

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
 Data File : BF086257.D
 Acq On : 16 Apr 2016 11:11
 Operator : UM/SJ
 Sample : H2471-01
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CDMSh1

Quant Time: Apr 18 03:59:42 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

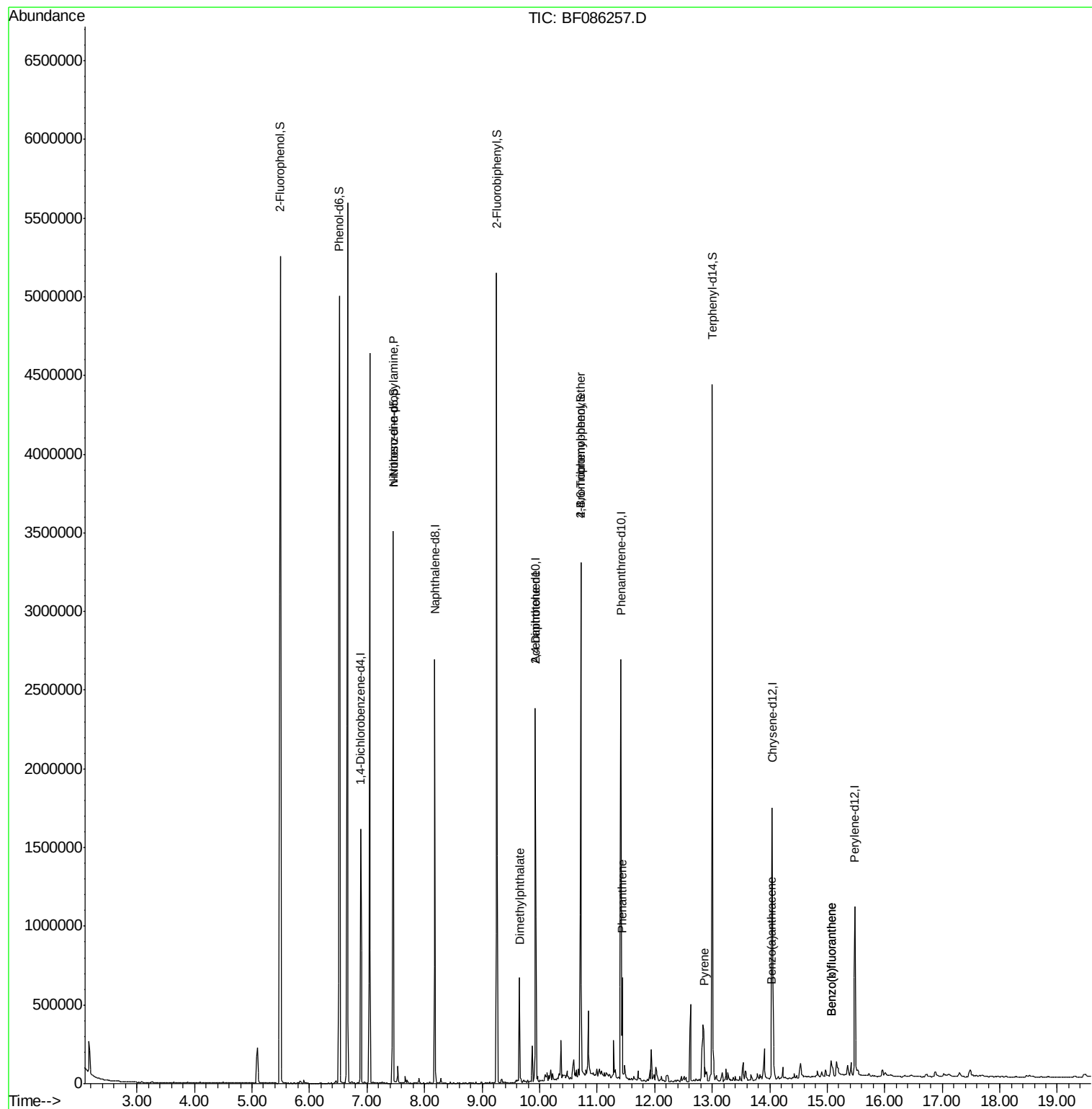
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	276785	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1188247	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	503370	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	894694	20.00	ng	0.00
75) Chrysene-d12	14.04	240	561995	20.00	ng	-0.01
86) Perylene-d12	15.48	264	487947	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1674718	99.14	ng	0.01
7) Phenol-d6	6.52	99	2238010	105.92	ng	0.00
23) Nitrobenzene-d5	7.46	82	1459339	70.84	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	360471	89.18	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1696361	62.19	ng	-0.01
78) Terphenyl-d14	13.00	244	1390901	62.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	199205	14.73	ng	# 76
22) Acetophenone	7.30	105	585	Below Cal		# 53
49) Dimethylphthalate	9.65	163	405367	11.08	ng	97
56) 2,4-Dinitrotoluene	9.93	165	65143	6.28	ng	# 31
57) Fluorene	10.48	166	11392	Below Cal		97
66) 4-Bromophenyl-phenylether	10.72	248	22716	2.72	ng	# 1
70) Phenanthrene	11.44	178	213955	5.01	ng	98
71) Anthracene	11.48	178	36218	Below Cal		97
77) Pyrene	12.85	202	196817	4.56	ng	97
80) Benzo(a)anthracene	14.03	228	80172	2.60	ng	98
87) Benzo(b)fluoranthene	15.07	252	85467	2.84	ng	# 94
88) Benzo(k)fluoranthene	15.07	252	85467	3.11	ng	# 91

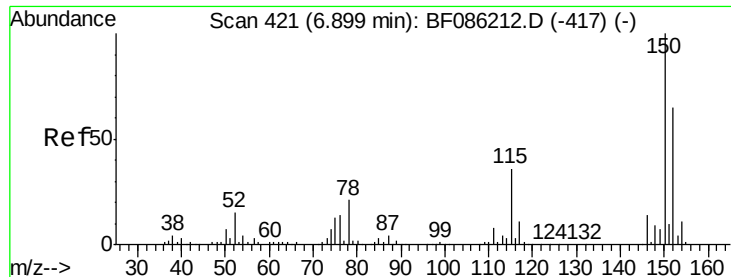
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086257.D

Acq: 16 Apr 2016 11:11

Instrument :

BNA_F

ClientSampleId :

CDMSH1

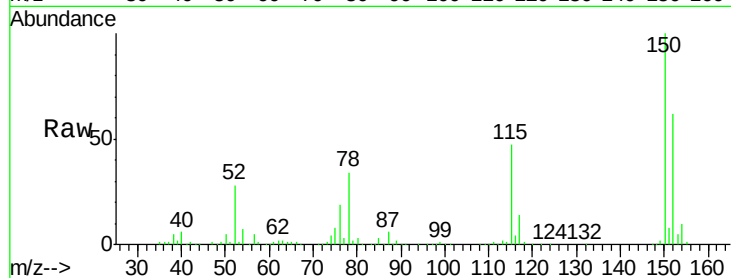
Tgt Ion:152 Resp: 276785

Ion Ratio Lower Upper

152 100

150 161.5 124.1 186.1

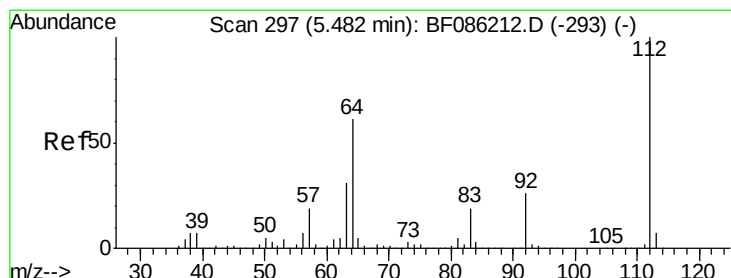
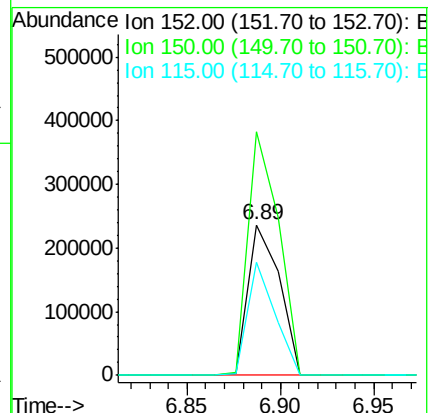
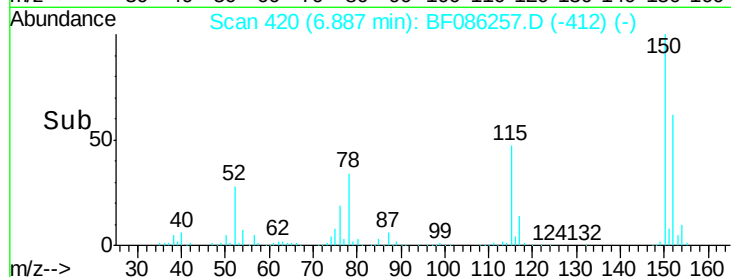
115 75.2 43.9 65.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 99.14 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF086257.D

Acq: 16 Apr 2016 11:11

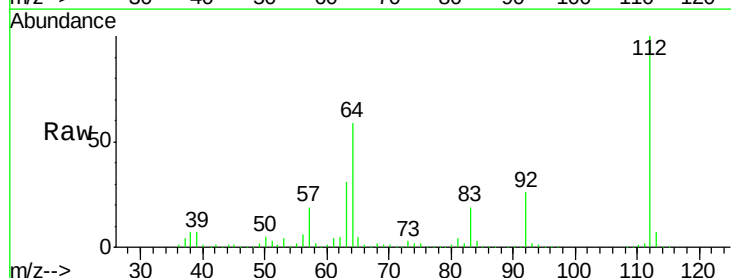
Tgt Ion:112 Resp: 1674718

Ion Ratio Lower Upper

112 100

64 59.3 48.1 72.1

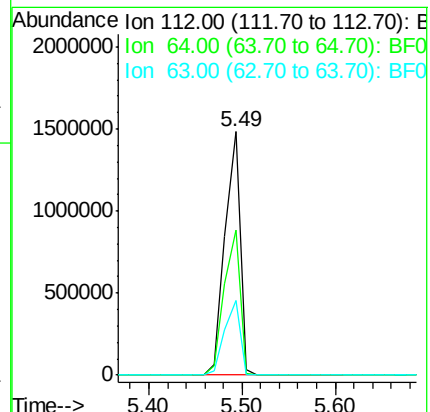
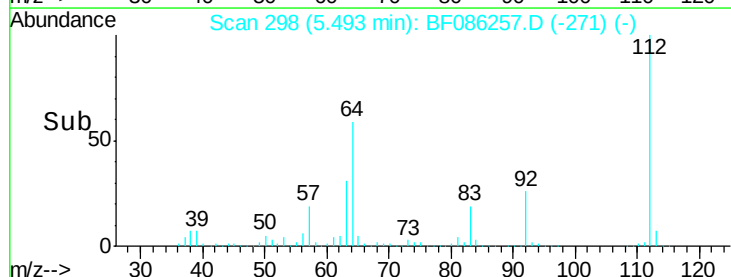
63 30.7 25.5 38.3

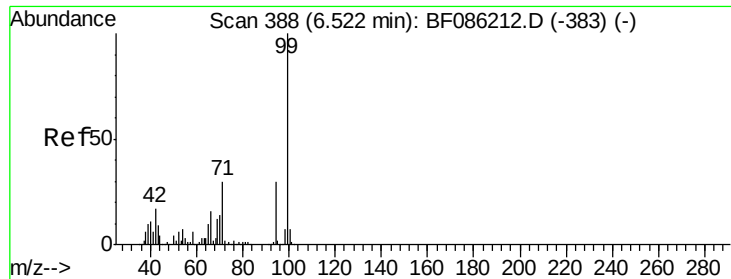


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.92 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086257.D

Acq: 16 Apr 2016 11:11

Instrument :

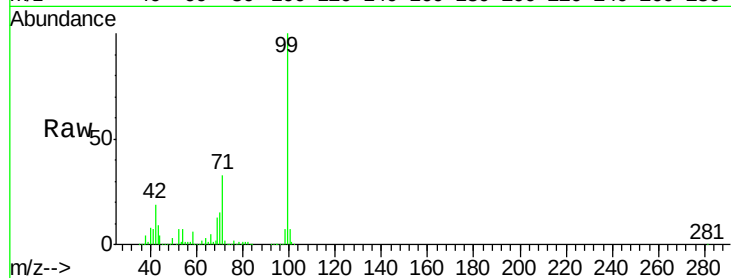
BNA_F

ClientSampleId :

CDMSH1

Tgt Ion: 99 Resp: 2238010

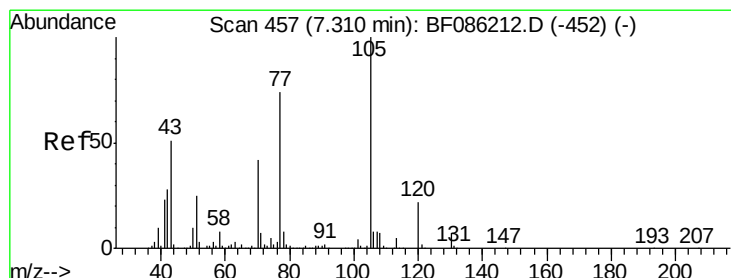
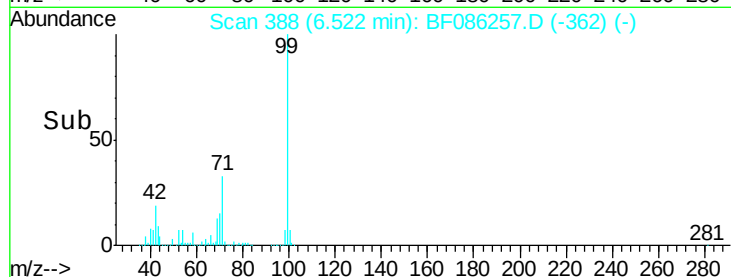
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.4	23.2
71	33.0	25.6	38.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.73 ng

RT: 7.46 min Scan# 470

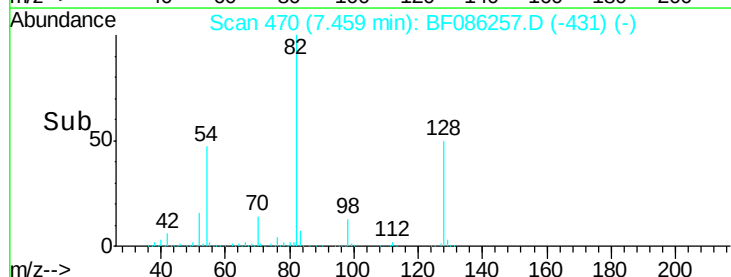
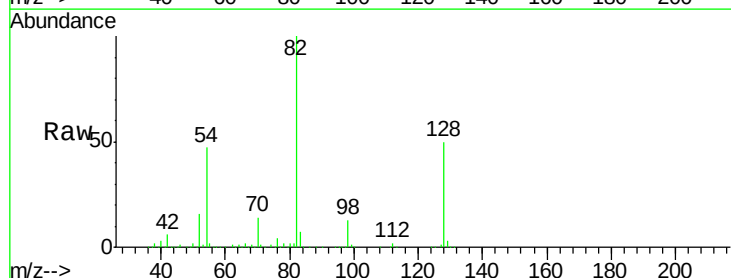
Delta R.T. 0.15 min

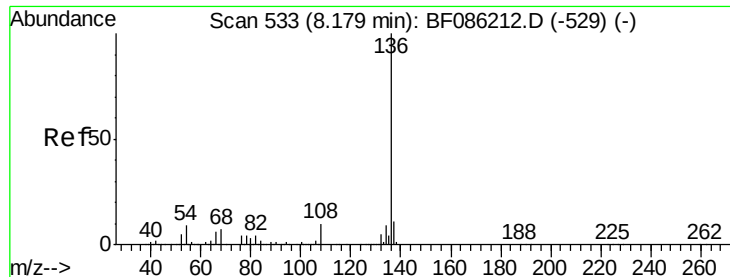
Lab File: BF086257.D

Acq: 16 Apr 2016 11:11

Tgt Ion: 70 Resp: 199205

Ion	Ratio	Lower	Upper
70	100		
42	44.1	43.0	64.4
101	0.0	8.1	12.1#
130	2.7	20.1	30.1#

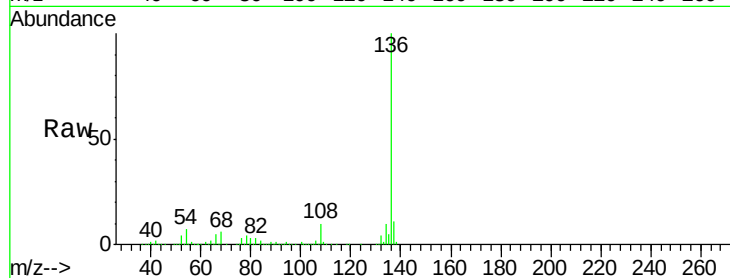




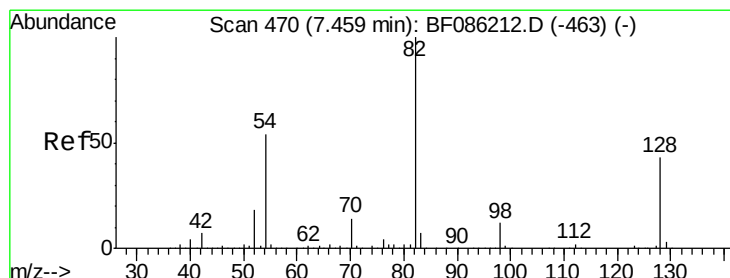
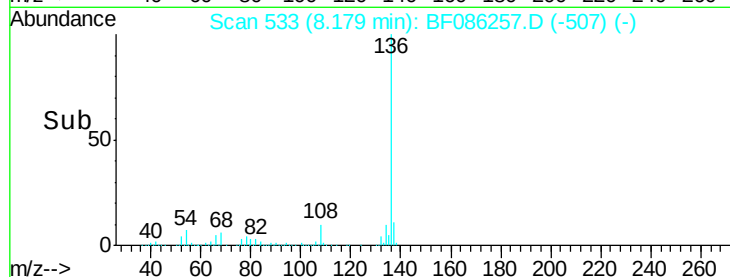
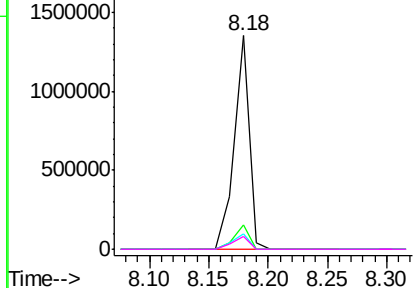
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF086257.D
Acq: 16 Apr 2016 11:11

Instrument :
BNA_F
ClientSampleId :
CDMSH1

Tgt Ion:	136	Resp:	1188247
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.3	7.3	10.9
68	6.1	5.7	8.5

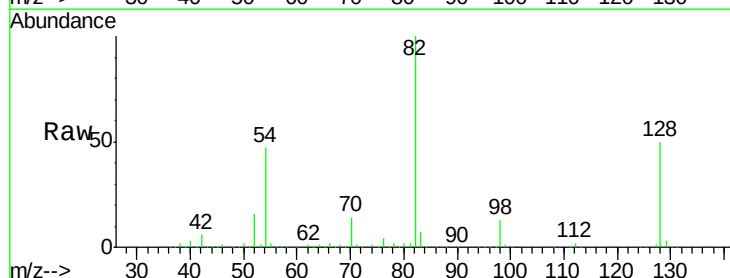


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

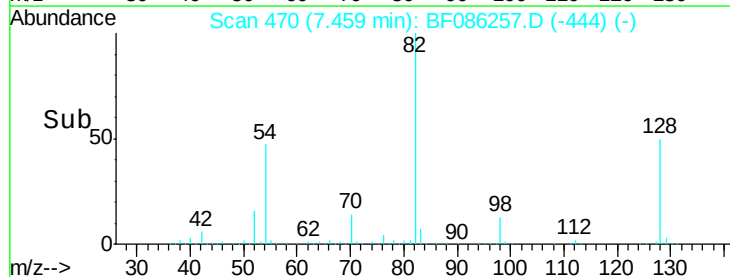
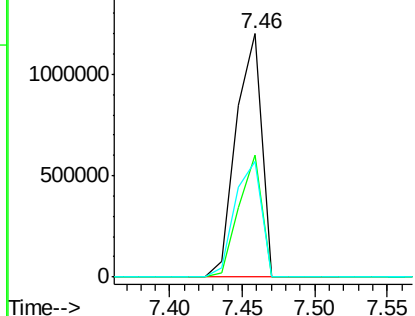


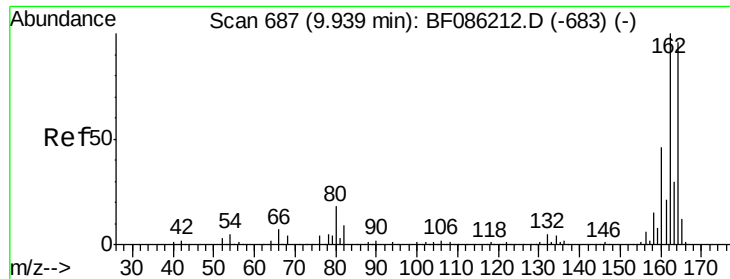
#23
Nitrobenzene-d5
Concen: 70.84 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.00 min
Lab File: BF086257.D
Acq: 16 Apr 2016 11:11

Tgt Ion:	82	Resp:	1459339
Ion	Ratio	Lower	Upper
82	100		
128	49.9	35.4	53.2
54	47.4	43.4	65.0



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

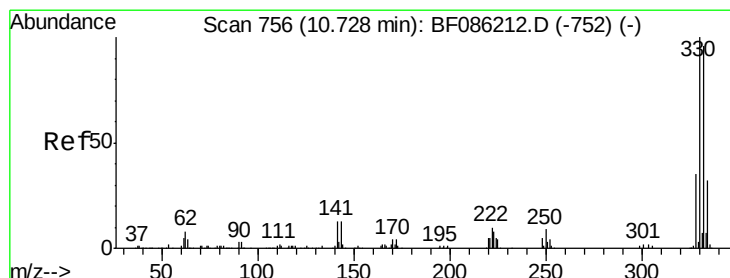
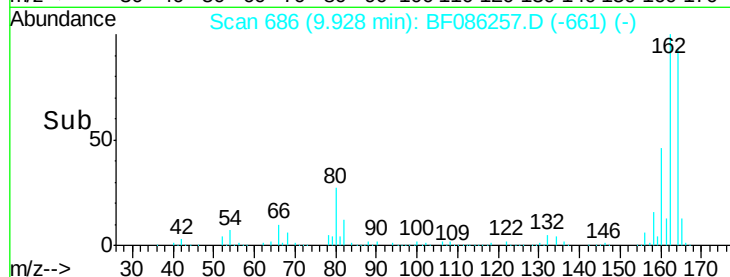
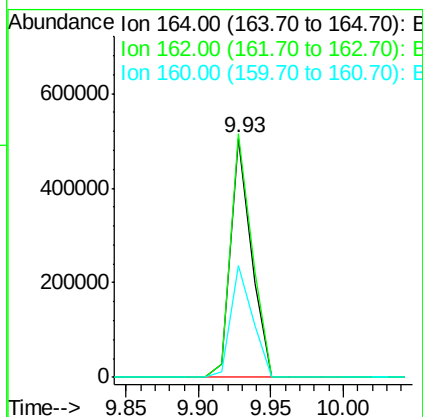
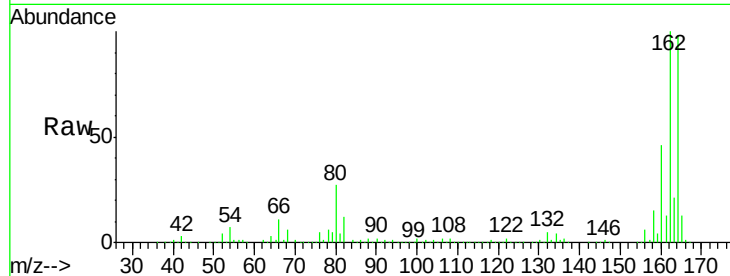




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086257.D
 Acq: 16 Apr 2016 11:11

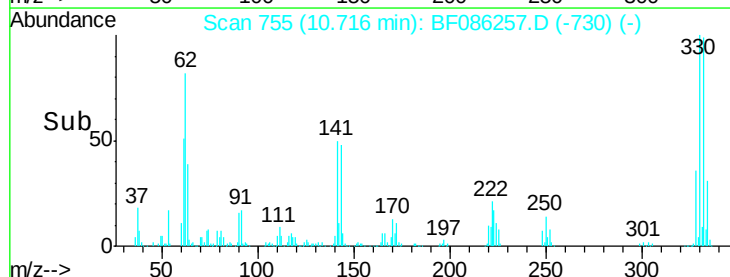
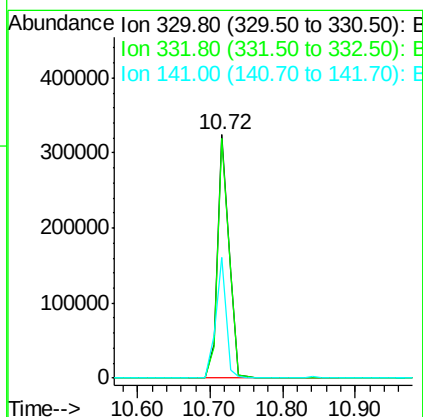
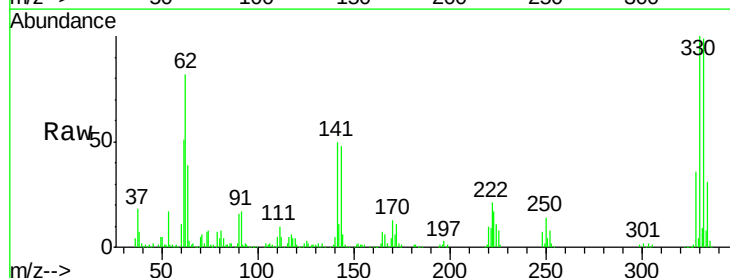
Instrument :
 BNA_F
 ClientSampleId :
 CDMSH1

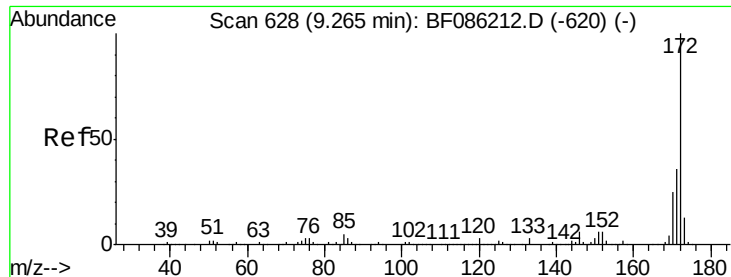
Tgt Ion:164 Resp: 503370
 Ion Ratio Lower Upper
 164 100
 162 101.9 82.8 124.2
 160 46.7 38.9 58.3



#41
 2,4,6-Tribromophenol
 Concen: 89.18 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086257.D
 Acq: 16 Apr 2016 11:11

Tgt Ion:330 Resp: 360471
 Ion Ratio Lower Upper
 330 100
 332 98.4 78.7 118.1
 141 45.1 28.6 42.8#

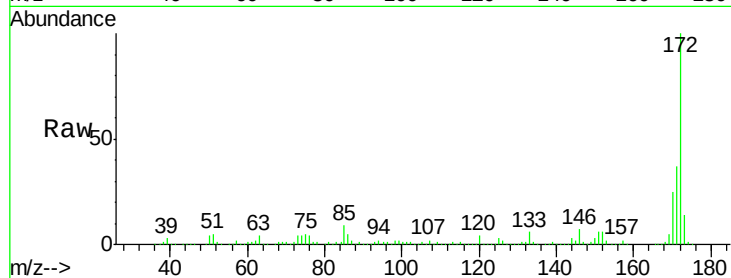




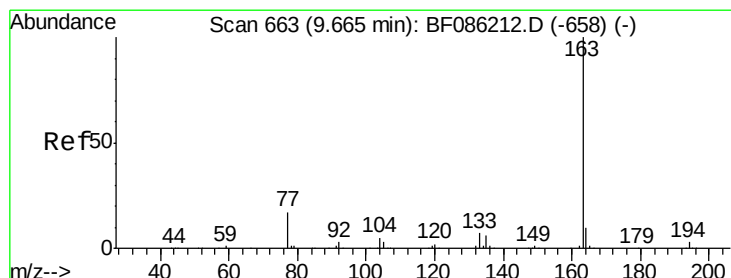
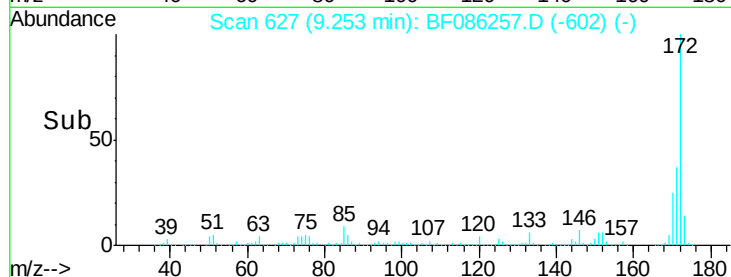
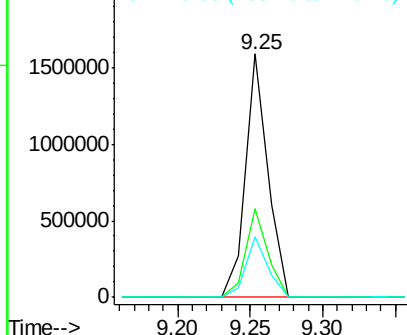
#44
 2-Fluorobiphenyl
 Concen: 62.19 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086257.D
 Acq: 16 Apr 2016 11:11

Instrument :
 BNA_F
 ClientSampleId :
 CDMSH1

Tgt Ion:172 Resp: 1696361
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.1 43.7
 170 25.1 19.9 29.9

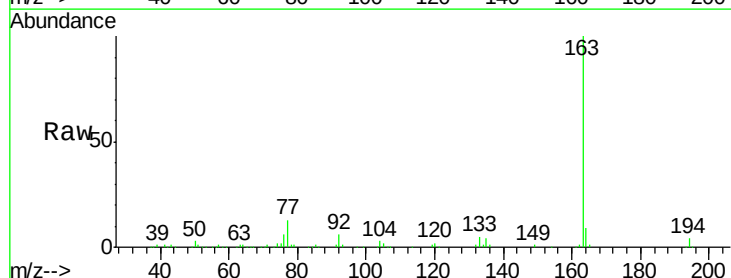


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

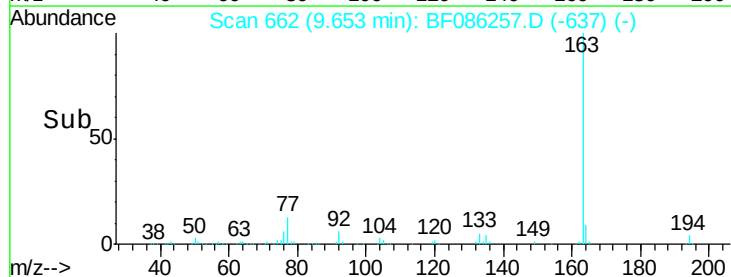
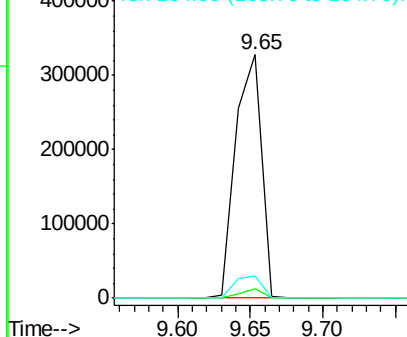


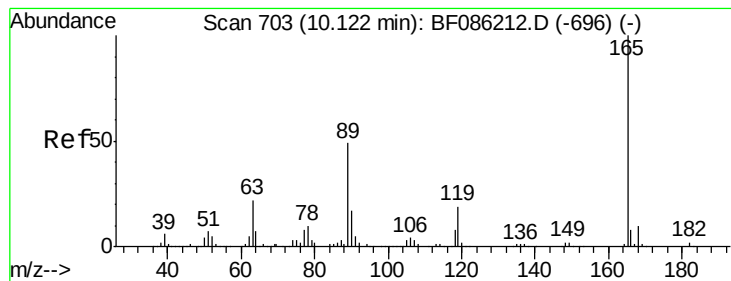
#49
 Dimethylphthalate
 Concen: 11.08 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF086257.D
 Acq: 16 Apr 2016 11:11

Tgt Ion:163 Resp: 405367
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.8 4.2
 164 9.2 8.4 12.6



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: 6.28 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.19 min

Lab File: BF086257.D

Acq: 16 Apr 2016 11:11

Instrument :

BNA_F

ClientSampleId :

CDMSH1

Tgt Ion:165 Resp: 65143

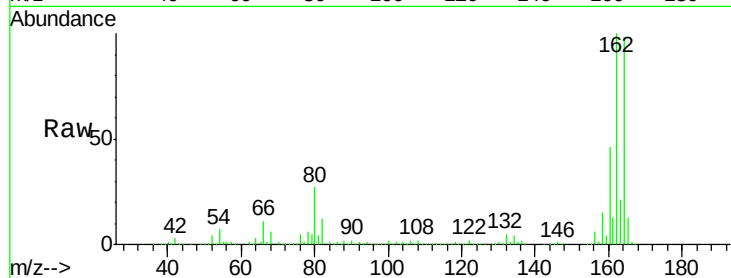
Ion Ratio Lower Upper

165 100

63 1.3 26.6 40.0#

89 1.6 49.5 74.3#

182 0.0 1.9 2.9#

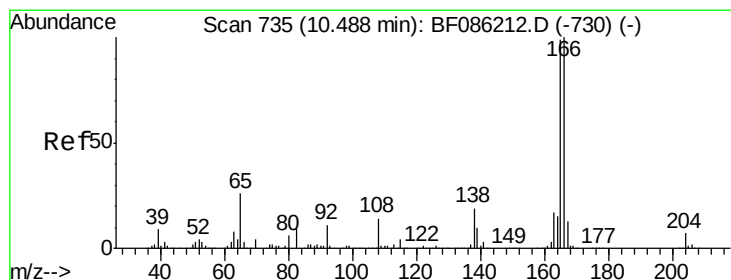
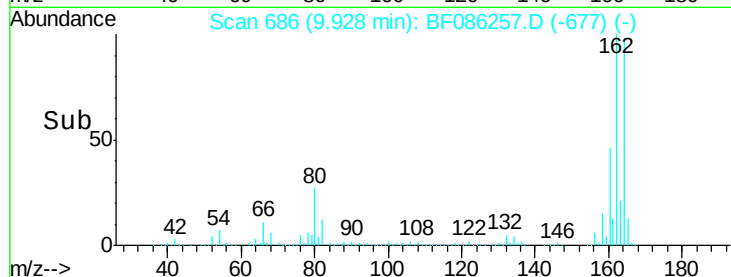
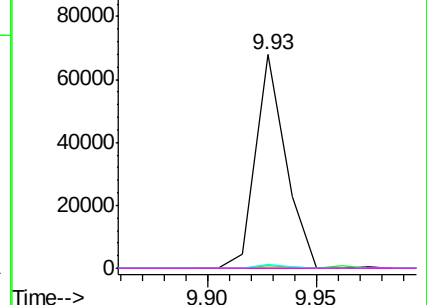


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF086257.D

Acq: 16 Apr 2016 11:11

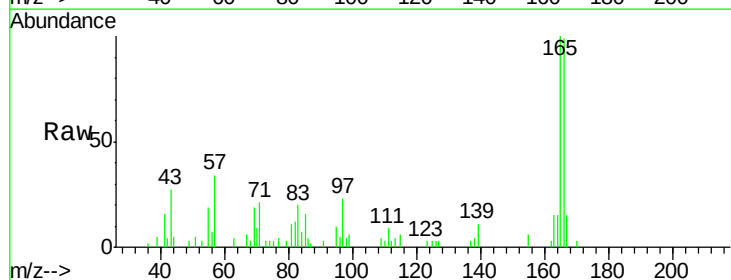
Tgt Ion:166 Resp: 11392

Ion Ratio Lower Upper

166 100

165 101.2 78.6 117.8

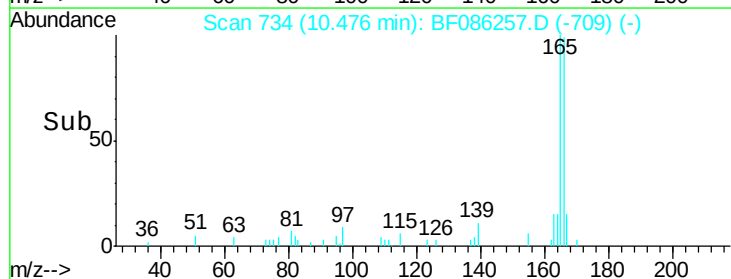
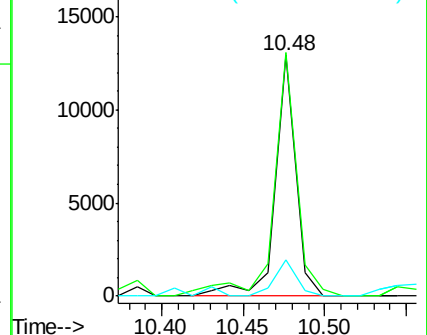
167 15.3 10.4 15.6

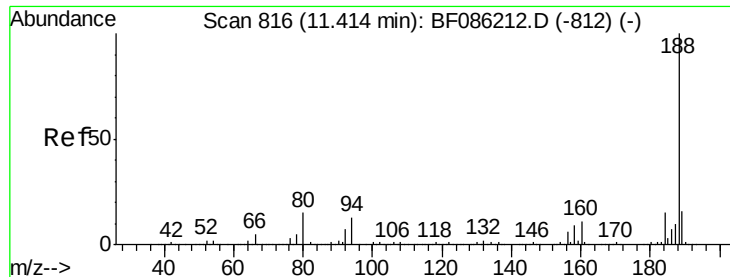


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

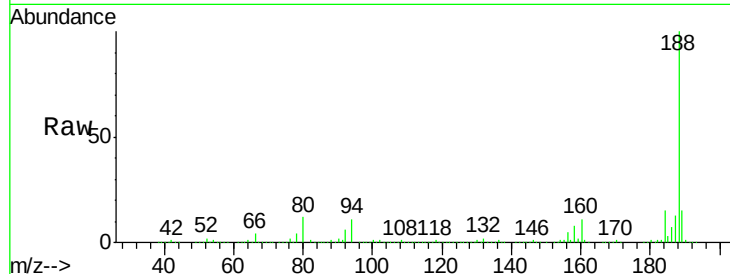




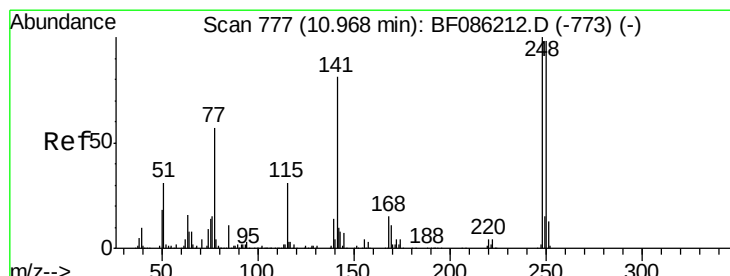
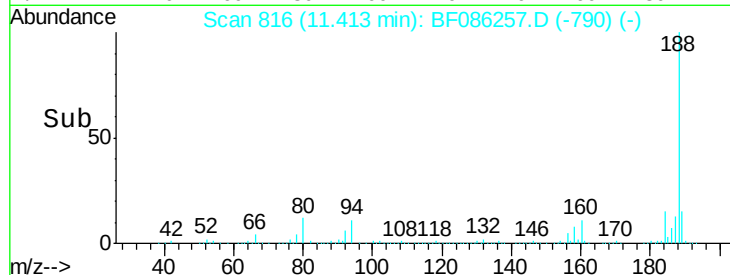
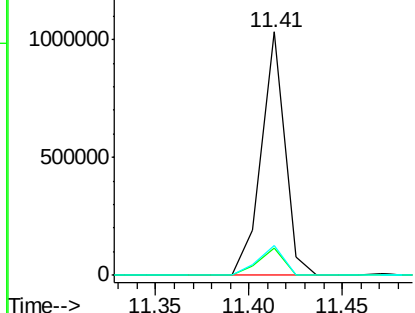
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF086257.D
Acq: 16 Apr 2016 11:11

Instrument :
BNA_F
ClientSampleId :
CDMSH1

Tgt Ion:188 Resp: 894694
Ion Ratio Lower Upper
188 100
94 11.1 9.8 14.8
80 12.1 10.5 15.7

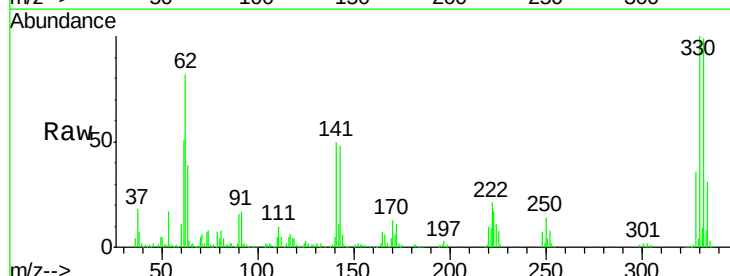


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

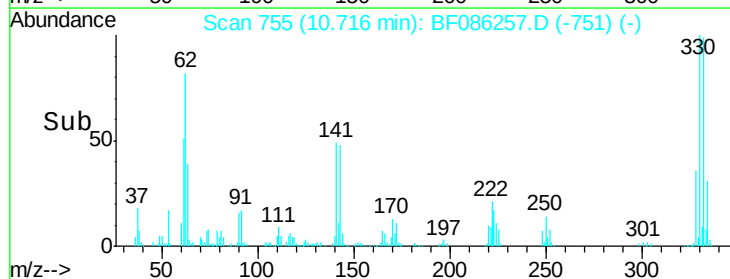
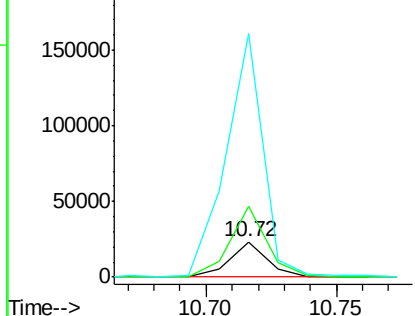


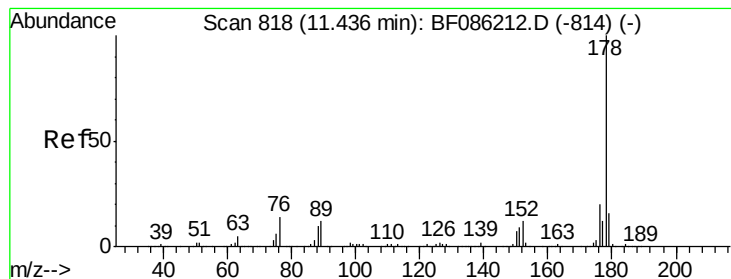
#66
4-Bromophenyl-phenylether
Concen: 2.72 ng
RT: 10.72 min Scan# 755
Delta R.T. -0.25 min
Lab File: BF086257.D
Acq: 16 Apr 2016 11:11

Tgt Ion:248 Resp: 22716
Ion Ratio Lower Upper
248 100
250 200.0 78.6 118.0#
141 693.3 57.9 86.9#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 5.01 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086257.D

Acq: 16 Apr 2016 11:11

Instrument :

BNA_F

ClientSampleId :

CDMSH1

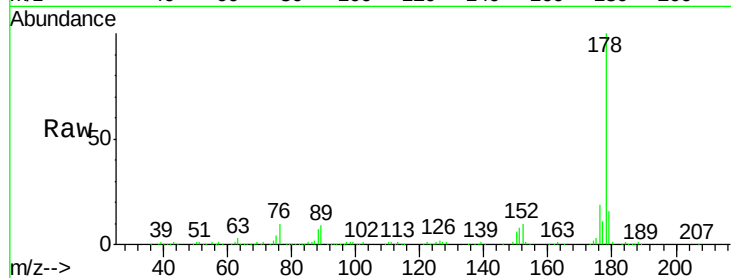
Tgt Ion:178 Resp: 213955

Ion Ratio Lower Upper

178 100

176 19.4 16.3 24.5

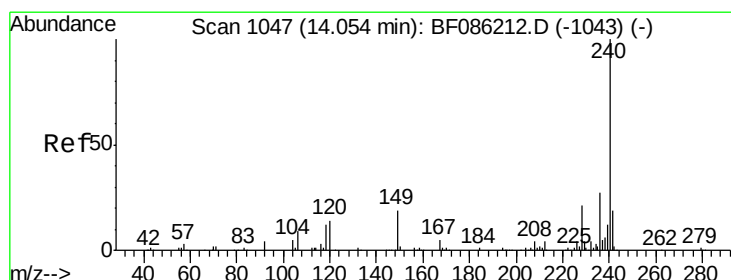
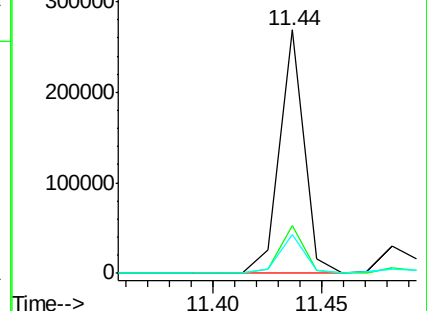
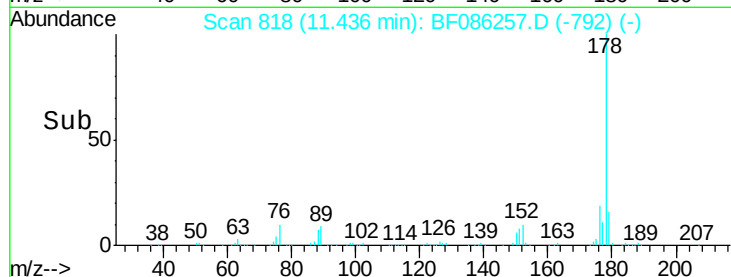
179 15.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086257.D

Acq: 16 Apr 2016 11:11

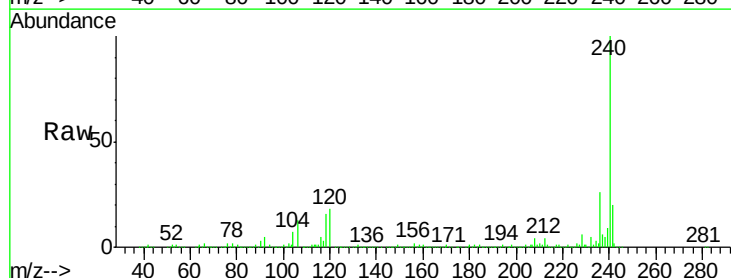
Tgt Ion:240 Resp: 561995

Ion Ratio Lower Upper

240 100

120 18.2 9.3 13.9#

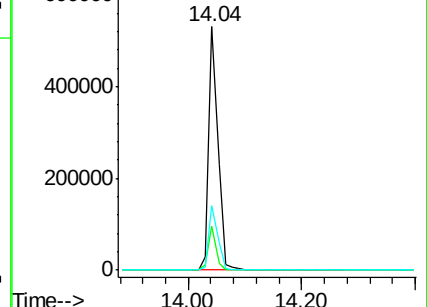
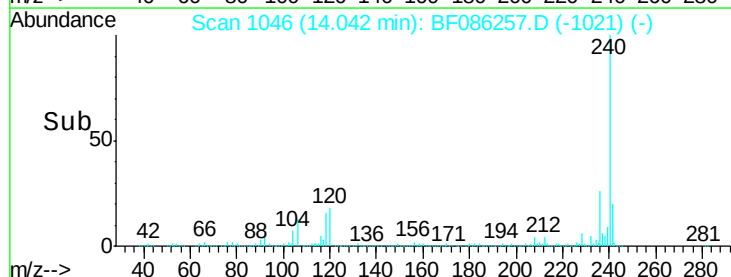
236 26.3 21.1 31.7

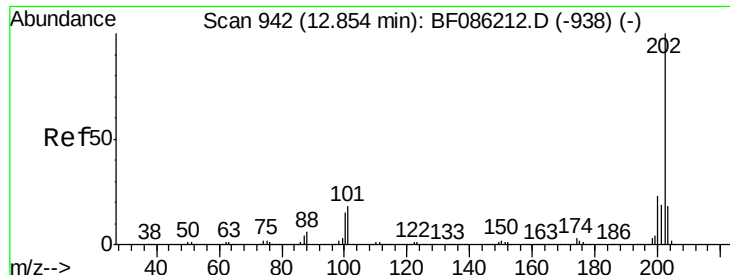


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

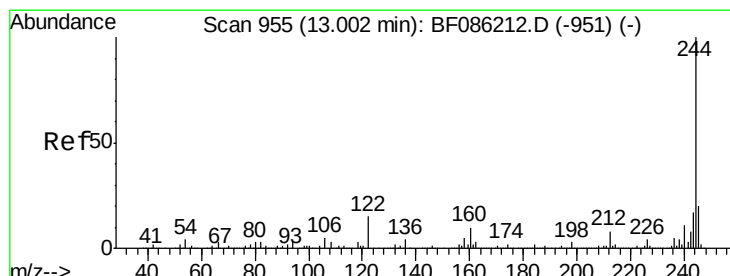
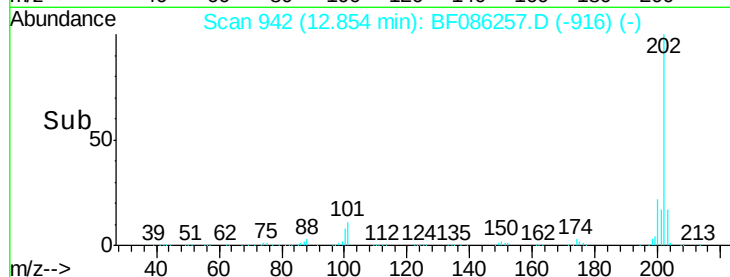
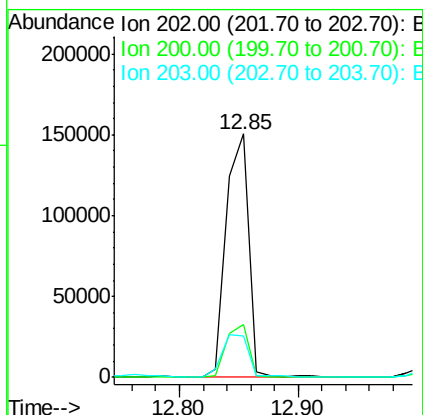
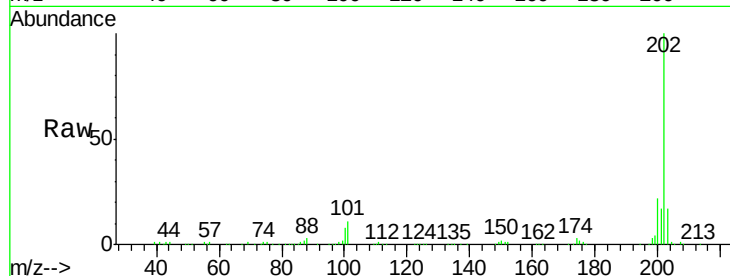




#77
 Pyrene
 Concen: 4.56 ng
 RT: 12.85 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: BF086257.D
 Acq: 16 Apr 2016 11:11

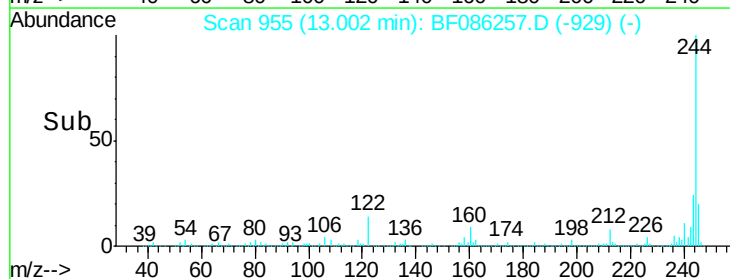
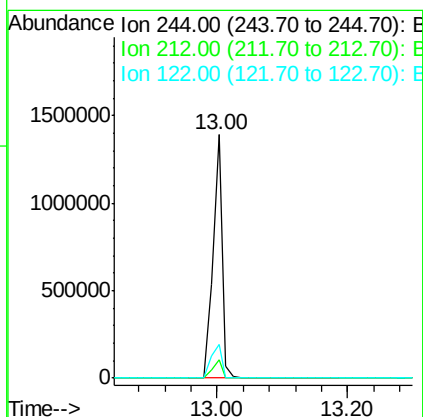
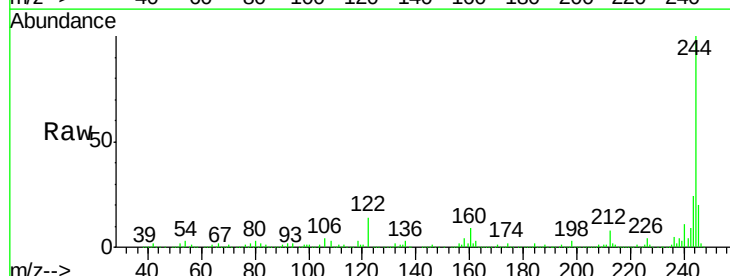
Instrument :
 BNA_F
 ClientSampleId :
 CDMSh1

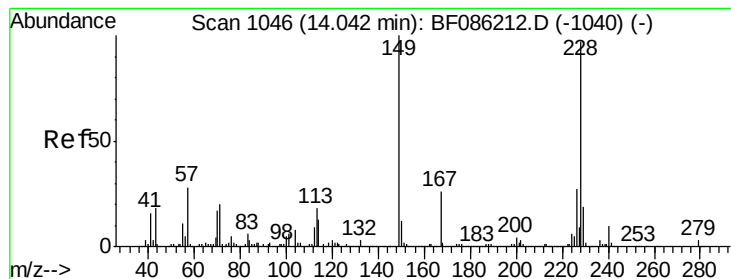
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.3	27.5
203	17.1	14.9	22.3



#78
 Terphenyl-d14
 Concen: 62.23 ng
 RT: 13.00 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: BF086257.D
 Acq: 16 Apr 2016 11:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.4	9.6
122	13.8	11.7	17.5





#80

Benzo(a)anthracene

Concen: 2.60 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF086257.D

Acq: 16 Apr 2016 11:11

Instrument :

BNA_F

ClientSampleId :

CDMSH1

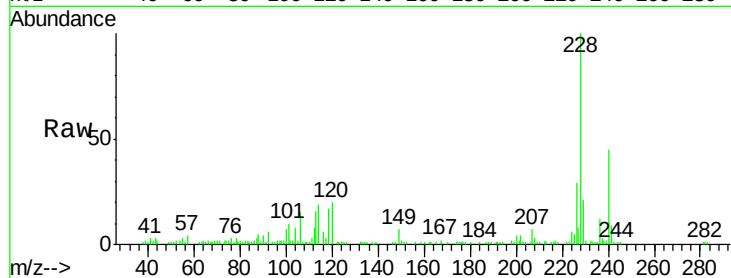
Tgt Ion:228 Resp: 80172

Ion Ratio Lower Upper

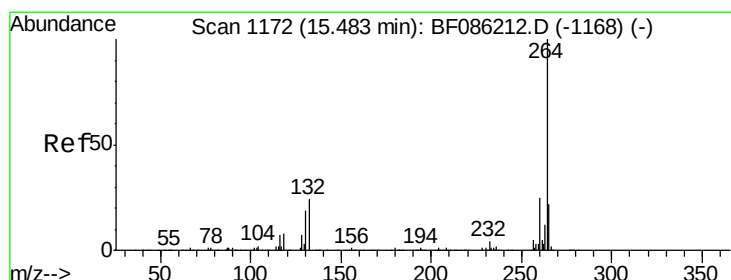
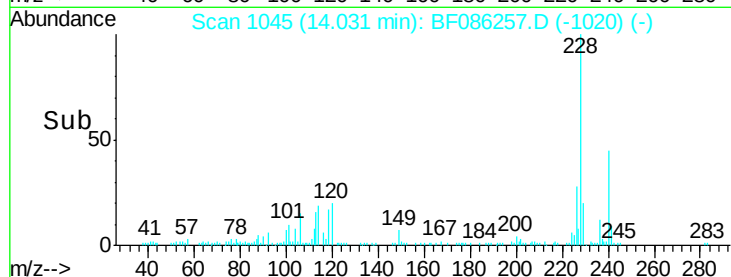
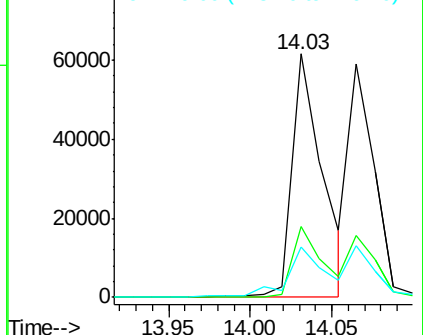
228 100

226 28.9 22.5 33.7

229 20.9 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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF086257.D

Acq: 16 Apr 2016 11:11

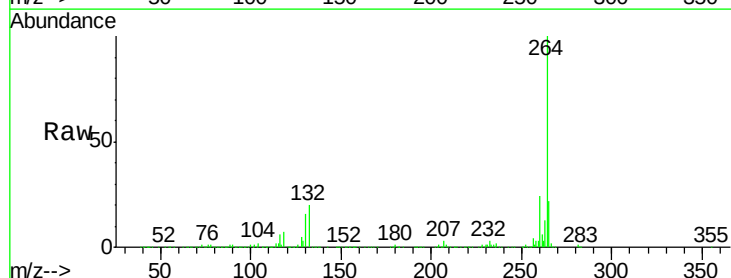
Tgt Ion:264 Resp: 487947

Ion Ratio Lower Upper

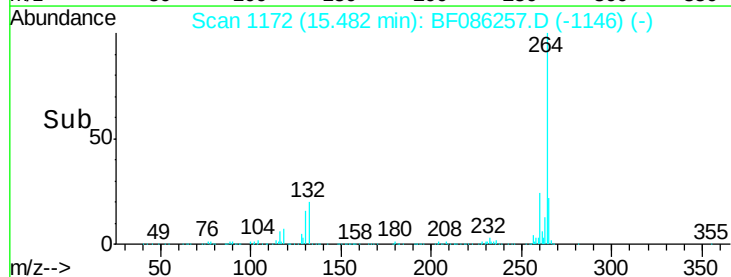
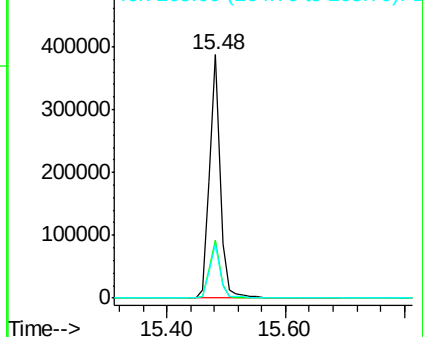
264 100

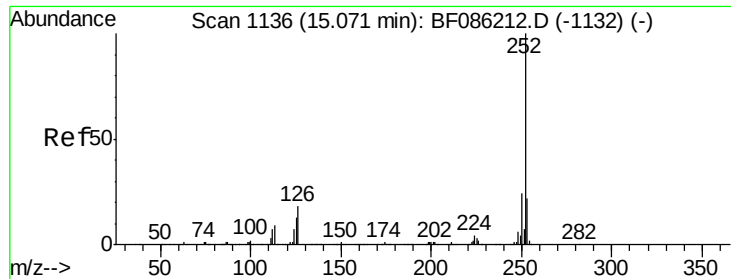
260 23.9 20.0 30.0

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: 2.84 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF086257.D

Acq: 16 Apr 2016 11:11

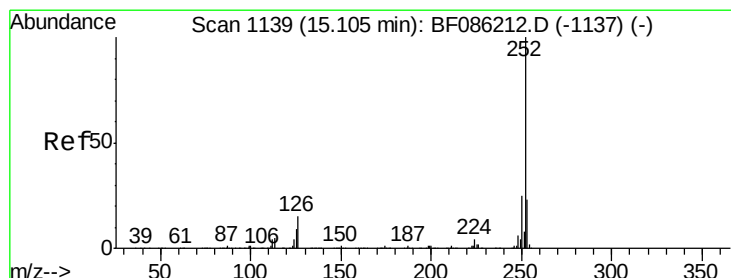
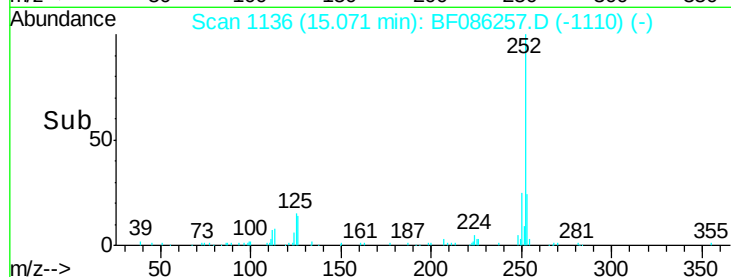
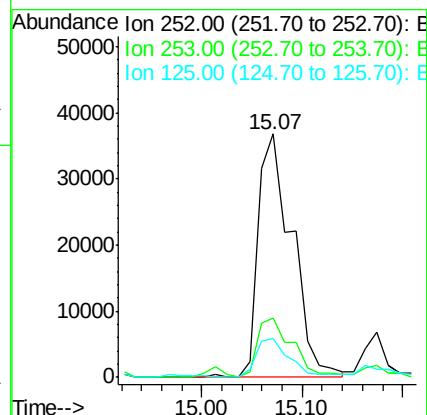
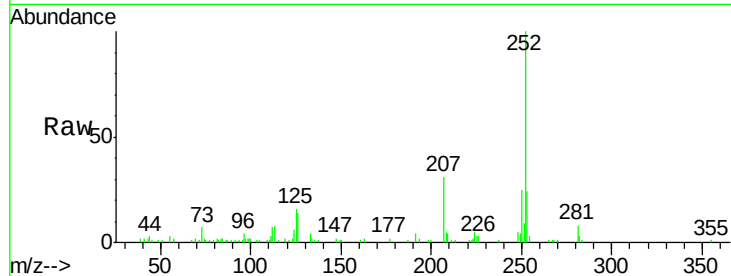
Instrument :

BNA_F

ClientSampleId :

CDMSH1

Tgt Ion:	252	Resp:	85467
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	16.1	10.3	15.5#



#88

Benzo(k)fluoranthene

Concen: 3.11 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.03 min

Lab File: BF086257.D

Acq: 16 Apr 2016 11:11

Tgt Ion:	252	Resp:	85467
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	16.1	7.8	11.6#

