

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\
 Data File : BF083696.D
 Acq On : 11 Dec 2015 1:03
 Operator : UM/IZ
 Sample : G4561-08DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB17B(22.5-23)DL

Quant Time: Dec 11 04:35:06 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

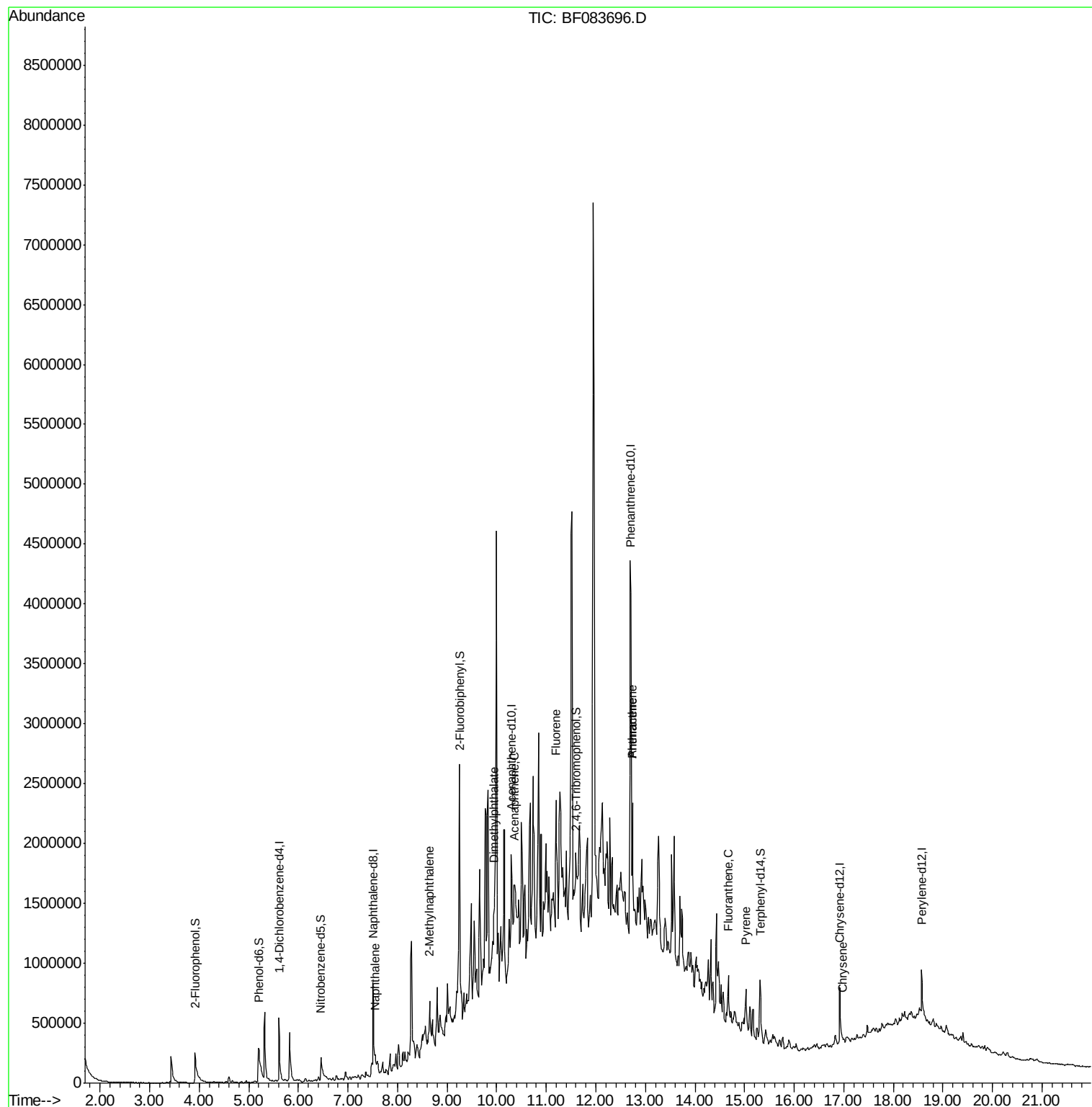
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.61	152	141463	20.00	ng	-0.09
21) Naphthalene-d8	7.50	136	532355	20.00	ng	-0.10
38) Acenaphthene-d10	10.29	164	238892	20.00	ng	-0.09
63) Phenanthrene-d10	12.71	188	376249	20.00	ng	-0.08
75) Chrysene-d12	16.92	240	319086	20.00	ng	-0.07
86) Perylene-d12	18.57	264	286752	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	3.92	112	228344	24.48	ng	-0.06
7) Phenol-d6	5.20	99	358539	28.77	ng	-0.08
23) Nitrobenzene-d5	6.45	82	208496	18.27	ng	-0.08
41) 2,4,6-Tribromophenol	11.61	330	53331	25.06	ng	-0.08
44) 2-Fluorobiphenyl	9.25	172	280063	16.50	ng	-0.09
78) Terphenyl-d14	15.31	244	211138	15.57	ng	-0.10
Target Compounds						
31) Naphthalene	7.55	128	120165	4.26	ng	# 96
37) 2-Methylnaphthalene	8.65	142	113051	6.38	ng	96
49) Dimethylphthalate	9.95	163	66975	3.52	ng	# 98
51) Acenaphthene	10.35	154	58940	3.98	ng	94
57) Fluorene	11.20	166	96113	5.37	ng	# 90
70) Phenanthrene	12.74	178	592550	27.41	ng	97
71) Anthracene	12.74	178	592550	26.46	ng	98
74) Fluoranthene	14.67	202	282669	12.78	ng	100
77) Pyrene	15.03	202	232374	10.12	ng	96
82) Chrysene	16.97	228	45683	2.44	ng	# 86

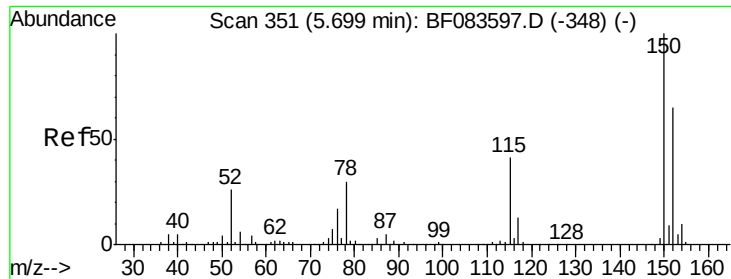
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 09 00:23:35 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.61 min Scan# 343

Delta R.T. -0.09 min

Lab File: BF083696.D

Acq: 11 Dec 2015 1:03

Instrument :

BNA_F

ClientSampleId :

LS-SB17B(22.5-23)DL

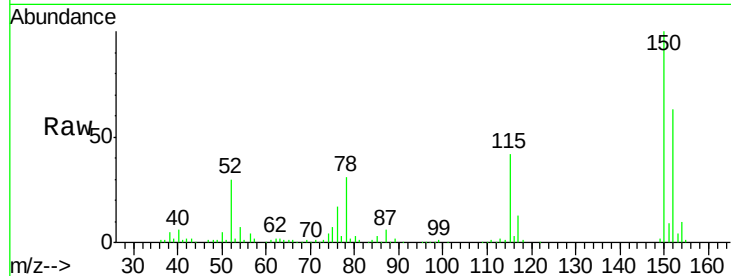
Tot Ion:152 Resp: 141463

Ion Ratio Lower Upper

152 100

150 158.0 126.5 189.7

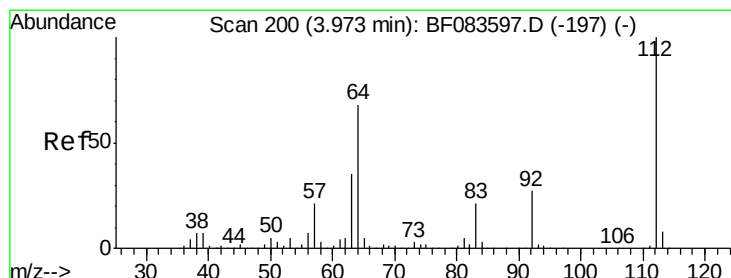
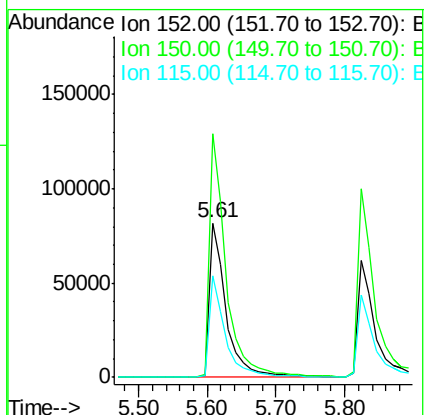
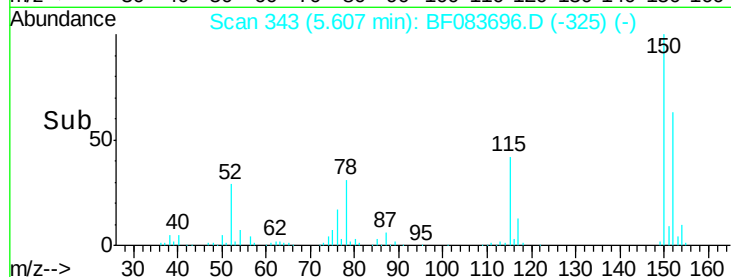
115 66.2 52.3 78.5



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: 24.48 ng

RT: 3.92 min Scan# 195

Delta R.T. -0.06 min

Lab File: BF083696.D

Acq: 11 Dec 2015 1:03

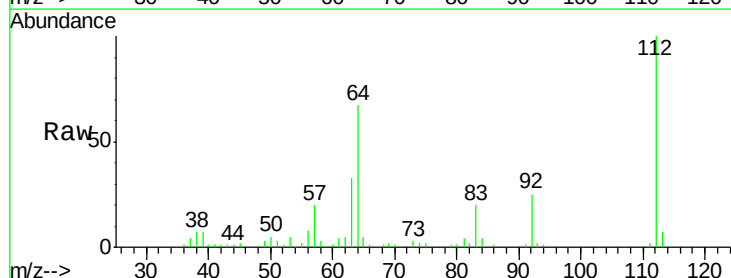
Tgt Ion:112 Resp: 228344

Ion Ratio Lower Upper

112 100

64 66.9 50.5 75.7

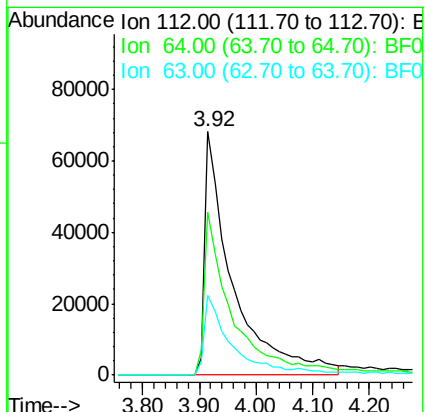
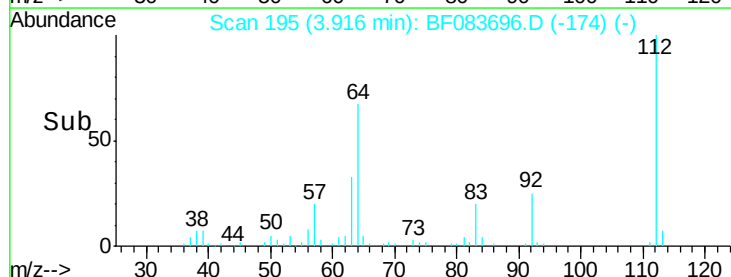
63 33.0 25.8 38.6

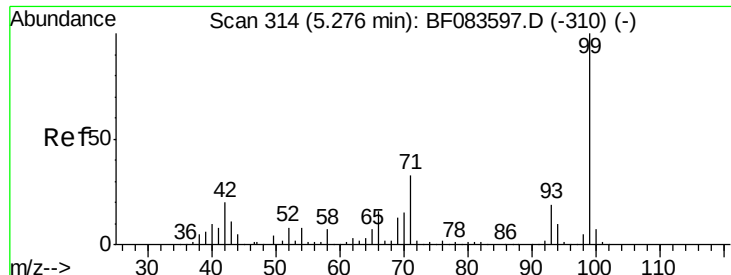


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.77 ng

RT: 5.20 min Scan# 307

Delta R.T. -0.08 min

Lab File: BF083696.D

Acq: 11 Dec 2015 1:03

Instrument :

BNA_F

ClientSampleId :

LS-SB17B(22.5-23)DL

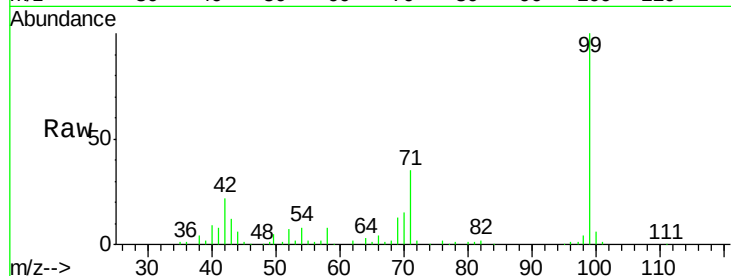
Tot Ion: 99 Resp: 358539

Ion Ratio Lower Upper

99 100

42 21.7 17.3 25.9

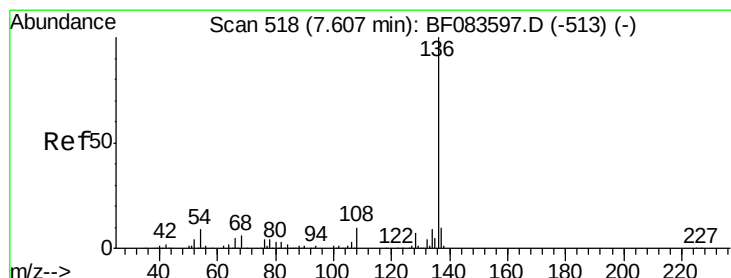
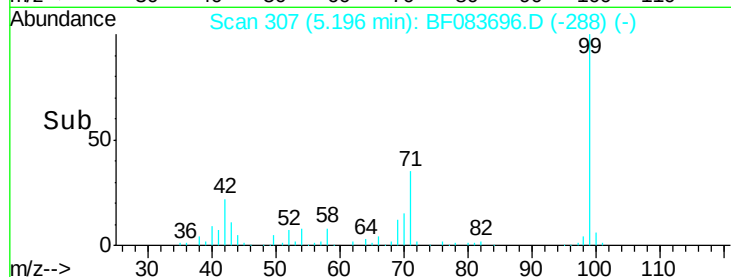
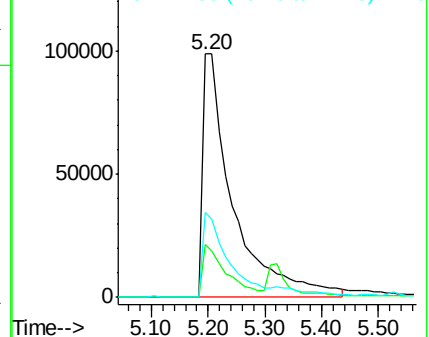
71 35.1 26.6 40.0



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: 7.50 min Scan# 509

Delta R.T. -0.10 min

Lab File: BF083696.D

Acq: 11 Dec 2015 1:03

Tgt Ion: 136 Resp: 532355

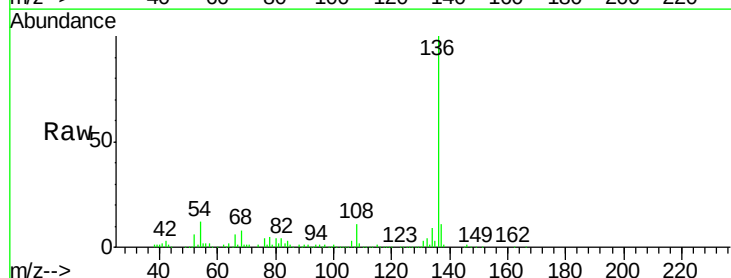
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 11.6 7.8 11.6

68 7.9 5.7 8.5

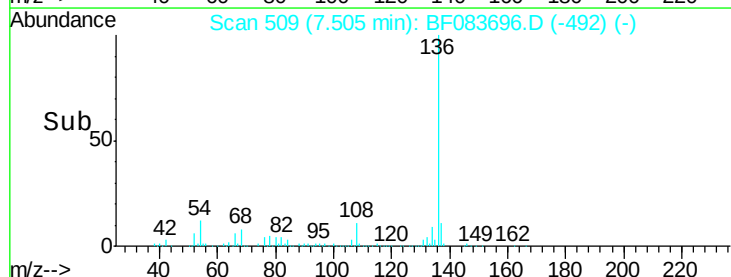
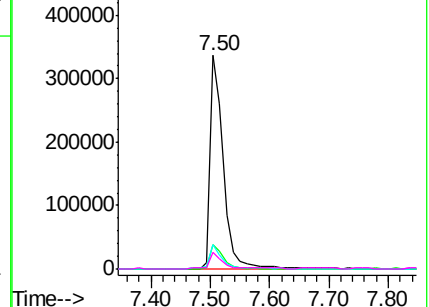


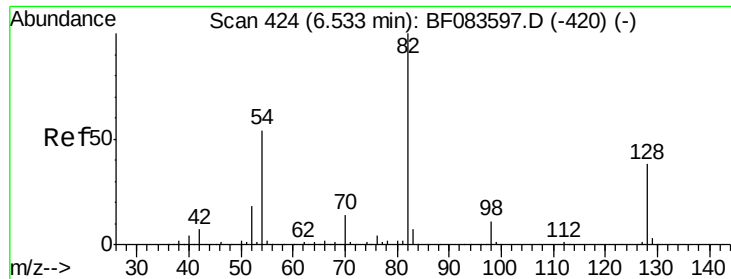
Abundance Ion 136.00 (135.70 to 136.70): E

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

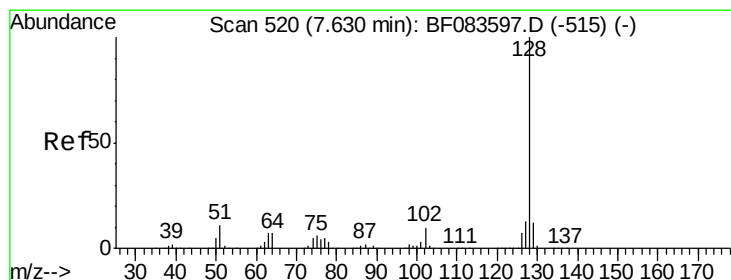
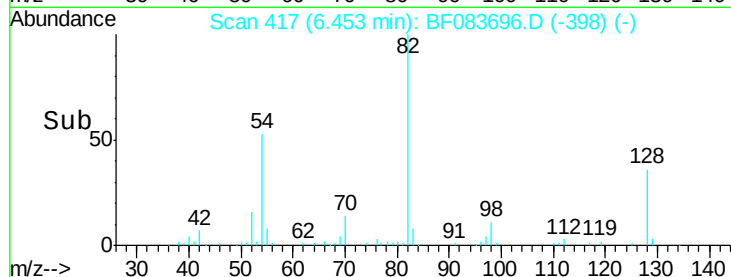
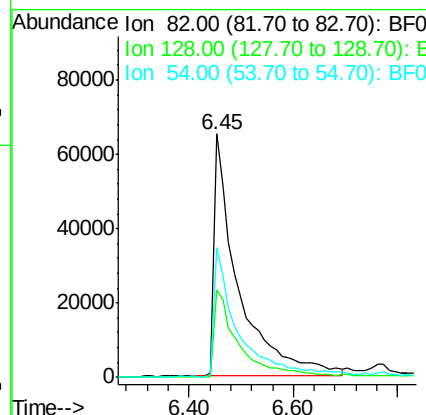
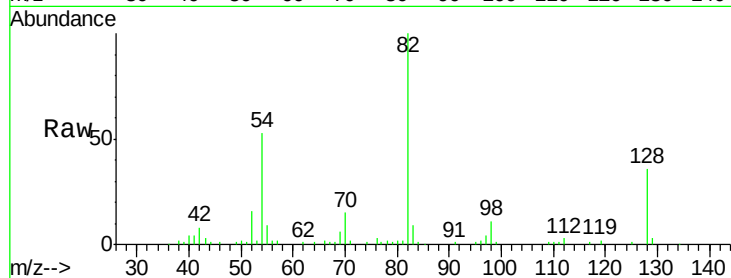




#23
Nitrobenzene-d5
Concen: 18.27 ng
RT: 6.45 min Scan# 417
Delta R.T. -0.08 min
Lab File: BF083696.D
Acq: 11 Dec 2015 1:03

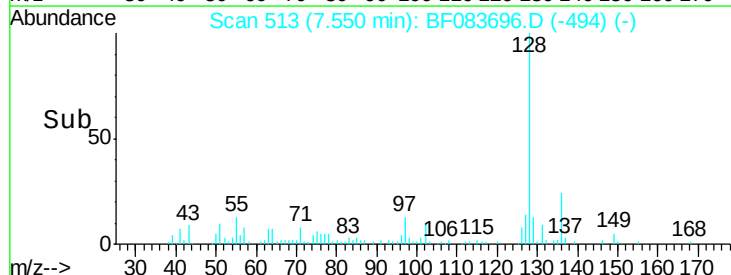
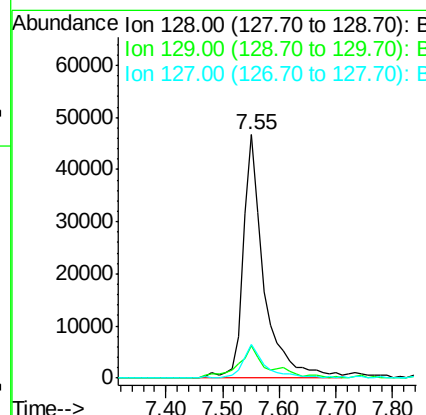
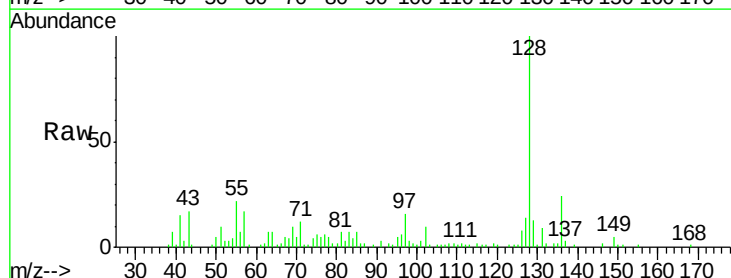
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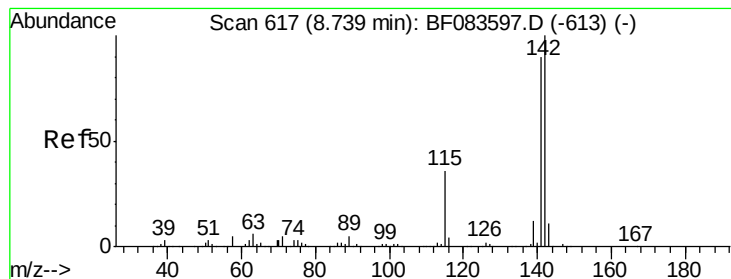
Tot Ion	82	Resp	208496
Ion Ratio	100	Lower	Upper
128	35.7	30.7	46.1
54	53.1	42.5	63.7



#31
Naphthalene
Concen: 4.26 ng
RT: 7.55 min Scan# 513
Delta R.T. -0.08 min
Lab File: BF083696.D
Acq: 11 Dec 2015 1:03

Tgt Ion	128	Resp	120165
Ion Ratio	100	Lower	Upper
129	13.2	8.6	13.0#
127	13.8	10.6	16.0





#37

2-Methylnaphthalene

Concen: 6.38 ng

RT: 8.65 min Scan# 609

Delta R.T. -0.09 min

Lab File: BF083696.D

Acq: 11 Dec 2015 1:03

Instrument :

BNA_F

ClientSampleId :

LS-SB17B(22.5-23)DL

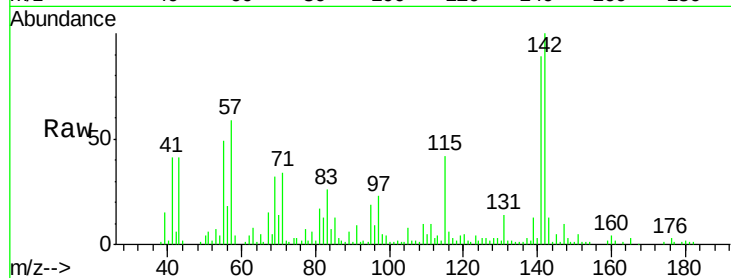
Tot Ion:142 Resp: 113051

Ion Ratio Lower Upper

142 100

141 89.4 70.3 105.5

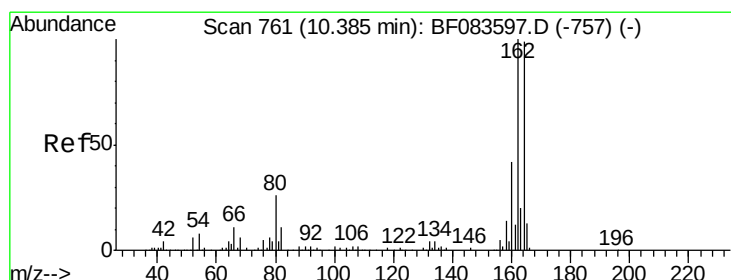
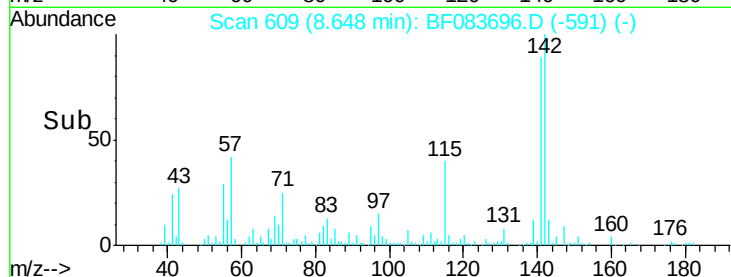
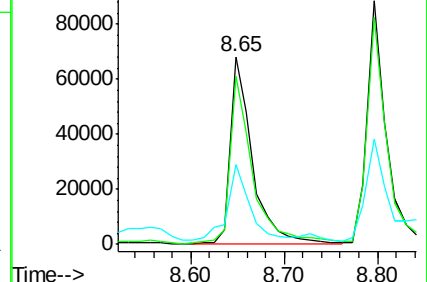
115 42.4 29.2 43.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.29 min Scan# 753

Delta R.T. -0.09 min

Lab File: BF083696.D

Acq: 11 Dec 2015 1:03

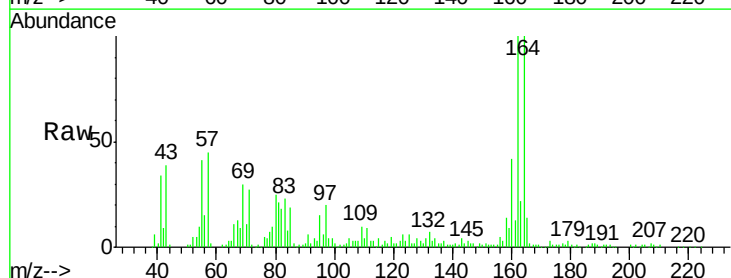
Tgt Ion:164 Resp: 238892

Ion Ratio Lower Upper

164 100

162 99.8 78.8 118.2

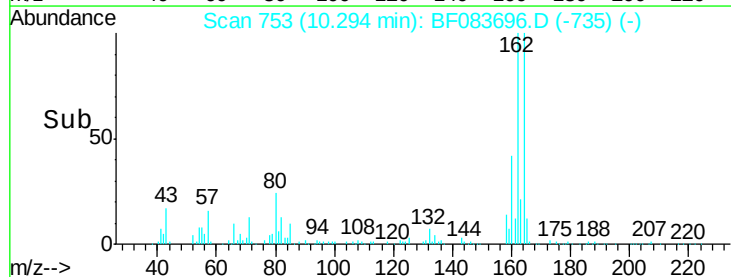
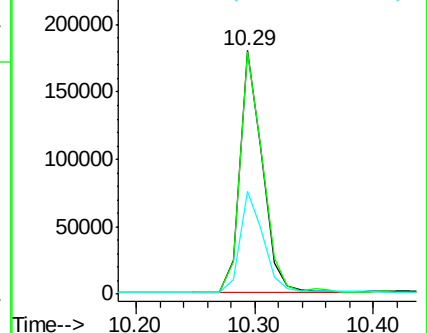
160 42.1 33.4 50.2

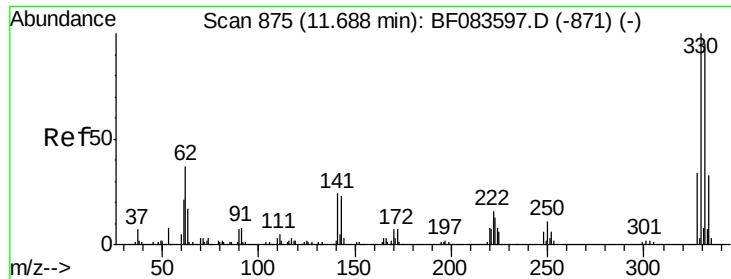


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

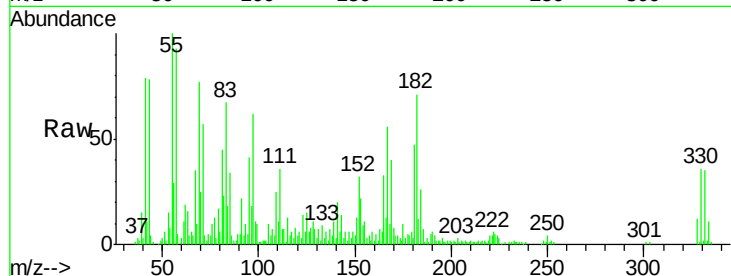




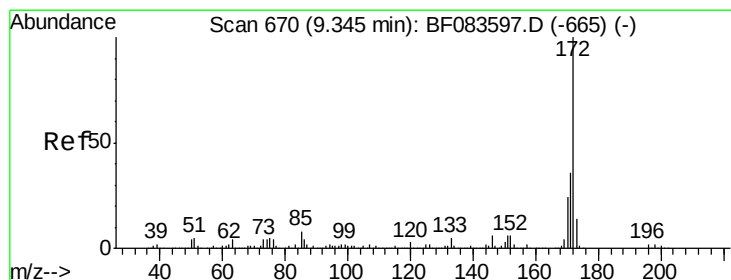
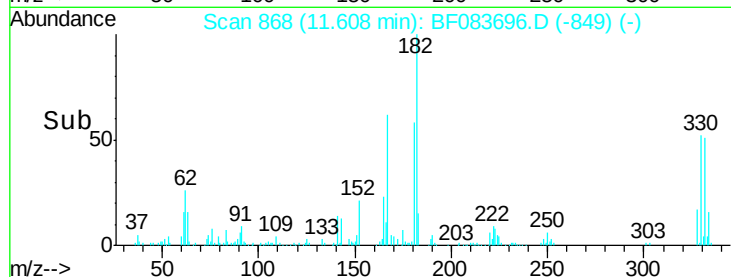
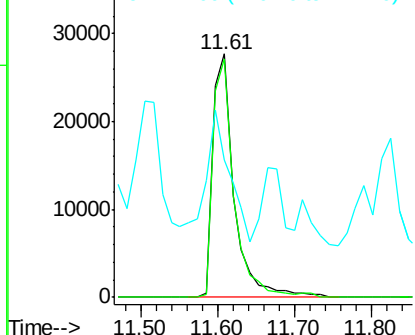
#41
 2,4,6-Tribromophenol
 Concen: 25.06 ng
 RT: 11.61 min Scan# 868
 Delta R.T. -0.08 min
 Lab File: BF083696.D
 Acq: 11 Dec 2015 1:03

Instrument :
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 ClientSampleId :
 LS-SB17B(22.5-23)DL

Tot Ion:330 Resp: 53331
 Ion Ratio Lower Upper
 330 100
 332 97.7 0.0 0.0#
 141 60.3 0.0 0.0#

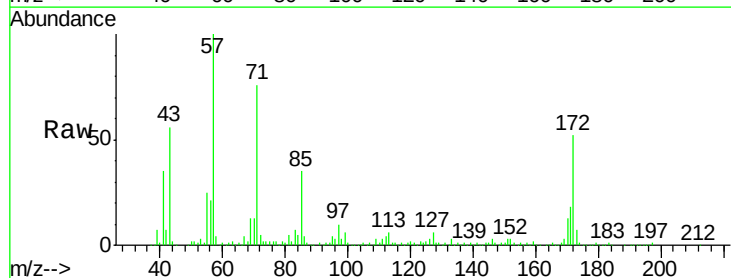


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

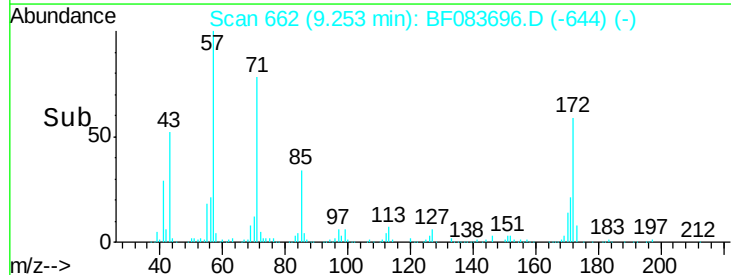
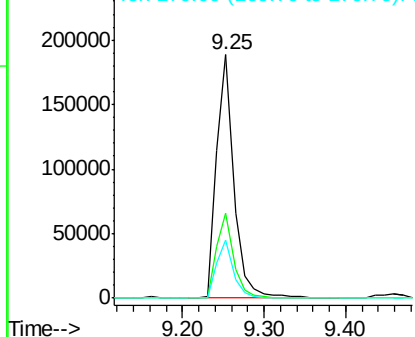


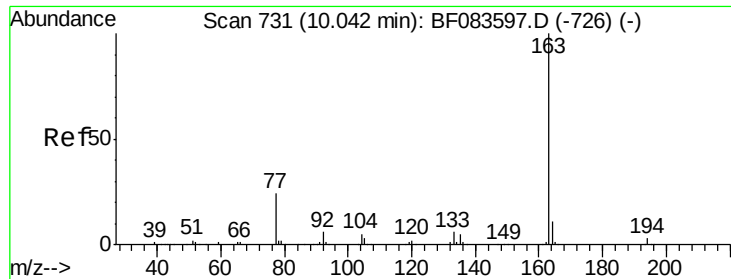
#44
 2-Fluorobiphenyl
 Concen: 16.50 ng
 RT: 9.25 min Scan# 662
 Delta R.T. -0.09 min
 Lab File: BF083696.D
 Acq: 11 Dec 2015 1:03

Tgt Ion:172 Resp: 280063
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 42.8
 170 24.1 19.4 29.0



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

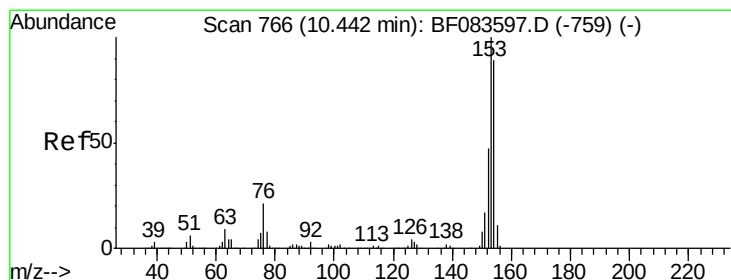
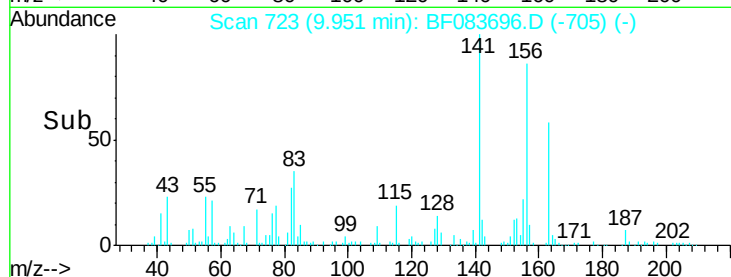
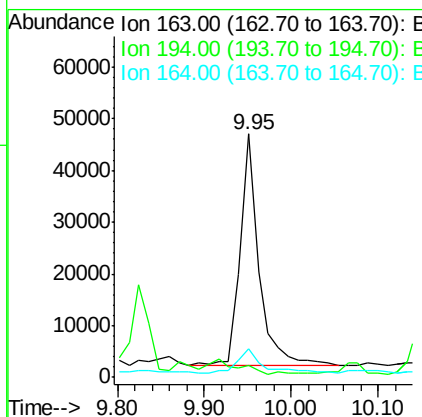
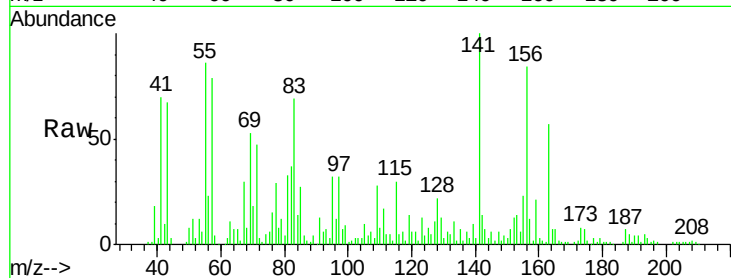




#49
Dimethylphthalate
Concen: 3.52 ng
RT: 9.95 min Scan# 723
Delta R.T. -0.09 min
Lab File: BF083696.D
Acq: 11 Dec 2015 1:03

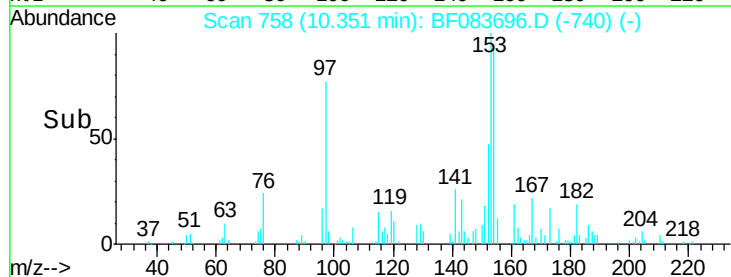
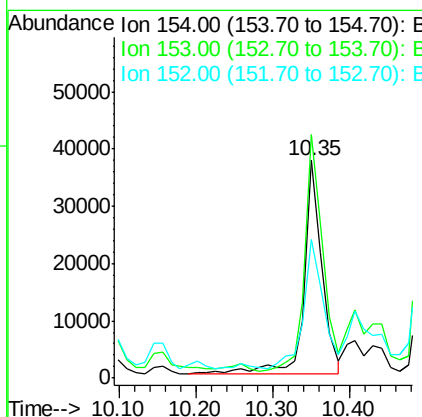
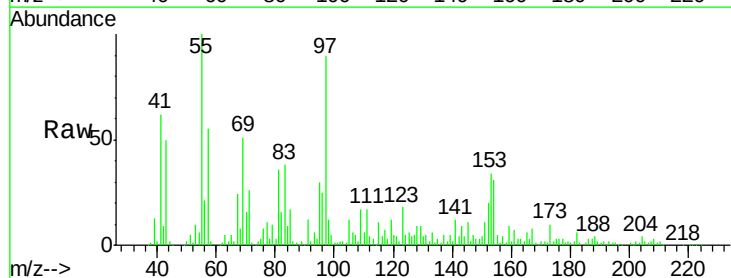
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BNA_F
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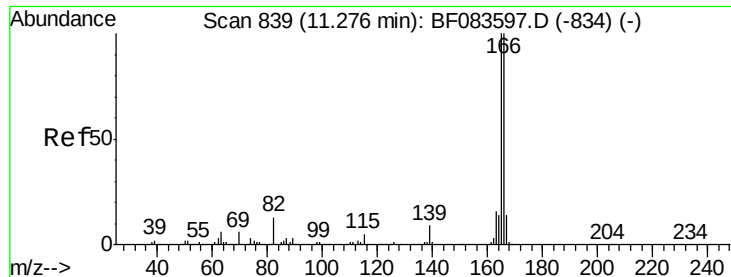
Tot Ion:163 Resp: 66975
Ion Ratio Lower Upper
163 100
194 4.7 2.8 4.2#
164 11.5 8.6 13.0



#51
Acenaphthene
Concen: 3.98 ng
RT: 10.35 min Scan# 758
Delta R.T. -0.09 min
Lab File: BF083696.D
Acq: 11 Dec 2015 1:03

Tgt Ion:154 Resp: 58940
Ion Ratio Lower Upper
154 100
153 111.9 91.4 137.0
152 63.7 43.4 65.2

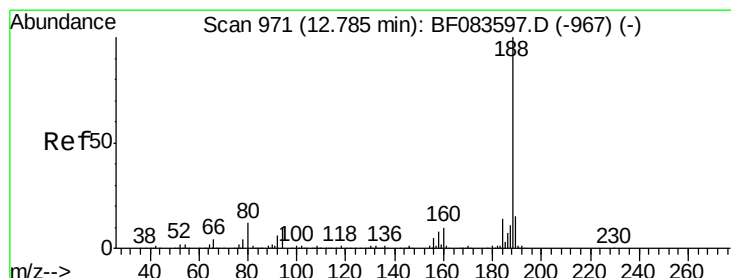
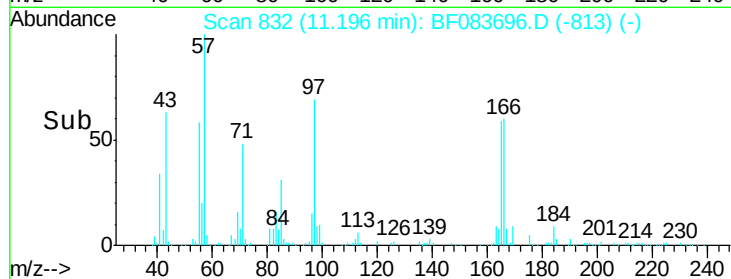
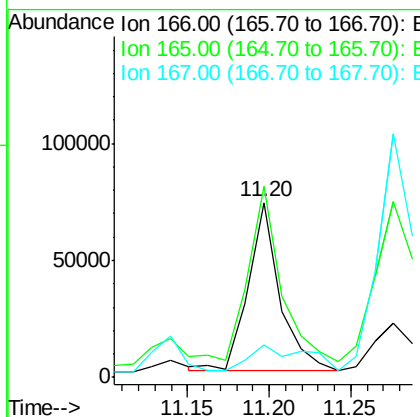
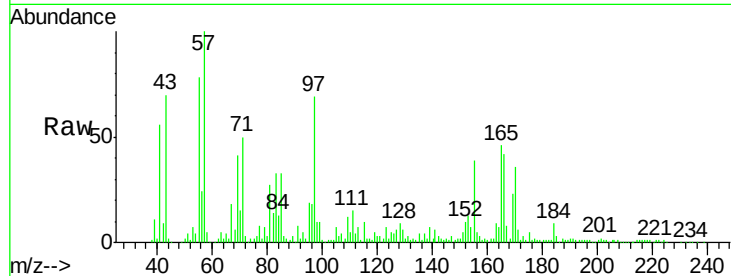




#57
Fluorene
Concen: 5.37 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.08 min
Lab File: BF083696.D
Acq: 11 Dec 2015 1:03

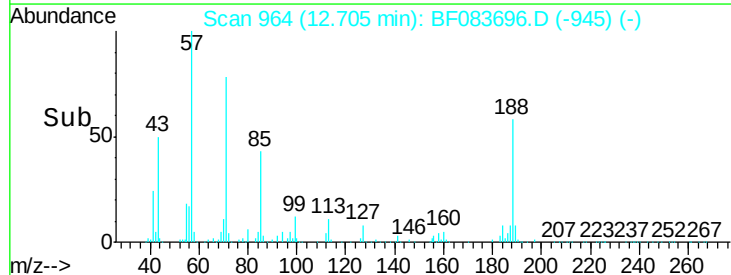
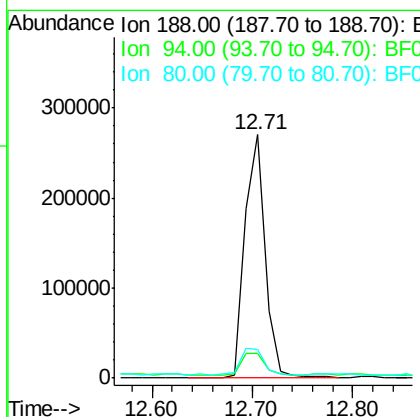
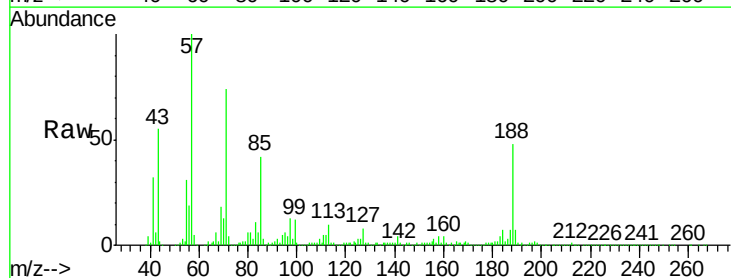
Instrument :
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LS-SB17B(22.5-23)DL

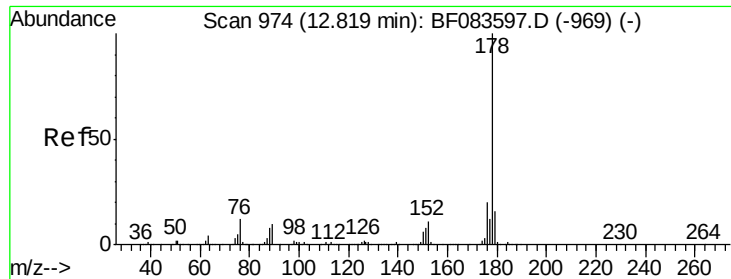
Tot Ion:166 Resp: 96113
Ion Ratio Lower Upper
166 100
165 109.3 80.0 120.0
167 18.8 10.6 16.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.71 min Scan# 964
Delta R.T. -0.08 min
Lab File: BF083696.D
Acq: 11 Dec 2015 1:03

Tgt Ion:188 Resp: 376249
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 11.8 10.6 16.0

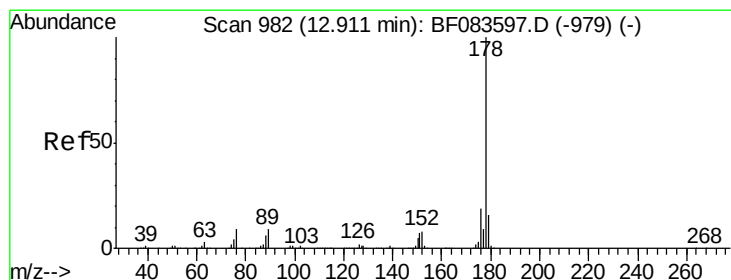
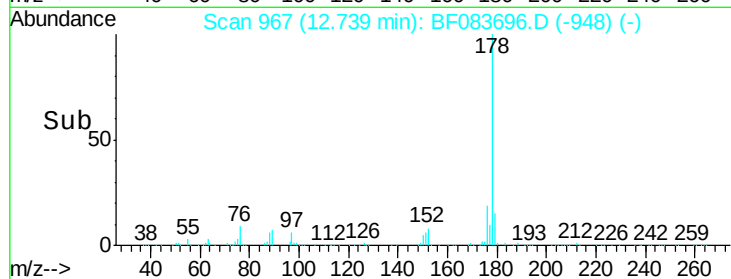
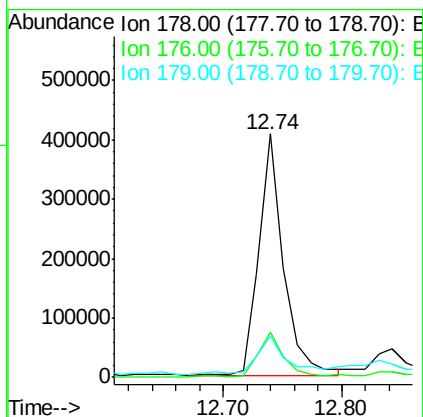
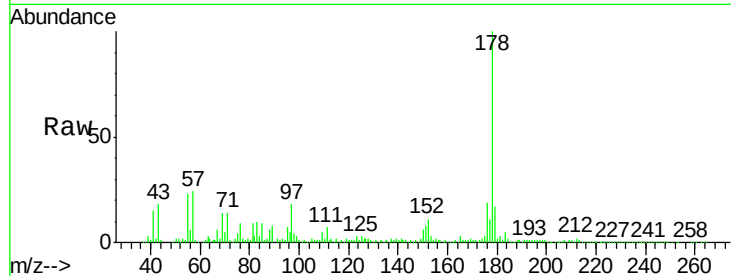




#70
Phenanthrene
Concen: 27.41 ng
RT: 12.74 min Scan# 967
Delta R.T. -0.08 min
Lab File: BF083696.D
Acq: 11 Dec 2015 1:03

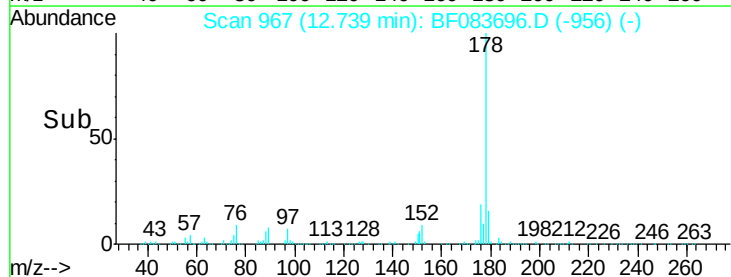
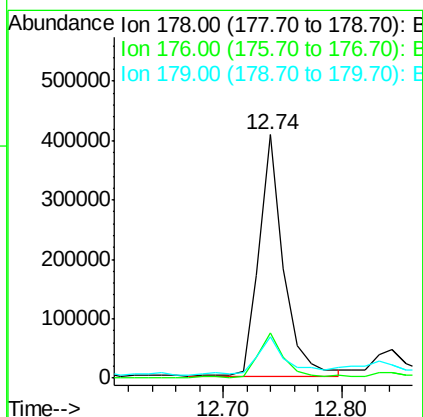
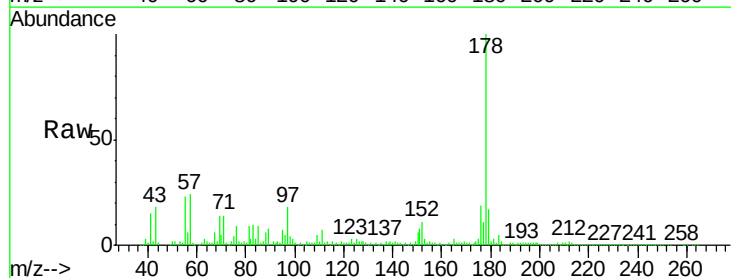
Instrument :
BNA_F
ClientSampleId :
LS-SB17B(22.5-23)DL

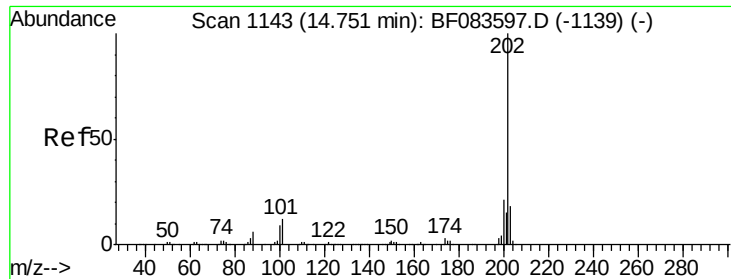
Tot Ion:178 Resp: 592550
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 17.1 12.2 18.4



#71
Anthracene
Concen: 26.46 ng
RT: 12.74 min Scan# 967
Delta R.T. -0.17 min
Lab File: BF083696.D
Acq: 11 Dec 2015 1:03

Tgt Ion:178 Resp: 592550
Ion Ratio Lower Upper
178 100
176 18.8 15.2 22.8
179 17.1 12.6 18.8

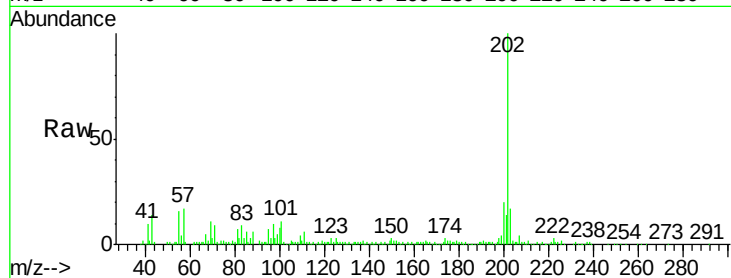




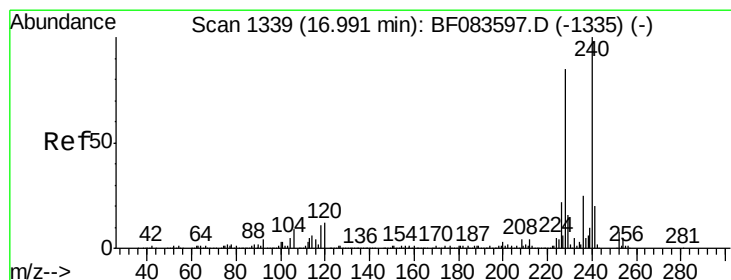
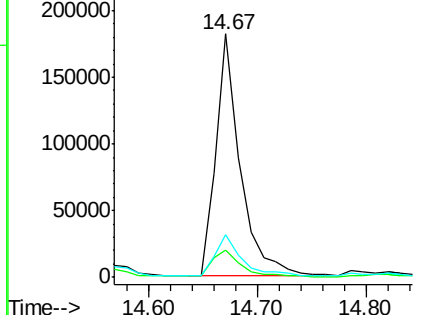
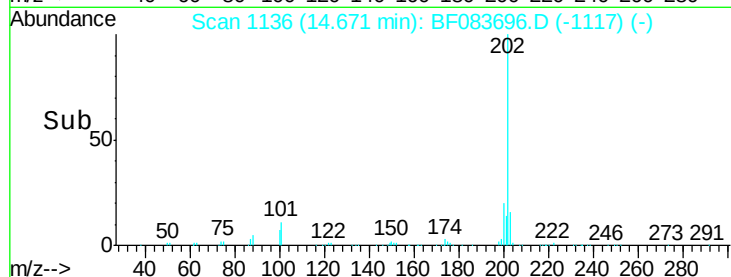
#74
 Fluoranthene
 Concen: 12.78 ng
 RT: 14.67 min Scan# 1136
 Delta R.T. -0.08 min
 Lab File: BF083696.D
 Acq: 11 Dec 2015 1:03

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB17B(22.5-23)DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.5
203	17.5	0.0	37.6

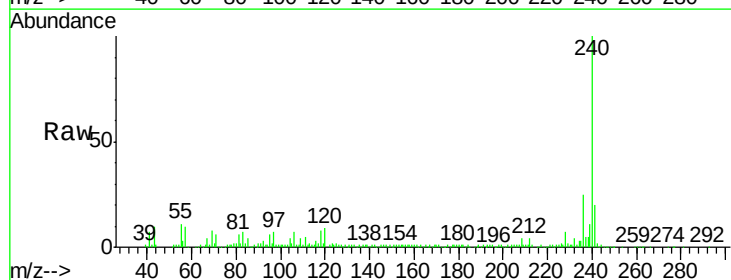


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

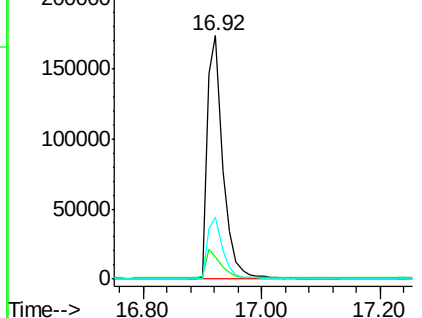
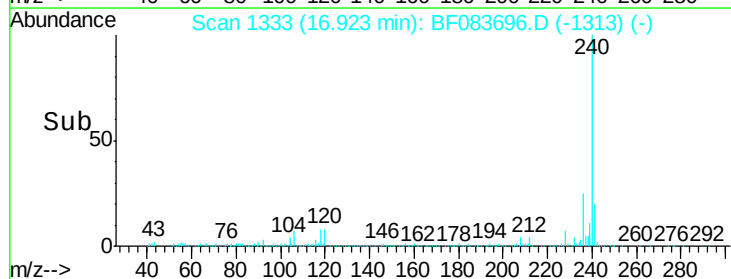


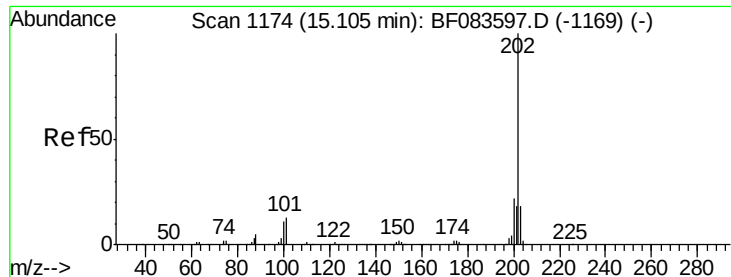
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.92 min Scan# 1333
 Delta R.T. -0.07 min
 Lab File: BF083696.D
 Acq: 11 Dec 2015 1:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.1	12.1
236	25.3	20.8	31.2



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

Pvrene

Concen: 10.12 ng

RT: 15.03 min Scan# 1167

Delta R.T. -0.08 min

Lab File: BF083696.D

Acq: 11 Dec 2015 1:03

Instrument :

BNA_F

ClientSampleId :

LS-SB17B(22.5-23)DL

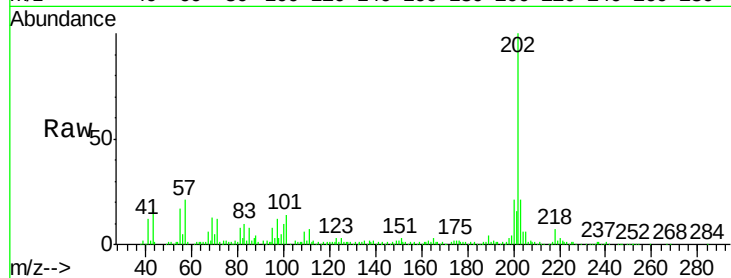
Tot Ion:202 Resp: 232374

Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

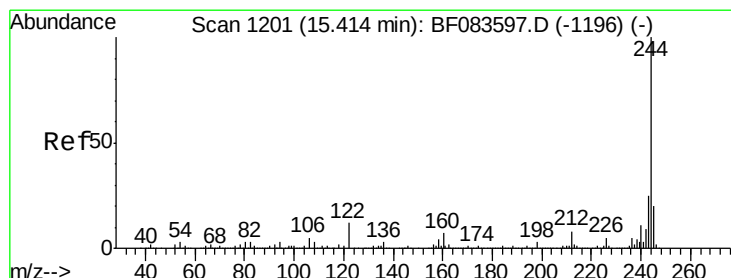
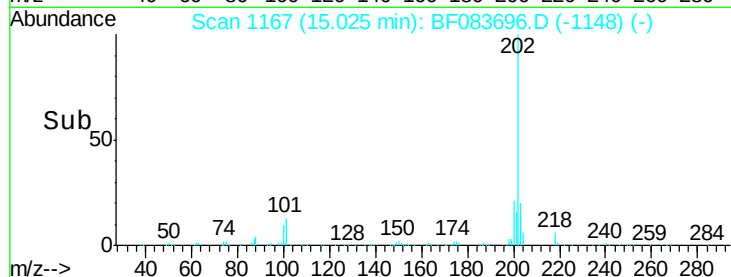
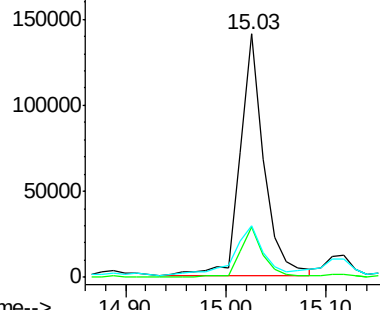
203 21.1 14.3 21.5



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: 15.57 ng

RT: 15.31 min Scan# 1192

Delta R.T. -0.10 min

Lab File: BF083696.D

Acq: 11 Dec 2015 1:03

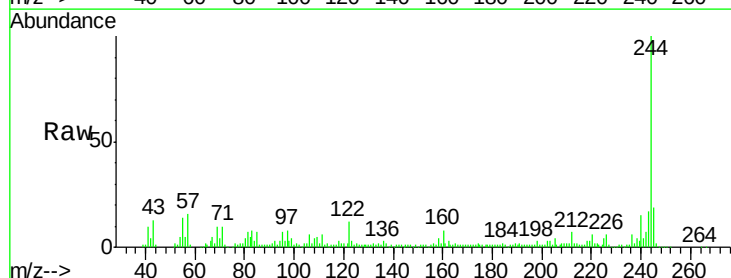
Tgt Ion:244 Resp: 211138

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

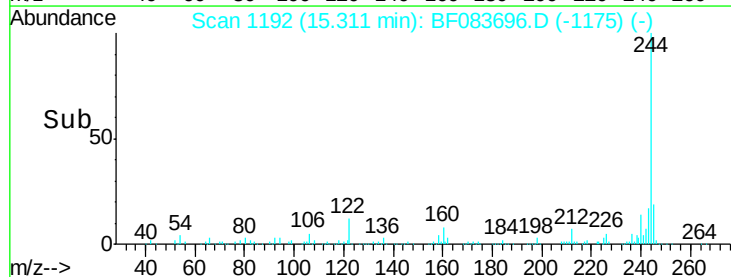
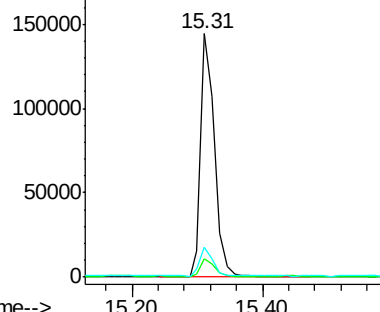
122 12.5 11.0 16.6

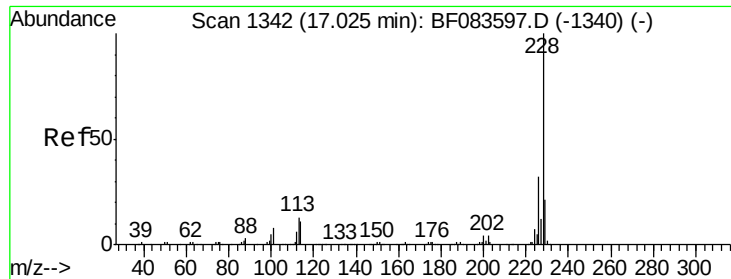


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.44 ng

RT: 16.97 min Scan# 1337

Delta R.T. -0.06 min

Lab File: BF083696.D

Acq: 11 Dec 2015 1:03

Instrument :

BNA_F

ClientSampleId :

LS-SB17B(22.5-23)DL

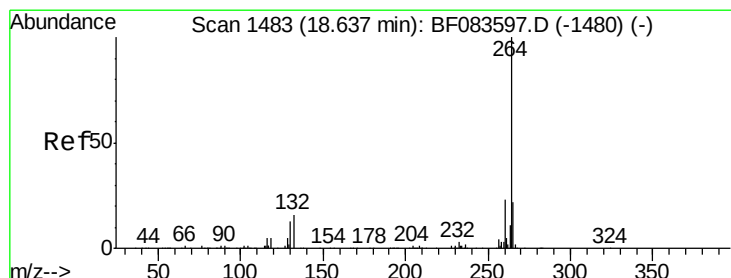
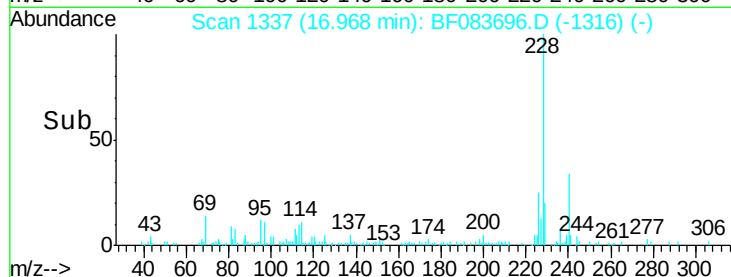
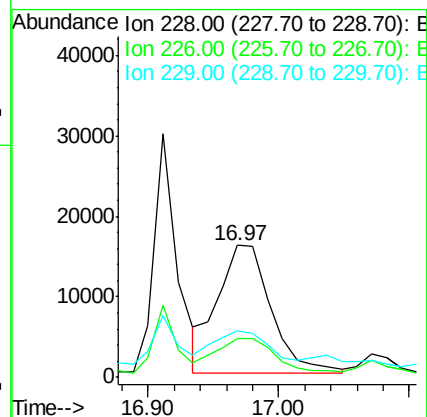
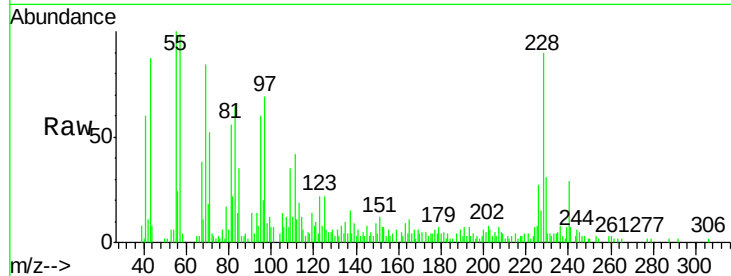
Tot Ion:228 Resp: 45683

Ion Ratio Lower Upper

228 100

226 29.4 24.7 37.1

229 34.8 16.3 24.5#



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.57 min Scan# 1477

Delta R.T. -0.07 min

Lab File: BF083696.D

Acq: 11 Dec 2015 1:03

Tgt Ion:264 Resp: 286752

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

265 21.4 17.8 26.6

