

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF085005.D
 Acq On : 10 Feb 2016 20:55
 Operator : SJ/IZ
 Sample : H1409-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B019(0-2)

Quant Time: Feb 11 00:23:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

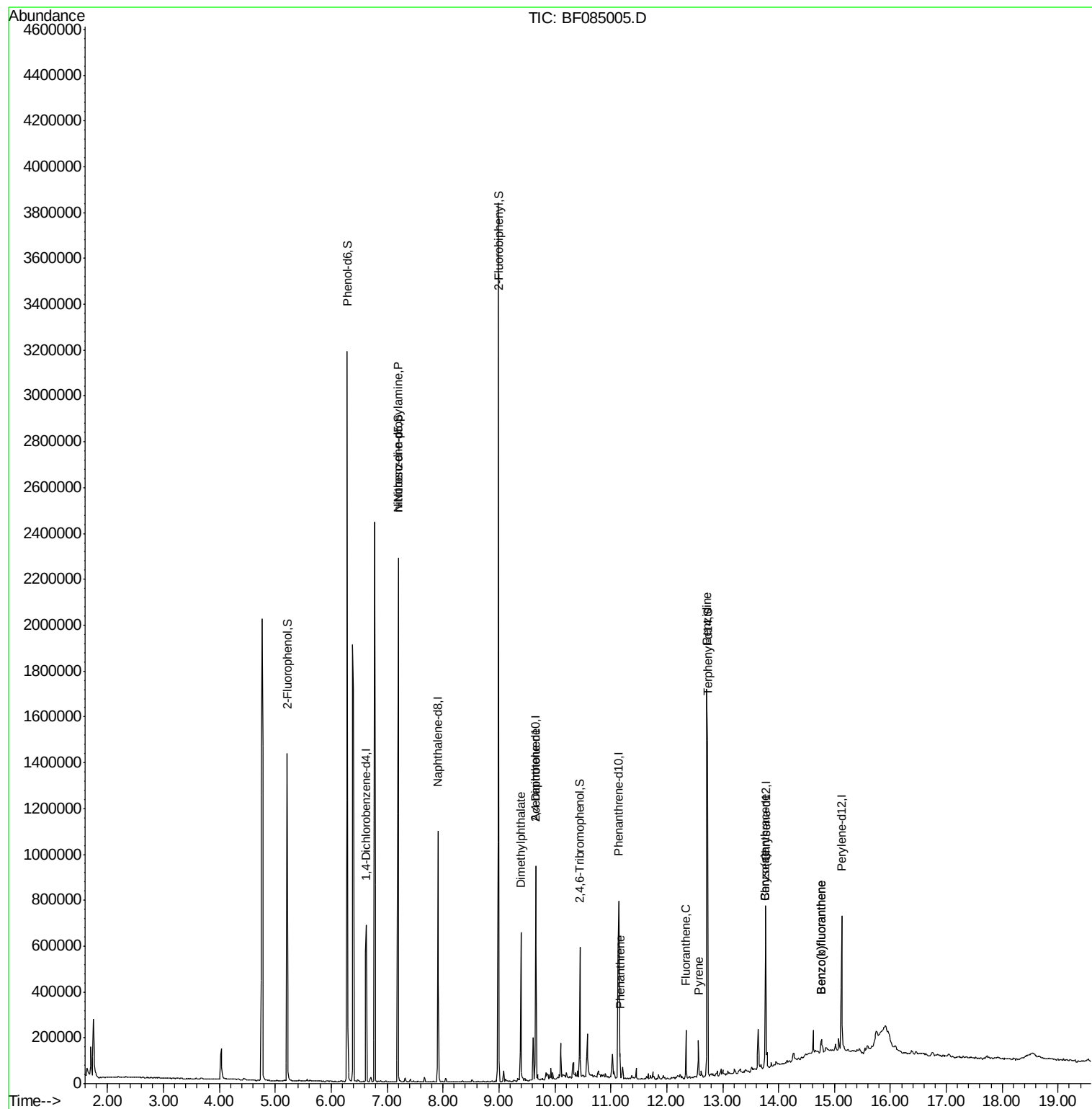
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	143188	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	544246	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	227382	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	375226	20.00	ng	0.00
75) Chrysene-d12	13.77	240	301023	20.00	ng	0.00
86) Perylene-d12	15.13	264	254018	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	385571	41.94	ng	0.01
7) Phenol-d6	6.28	99	1119805	98.26	ng	0.00
23) Nitrobenzene-d5	7.20	82	840626	87.01	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	60784	25.63	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1139440	84.07	ng	0.00
78) Terphenyl-d14	12.73	244	765925	57.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	113748	15.92	ng	# 74
49) Dimethylphthalate	9.39	163	242699	14.01	ng	# 91
56) 2,4-Dinitrotoluene	9.66	165	28468	5.90	ng	# 20
70) Phenanthrene	11.16	178	56551	2.72	ng	99
74) Fluoranthene	12.34	202	79046	3.75	ng	97
76) Benzo(a)anthracene	12.72	184	9778	7.50	ng	97
77) Pyrene	12.57	202	70373	3.05	ng	98
80) Benzo(a)anthracene	13.76	228	39357	2.11	ng	98
82) Chrysene	13.76	228	39357	2.17	ng	94
87) Benzo(b)fluoranthene	14.77	252	41781	2.45	ng	# 95
88) Benzo(k)fluoranthene	14.77	252	41781	2.96	ng	# 97

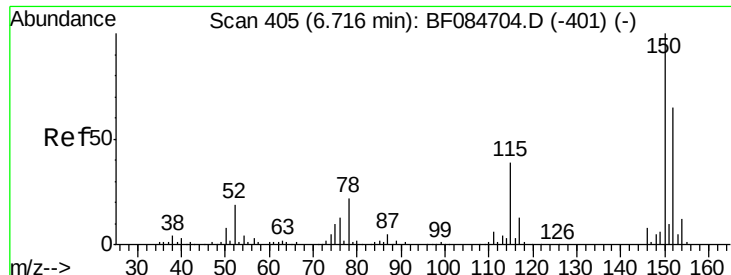
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.00 min

Lab File: BF085005.D

Acq: 10 Feb 2016 20:55

Instrument :

BNA_F

ClientSampleId :

SUP-B019(0-2)

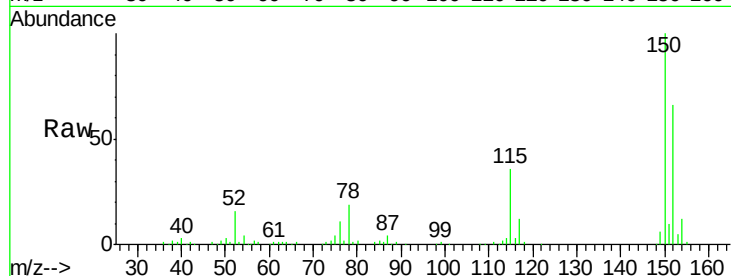
Tgt Ion:152 Resp: 143188

Ion Ratio Lower Upper

152 100

150 150.9 123.0 184.4

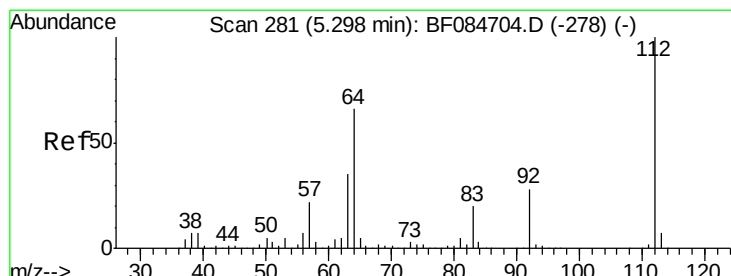
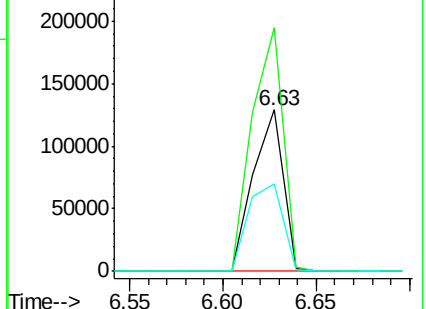
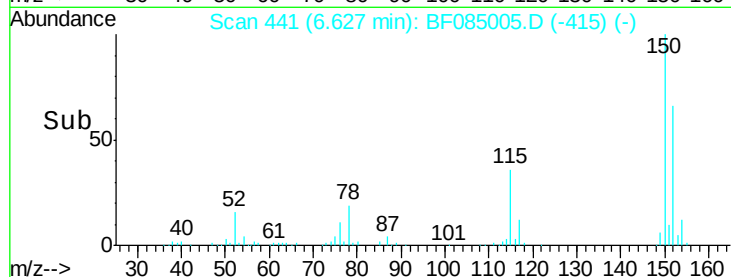
115 54.6 51.4 77.2



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: 41.94 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF085005.D

Acq: 10 Feb 2016 20:55

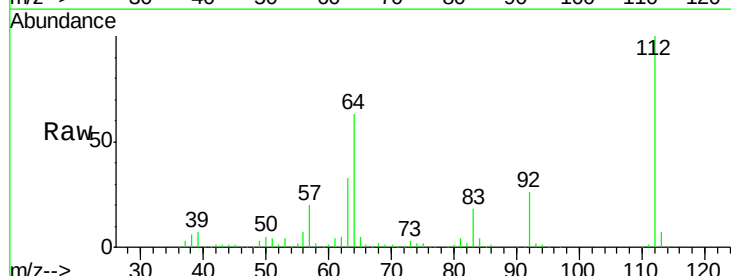
Tgt Ion:112 Resp: 385571

Ion Ratio Lower Upper

112 100

64 62.7 36.6 55.0#

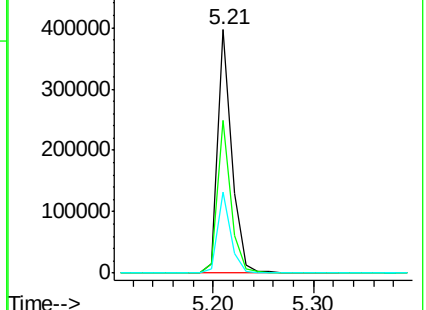
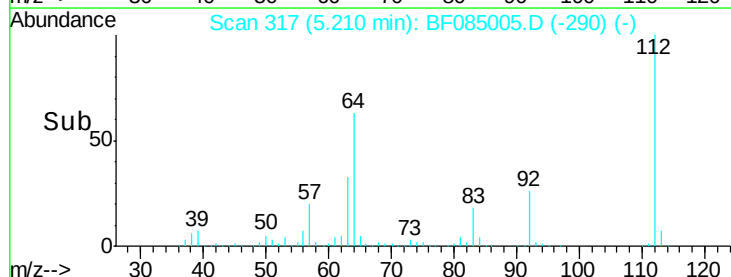
63 33.1 19.4 29.0#

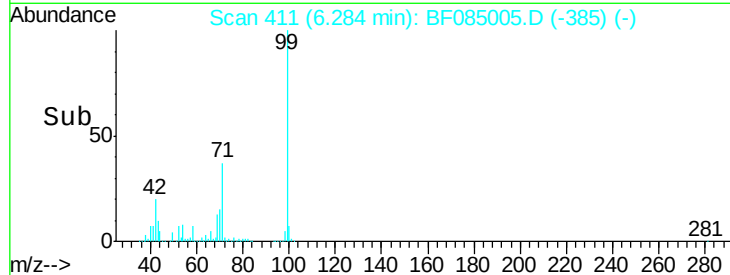
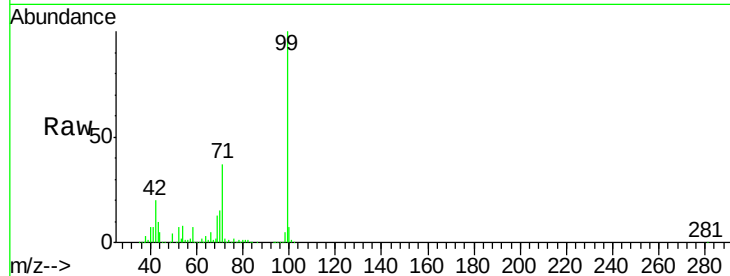
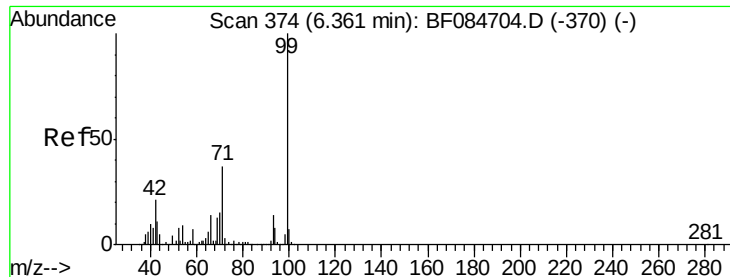


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.26 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF085005.D

Acq: 10 Feb 2016 20:55

Instrument :

BNA_F

ClientSampleId :

SUP-B019(0-2)

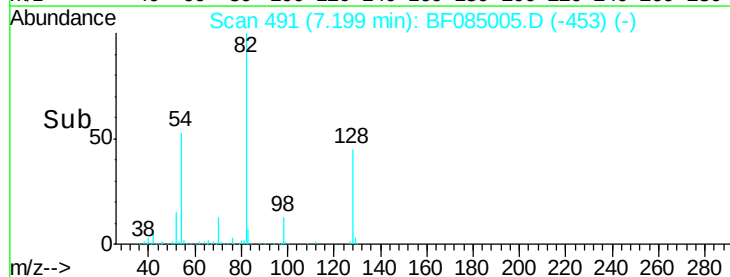
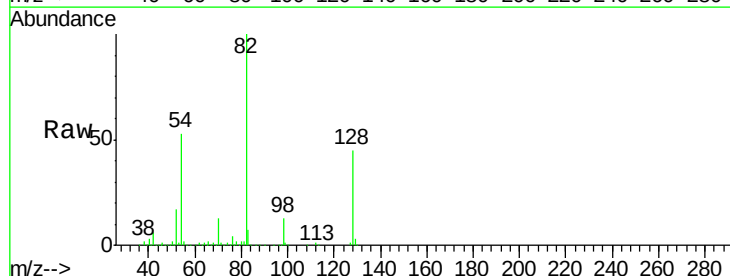
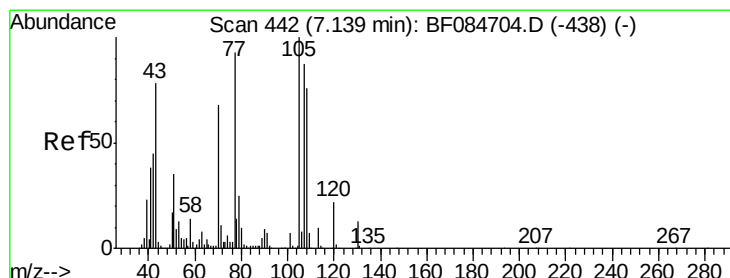
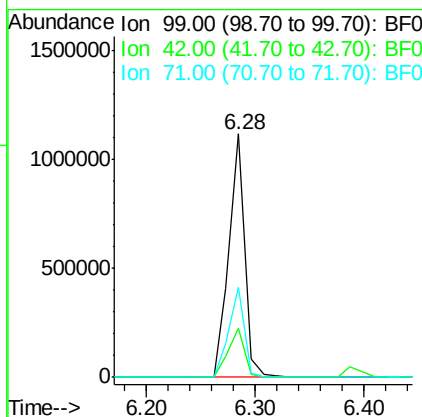
Tgt Ion: 99 Resp: 1119805

Ion Ratio Lower Upper

99 100

42 19.9 12.8 19.2#

71 36.8 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.92 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.14 min

Lab File: BF085005.D

Acq: 10 Feb 2016 20:55

Tgt Ion: 70 Resp: 113748

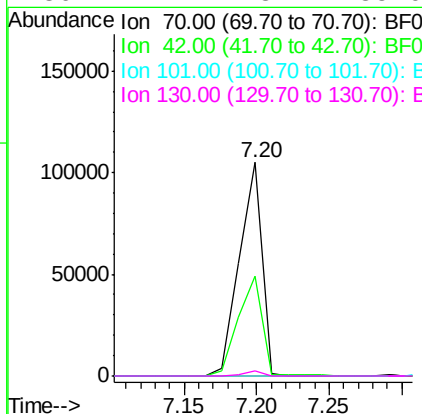
Ion Ratio Lower Upper

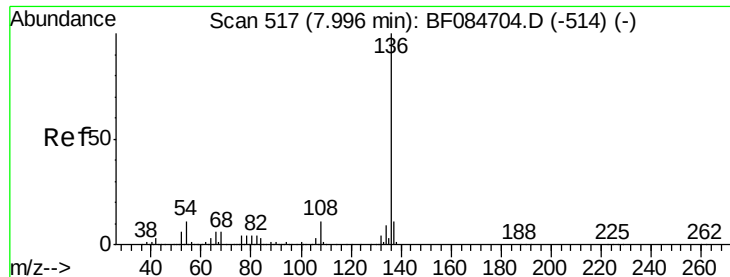
70 100

42 46.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#

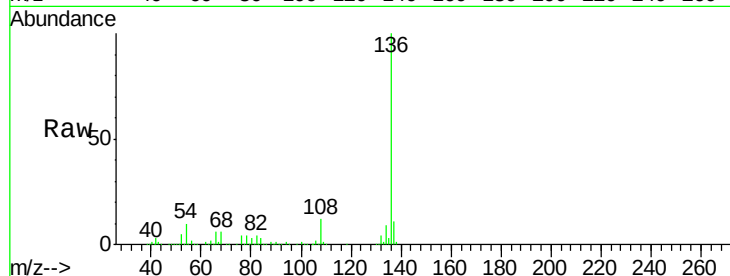




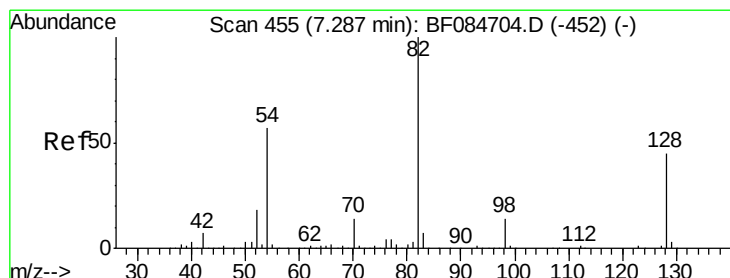
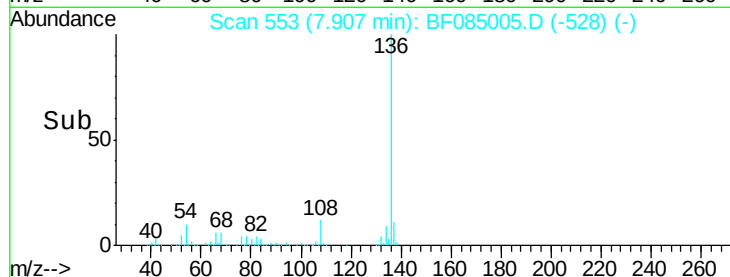
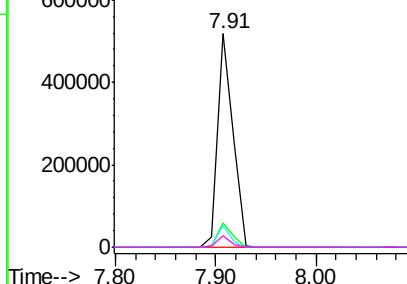
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF085005.D
Acq: 10 Feb 2016 20:55

Instrument :
BNA_F
ClientSampleId :
SUP-B019(0-2)

Tgt Ion:	136	Resp:	544246
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	10.4	5.8	8.8#
68	5.6	4.2	6.2

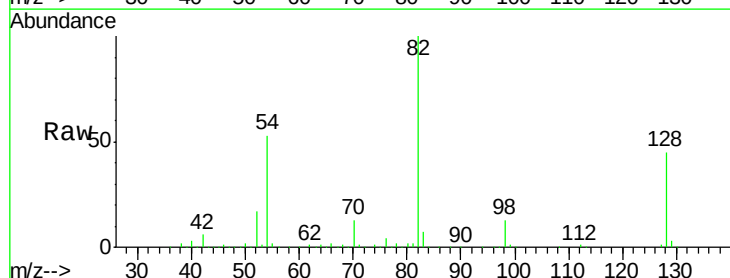


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

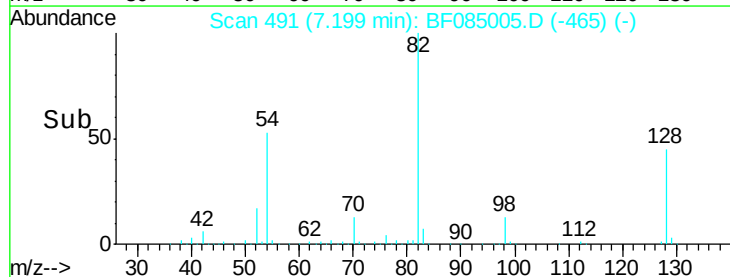
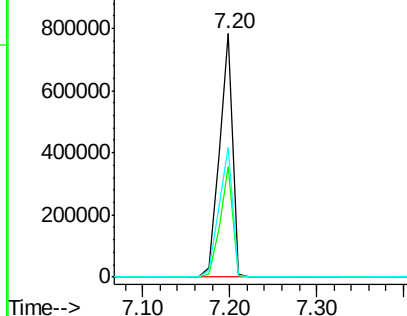


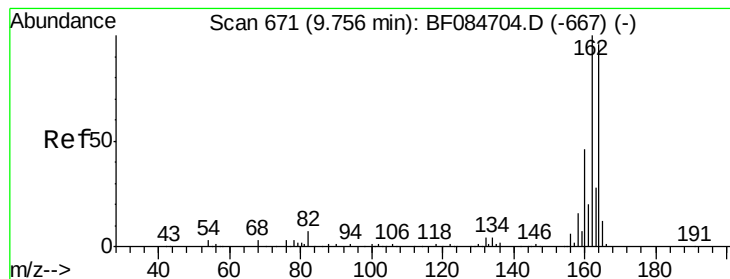
#23
Nitrobenzene-d5
Concen: 87.01 ng
RT: 7.20 min Scan# 491
Delta R.T. 0.00 min
Lab File: BF085005.D
Acq: 10 Feb 2016 20:55

Tgt Ion:	82	Resp:	840626
Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.6	51.8
54	53.3	38.4	57.6



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: 9.66 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF085005.D

Acq: 10 Feb 2016 20:55

Instrument :

BNA_F

ClientSampleId :

SUP-B019(0-2)

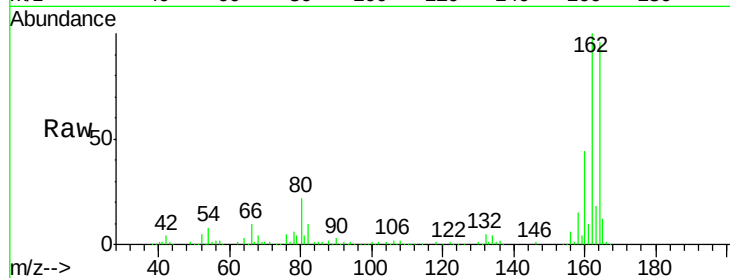
Tgt Ion:164 Resp: 227382

Ion Ratio Lower Upper

164 100

162 104.4 85.1 127.7

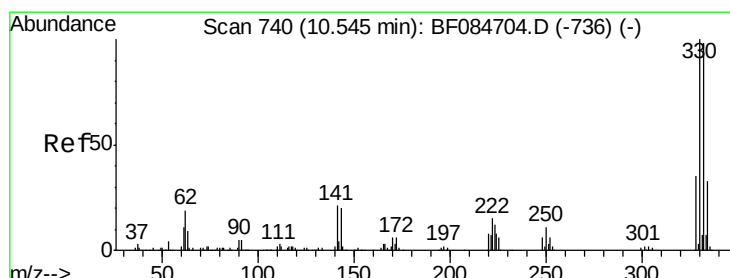
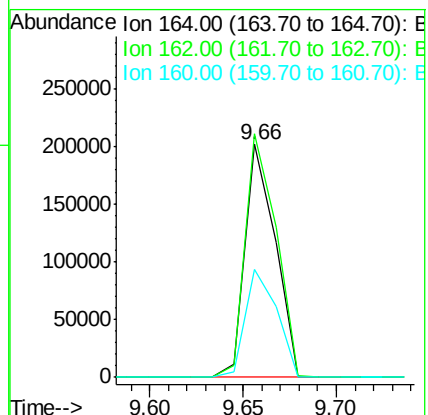
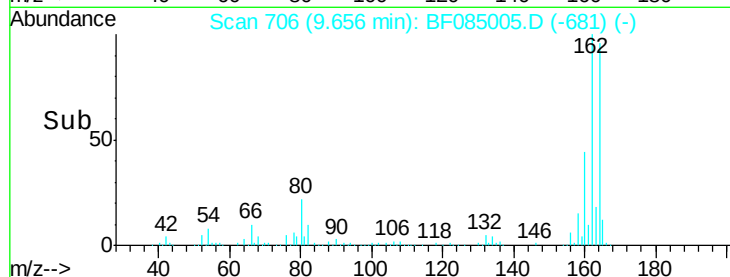
160 46.4 37.5 56.3



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: 25.63 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF085005.D

Acq: 10 Feb 2016 20:55

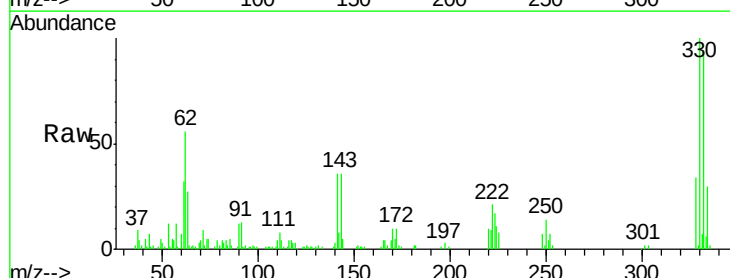
Tgt Ion:330 Resp: 60784

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

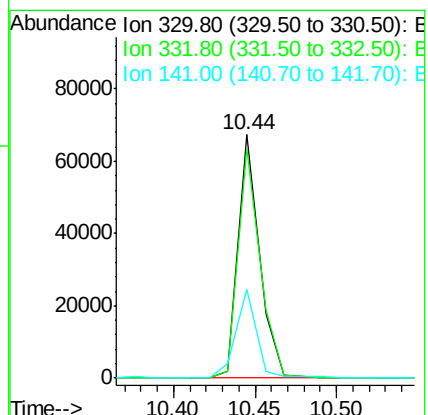
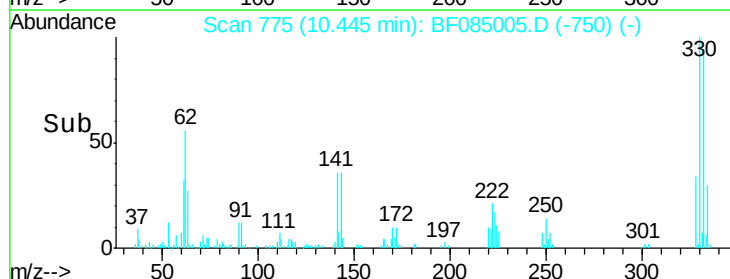
141 35.6 27.8 41.6

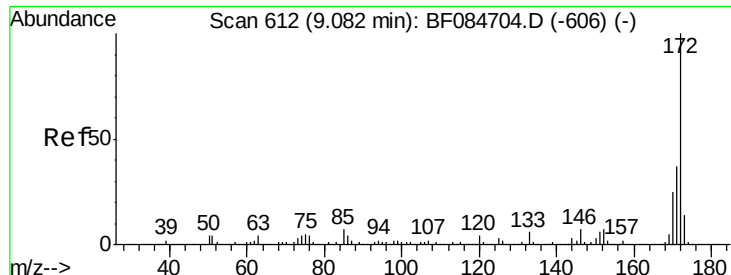


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

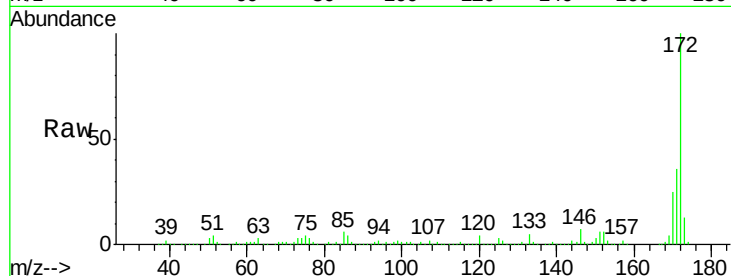




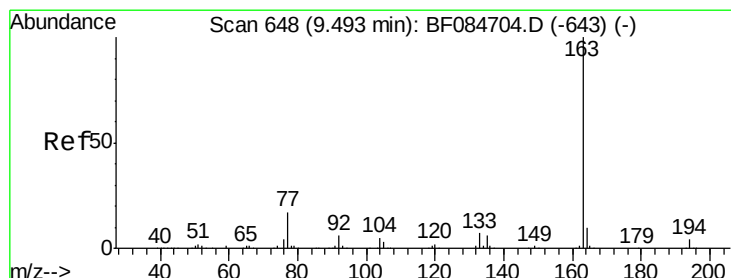
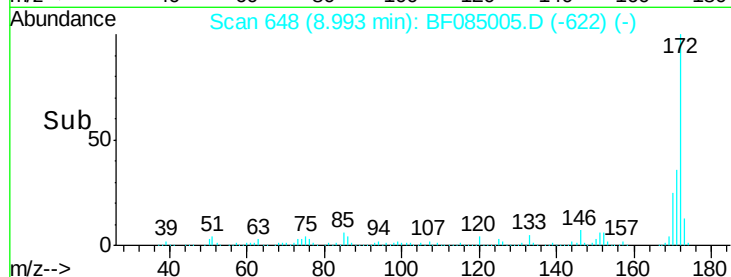
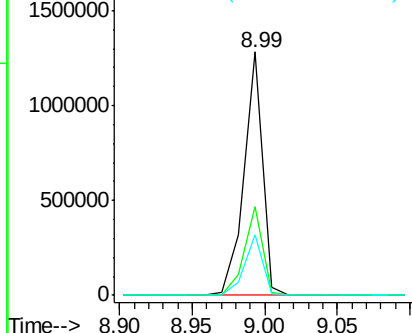
#44
 2-Fluorobiphenyl
 Concen: 84.07 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF085005.D
 Acq: 10 Feb 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B019(0-2)

Tgt Ion:172 Resp: 1139440
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.9 43.3
 170 24.8 18.6 27.8

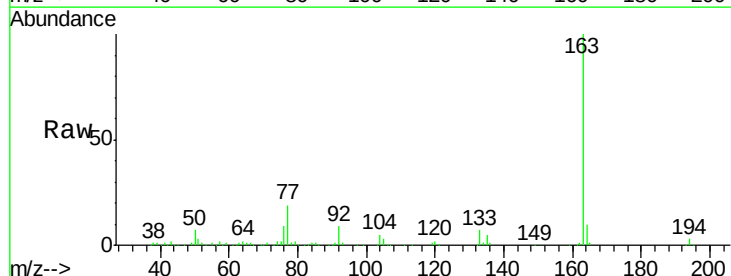


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

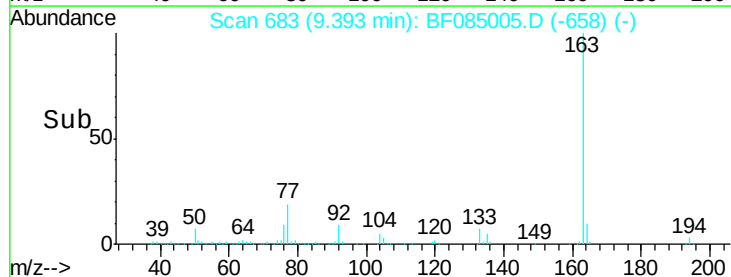
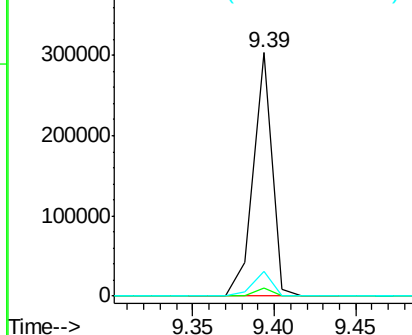


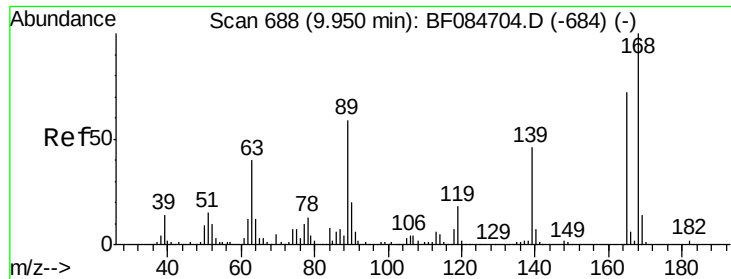
#49
 Dimethylphthalate
 Concen: 14.01 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: BF085005.D
 Acq: 10 Feb 2016 20:55

Tgt Ion:163 Resp: 242699
 Ion Ratio Lower Upper
 163 100
 194 3.2 8.0 12.0#
 164 10.2 8.0 12.0



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

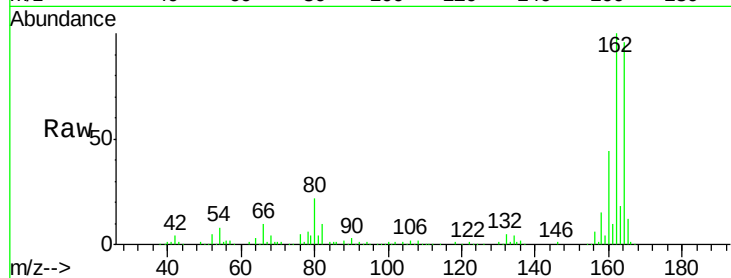




#56
 2,4-Dinitrotoluene
 Concen: 5.90 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.22 min
 Lab File: BF085005.D
 Acq: 10 Feb 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B019(0-2)

Tgt Ion:	165	Resp:	28468
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.7	55.1#
89	1.3	61.9	92.9#
182	0.0	2.0	3.0#

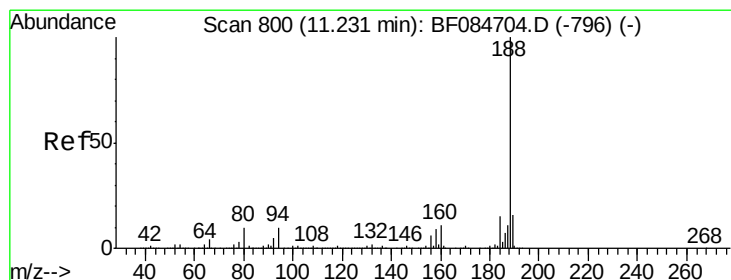
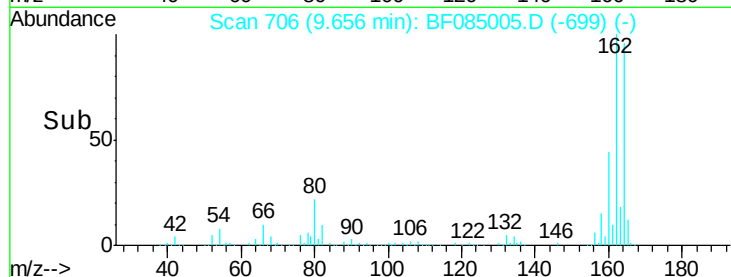
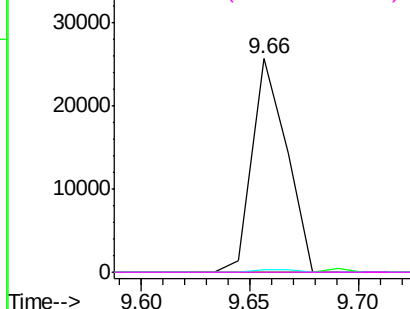


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

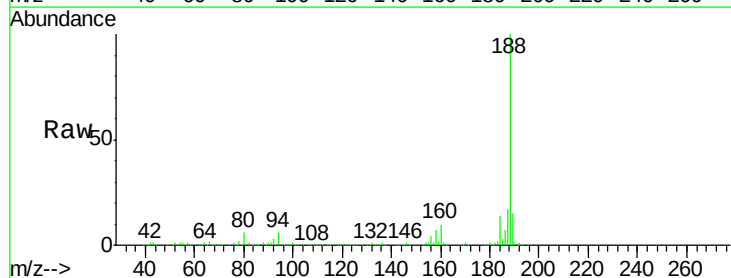
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 836
 Delta R.T. 0.00 min
 Lab File: BF085005.D
 Acq: 10 Feb 2016 20:55

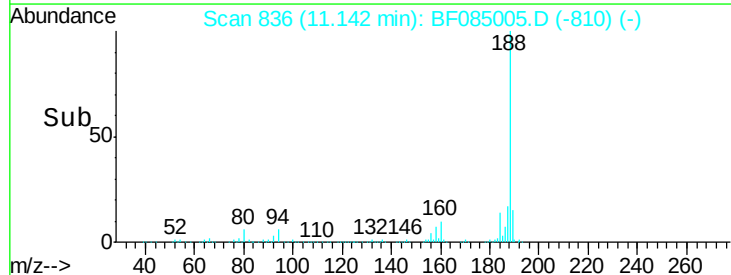
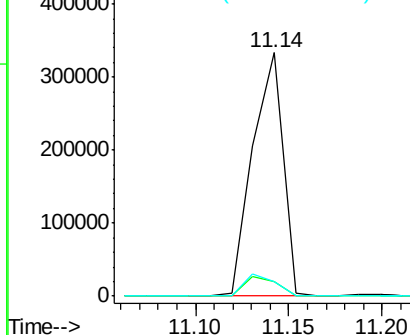
Tgt Ion:	188	Resp:	375226
Ion Ratio	Lower	Upper	
188	100		
94	6.0	9.0	13.4#
80	5.9	9.6	14.4#

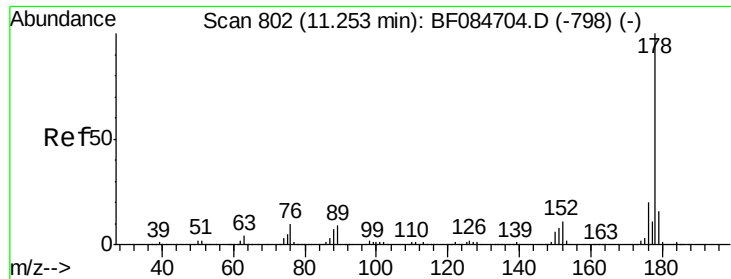


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.72 ng

RT: 11.16 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF085005.D

Acq: 10 Feb 2016 20:55

Instrument :

BNA_F

ClientSampleId :

SUP-B019(0-2)

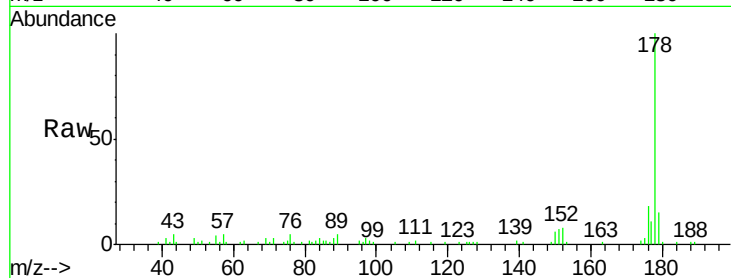
Tgt Ion:178 Resp: 56551

Ion Ratio Lower Upper

178 100

176 18.1 15.3 22.9

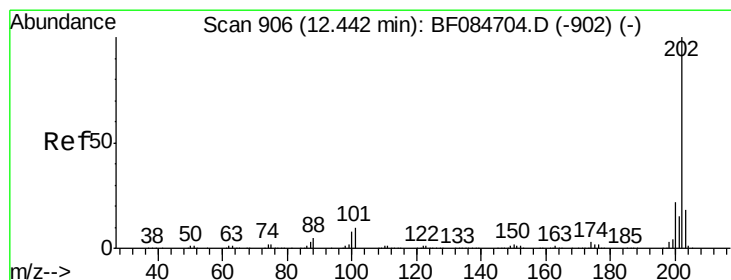
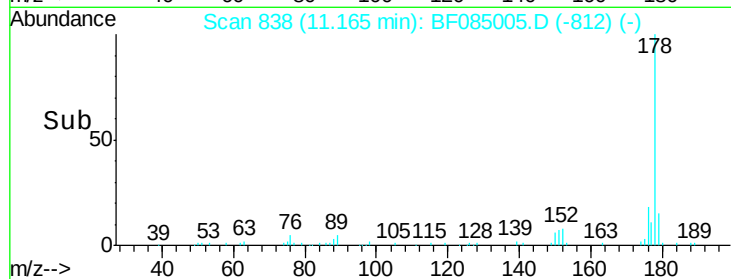
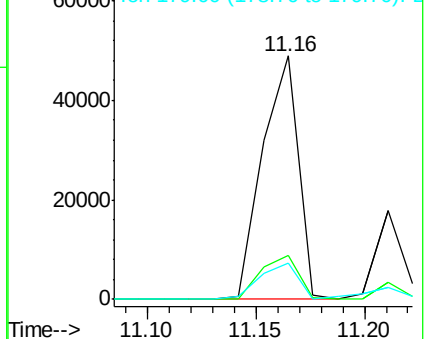
179 14.8 12.0 18.0



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



#74

Fluoranthene

Concen: 3.75 ng

RT: 12.34 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF085005.D

Acq: 10 Feb 2016 20:55

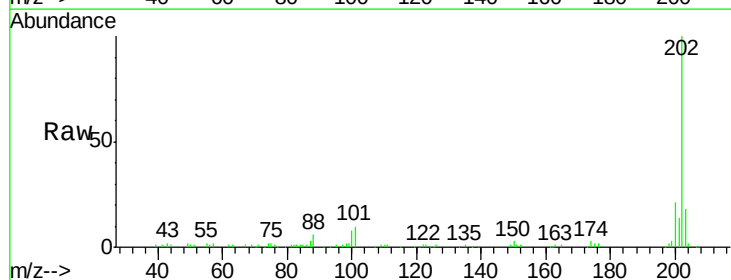
Tgt Ion:202 Resp: 79046

Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.8

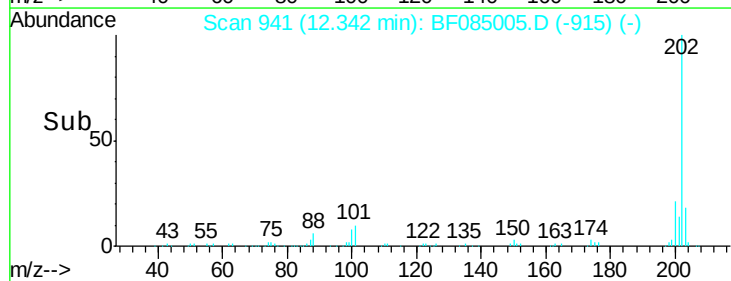
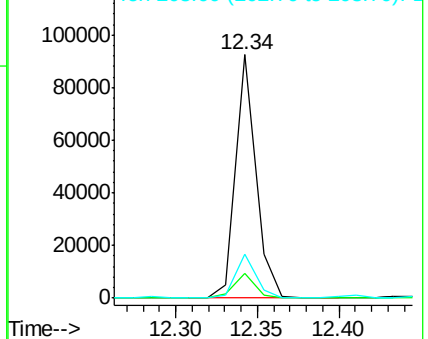
203 18.0 0.0 37.9

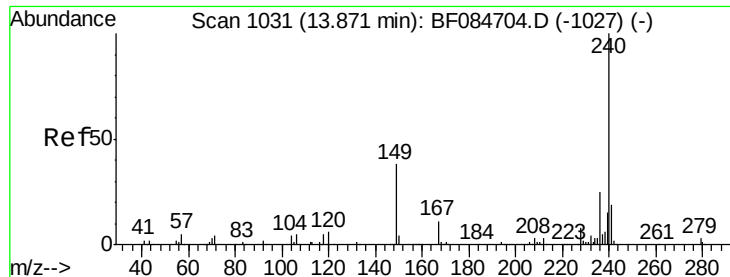


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.77 min Scan# 1066

Delta R.T. 0.00 min

Lab File: BF085005.D

Acq: 10 Feb 2016 20:55

Instrument :

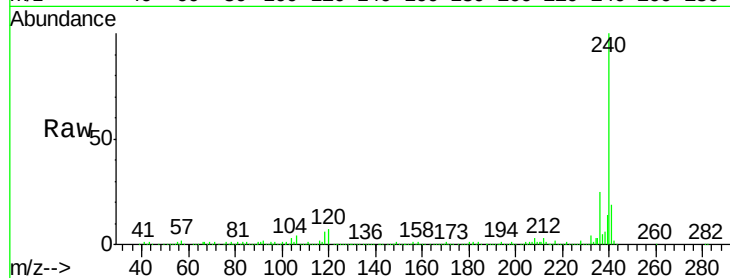
BNA_F

ClientSampleId :

SUP-B019(0-2)

Tgt Ion:240 Resp: 301023

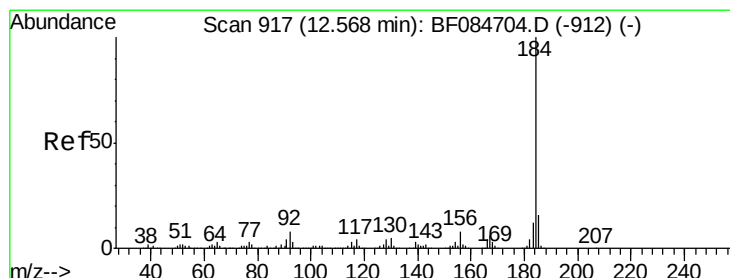
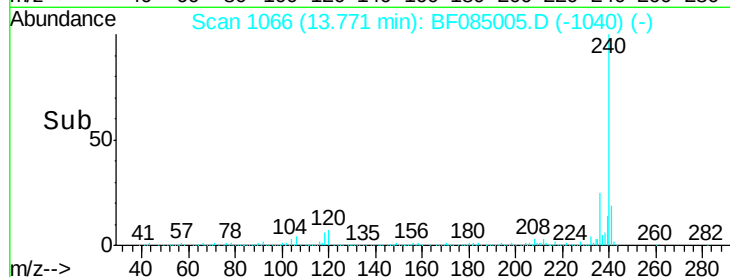
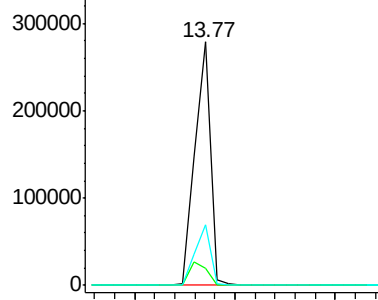
Ion	Ratio	Lower	Upper
240	100		
120	6.8	9.5	14.3#
236	25.0	20.6	31.0



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



#76

Benzidine

Concen: 7.50 ng

RT: 12.72 min Scan# 974

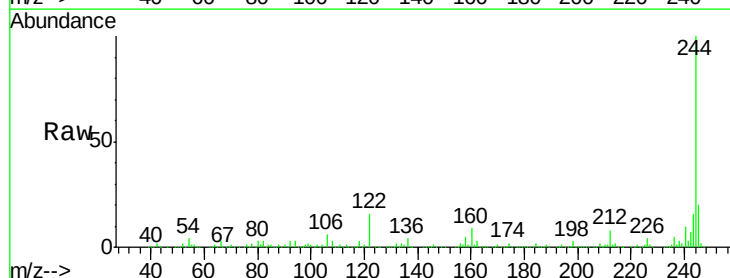
Delta R.T. 0.24 min

Lab File: BF085005.D

Acq: 10 Feb 2016 20:55

Tgt Ion:184 Resp: 9778

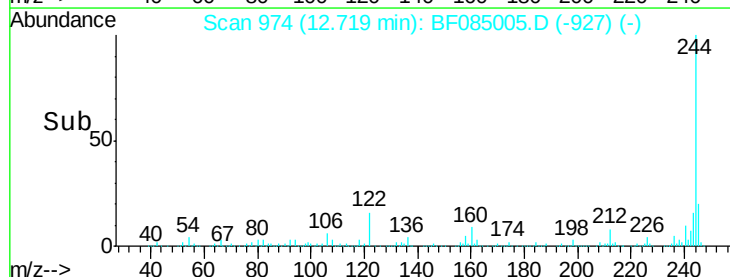
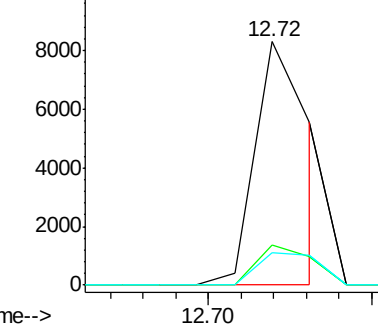
Ion	Ratio	Lower	Upper
184	100		
185	16.6	12.2	18.2
183	13.3	9.8	14.8

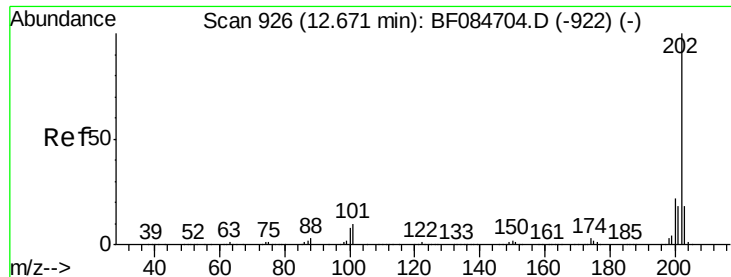


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

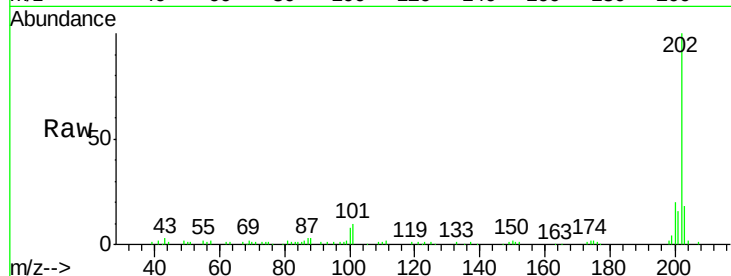




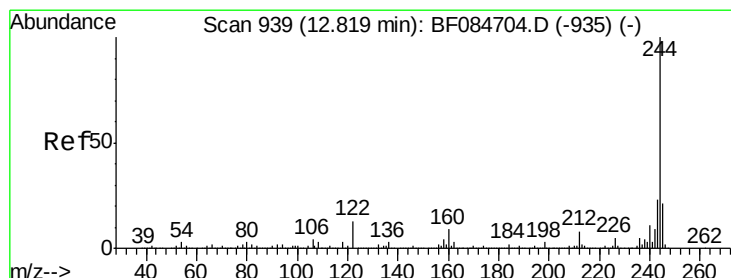
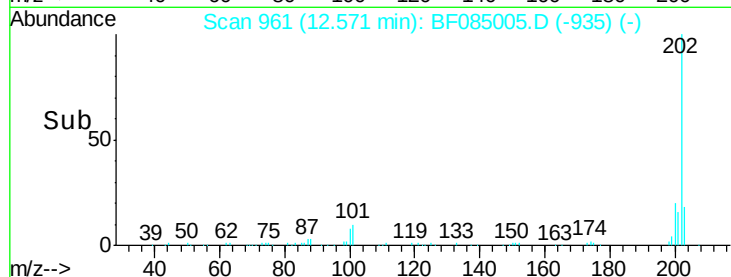
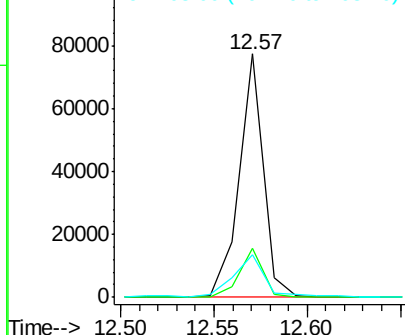
#77
 Pyrene
 Concen: 3.05 ng
 RT: 12.57 min Scan# 961
 Delta R.T. 0.00 min
 Lab File: BF085005.D
 Acq: 10 Feb 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B019(0-2)

Tgt Ion: 202 Resp: 70373
 Ion Ratio Lower Upper
 202 100
 200 20.0 17.2 25.8
 203 17.6 14.3 21.5

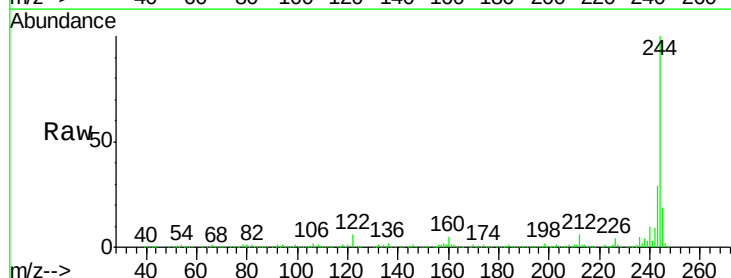


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

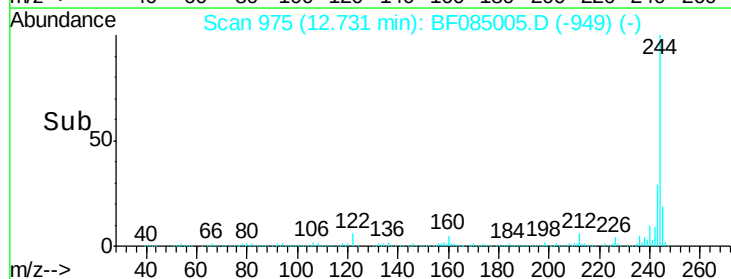
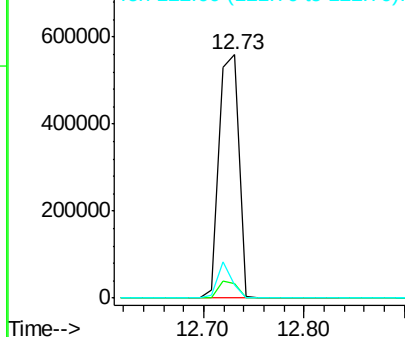


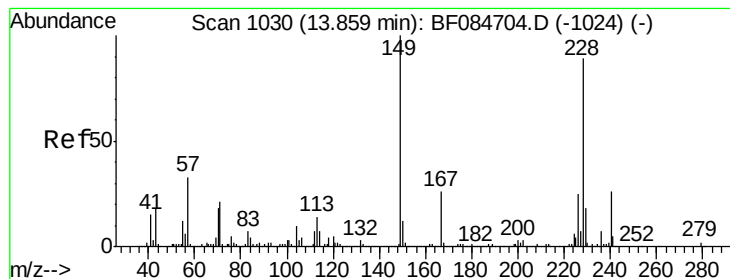
#78
 Terphenyl-d14
 Concen: 57.66 ng
 RT: 12.73 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF085005.D
 Acq: 10 Feb 2016 20:55

Tgt Ion: 244 Resp: 765925
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.7 8.5
 122 5.6 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





#80

Benzo(a)anthracene

Concen: 2.11 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF085005.D

Acq: 10 Feb 2016 20:55

Instrument :

BNA_F

ClientSampleId :

SUP-B019(0-2)

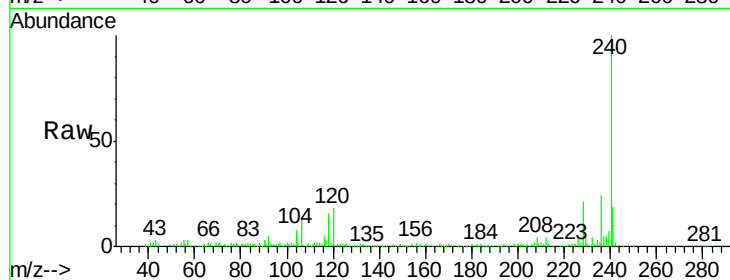
Tgt Ion:228 Resp: 39357

Ion Ratio Lower Upper

228 100

226 26.4 21.8 32.6

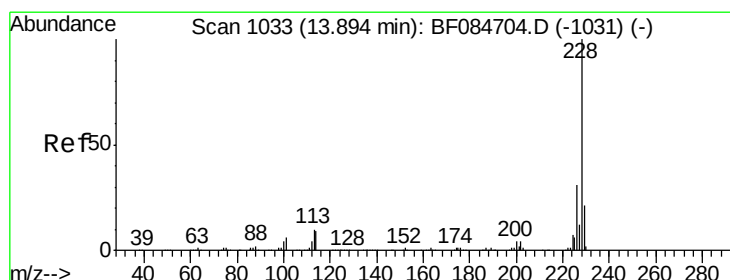
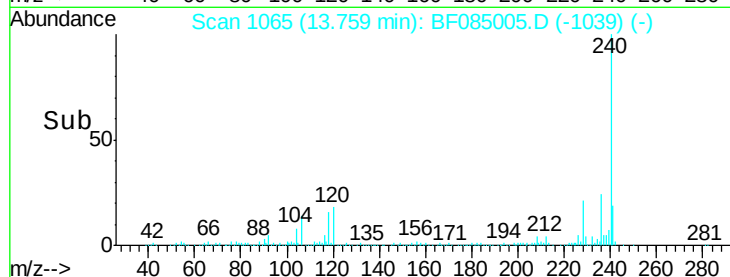
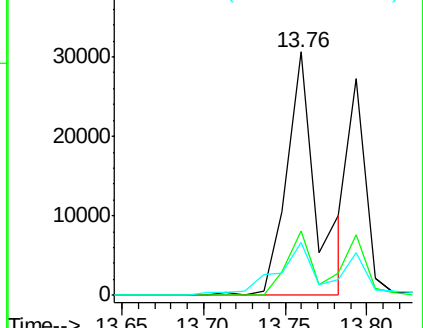
229 21.6 15.8 23.8



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: 2.17 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.03 min

Lab File: BF085005.D

Acq: 10 Feb 2016 20:55

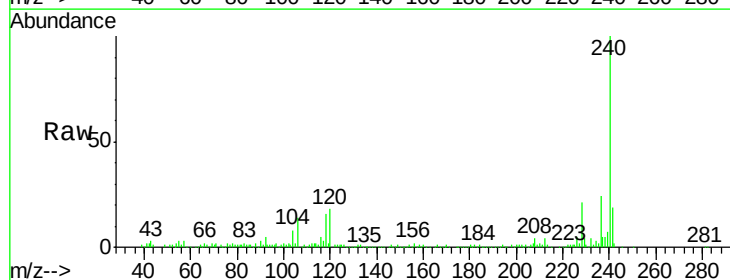
Tgt Ion:228 Resp: 39357

Ion Ratio Lower Upper

228 100

226 26.4 24.3 36.5

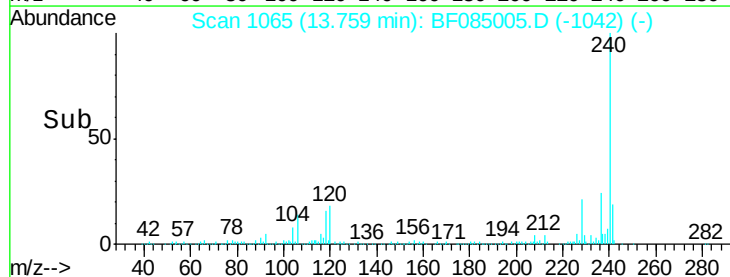
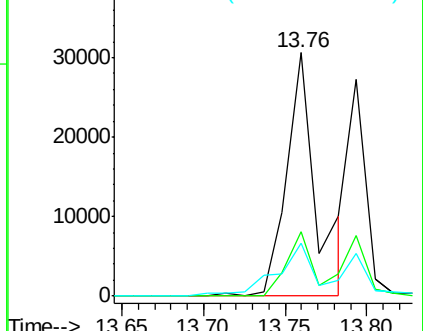
229 21.6 16.1 24.1

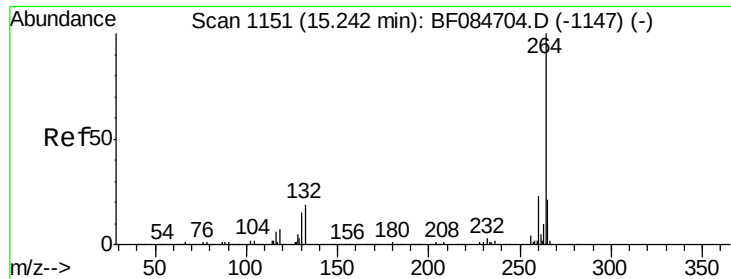


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

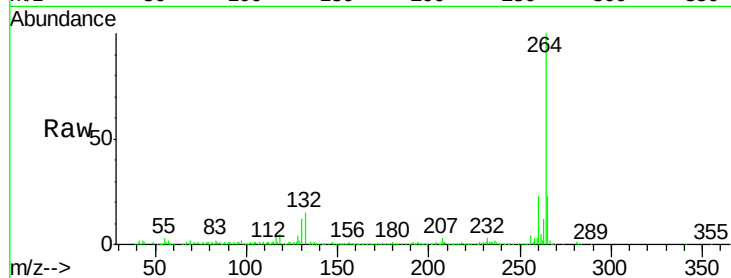




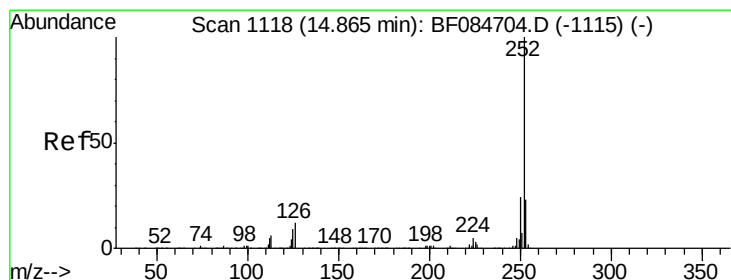
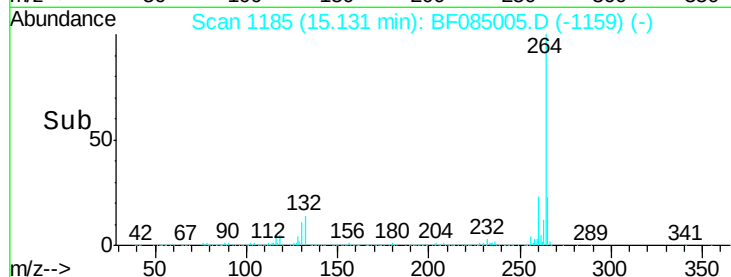
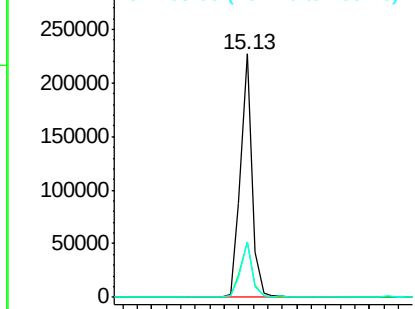
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BF085005.D
Acq: 10 Feb 2016 20:55

Instrument :
BNA_F
ClientSampleId :
SUP-B019(0-2)

Tgt Ion:264 Resp: 254018
Ion Ratio Lower Upper
264 100
260 22.9 19.4 29.2
265 22.8 17.8 26.6

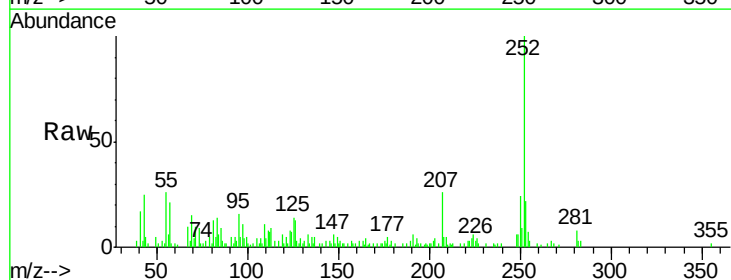


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

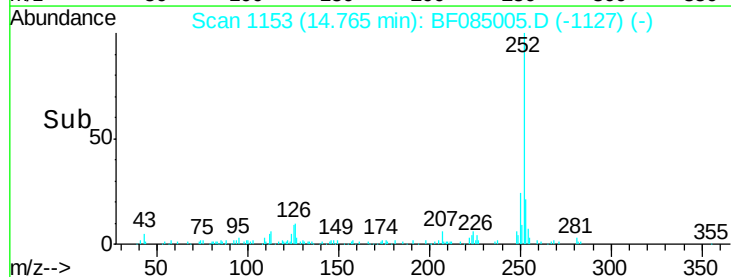
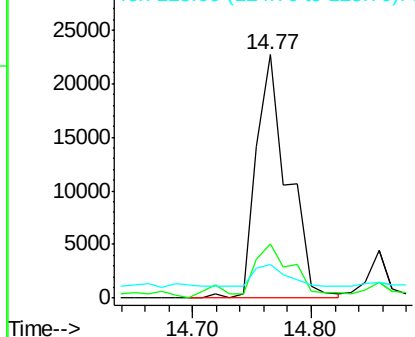


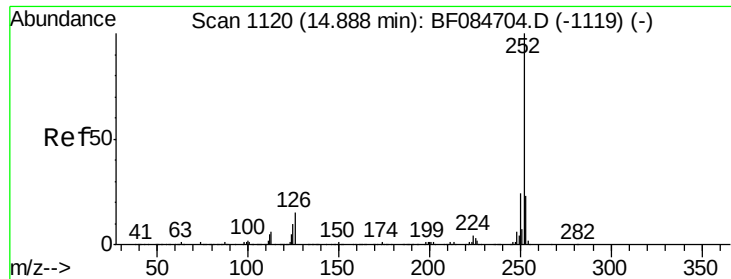
#87
Benzo(b)fluoranthene
Concen: 2.45 ng
RT: 14.77 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF085005.D
Acq: 10 Feb 2016 20:55

Tgt Ion:252 Resp: 41781
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 13.7 6.5 9.7#



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: 2.96 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.02 min

Lab File: BF085005.D

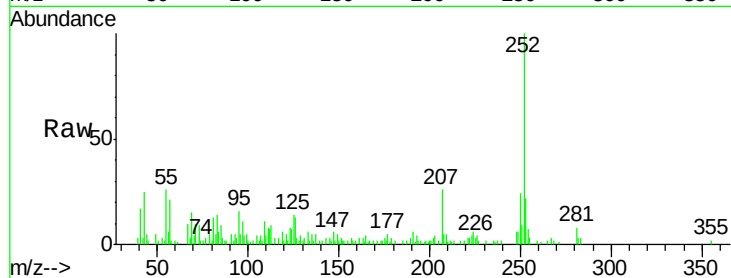
Acq: 10 Feb 2016 20:55

Instrument :

BNA_F

ClientSampleId :

SUP-B019(0-2)



Tgt Ion:	252	Resp:	41781
Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	13.7	9.0	13.6

