

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087817.D
 Acq On : 8 Jun 2016 18:50
 Operator : UM/SJ
 Sample : H3378-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-18

Quant Time: Jun 09 02:00:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	113151	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	481211	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	199477	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	303773	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	253748	20.00	ng	0.00
86) Perylene-d12	15.42	264	220802	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	326283	49.30	ng	-0.01
7) Phenol-d6	6.46	99	443269	55.26	ng	-0.02
23) Nitrobenzene-d5	7.38	82	217047	26.34	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	79969	37.97	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	418552	29.34	ng	-0.02
78) Terphenyl-d14	12.94	244	264119	23.69	ng	-0.01

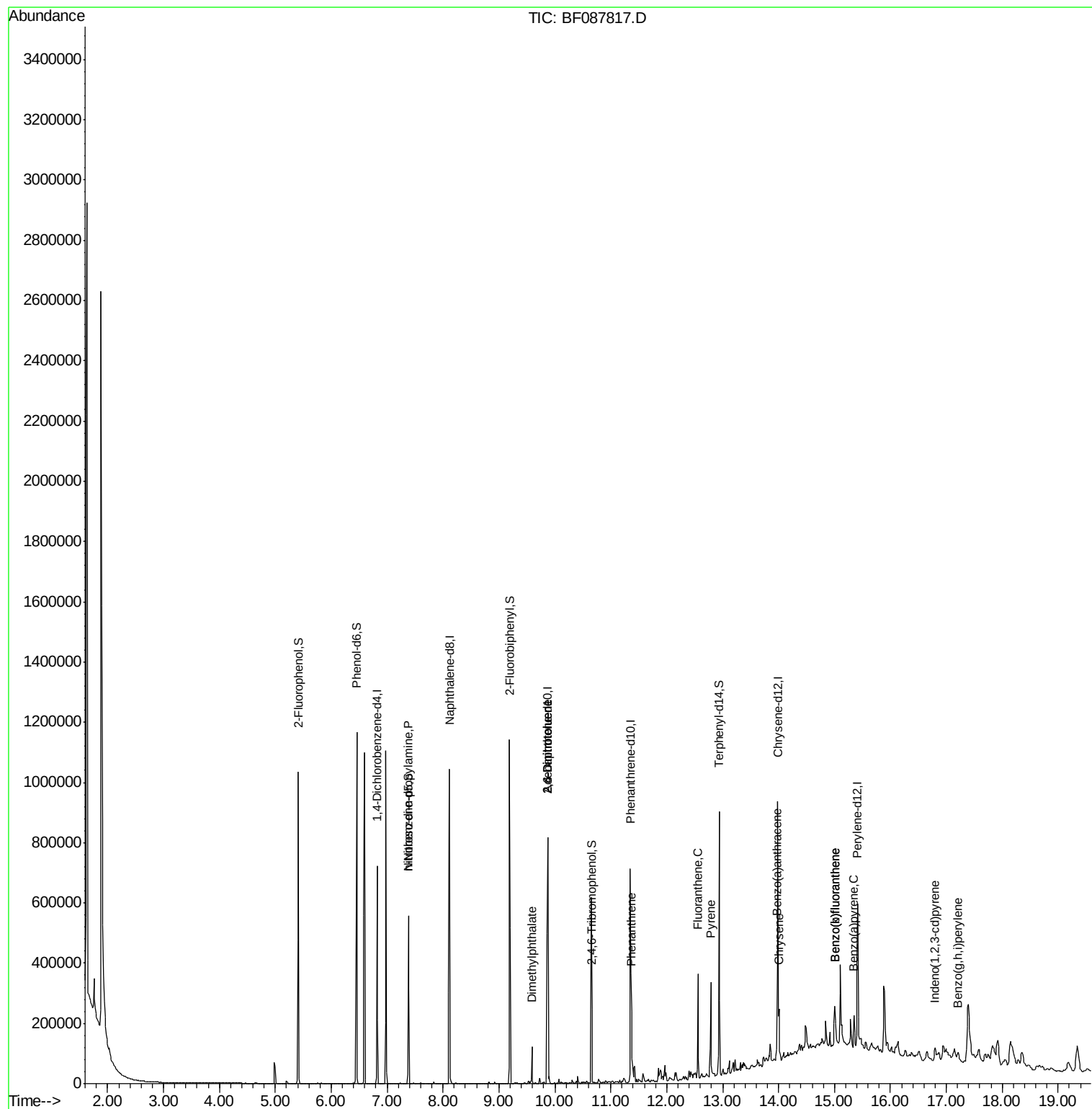
Target Compounds				Qvalue		
10) Phenol	6.47	94	2642	Below Cal		97
19) n-Nitroso-di-n-propylamine	7.38	70	27656	5.39 ng	#	76
45) 1,1'-Biphenyl	9.29	154	772	Below Cal	#	43
49) Dimethylphthalate	9.59	163	45663	3.16 ng		99
50) 2,6-Dinitrotoluene	9.87	165	25277	7.64 ng	#	39
56) 2,4-Dinitrotoluene	9.87	165	25277	5.94 ng	#	37
57) Fluorene	10.41	166	7744	Below Cal		99
70) Phenanthrene	11.37	178	89156	5.59 ng		99
74) Fluoranthene	12.56	202	130574	7.76 ng		99
77) Pyrene	12.79	202	120053	6.38 ng		98
80) Benzo(a)anthracene	13.98	228	69846	4.83 ng		96
82) Chrysene	14.01	228	50156	3.69 ng		95
85) Indeno(1,2,3-cd)pyrene	16.80	276	26651	2.11 ng	#	100
87) Benzo(b)fluoranthene	15.01	252	95464	6.20 ng	#	93
88) Benzo(k)fluoranthene	15.01	252	95464	8.22 ng		98
89) Benzo(a)pyrene	15.35	252	45406	3.65 ng		97
91) Benzo(g,h,i)perylene	17.21	276	26475	2.23 ng		96

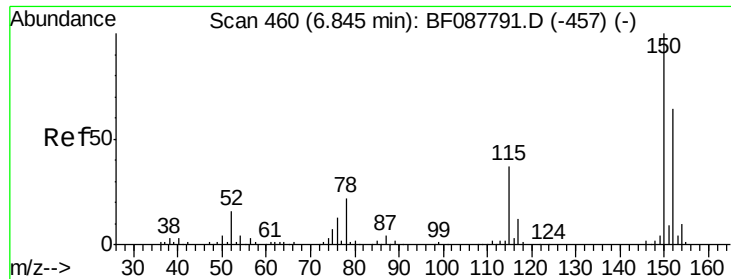
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

Instrument :

BNA_F

ClientSampleId :

SS-18

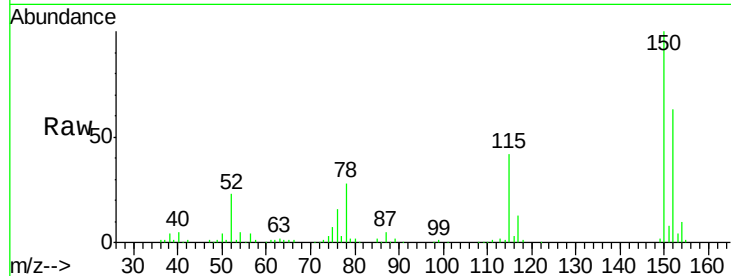
Tgt Ion:152 Resp: 113151

Ion Ratio Lower Upper

152 100

150 157.8 123.8 185.6

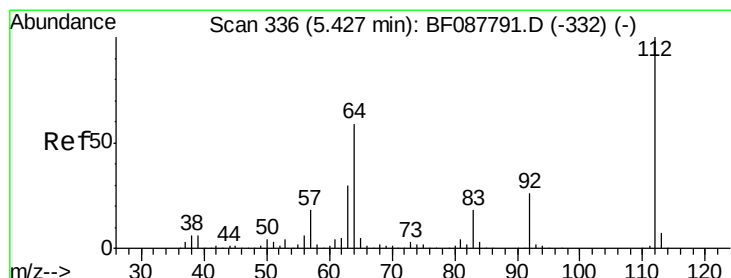
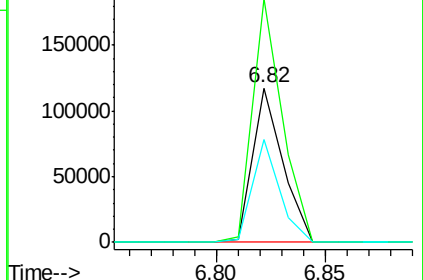
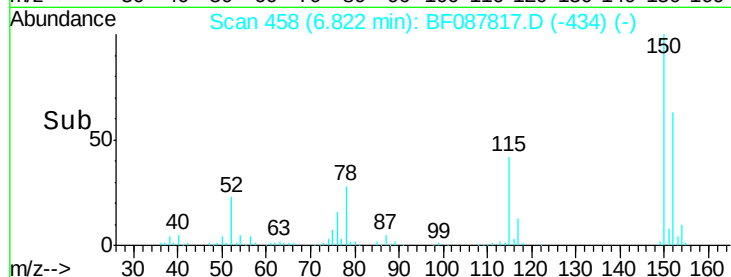
115 66.3 39.6 59.4#



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: 49.30 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

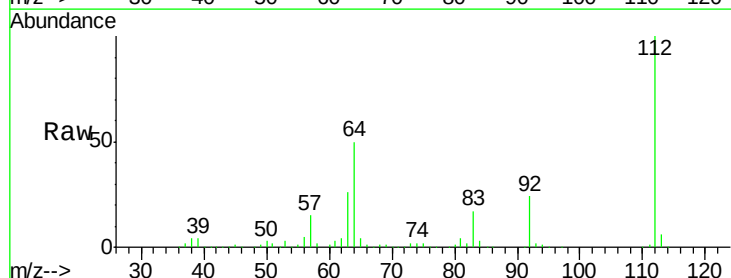
Tgt Ion:112 Resp: 326283

Ion Ratio Lower Upper

112 100

64 50.1 42.2 63.2

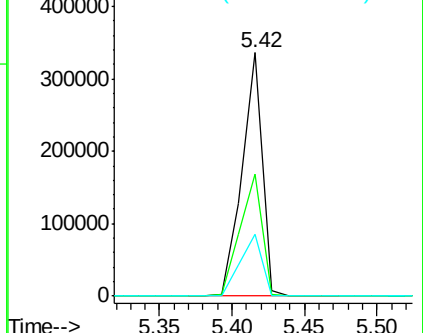
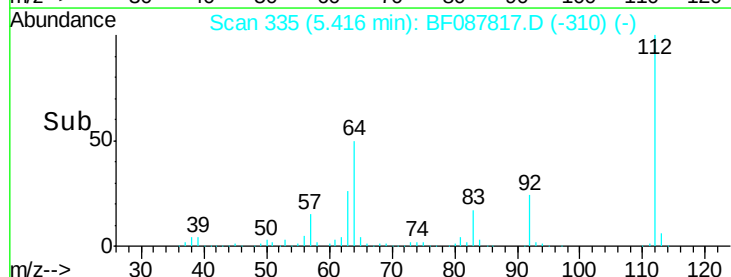
63 25.6 21.8 32.8

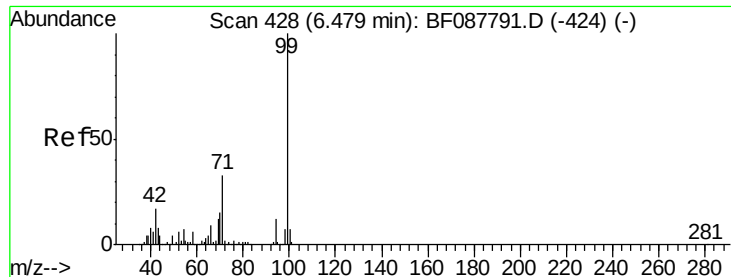


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 55.26 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

Instrument :

BNA_F

ClientSampleId :

SS-18

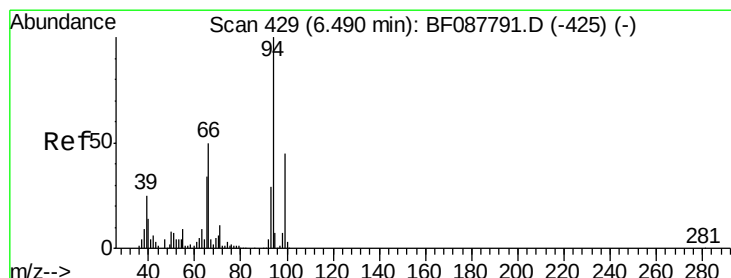
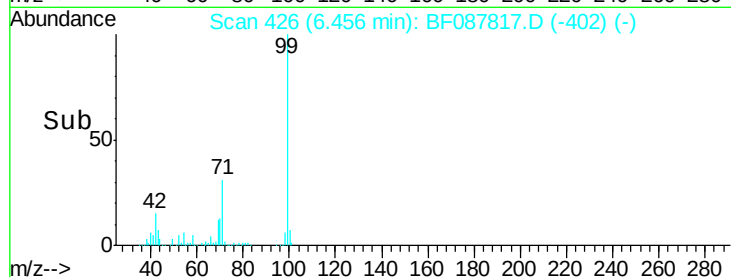
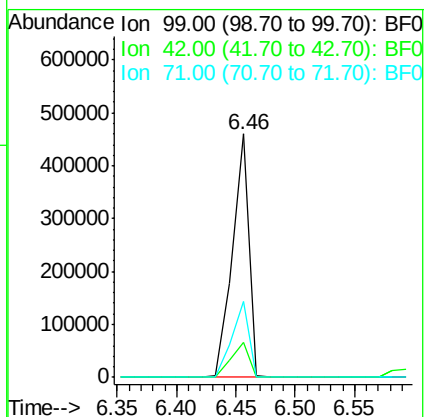
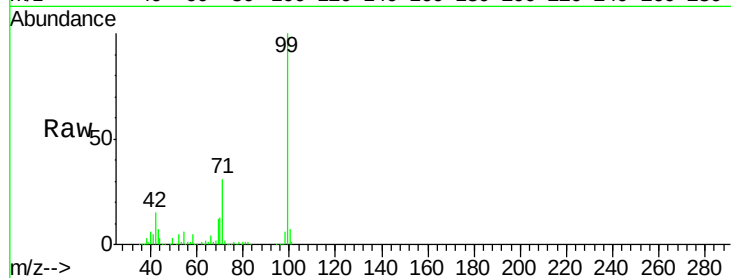
Tgt Ion: 99 Resp: 443269

Ion Ratio Lower Upper

99 100

42 14.6 12.2 18.2

71 31.0 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

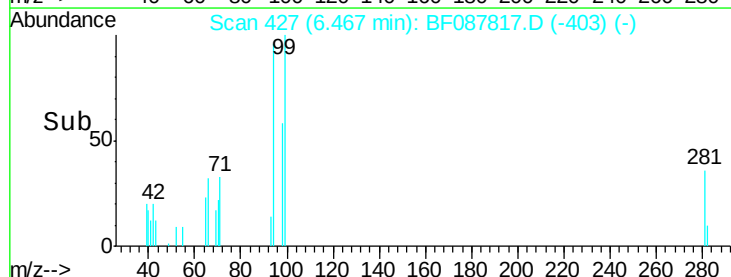
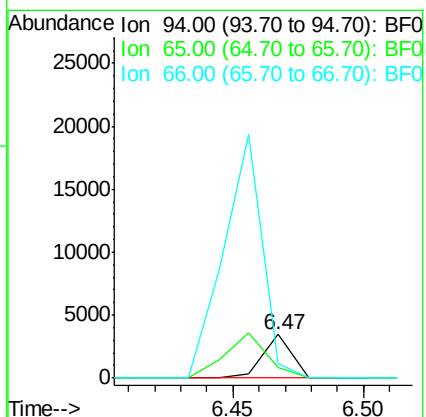
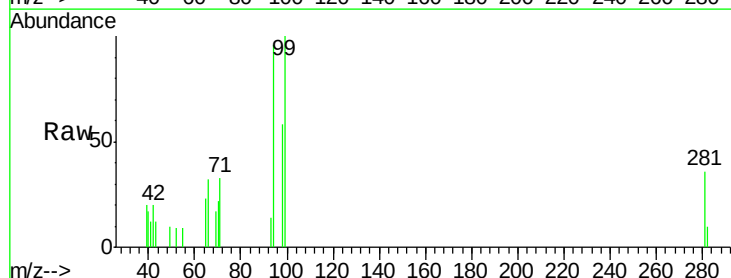
Tgt Ion: 94 Resp: 2642

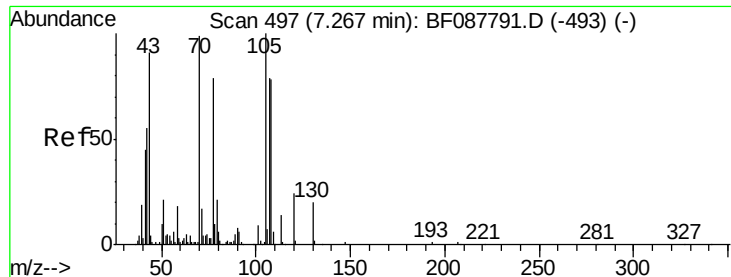
Ion Ratio Lower Upper

94 100

65 23.9 5.9 45.9

66 33.2 14.0 54.0

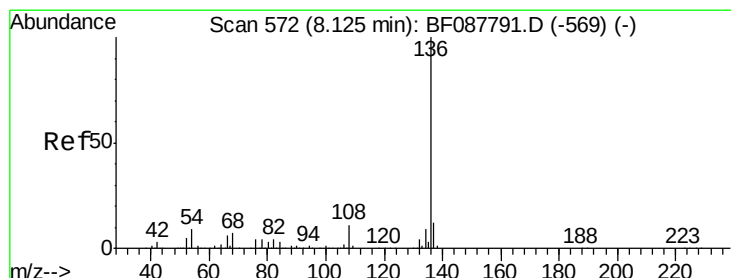
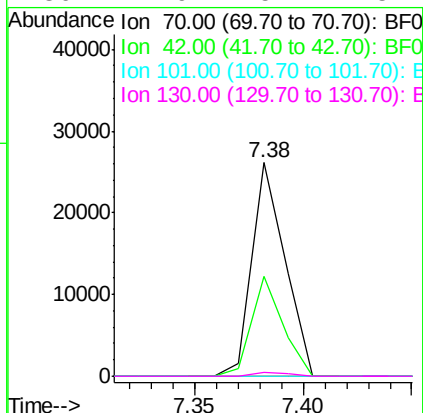
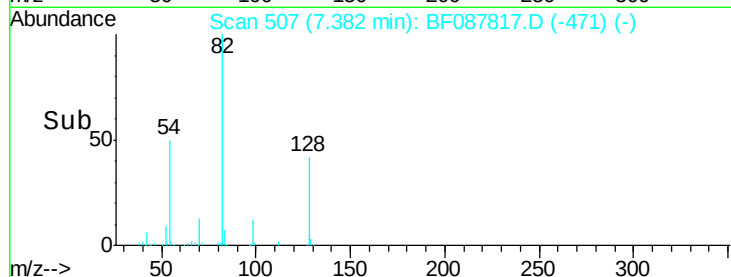
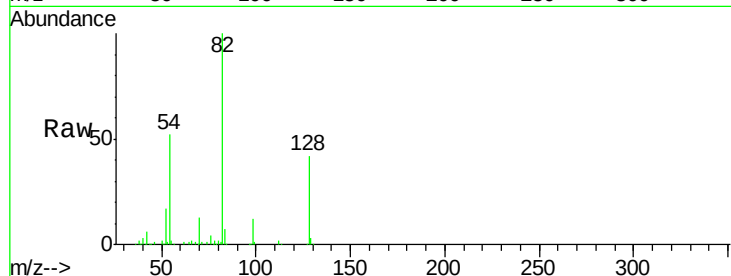




#19
n-Nitroso-di-n-propylamine
Concen: 5.39 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

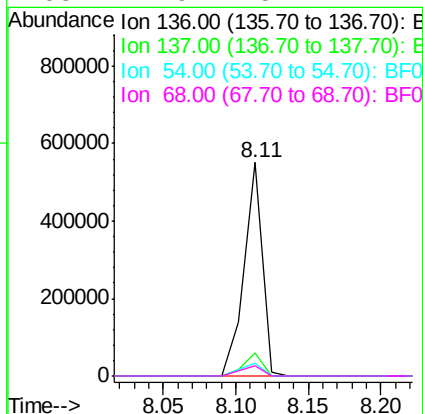
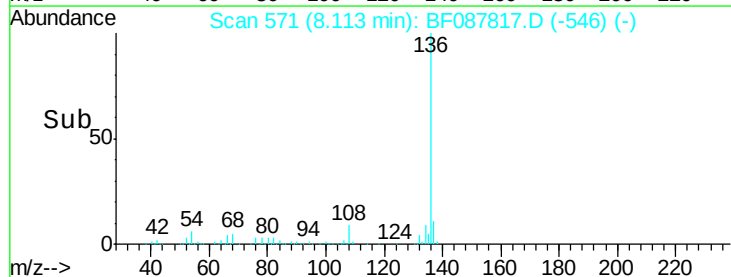
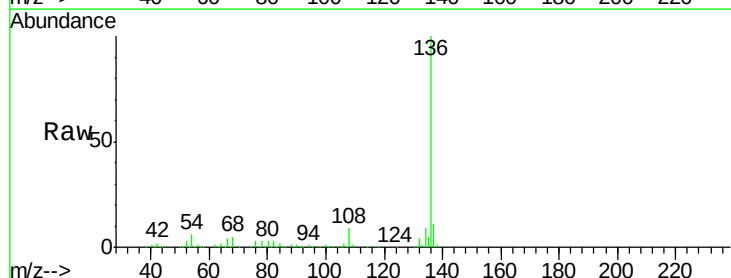
Instrument :
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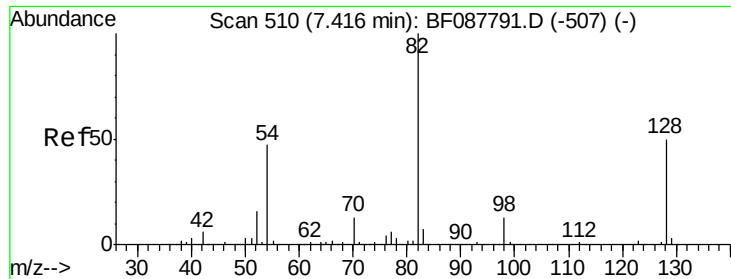
Tgt Ion:	70	Resp:	27656
Ion	Ratio	Lower	Upper
70	100		
42	47.0	49.6	74.4#
101	0.0	7.1	10.7#
130	1.9	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Tgt Ion:	136	Resp:	481211
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.0	6.6	10.0#
68	4.9	5.1	7.7#

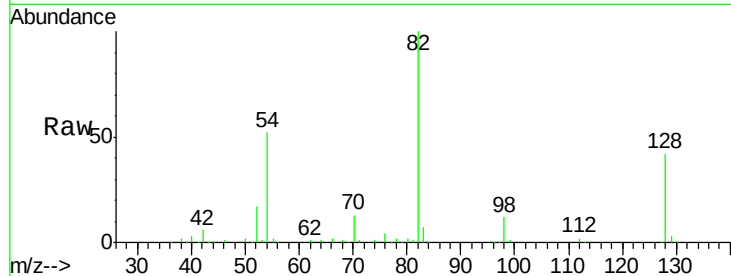




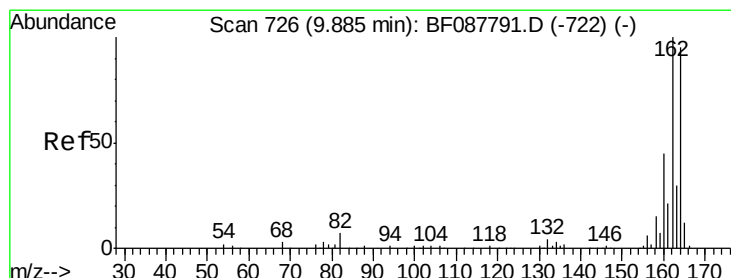
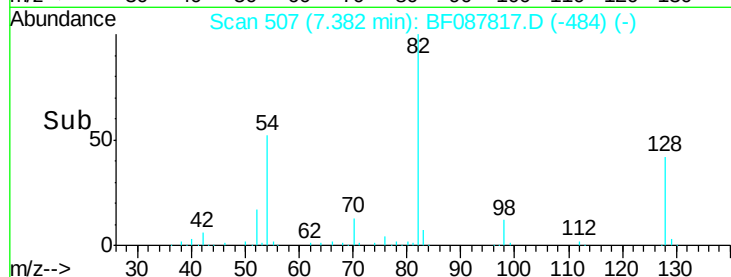
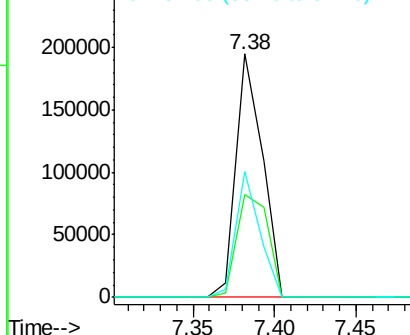
#23
 Nitrobenzene-d5
 Concen: 26.34 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Instrument :
 BNA_F
 ClientSampleId :
 SS-18

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.0	35.9	53.9
54	51.6	40.9	61.3

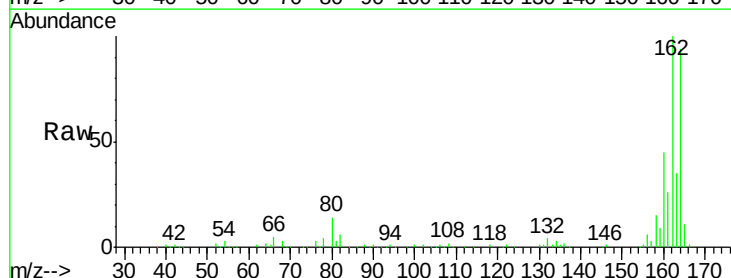


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

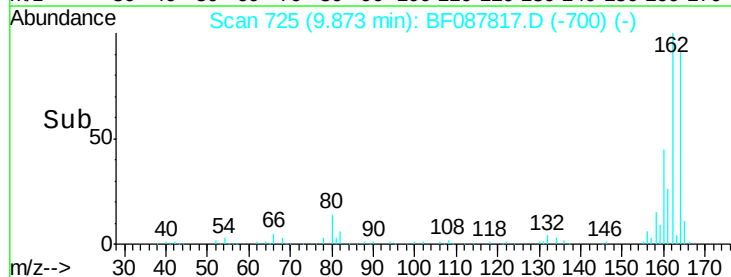
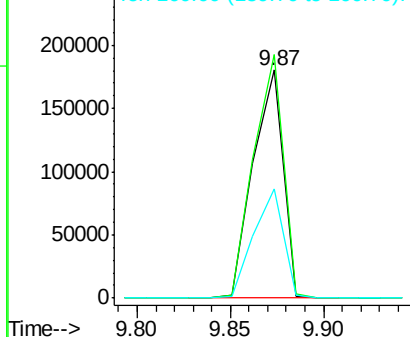


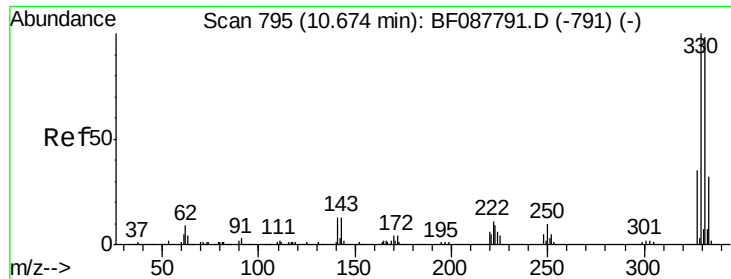
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.7	85.4	128.2
160	48.1	39.5	59.3



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

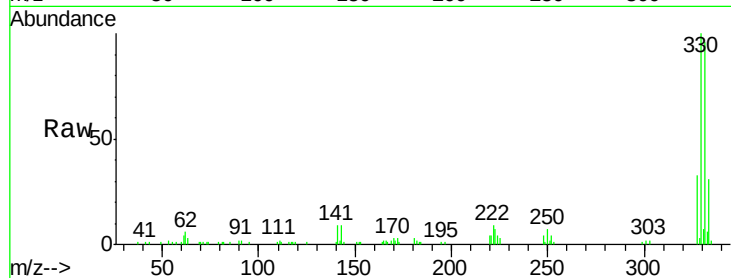




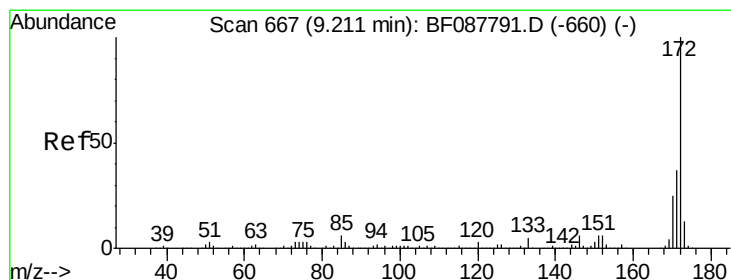
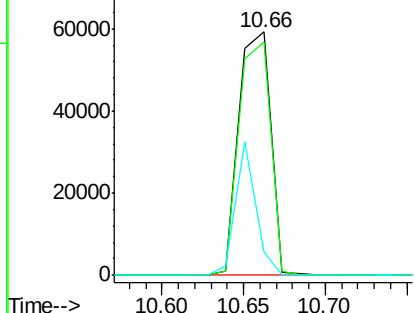
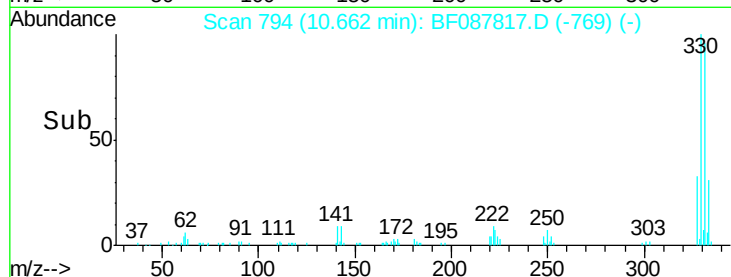
#41
 2,4,6-Tribromophenol
 Concen: 37.97 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Instrument :
 BNA_F
 ClientSampleId :
 SS-18

Tgt Ion:330 Resp: 79969
 Ion Ratio Lower Upper
 330 100
 332 95.6 0.0 0.0#
 141 34.4 0.0 0.0#

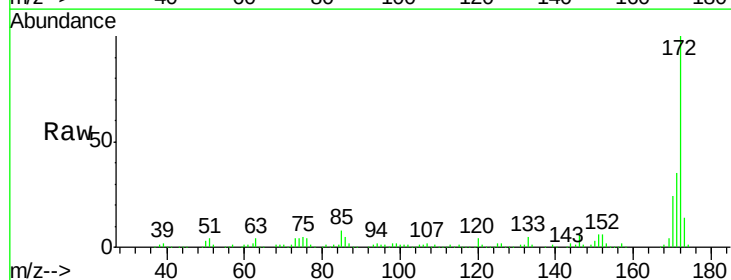


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

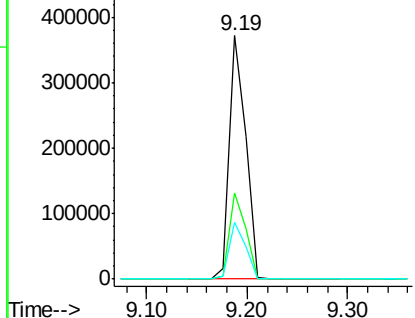
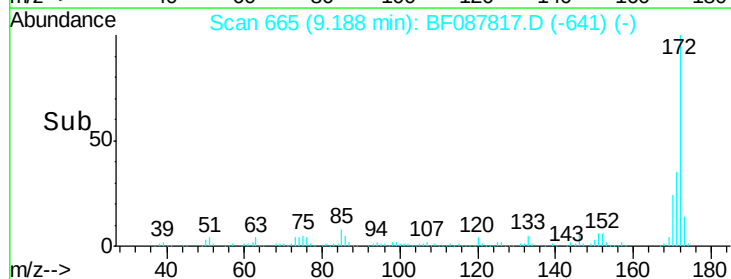


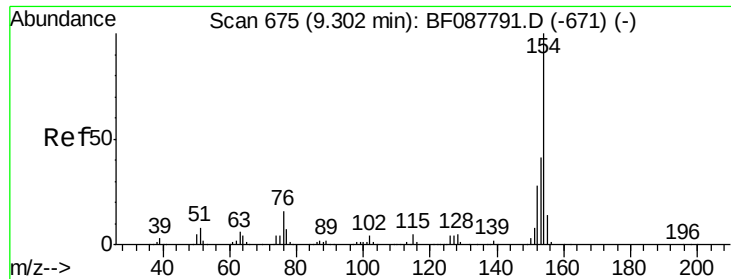
#44
 2-Fluorobiphenyl
 Concen: 29.34 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Tgt Ion:172 Resp: 418552
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.5 19.2 28.8



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

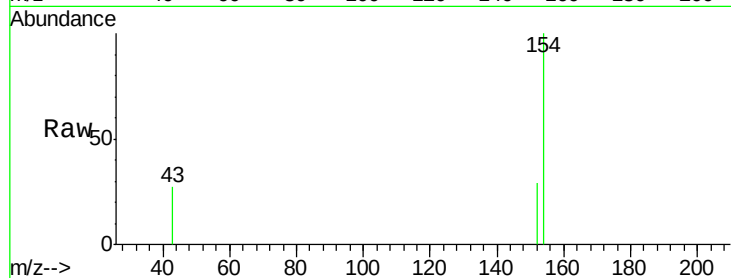




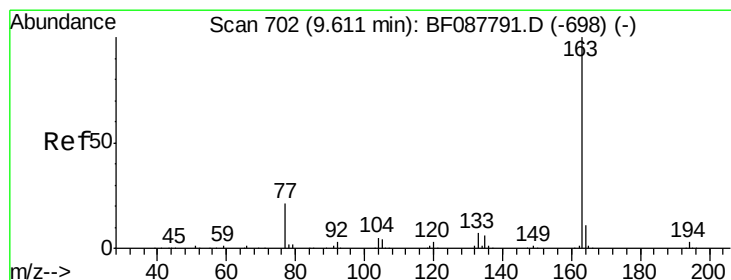
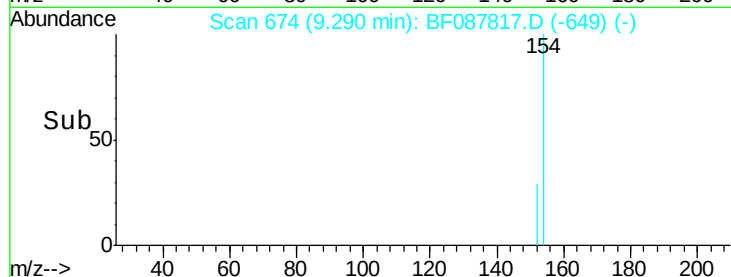
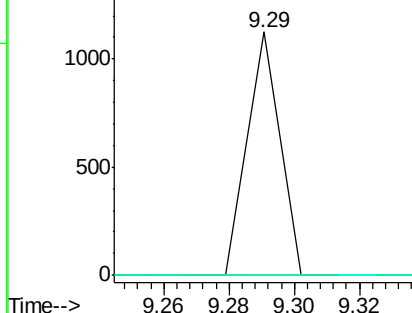
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.29 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Instrument :
 BNA_F
 ClientSampleId :
 SS-18

Tgt Ion:154 Resp: 772
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.6 60.6#
 76 0.0 0.0 35.1

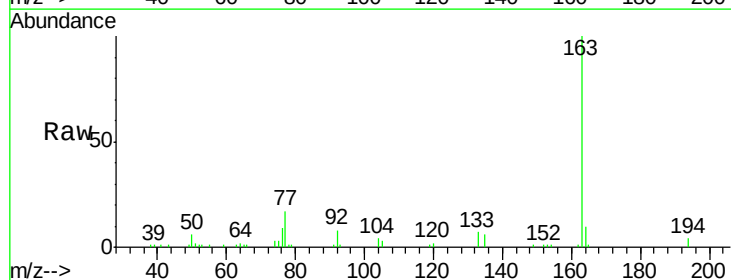


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

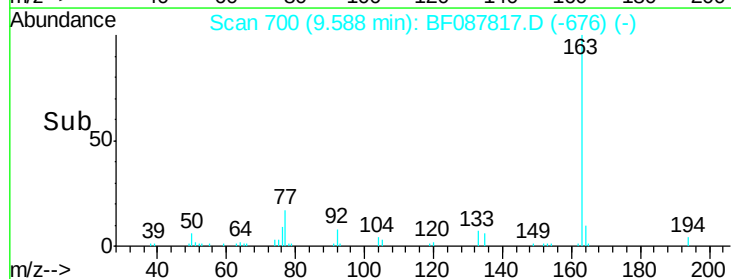
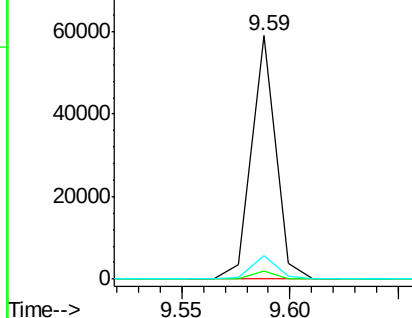


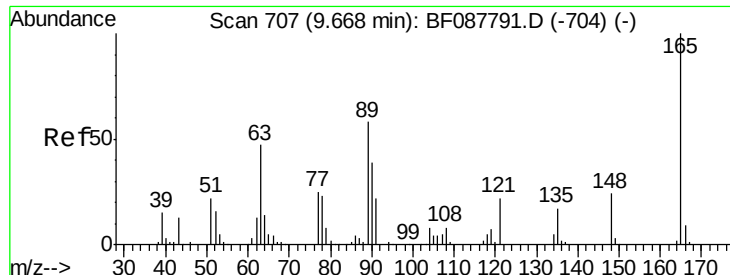
#49
 Dimethylphthalate
 Concen: 3.16 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Tgt Ion:163 Resp: 45663
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.8 4.2
 164 9.7 8.3 12.5



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

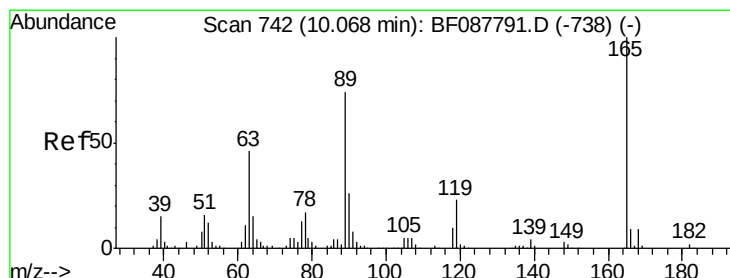
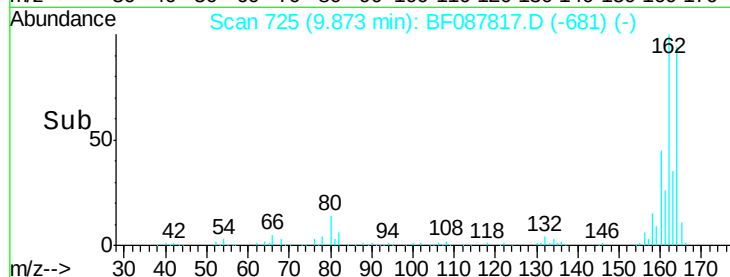
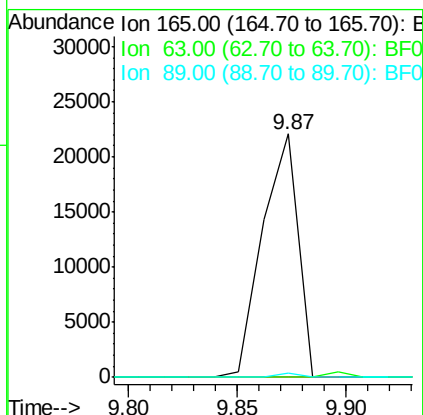
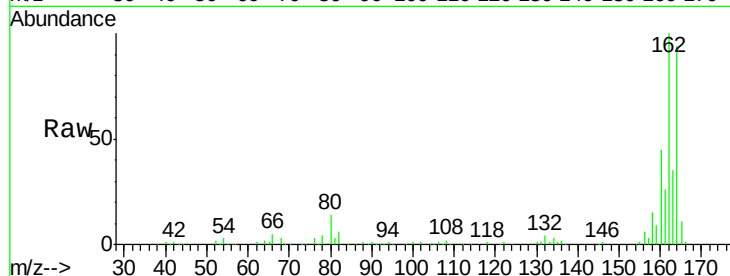




#50
 2,6-Dinitrotoluene
 Concen: 7.64 ng
 RT: 9.87 min Scan# 725
 Delta R.T. 0.21 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

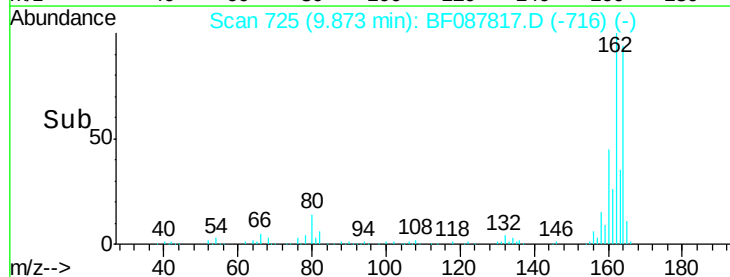
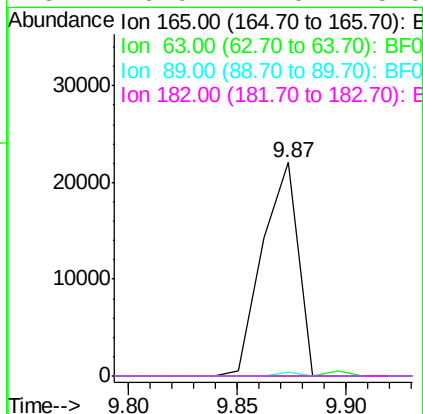
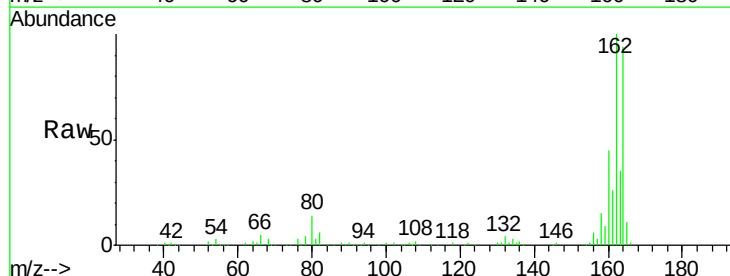
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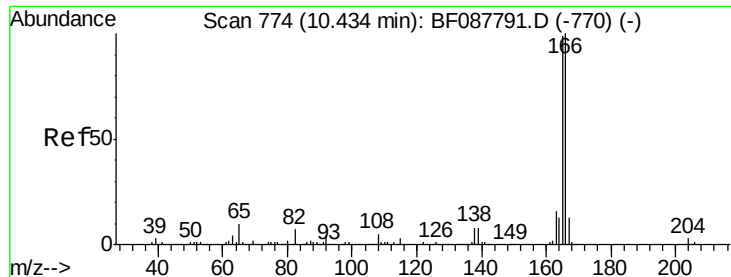
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	1.5	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 5.94 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.19 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.5	41.1	61.7#
182	0.0	2.0	3.0#

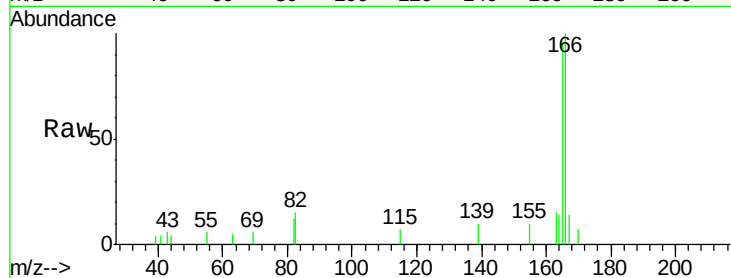




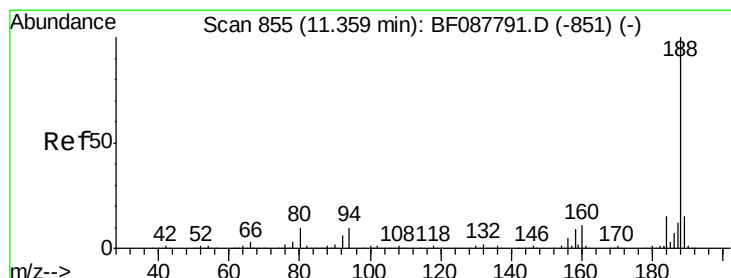
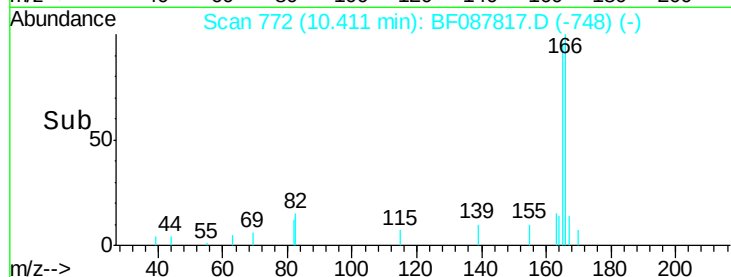
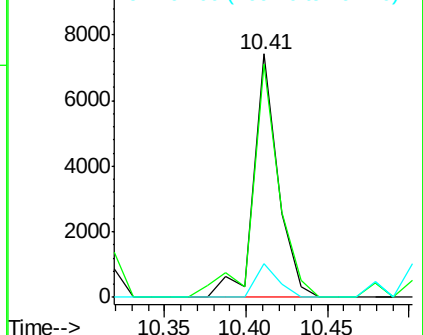
#57
 Fluorene
 Concen: Below Cal
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Instrument :
 BNA_F
 ClientSampleId :
 SS-18

Tgt Ion:166 Resp: 7744
 Ion Ratio Lower Upper
 166 100
 165 96.0 77.8 116.8
 167 13.6 11.2 16.8

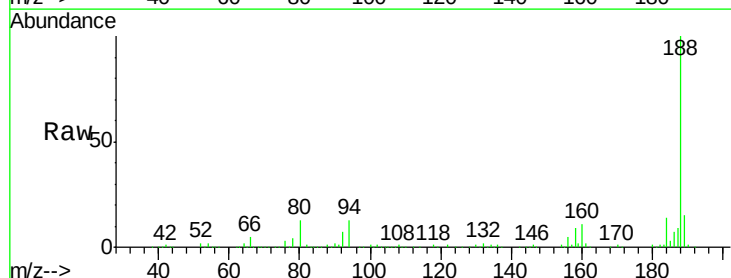


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

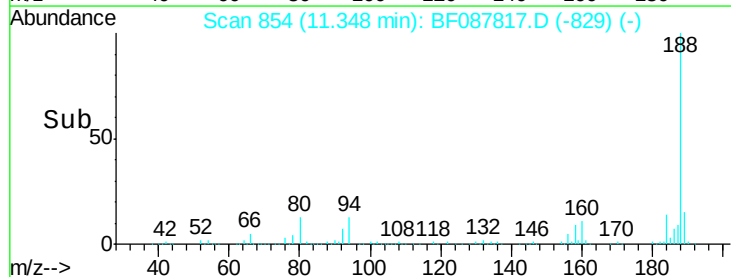
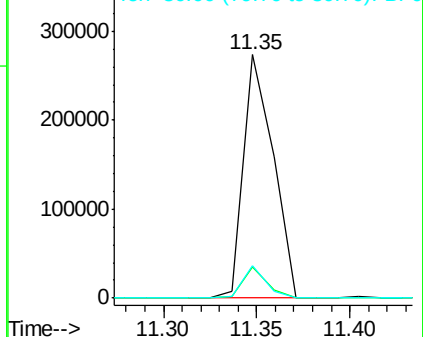


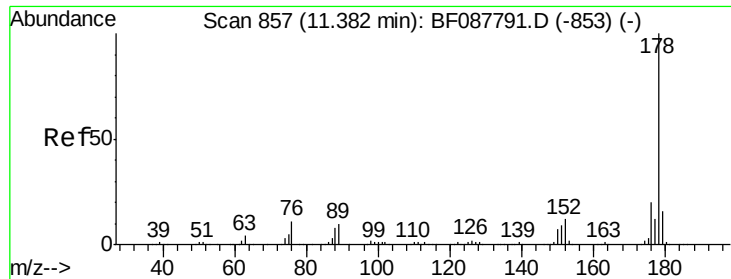
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Tgt Ion:188 Resp: 303773
 Ion Ratio Lower Upper
 188 100
 94 12.7 9.0 13.6
 80 13.5 10.0 15.0



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

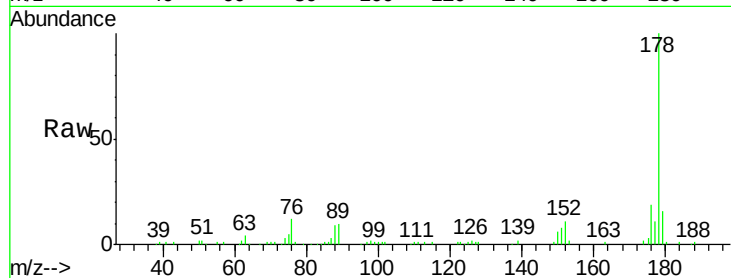




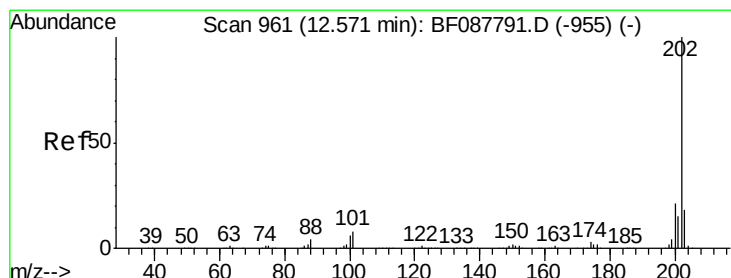
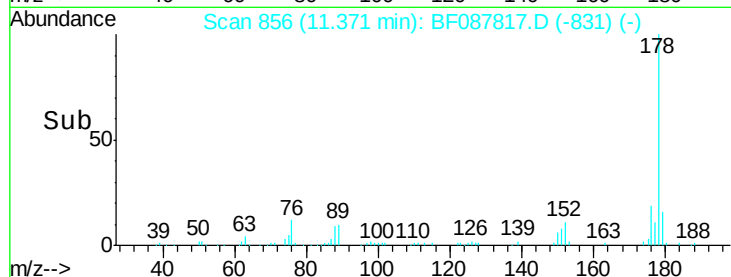
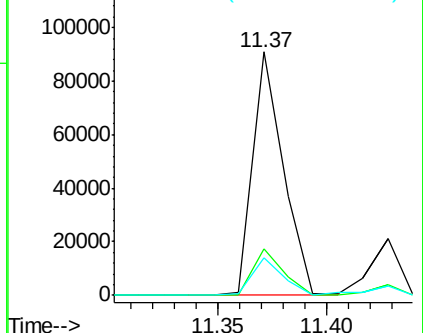
#70
 Phenanthrene
 Concen: 5.59 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Instrument :
 BNA_F
 ClientSampleId :
 SS-18

Tgt Ion:178 Resp: 89156
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.6
 179 15.5 13.0 19.4

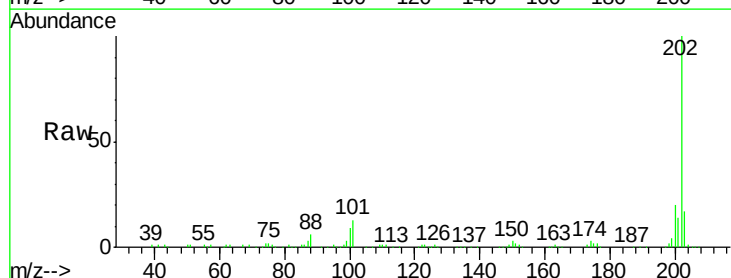


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

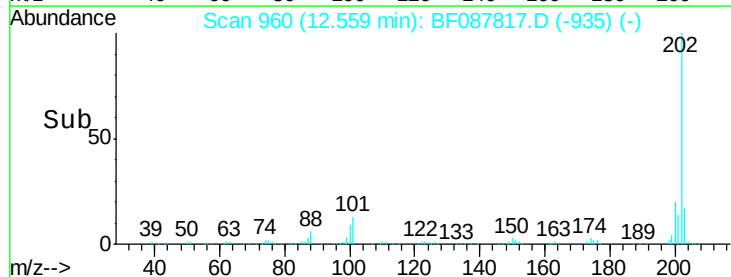
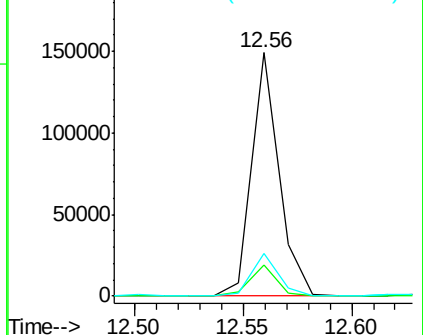


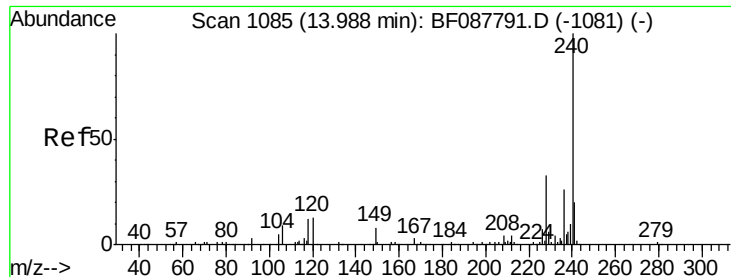
#74
 Fluoranthene
 Concen: 7.76 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Tgt Ion:202 Resp: 130574
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 33.1
 203 17.4 0.0 38.1



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: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

Instrument :

BNA_F

ClientSampleId :

SS-18

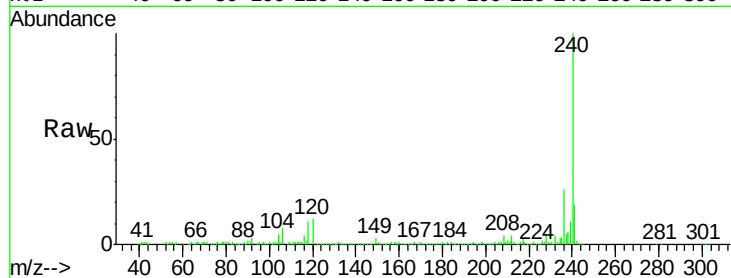
Tgt Ion:240 Resp: 253748

Ion Ratio Lower Upper

240 100

120 12.4 6.8 10.2#

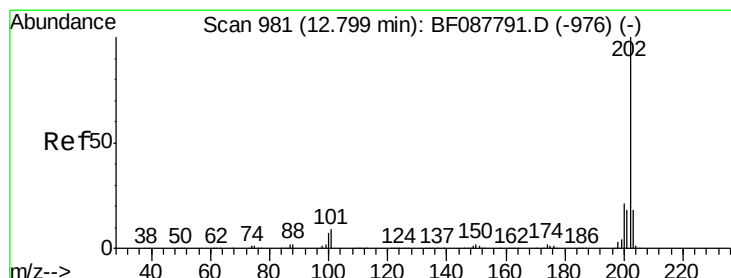
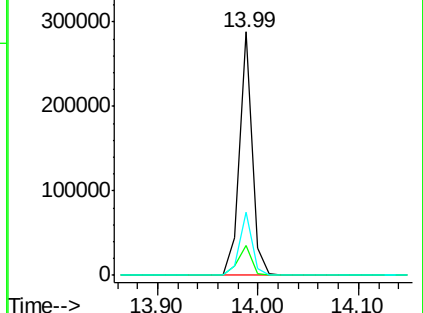
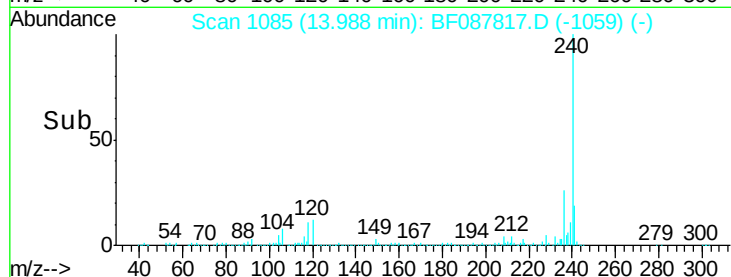
236 25.8 20.2 30.2



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

Pyrene

Concen: 6.38 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

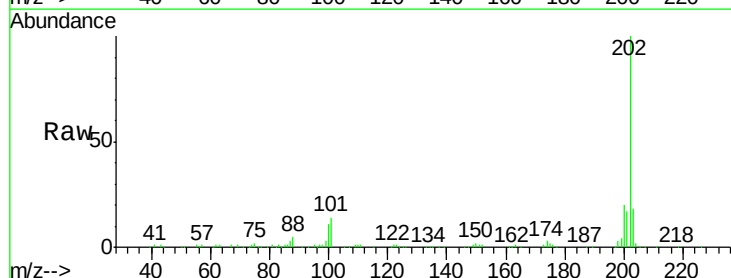
Tgt Ion:202 Resp: 120053

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

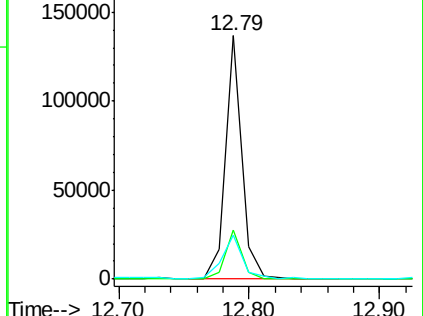
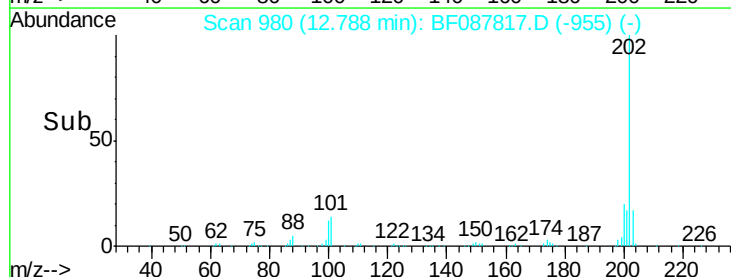
203 17.8 14.5 21.7

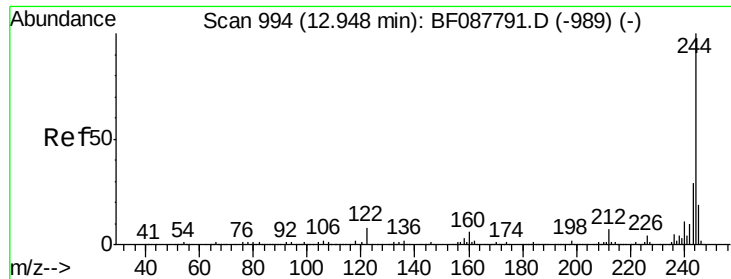


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 23.69 ng

RT: 12.94 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

Instrument :

BNA_F

ClientSampleId :

SS-18

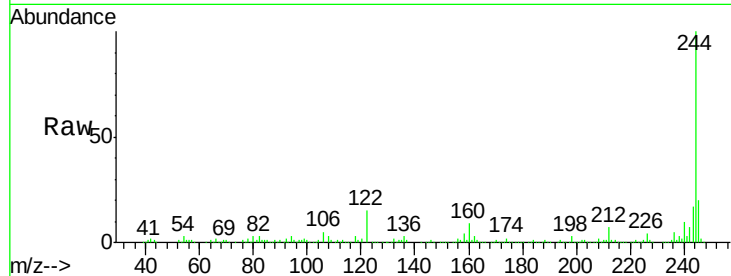
Tgt Ion:244 Resp: 264119

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

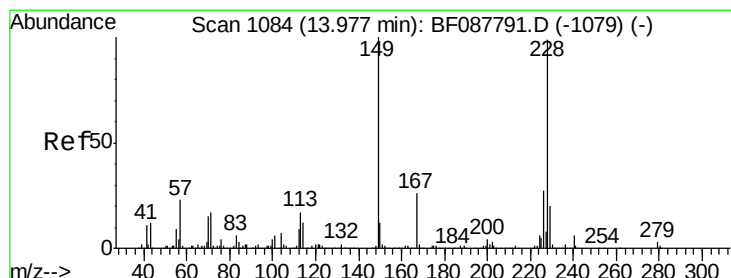
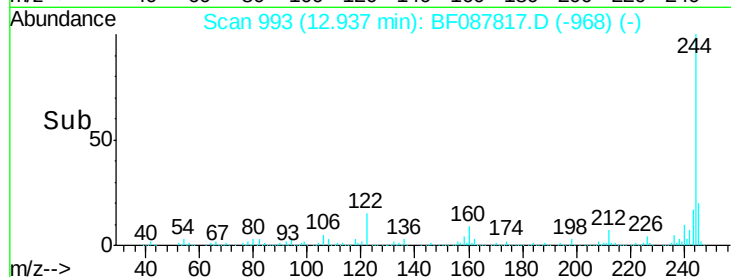
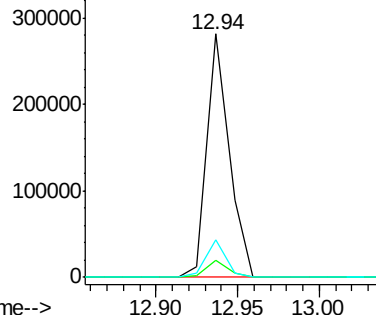
122 15.2 11.2 16.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.83 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

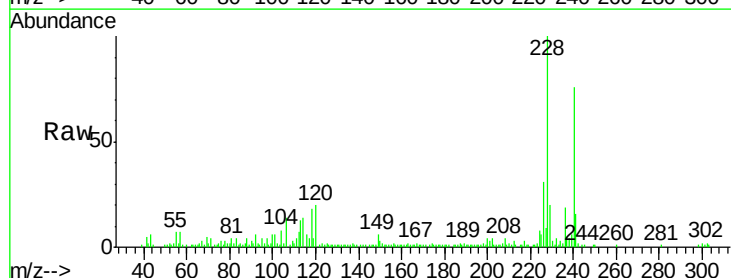
Tgt Ion:228 Resp: 69846

Ion Ratio Lower Upper

228 100

226 31.0 22.3 33.5

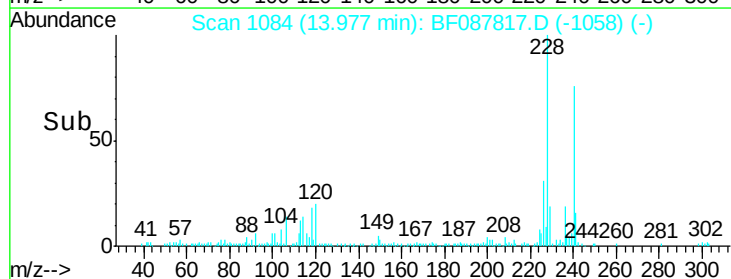
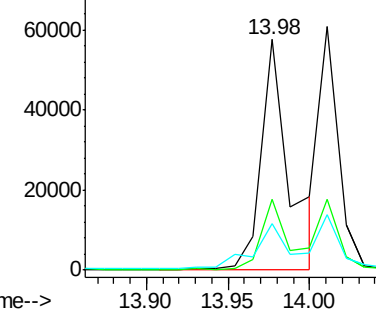
229 20.4 16.0 24.0

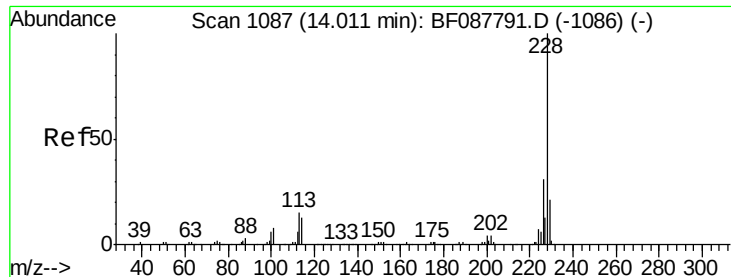


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

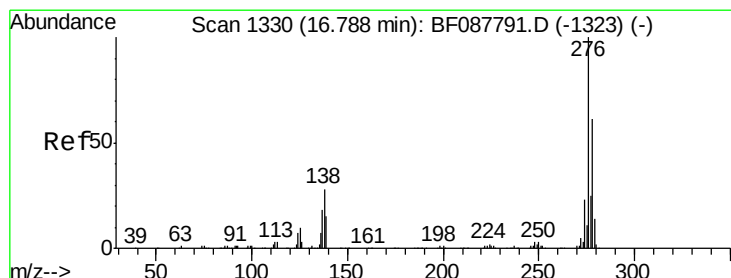
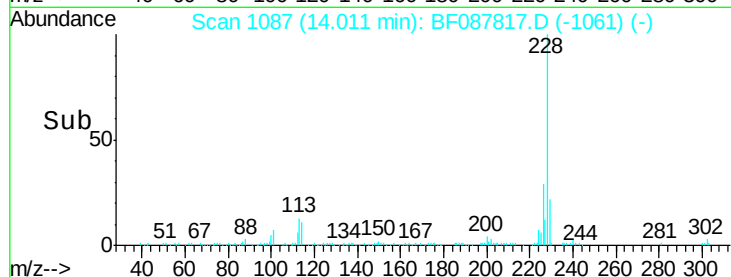
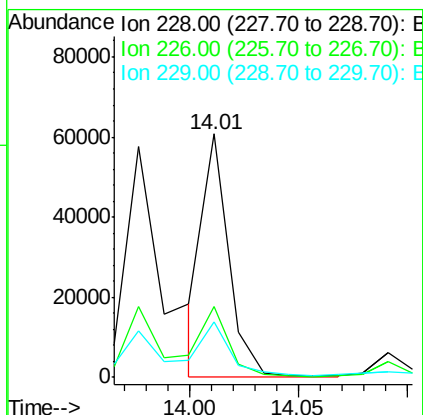
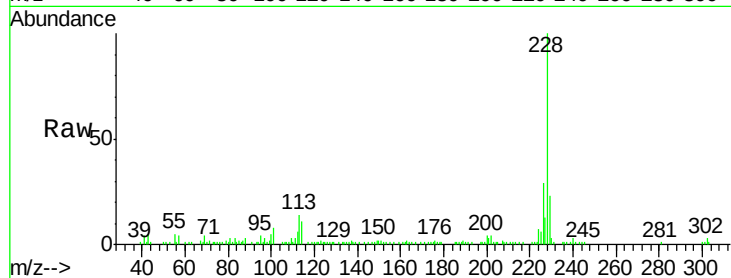




#82
Chrysene
Concen: 3.69 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

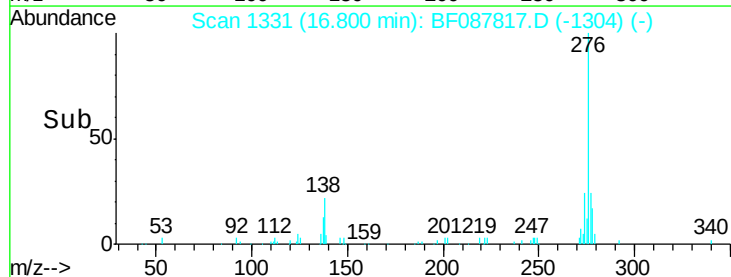
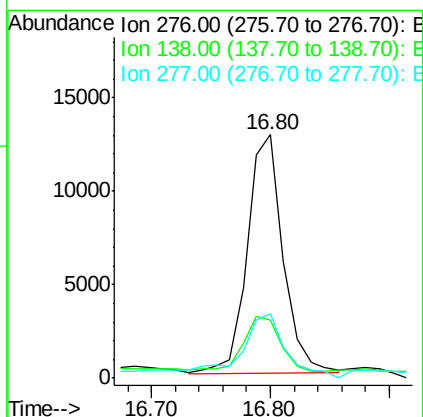
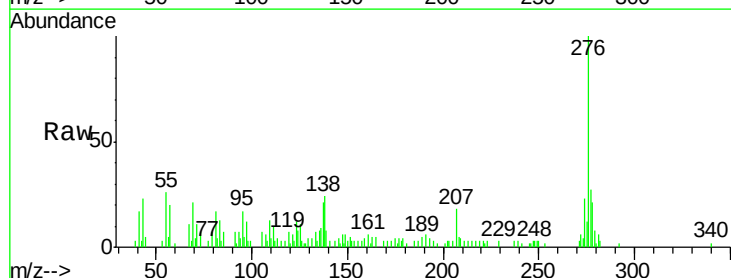
Instrument :
BNA_F
ClientSampled :
SS-18

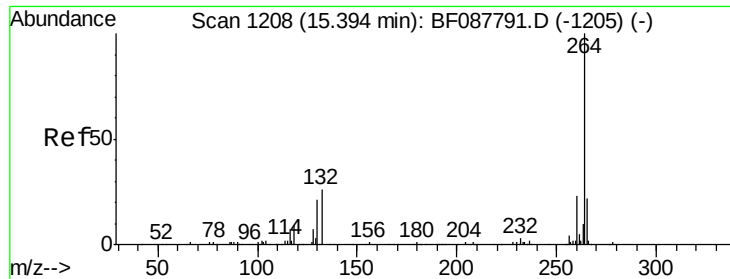
Tgt Ion: 228 Resp: 50156
Ion Ratio Lower Upper
228 100
226 29.2 25.4 38.2
229 22.5 16.3 24.5



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.11 ng
RT: 16.80 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Tgt Ion: 276 Resp: 26651
Ion Ratio Lower Upper
276 100
138 26.8 0.0 0.0#
277 38.7 0.0 0.0#

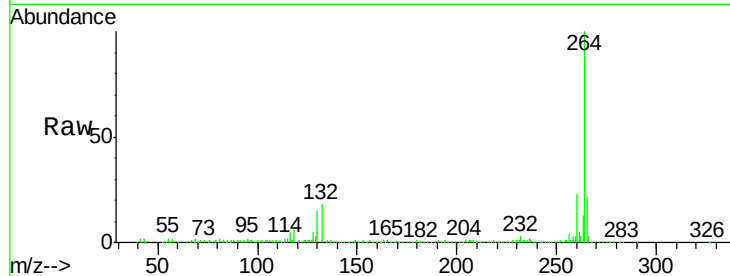




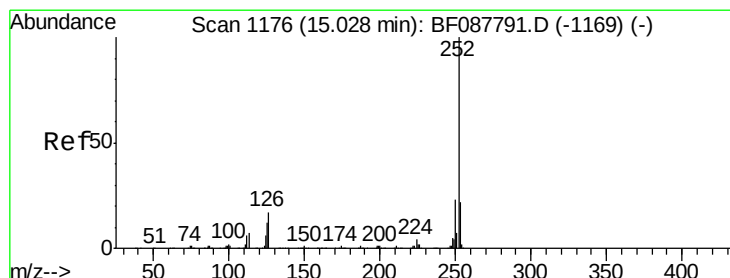
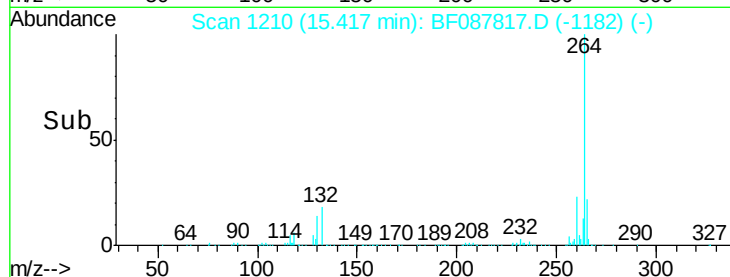
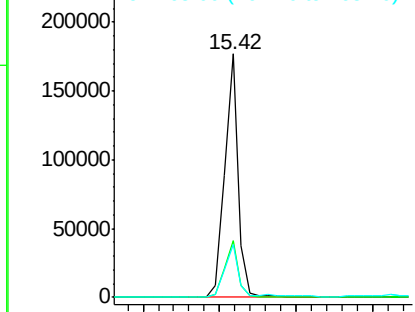
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Instrument :
BNA_F
ClientSampleId :
SS-18

Tgt Ion:264 Resp: 220802
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.7 16.9 25.3

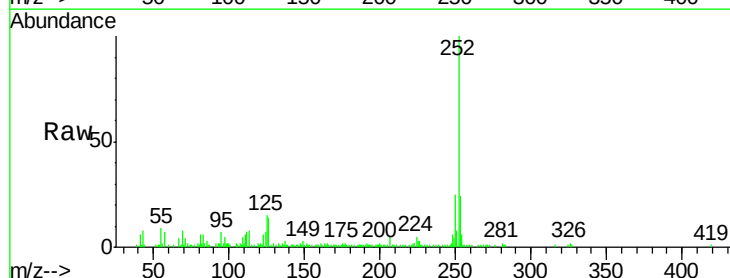


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

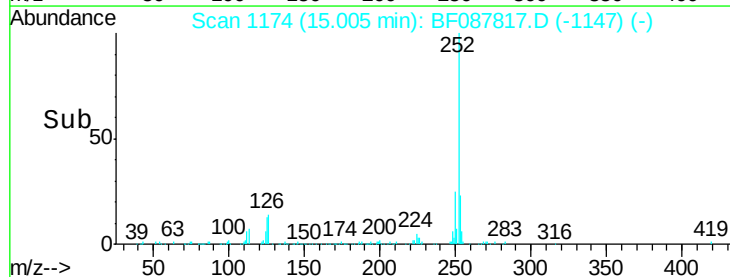
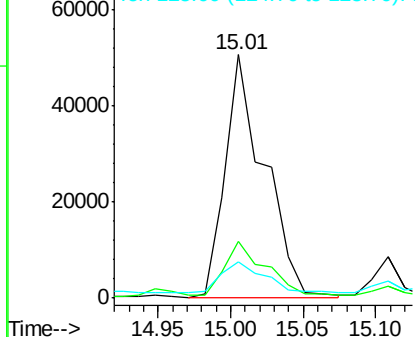


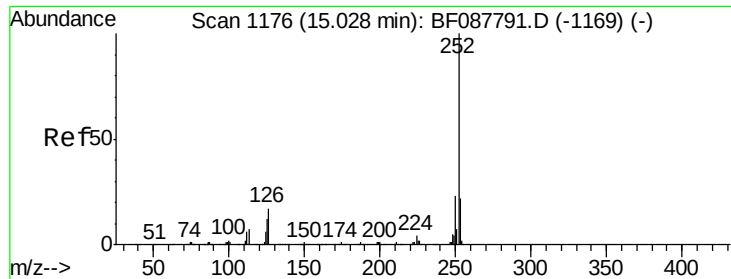
#87
Benzo(b)fluoranthene
Concen: 6.20 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Tgt Ion:252 Resp: 95464
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 14.9 7.1 10.7#



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

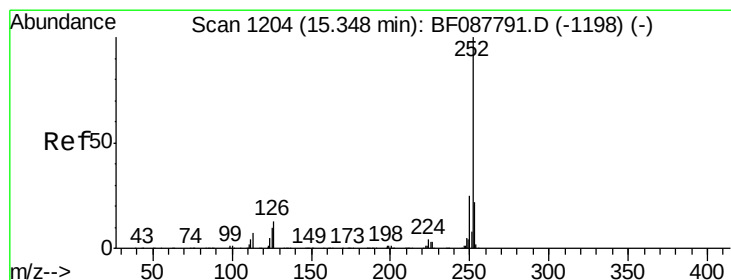
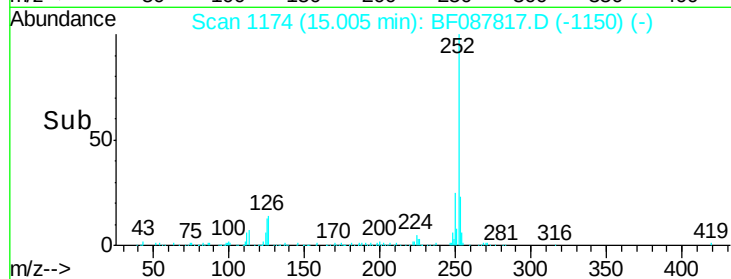
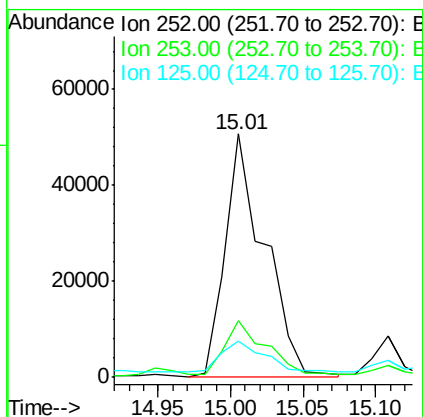
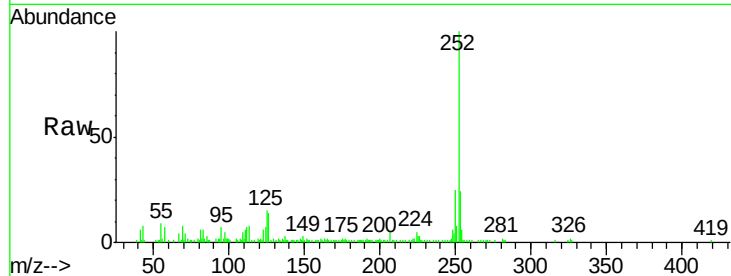




#88
Benzo(k)fluoranthene
Concen: 8.22 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

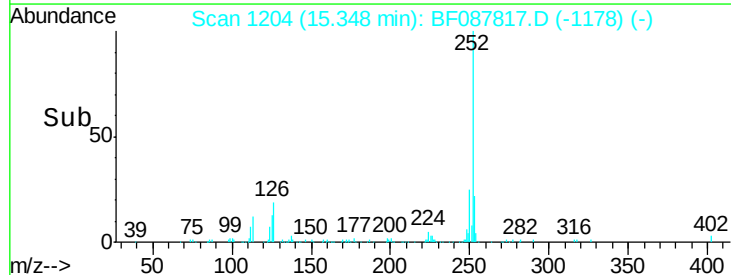
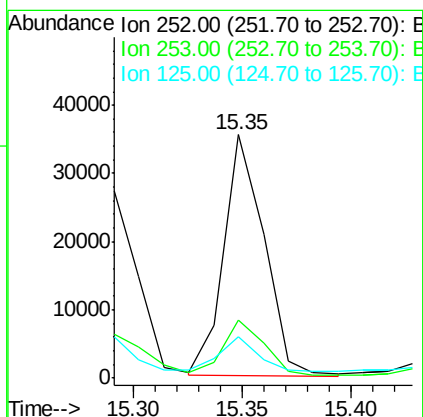
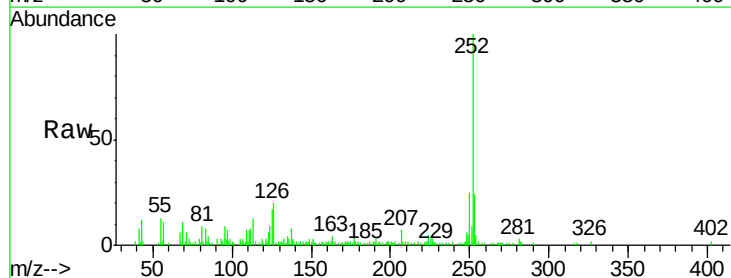
Instrument :
BNA_F
ClientSampleId :
SS-18

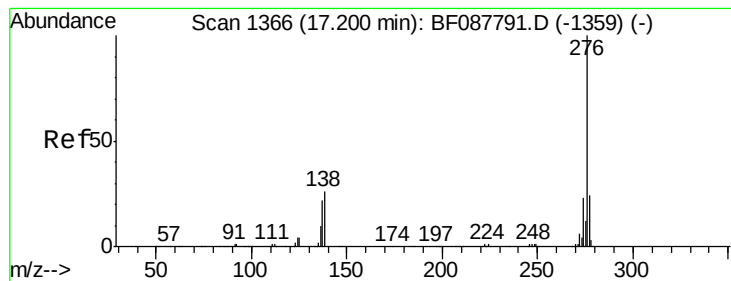
Tgt Ion: 252 Resp: 95464
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 14.9 11.2 16.8



#89
Benzo(a)pyrene
Concen: 3.65 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Tgt Ion: 252 Resp: 45406
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 17.0 12.5 18.7





#91

Benzo(g,h,i)perylene

Concen: 2.23 ng

RT: 17.21 min Scan# 1367

Delta R.T. 0.01 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

Instrument :

BNA_F

ClientSampleId :

SS-18

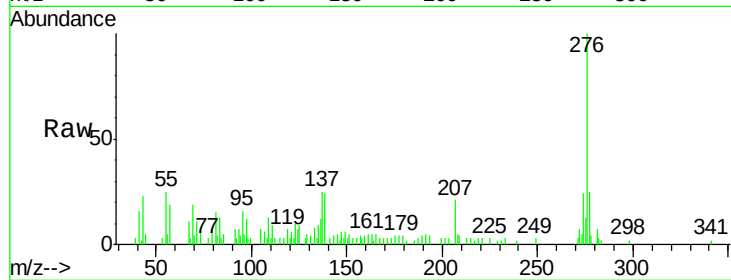
Tgt Ion: 276 Resp: 26475

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 24.1 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

