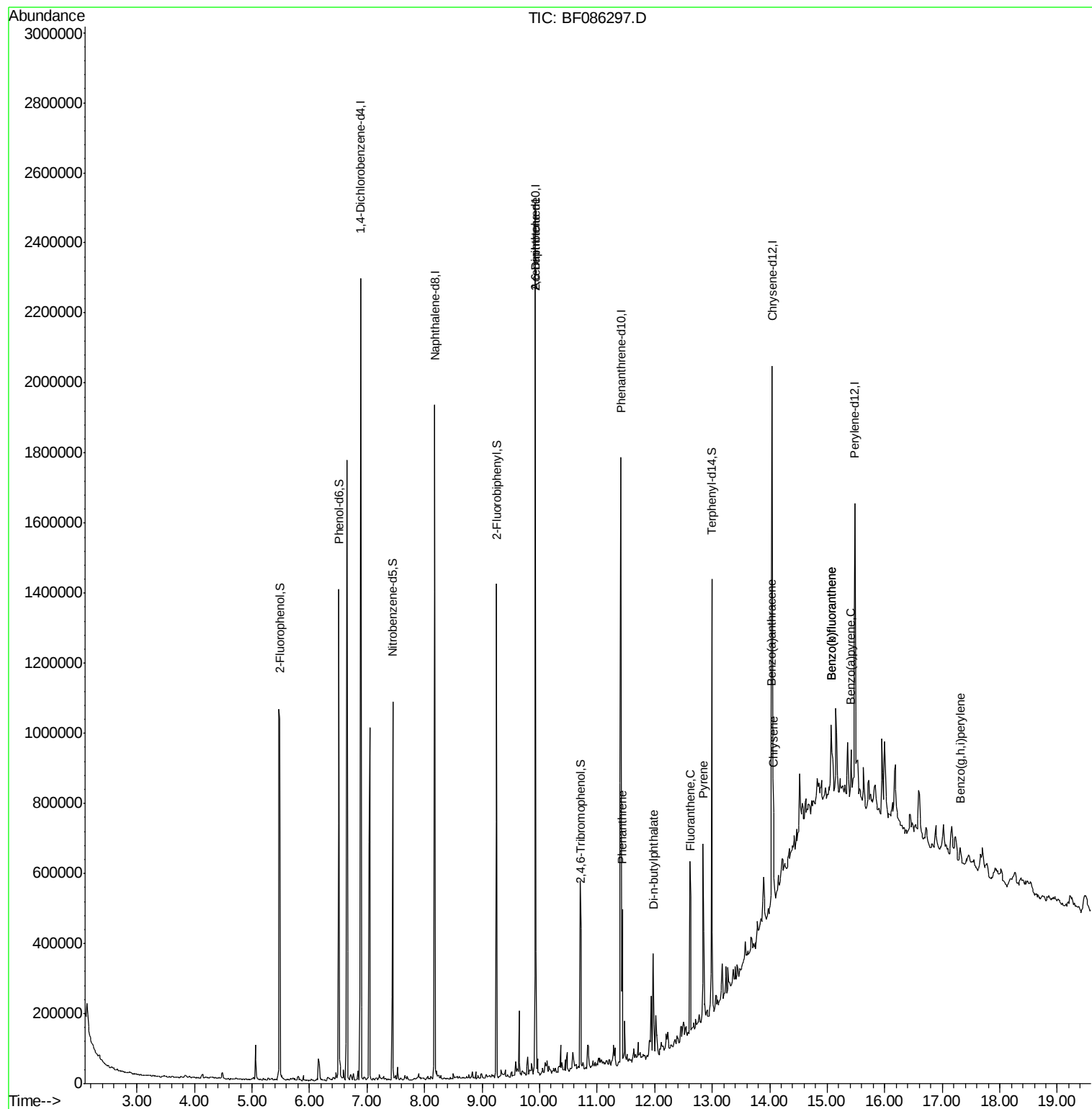
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	303883	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1157146	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	445933	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	692207	20.00	ng	0.00
75) Chrysene-d12	14.04	240	483132	20.00	ng	-0.01
86) Perylene-d12	15.48	264	389994	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	454681	24.52	ng	0.00
7) Phenol-d6	6.51	99	584166	25.18	ng	-0.01
23) Nitrobenzene-d5	7.45	82	330426	16.47	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	74904	20.92	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	510883	21.14	ng	-0.01
78) Terphenyl-d14	12.99	244	346408	18.03	ng	-0.01
Target Compounds						
22) Acetophenone	7.29	105	1318	Below Cal	#	35
50) 2,6-Dinitrotoluene	9.93	165	58543	8.16 ng	#	32
57) Fluorene	10.48	166	18131	Below Cal		96
70) Phenanthrene	11.44	178	177784	5.38 ng		98
73) Di-n-butylphthalate	11.97	149	134685	3.17 ng		99
74) Fluoranthene	12.62	202	257102	3.89 ng		92
77) Pyrene	12.84	202	232940	6.28 ng		98
80) Benzo(a)anthracene	14.03	228	121158	4.57 ng		94
82) Chrysene	14.07	228	89958	3.18 ng		95
87) Benzo(b)fluoranthene	15.07	252	142091	5.91 ng	#	86
88) Benzo(k)fluoranthene	15.07	252	142091	6.48 ng	#	83
89) Benzo(a)pyrene	15.41	252	71543	3.43 ng	#	82
91) Benzo(g,h,i)perylene	17.31	276	41060	2.10 ng	#	85

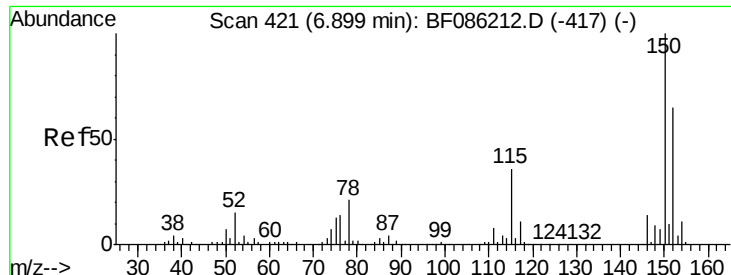
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

ClientSampleId :

305-1(0-2)

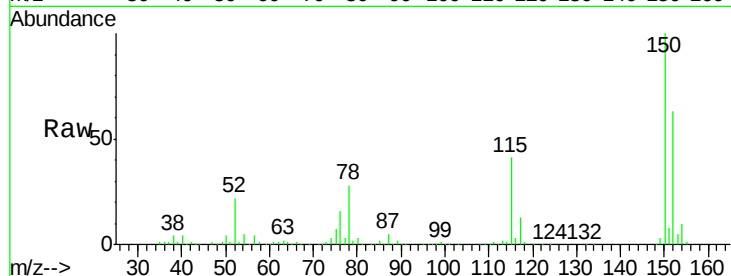
Tgt Ion:152 Resp: 303883

Ion Ratio Lower Upper

152 100

150 158.0 124.1 186.1

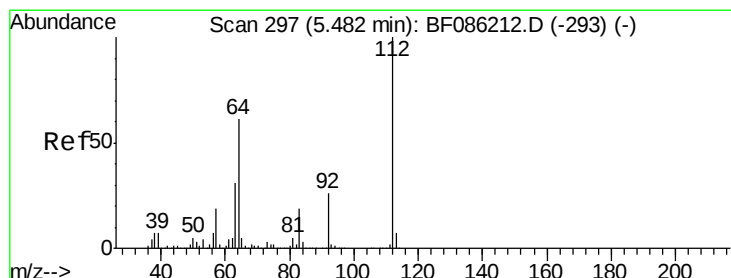
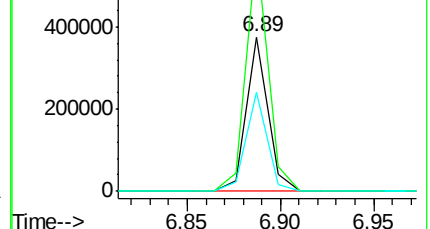
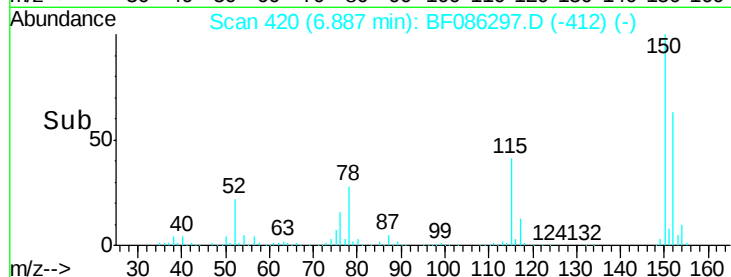
115 64.6 43.9 65.9



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: 24.52 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.00 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

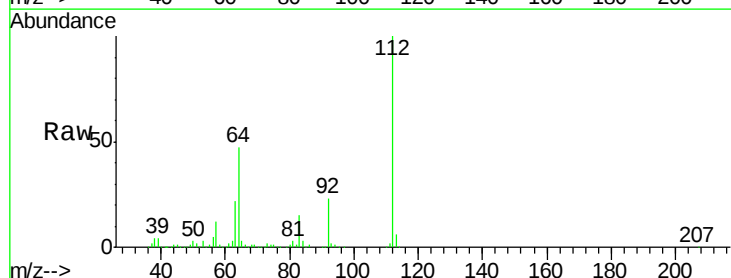
Tgt Ion:112 Resp: 454681

Ion Ratio Lower Upper

112 100

64 46.5 48.1 72.1#

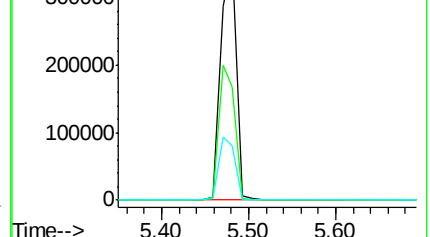
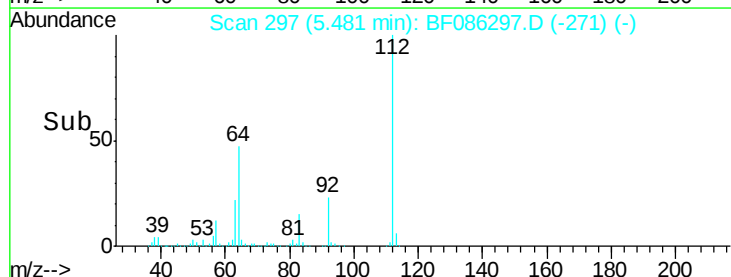
63 22.2 25.5 38.3#

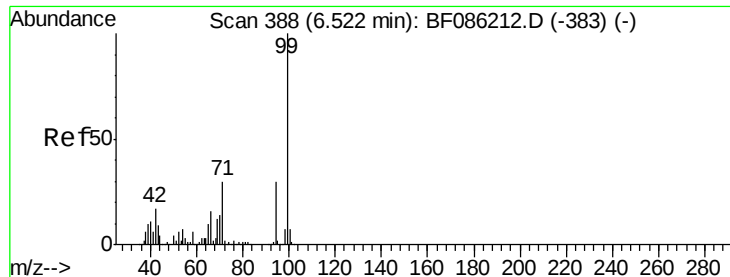


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.18 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

ClientSampleId :

305-1(0-2)

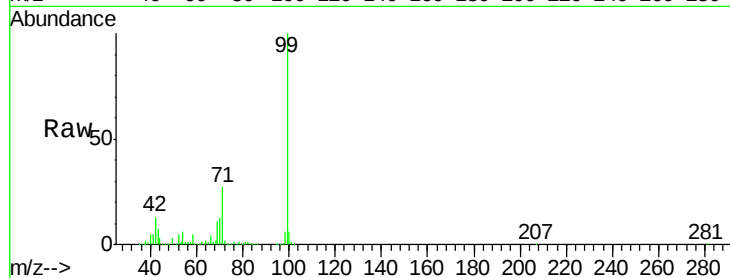
Tgt Ion: 99 Resp: 584166

Ion Ratio Lower Upper

99 100

42 13.5 15.4 23.2#

71 26.6 25.6 38.4

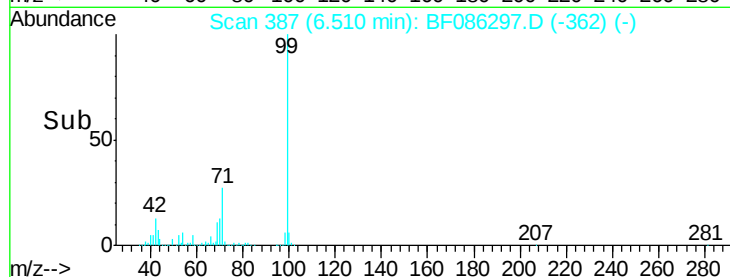


Abundance Ion 99.00 (98.70 to 99.70): BF0

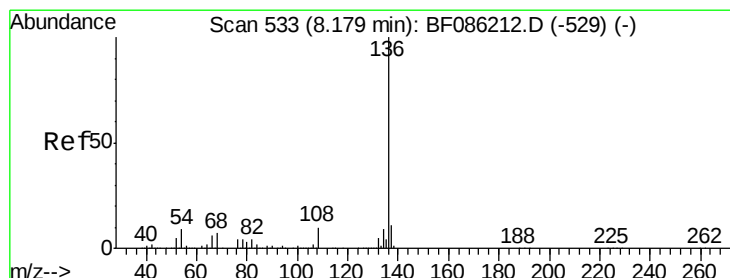
Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

6.51



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Tgt Ion: 136 Resp: 1157146

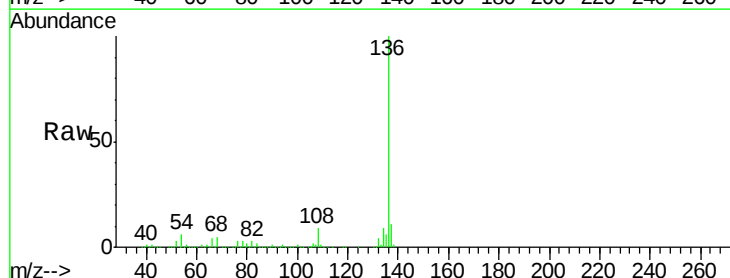
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.8 7.3 10.9#

68 5.2 5.7 8.5#



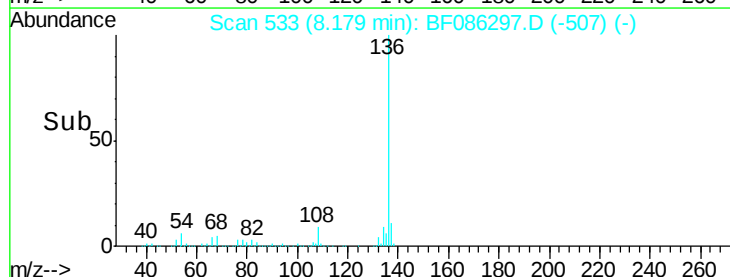
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

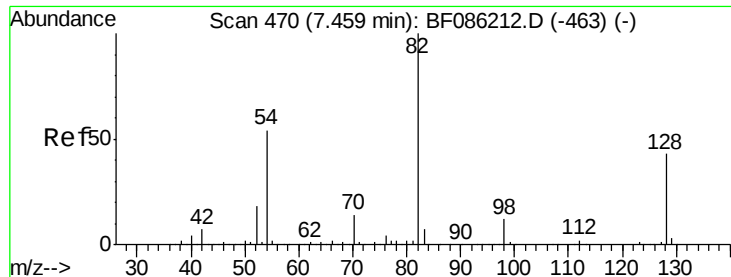
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

8.18



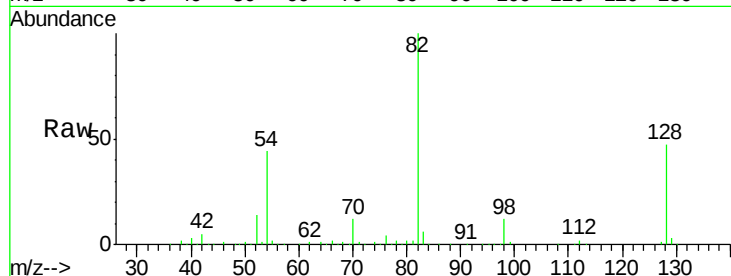
Time-->



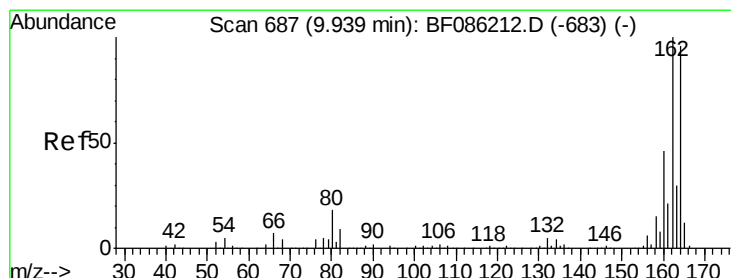
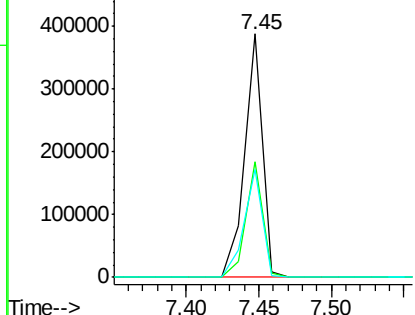
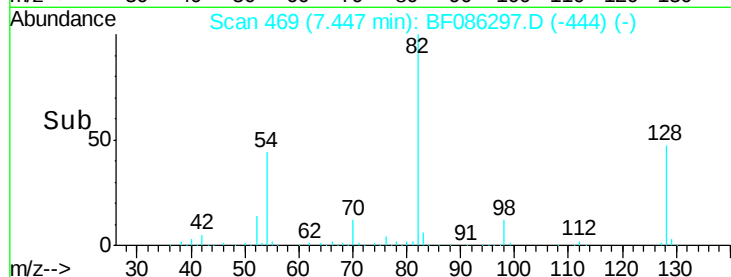
#23
 Nitrobenzene-d5
 Concen: 16.47 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF086297.D
 Acq: 18 Apr 2016 22:29

Instrument :
 BNA_F
 ClientSampleId :
 305-1(0-2)

Tgt Ion: 82 Resp: 330426
 Ion Ratio Lower Upper
 82 100
 128 47.5 35.4 53.2
 54 44.2 43.4 65.0

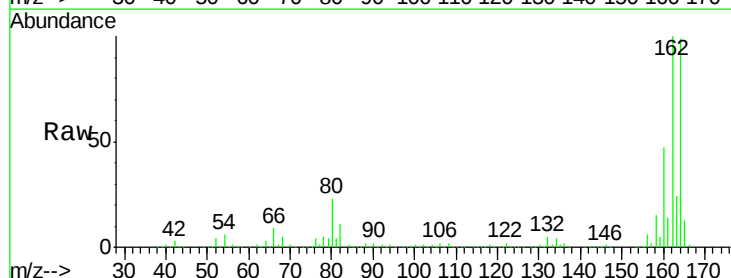


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

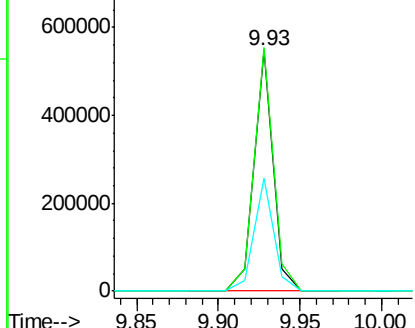
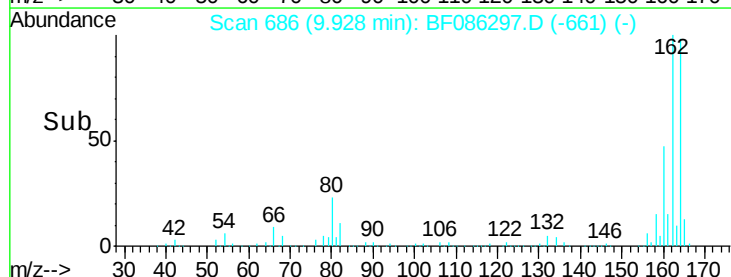


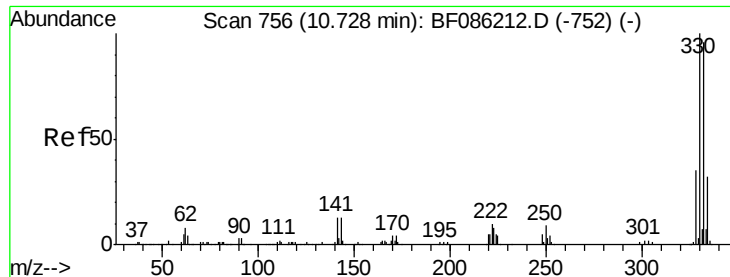
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086297.D
 Acq: 18 Apr 2016 22:29

Tgt Ion: 164 Resp: 445933
 Ion Ratio Lower Upper
 164 100
 162 101.2 82.8 124.2
 160 47.0 38.9 58.3



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

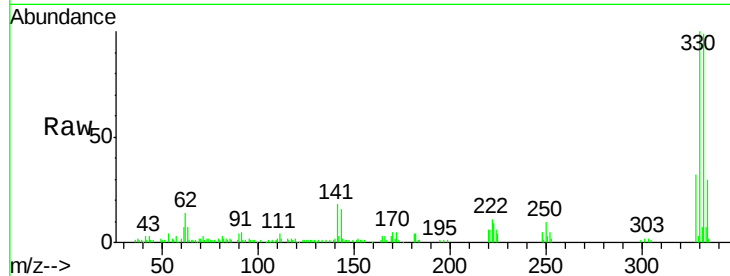




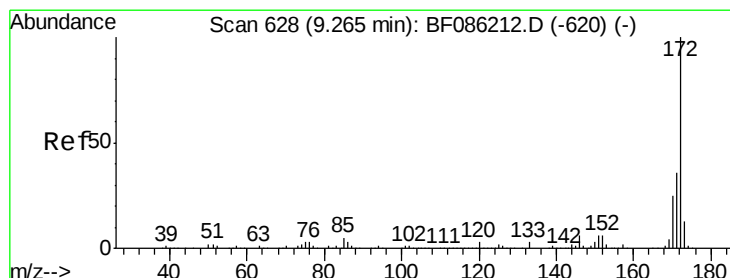
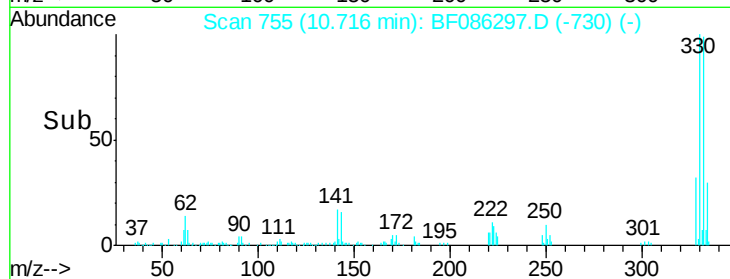
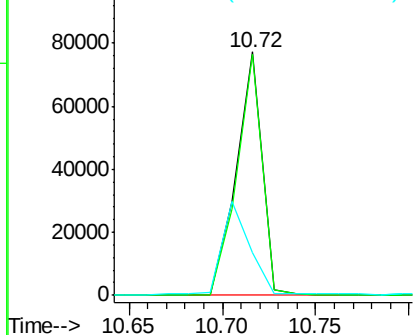
#41
 2,4,6-Tribromophenol
 Concen: 20.92 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086297.D
 Acq: 18 Apr 2016 22:29

Instrument :
 BNA_F
 ClientSampleId :
 305-1(0-2)

Tgt Ion:330 Resp: 74904
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.7 118.1
 141 44.2 28.6 42.8#

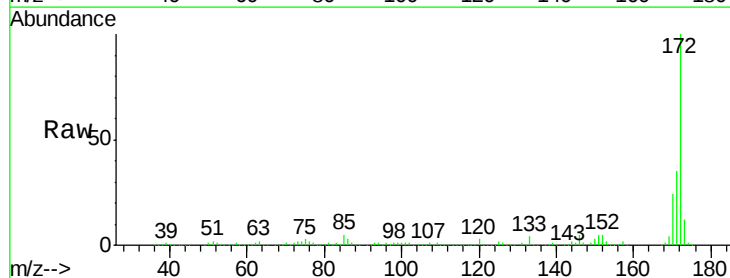


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

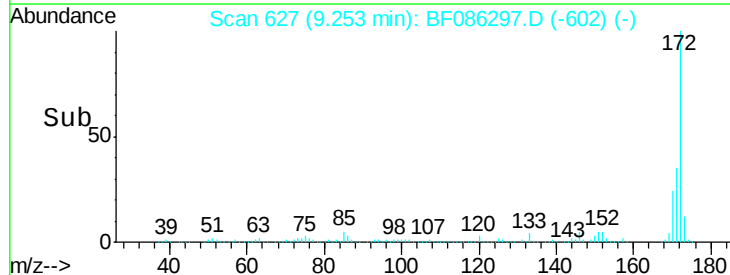
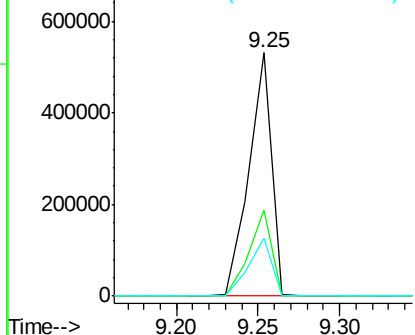


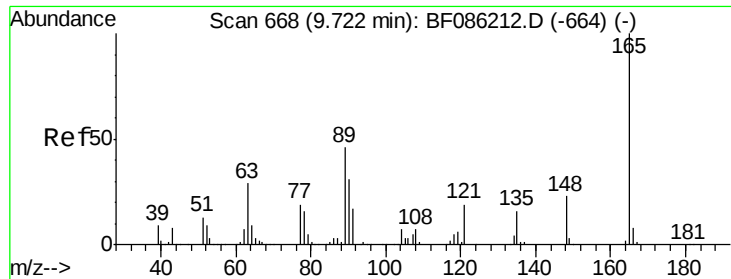
#44
 2-Fluorobiphenyl
 Concen: 21.14 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086297.D
 Acq: 18 Apr 2016 22:29

Tgt Ion:172 Resp: 510883
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.1 43.7
 170 24.0 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

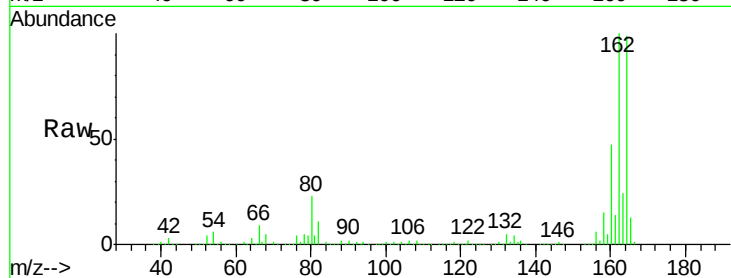




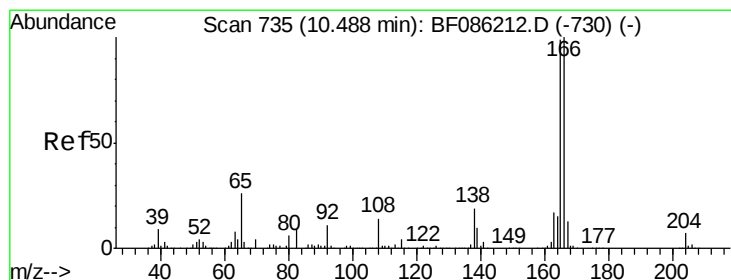
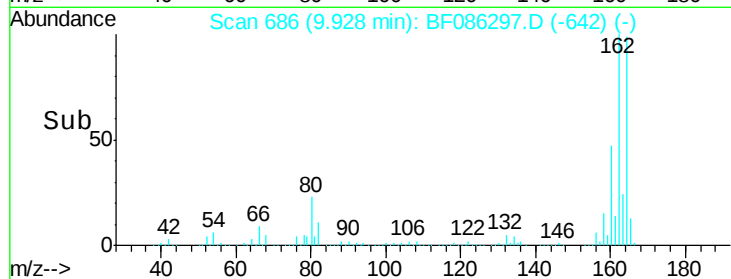
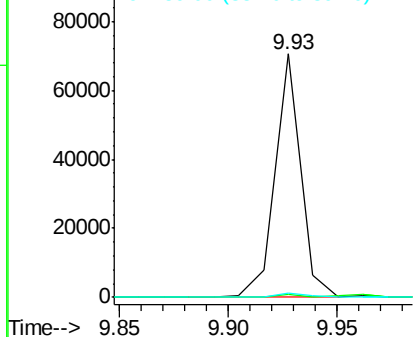
#50
2,6-Dinitrotoluene
Concen: 8.16 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.21 min
Lab File: BF086297.D
Acq: 18 Apr 2016 22:29

Instrument :
BNA_F
ClientSampleId :
305-1(0-2)

Tgt Ion:165 Resp: 58543
Ion Ratio Lower Upper
165 100
63 1.1 35.1 52.7#
89 1.8 39.8 59.6#

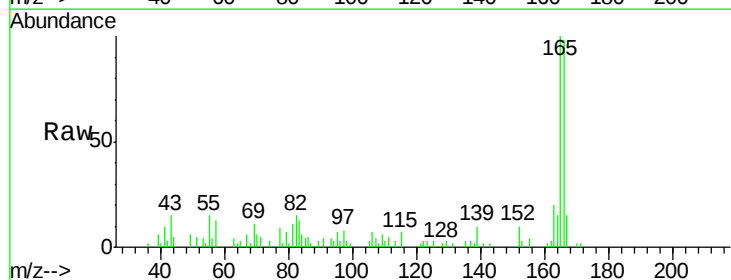


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

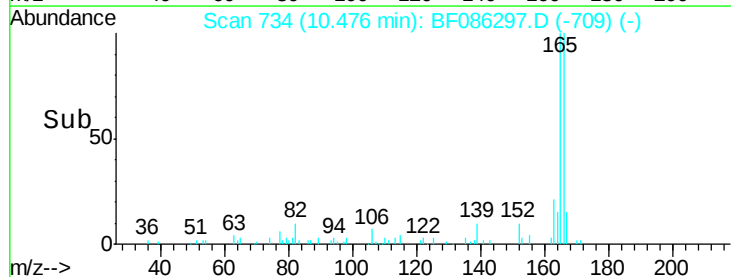
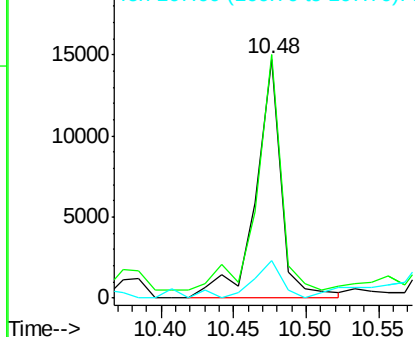


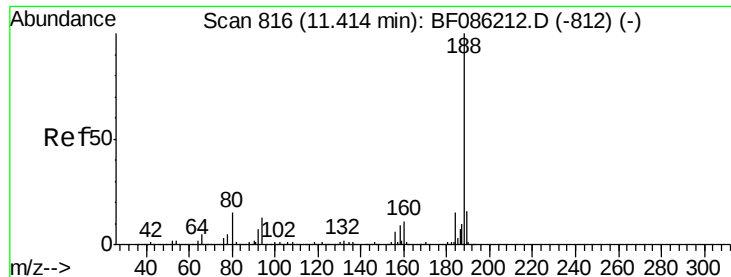
#57
Fluorene
Concen: Below Cal
RT: 10.48 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF086297.D
Acq: 18 Apr 2016 22:29

Tgt Ion:166 Resp: 18131
Ion Ratio Lower Upper
166 100
165 101.9 78.6 117.8
167 15.5 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

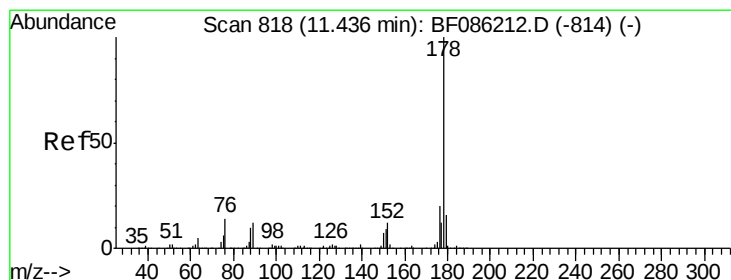
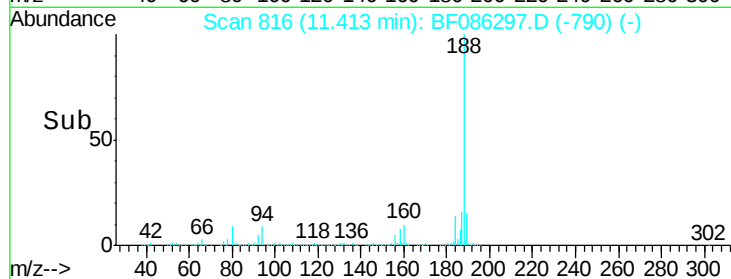
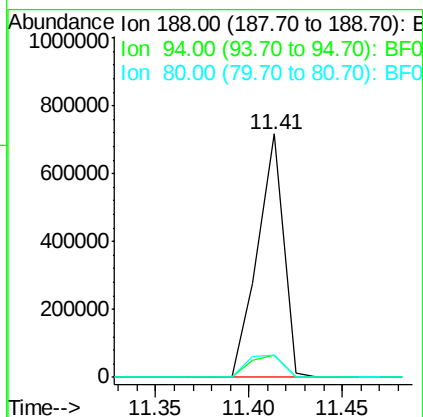
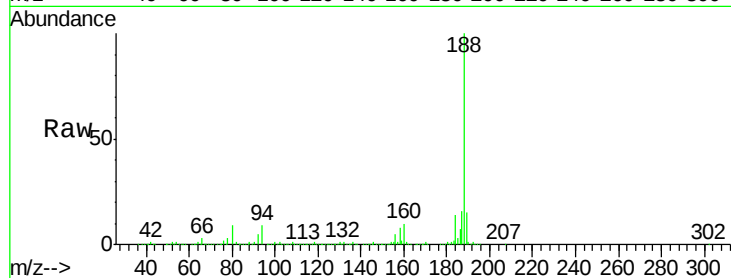




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF086297.D
Acq: 18 Apr 2016 22:29

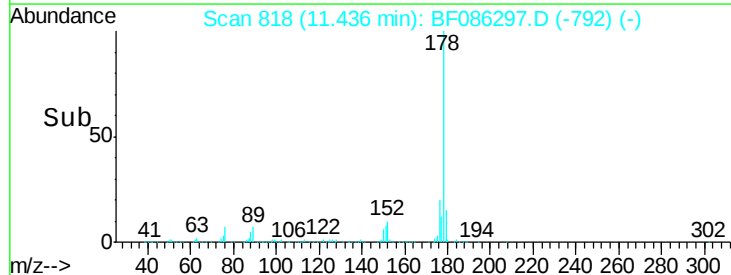
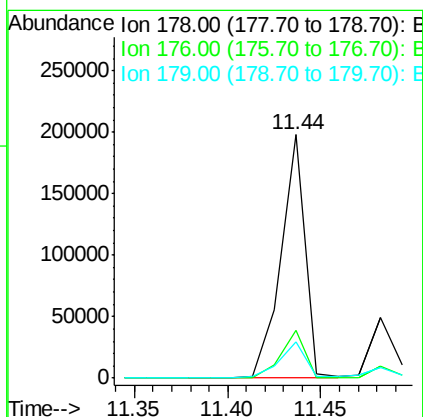
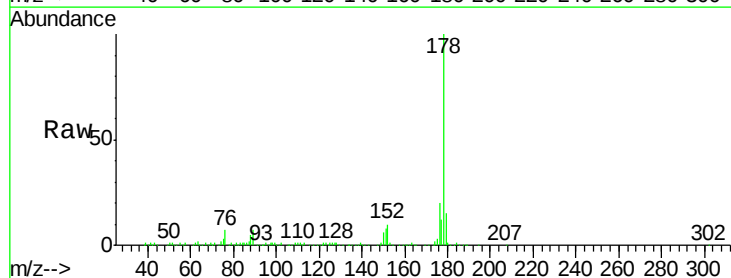
Instrument :
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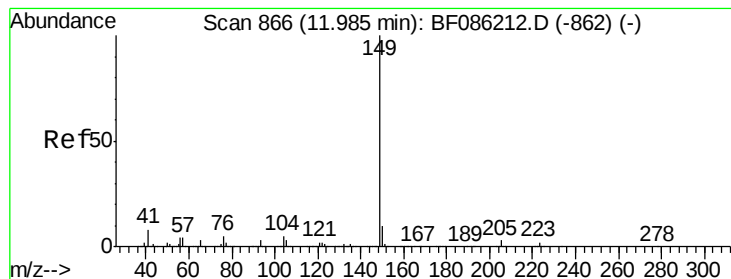
Tgt Ion:188 Resp: 692207
Ion Ratio Lower Upper
188 100
94 8.9 9.8 14.8#
80 9.2 10.5 15.7#



#70
Phenanthrene
Concen: 5.38 ng
RT: 11.44 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF086297.D
Acq: 18 Apr 2016 22:29

Tgt Ion:178 Resp: 177784
Ion Ratio Lower Upper
178 100
176 19.7 16.3 24.5
179 14.7 13.0 19.6





#73

Di-n-butylphthalate

Concen: 3.17 ng

RT: 11.97 min Scan# 865

Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

ClientSampleId :

305-1(0-2)

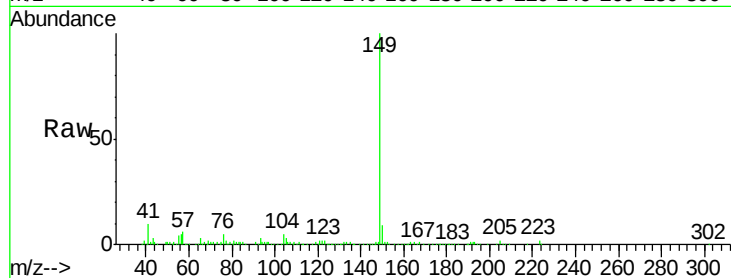
Tgt Ion:149 Resp: 134685

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.8

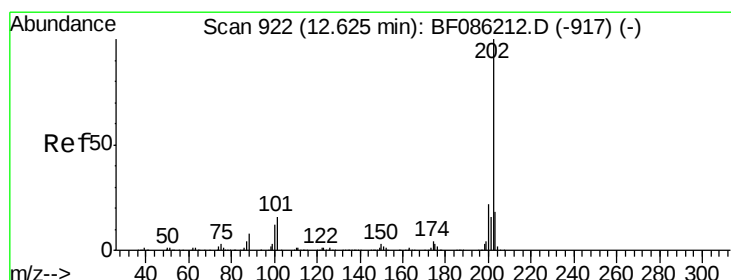
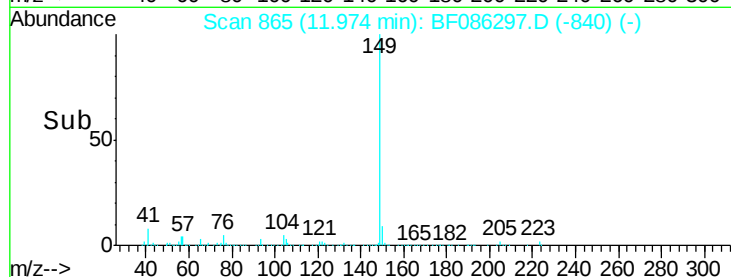
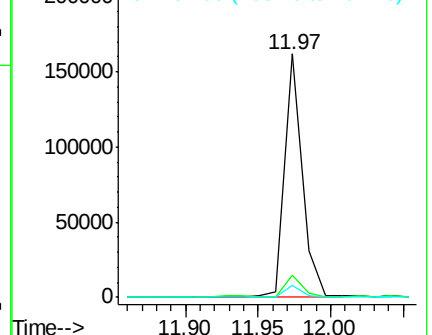
104 5.0 4.1 6.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 3.89 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

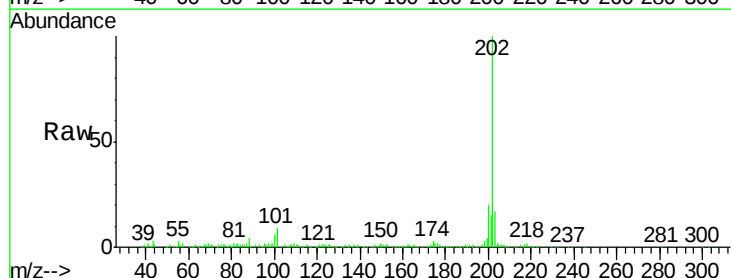
Tgt Ion:202 Resp: 257102

Ion Ratio Lower Upper

202 100

101 8.6 0.0 35.2

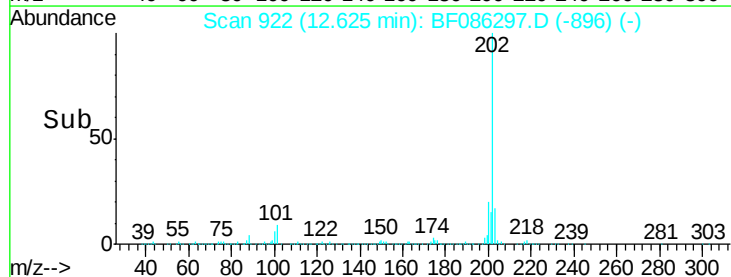
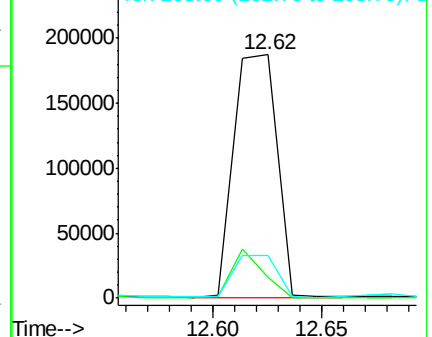
203 17.4 0.0 38.2

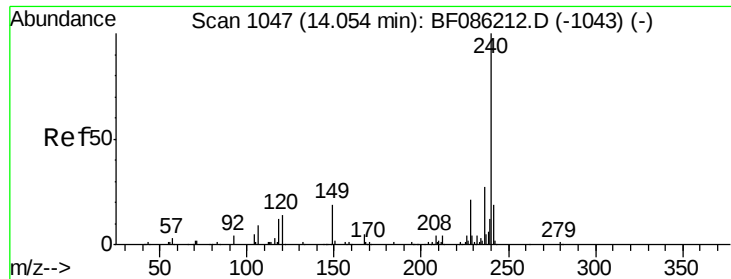


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

ClientSampleId :

305-1(0-2)

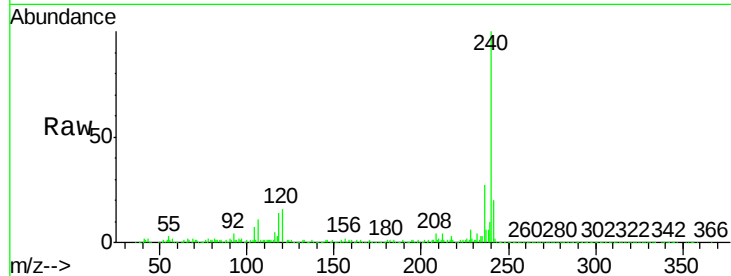
Tgt Ion:240 Resp: 483132

Ion Ratio Lower Upper

240 100

120 16.1 9.3 13.9#

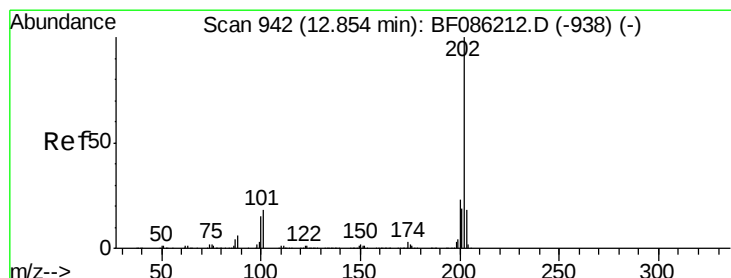
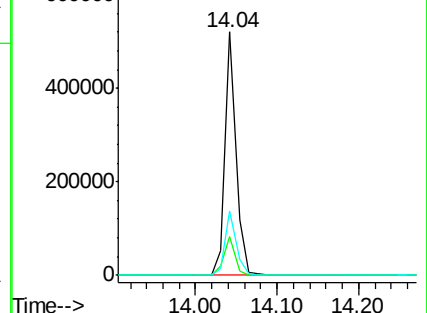
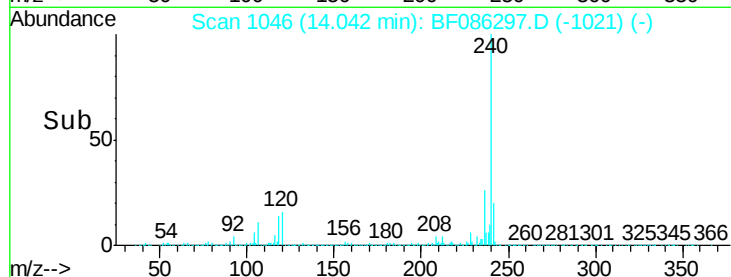
236 26.5 21.1 31.7



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: 6.28 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

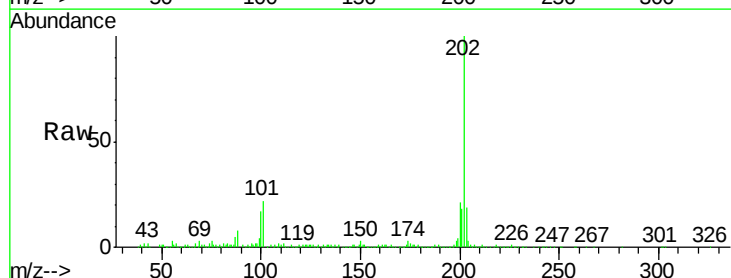
Tgt Ion:202 Resp: 232940

Ion Ratio Lower Upper

202 100

200 21.4 18.3 27.5

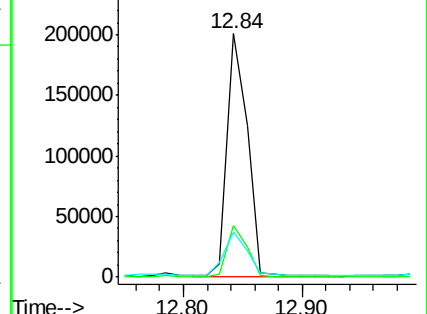
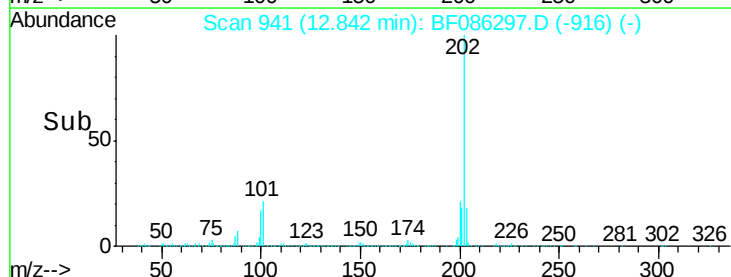
203 18.8 14.9 22.3

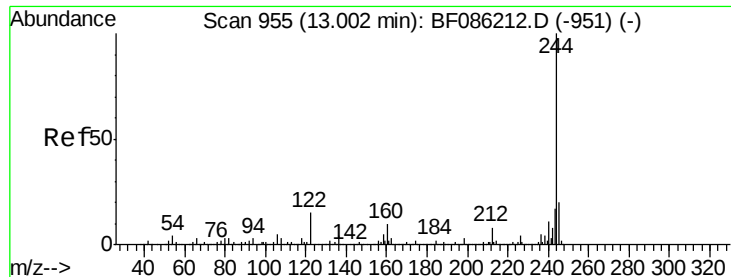


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 18.03 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

ClientSampleId :

305-1(0-2)

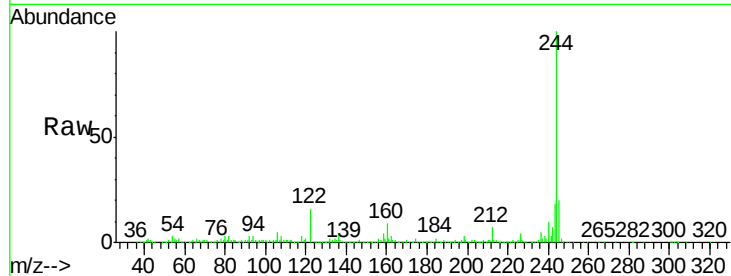
Tgt Ion:244 Resp: 346408

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

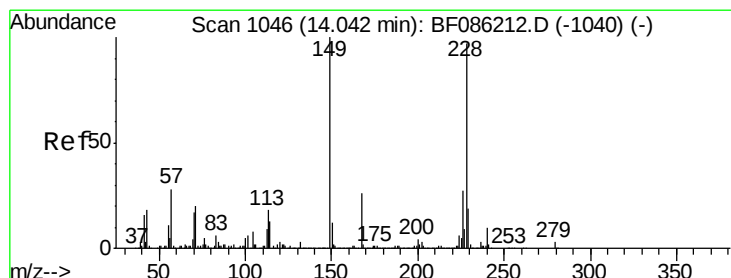
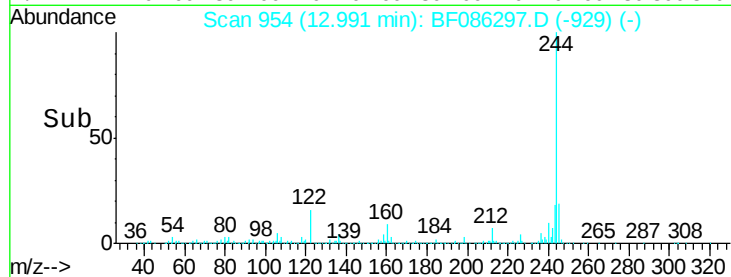
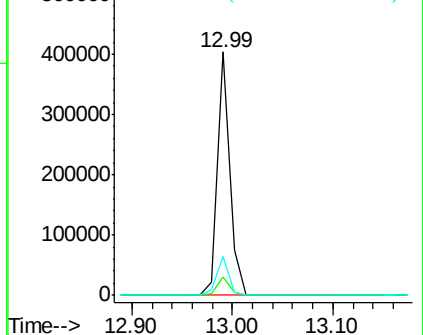
122 15.7 11.7 17.5



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: 4.57 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

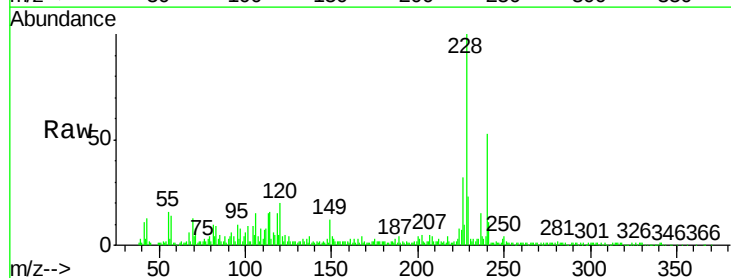
Tgt Ion:228 Resp: 121158

Ion Ratio Lower Upper

228 100

226 31.7 22.5 33.7

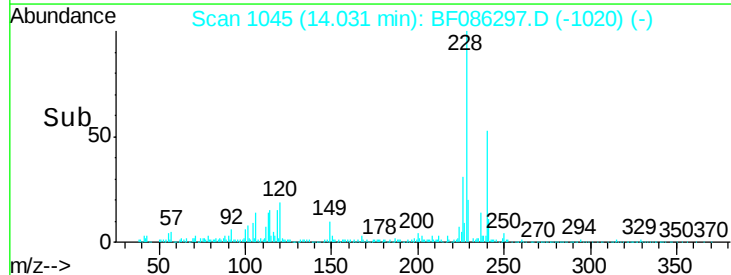
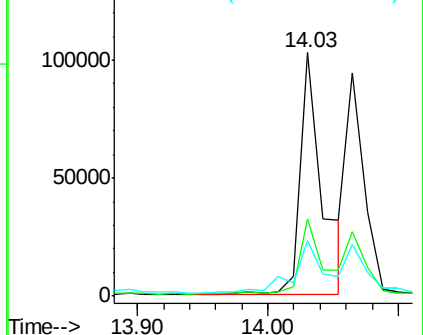
229 22.6 16.2 24.2

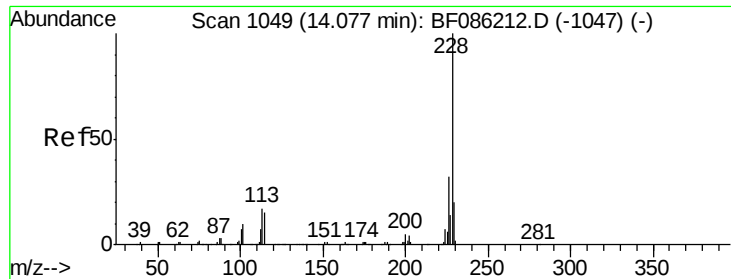


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.18 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

ClientSampleId :

305-1(0-2)

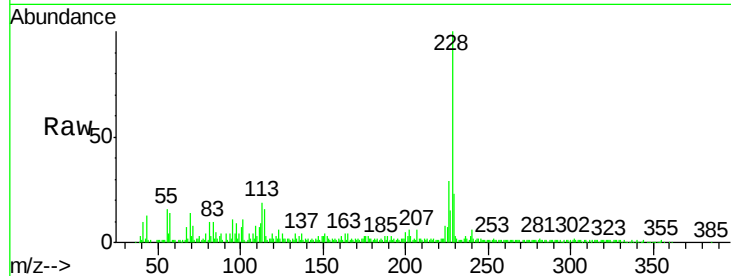
Tgt Ion:228 Resp: 89958

Ion Ratio Lower Upper

228 100

226 28.9 25.4 38.2

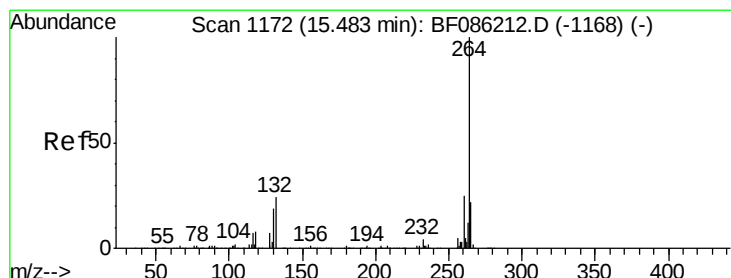
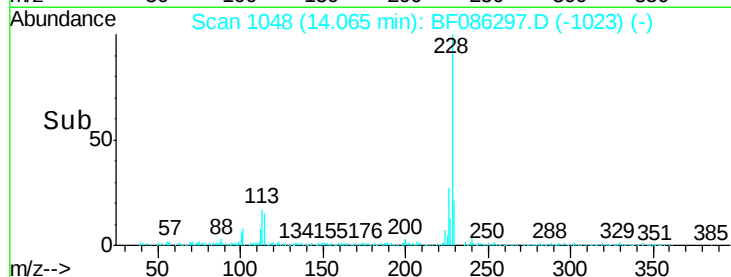
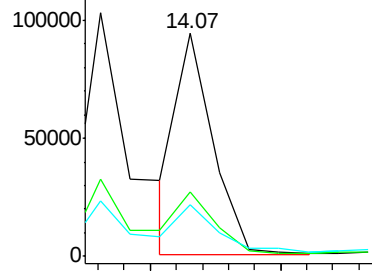
229 23.0 16.5 24.7



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

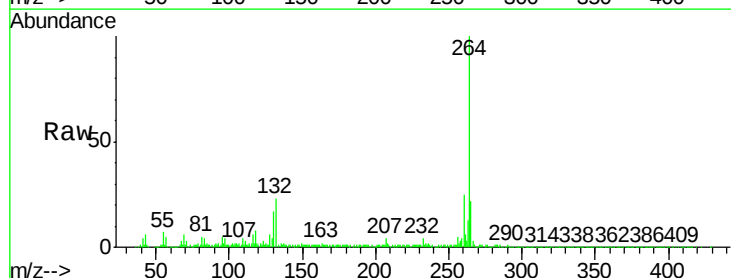
Tgt Ion:264 Resp: 389994

Ion Ratio Lower Upper

264 100

260 25.4 20.0 30.0

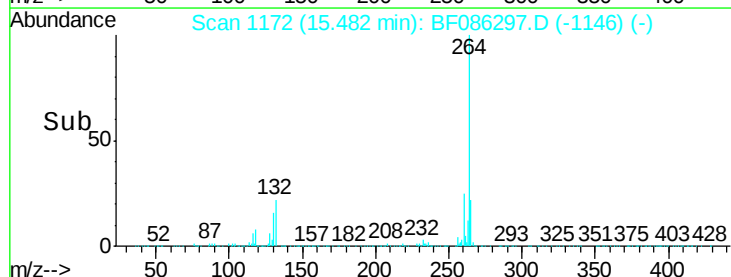
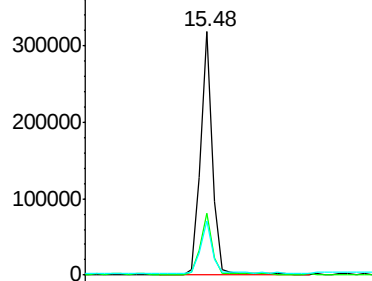
265 22.0 17.4 26.0

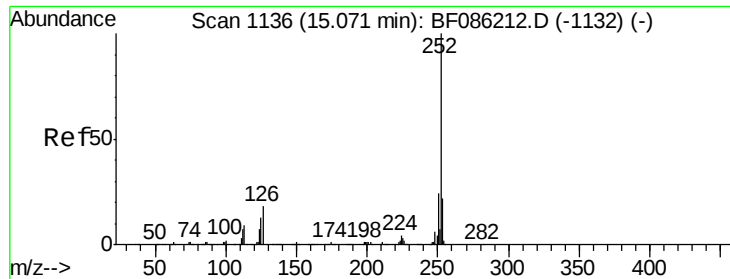


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

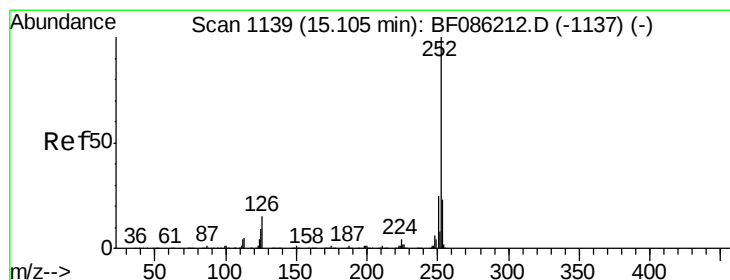
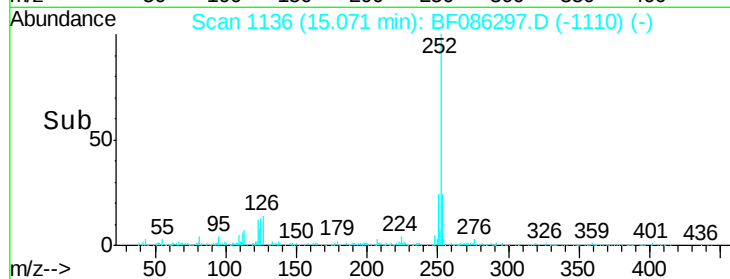
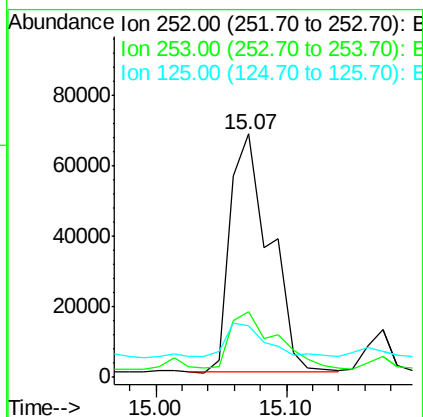
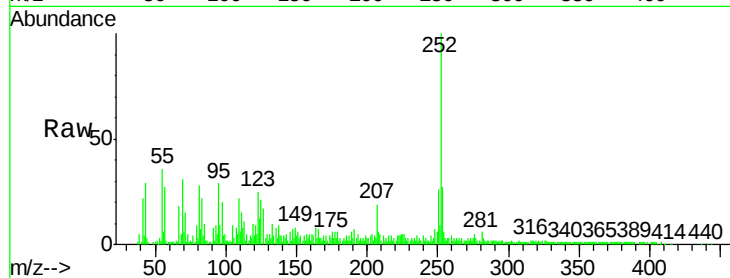




#87
Benzo(b)fluoranthene
Concen: 5.91 ng
RT: 15.07 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BF086297.D
Acq: 18 Apr 2016 22:29

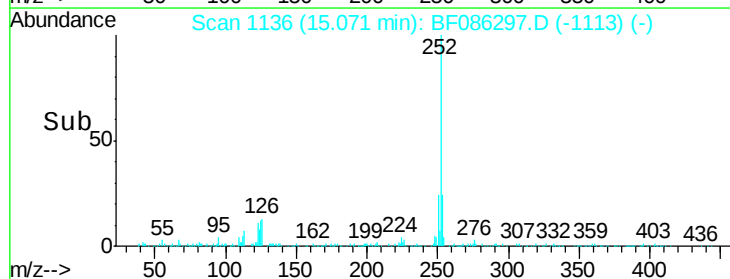
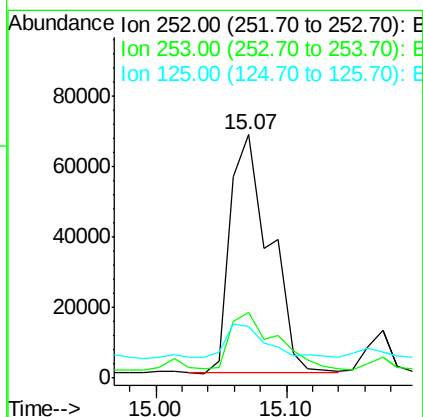
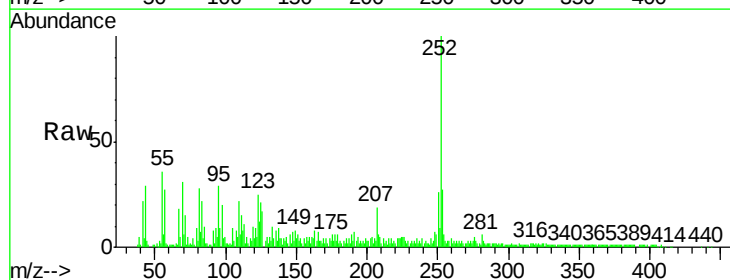
Instrument :
BNA_F
ClientSampleId :
305-1(0-2)

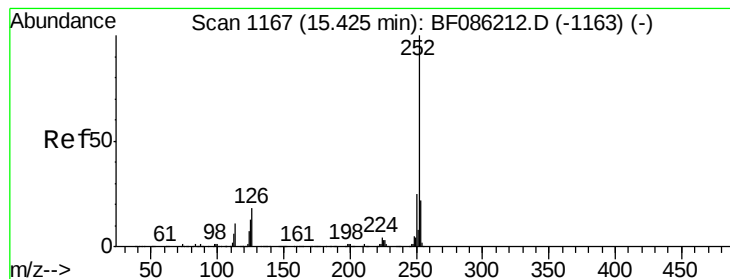
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.7	26.5#
125	21.2	10.3	15.5#



#88
Benzo(k)fluoranthene
Concen: 6.48 ng
RT: 15.07 min Scan# 1136
Delta R.T. -0.03 min
Lab File: BF086297.D
Acq: 18 Apr 2016 22:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.5	26.3#
125	21.2	7.8	11.6#





#89

Benzo(a)pyrene

Concen: 3.43 ng

RT: 15.41 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

Instrument :

BNA_F

ClientSampleId :

305-1(0-2)

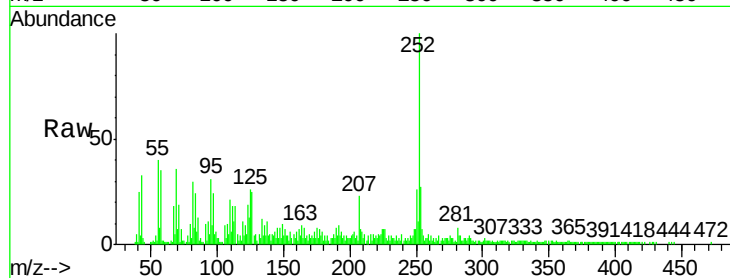
Tgt Ion:252 Resp: 71543

Ion Ratio Lower Upper

252 100

253 27.3 17.8 26.8#

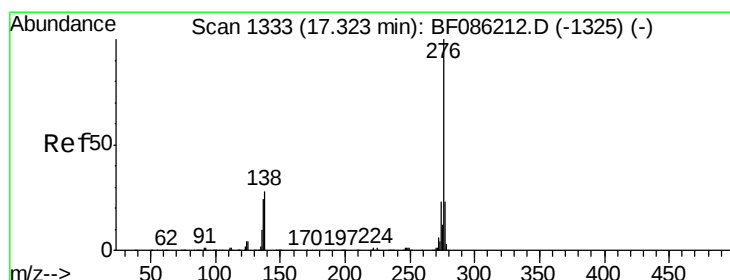
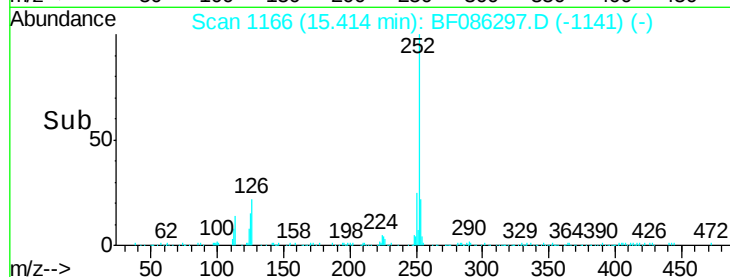
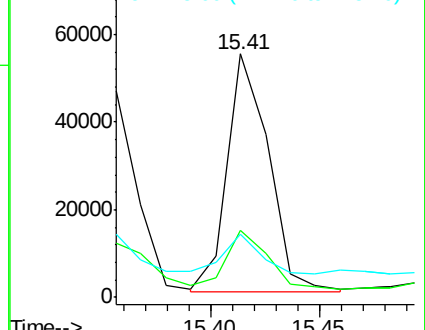
125 26.0 11.2 16.8#



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: 2.10 ng

RT: 17.31 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF086297.D

Acq: 18 Apr 2016 22:29

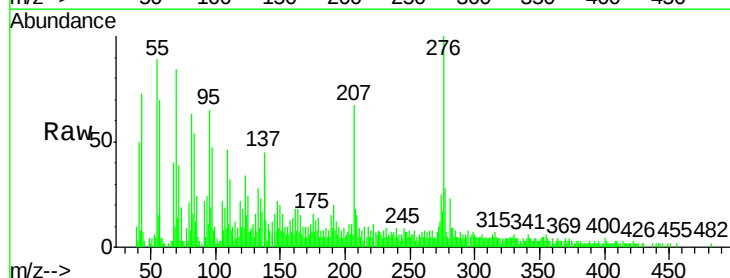
Tgt Ion:276 Resp: 41060

Ion Ratio Lower Upper

276 100

277 27.5 19.0 28.6

138 35.4 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

