

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087824.D
 Acq On : 8 Jun 2016 22:16
 Operator : UM/SJ
 Sample : H3379-14 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-9

Quant Time: Jun 09 02:02:15 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	96375	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	432479	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	186429	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	278545	20.00	ng	0.00
75) Chrysene-d12	13.99	240	242367	20.00	ng	0.00
86) Perylene-d12	15.42	264	196536	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	250268	44.39	ng	-0.01
7) Phenol-d6	6.46	99	360174	52.72	ng	-0.02
23) Nitrobenzene-d5	7.38	82	187583	25.33	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	65585	33.32	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	269031	18.33	ng	-0.02
78) Terphenyl-d14	12.94	244	222794	20.92	ng	-0.01

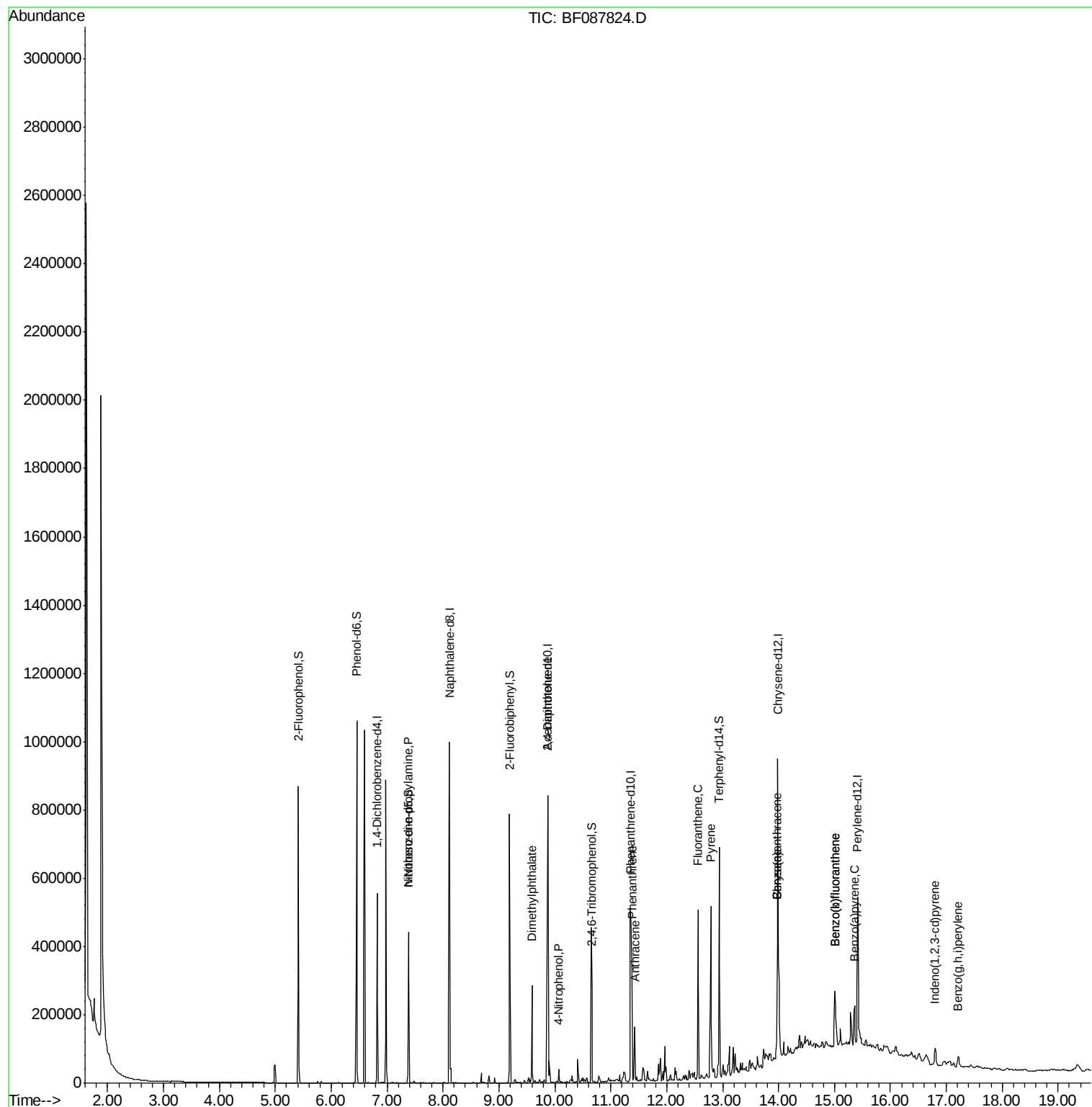
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	3357	Below Cal		94
19) n-Nitroso-di-n-propylamine	7.38	70	23437	5.36 ng	#	78
45) 1,1'-Biphenyl	9.29	154	2432	Below Cal		94
49) Dimethylphthalate	9.59	163	107289	7.94 ng		99
55) 4-Nitrophenol	10.07	139	6044	2.18 ng	#	5
56) 2,4-Dinitrotoluene	9.87	165	23628	5.94 ng	#	38
57) Fluorene	10.41	166	20362	Below Cal		97
70) Phenanthrene	11.38	178	204421	13.99 ng		97
71) Anthracene	11.43	178	60588	4.11 ng		97
74) Fluoranthene	12.56	202	244430	15.85 ng		96
77) Pyrene	12.79	202	212995	11.84 ng		98
80) Benzo(a)anthracene	13.98	228	121236	8.78 ng		99
82) Chrysene	13.98	228	121236	9.33 ng		95
85) Indeno(1,2,3-cd)pyrene	16.80	276	30849	2.56 ng	#	100
87) Benzo(b)fluoranthene	15.01	252	120734	8.81 ng	#	92
88) Benzo(k)fluoranthene	15.01	252	120734	11.68 ng		97
89) Benzo(a)pyrene	15.36	252	67621	6.10 ng	#	94
91) Benzo(g,h,i)perylene	17.21	276	29511	2.79 ng		97

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

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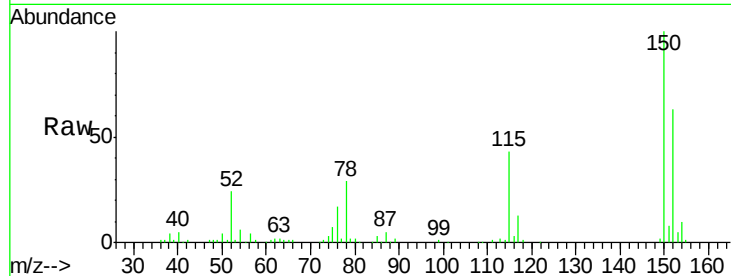




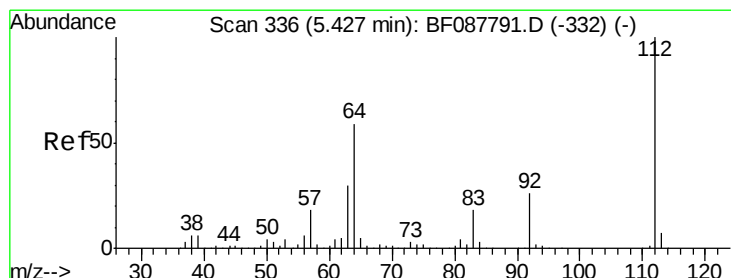
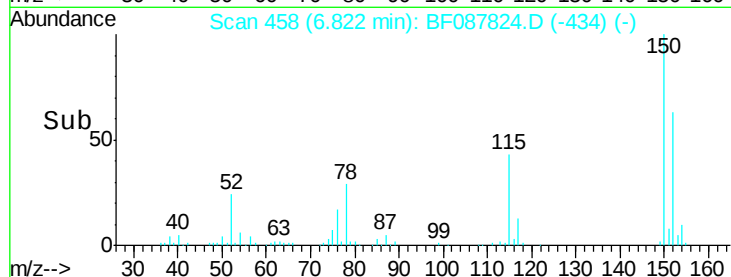
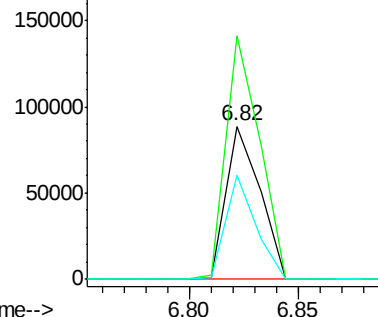
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF087824.D
 Acq: 8 Jun 2016 22:16

Instrument :
 BNA_F
 ClientSampleId :
 SS-9

Tgt Ion:152 Resp: 96375
 Ion Ratio Lower Upper
 152 100
 150 159.3 123.8 185.6
 115 68.1 39.6 59.4#

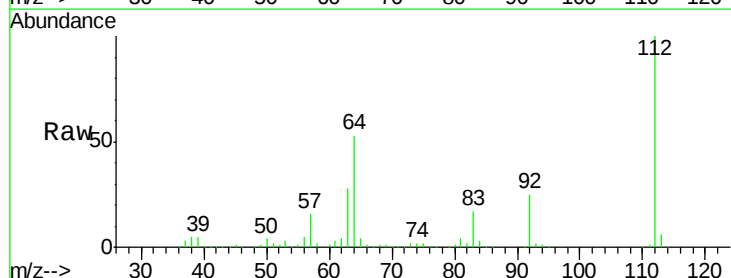


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

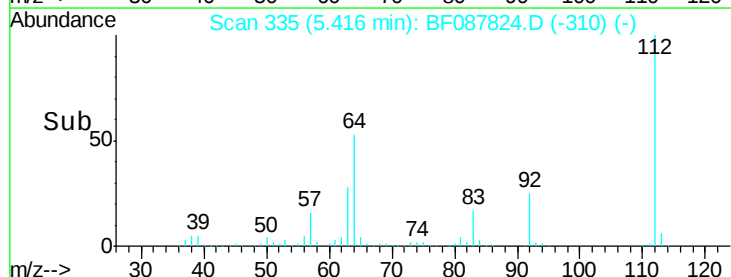
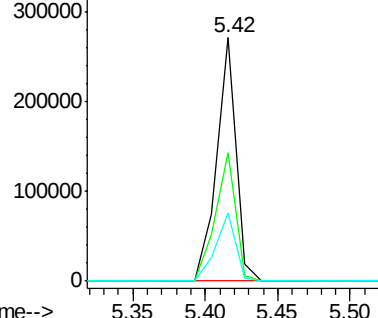


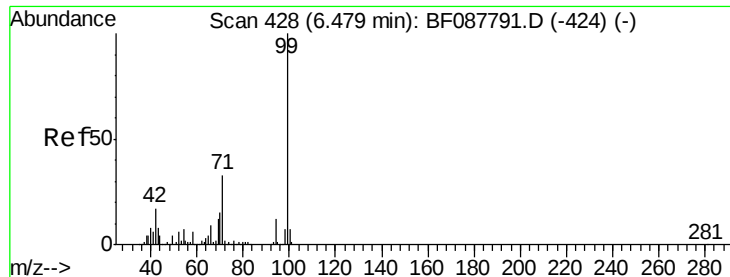
#5
 2-Fluorophenol
 Concen: 44.39 ng
 RT: 5.42 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: BF087824.D
 Acq: 8 Jun 2016 22:16

Tgt Ion:112 Resp: 250268
 Ion Ratio Lower Upper
 112 100
 64 52.9 42.2 63.2
 63 27.8 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: 52.72 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

Instrument :

BNA_F

ClientSampled :

SS-9

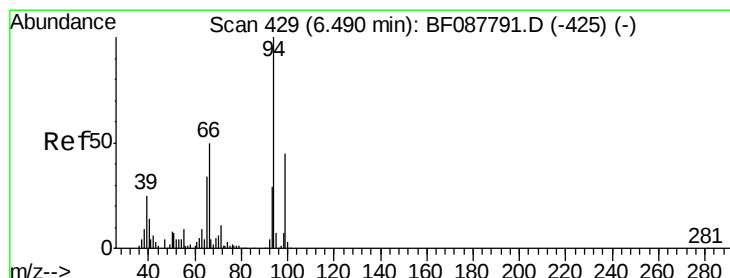
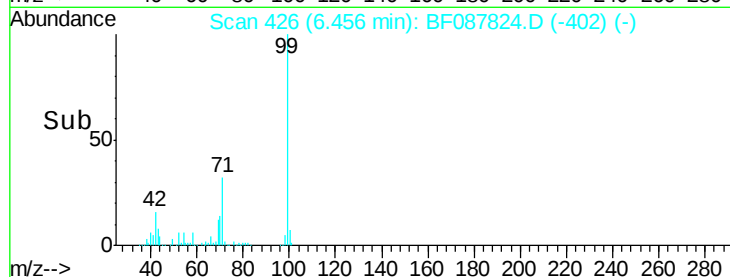
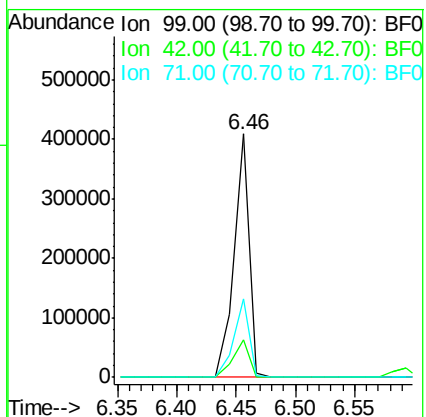
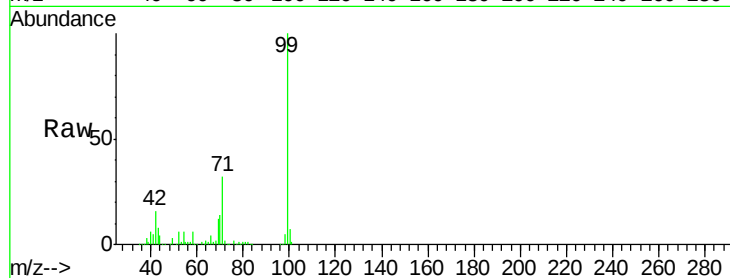
Tgt Ion: 99 Resp: 360174

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

71 32.5 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

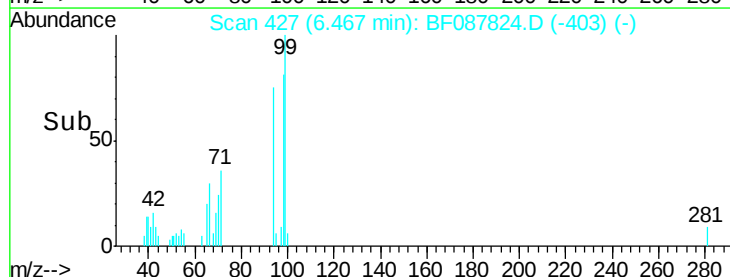
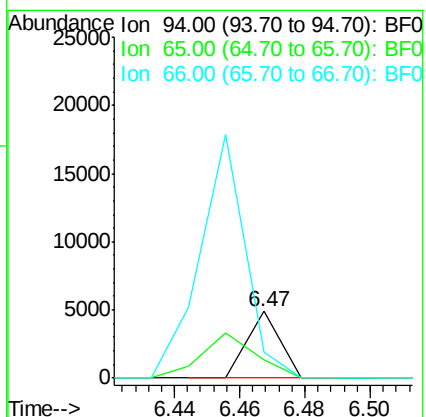
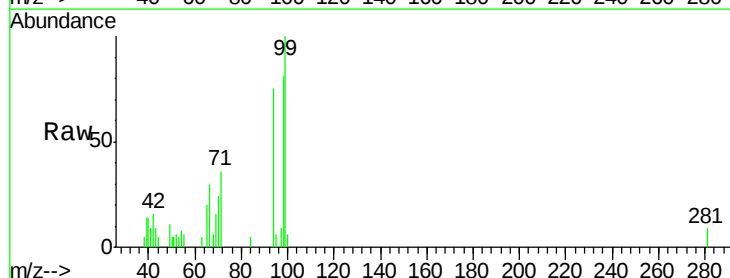
Tgt Ion: 94 Resp: 3357

Ion Ratio Lower Upper

94 100

65 26.8 5.9 45.9

66 39.4 14.0 54.0

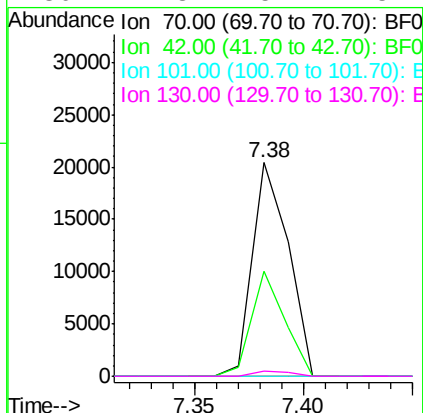
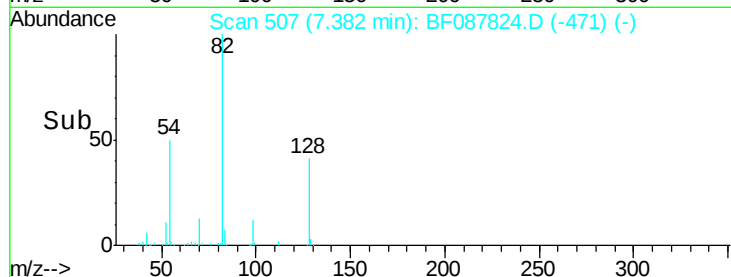
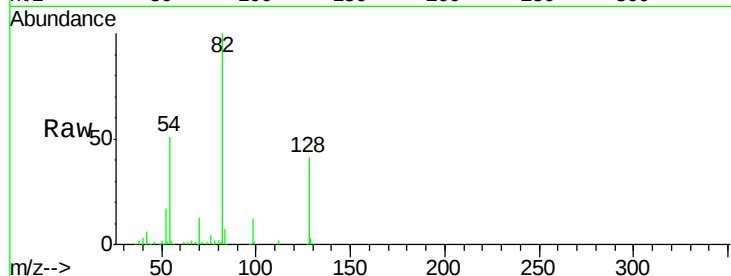




#19
n-Nitroso-di-n-propylamine
Concen: 5.36 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087824.D
Acq: 8 Jun 2016 22:16

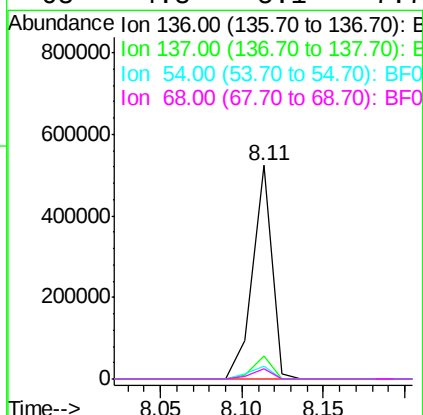
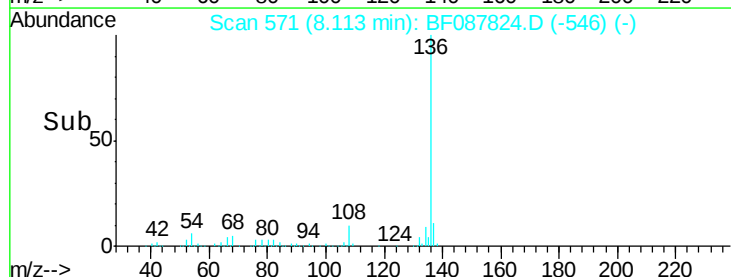
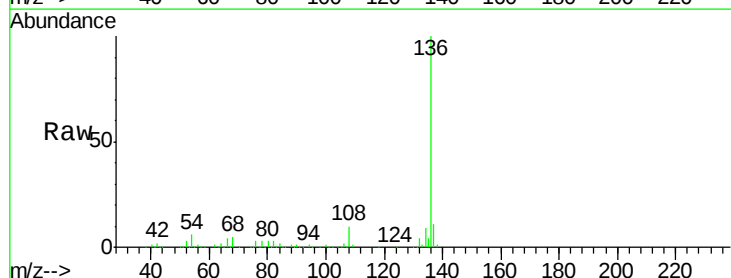
Instrument :
BNA_F
ClientSampleId :
SS-9

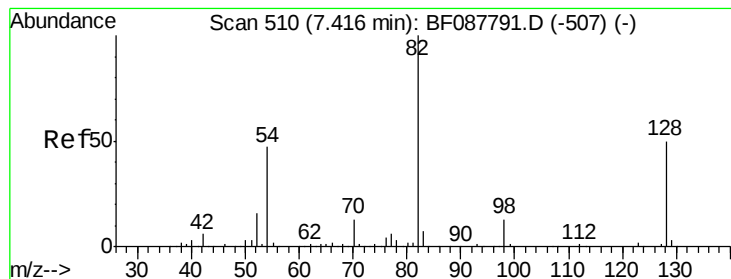
Tgt Ion:	70	Resp:	23437
Ion	Ratio	Lower	Upper
70	100		
42	49.3	49.6	74.4#
101	0.0	7.1	10.7#
130	2.3	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087824.D
Acq: 8 Jun 2016 22:16

Tgt Ion:	136	Resp:	432479
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.2	6.6	10.0#
68	4.8	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 25.33 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

Instrument :

BNA_F

ClientSampled :

SS-9

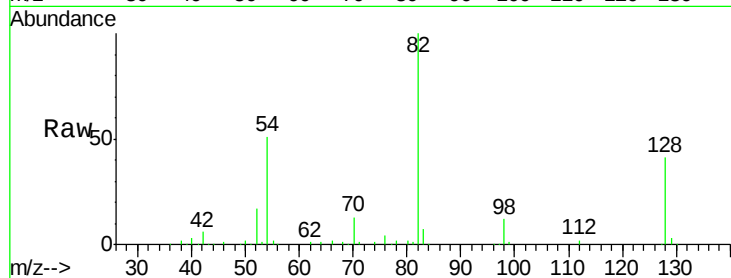
Tgt Ion: 82 Resp: 187583

Ion Ratio Lower Upper

82 100

128 40.9 35.9 53.9

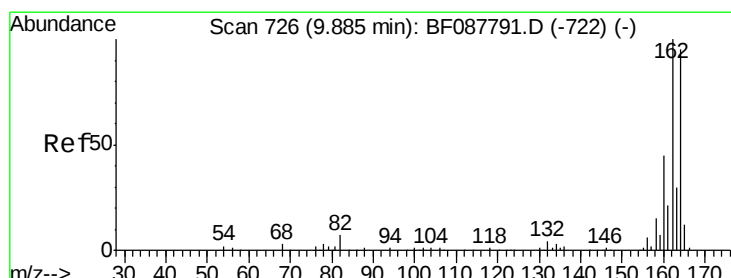
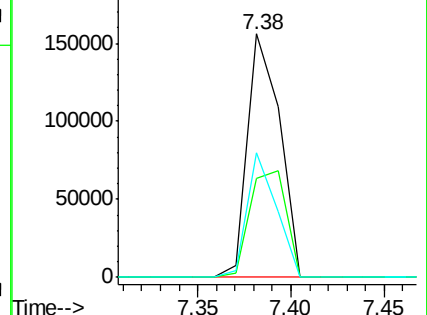
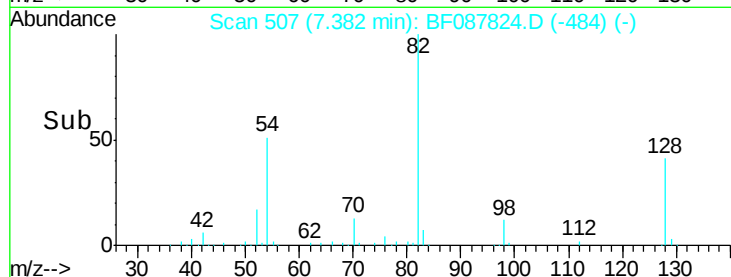
54 51.1 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

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: BF087824.D

Acq: 8 Jun 2016 22:16

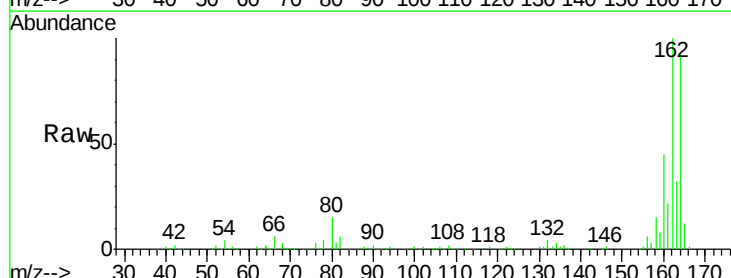
Tgt Ion: 164 Resp: 186429

Ion Ratio Lower Upper

164 100

162 107.0 85.4 128.2

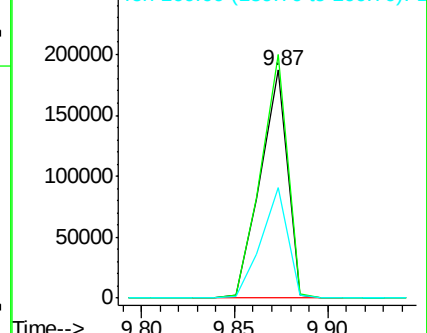
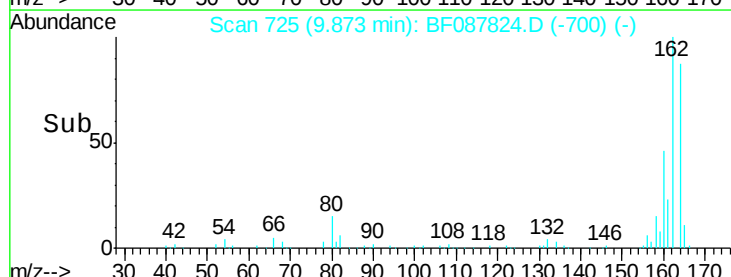
160 48.6 39.5 59.3

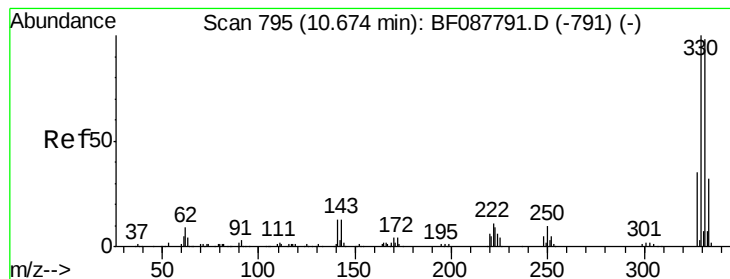


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0





#41

2,4,6-Tribromophenol

Concen: 33.32 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

Instrument :

BNA_F

ClientSampleId :

SS-9

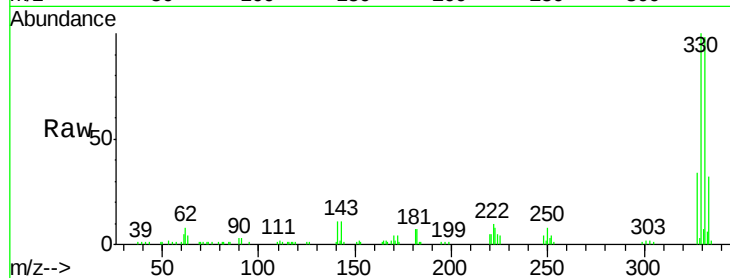
Tgt Ion:330 Resp: 65585

Ion Ratio Lower Upper

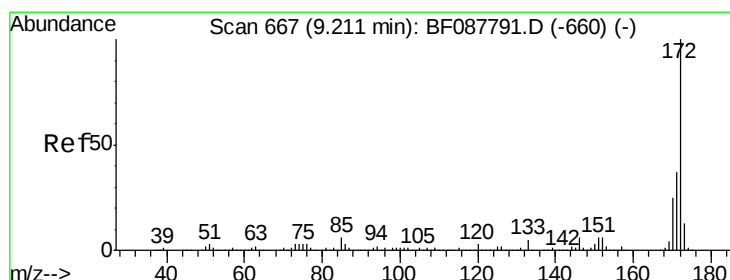
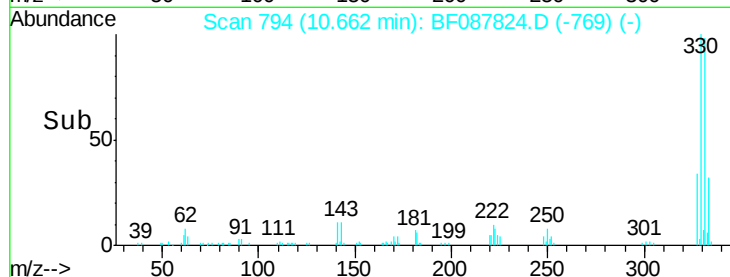
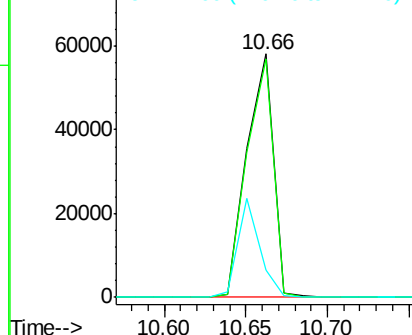
330 100

332 97.4 0.0 0.0#

141 33.4 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: 18.33 ng

RT: 9.19 min Scan# 665

Delta R.T. -0.02 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

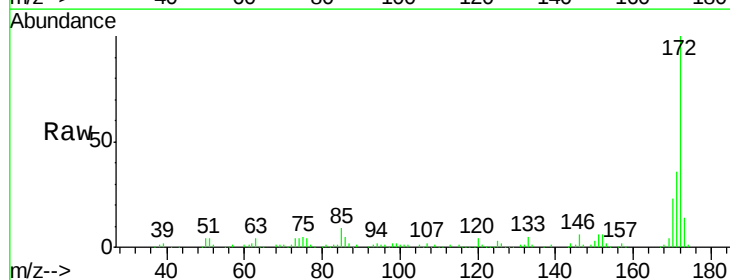
Tgt Ion:172 Resp: 269031

Ion Ratio Lower Upper

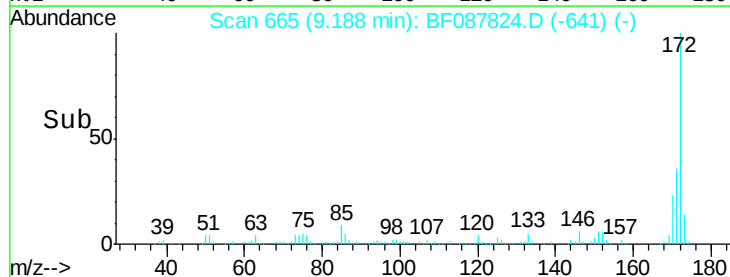
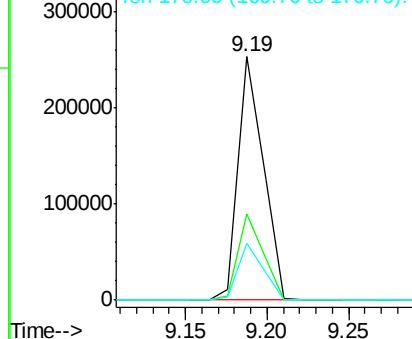
172 100

171 35.6 28.6 43.0

170 23.4 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

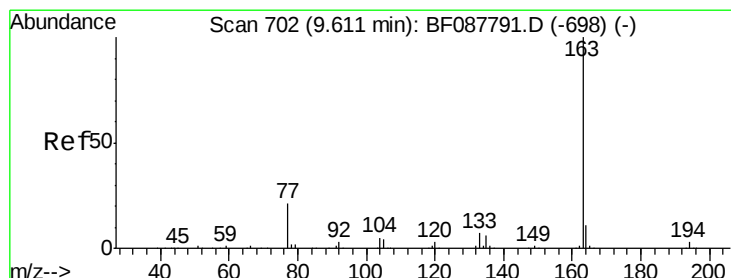
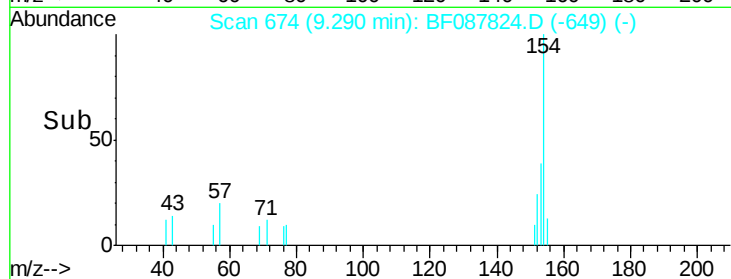
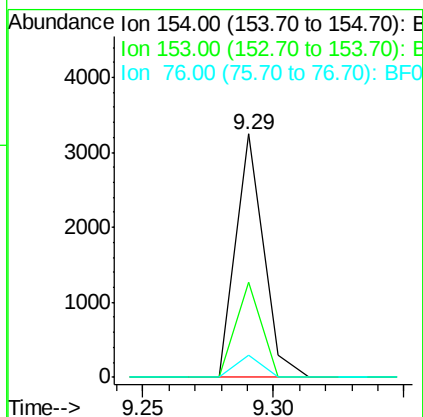
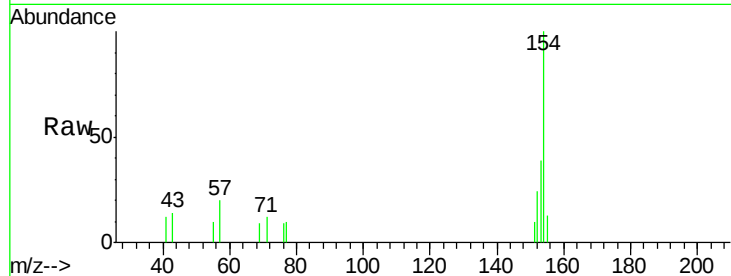




#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.29 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF087824.D
 Acq: 8 Jun 2016 22:16

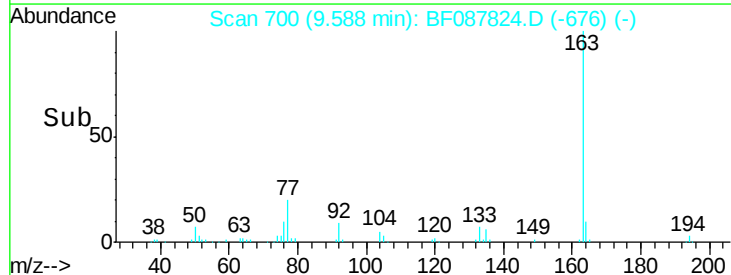
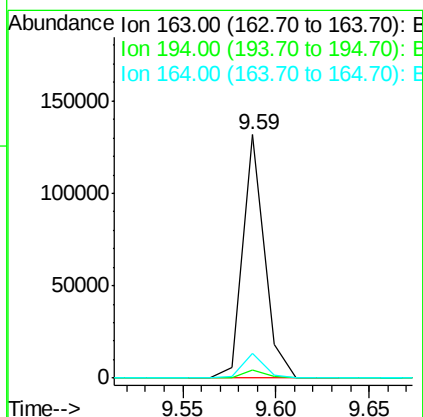
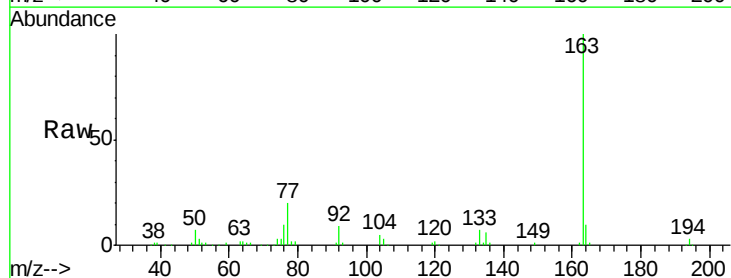
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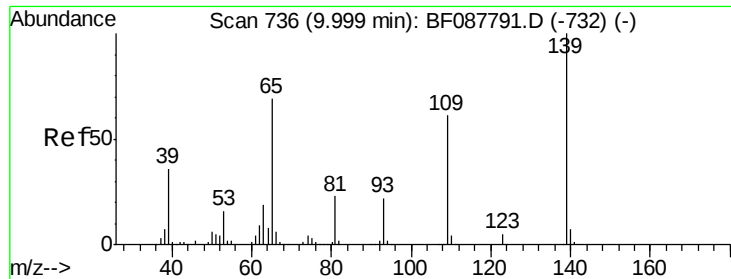
Tgt Ion:154 Resp: 2432
 Ion Ratio Lower Upper
 154 100
 153 39.0 20.6 60.6
 76 9.3 0.0 35.1



#49
 Dimethylphthalate
 Concen: 7.94 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: BF087824.D
 Acq: 8 Jun 2016 22:16

Tgt Ion:163 Resp: 107289
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.8 4.2
 164 10.2 8.3 12.5

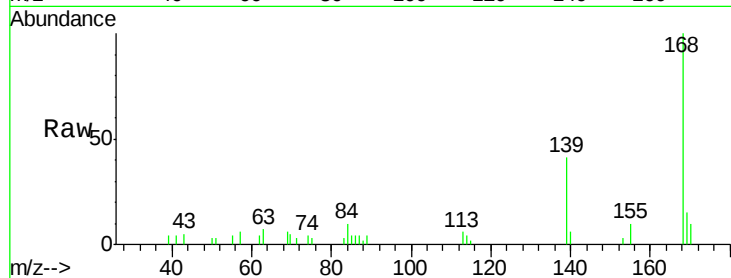




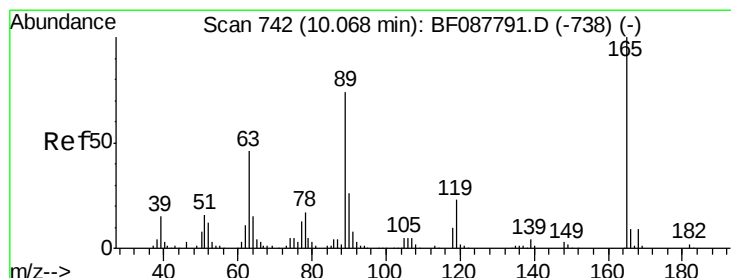
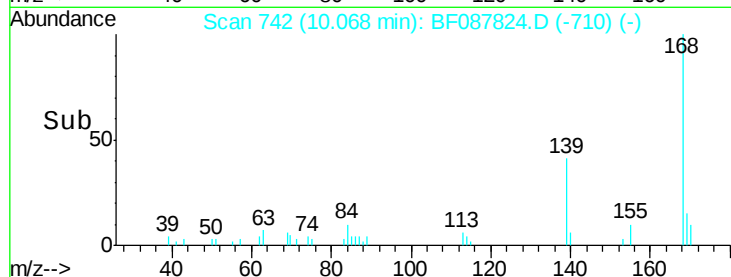
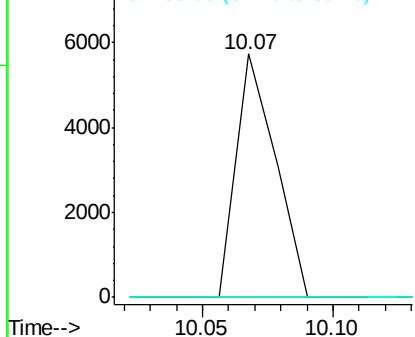
#55
4-Nitrophenol
Concen: 2.18 ng
RT: 10.07 min Scan# 742
Delta R.T. 0.07 min
Lab File: BF087824.D
Acq: 8 Jun 2016 22:16

Instrument :
BNA_F
ClientSampleId :
SS-9

Tgt Ion:139 Resp: 6044
Ion Ratio Lower Upper
139 100
109 0.0 48.9 88.9#
65 0.0 84.9 124.9#

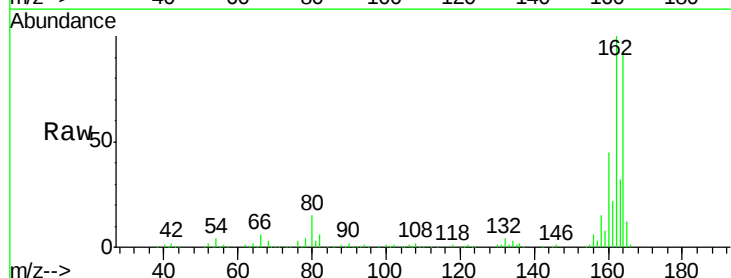


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

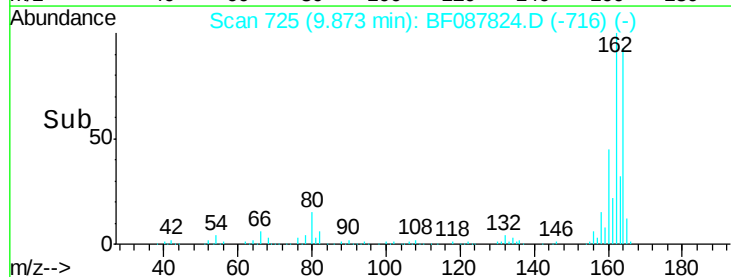
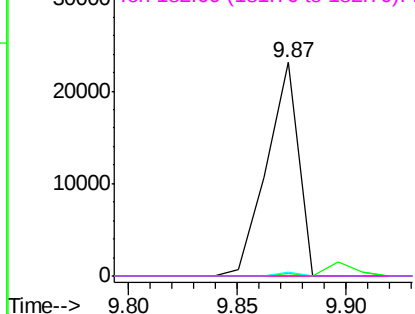


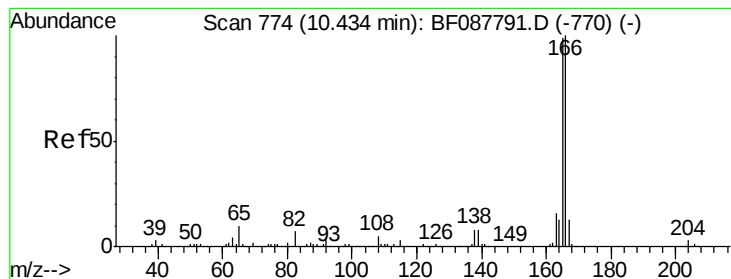
#56
2,4-Dinitrotoluene
Concen: 5.94 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.19 min
Lab File: BF087824.D
Acq: 8 Jun 2016 22:16

Tgt Ion:165 Resp: 23628
Ion Ratio Lower Upper
165 100
63 1.4 22.0 33.0#
89 1.6 41.1 61.7#
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





#57

Fluorene

Concen: Below Cal

RT: 10.41 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

Instrument :

BNA_F

ClientSampleId :

SS-9

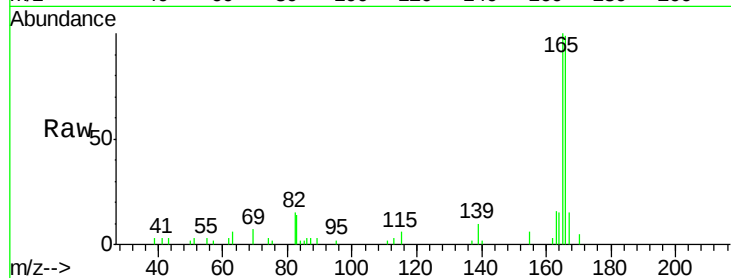
Tgt Ion:166 Resp: 20362

Ion Ratio Lower Upper

166 100

165 100.5 77.8 116.8

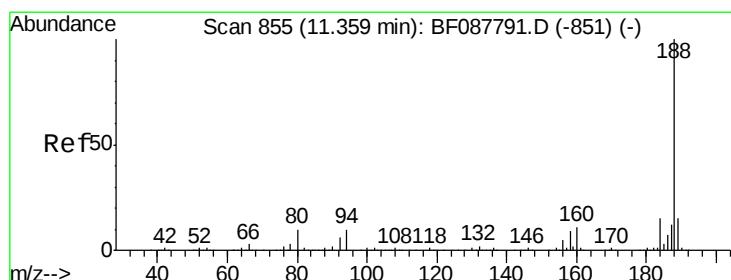
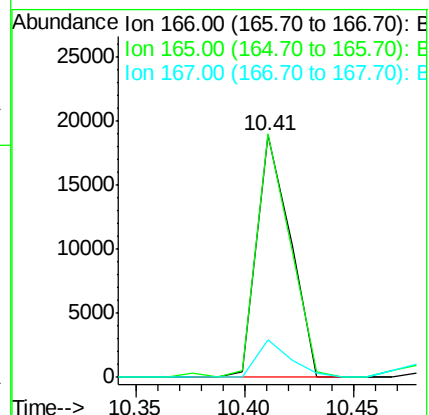
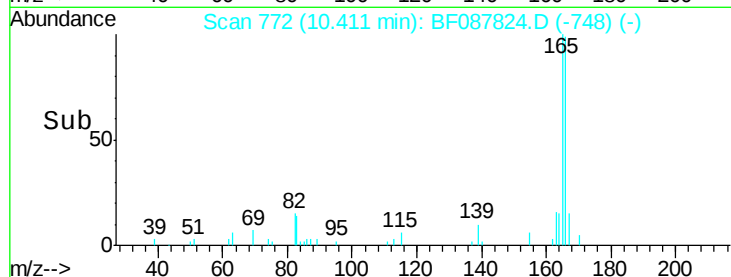
167 15.6 11.2 16.8



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: 11.36 min Scan# 855

Delta R.T. -0.00 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

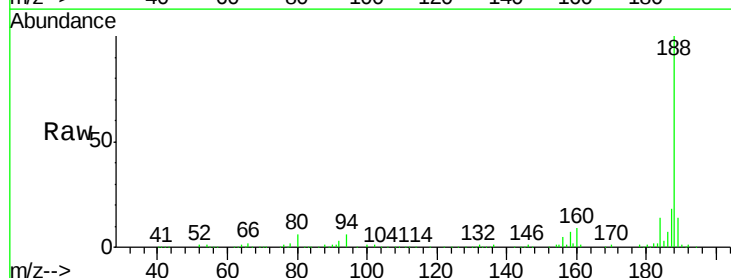
Tgt Ion:188 Resp: 278545

Ion Ratio Lower Upper

188 100

94 6.1 9.0 13.6#

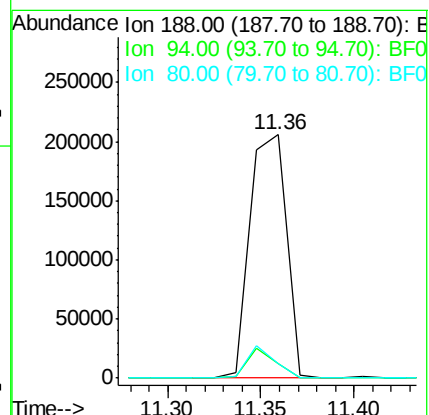
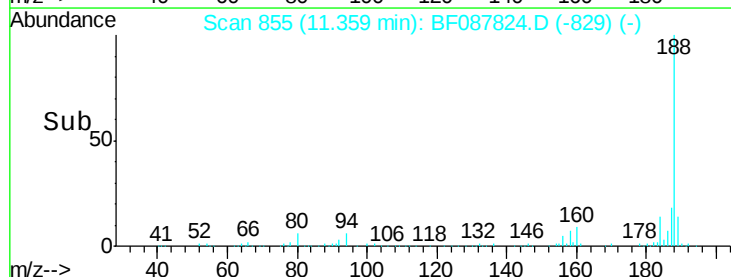
80 6.1 10.0 15.0#

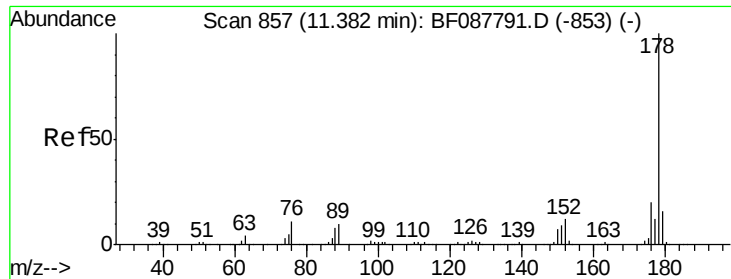


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

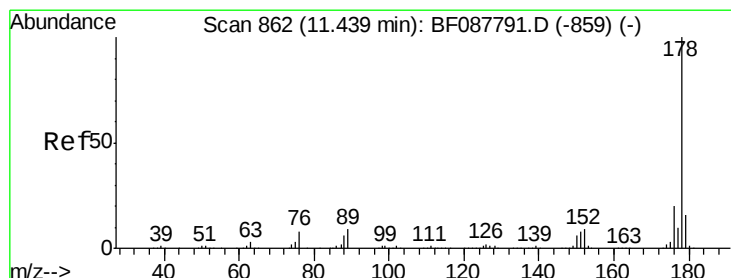
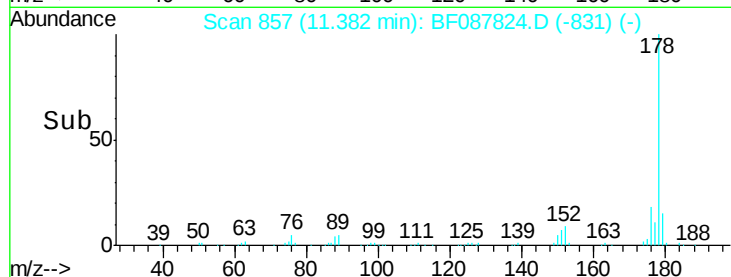
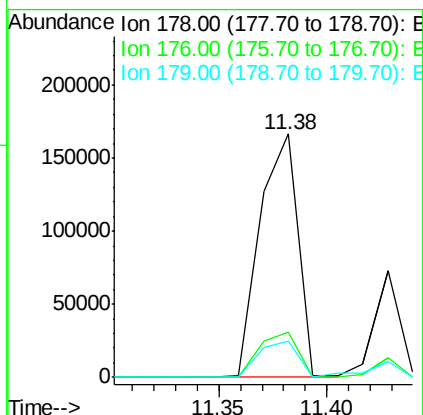
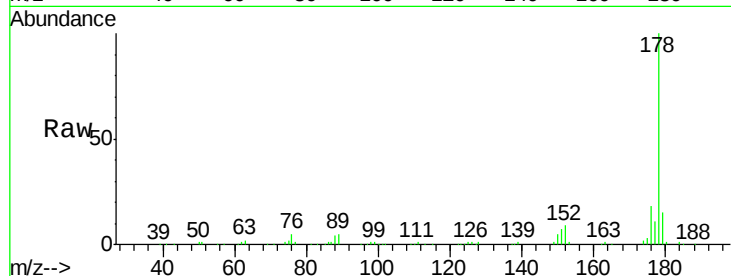




#70
Phenanthrene
Concen: 13.99 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087824.D
Acq: 8 Jun 2016 22:16

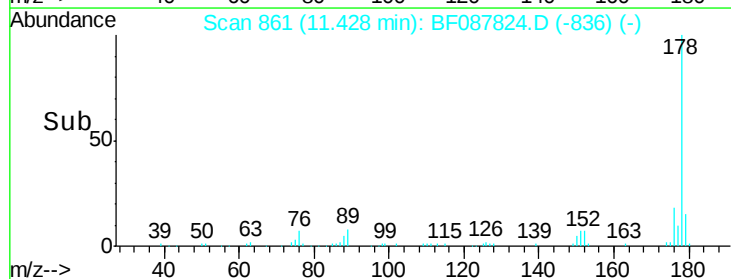
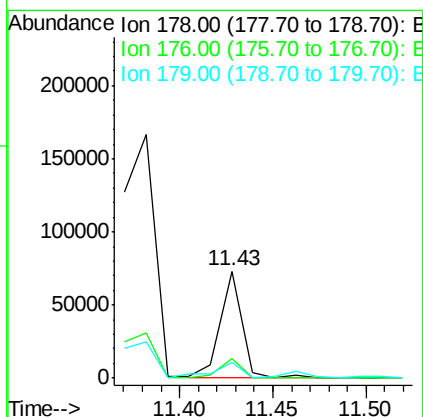
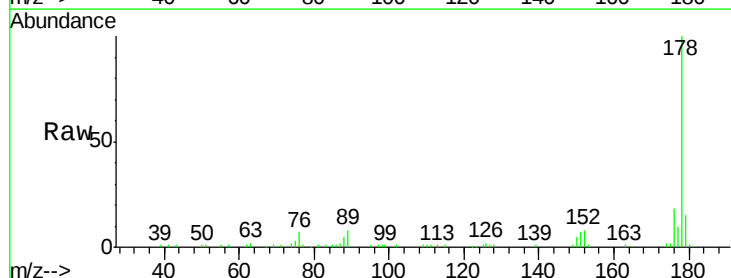
Instrument :
BNA_F
ClientSampleId :
SS-9

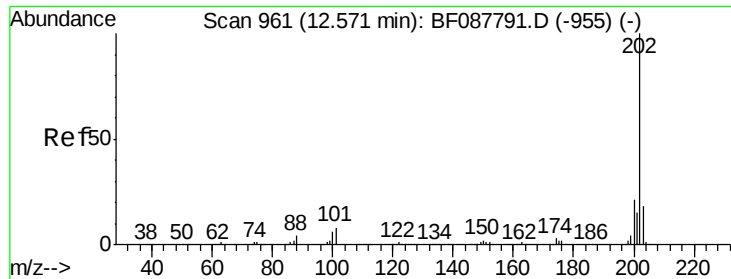
Tgt Ion:178 Resp: 204421
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.6
179 15.0 13.0 19.4



#71
Anthracene
Concen: 4.11 ng
RT: 11.43 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF087824.D
Acq: 8 Jun 2016 22:16

Tgt Ion:178 Resp: 60588
Ion Ratio Lower Upper
178 100
176 17.9 15.6 23.4
179 15.4 12.8 19.2





#74

Fluoranthene

Concen: 15.85 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

Instrument :

BNA_F

ClientSampleId :

SS-9

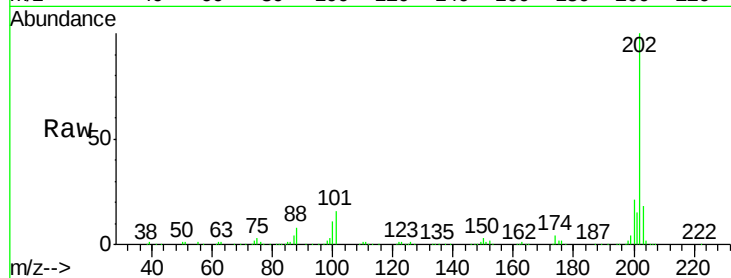
Tgt Ion:202 Resp: 244430

Ion Ratio Lower Upper

202 100

101 16.1 0.0 33.1

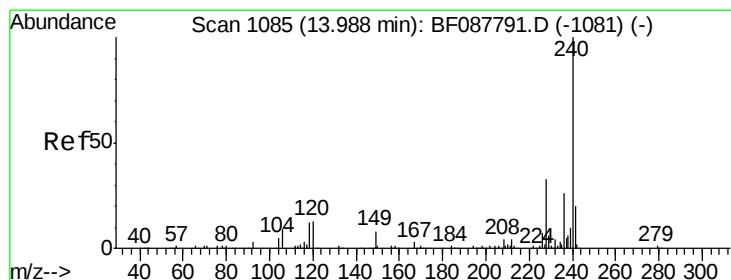
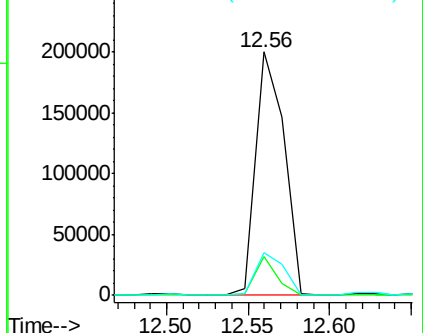
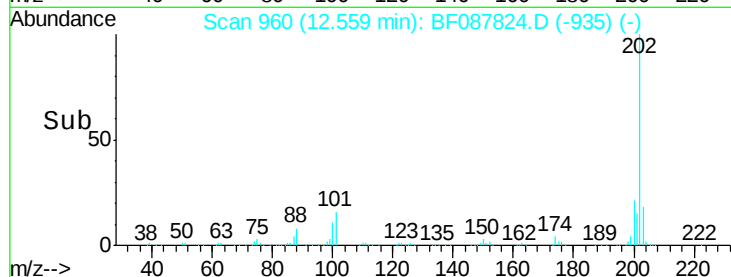
203 17.8 0.0 38.1



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: BF087824.D

Acq: 8 Jun 2016 22:16

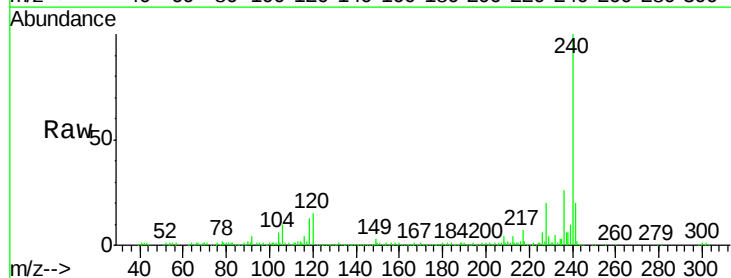
Tgt Ion:240 Resp: 242367

Ion Ratio Lower Upper

240 100

120 14.9 6.8 10.2#

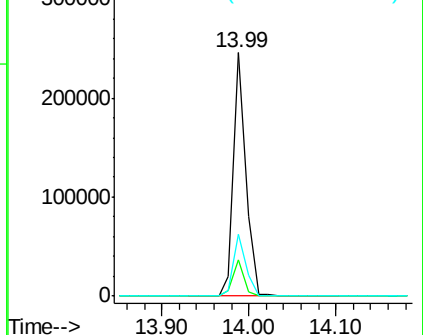
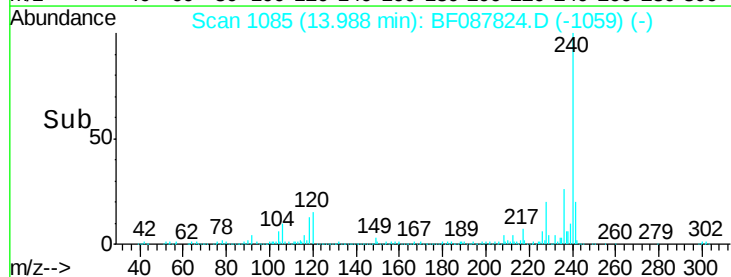
236 25.6 20.2 30.2

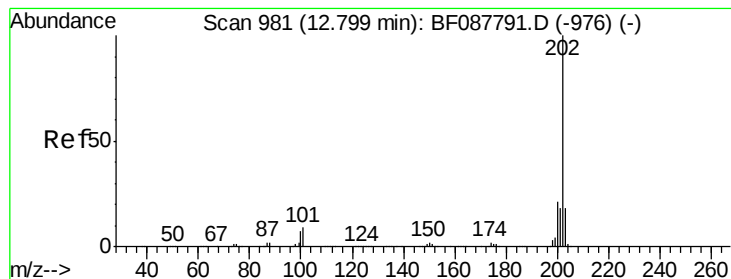


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.84 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

Instrument :

BNA_F

ClientSampleId :

SS-9

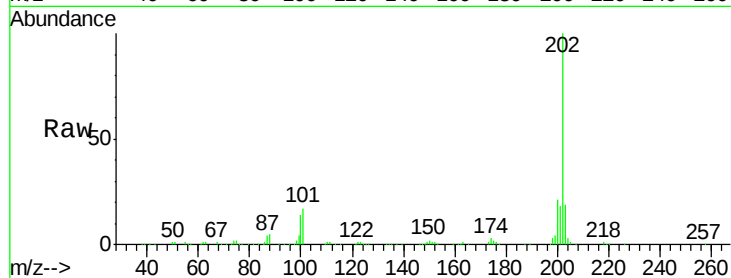
Tgt Ion:202 Resp: 212995

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

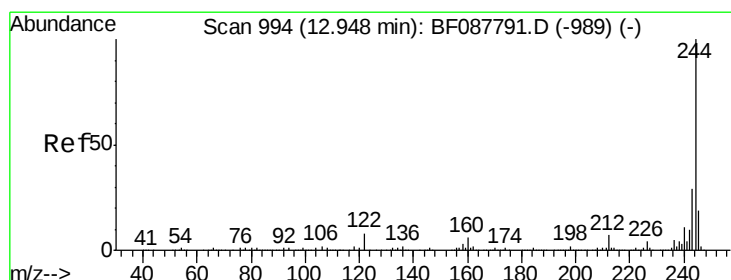
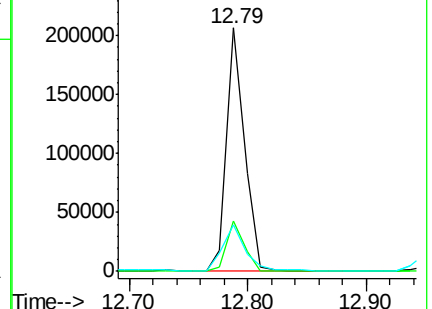
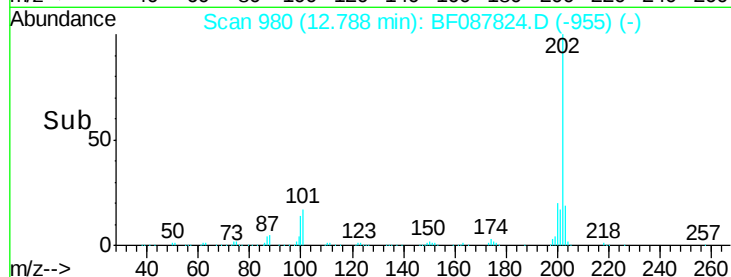
203 19.1 14.5 21.7



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: 20.92 ng

RT: 12.94 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

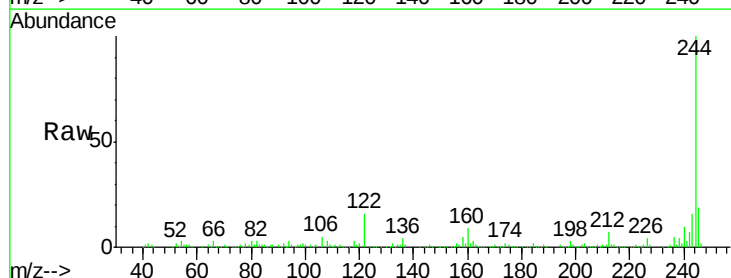
Tgt Ion:244 Resp: 222794

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

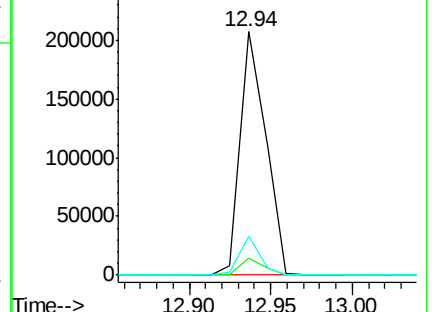
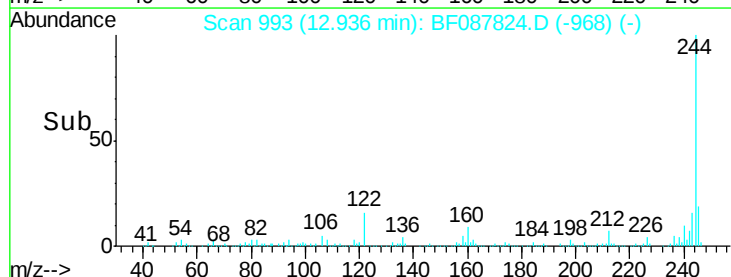
122 16.1 11.2 16.8

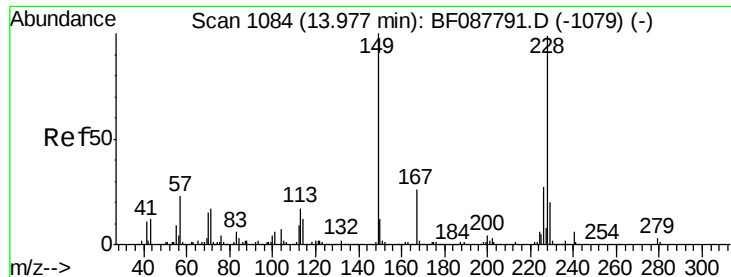


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.78 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

Instrument :

BNA_F

ClientSampleId :

SS-9

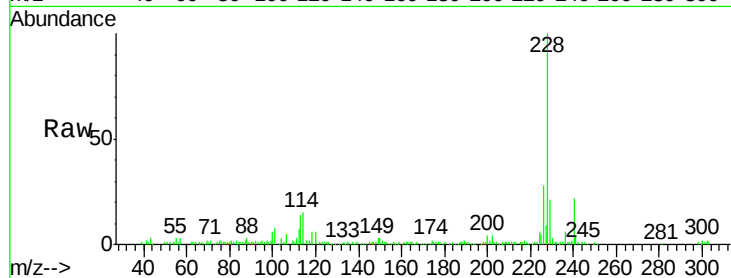
Tgt Ion:228 Resp: 121236

Ion Ratio Lower Upper

228 100

226 28.1 22.3 33.5

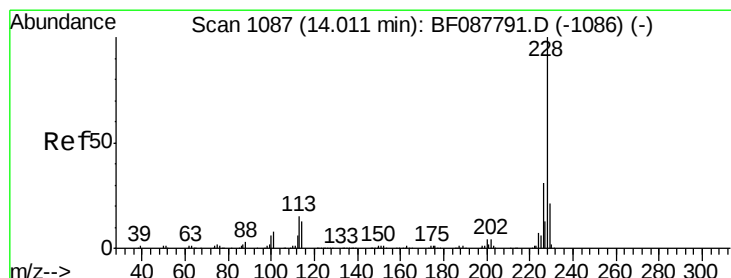
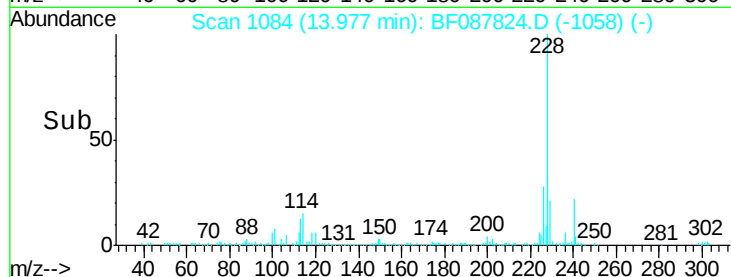
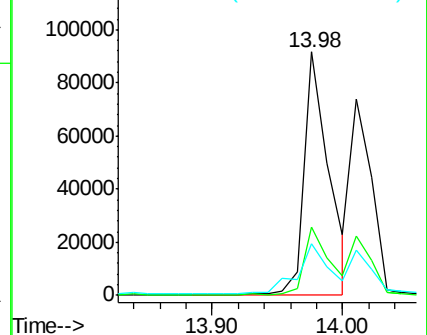
229 21.0 16.0 24.0



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: 9.33 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

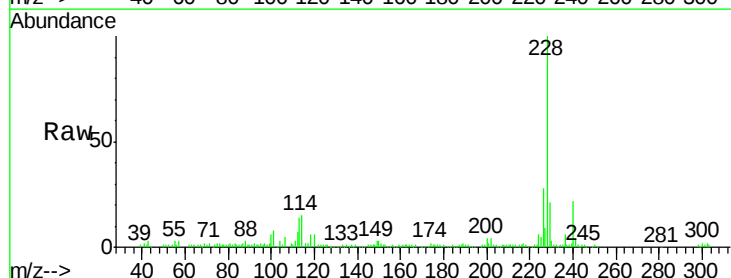
Tgt Ion:228 Resp: 121236

Ion Ratio Lower Upper

228 100

226 28.1 25.4 38.2

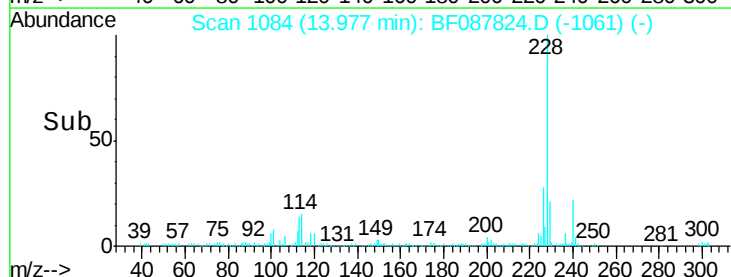
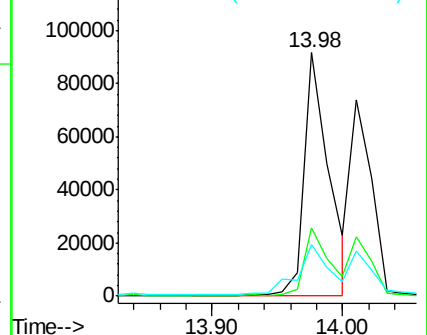
229 21.0 16.3 24.5

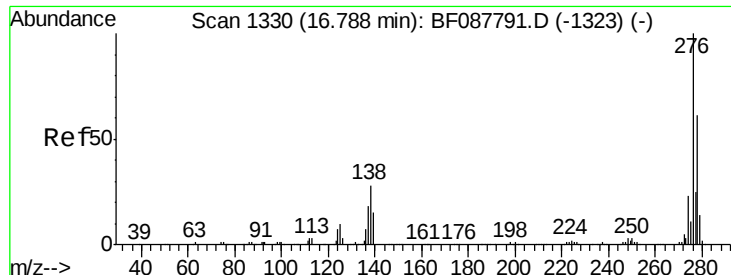


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

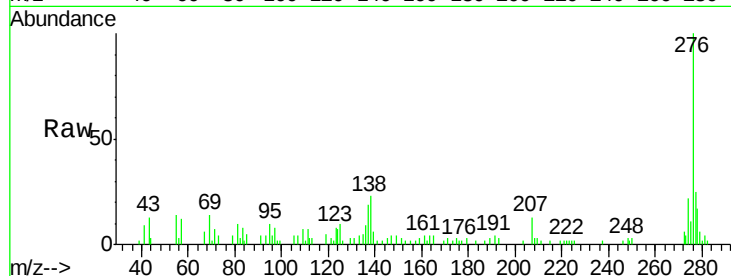




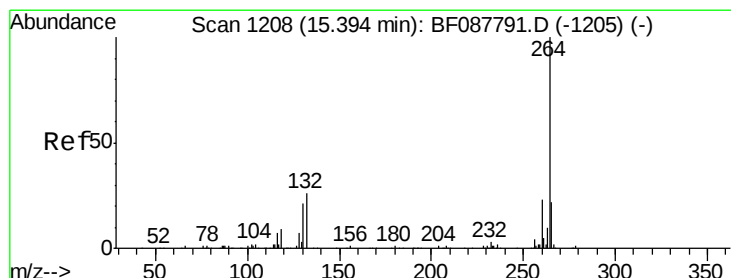
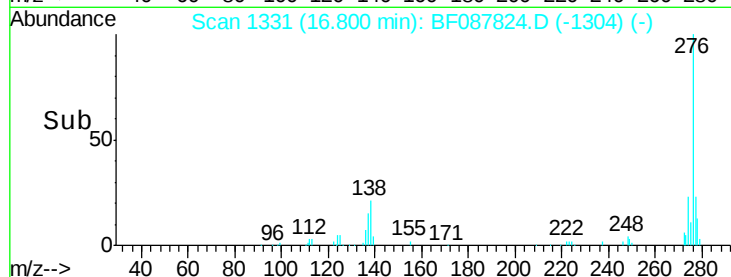
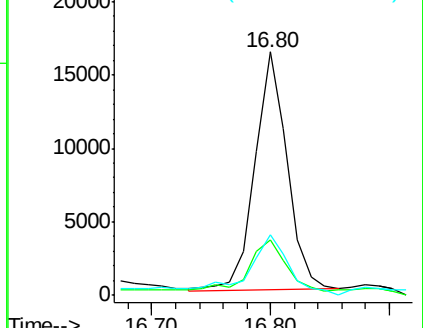
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.56 ng
 RT: 16.80 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF087824.D
 Acq: 8 Jun 2016 22:16

Instrument :
 BNA_F
 ClientSampleId :
 SS-9

Tgt Ion: 276 Resp: 30849
 Ion Ratio Lower Upper
 276 100
 138 27.2 0.0 0.0#
 277 32.0 0.0 0.0#

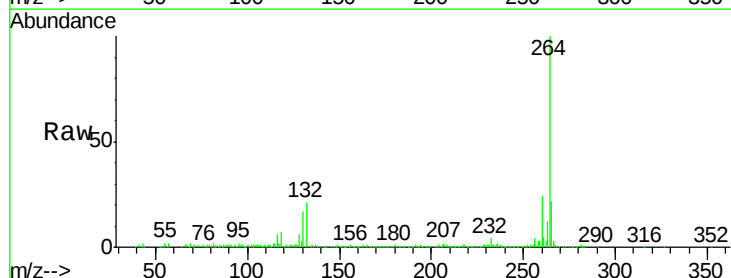


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

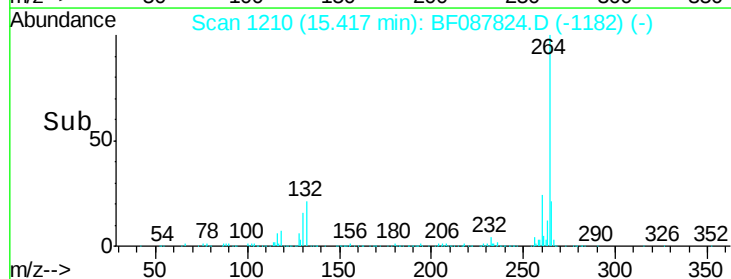
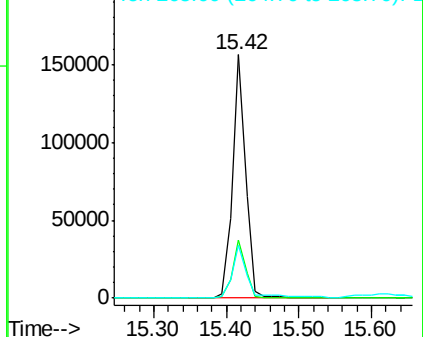


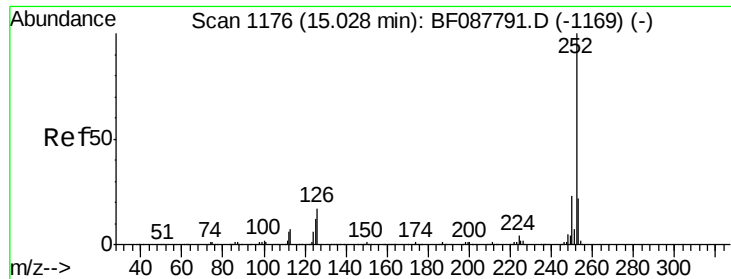
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1210
 Delta R.T. 0.02 min
 Lab File: BF087824.D
 Acq: 8 Jun 2016 22:16

Tgt Ion: 264 Resp: 196536
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.6 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: 8.81 ng

RT: 15.01 min Scan# 1174

Delta R.T. 0.01 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

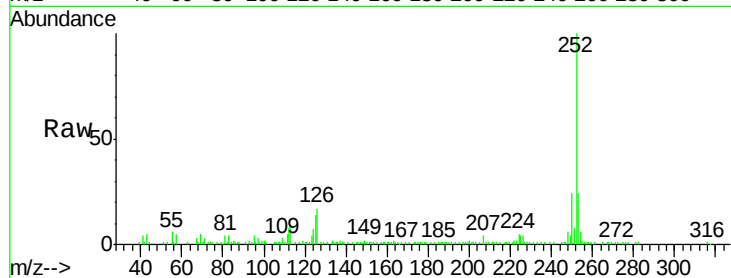
Instrument :

BNA_F

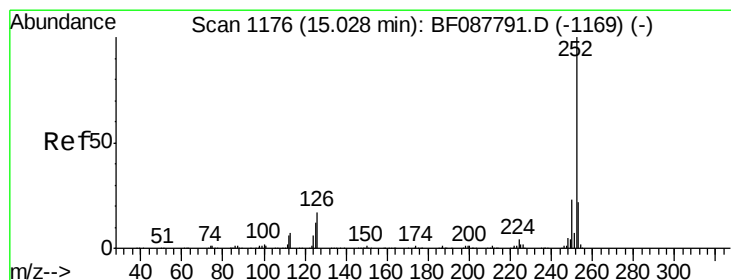
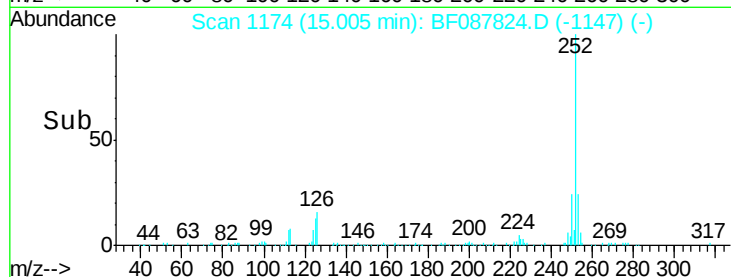
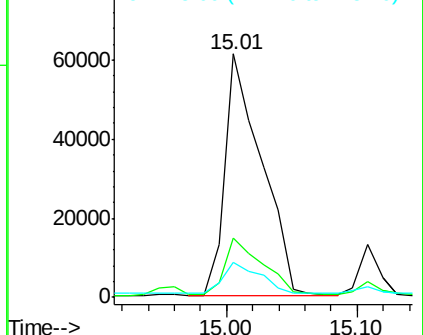
ClientSampleId :

SS-9

Tgt Ion:	252	Resp:	120734
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.2
125	14.5	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: 11.68 ng

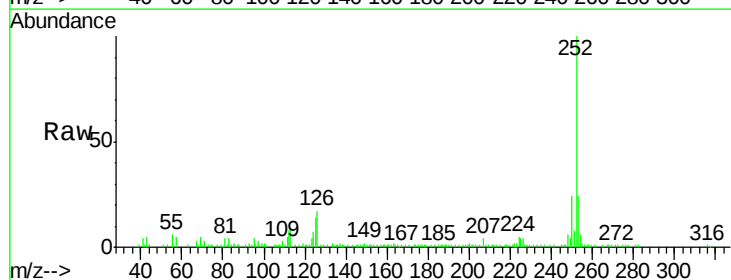
RT: 15.01 min Scan# 1174

Delta R.T. -0.02 min

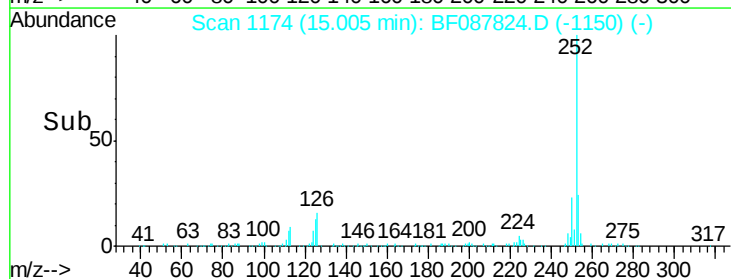
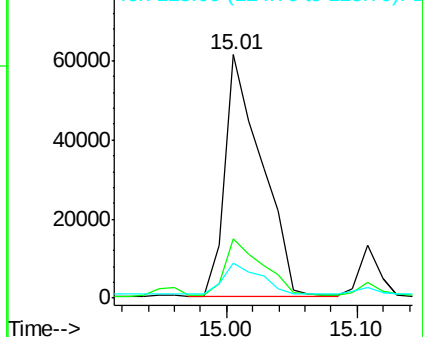
Lab File: BF087824.D

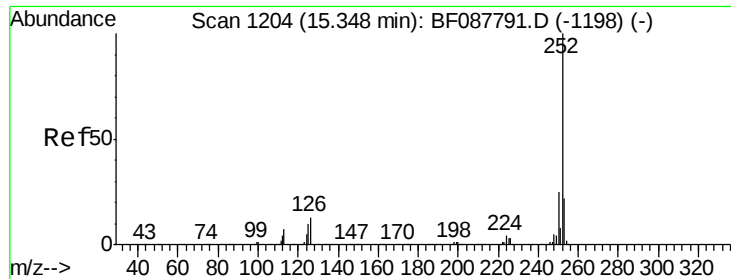
Acq: 8 Jun 2016 22:16

Tgt Ion:	252	Resp:	120734
Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	14.5	11.2	16.8



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





#89

Benzo(a)pyrene

Concen: 6.10 ng

RT: 15.36 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

Instrument :

BNA_F

ClientSampleId :

SS-9

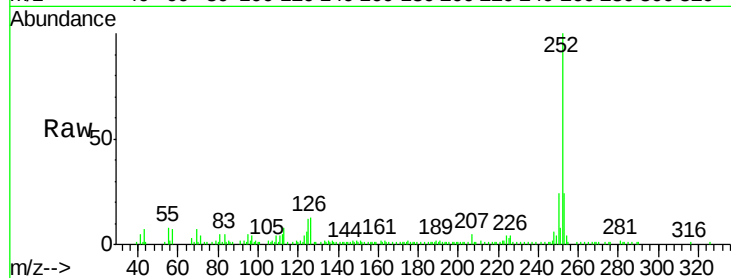
Tgt Ion:252 Resp: 67621

Ion Ratio Lower Upper

252 100

253 24.0 17.9 26.9

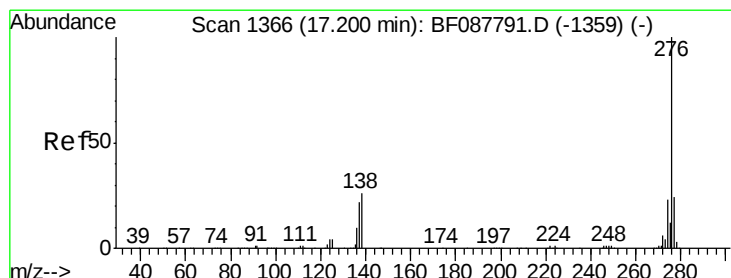
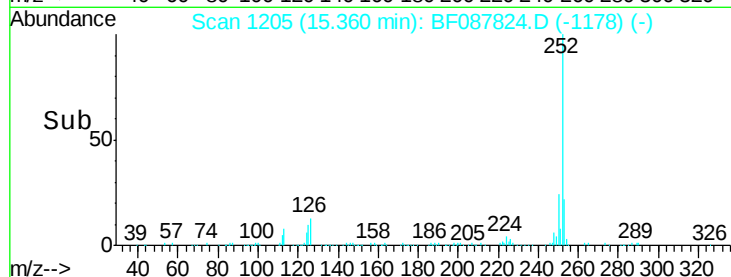
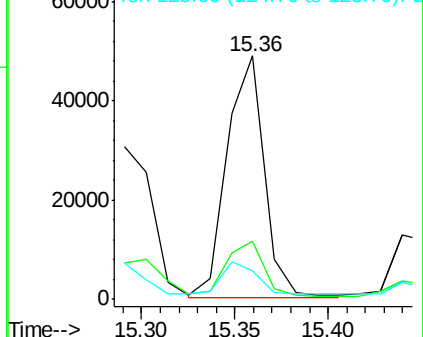
125 11.6 12.5 18.7#



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: 2.79 ng

RT: 17.21 min Scan# 1367

Delta R.T. 0.01 min

Lab File: BF087824.D

Acq: 8 Jun 2016 22:16

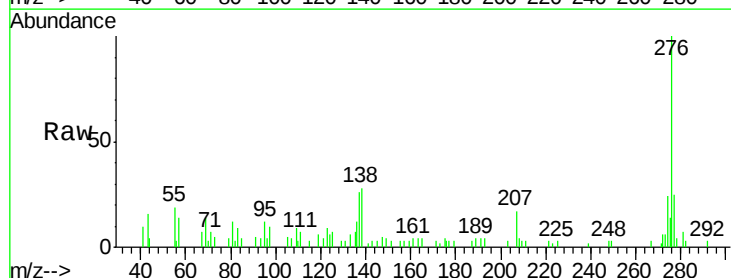
Tgt Ion:276 Resp: 29511

Ion Ratio Lower Upper

276 100

277 25.5 18.9 28.3

138 27.7 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

