

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087816.D
 Acq On : 8 Jun 2016 18:20
 Operator : UM/SJ
 Sample : H3378-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-17

Quant Time: Jun 09 01:59:57 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	108922	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	468700	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	203733	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	310157	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	237599	20.00	ng	0.00
86) Perylene-d12	15.42	264	230669	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	337729	53.01	ng	-0.01
7) Phenol-d6	6.46	99	446643	57.84	ng	-0.02
23) Nitrobenzene-d5	7.38	82	222653	27.74	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	87334	40.60	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	414922	28.30	ng	-0.02
78) Terphenyl-d14	12.94	244	263071	25.20	ng	-0.01

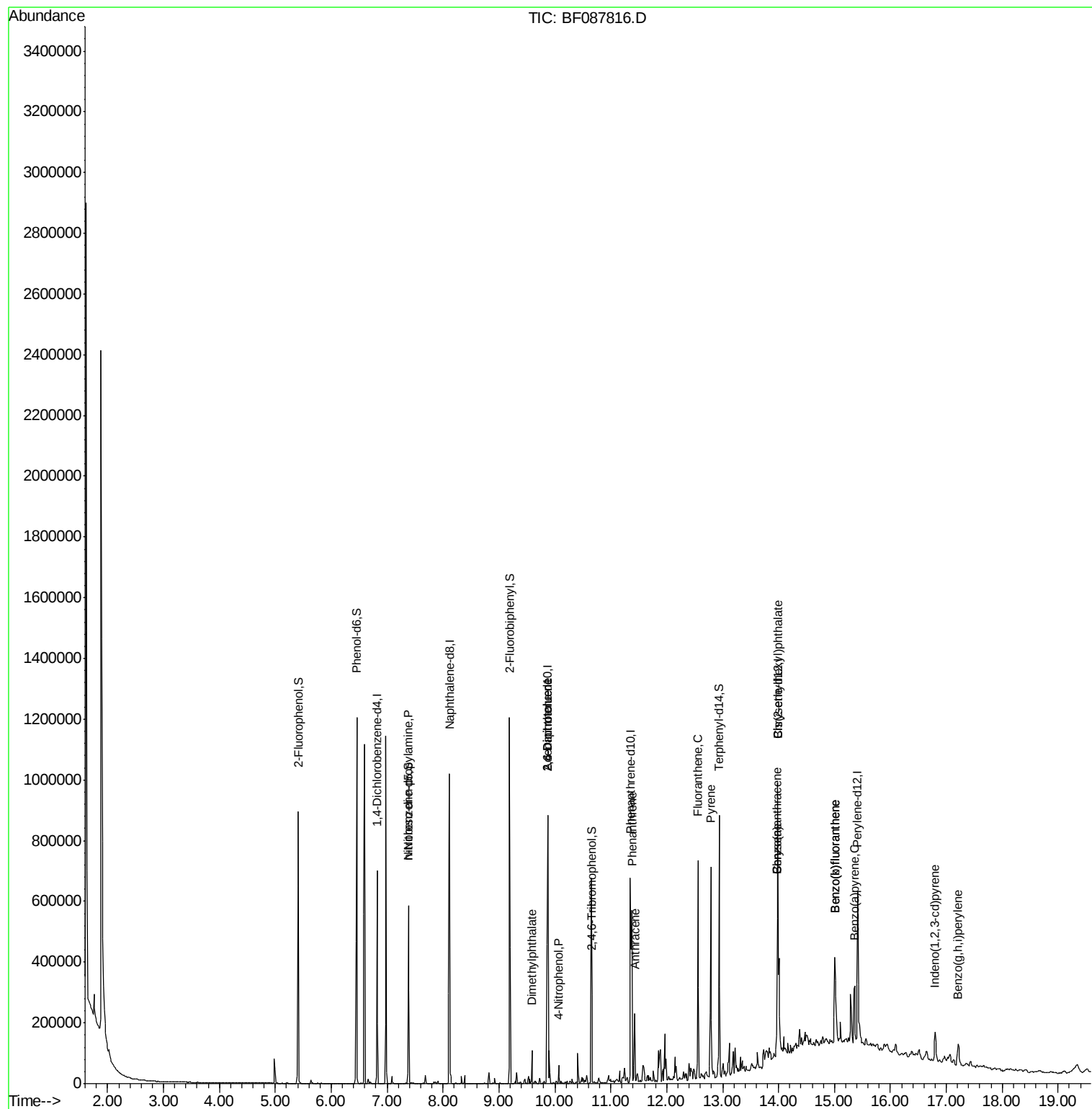
Target Compounds				Qvalue		
10) Phenol	6.47	94	2803	Below Cal		94
19) n-Nitroso-di-n-propylamine	7.38	70	28397	5.75 ng	#	75
45) 1,1'-Biphenyl	9.29	154	2824	Below Cal		95
49) Dimethylphthalate	9.59	163	41907	2.84 ng		98
50) 2,6-Dinitrotoluene	9.87	165	26467	7.83 ng	#	40
55) 4-Nitrophenol	10.07	139	8143	2.69 ng	#	5
56) 2,4-Dinitrotoluene	9.87	165	26467	6.09 ng	#	38
57) Fluorene	10.41	166	27782	Below Cal		97
70) Phenanthrene	11.38	178	332926	20.46 ng		98
71) Anthracene	11.43	178	88547	5.39 ng		97
74) Fluoranthene	12.56	202	316922	18.45 ng		98
77) Pyrene	12.79	202	287737	16.32 ng		99
80) Benzo(a)anthracene	13.98	228	168785	12.47 ng		100
82) Chrysene	13.98	228	168785	13.25 ng		96
83) Bis(2-ethylhexyl)phthalate	13.99	149	21222	2.24 ng	#	99
85) Indeno(1,2,3-cd)pyrene	16.80	276	60693	5.13 ng	#	100
87) Benzo(b)fluoranthene	15.01	252	213402	13.27 ng	#	94
88) Benzo(k)fluoranthene	15.01	252	213402	17.60 ng		100
89) Benzo(a)pyrene	15.36	252	116692	8.97 ng	#	95
91) Benzo(g,h,i)perylene	17.21	276	58910	4.74 ng		99

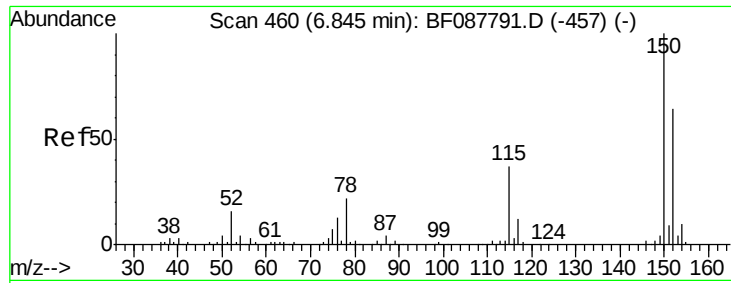
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087816.D

Acq: 8 Jun 2016 18:20

Instrument :

BNA_F

ClientSampled :

SS-17

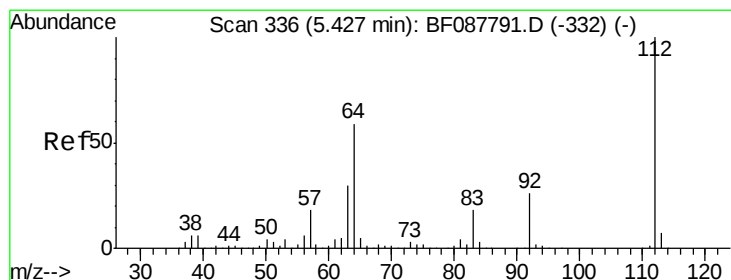
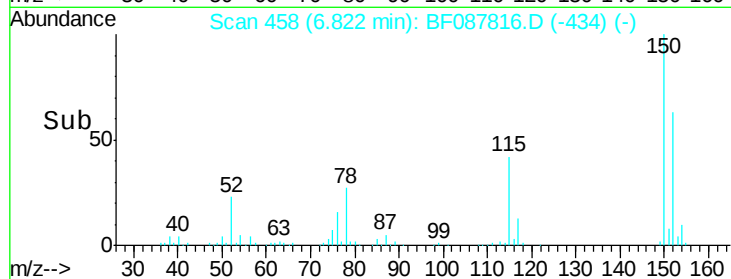
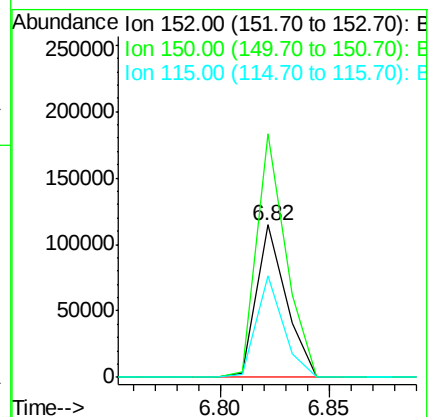
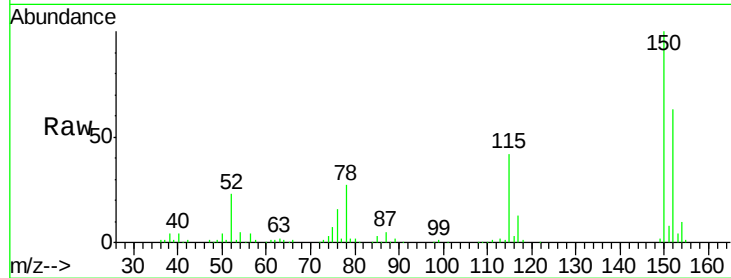
Tgt Ion:152 Resp: 108922

Ion Ratio Lower Upper

152 100

150 159.7 123.8 185.6

115 66.5 39.6 59.4#



#5

2-Fluorophenol

Concen: 53.01 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

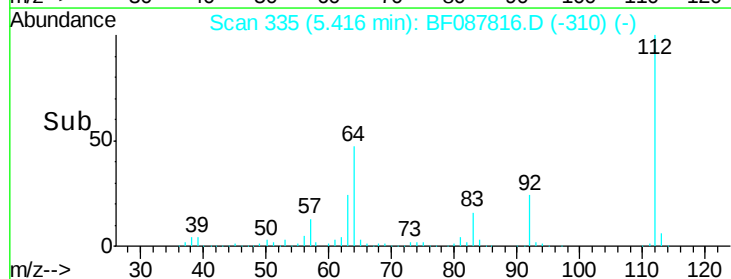
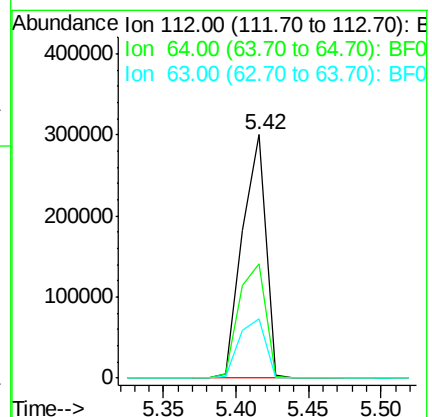
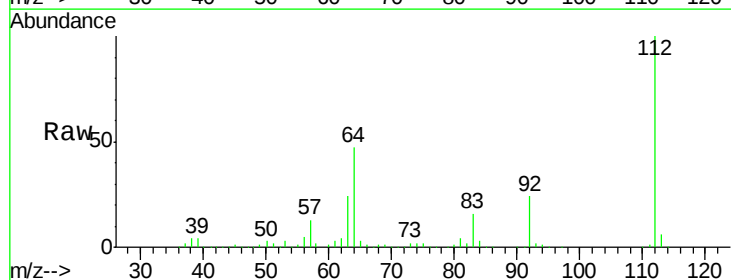
Tgt Ion:112 Resp: 337729

Ion Ratio Lower Upper

112 100

64 47.2 42.2 63.2

63 24.2 21.8 32.8





#7

Phenol-d6

Concen: 57.84 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Instrument :

BNA_F

ClientSampleId :

SS-17

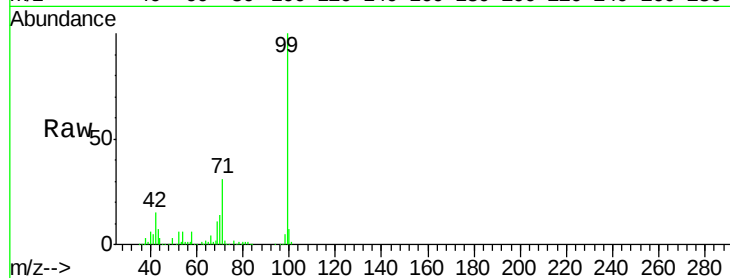
Tgt Ion: 99 Resp: 446643

Ion Ratio Lower Upper

99 100

42 14.9 12.2 18.2

71 31.3 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

600000

500000

400000

300000

200000

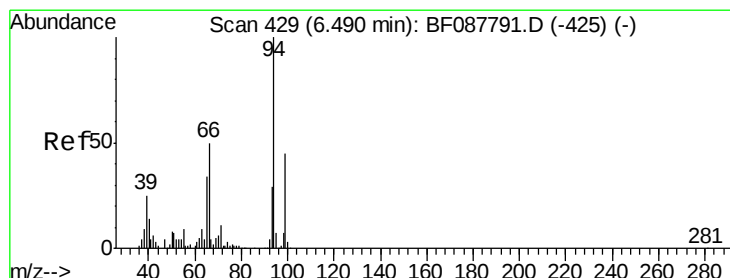
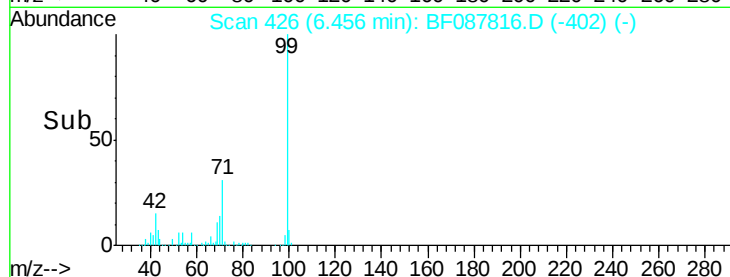
100000

0

6.46

6.35 6.40 6.45 6.50 6.55

Time-->



#10

Phenol

Concen: Below Cal

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

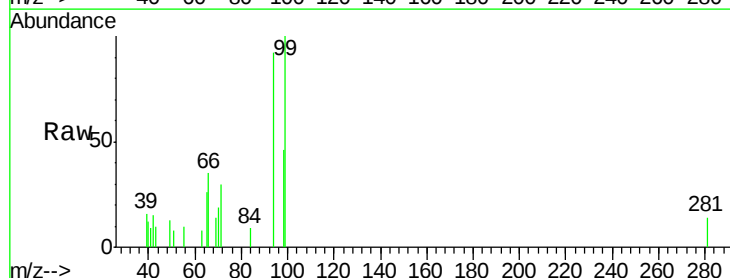
Tgt Ion: 94 Resp: 2803

Ion Ratio Lower Upper

94 100

65 27.9 5.9 45.9

66 38.4 14.0 54.0



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

25000

20000

15000

10000

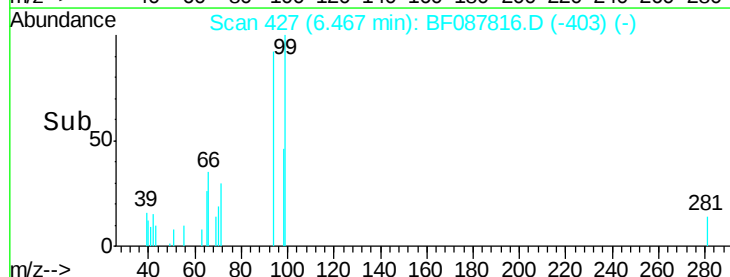
5000

0

6.47

6.45 6.50

Time-->

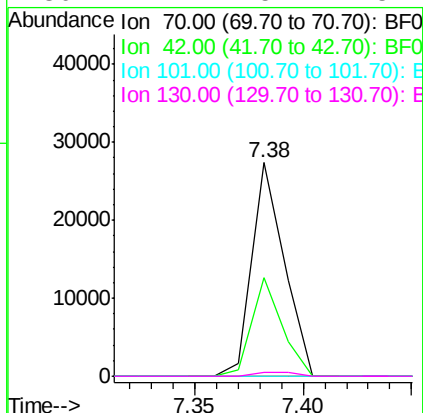
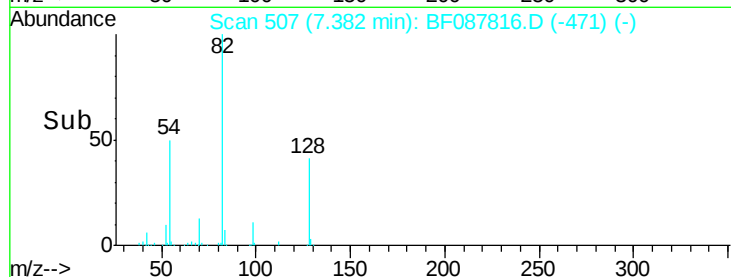
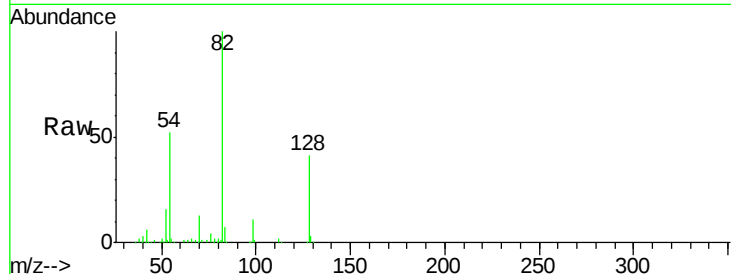




#19
n-Nitroso-di-n-propylamine
Concen: 5.75 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

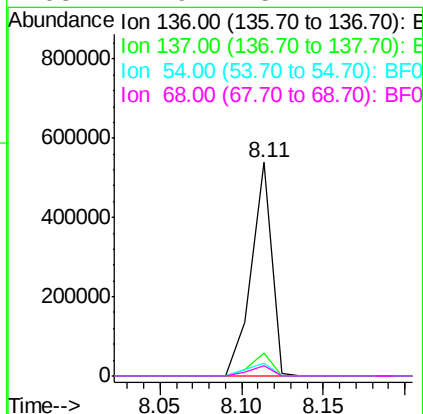
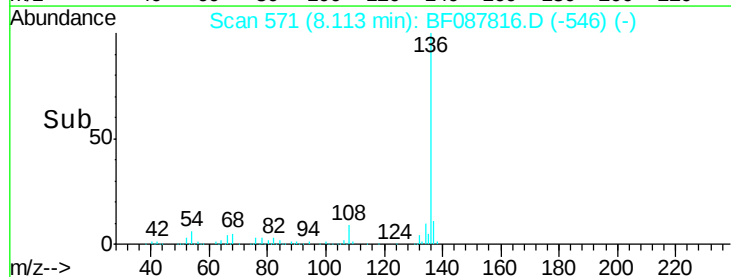
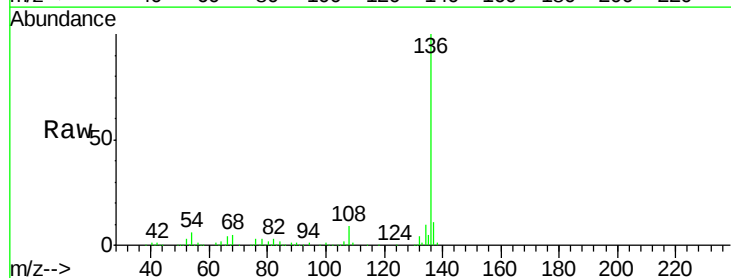
Instrument :
BNA_F
ClientSampleId :
SS-17

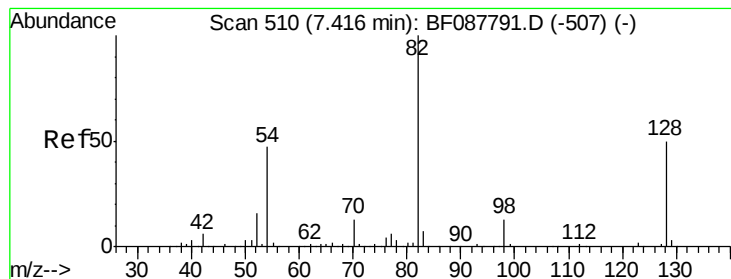
Tgt Ion:	70	Resp:	28397
Ion	Ratio	Lower	Upper
70	100		
42	46.3	49.6	74.4#
101	0.0	7.1	10.7#
130	2.1	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

Tgt Ion:	136	Resp:	468700
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.9	6.6	10.0#
68	4.9	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 27.74 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Instrument :

BNA_F

ClientSampleId :

SS-17

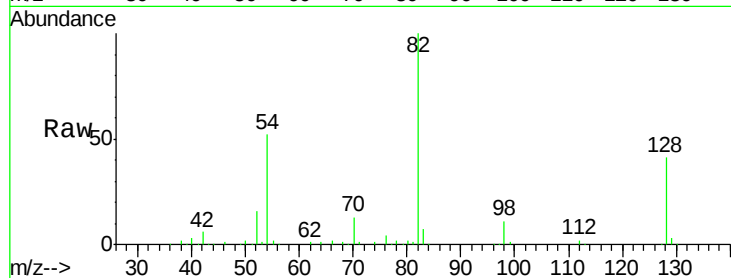
Tgt Ion: 82 Resp: 222653

Ion Ratio Lower Upper

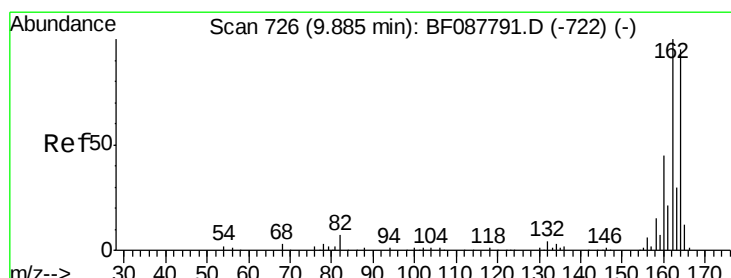
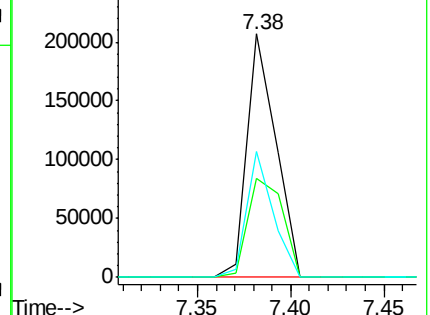
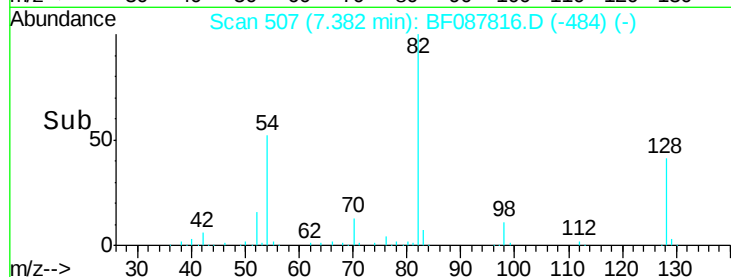
82 100

128 40.7 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: BF087816.D

Acq: 8 Jun 2016 18:20

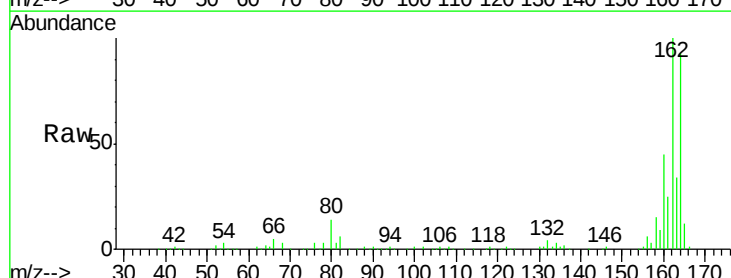
Tgt Ion: 164 Resp: 203733

Ion Ratio Lower Upper

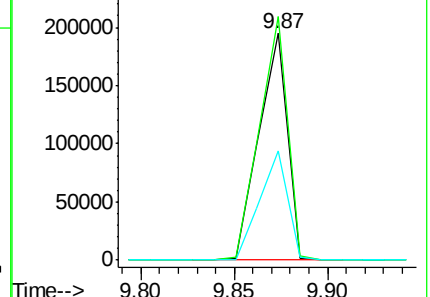
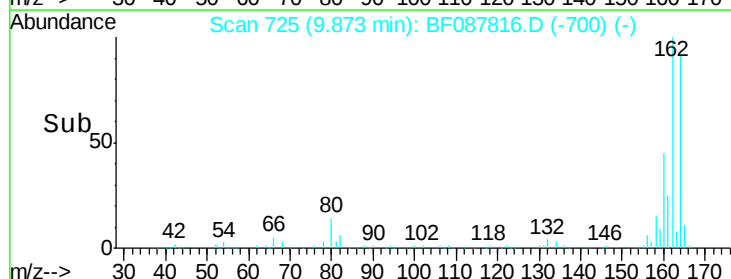
164 100

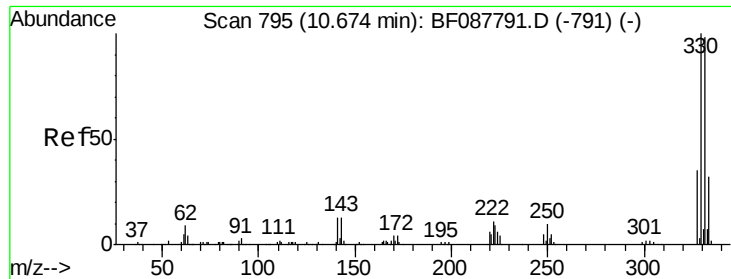
162 107.4 85.4 128.2

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

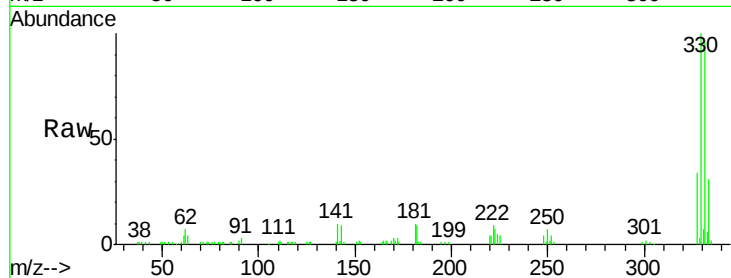




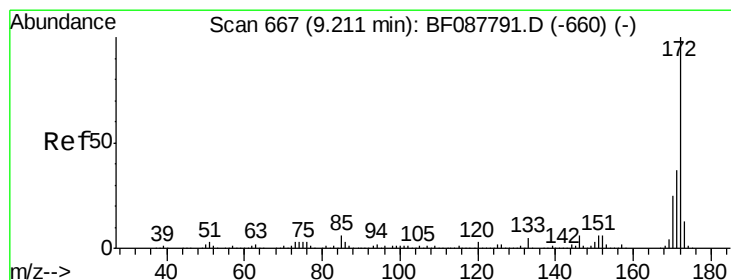
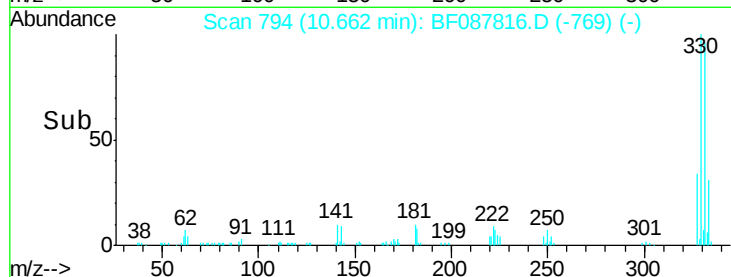
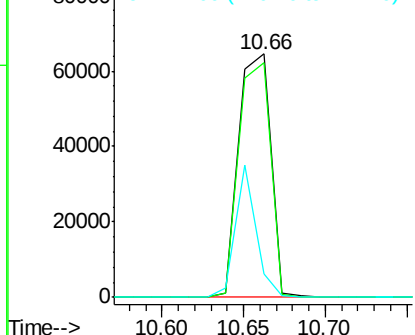
#41
 2,4,6-Tribromophenol
 Concen: 40.60 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-17

Tgt Ion:330 Resp: 87334
 Ion Ratio Lower Upper
 330 100
 332 96.1 0.0 0.0#
 141 34.6 0.0 0.0#

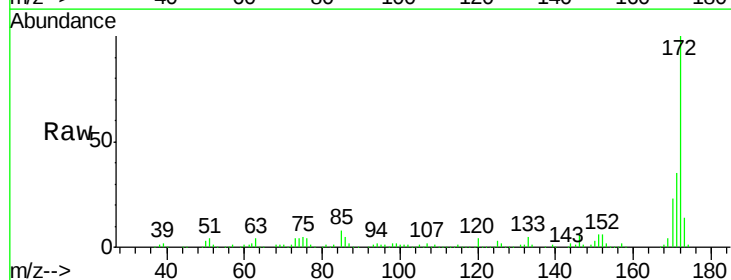


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

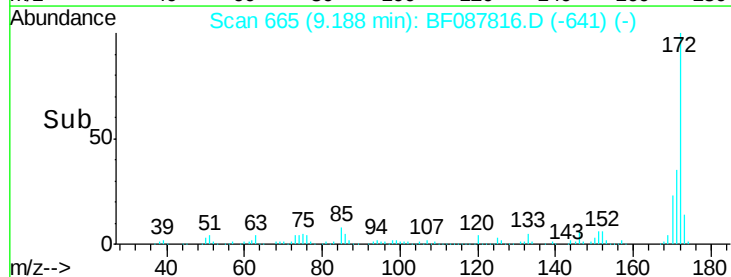
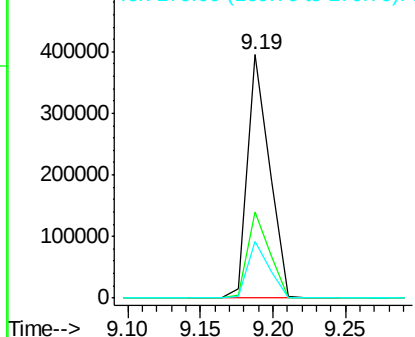


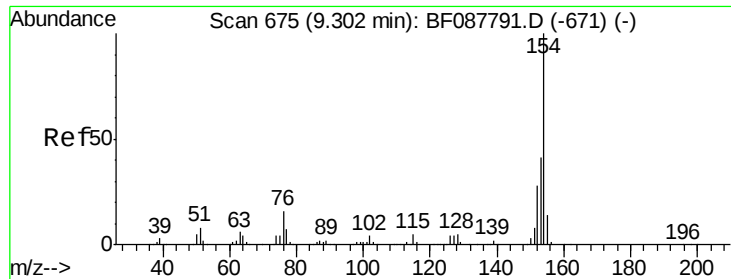
#44
 2-Fluorobiphenyl
 Concen: 28.30 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Tgt Ion:172 Resp: 414922
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.3 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

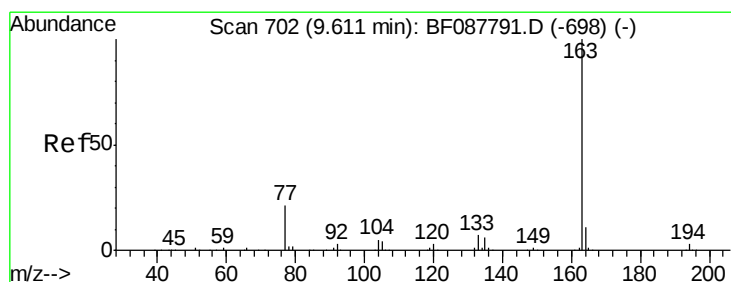
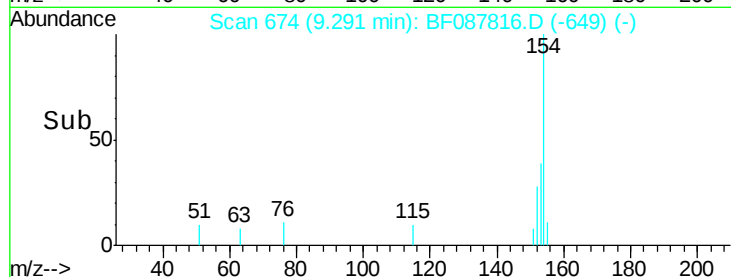
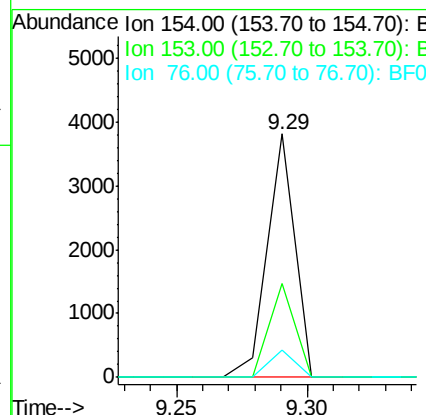
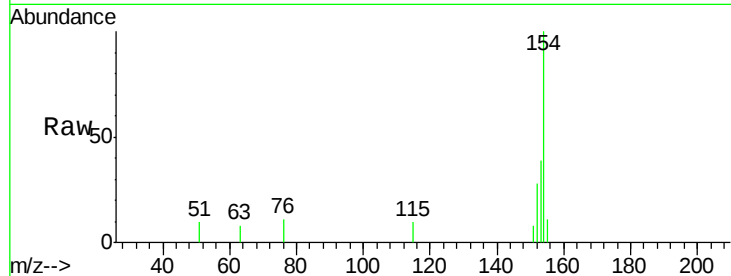




#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.29 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

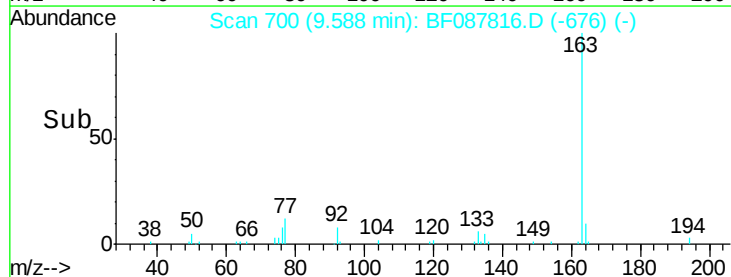
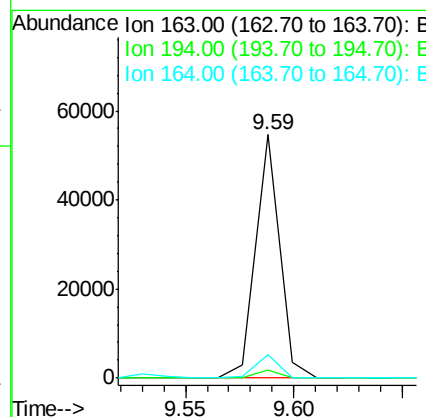
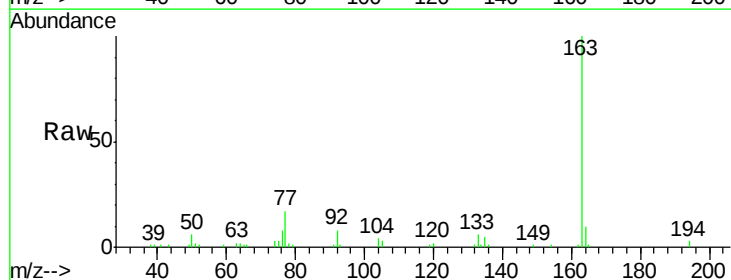
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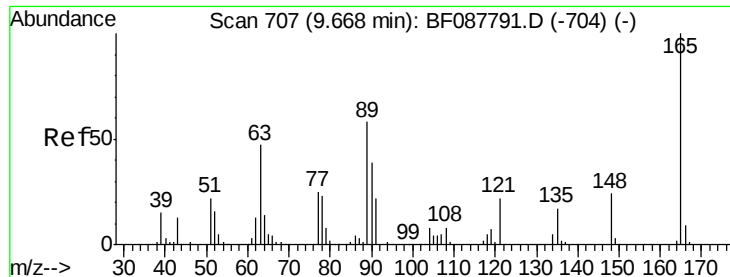
Tgt Ion:154 Resp: 2824
 Ion Ratio Lower Upper
 154 100
 153 38.6 20.6 60.6
 76 11.1 0.0 35.1



#49
 Dimethylphthalate
 Concen: 2.84 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Tgt Ion:163 Resp: 41907
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.8 4.2
 164 9.7 8.3 12.5

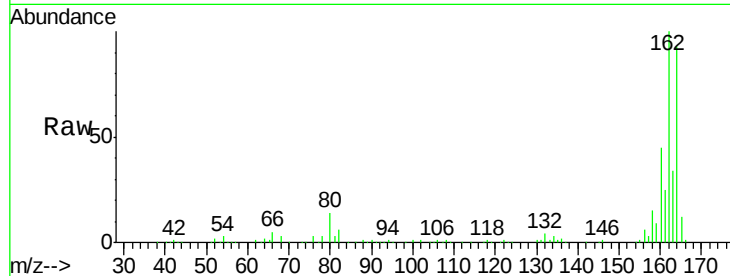




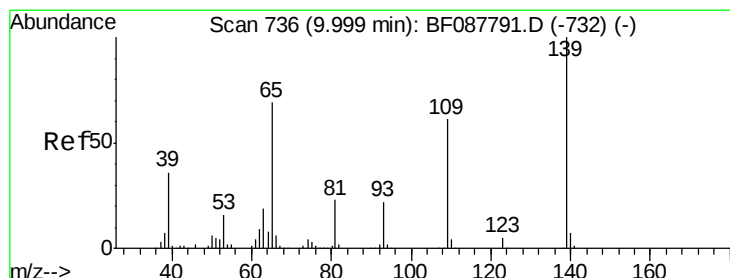
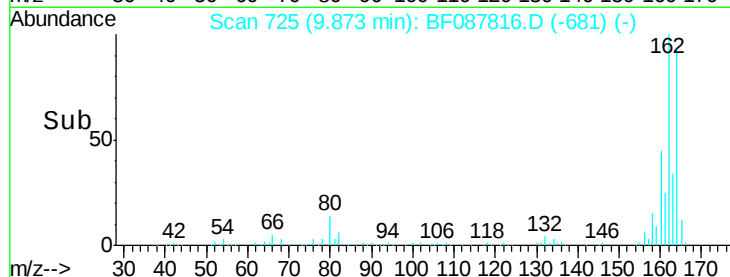
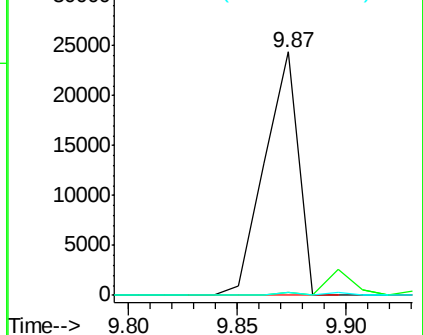
#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.87 min Scan# 725
 Delta R.T. 0.21 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-17

Tgt Ion:165 Resp: 26467
 Ion Ratio Lower Upper
 165 100
 63 1.5 28.1 42.1#
 89 1.4 32.2 48.2#

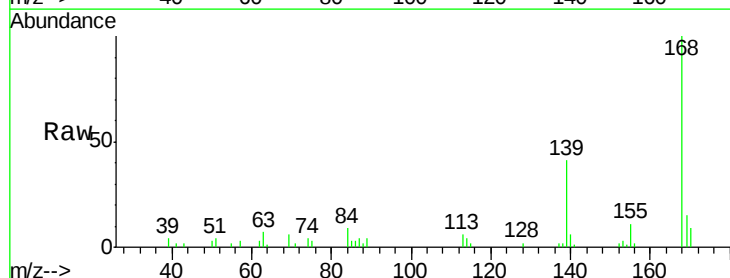


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

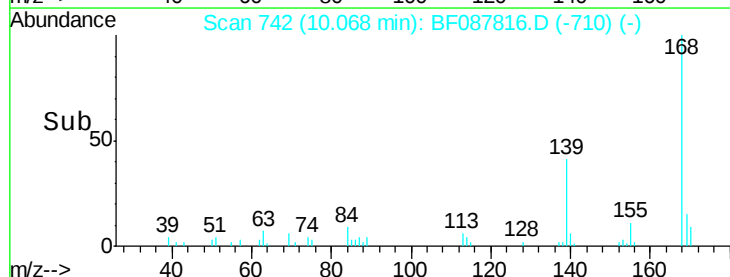
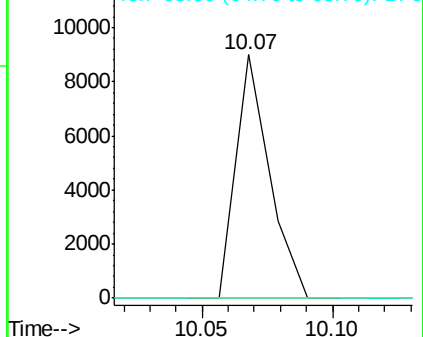


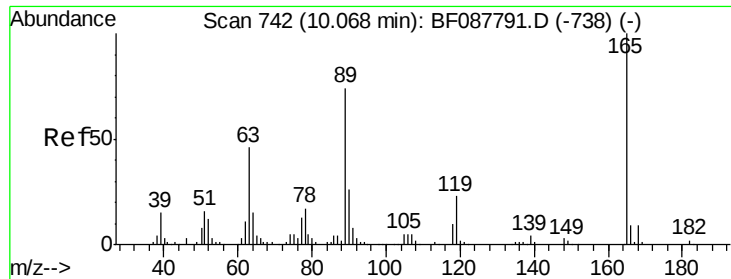
#55
 4-Nitrophenol
 Concen: 2.69 ng
 RT: 10.07 min Scan# 742
 Delta R.T. 0.07 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Tgt Ion:139 Resp: 8143
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.9 88.9#
 65 0.0 84.9 124.9#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

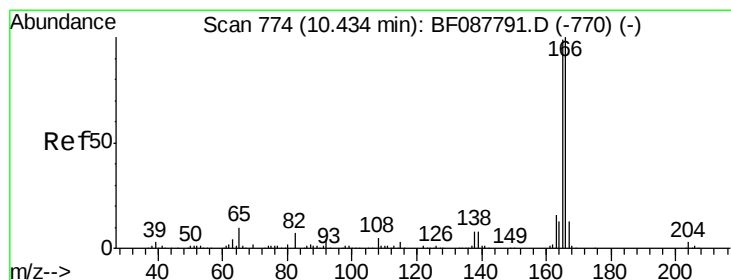
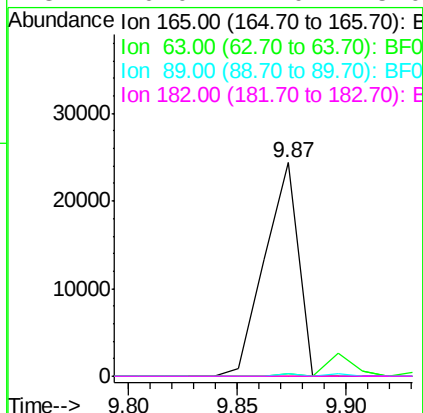
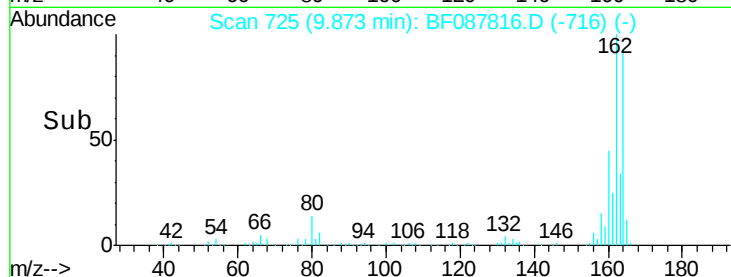
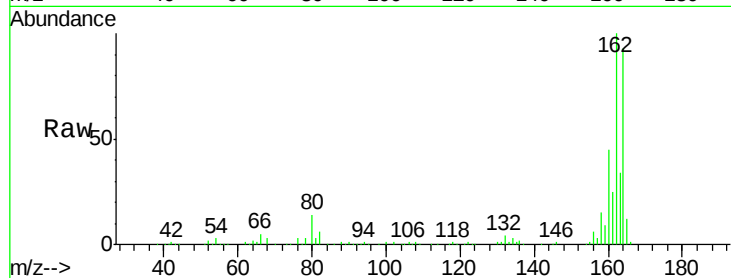




#56
2,4-Dinitrotoluene
Concen: 6.09 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.19 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

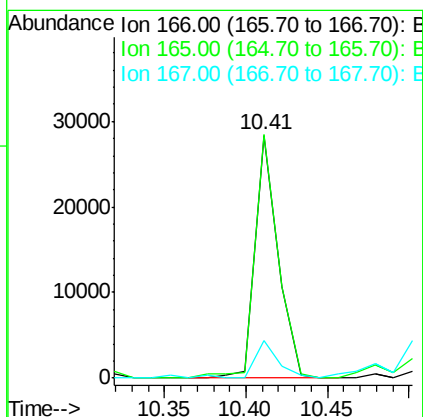
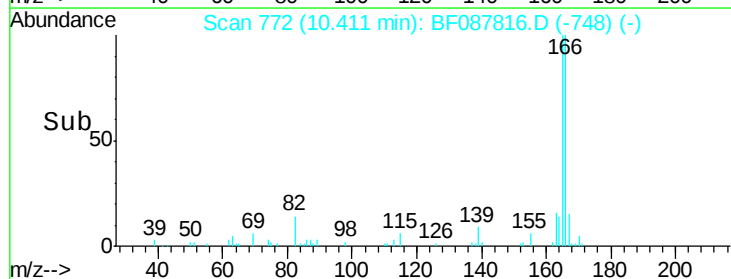
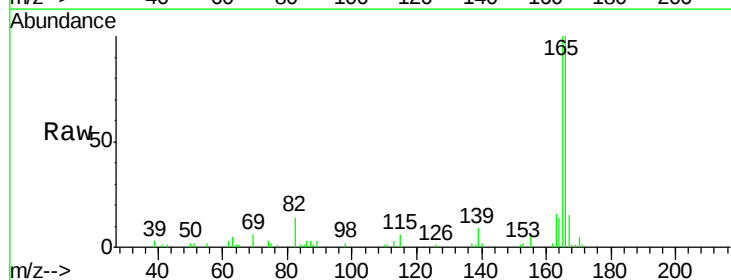
Instrument :
BNA_F
ClientSampleId :
SS-17

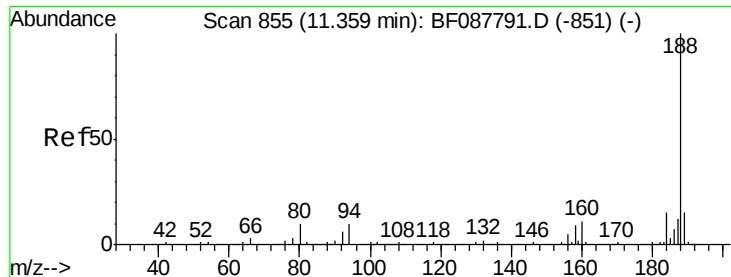
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.41 min Scan# 772
Delta R.T. -0.02 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	77.8	116.8
167	15.2	11.2	16.8

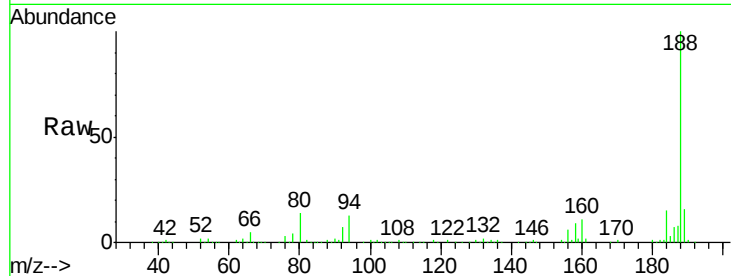




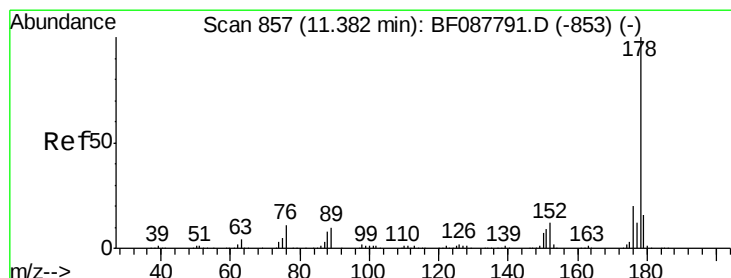
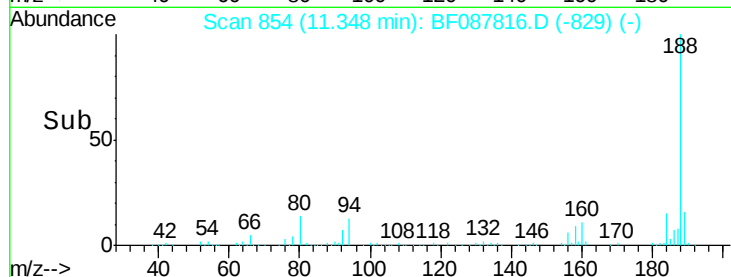
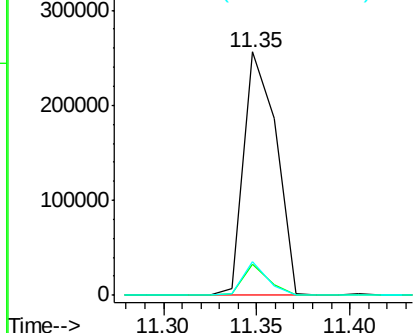
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-17

Tgt Ion:188 Resp: 310157
 Ion Ratio Lower Upper
 188 100
 94 12.7 9.0 13.6
 80 13.7 10.0 15.0

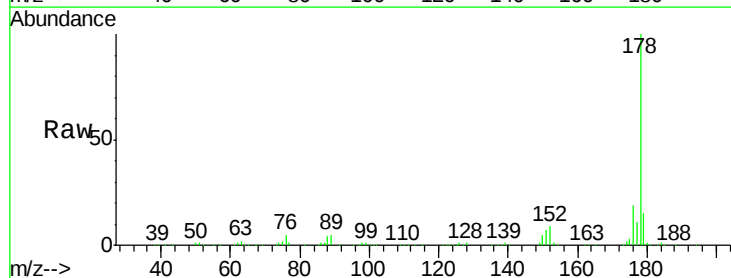


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

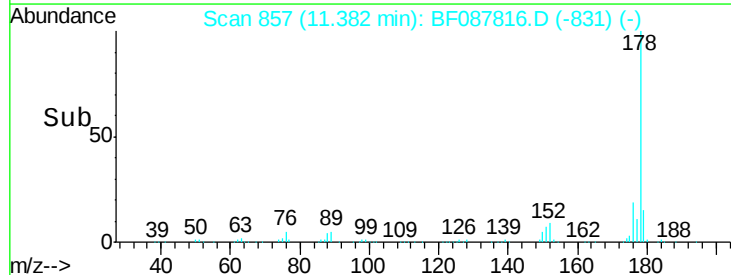
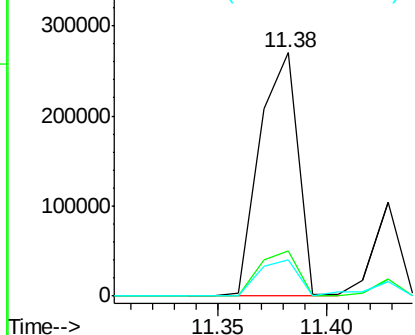


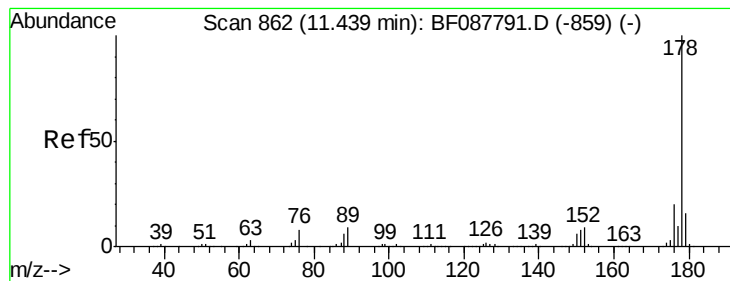
#70
 Phenanthrene
 Concen: 20.46 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Tgt Ion:178 Resp: 332926
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.6
 179 14.9 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





#71

Anthracene

Concen: 5.39 ng

RT: 11.43 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Instrument :

BNA_F

ClientSampleId :

SS-17

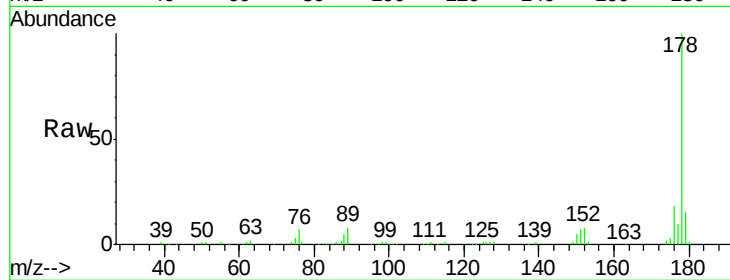
Tgt Ion:178 Resp: 88547

Ion Ratio Lower Upper

178 100

176 18.2 15.6 23.4

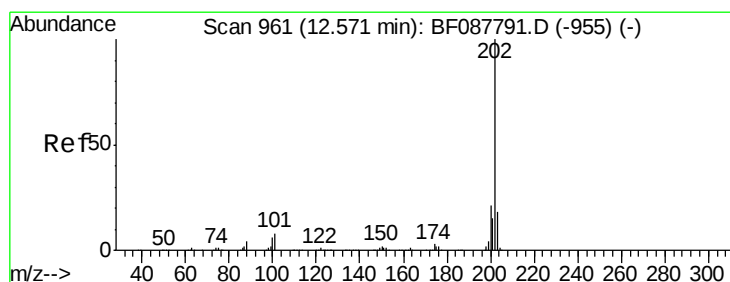
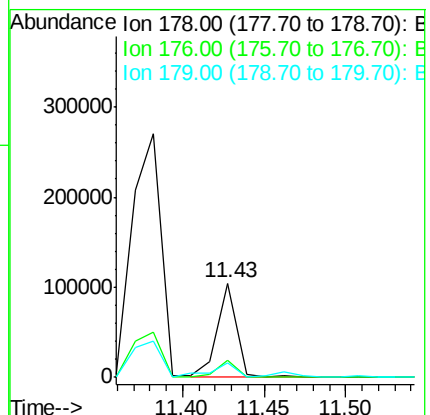
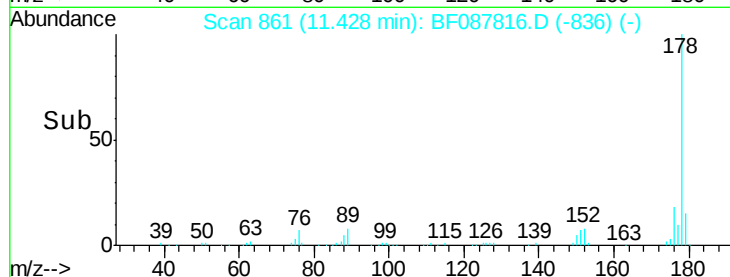
179 15.1 12.8 19.2



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: 18.45 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

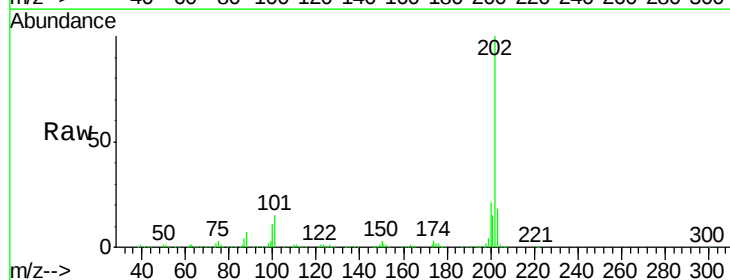
Tgt Ion:202 Resp: 316922

Ion Ratio Lower Upper

202 100

101 14.8 0.0 33.1

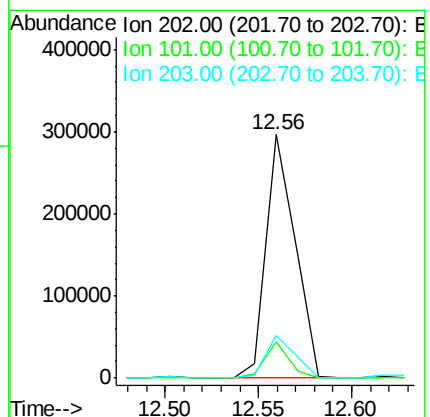
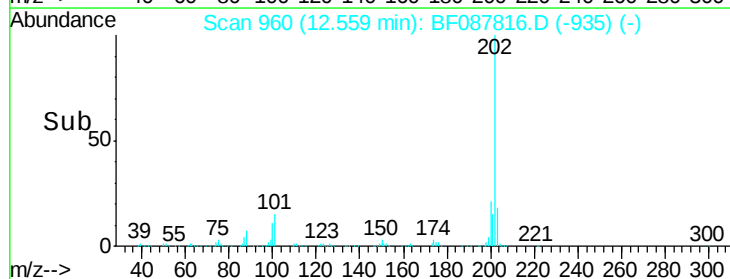
203 17.7 0.0 38.1

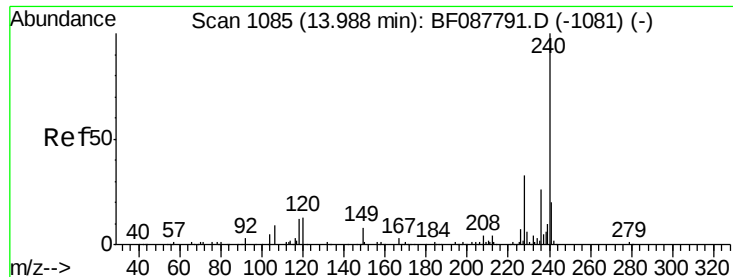


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF087816.D

Acq: 8 Jun 2016 18:20

Instrument :

BNA_F

ClientSampleId :

SS-17

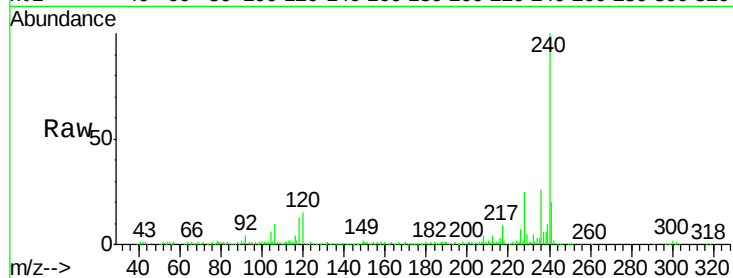
Tgt Ion:240 Resp: 237599

Ion Ratio Lower Upper

240 100

120 14.6 6.8 10.2#

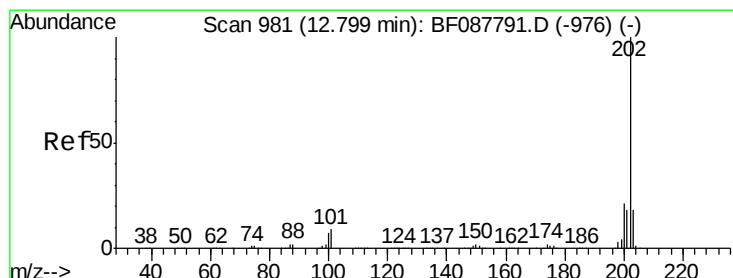
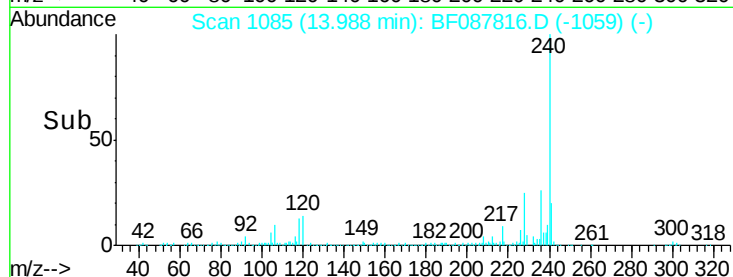
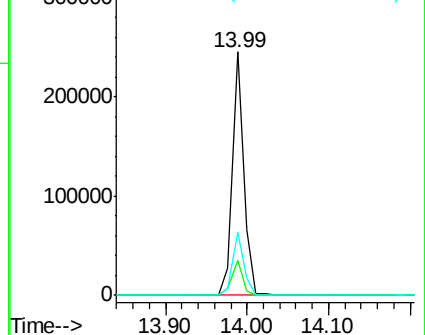
236 26.0 20.2 30.2



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: 16.32 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

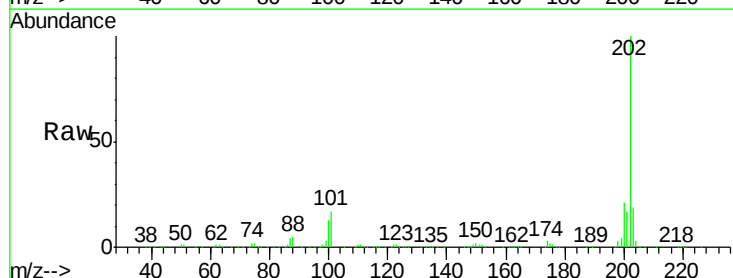
Tgt Ion:202 Resp: 287737

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

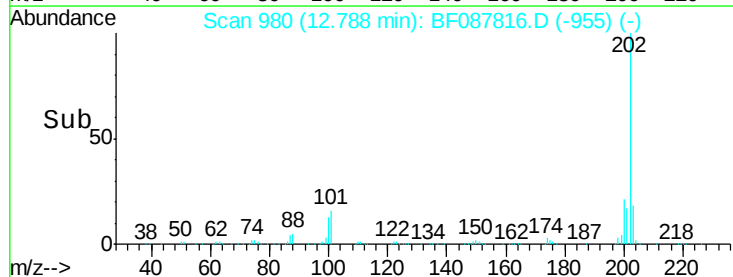
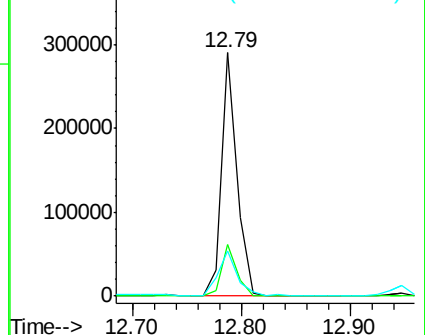
203 18.5 14.5 21.7

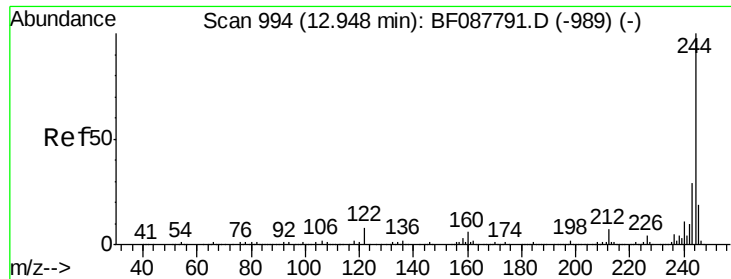


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

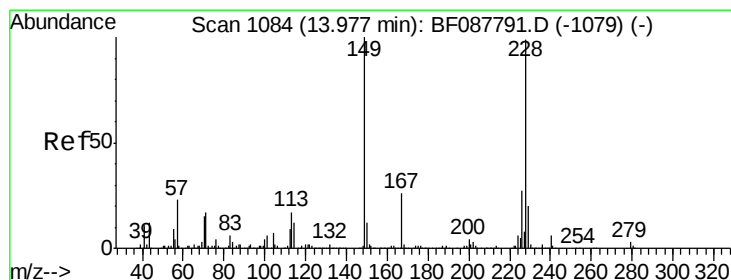
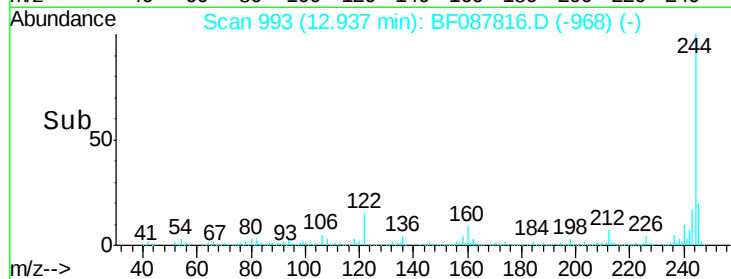
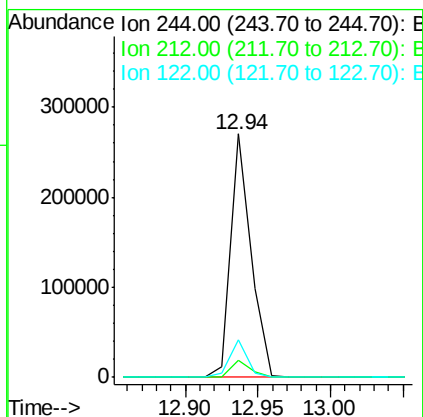
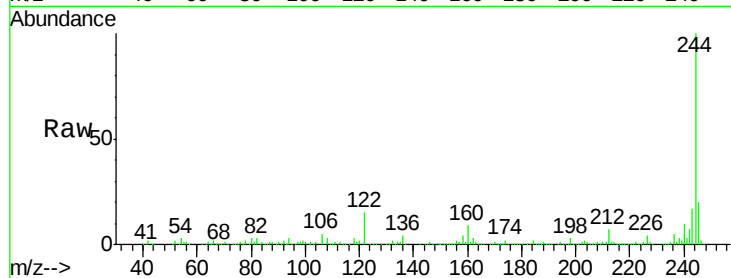




#78
 Terphenyl-d14
 Concen: 25.20 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

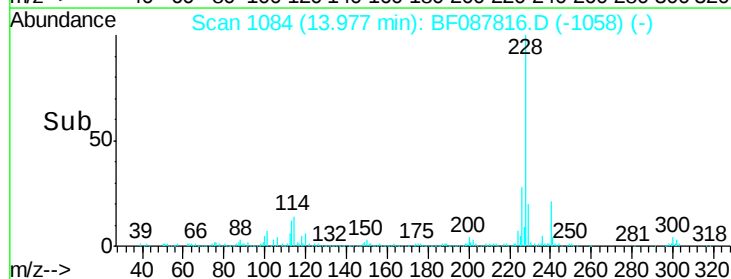
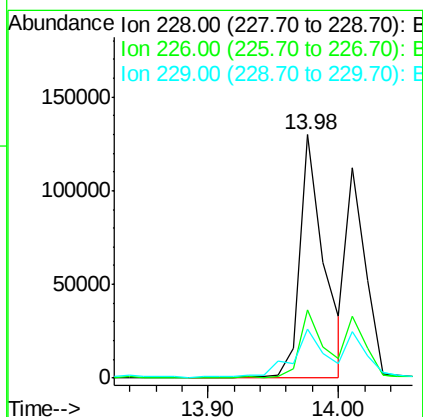
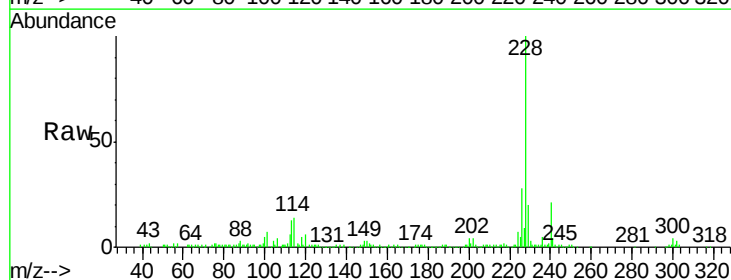
Instrument :
 BNA_F
 ClientSampleId :
 SS-17

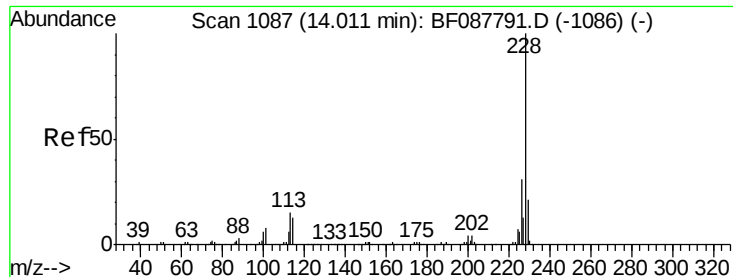
Tgt Ion:244 Resp: 263071
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 15.5 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 12.47 ng
 RT: 13.98 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Tgt Ion:228 Resp: 168785
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.3 33.5
 229 20.2 16.0 24.0





#82

Chrysene

Concen: 13.25 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Instrument :

BNA_F

ClientSampleId :

SS-17

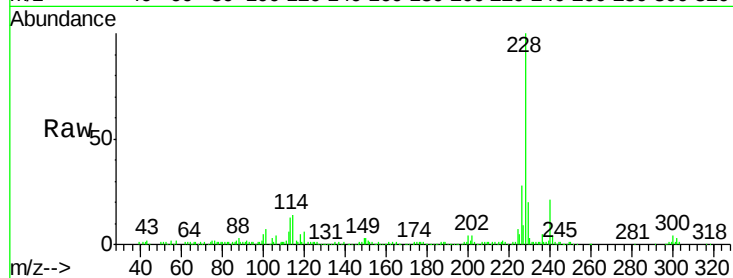
Tgt Ion:228 Resp: 168785

Ion Ratio Lower Upper

228 100

226 28.1 25.4 38.2

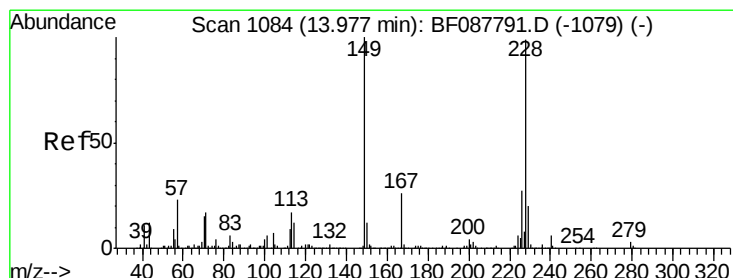
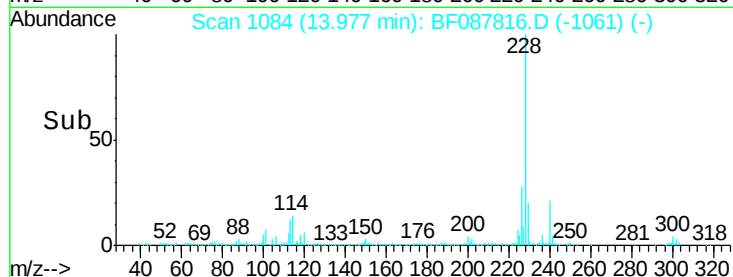
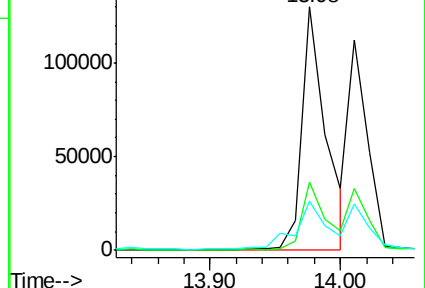
229 20.2 16.3 24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.24 ng

RT: 13.99 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

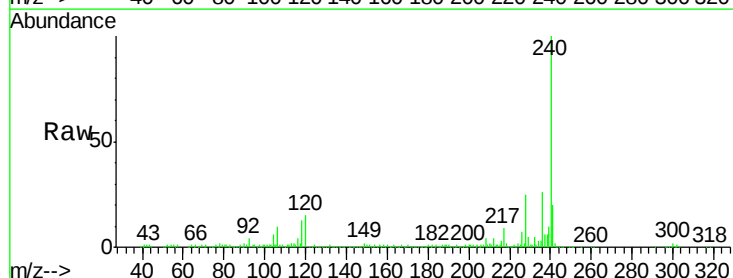
Tgt Ion:149 Resp: 21222

Ion Ratio Lower Upper

149 100

167 25.7 20.5 30.7

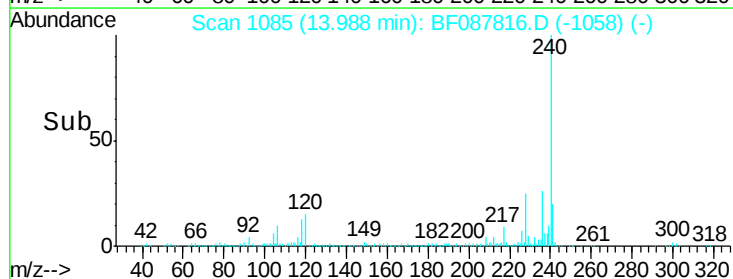
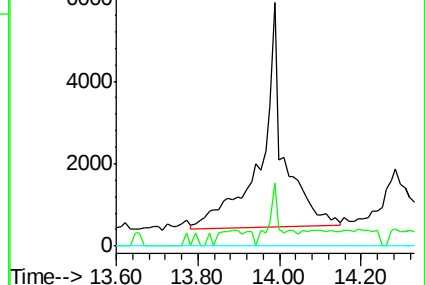
279 0.0 2.0 3.0#

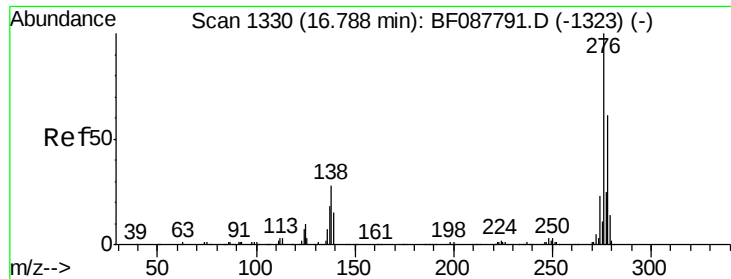


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

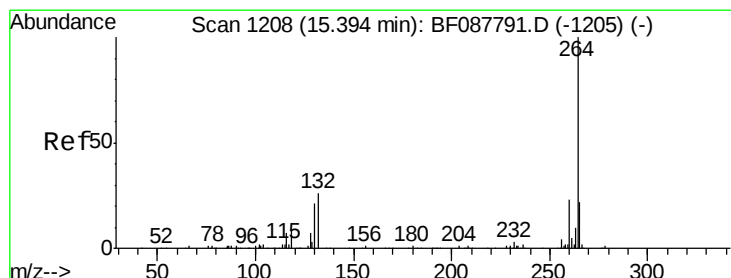
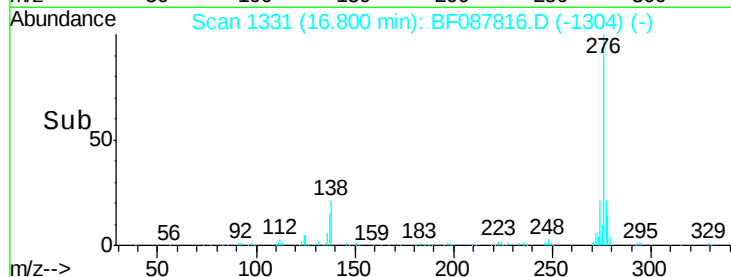
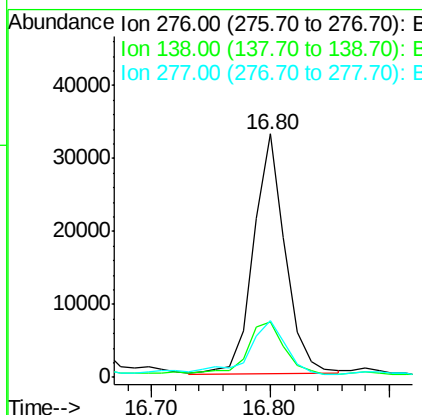
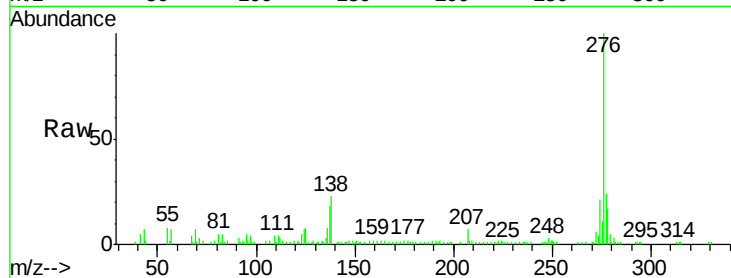




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.13 ng
 RT: 16.80 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

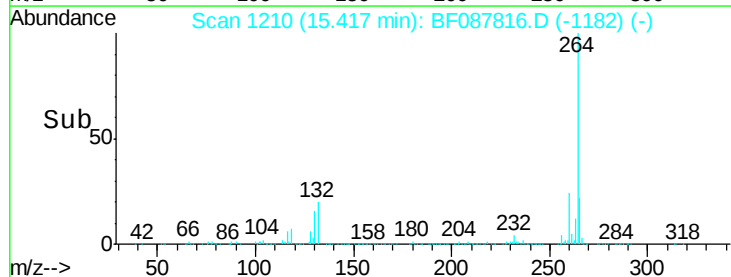
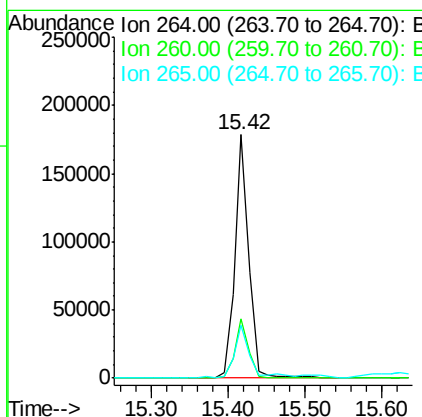
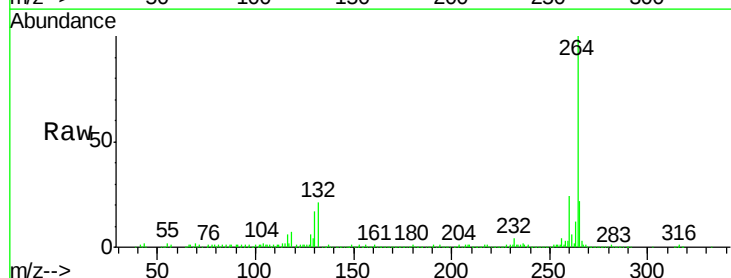
Instrument :
 BNA_F
 ClientSampleId :
 SS-17

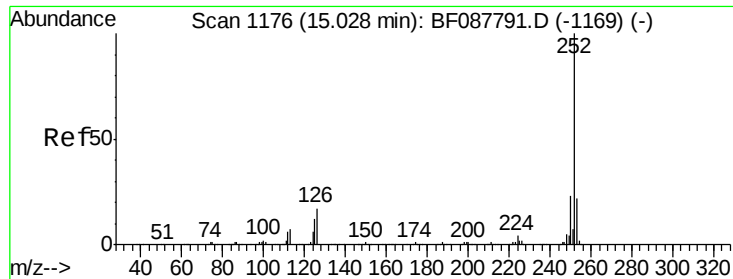
Tgt Ion:276 Resp: 60693
 Ion Ratio Lower Upper
 276 100
 138 26.4 0.0 0.0#
 277 28.7 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1210
 Delta R.T. 0.02 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Tgt Ion:264 Resp: 230669
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.9 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 13.27 ng

RT: 15.01 min Scan# 1174

Delta R.T. 0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

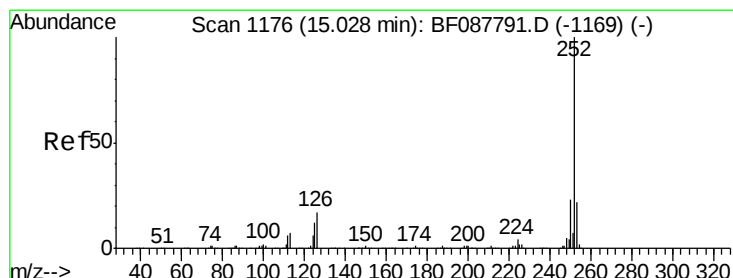
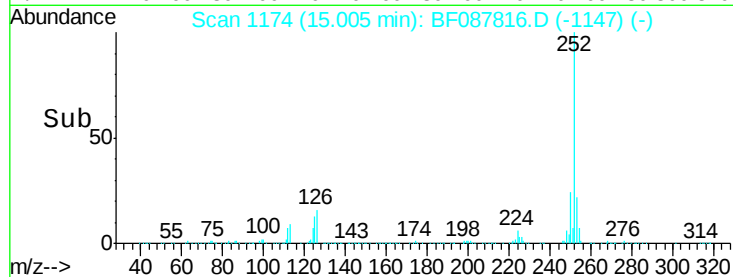
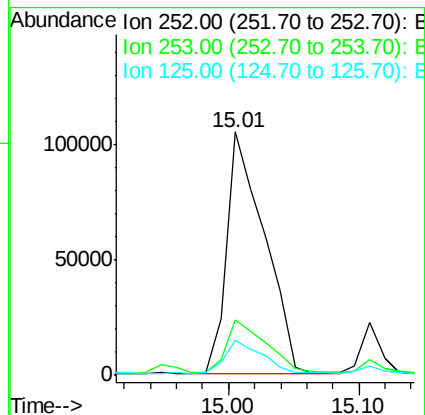
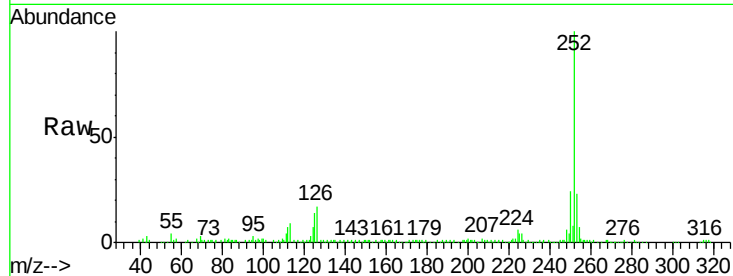
Instrument :

BNA_F

ClientSampleId :

SS-17

Tgt Ion:	252	Resp:	213402
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.2
125	14.3	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 17.60 ng

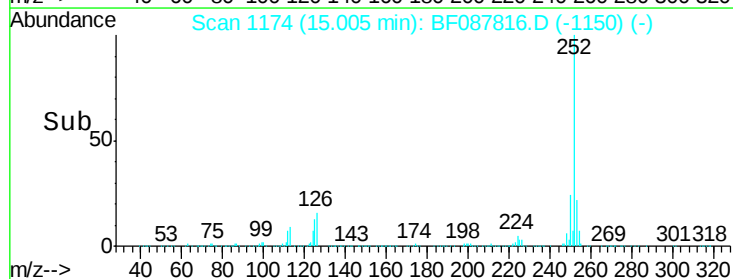
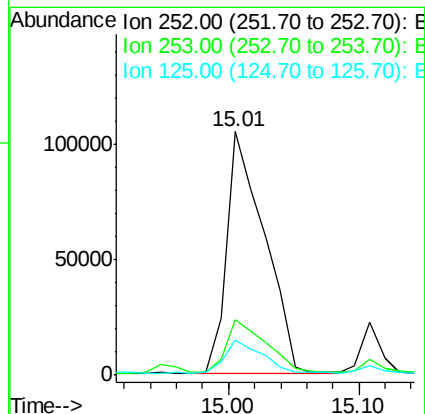
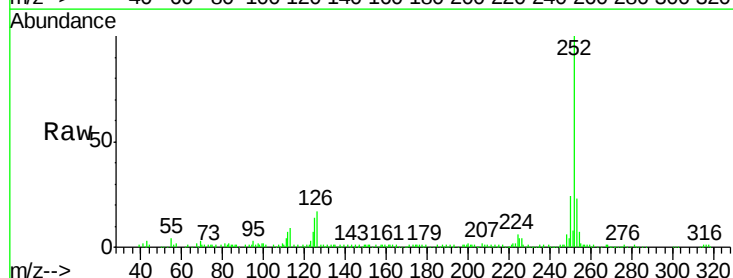
RT: 15.01 min Scan# 1174

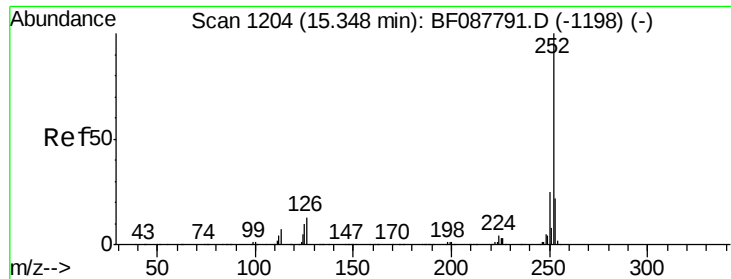
Delta R.T. -0.02 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Tgt Ion:	252	Resp:	213402
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.0	27.0
125	14.3	11.2	16.8





#89

Benzo(a)pyrene

Concen: 8.97 ng

RT: 15.36 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Instrument :

BNA_F

ClientSampleId :

SS-17

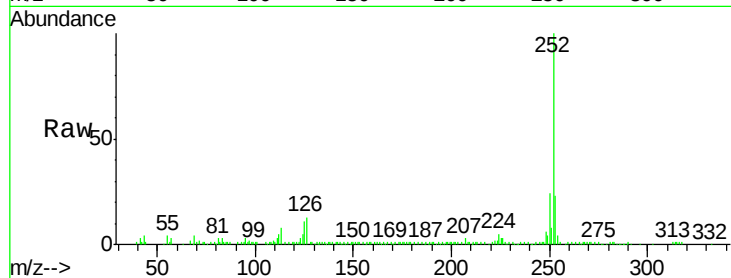
Tgt Ion:252 Resp: 116692

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

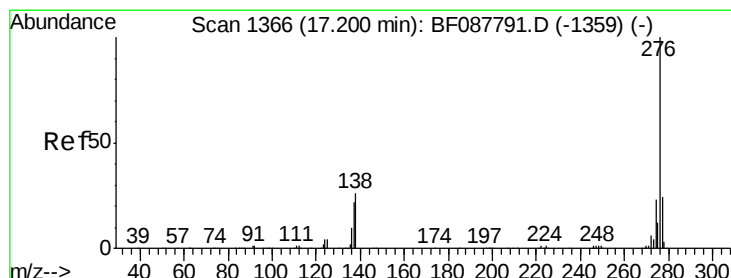
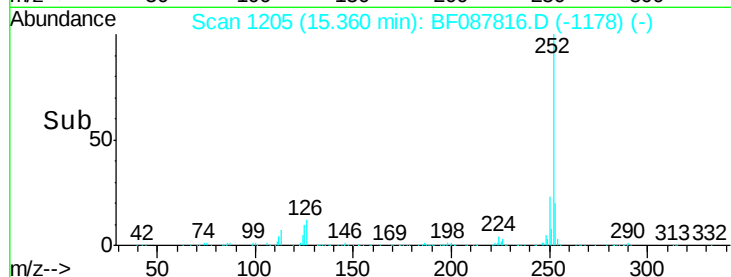
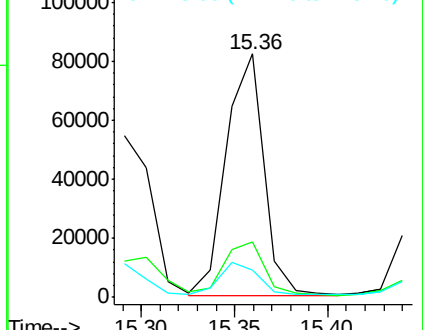
125 11.2 12.5 18.7#



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



#91

Benzo(g,h,i)perylene

Concen: 4.74 ng

RT: 17.21 min Scan# 1367

Delta R.T. 0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

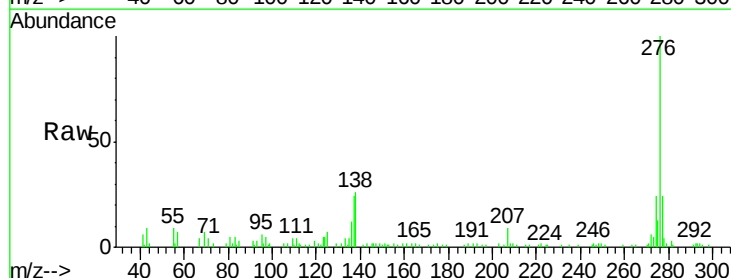
Tgt Ion:276 Resp: 58910

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 26.1 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

