

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102816\
 Data File : BF090905.D
 Acq On : 28 Oct 2016 13:00
 Operator : UM/SJ
 Sample : H5411-07 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 28 15:16:09 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

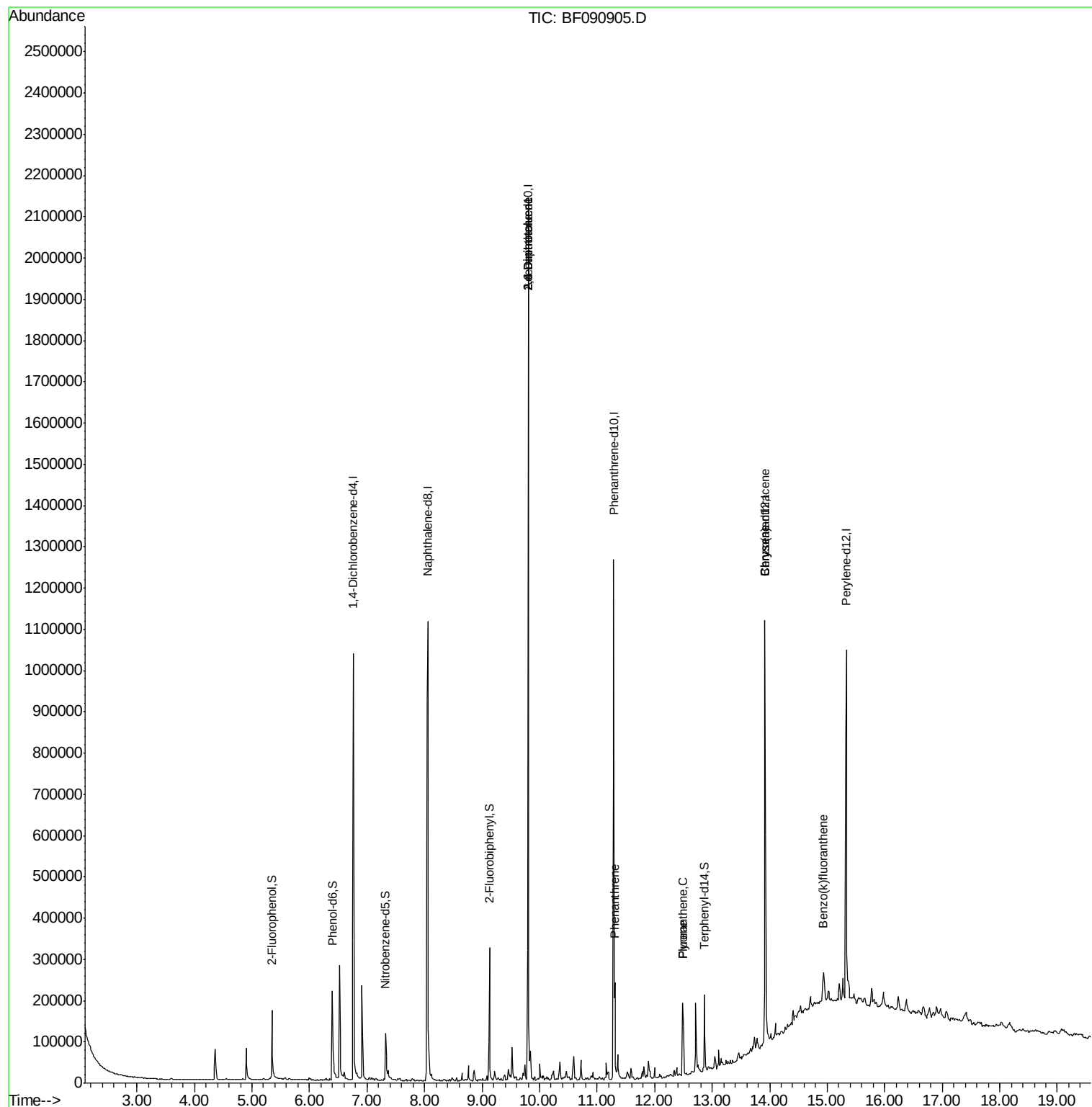
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	179882	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	743011	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	404123	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	561439	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	372607	20.00	ng	-0.03
86) Perylene-d12	15.33	264	411033	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	63024	6.13	ng	-0.02
7) Phenol-d6	6.40	99	114301	8.23	ng	-0.02
23) Nitrobenzene-d5	7.32	82	72303	6.37	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	6803	1.64	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	109748	4.77	ng	-0.02
78) Terphenyl-d14	12.87	244	58229	3.94	ng	-0.03
Target Compounds						
50) 2,6-Dinitrotoluene	9.80	165	53462	8.97	ng	# 38
56) 2,4-Dinitrotoluene	9.80	165	53466	7.22	ng	# 33
70) Phenanthrene	11.31	178	101619	3.55	ng	97
74) Fluoranthene	12.49	202	89996	2.87	ng	95
77) Pyrene	12.49	202	89996	3.82	ng	96
80) Benzo(a)anthracene	13.92	228	63638	3.22	ng	# 92
82) Chrysene	13.92	228	63638	3.18	ng	# 93
88) Benzo(k)fluoranthene	14.93	252	46180	2.11	ng	# 94

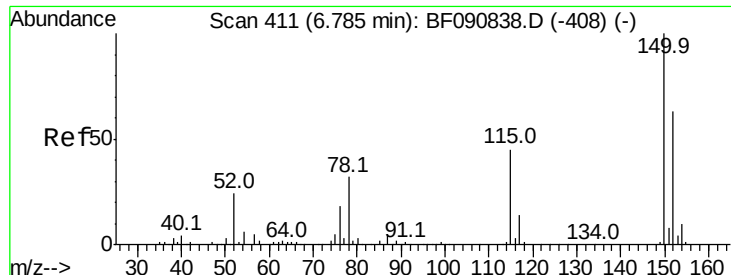
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF090905.D

Acq: 28 Oct 2016 13:00

Instrument :

BNA_F

ClientSampleId :

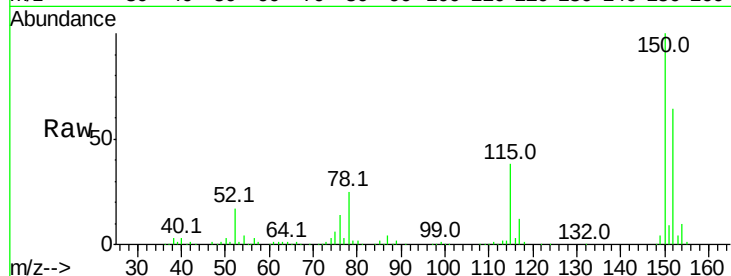
Tot Ion:152 Resp: 179882

Ion Ratio Lower Upper

152 100

150 156.5 124.7 187.1

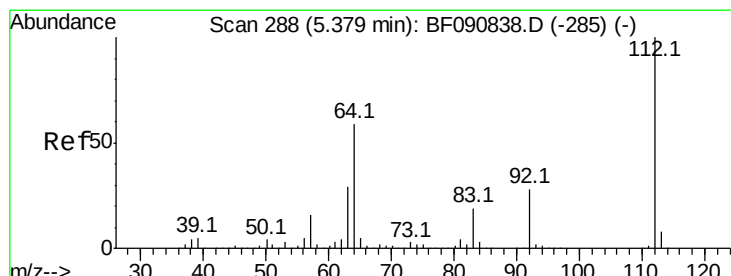
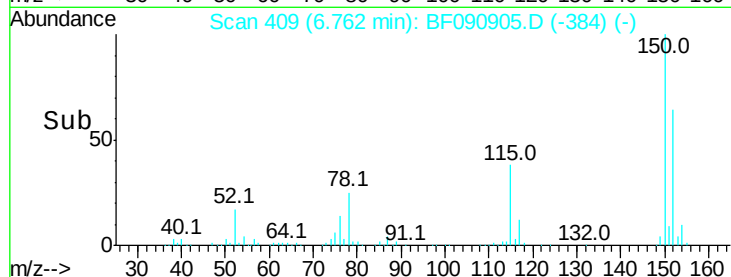
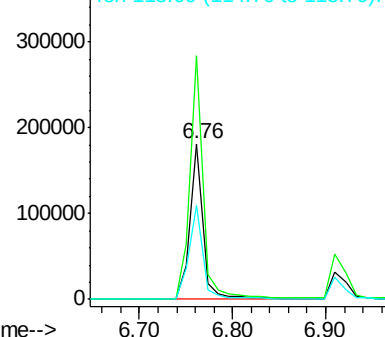
115 60.1 39.0 58.4#



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: 6.13 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF090905.D

Acq: 28 Oct 2016 13:00

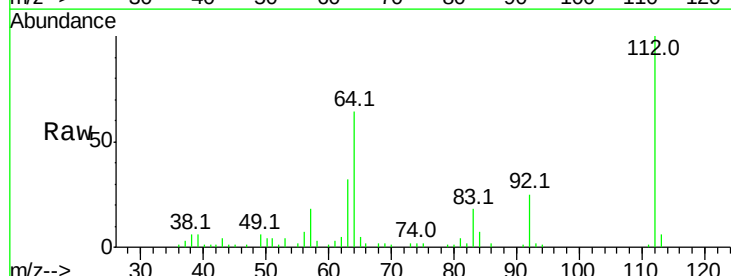
Tgt Ion:112 Resp: 63024

Ion Ratio Lower Upper

112 100

64 63.7 39.7 59.5#

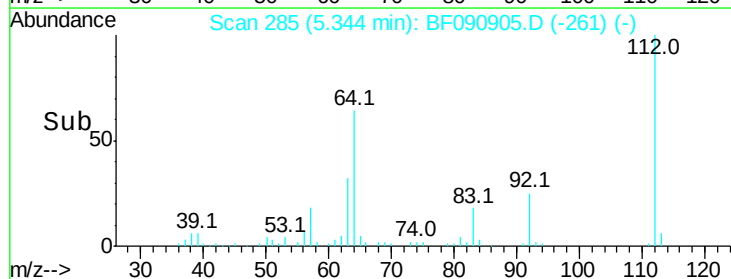
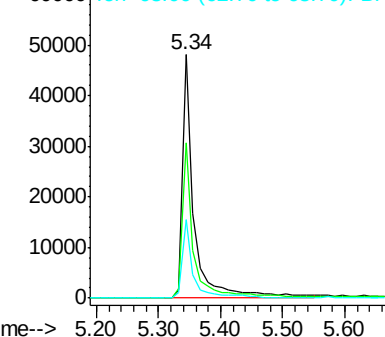
63 32.1 17.4 26.0#

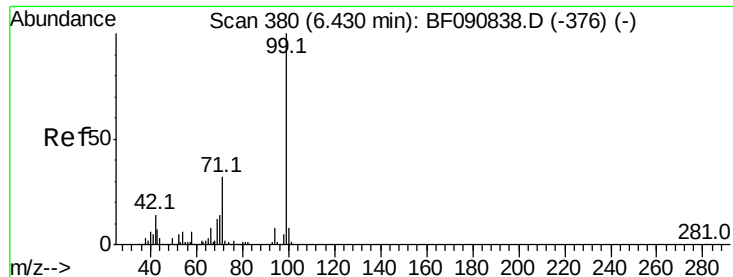


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 8.23 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF090905.D

Acq: 28 Oct 2016 13:00

Instrument :

BNA_F

ClientSampled :

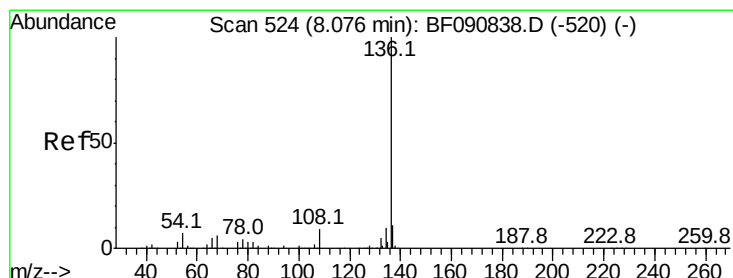
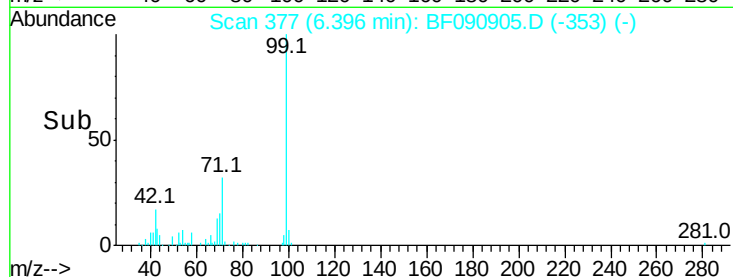
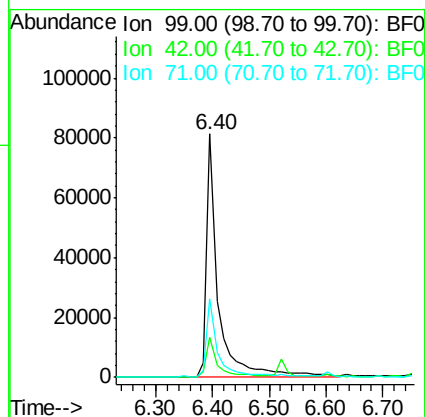
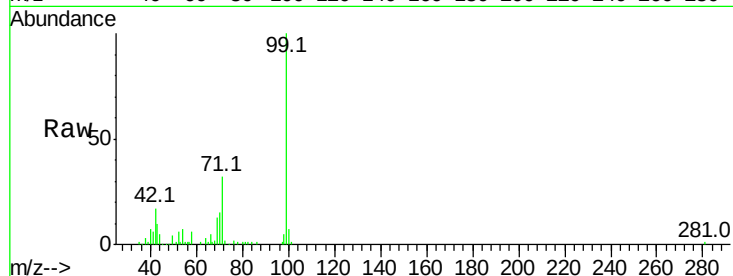
Tot Ion: 99 Resp: 114301

Ion Ratio Lower Upper

99 100

42 16.5 13.7 20.5

71 32.4 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF090905.D

Acq: 28 Oct 2016 13:00

Tgt Ion: 136 Resp: 743011

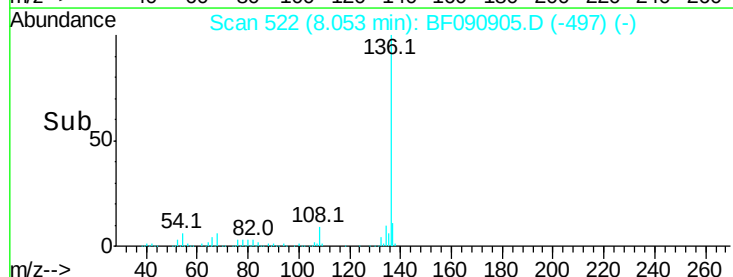
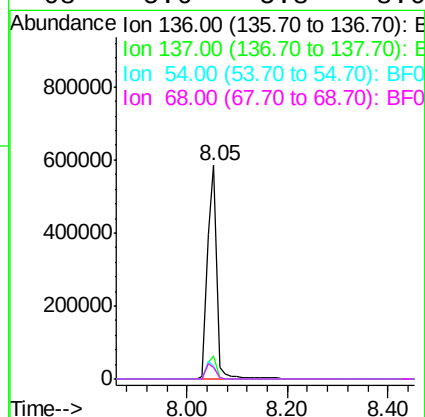
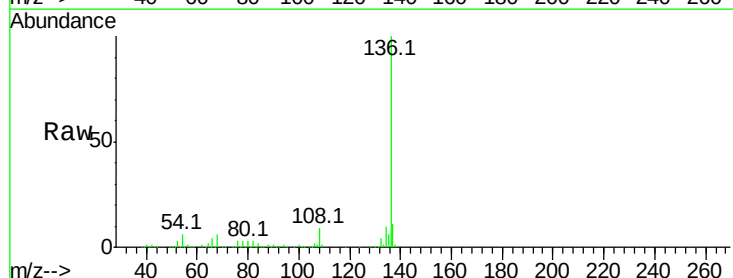
Ion Ratio Lower Upper

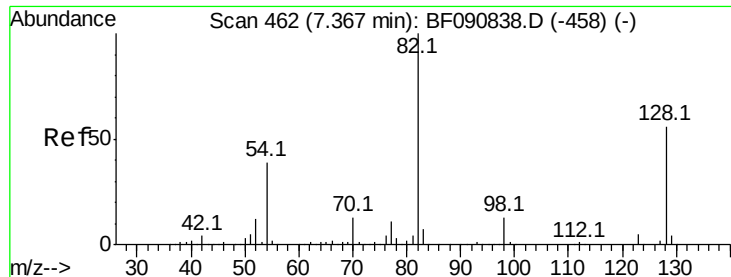
136 100

137 10.7 9.0 13.6

54 6.0 8.2 12.2#

68 5.6 5.8 8.6#

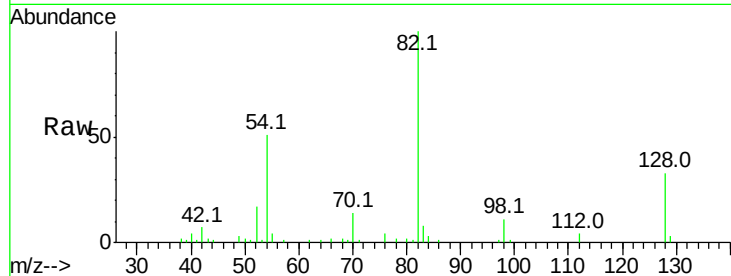




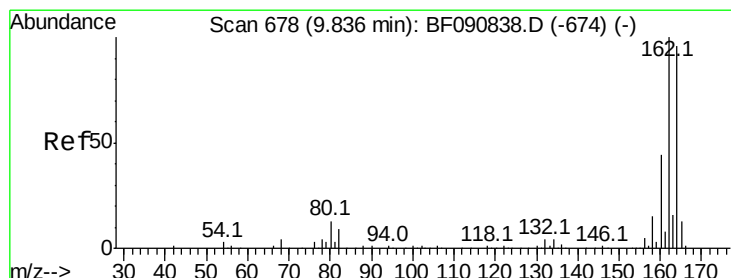
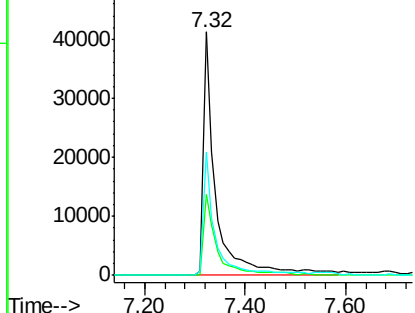
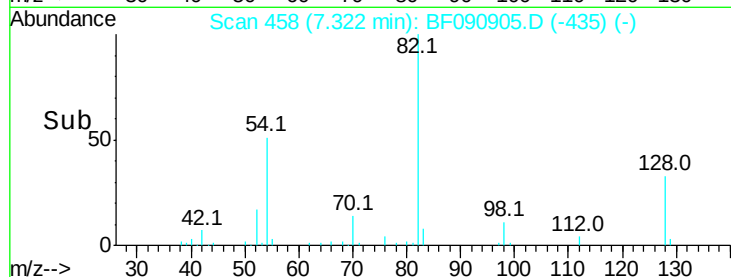
#23
 Nitrobenzene-d5
 Concen: 6.37 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.03 min
 Lab File: BF090905.D
 Acq: 28 Oct 2016 13:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 72303
 Ion Ratio Lower Upper
 82 100
 128 33.2 51.0 76.6#
 54 50.6 47.5 71.3

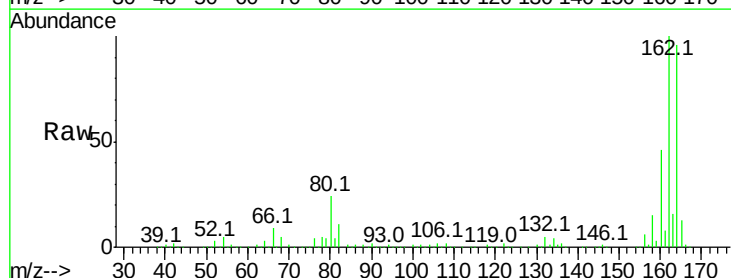


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

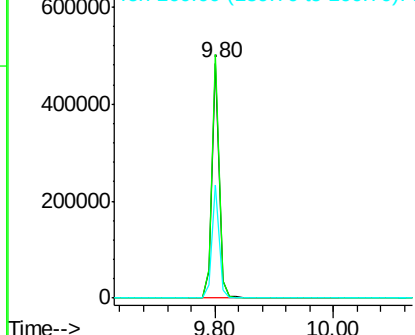
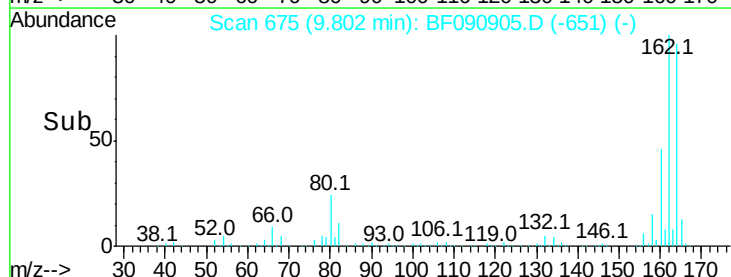


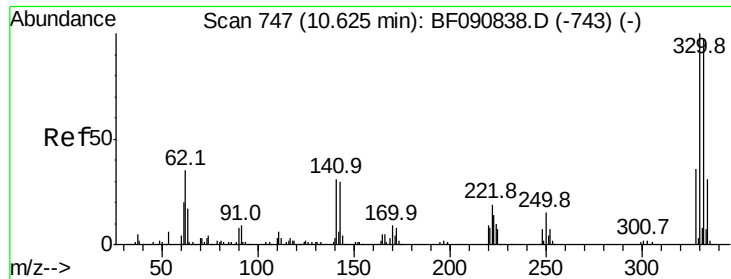
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF090905.D
 Acq: 28 Oct 2016 13:00

Tgt Ion:164 Resp: 404123
 Ion Ratio Lower Upper
 164 100
 162 103.7 75.2 112.8
 160 48.0 31.5 47.3#



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

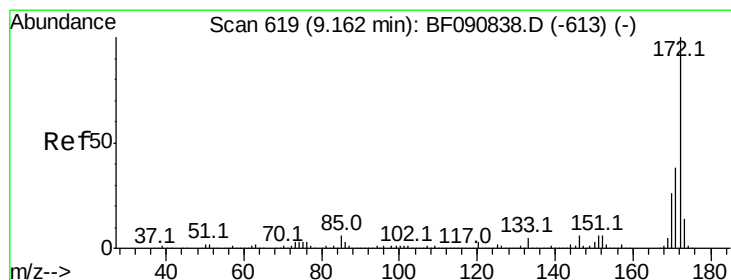
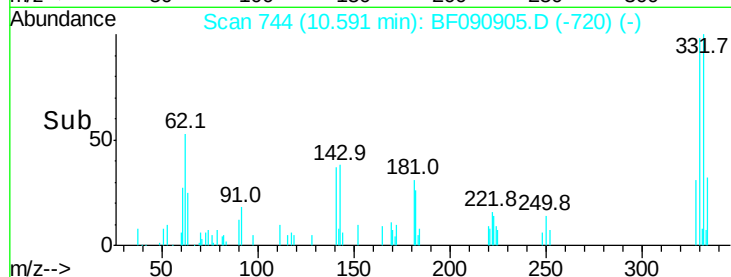
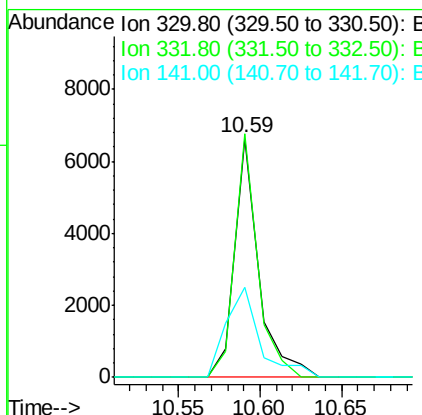
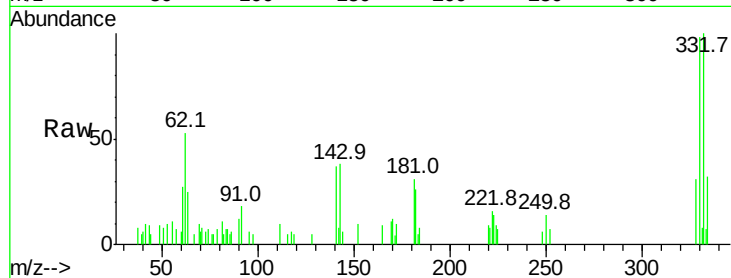




#41
 2,4,6-Tribromophenol
 Concen: 1.64 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF090905.D
 Acq: 28 Oct 2016 13:00

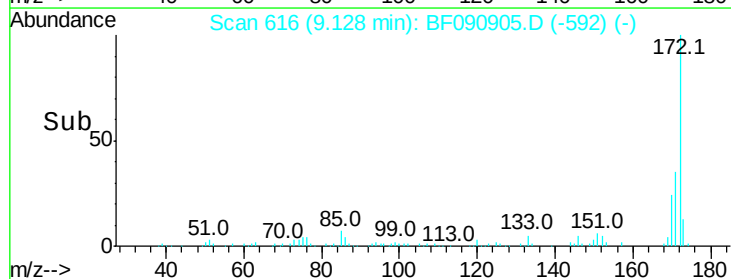
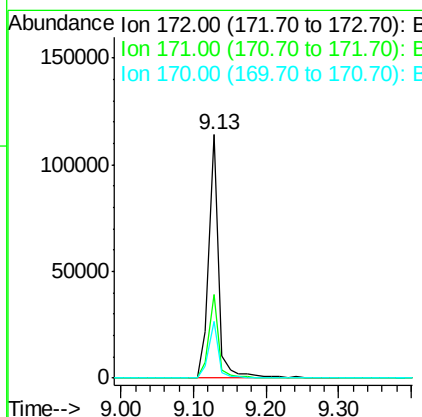
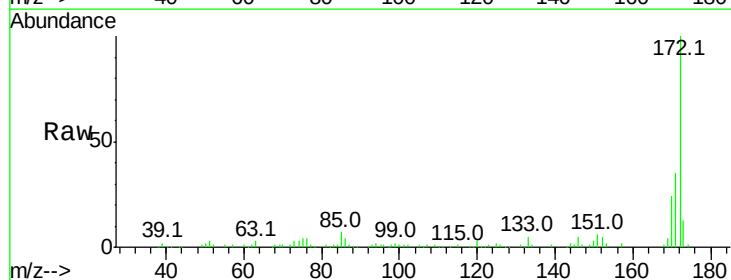
Instrument :
 BNA_F
 ClientSampled :

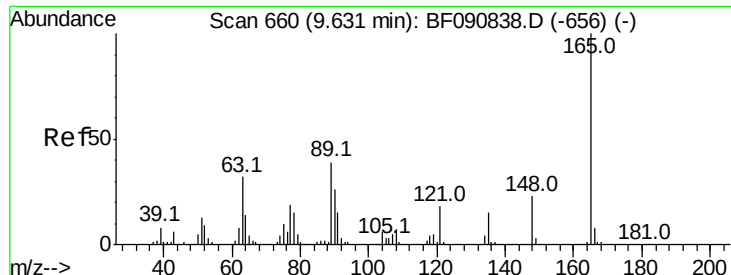
Tot Ion:330 Resp: 6803
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 114.8
 141 52.5 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 4.77 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF090905.D
 Acq: 28 Oct 2016 13:00

Tgt Ion:172 Resp: 109748
 Ion Ratio Lower Upper
 172 100
 171 34.5 26.1 39.1
 170 23.5 17.4 26.2

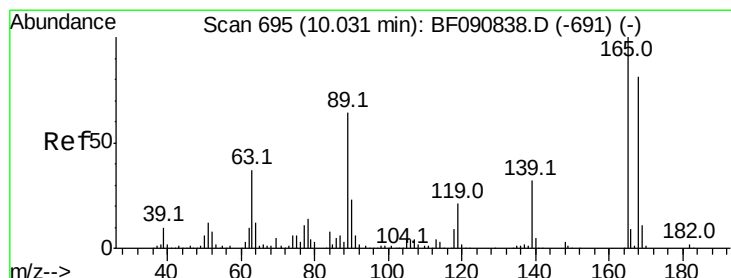
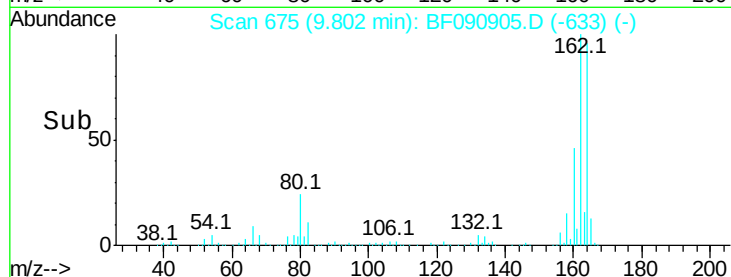
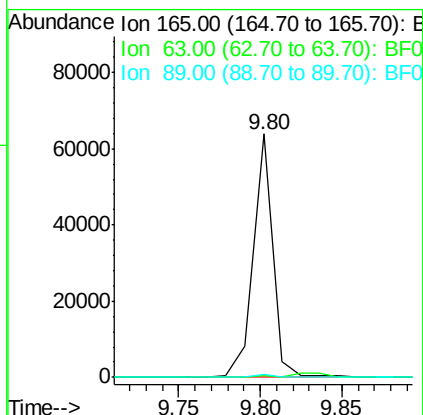
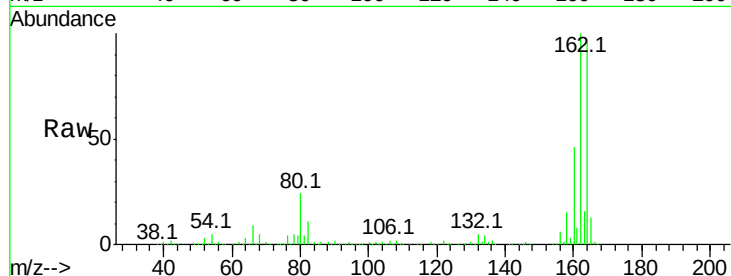




#50
2,6-Dinitrotoluene
Concen: 8.97 ng
RT: 9.80 min Scan# 675
Delta R.T. 0.18 min
Lab File: BF090905.D
Acq: 28 Oct 2016 13:00

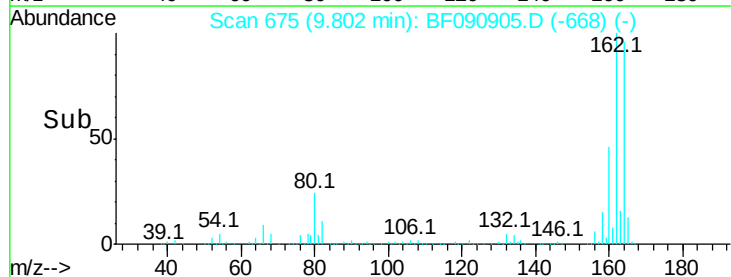
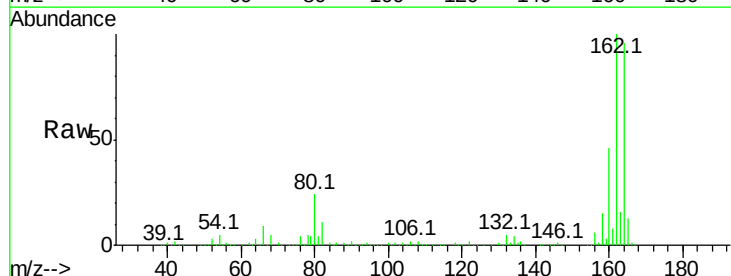
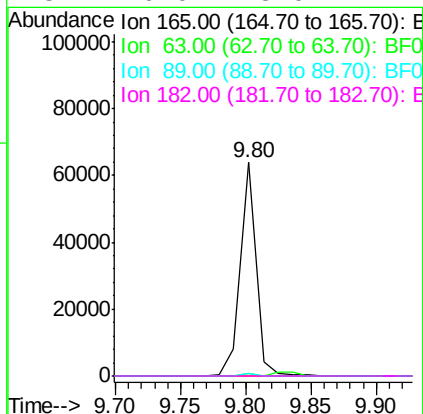
Instrument :
BNA_F
ClientSampleId :

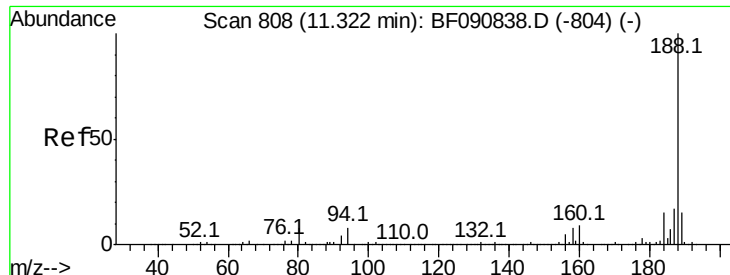
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	32.3	48.5#
89	1.0	28.6	43.0#



#56
2,4-Dinitrotoluene
Concen: 7.22 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.22 min
Lab File: BF090905.D
Acq: 28 Oct 2016 13:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.8	44.6#
89	1.0	44.5	66.7#
182	0.0	3.0	4.4#

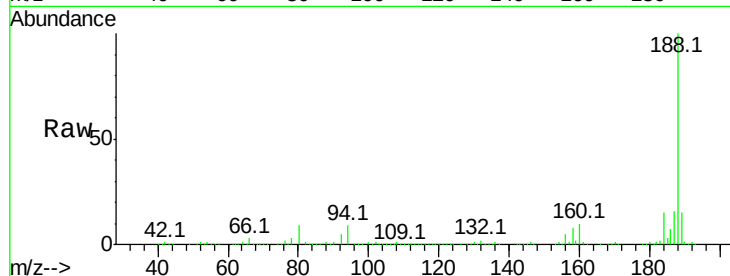




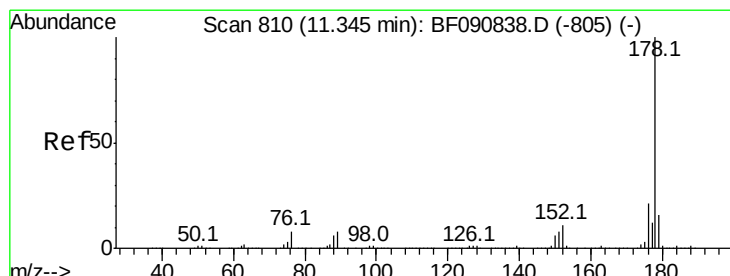
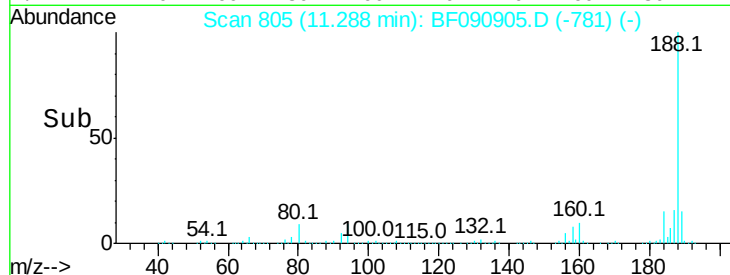
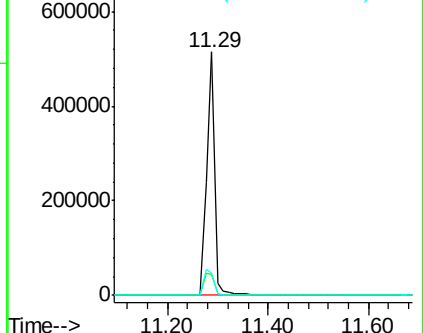
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF090905.D
 Acq: 28 Oct 2016 13:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 561439
 Ion Ratio Lower Upper
 188 100
 94 8.5 11.1 16.7#
 80 9.3 11.0 16.4#

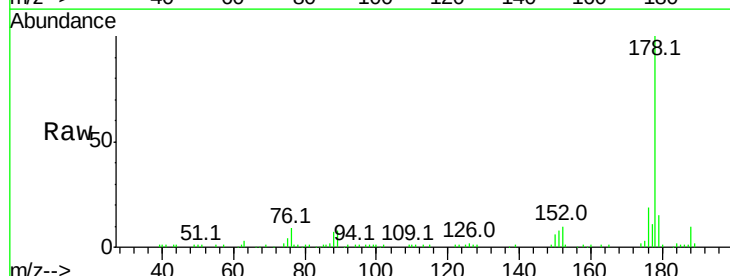


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

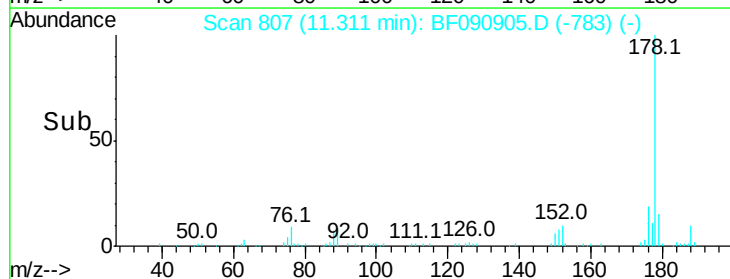
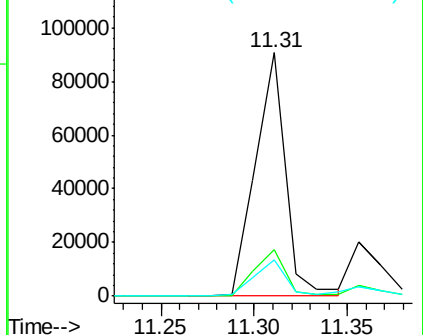


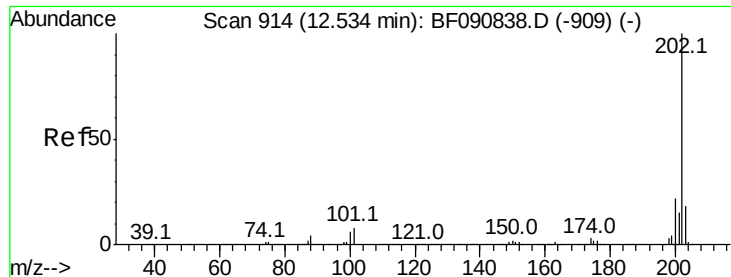
#70
 Phenanthrene
 Concen: 3.55 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.02 min
 Lab File: BF090905.D
 Acq: 28 Oct 2016 13:00

Tgt Ion:178 Resp: 101619
 Ion Ratio Lower Upper
 178 100
 176 19.2 13.8 20.8
 179 14.9 12.2 18.2



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

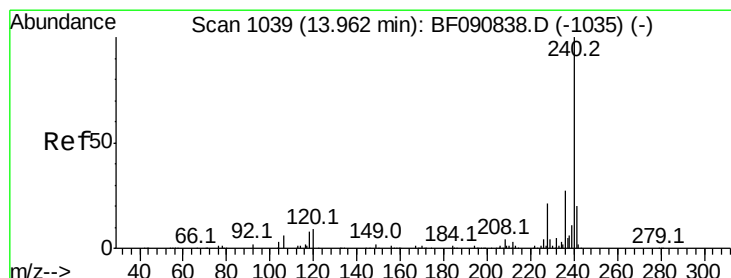
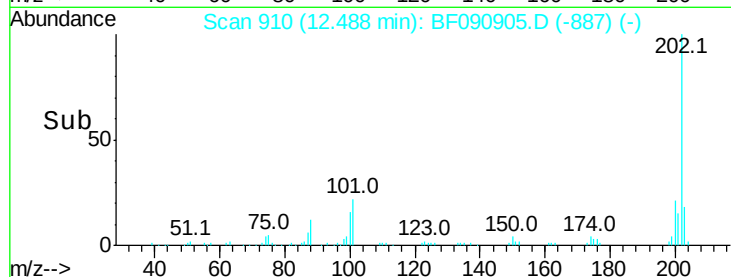
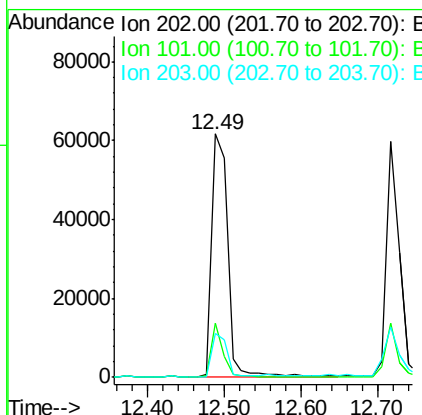
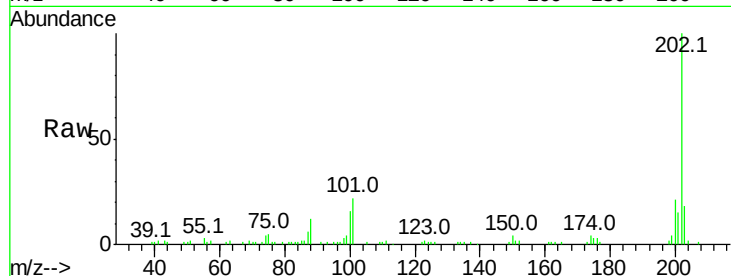




#74
 Fluoranthene
 Concen: 2.87 ng
 RT: 12.49 min Scan# 910
 Delta R.T. -0.03 min
 Lab File: BF090905.D
 Acq: 28 Oct 2016 13:00

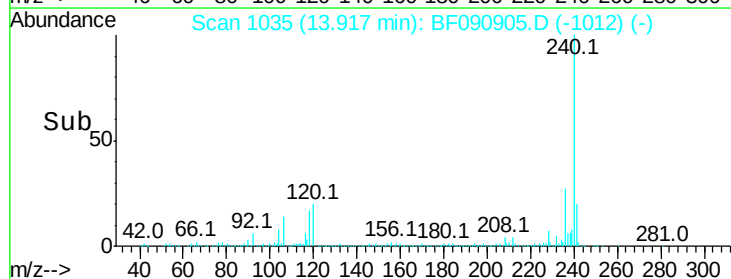
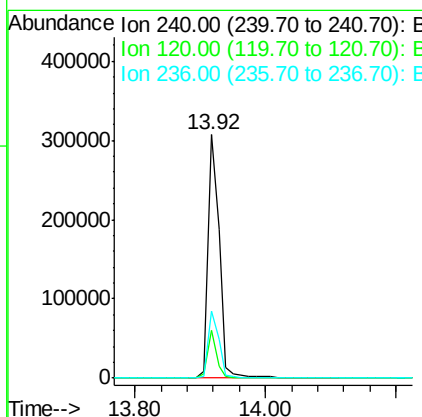
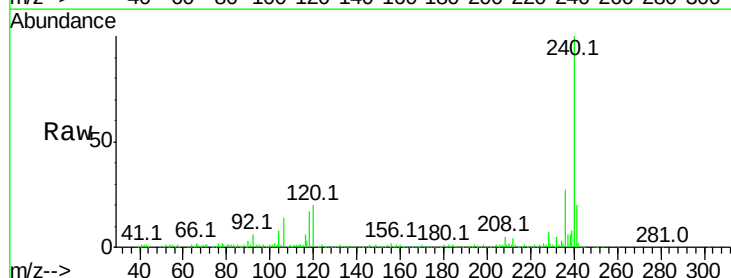
Instrument :
 BNA_F
 ClientSampleId :

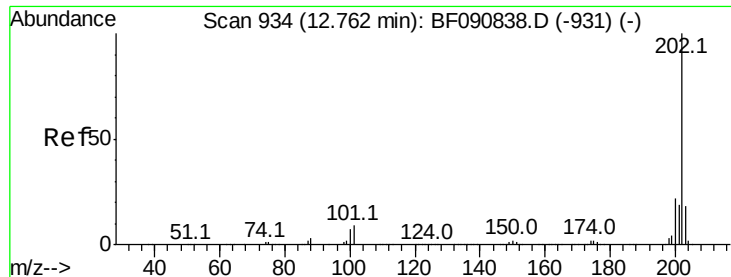
Tot Ion	Ratio	Lower	Upper
202	100		
101	22.1	0.0	38.3
203	18.2	0.0	37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.03 min
 Lab File: BF090905.D
 Acq: 28 Oct 2016 13:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.5	16.2	24.2
236	27.4	18.4	27.6

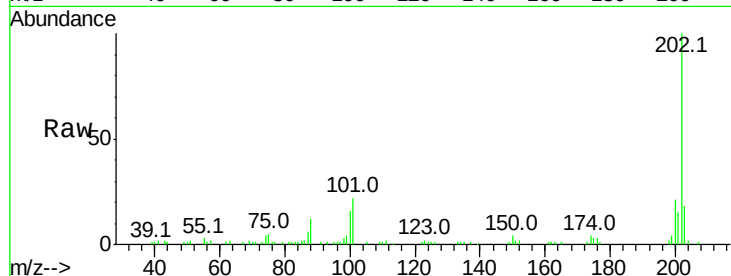




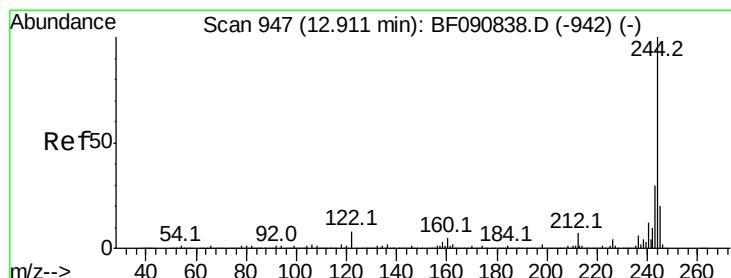
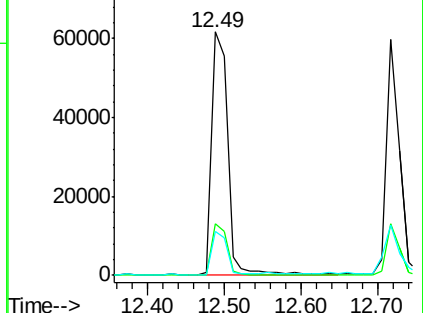
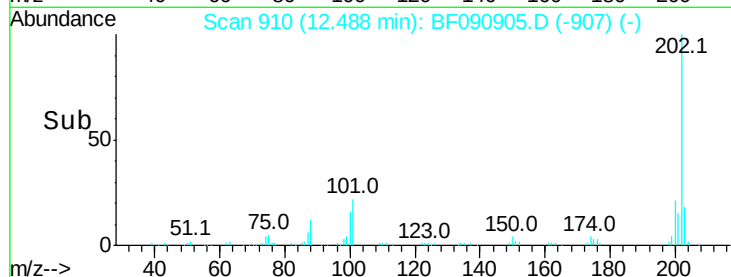
#77
 Pvrene
 Concen: 3.82 ng
 RT: 12.49 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF090905.D
 Acq: 28 Oct 2016 13:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 89996
 Ion Ratio Lower Upper
 202 100
 200 21.4 15.0 22.4
 203 18.2 14.1 21.1

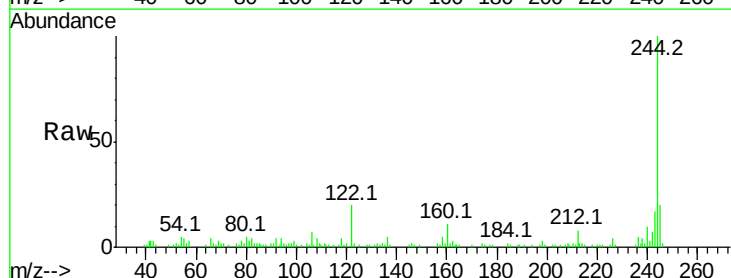


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

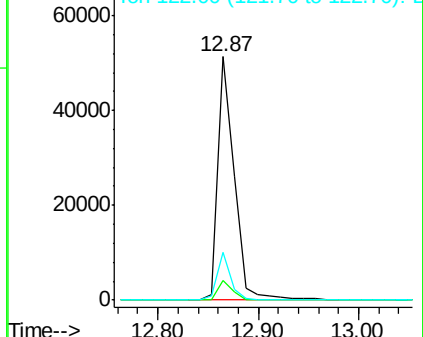
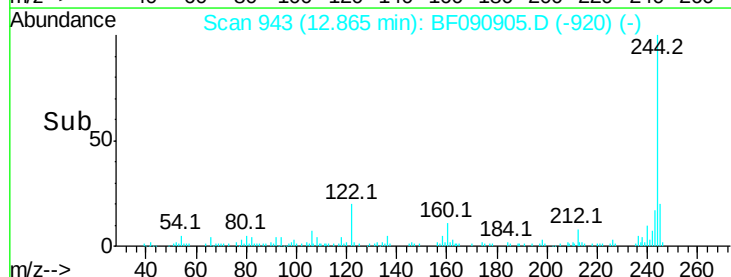


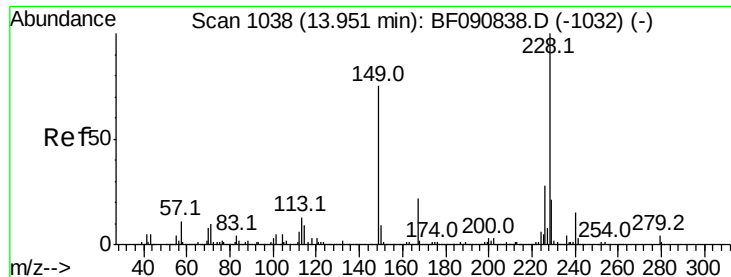
#78
 Terphenyl-d14
 Concen: 3.94 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.03 min
 Lab File: BF090905.D
 Acq: 28 Oct 2016 13:00

Tgt Ion:244 Resp: 58229
 Ion Ratio Lower Upper
 244 100
 212 8.2 4.3 6.5#
 122 19.7 17.4 26.2



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: 3.22 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF090905.D

Acq: 28 Oct 2016 13:00

Instrument :

BNA_F

ClientSampleId :

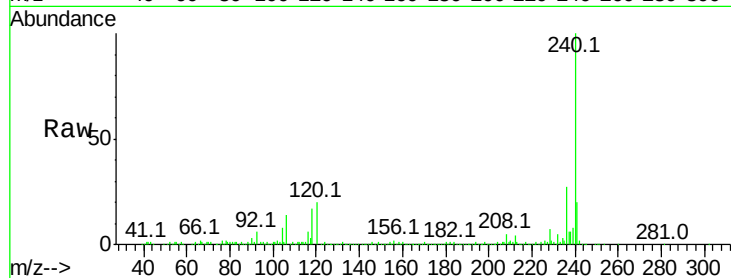
Tot Ion:228 Resp: 63638

Ion Ratio Lower Upper

228 100

226 28.2 20.0 30.0

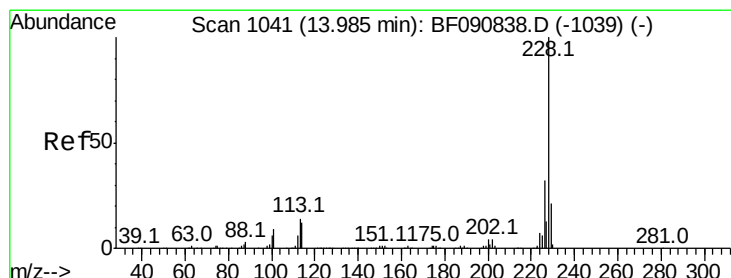
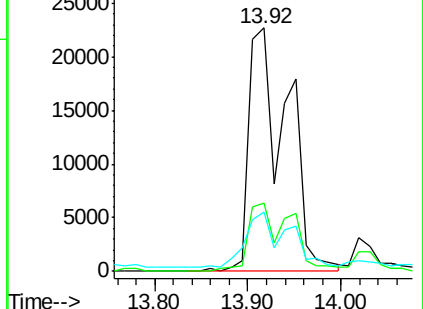
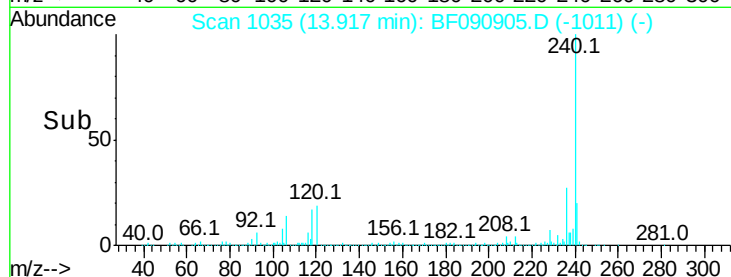
229 24.3 15.4 23.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.18 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF090905.D

Acq: 28 Oct 2016 13:00

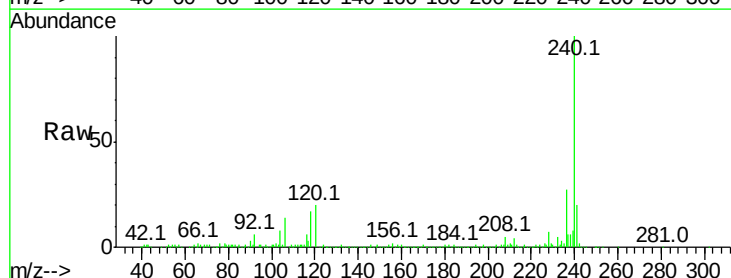
Tgt Ion:228 Resp: 63638

Ion Ratio Lower Upper

228 100

226 28.2 21.0 31.4

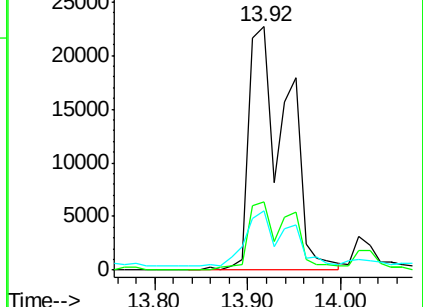
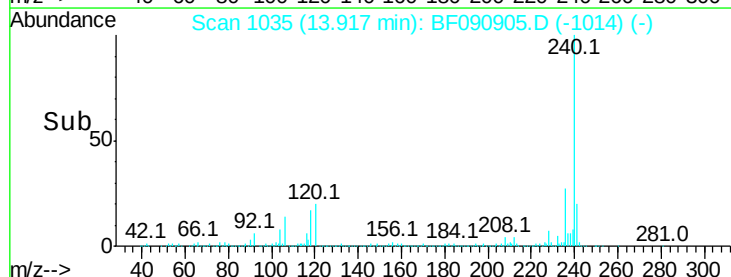
229 24.3 15.6 23.4#

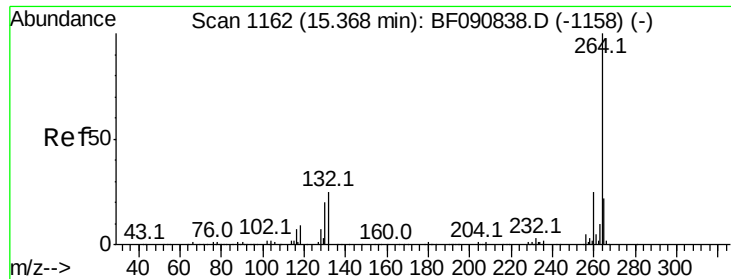


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



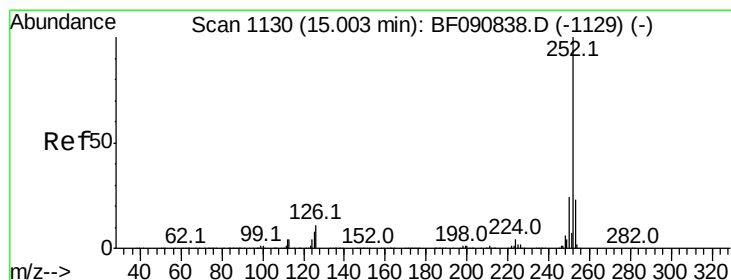
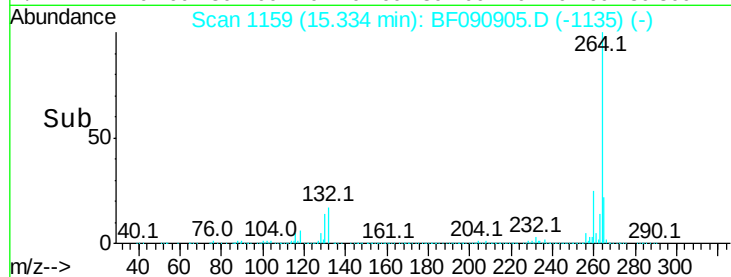
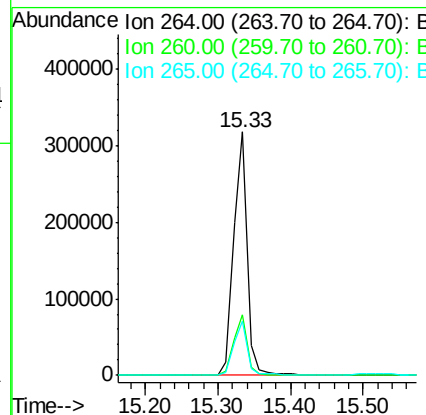
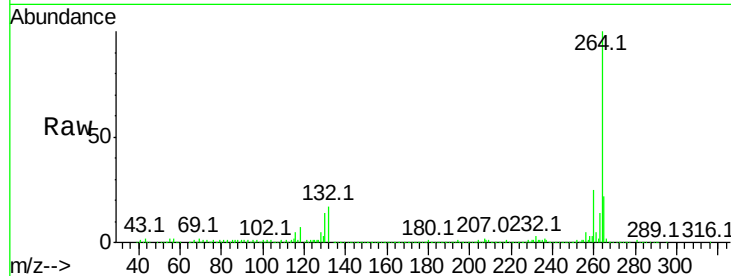


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF090905.D
Acq: 28 Oct 2016 13:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 411033

Ion	Ratio	Lower	Upper
264	100		
260	24.6	16.7	25.1
265	22.0	17.2	25.8



#88
Benzo(k)fluoranthene
Concen: 2.11 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.06 min
Lab File: BF090905.D
Acq: 28 Oct 2016 13:00

Tgt Ion:252 Resp: 46180

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.0	25.4#
125	20.6	16.0	24.0

