

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102816\
 Data File : BF090906.D
 Acq On : 28 Oct 2016 13:27
 Operator : UM/SJ
 Sample : H5423-07 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 28 15:16:40 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	166447	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	668366	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	364881	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	498564	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	378178	20.00	ng	-0.03
86) Perylene-d12	15.33	264	410654	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	450366	47.31	ng	-0.02
7) Phenol-d6	6.40	99	705940	54.96	ng	-0.02
23) Nitrobenzene-d5	7.32	82	436368	42.74	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	79010	21.07	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	694924	33.44	ng	-0.02
78) Terphenyl-d14	12.88	244	458843	30.57	ng	-0.02

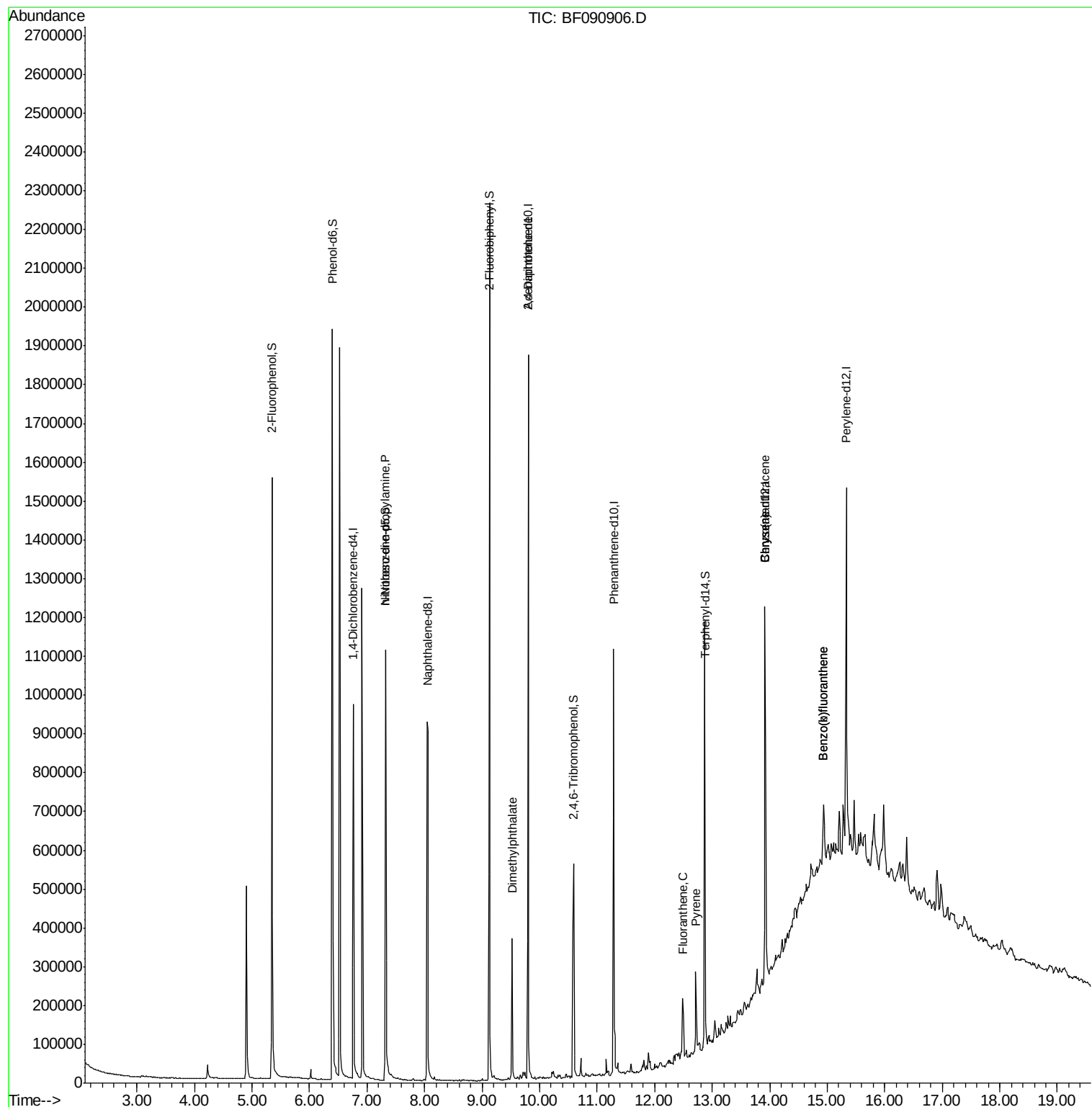
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	59187	7.97	ng	# 55
49) Dimethylphthalate	9.53	163	216921	8.90	ng	# 96
56) 2,4-Dinitrotoluene	9.80	165	46532	6.96	ng	# 33
74) Fluoranthene	12.49	202	76490	2.75	ng	96
77) Pyrene	12.72	202	95550	3.99	ng	93
80) Benzo(a)anthracene	13.92	228	95075	4.74	ng	# 90
82) Chrysene	13.92	228	95075	4.68	ng	# 92
87) Benzo(b)fluoranthene	14.93	252	78870	2.86	ng	# 92
88) Benzo(k)fluoranthene	14.93	252	78870	3.61	ng	# 89

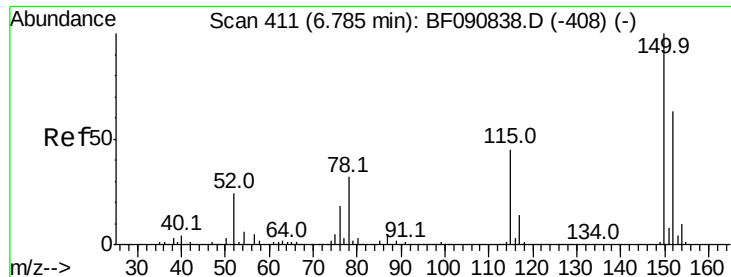
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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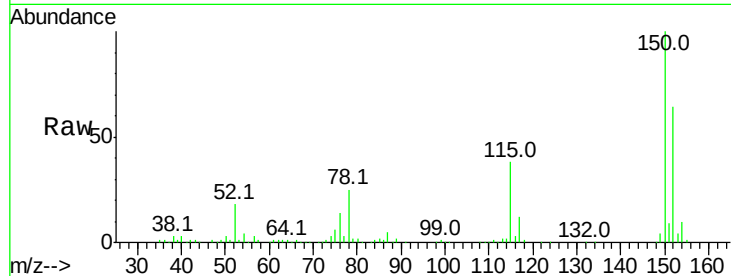


#1

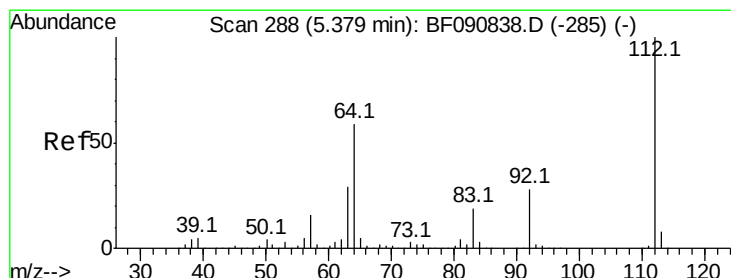
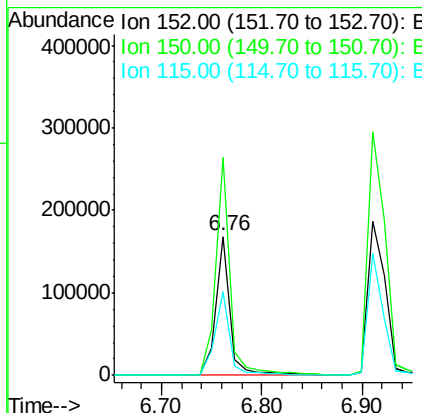
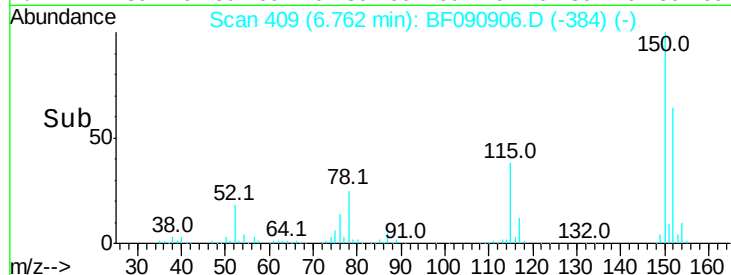
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.76 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: BF090906.D
 Acq: 28 Oct 2016 13:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.7	187.1
115	59.7	39.0	58.4



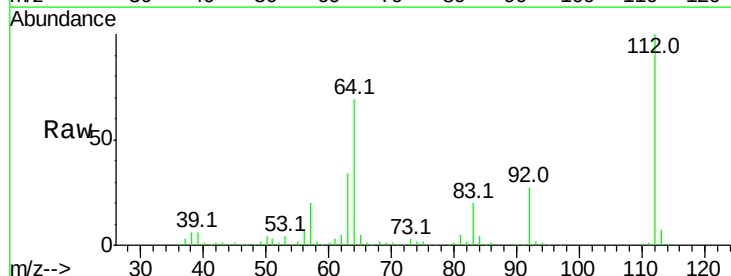
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



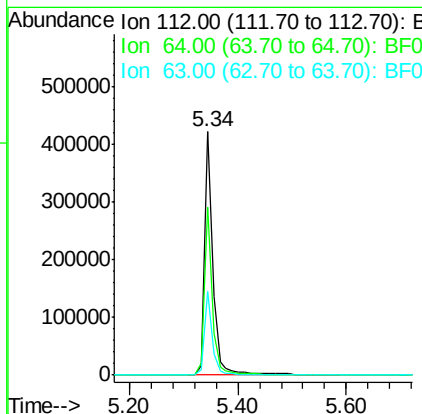
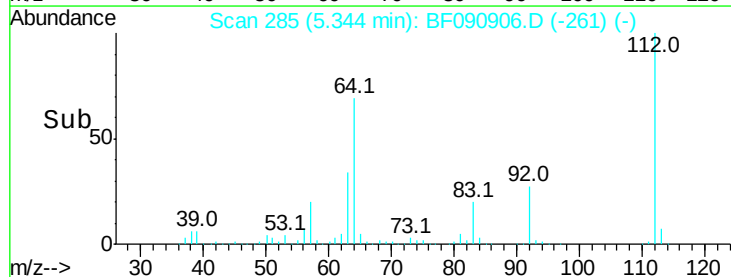
#5

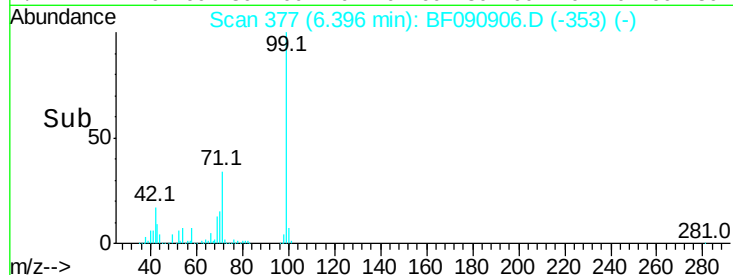
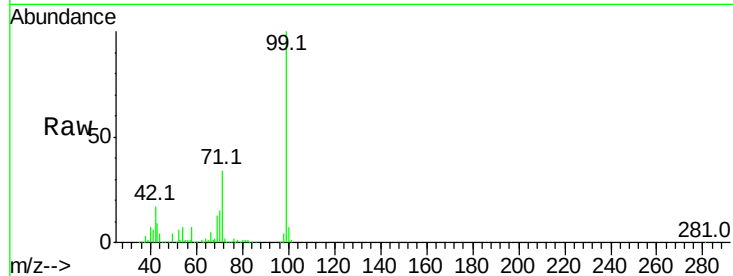
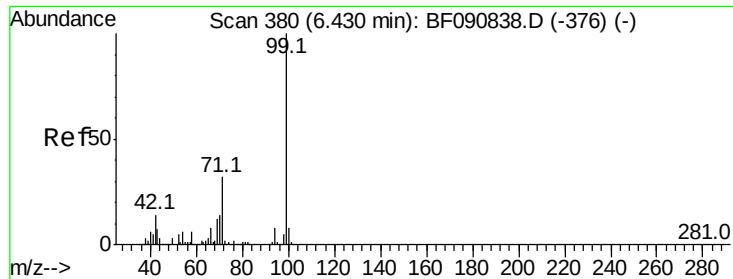
2-Fluorophenol
 Concen: 47.31 ng
 RT: 5.34 min Scan# 285
 Delta R.T. -0.02 min
 Lab File: BF090906.D
 Acq: 28 Oct 2016 13:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	39.7	59.5
63	34.2	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: 54.96 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF090906.D

Acq: 28 Oct 2016 13:27

Instrument :

BNA_F

ClientSampleId :

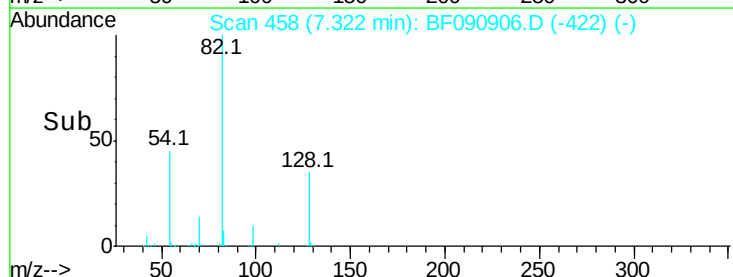
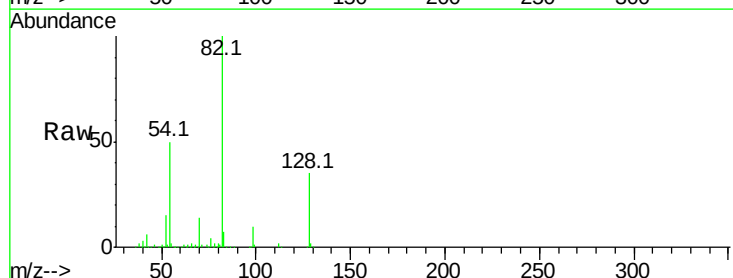
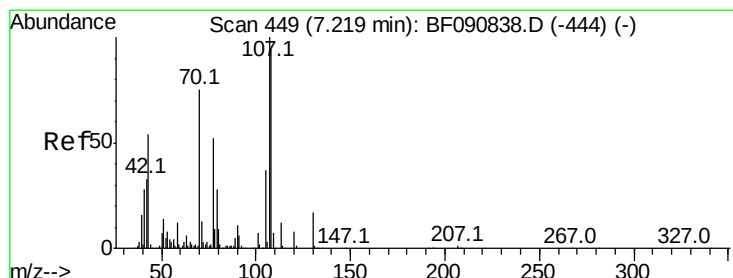
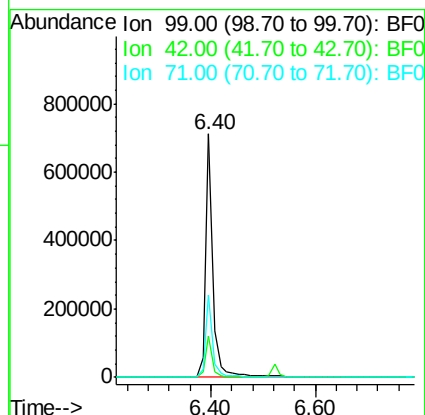
Tot Ion: 99 Resp: 705940

Ion Ratio Lower Upper

99 100

42 17.1 13.7 20.5

71 33.8 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 7.97 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.11 min

Lab File: BF090906.D

Acq: 28 Oct 2016 13:27

Tgt Ion: 70 Resp: 59187

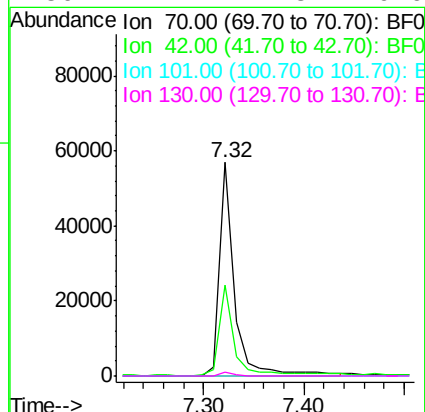
Ion Ratio Lower Upper

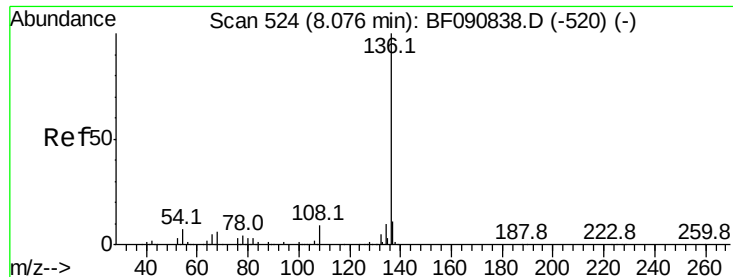
70 100

42 42.6 63.8 95.6#

101 0.0 9.2 13.8#

130 1.7 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF090906.D

Acq: 28 Oct 2016 13:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 668366

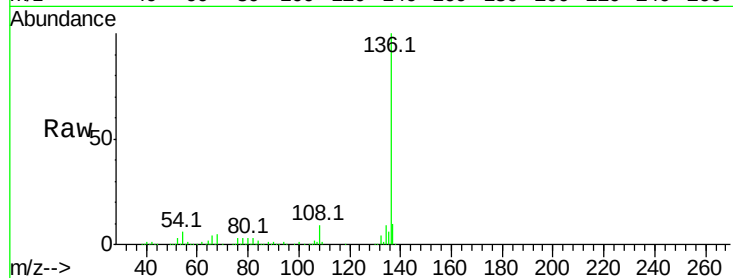
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.6

54 6.1 8.2 12.2#

68 5.5 5.8 8.6#

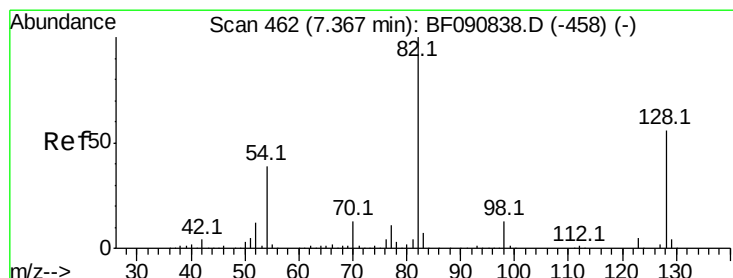
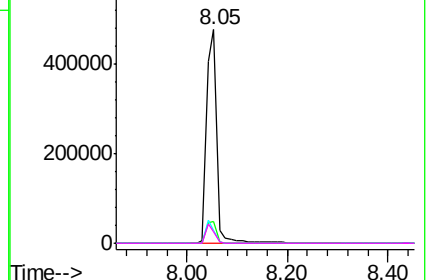
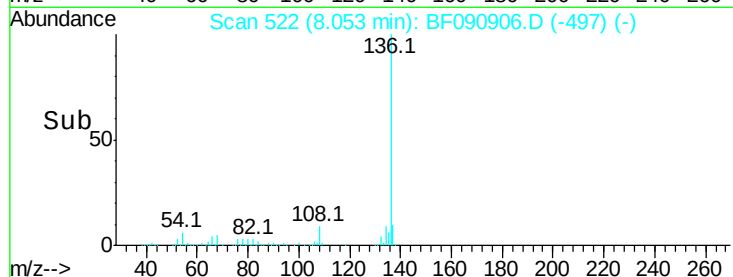


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.74 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.03 min

Lab File: BF090906.D

Acq: 28 Oct 2016 13:27

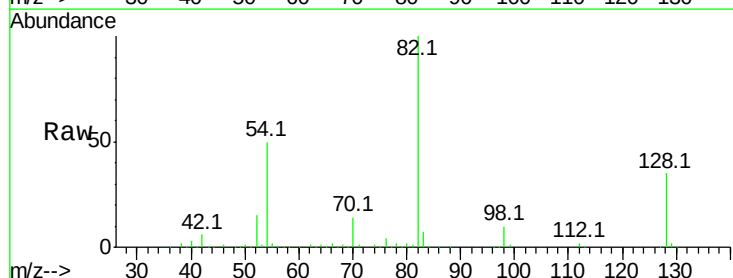
Tgt Ion: 82 Resp: 436368

Ion Ratio Lower Upper

82 100

128 35.2 51.0 76.6#

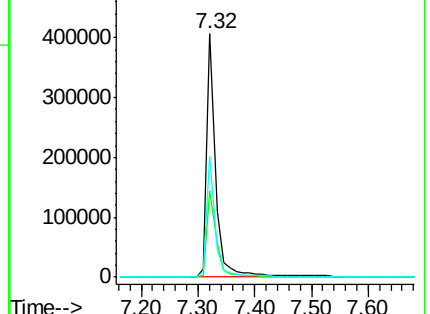
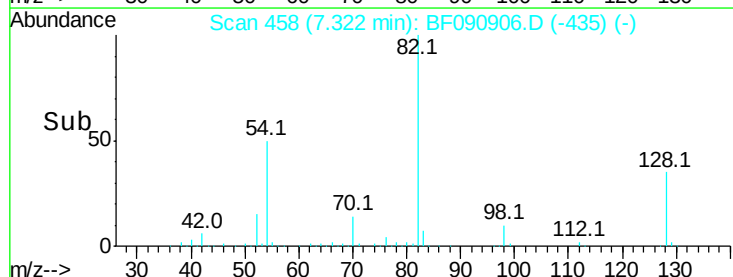
54 49.5 47.5 71.3

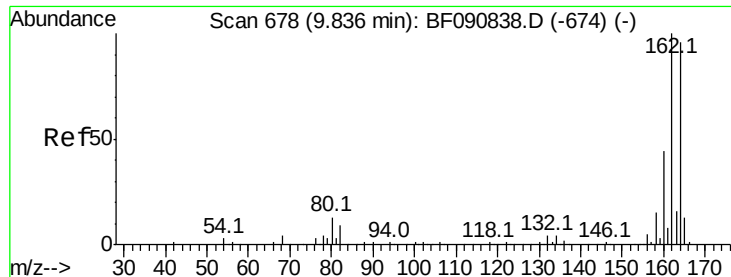


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

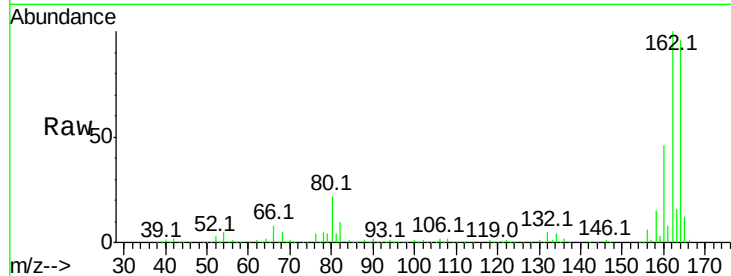




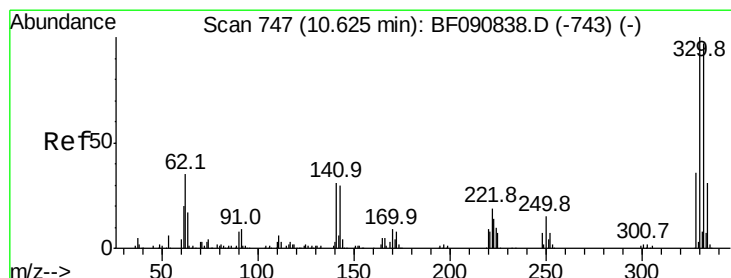
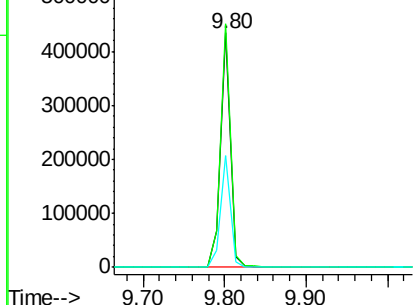
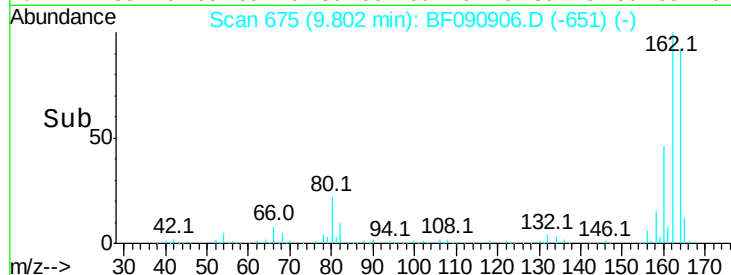
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF090906.D
 Acq: 28 Oct 2016 13:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 364881
 Ion Ratio Lower Upper
 164 100
 162 103.9 75.2 112.8
 160 48.0 31.5 47.3#

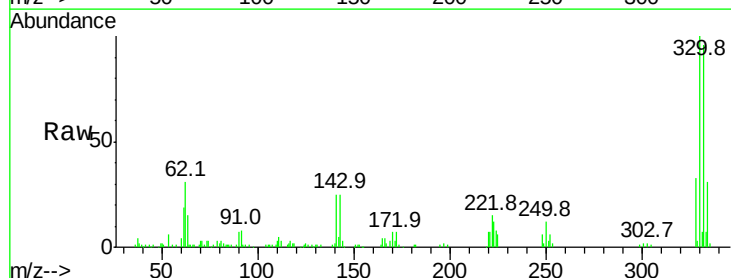


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

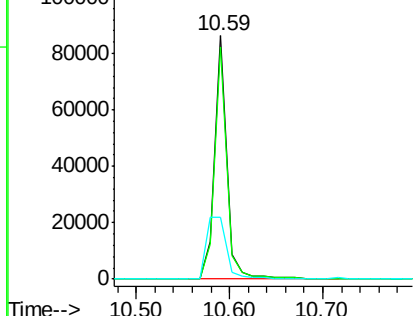
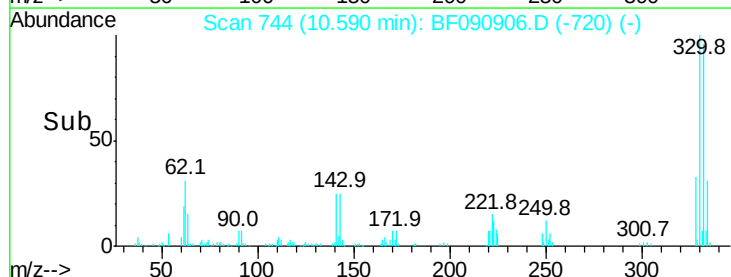


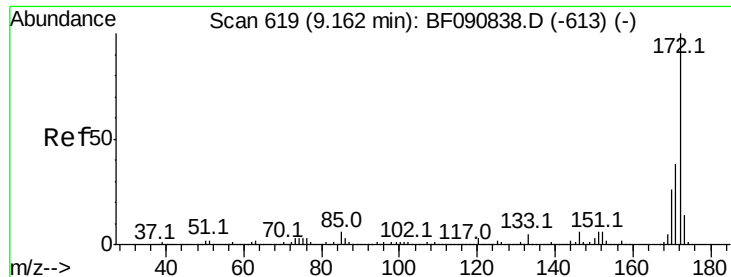
#41
 2,4,6-Tribromophenol
 Concen: 21.07 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF090906.D
 Acq: 28 Oct 2016 13:27

Tgt Ion:330 Resp: 79010
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 114.8
 141 43.1 29.7 44.5



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

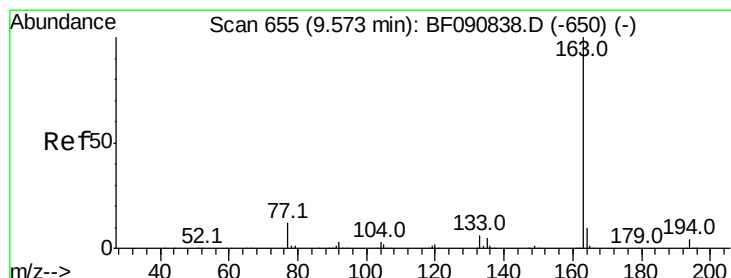
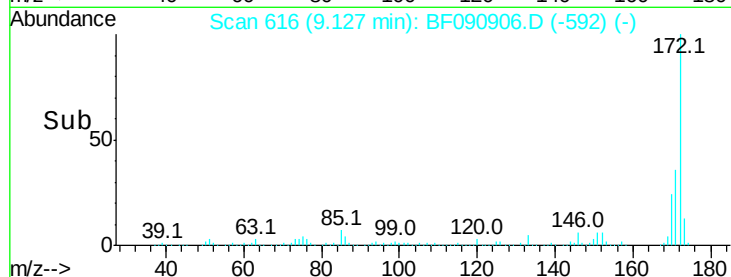
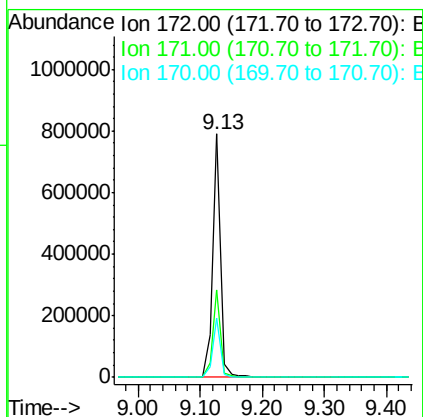
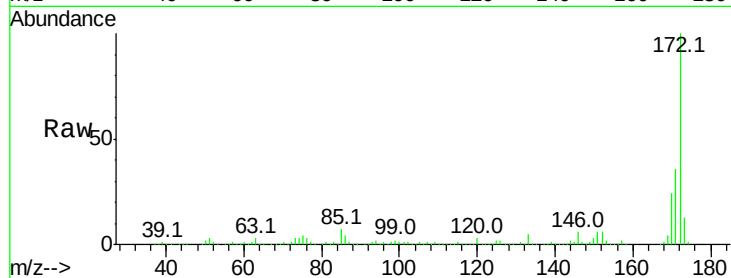




#44
 2-Fluorobiphenyl
 Concen: 33.44 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF090906.D
 Acq: 28 Oct 2016 13:27

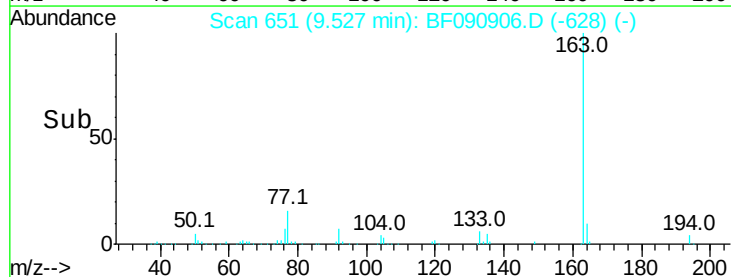
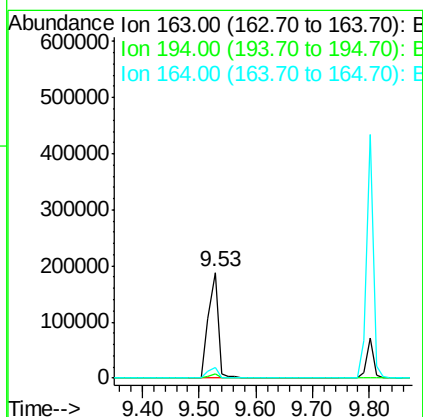
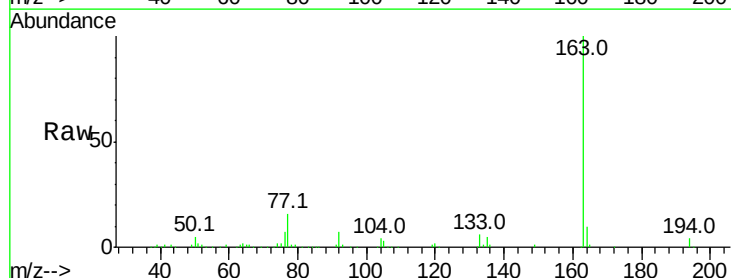
Instrument :
 BNA_F
 ClientSampled :

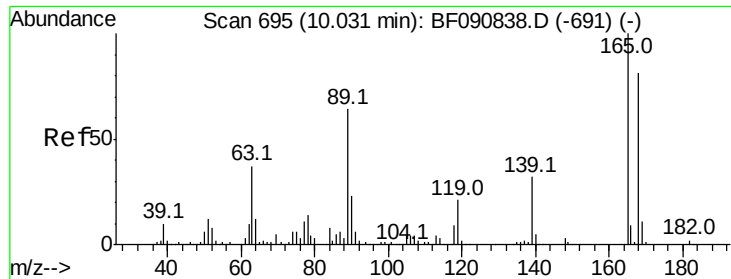
Tot Ion:172 Resp: 694924
 Ion Ratio Lower Upper
 172 100
 171 35.7 26.1 39.1
 170 24.3 17.4 26.2



#49
 Dimethylphthalate
 Concen: 8.90 ng
 RT: 9.53 min Scan# 651
 Delta R.T. -0.03 min
 Lab File: BF090906.D
 Acq: 28 Oct 2016 13:27

Tgt Ion:163 Resp: 216921
 Ion Ratio Lower Upper
 163 100
 194 3.5 4.4 6.6#
 164 9.5 8.3 12.5

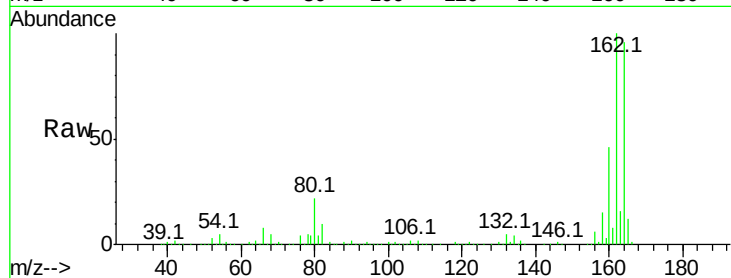




#56
 2,4-Dinitrotoluene
 Concen: 6.96 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.22 min
 Lab File: BF090906.D
 Acq: 28 Oct 2016 13:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	46532
Ion Ratio	Lower	Upper
165	100	
63	0.8	29.8 44.6#
89	1.0	44.5 66.7#
182	0.0	3.0 4.4#

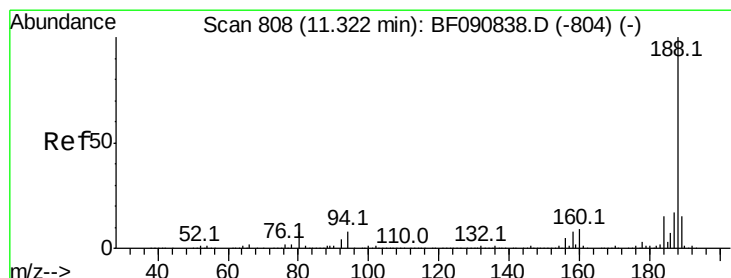
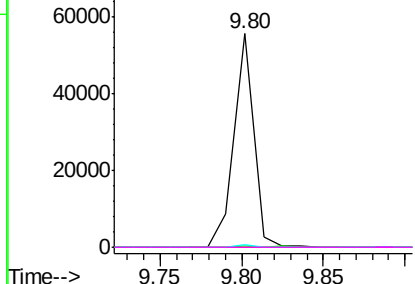
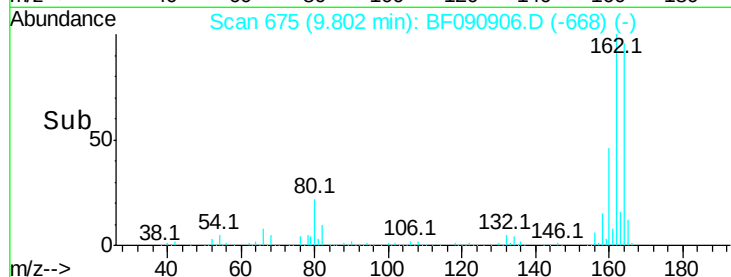


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

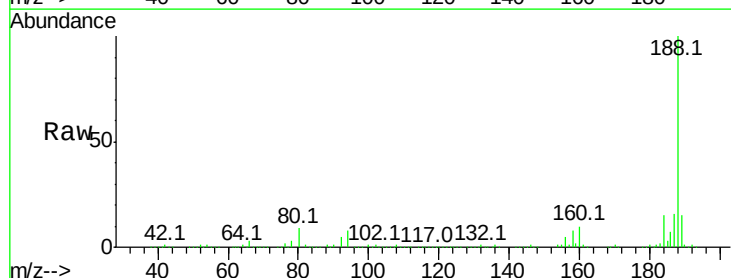
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF090906.D
 Acq: 28 Oct 2016 13:27

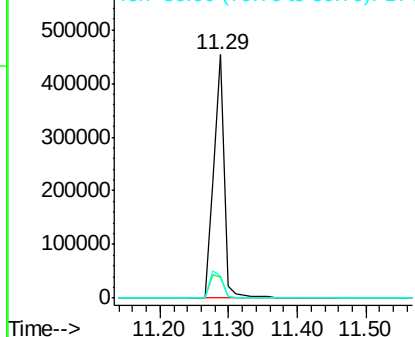
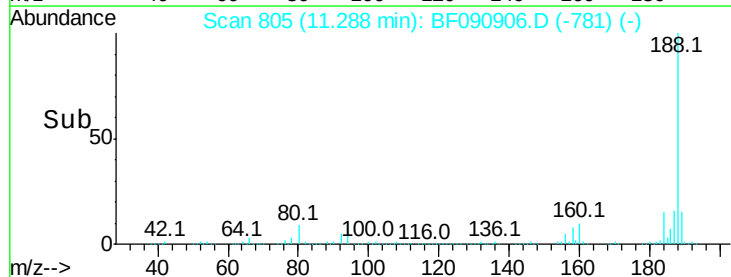
Tgt Ion:188	Resp:	498564
Ion Ratio	Lower	Upper
188	100	
94	8.4	11.1 16.7#
80	9.0	11.0 16.4#

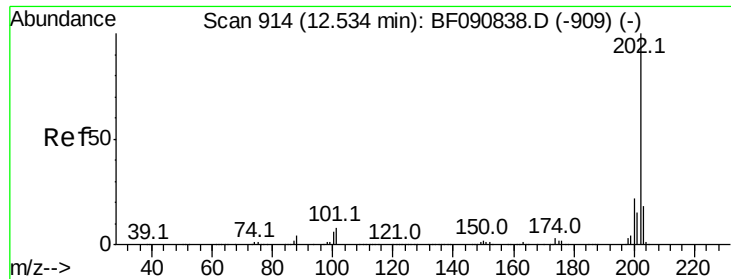


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.75 ng

RT: 12.49 min Scan# 910

Delta R.T. -0.03 min

Lab File: BF090906.D

Acq: 28 Oct 2016 13:27

Instrument :

BNA_F

ClientSampleId :

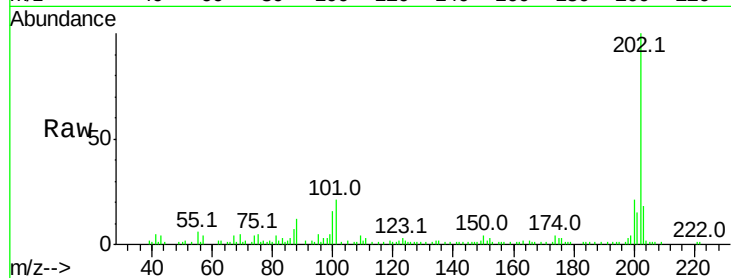
Tot Ion:202 Resp: 76490

Ion Ratio Lower Upper

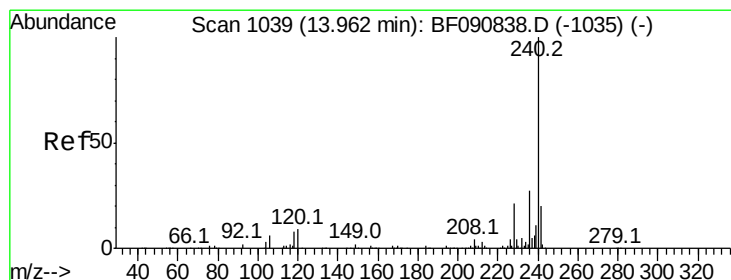
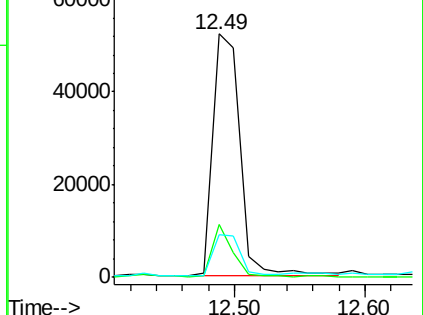
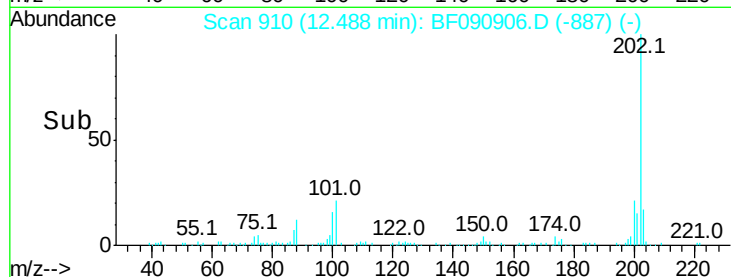
202 100

101 21.5 0.0 38.3

203 17.7 0.0 37.3



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: 13.92 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF090906.D

Acq: 28 Oct 2016 13:27

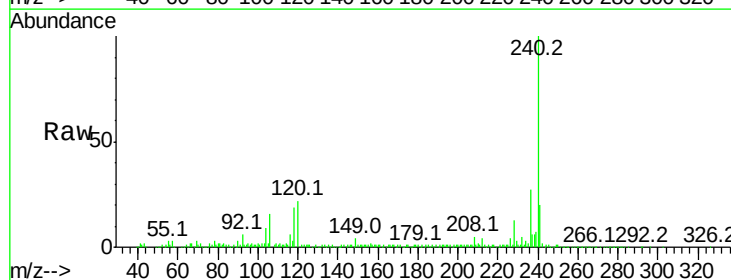
Tgt Ion:240 Resp: 378178

Ion Ratio Lower Upper

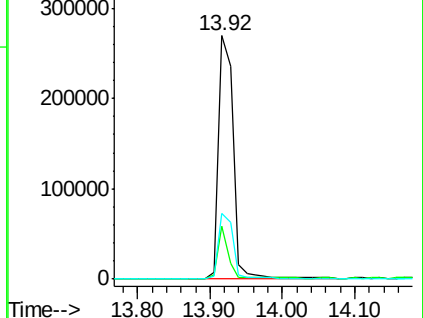
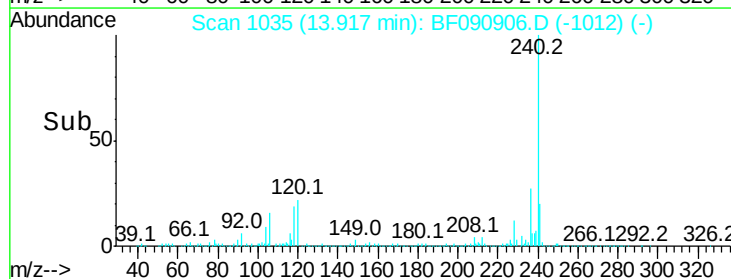
240 100

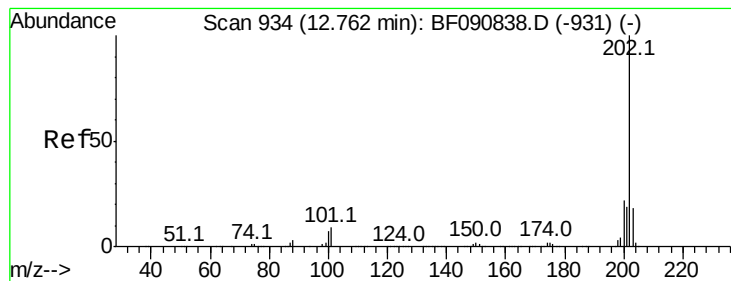
120 21.8 16.2 24.2

236 27.1 18.4 27.6



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

Pvrene

Concen: 3.99 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.03 min

Lab File: BF090906.D

Acq: 28 Oct 2016 13:27

Instrument :

BNA_F

ClientSampleId :

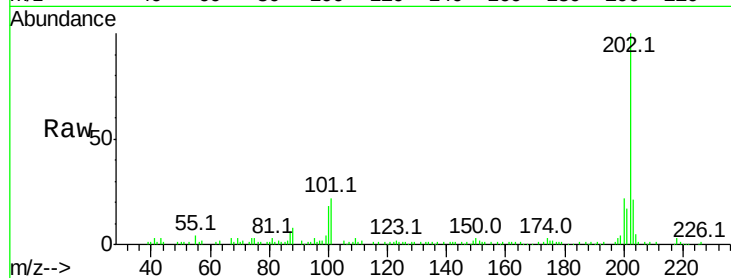
Tot Ion:202 Resp: 95550

Ion Ratio Lower Upper

202 100

200 21.7 15.0 22.4

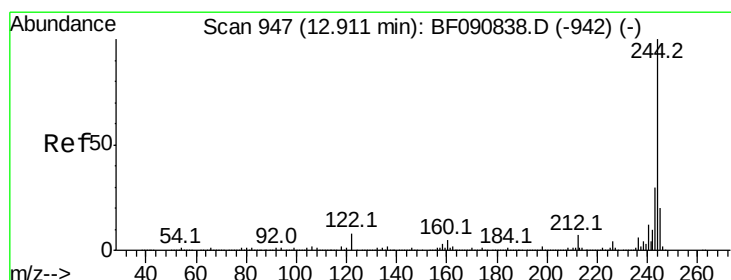
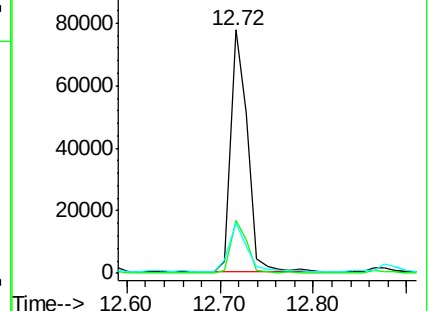
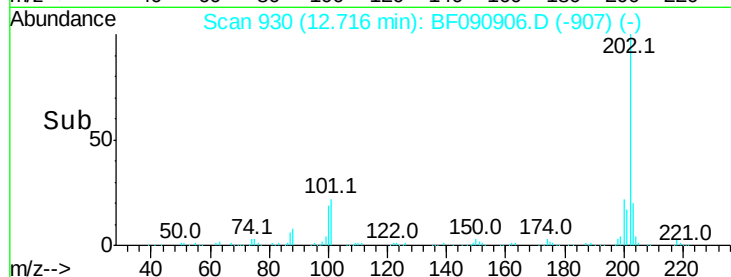
203 20.8 14.1 21.1



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: 30.57 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF090906.D

Acq: 28 Oct 2016 13:27

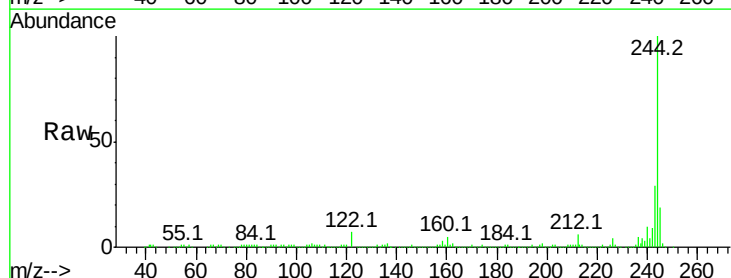
Tgt Ion:244 Resp: 458843

Ion Ratio Lower Upper

244 100

212 6.3 4.3 6.5

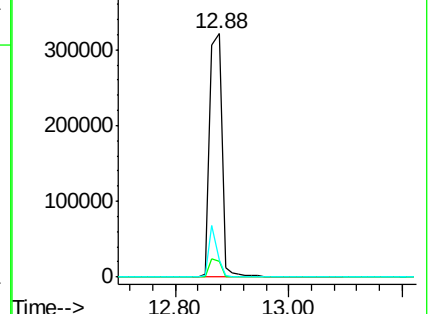
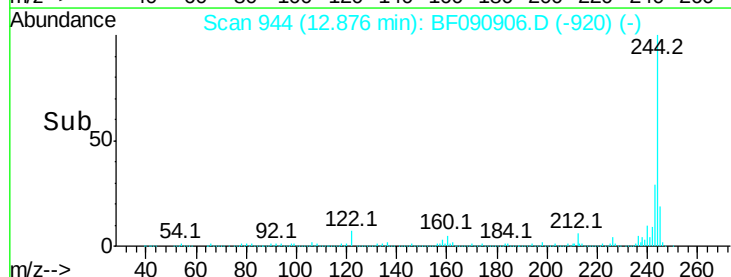
122 7.0 17.4 26.2

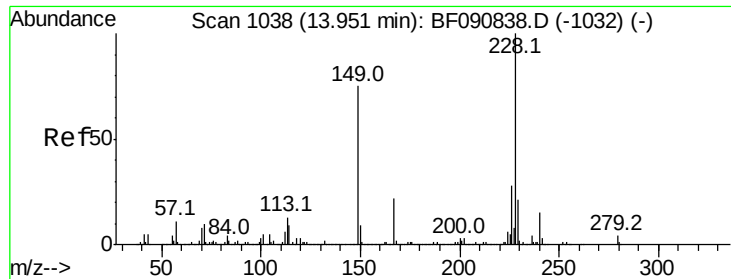


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.74 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF090906.D

Acq: 28 Oct 2016 13:27

Instrument :

BNA_F

ClientSampleId :

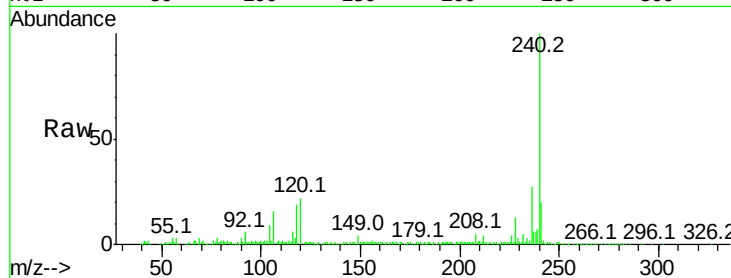
Tot Ion:228 Resp: 95075

Ion Ratio Lower Upper

228 100

226 30.1 20.0 30.0#

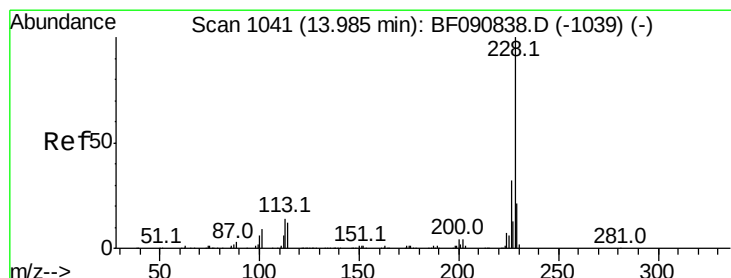
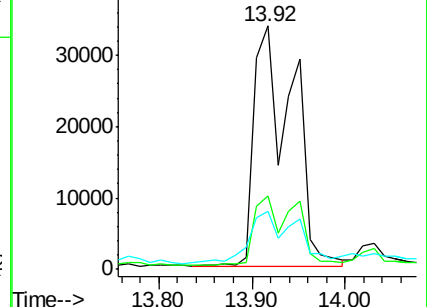
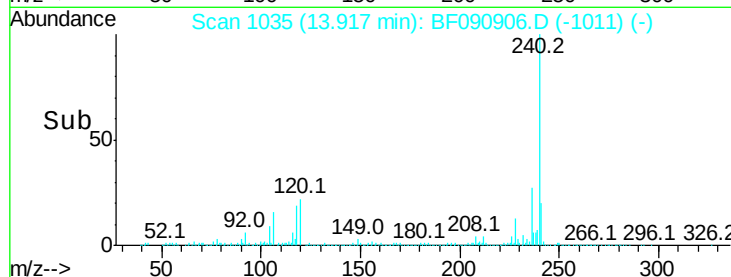
229 23.6 15.4 23.2#



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: 4.68 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF090906.D

Acq: 28 Oct 2016 13:27

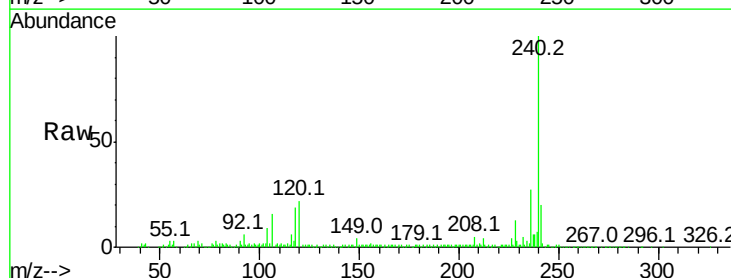
Tgt Ion:228 Resp: 95075

Ion Ratio Lower Upper

228 100

226 30.1 21.0 31.4

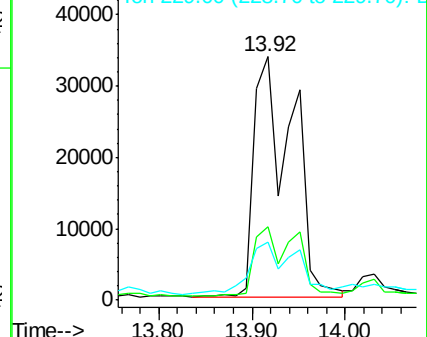
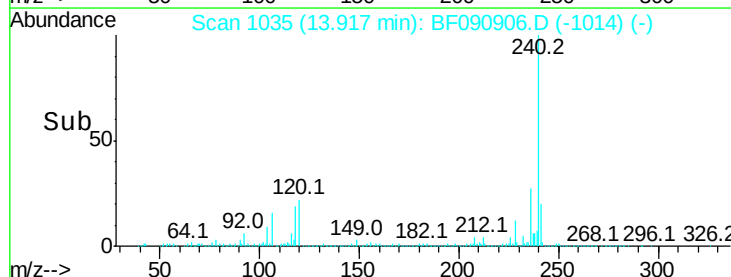
229 23.6 15.6 23.4#

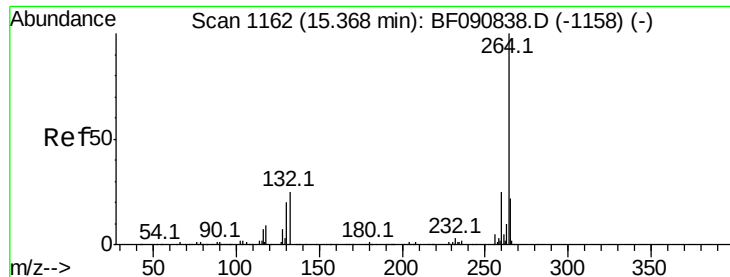


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

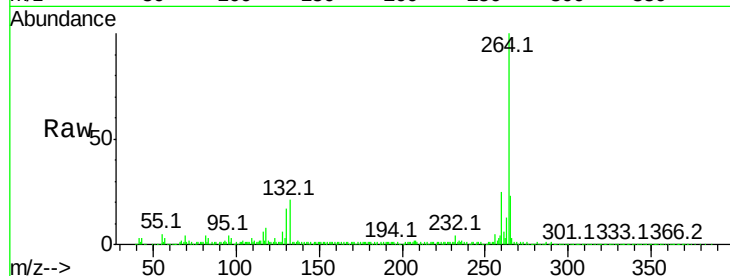




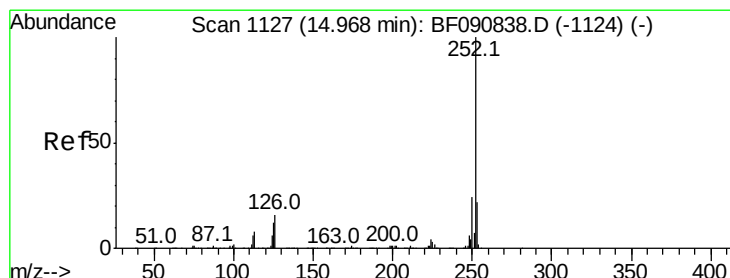
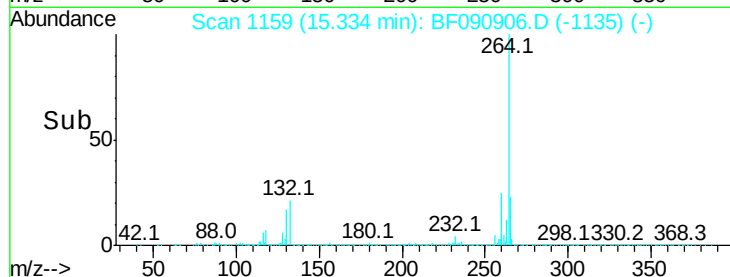
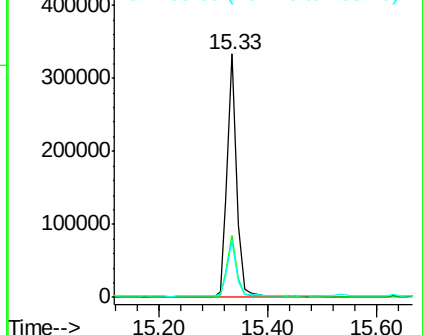
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF090906.D
Acq: 28 Oct 2016 13:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 410654
Ion Ratio Lower Upper
264 100
260 25.4 16.7 25.1#
265 23.3 17.2 25.8

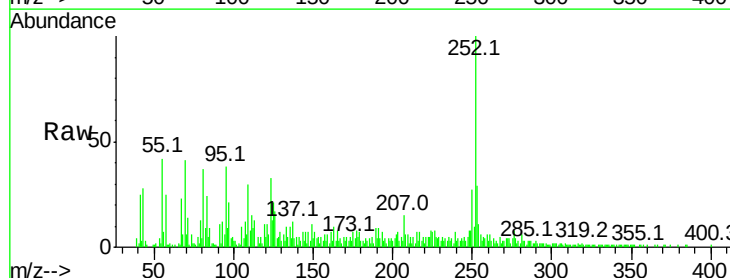


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

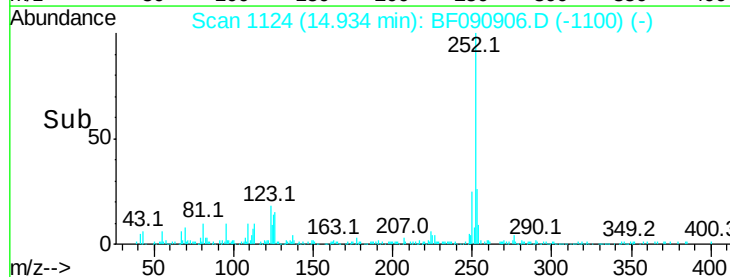
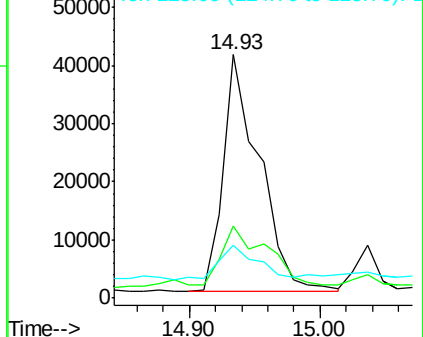


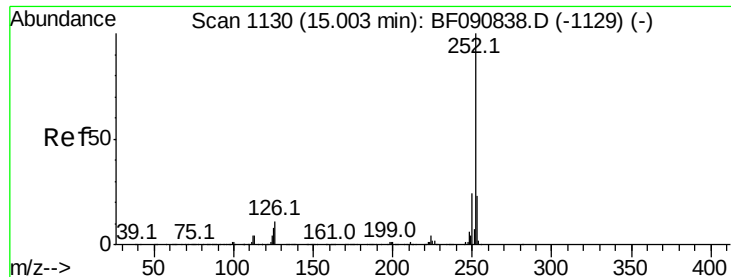
#87
Benzo(b)fluoranthene
Concen: 2.86 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BF090906.D
Acq: 28 Oct 2016 13:27

Tgt Ion:252 Resp: 78870
Ion Ratio Lower Upper
252 100
253 29.4 17.5 26.3#
125 21.5 17.1 25.7



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

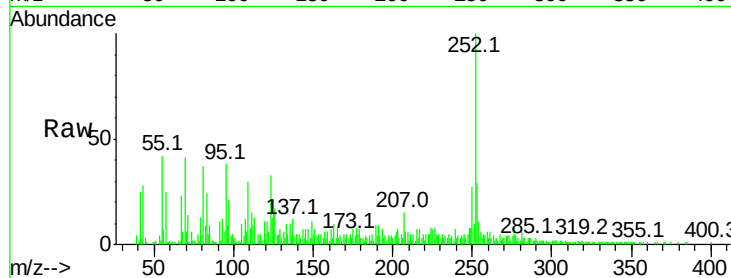




#88
 Benzo(k)fluoranthene
 Concen: 3.61 ng
 RT: 14.93 min Scan# 1124
 Delta R.T. -0.06 min
 Lab File: BF090906.D
 Acq: 28 Oct 2016 13:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.4	17.0	25.4
125	21.5	16.0	24.0



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

