

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
 Data File : BF083985.D
 Acq On : 20 Dec 2015 7:45
 Operator : UM/SJ
 Sample : G4851-04
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-9

Quant Time: Dec 21 05:49:41 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

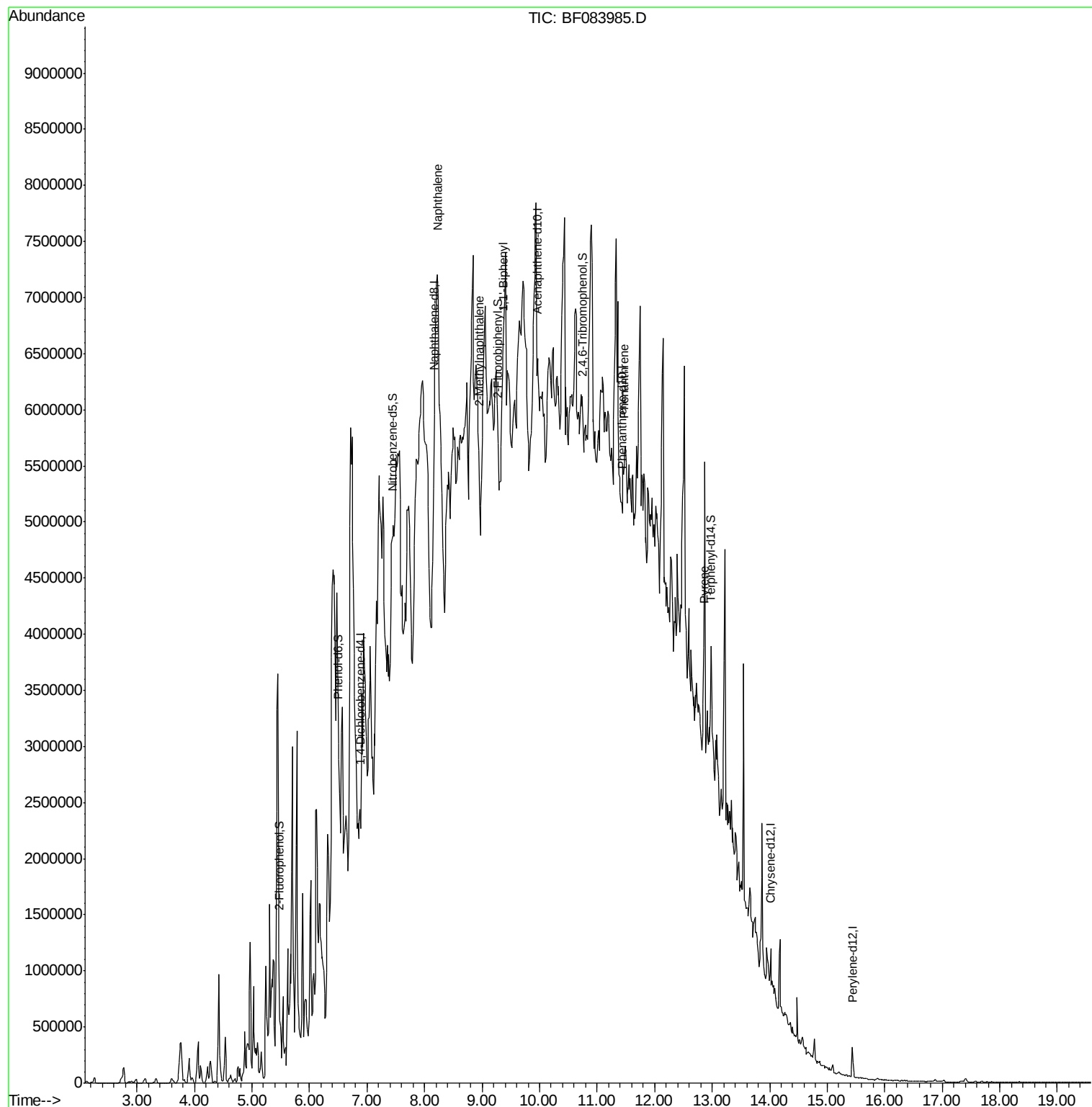
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	52582	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	97302	20.00	ng	0.01
38) Acenaphthene-d10	9.96	164	63478	20.00	ng	0.05
63) Phenanthrene-d10	11.44	188	93701	20.00	ng	0.05
75) Chrysene-d12	14.02	240	124825	20.00	ng	-0.01
86) Perylene-d12	15.44	264	121540	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	149713	44.56	ng	-0.01
7) Phenol-d6	6.50	99	263543	64.08	ng	-0.01
23) Nitrobenzene-d5	7.45	82	174841	102.55	ng	0.01
41) 2,4,6-Tribromophenol	10.75	330	23658	33.83	ng	0.05
44) 2-Fluorobiphenyl	9.28	172	227299	46.78	ng	0.04
78) Terphenyl-d14	12.98	244	244524	42.68	ng	0.00
Target Compounds						
31) Naphthalene	8.22	128	1039688	220.68	ng	# 46
37) 2-Methylnaphthalene	8.94	142	1288927	381.13	ng	# 93
45) 1,1'-Biphenyl	9.37	154	231504	43.40	ng	# 93
70) Phenanthrene	11.47	178	194334	34.33	ng	# 65
77) Pyrene	12.85	202	111043	13.13	ng	# 92

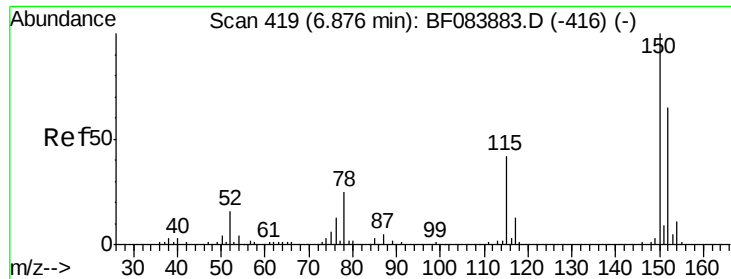
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 18 14:23:22 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.00 min

Lab File: BF083985.D

Acq: 20 Dec 2015 7:45

Instrument :

BNA_F

ClientSampleId :

UST-9

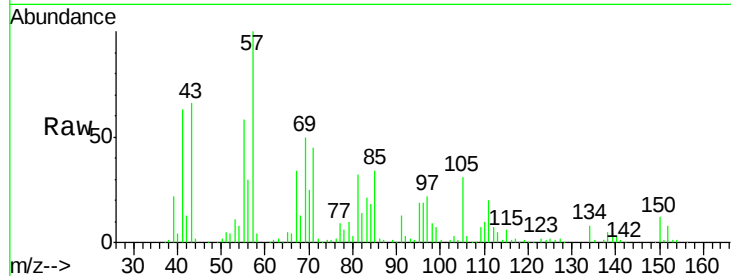
Tot Ion:152 Resp: 52582

Ion Ratio Lower Upper

152 100

150 150.9 123.0 184.4

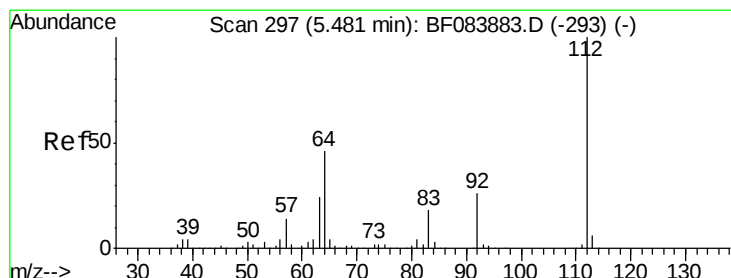
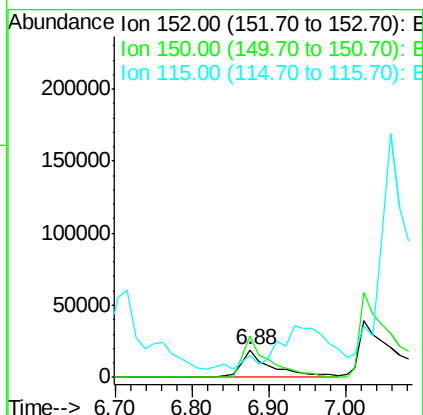
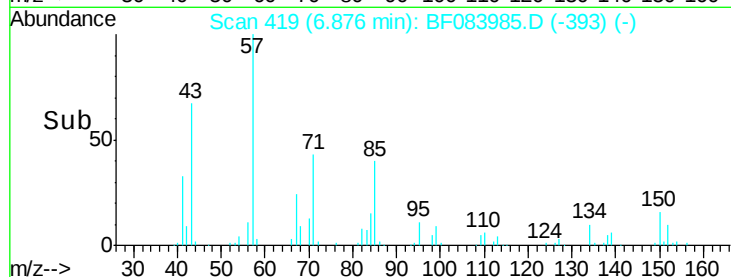
115 78.6 51.4 77.2#



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: 44.56 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.01 min

Lab File: BF083985.D

Acq: 20 Dec 2015 7:45

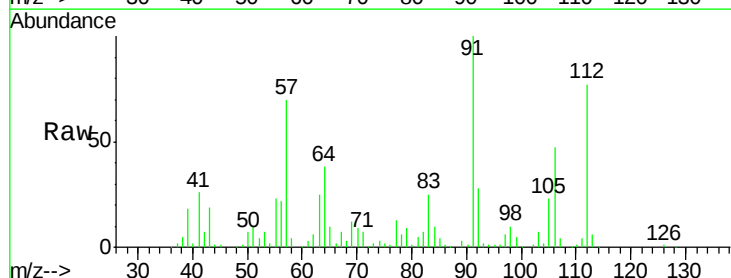
Tgt Ion:112 Resp: 149713

Ion Ratio Lower Upper

112 100

64 49.1 36.6 55.0

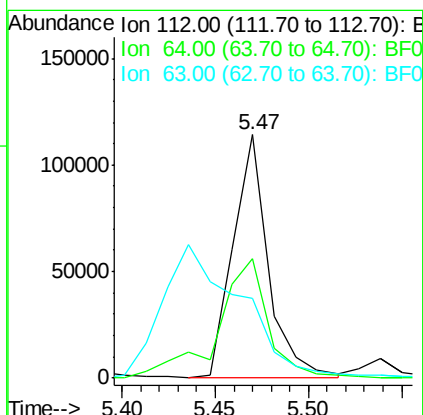
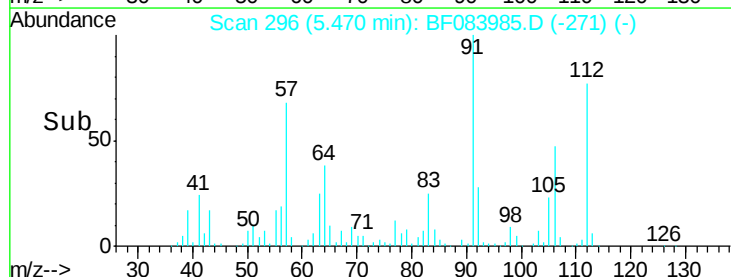
63 32.8 19.4 29.0#

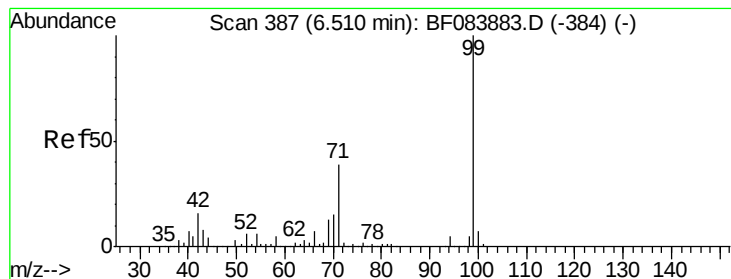


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 64.08 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083985.D

Acq: 20 Dec 2015 7:45

Instrument :

BNA_F

ClientSampled :

UST-9

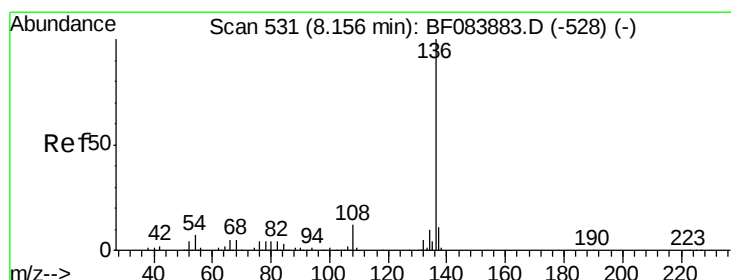
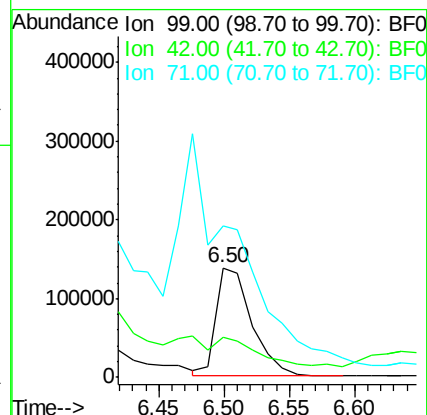
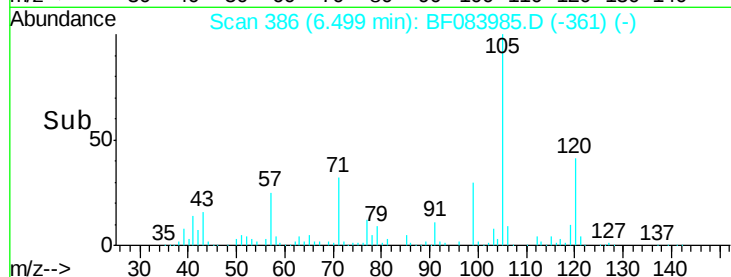
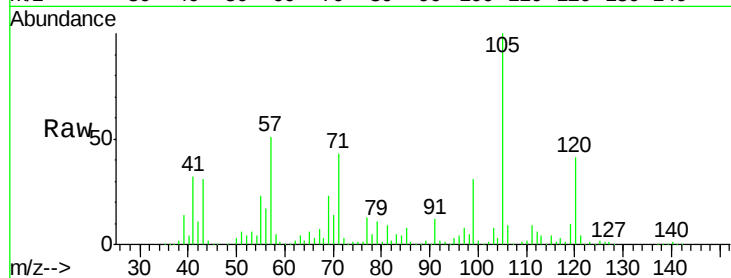
Tot Ion: 99 Resp: 263543

Ion Ratio Lower Upper

99 100

42 36.6 12.8 19.2#

71 138.7 30.9 46.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. 0.01 min

Lab File: BF083985.D

Acq: 20 Dec 2015 7:45

Tgt Ion: 136 Resp: 97302

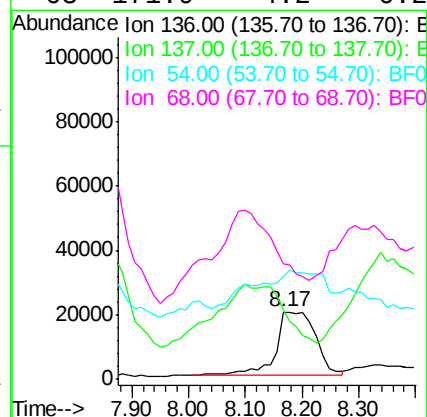
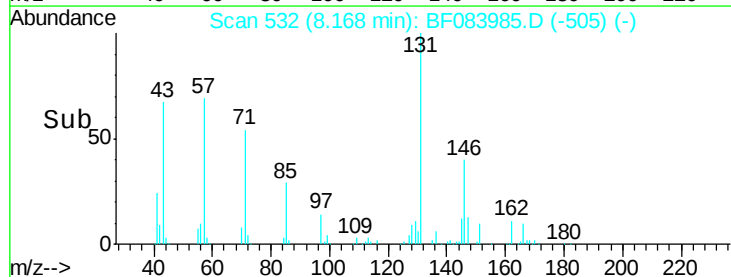
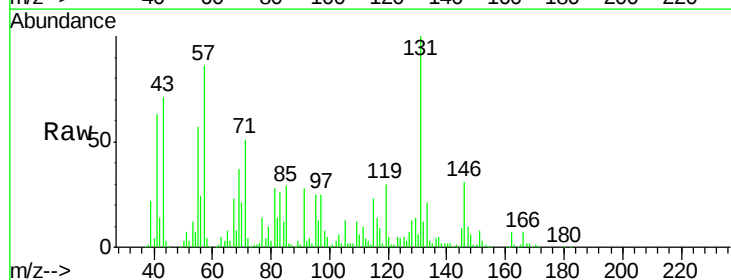
Ion Ratio Lower Upper

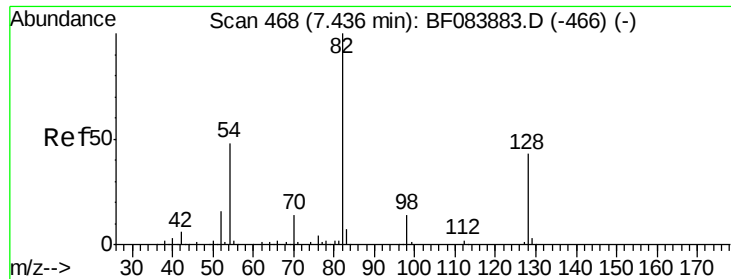
136 100

137 104.4 8.7 13.1#

54 153.2 5.8 8.8#

68 171.9 4.2 6.2#

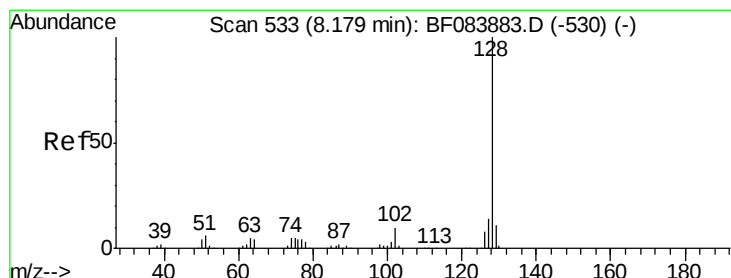
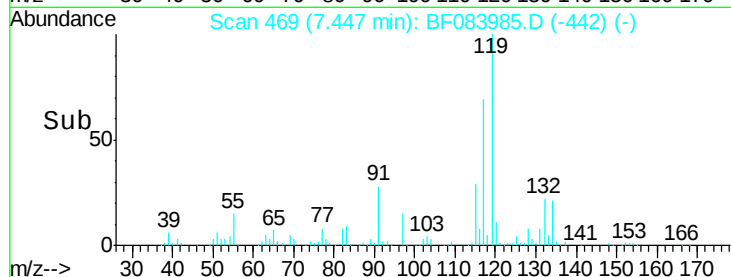
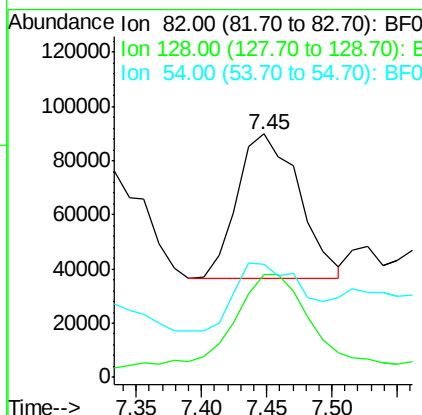
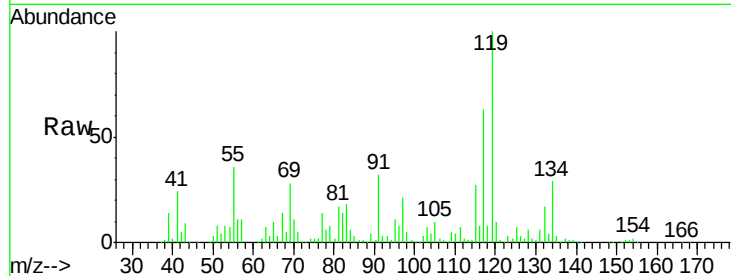




#23
 Nitrobenzene-d5
 Concen: 102.55 ng
 RT: 7.45 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: BF083985.D
 Acq: 20 Dec 2015 7:45

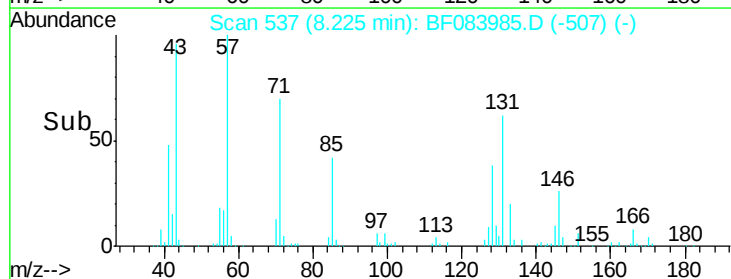
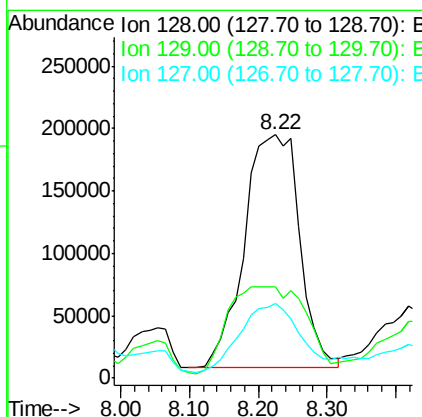
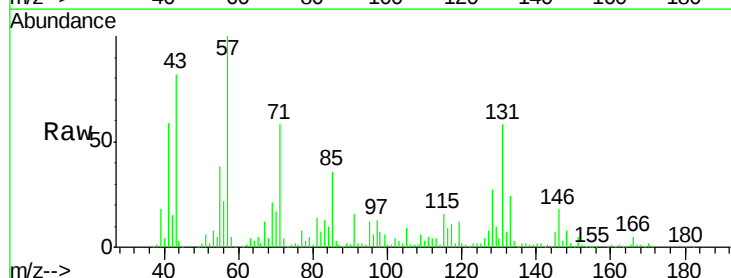
Instrument :
 BNA_F
 ClientSampleId :
 UST-9

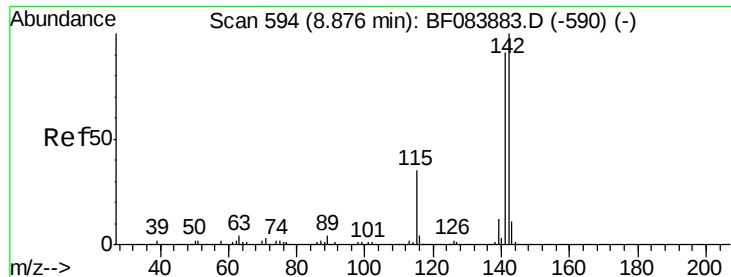
Tot Ion: 82 Resp: 174841
 Ion Ratio Lower Upper
 82 100
 128 42.4 34.6 51.8
 54 46.5 38.4 57.6



#31
 Naphthalene
 Concen: 220.68 ng
 RT: 8.22 min Scan# 537
 Delta R.T. 0.05 min
 Lab File: BF083985.D
 Acq: 20 Dec 2015 7:45

Tgt Ion:128 Resp: 1039688
 Ion Ratio Lower Upper
 128 100
 129 37.6 9.1 13.7#
 127 30.7 11.1 16.7#

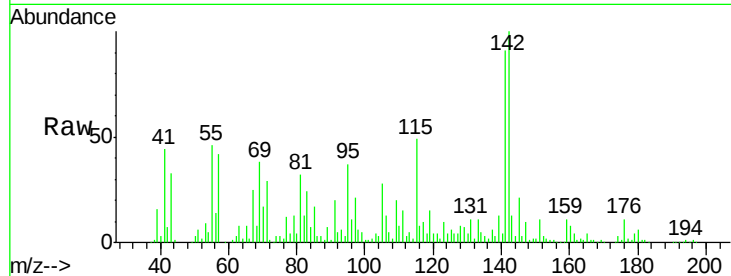




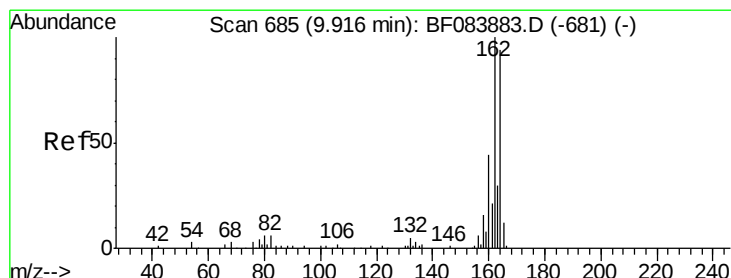
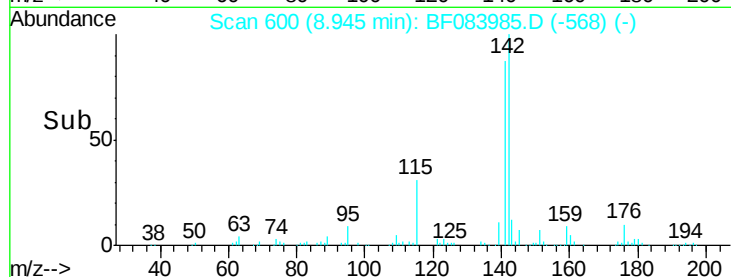
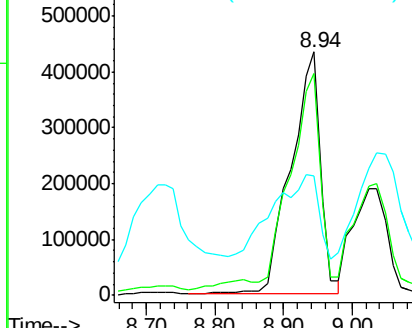
#37
2-Methylnaphthalene
Concen: 381.13 ng
RT: 8.94 min Scan# 600
Delta R.T. 0.07 min
Lab File: BF083985.D
Acq: 20 Dec 2015 7:45

Instrument :
BNA_F
ClientSampleId :
UST-9

Tot Ion:142 Resp: 1288927
Ion Ratio Lower Upper
142 100
141 91.3 72.4 108.6
115 49.0 27.9 41.9#

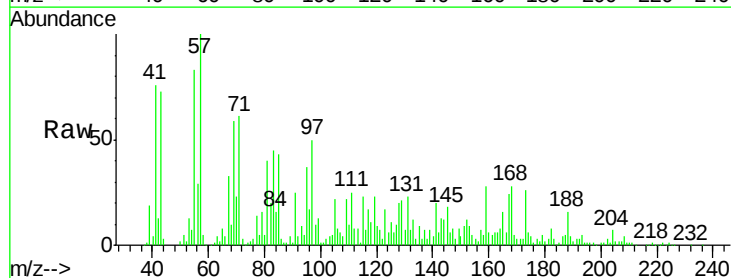


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

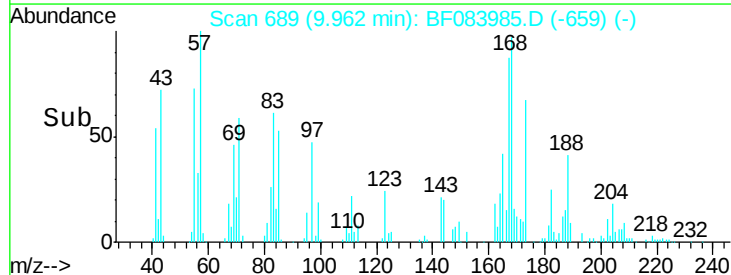
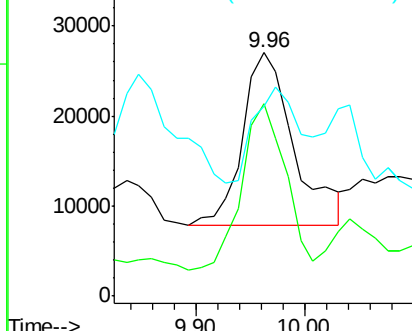


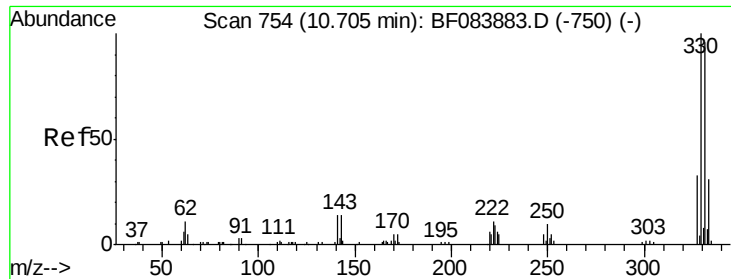
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.05 min
Lab File: BF083985.D
Acq: 20 Dec 2015 7:45

Tgt Ion:164 Resp: 63478
Ion Ratio Lower Upper
164 100
162 79.1 85.1 127.7#
160 77.9 37.5 56.3#



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

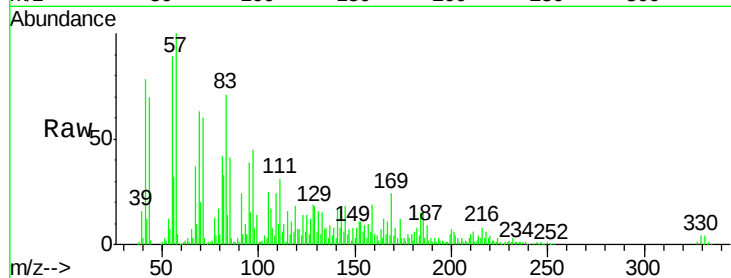




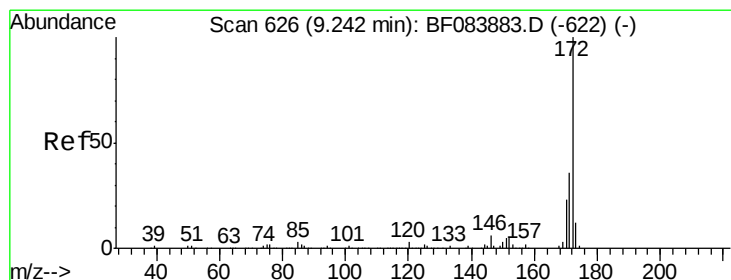
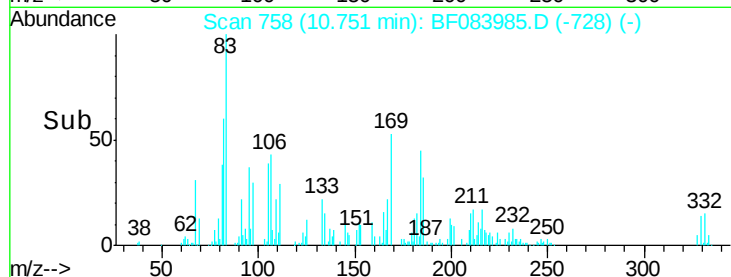
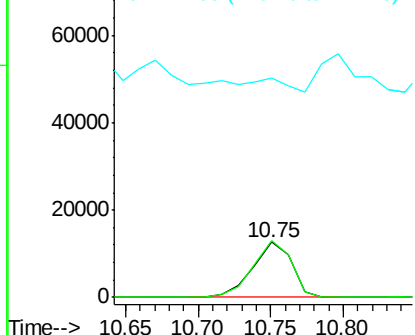
#41
 2,4,6-Tribromophenol
 Concen: 33.83 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.05 min
 Lab File: BF083985.D
 Acq: 20 Dec 2015 7:45

Instrument :
 BNA_F
 ClientSampleId :
 UST-9

Tot Ion:330 Resp: 23658
 Ion Ratio Lower Upper
 330 100
 332 100.7 76.6 114.8
 141 0.0 27.8 41.6#

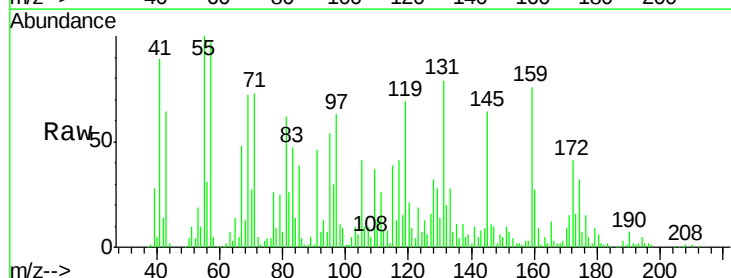


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

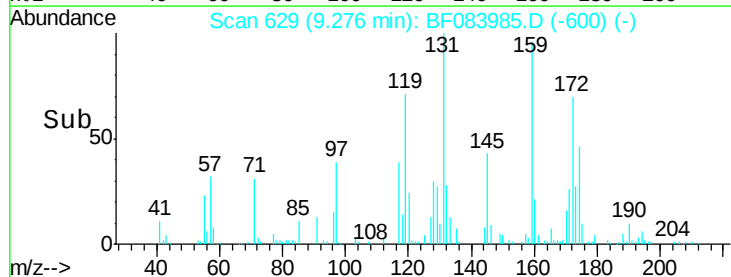
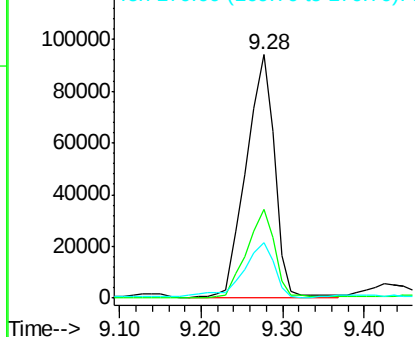


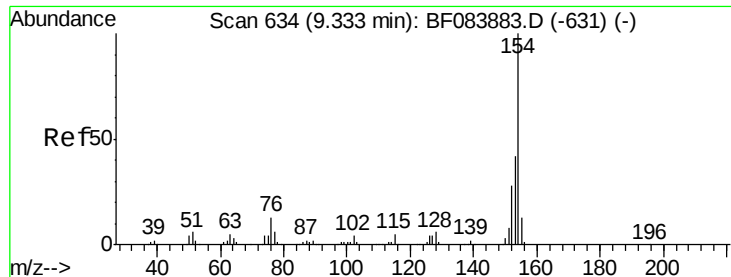
#44
 2-Fluorobiphenyl
 Concen: 46.78 ng
 RT: 9.28 min Scan# 629
 Delta R.T. 0.04 min
 Lab File: BF083985.D
 Acq: 20 Dec 2015 7:45

Tgt Ion:172 Resp: 227299
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.9 43.3
 170 23.0 18.6 27.8



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





#45

1,1'-Biphenyl

Concen: 43.40 ng

RT: 9.37 min Scan# 637

Delta R.T. 0.03 min

Lab File: BF083985.D

Acq: 20 Dec 2015 7:45

Instrument :

BNA_F

ClientSampled :

UST-9

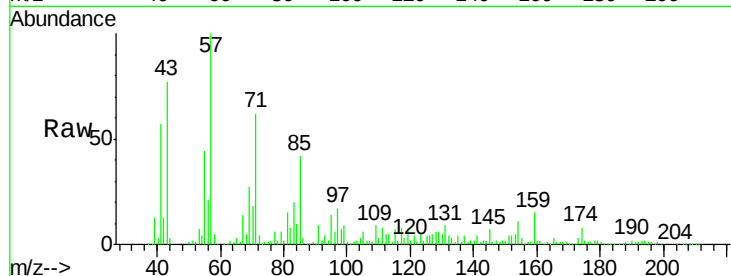
Tot Ion:154 Resp: 231504

Ion Ratio Lower Upper

154 100

153 46.9 21.6 61.6

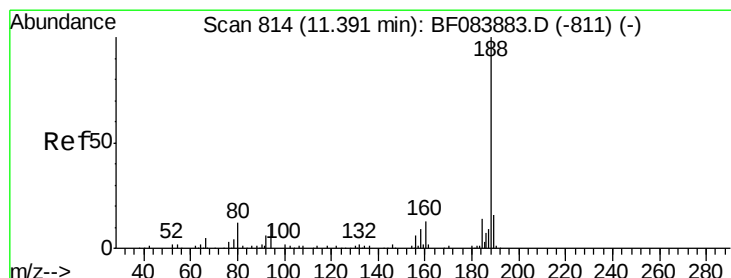
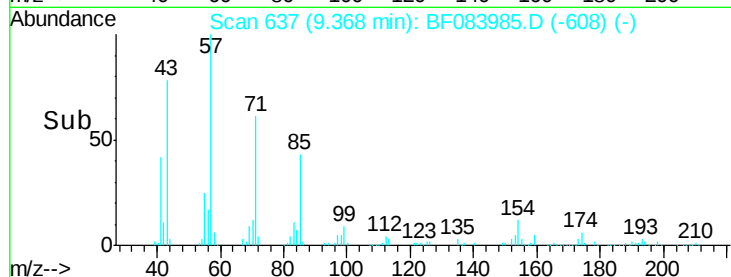
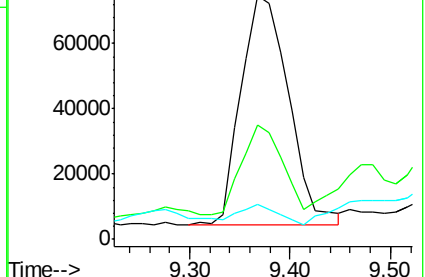
76 14.4 0.0 32.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.05 min

Lab File: BF083985.D

Acq: 20 Dec 2015 7:45

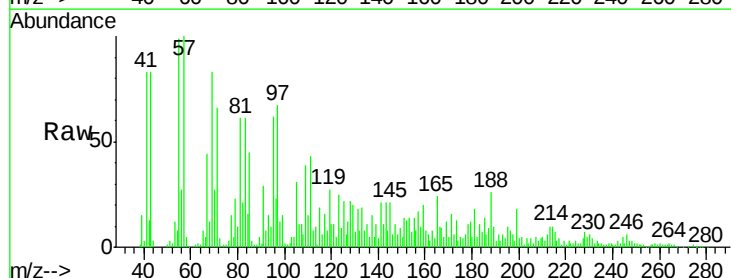
Tgt Ion:188 Resp: 93701

Ion Ratio Lower Upper

188 100

94 38.0 9.0 13.4#

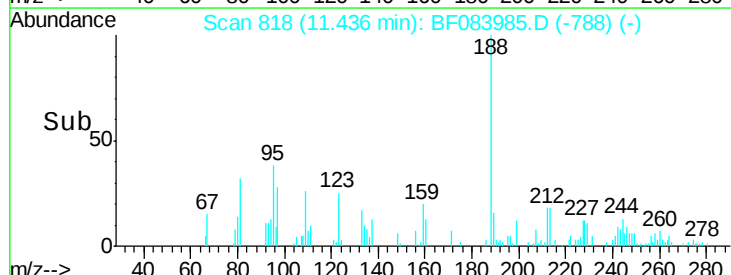
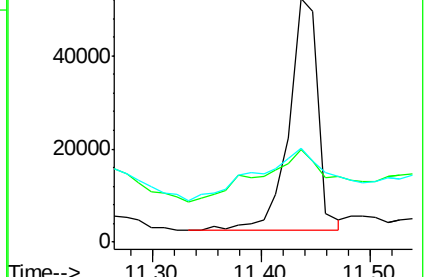
80 38.5 9.6 14.4#

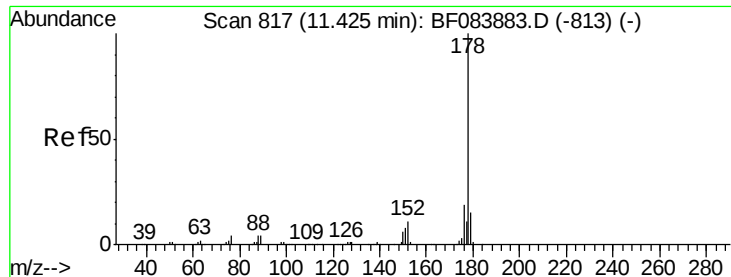


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 34.33 ng

RT: 11.47 min Scan# 821

Delta R.T. 0.05 min

Lab File: BF083985.D

Acq: 20 Dec 2015 7:45

Instrument :

BNA_F

ClientSampleId :

UST-9

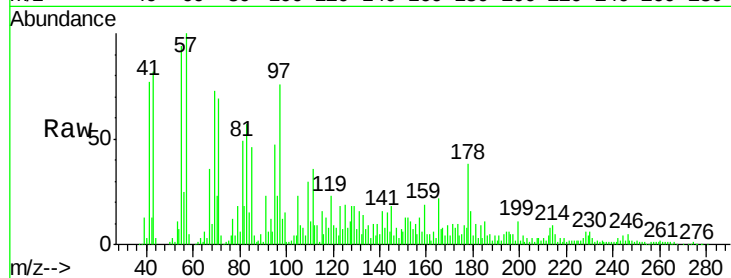
Tot Ion:178 Resp: 194334

Ion Ratio Lower Upper

178 100

176 22.9 15.3 22.9

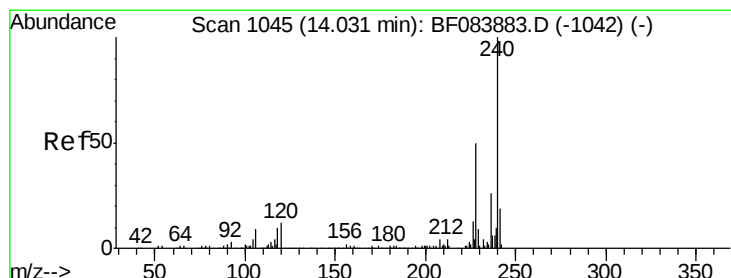
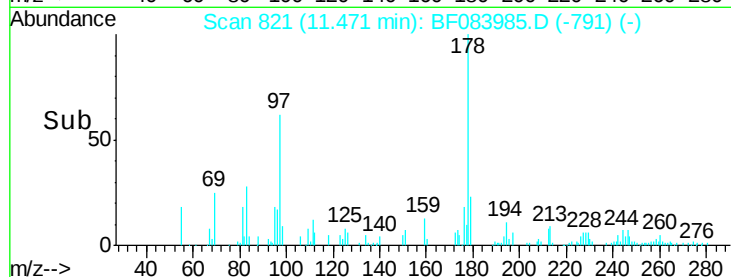
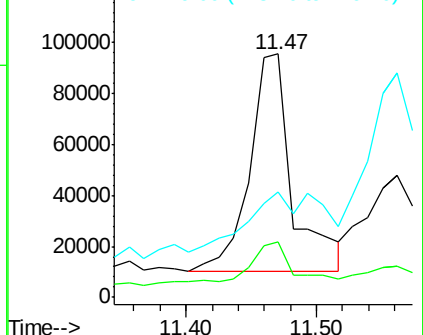
179 43.5 12.0 18.0#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF083985.D

Acq: 20 Dec 2015 7:45

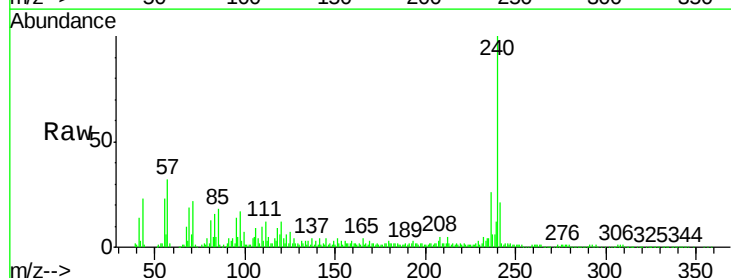
Tgt Ion:240 Resp: 124825

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

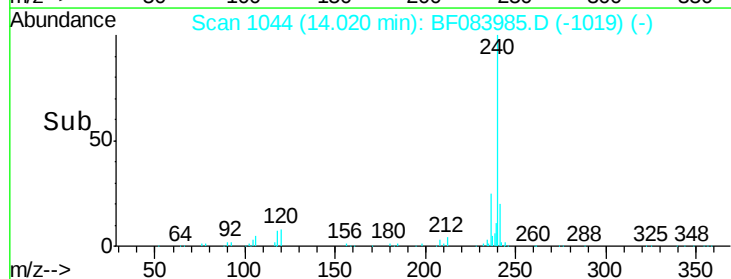
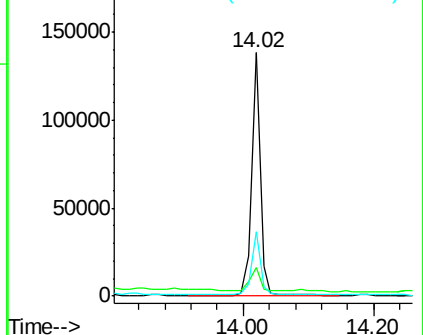
236 26.3 20.6 31.0

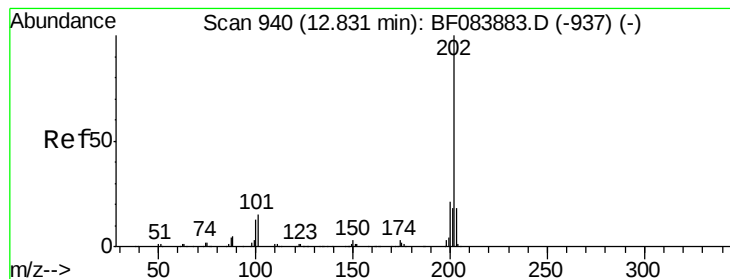


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.13 ng

RT: 12.85 min Scan# 942

Delta R.T. 0.02 min

Lab File: BF083985.D

Acq: 20 Dec 2015 7:45

Instrument :

BNA_F

ClientSampleID :

UST-9

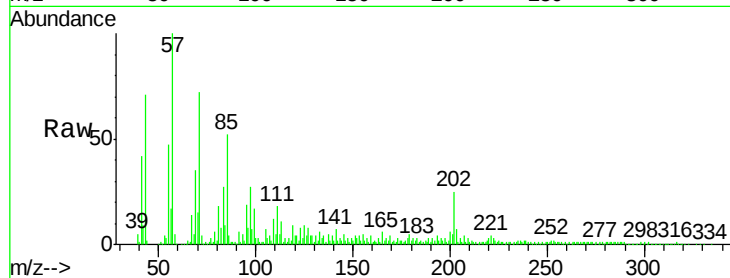
Tot Ion:202 Resp: 111043

Ion Ratio Lower Upper

202 100

200 21.7 17.2 25.8

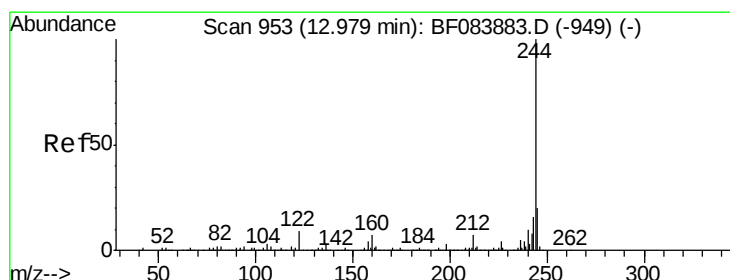
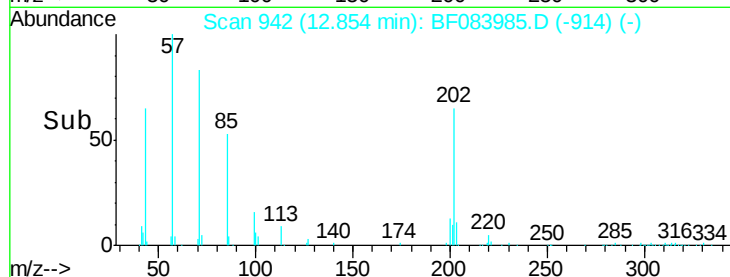
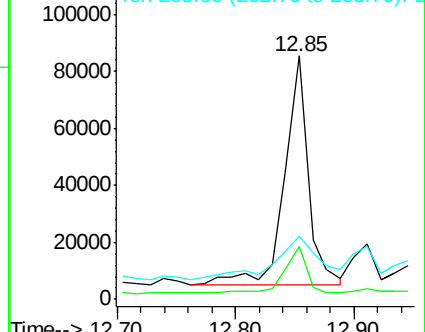
203 25.9 14.3 21.5#



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: 42.68 ng

RT: 12.98 min Scan# 953

Delta R.T. 0.00 min

Lab File: BF083985.D

Acq: 20 Dec 2015 7:45

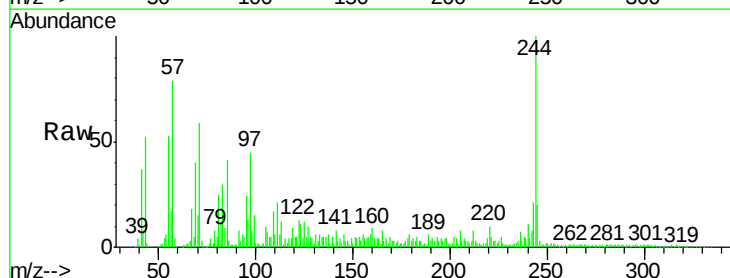
Tgt Ion:244 Resp: 244524

Ion Ratio Lower Upper

244 100

212 8.3 5.7 8.5

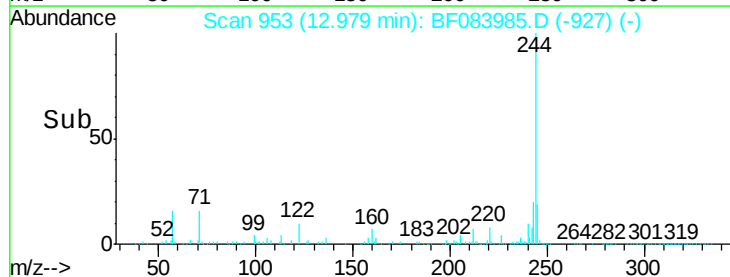
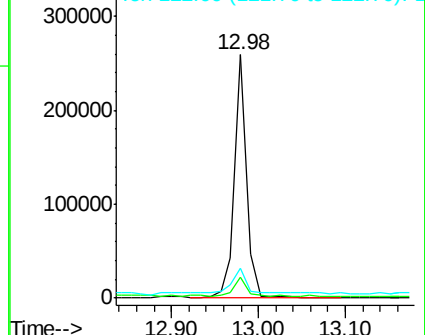
122 12.5 7.4 11.0#

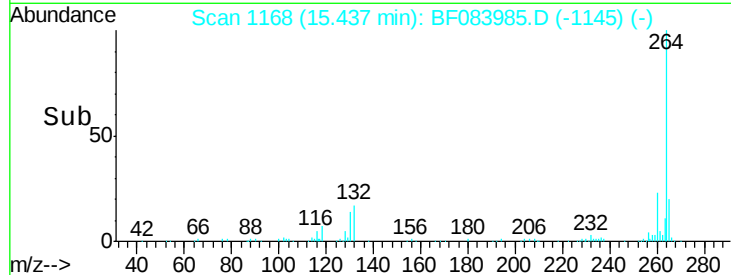
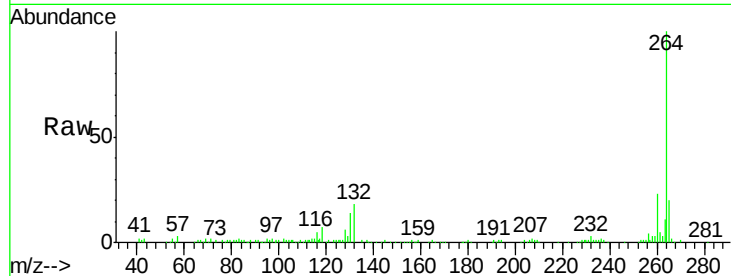
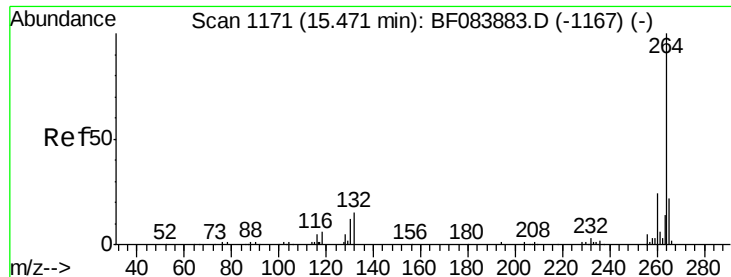


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.03 min
 Lab File: BF083985.D
 Acq: 20 Dec 2015 7:45

Instrument :
 BNA_F
 ClientSampleId :
 UST-9

Tot Ion:	264	Resp:	121540
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.4	29.2
265	20.5	17.8	26.6

