

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
 Data File : BF090594.D
 Acq On : 15 Oct 2016 8:29
 Operator : UM/SJ
 Sample : H5227-04 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4

Quant Time: Oct 17 00:46:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 12:44:45 2016
 Response via : Initial Calibration

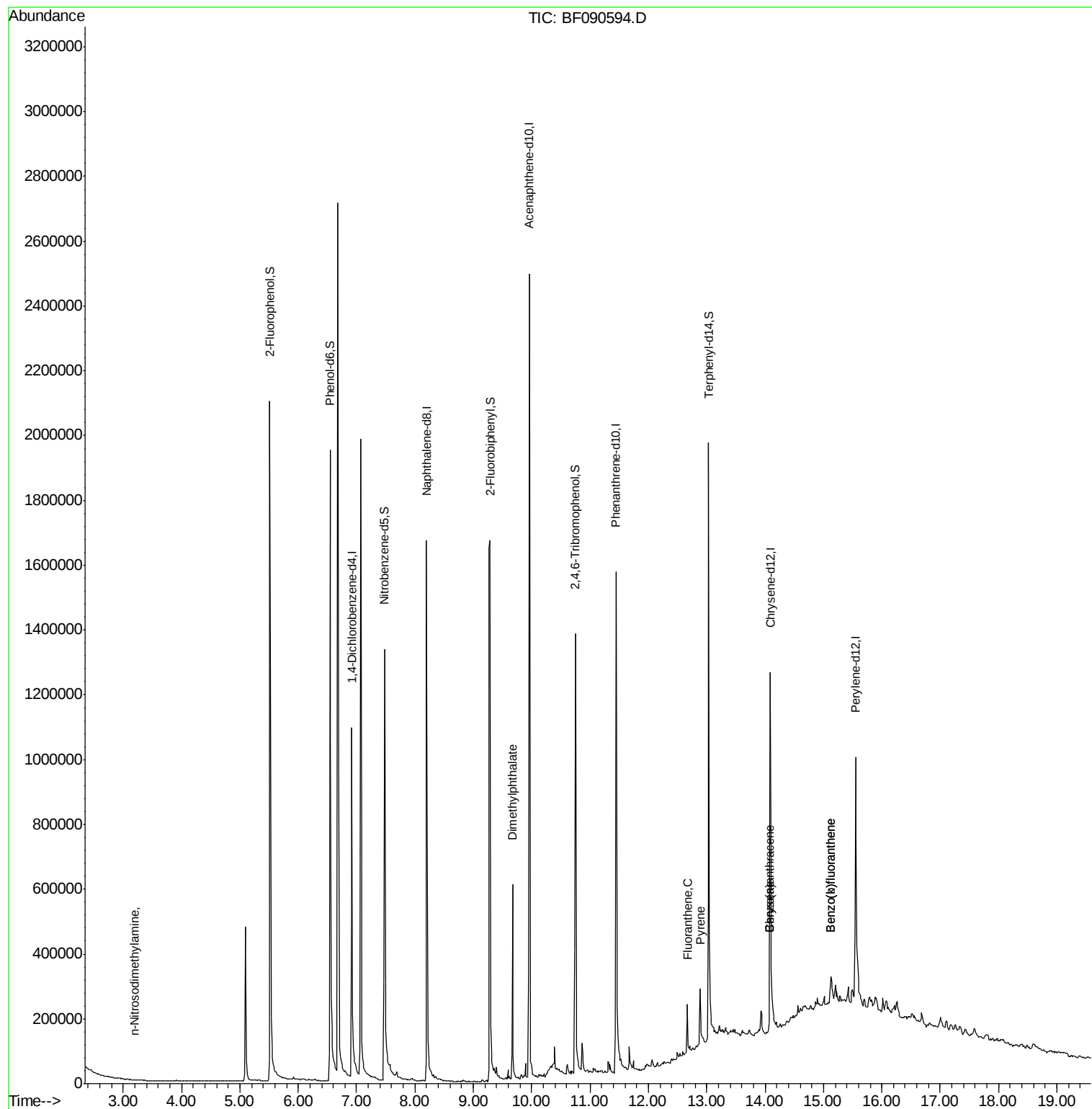
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	229849	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	952906	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	479565	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	628743	20.00	ng	-0.01
75) Chrysene-d12	14.09	240	465240	20.00	ng	-0.01
86) Perylene-d12	15.55	264	410348	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	769250	61.35	ng	-0.01
7) Phenol-d6	6.54	99	1005581	53.98	ng	-0.01
23) Nitrobenzene-d5	7.48	82	637041	37.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	167978	39.29	ng	-0.01
44) 2-Fluorobiphenyl	9.29	172	887412	30.49	ng	0.00
78) Terphenyl-d14	13.04	244	641040	32.08	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	3.19	42	231	7.20	ng	Qvalue # 1
49) Dimethylphthalate	9.67	163	237847	7.64	ng	98
74) Fluoranthene	12.67	202	79461	2.35	ng	99
77) Pyrene	12.89	202	72189	2.34	ng	98
80) Benzo(a)anthracene	14.08	228	77234	2.92	ng	# 94
82) Chrysene	14.08	228	77234	3.03	ng	# 93
87) Benzo(b)fluoranthene	15.13	252	62545	2.33	ng	# 87
88) Benzo(k)fluoranthene	15.13	252	62545	2.16	ng	# 85

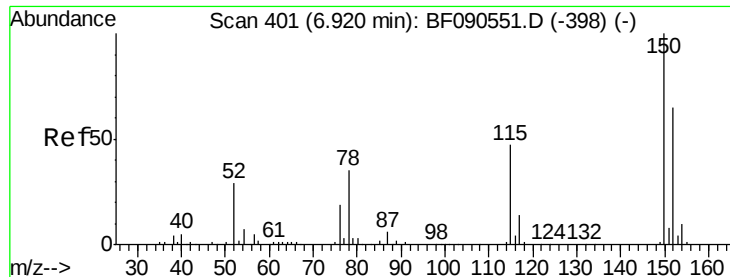
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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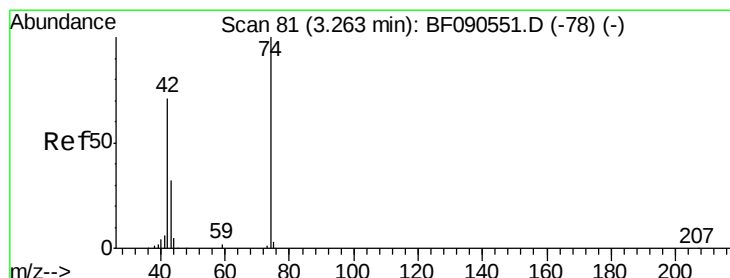
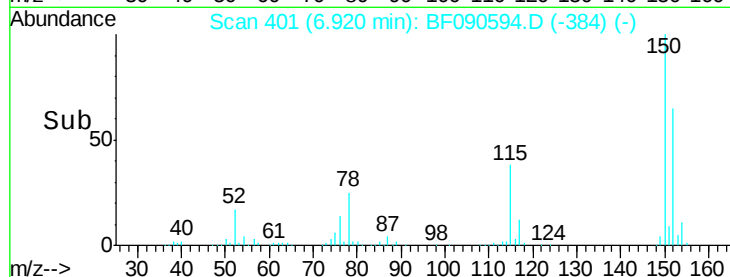
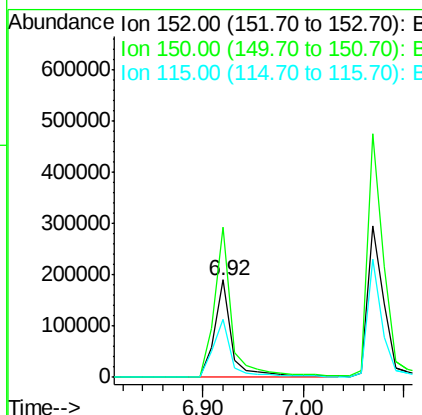
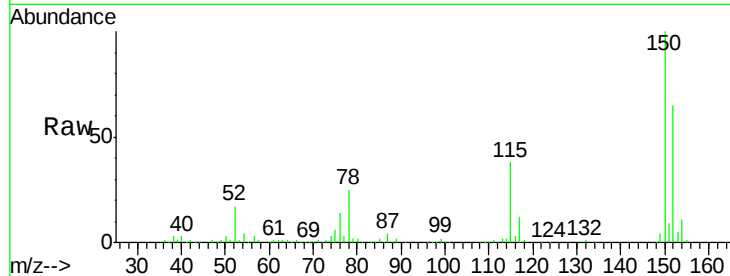




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.92 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: BF090594.D
 Acq: 15 Oct 2016 8:29

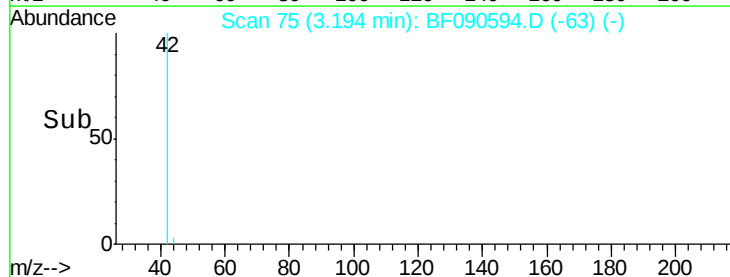
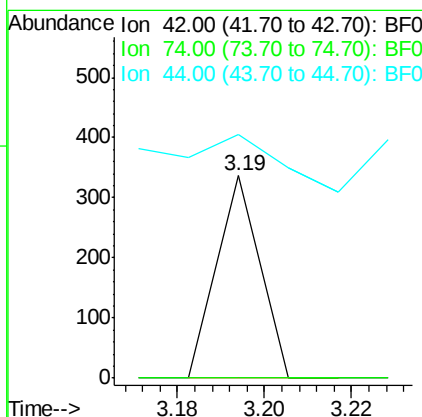
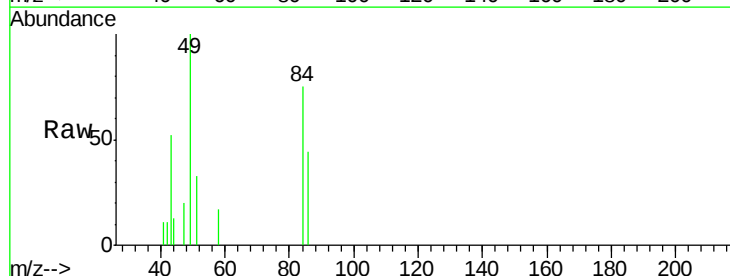
Instrument :
 BNA_F
 ClientSampleId :
 4

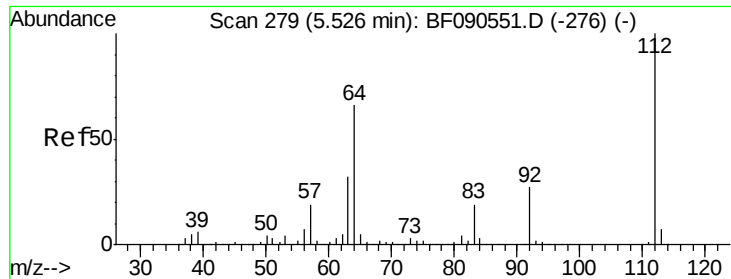
Tgt Ion: 152 Resp: 229849
 Ion Ratio Lower Upper
 152 100
 150 154.0 127.2 190.8
 115 59.0 58.6 88.0



#4
 n-Nitrosodimethylamine
 Concen: 7.20 ng
 RT: 3.19 min Scan# 75
 Delta R.T. -0.07 min
 Lab File: BF090594.D
 Acq: 15 Oct 2016 8:29

Tgt Ion: 42 Resp: 231
 Ion Ratio Lower Upper
 42 100
 74 0.0 113.3 169.9#
 44 120.2 6.0 9.0#

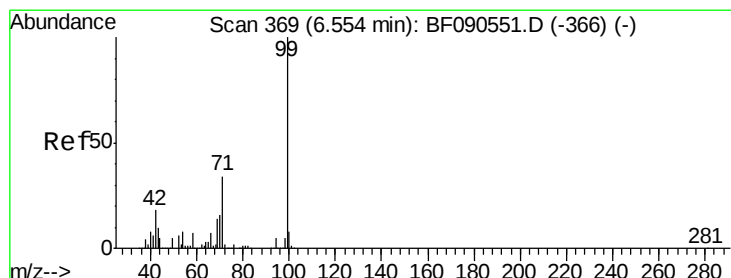
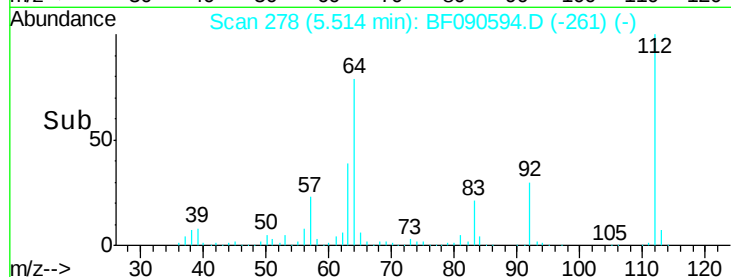
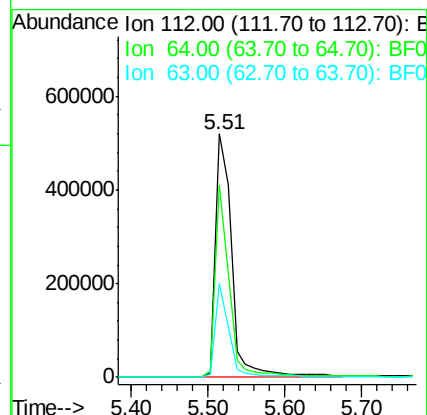
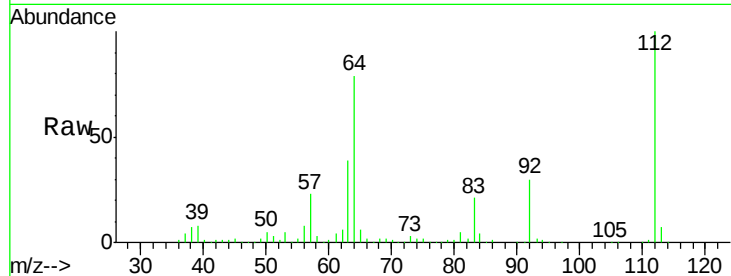




#5
2-Fluorophenol
Concen: 61.35 ng
RT: 5.51 min Scan# 278
Delta R.T. -0.01 min
Lab File: BF090594.D
Acq: 15 Oct 2016 8:29

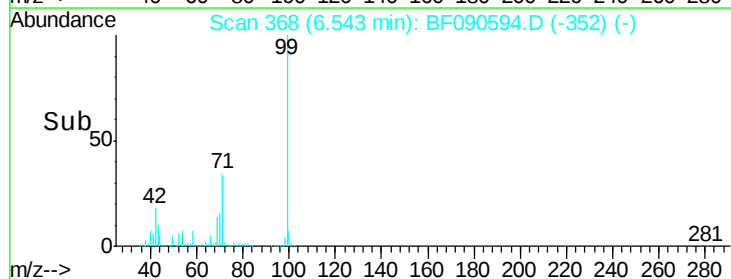
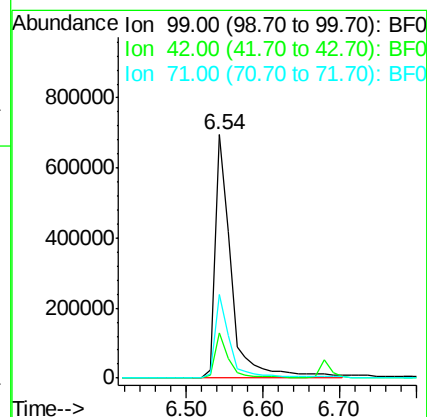
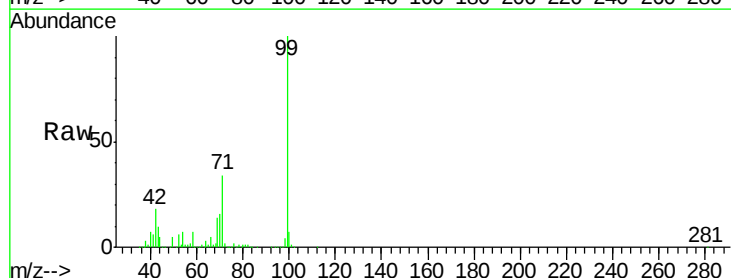
Instrument :
BNA_F
ClientSampleId :
4

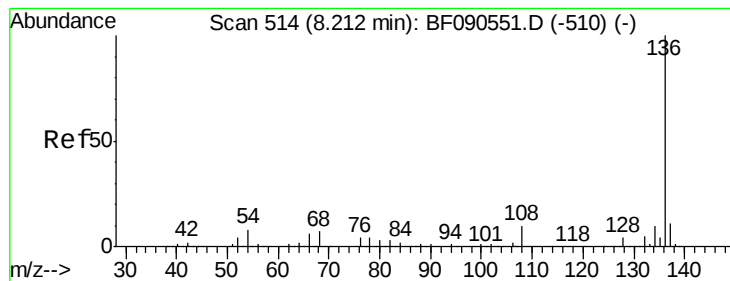
Tgt Ion: 112 Resp: 769250
Ion Ratio Lower Upper
112 100
64 79.1 52.6 78.8#
63 38.8 26.0 39.0



#7
Phenol-d6
Concen: 53.98 ng
RT: 6.54 min Scan# 368
Delta R.T. -0.01 min
Lab File: BF090594.D
Acq: 15 Oct 2016 8:29

Tgt Ion: 99 Resp: 1005581
Ion Ratio Lower Upper
99 100
42 18.3 14.7 22.1
71 34.1 27.6 41.4

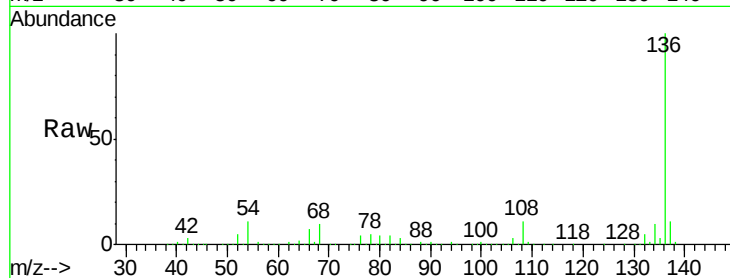




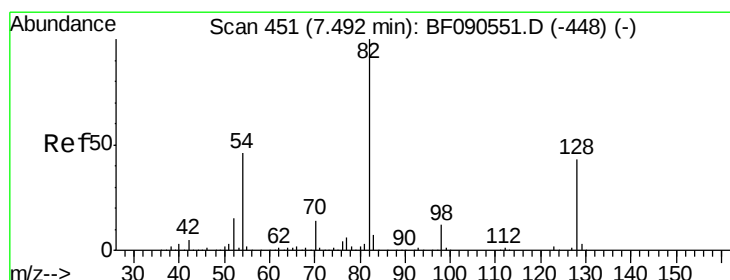
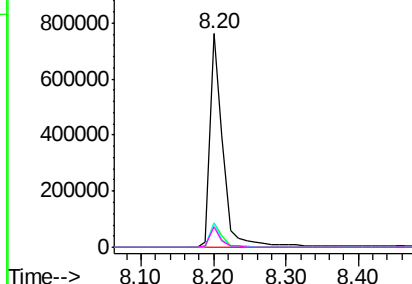
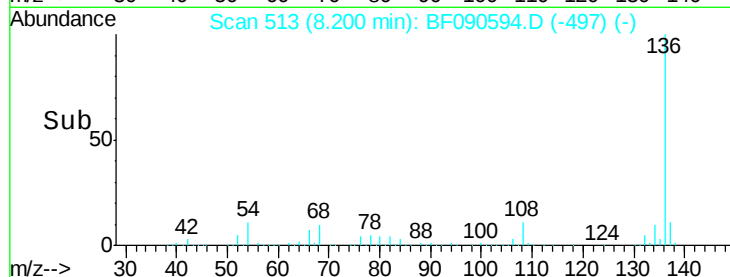
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 513
Delta R.T. -0.01 min
Lab File: BF090594.D
Acq: 15 Oct 2016 8:29

Instrument :
BNA_F
ClientSampled :
4

Tgt Ion:	136	Resp:	952906
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.8	13.2
54	11.3	6.8	10.2#
68	9.7	6.0	9.0#

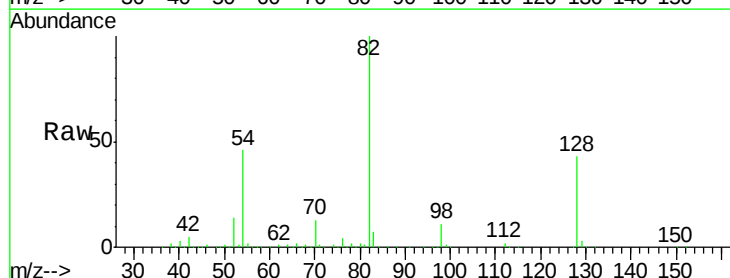


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

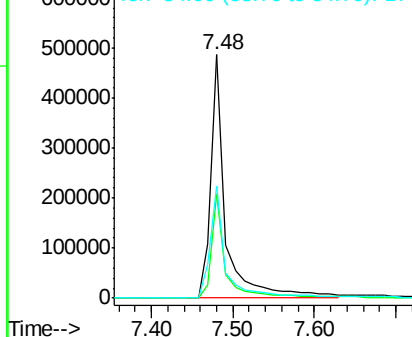
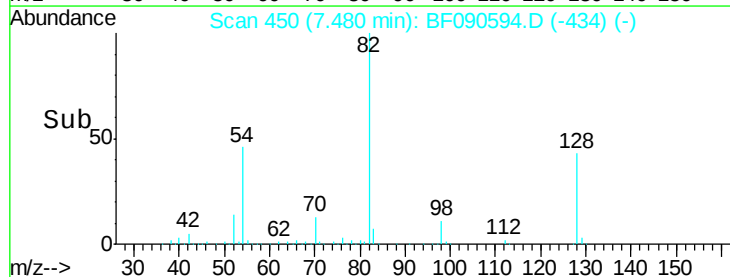


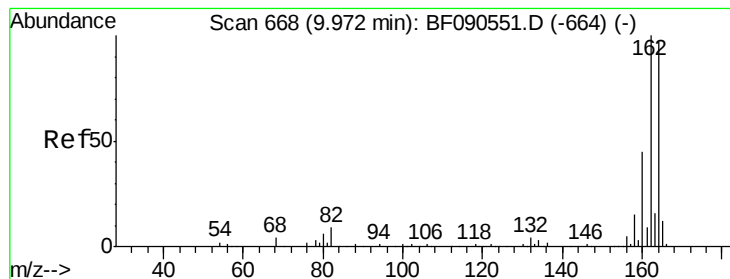
#23
Nitrobenzene-d5
Concen: 37.14 ng
RT: 7.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: BF090594.D
Acq: 15 Oct 2016 8:29

Tgt Ion:	82	Resp:	637041
Ion Ratio	Lower	Upper	
82	100		
128	42.6	34.3	51.5
54	46.0	37.0	55.6



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 667

Delta R.T. -0.01 min

Lab File: BF090594.D

Acq: 15 Oct 2016 8:29

Instrument :

BNA_F

ClientSampleId :

4

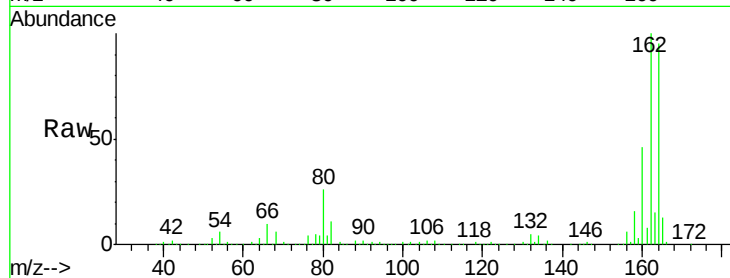
Tgt Ion:164 Resp: 479565

Ion Ratio Lower Upper

164 100

162 105.3 82.2 123.4

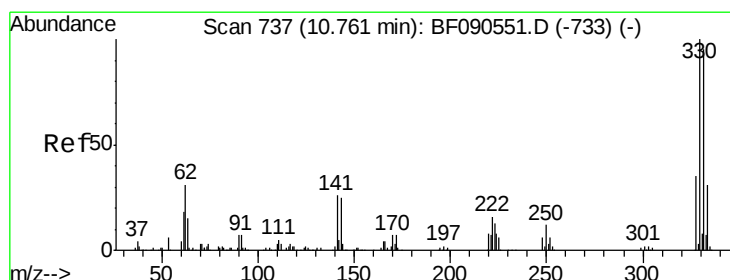
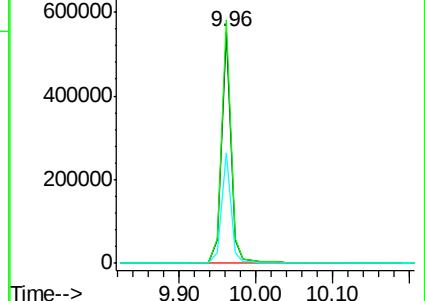
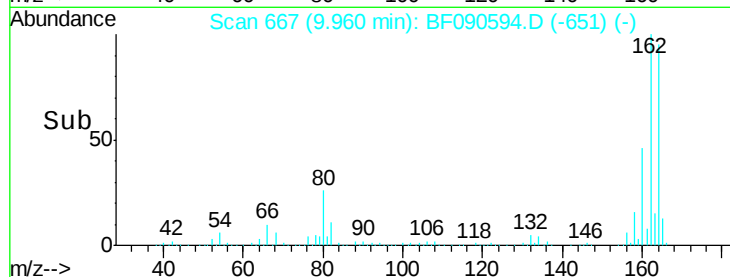
160 48.0 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 39.29 ng

RT: 10.75 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF090594.D

Acq: 15 Oct 2016 8:29

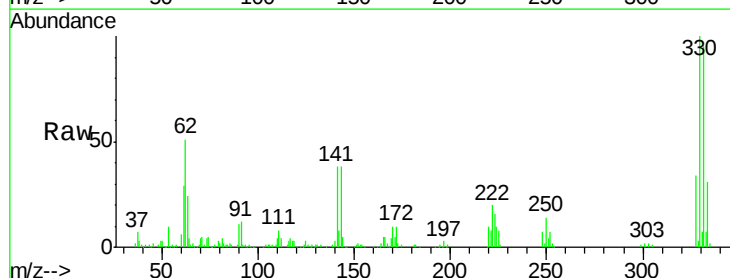
Tgt Ion:330 Resp: 167978

Ion Ratio Lower Upper

330 100

332 96.1 76.2 114.2

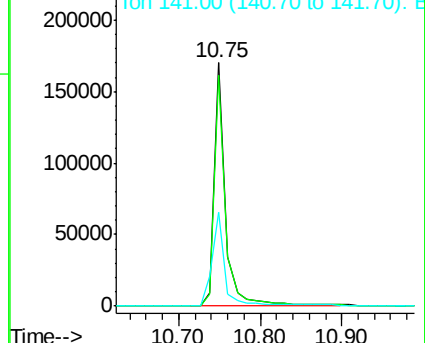
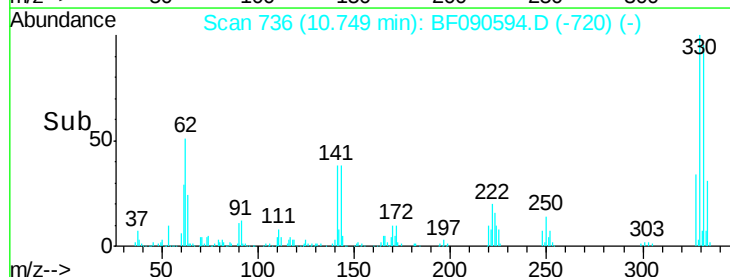
141 43.4 31.4 47.2

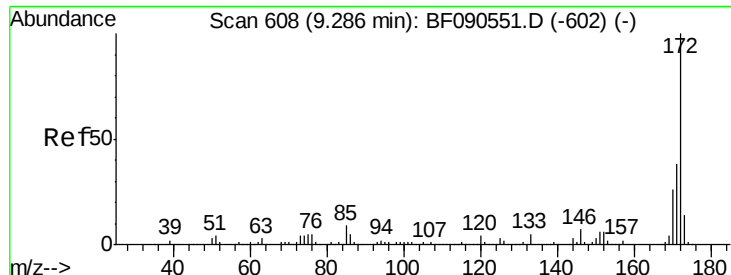


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

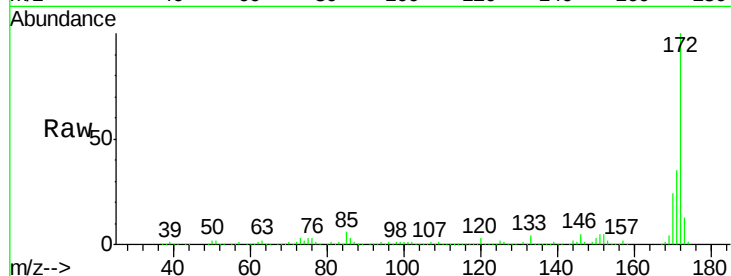




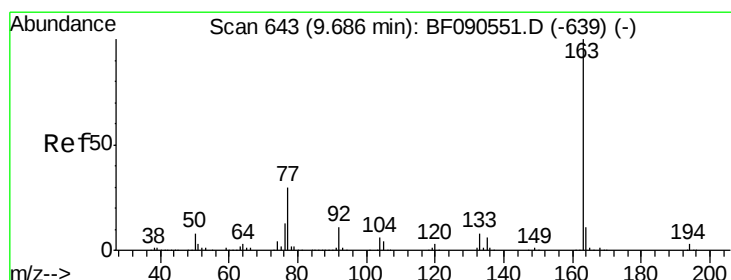
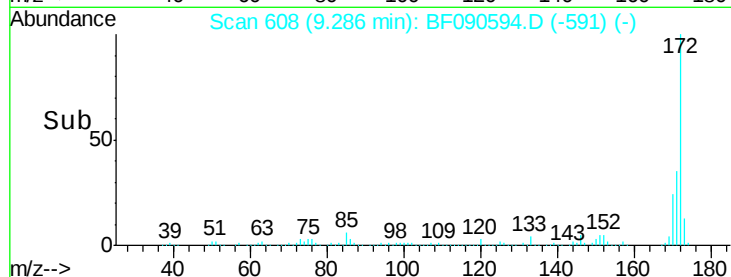
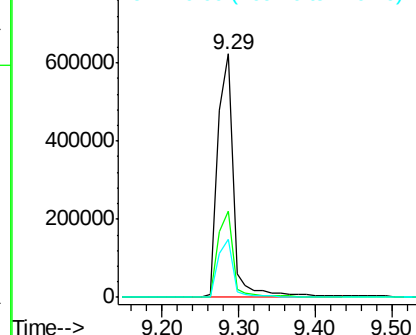
#44
 2-Fluorobiphenyl
 Concen: 30.49 ng
 RT: 9.29 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: BF090594.D
 Acq: 15 Oct 2016 8:29

Instrument :
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 ClientSampleId :
 4

Tgt Ion:172 Resp: 887412
 Ion Ratio Lower Upper
 172 100
 171 35.4 30.1 45.1
 170 23.9 20.6 30.8

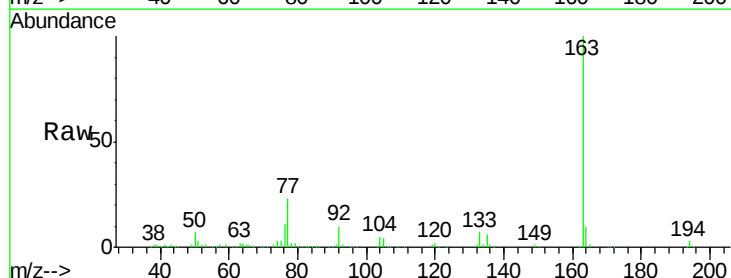


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

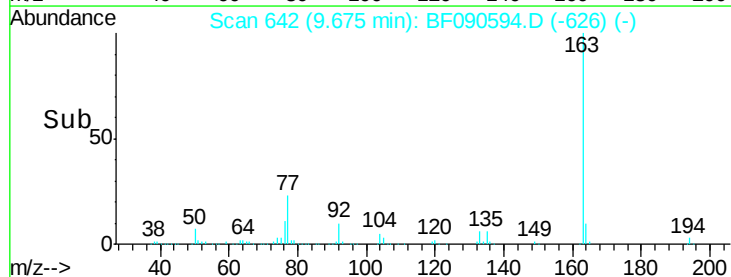
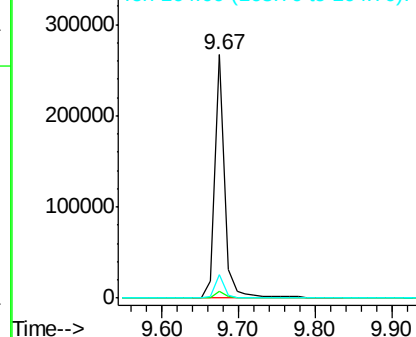


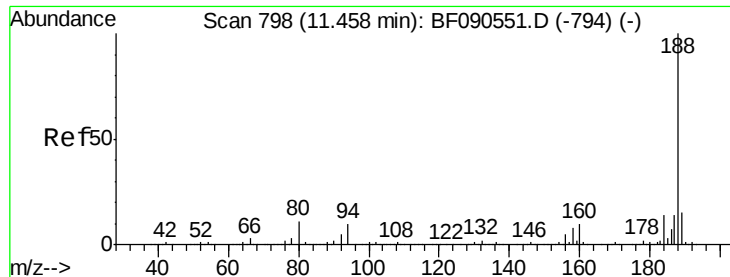
#49
 Dimethylphthalate
 Concen: 7.64 ng
 RT: 9.67 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF090594.D
 Acq: 15 Oct 2016 8:29

Tgt Ion:163 Resp: 237847
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.3 3.5
 164 9.7 8.6 13.0



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

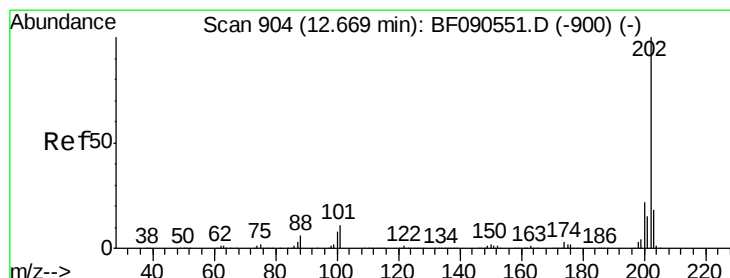
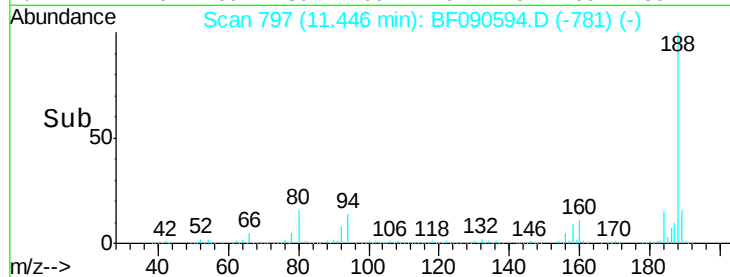
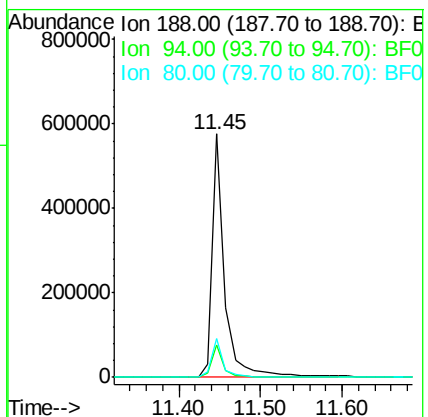
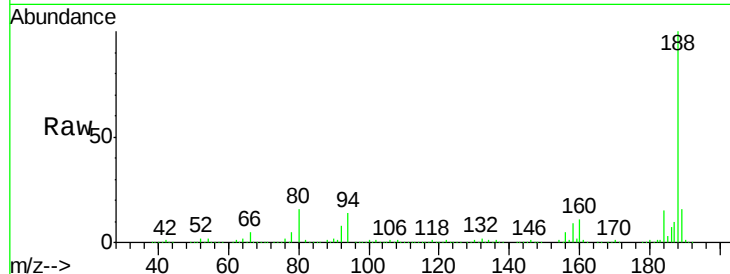




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF090594.D
Acq: 15 Oct 2016 8:29

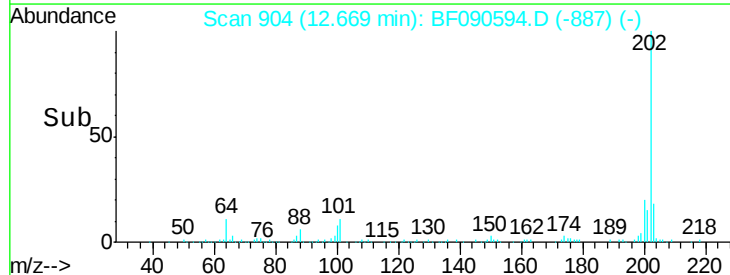
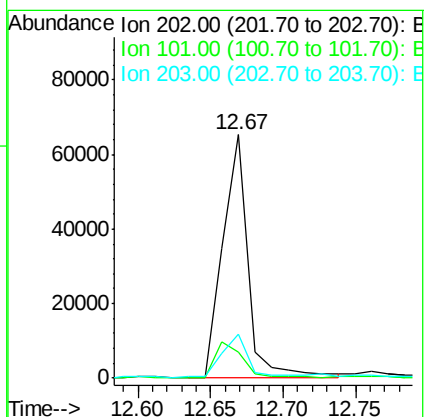
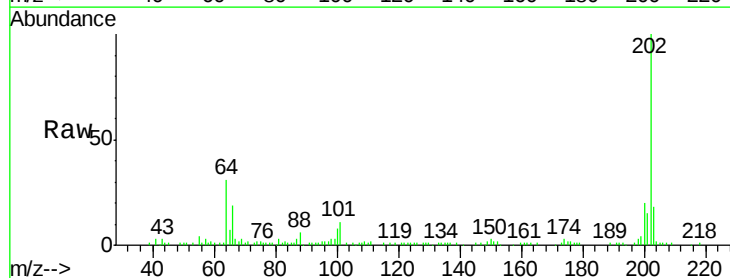
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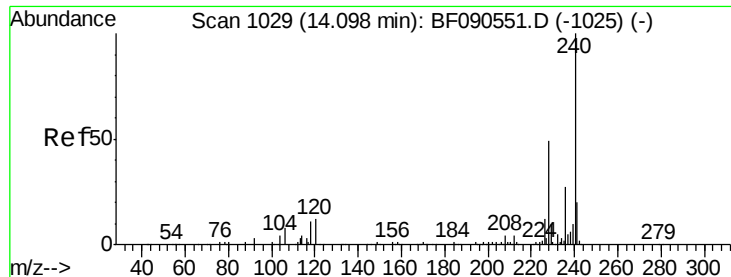
Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.6	7.7	11.5#
80	16.0	8.6	12.8#



#74
Fluoranthene
Concen: 2.35 ng
RT: 12.67 min Scan# 904
Delta R.T. -0.00 min
Lab File: BF090594.D
Acq: 15 Oct 2016 8:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.1
203	18.0	0.0	38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF090594.D

Acq: 15 Oct 2016 8:29

Instrument :

BNA_F

ClientSampleId :

4

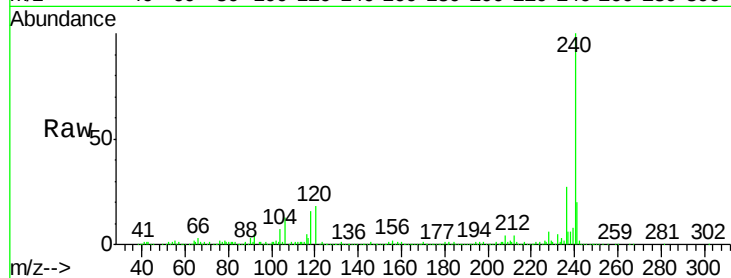
Tgt Ion:240 Resp: 465240

Ion Ratio Lower Upper

240 100

120 18.5 9.8 14.8#

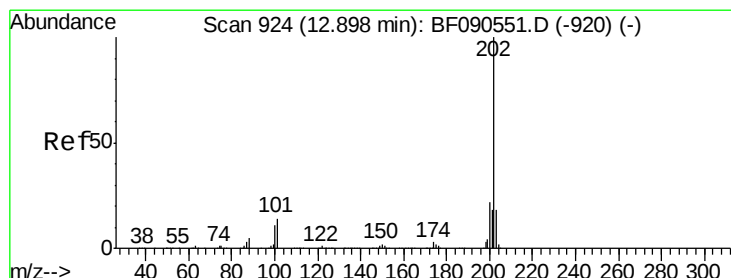
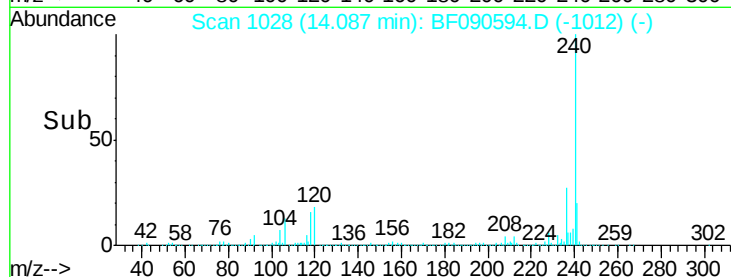
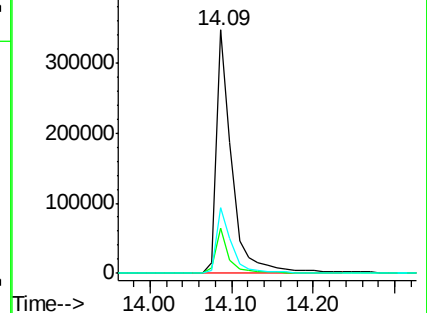
236 27.2 21.7 32.5



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: 2.34 ng

RT: 12.89 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF090594.D

Acq: 15 Oct 2016 8:29

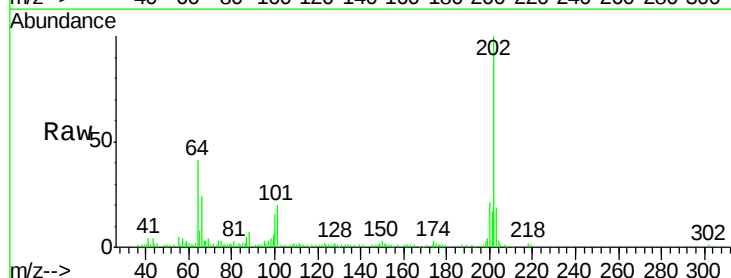
Tgt Ion:202 Resp: 72189

Ion Ratio Lower Upper

202 100

200 20.7 17.8 26.6

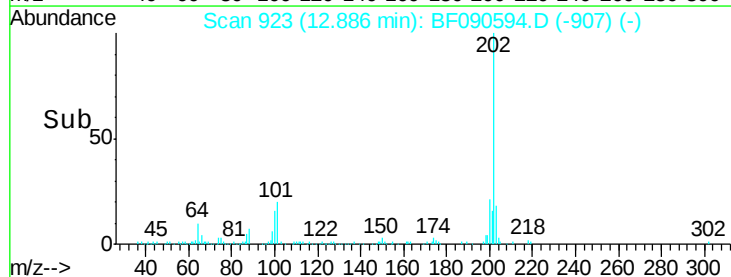
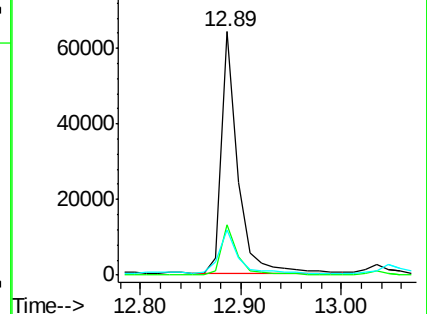
203 18.7 14.6 21.8

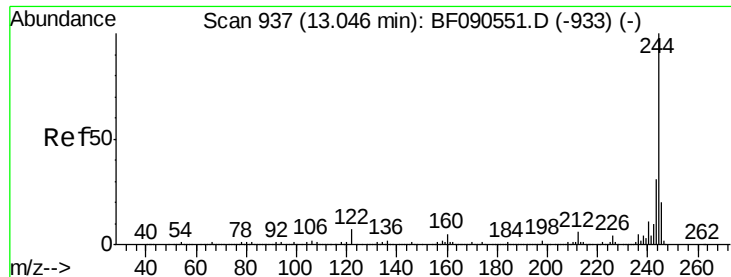


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

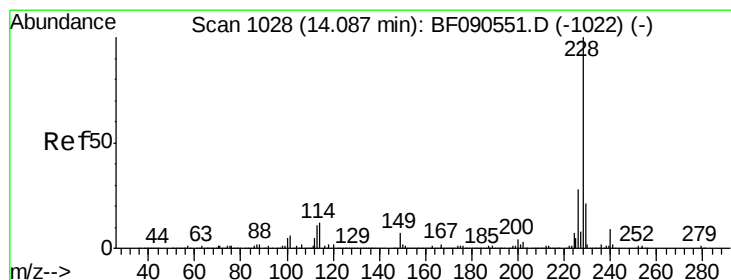
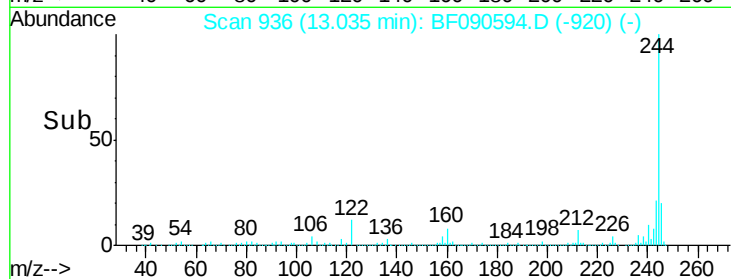
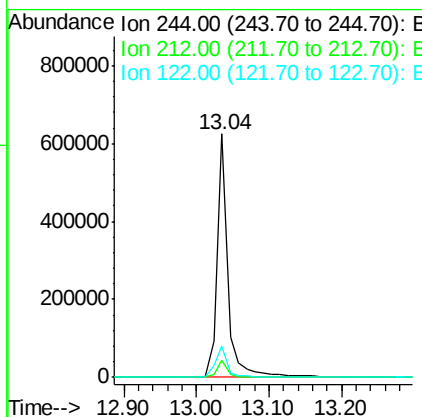
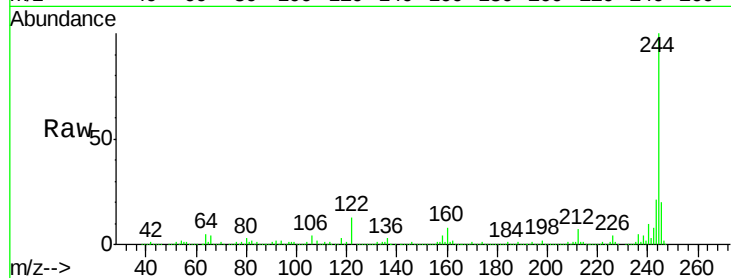




#78
 Terphenyl-d14
 Concen: 32.08 ng
 RT: 13.04 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: BF090594.D
 Acq: 15 Oct 2016 8:29

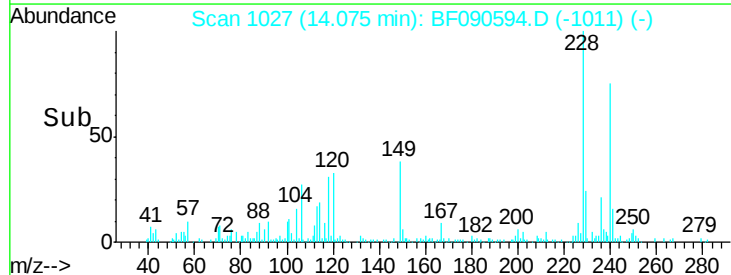
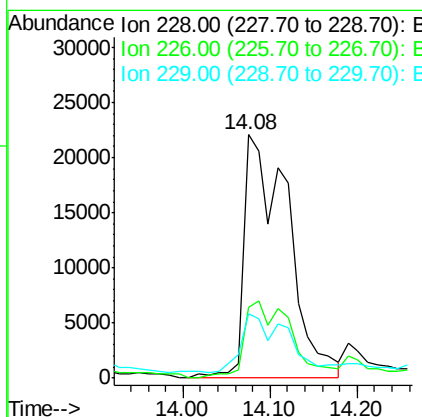
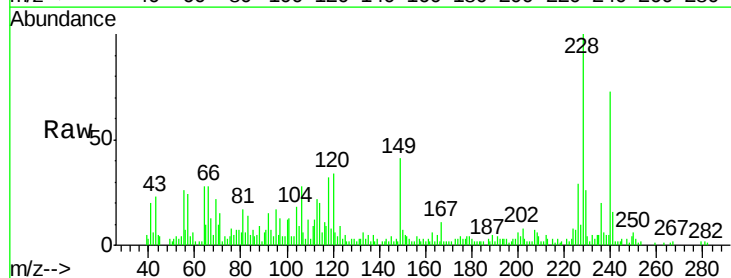
Instrument :
 BNA_F
 ClientSampleId :
 4

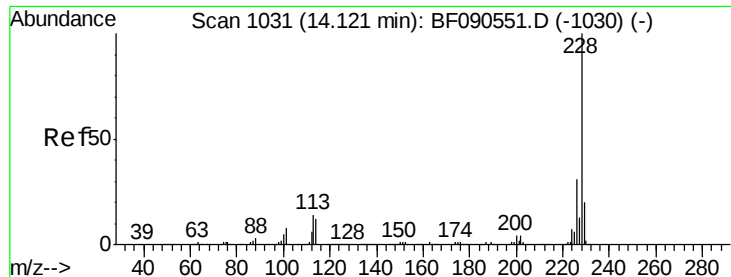
Tgt Ion: 244 Resp: 641040
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.0 7.4
 122 12.5 5.6 8.4#



#80
 Benzo(a)anthracene
 Concen: 2.92 ng
 RT: 14.08 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BF090594.D
 Acq: 15 Oct 2016 8:29

Tgt Ion: 228 Resp: 77234
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.8 34.2
 229 26.4 16.6 25.0#





#82

Chrysene

Concen: 3.03 ng

RT: 14.08 min Scan# 1027

Delta R.T. -0.05 min

Lab File: BF090594.D

Acq: 15 Oct 2016 8:29

Instrument :

BNA_F

ClientSampleId :

4

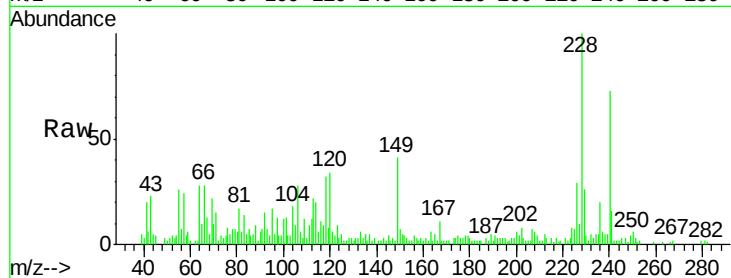
Tgt Ion:228 Resp: 77234

Ion Ratio Lower Upper

228 100

226 29.0 24.8 37.2

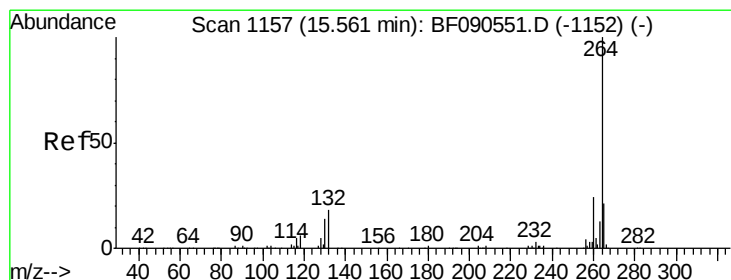
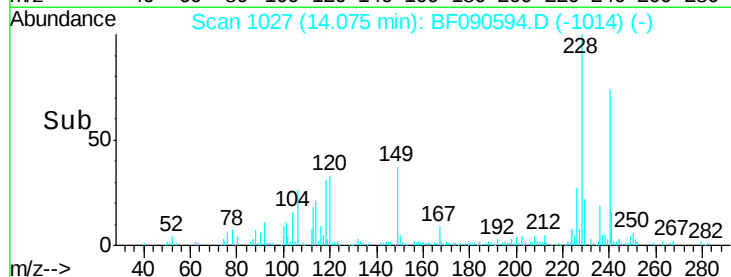
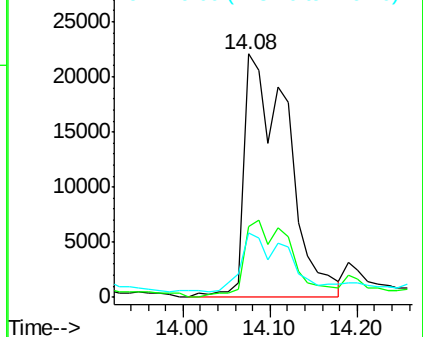
229 26.4 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.55 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF090594.D

Acq: 15 Oct 2016 8:29

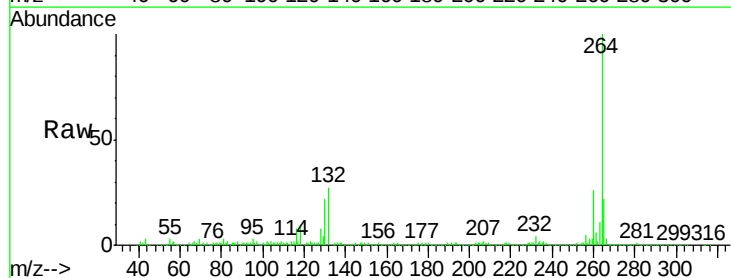
Tgt Ion:264 Resp: 410348

Ion Ratio Lower Upper

264 100

260 26.0 19.3 28.9

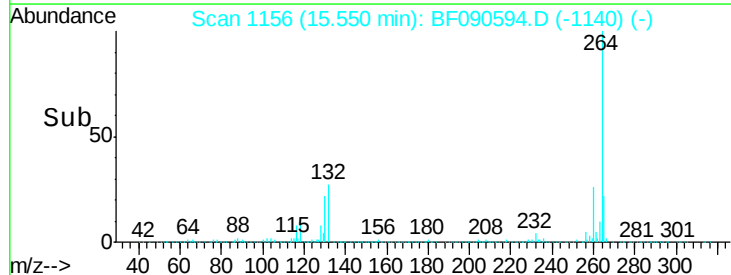
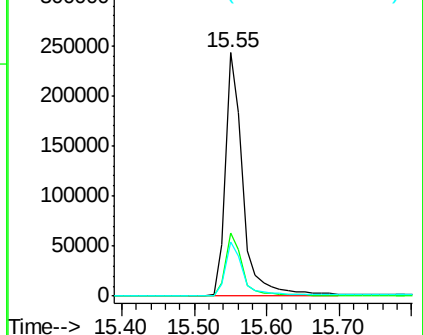
265 22.2 16.7 25.1

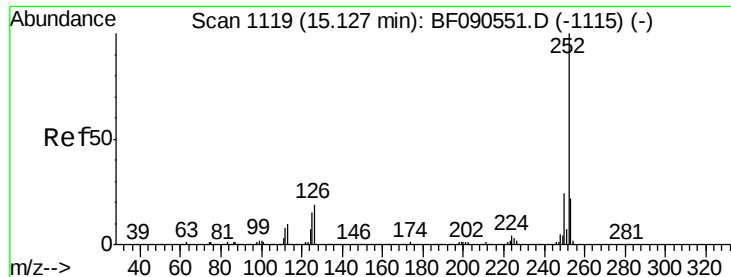


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.33 ng

RT: 15.13 min Scan# 1119

Delta R.T. -0.00 min

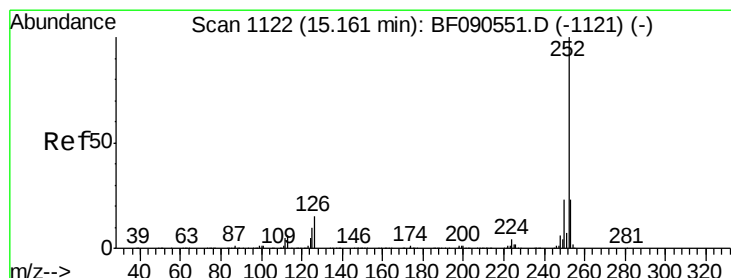
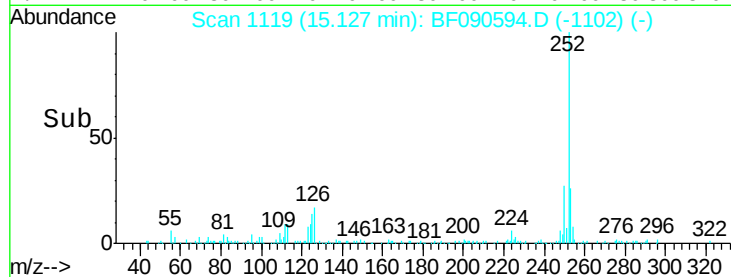
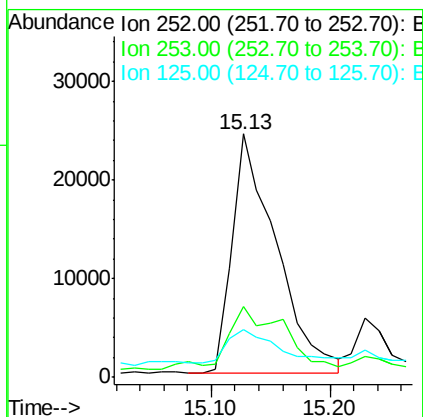
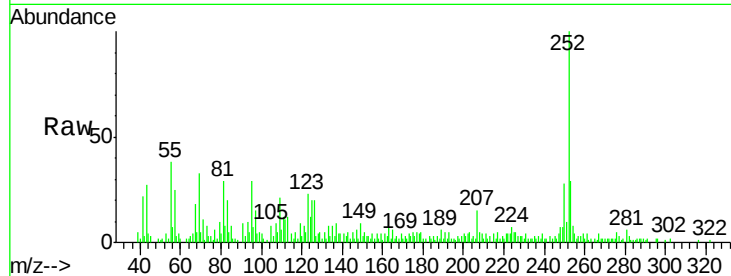
Lab File: BF090594.D

Acq: 15 Oct 2016 8:29

Instrument :
BNA_F
ClientSampleId :
4

Tgt Ion: 252 Resp: 62545

Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.8	26.8#
125	19.9	12.0	18.0#



#88

Benzo(k)fluoranthene

Concen: 2.16 ng

RT: 15.13 min Scan# 1119

Delta R.T. -0.03 min

Lab File: BF090594.D

Acq: 15 Oct 2016 8:29

Tgt Ion: 252 Resp: 62545

Ion	Ratio	Lower	Upper
252	100		
253	28.9	18.0	27.0#
125	19.9	10.0	15.0#

