

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101716\
 Data File : BF090619.D
 Acq On : 17 Oct 2016 20:34
 Operator : UM/SJ
 Sample : H5227-02 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2

Quant Time: Oct 18 01:15:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

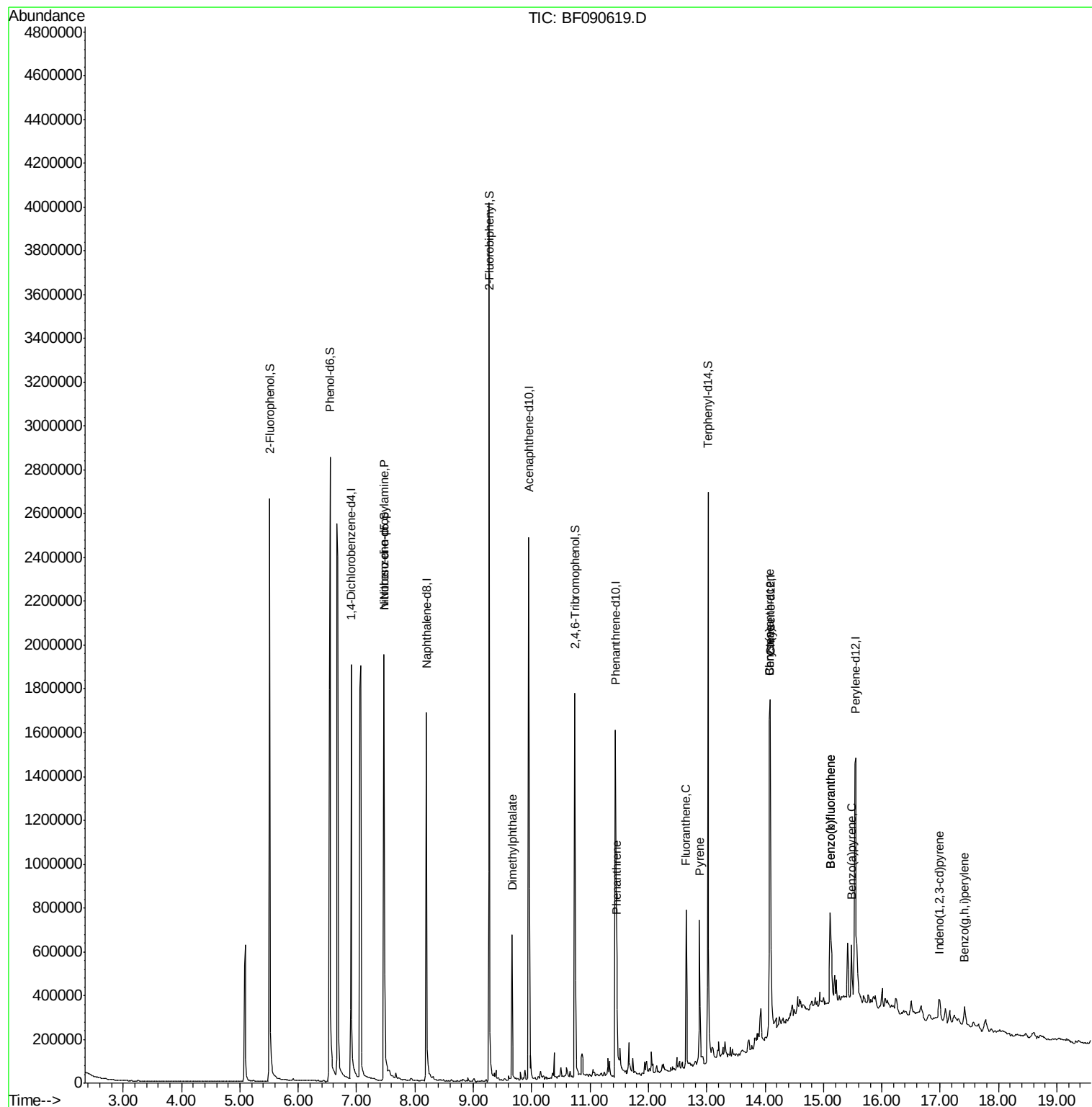
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	300126	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	1164114	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	556191	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	724291	20.00	ng	-0.01
75) Chrysene-d12	14.09	240	740310	20.00	ng	0.00
86) Perylene-d12	15.55	264	690248	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1032924	63.09	ng	0.00
7) Phenol-d6	6.54	99	1389125	57.10	ng	0.00
23) Nitrobenzene-d5	7.47	82	814193	38.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	183520	37.01	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1255394	37.19	ng	0.00
78) Terphenyl-d14	13.02	244	808937	25.44	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	92824	5.57	ng	Qvalue # 79
49) Dimethylphthalate	9.66	163	239485	6.64	ng	99
70) Phenanthrene	11.46	178	200311	5.18	ng	99
74) Fluoranthene	12.65	202	314212	8.08	ng	91
77) Pyrene	12.87	202	282819	5.77	ng	99
80) Benzo(a)anthracene	14.07	228	367912	8.73	ng	98
82) Chrysene	14.07	228	367912	9.06	ng	97
85) Indeno(1,2,3-cd)pyrene	16.98	276	85500	3.64	ng	# 93
87) Benzo(b)fluoranthene	15.12	252	330166	7.31	ng	98
88) Benzo(k)fluoranthene	15.12	252	330166	6.79	ng	# 96
89) Benzo(a)pyrene	15.48	252	168249	4.07	ng	97
91) Benzo(g,h,i)perylene	17.41	276	81091	2.70	ng	95

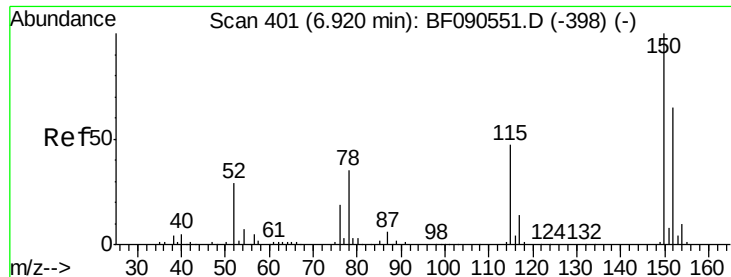
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
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QLast Update : Mon Oct 17 19:19:58 2016
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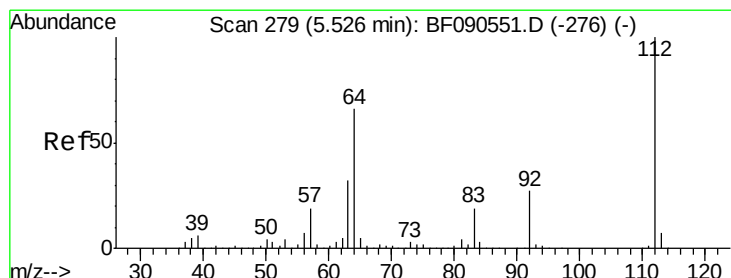
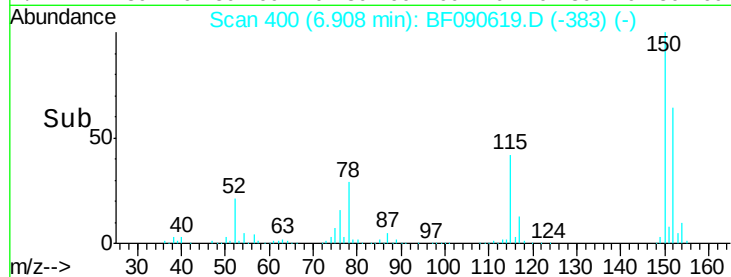
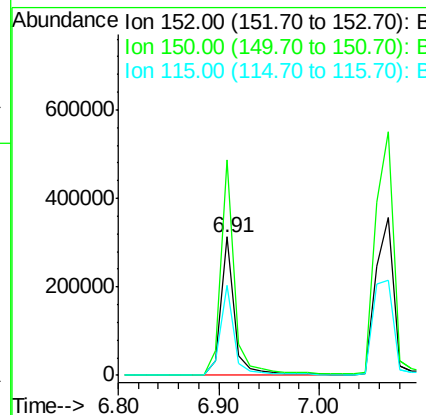
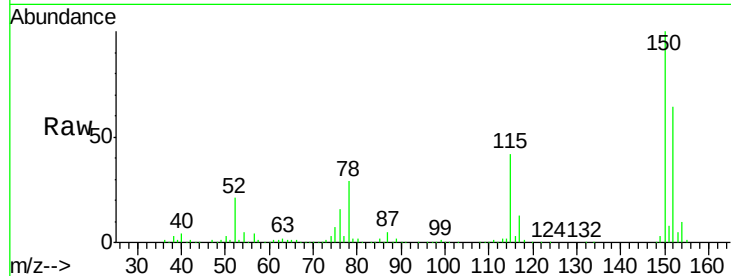


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 400
Delta R.T. -0.00 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Instrument :
BNA_F
ClientSampleId :
2

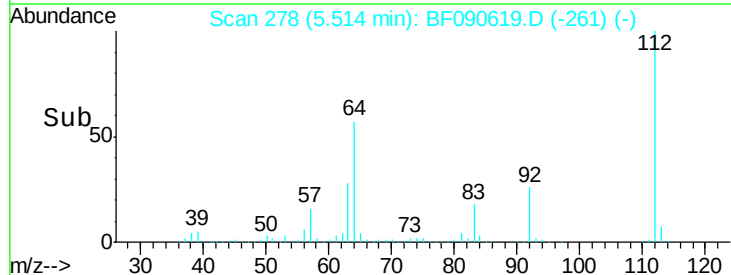
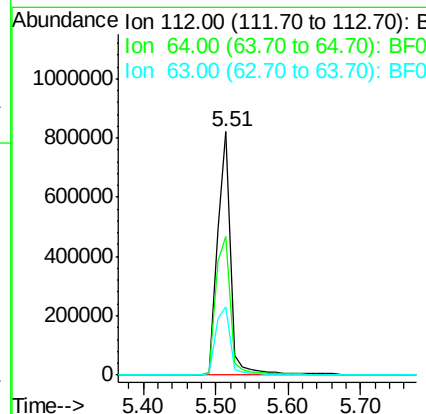
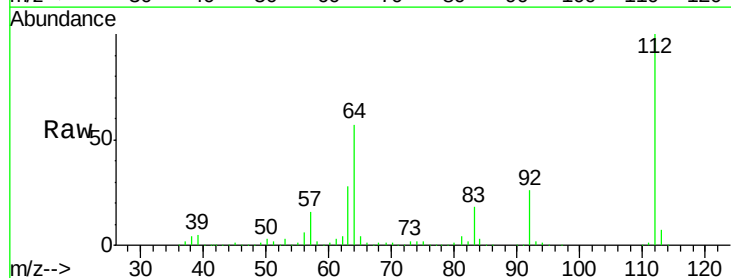
Tgt Ion:152 Resp: 300126
Ion Ratio Lower Upper
152 100
150 156.1 127.2 190.8
115 65.0 58.6 88.0

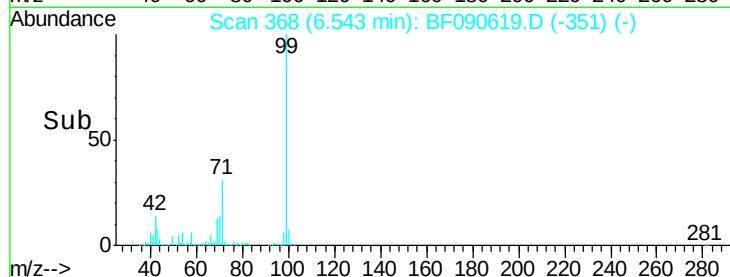
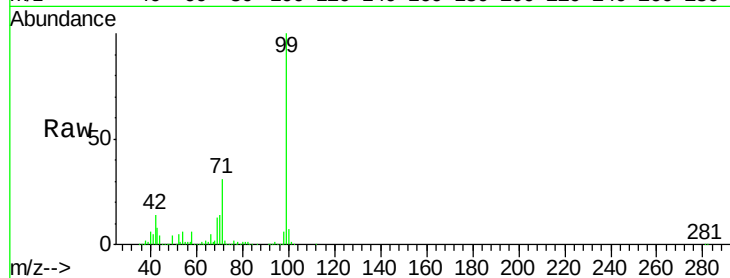
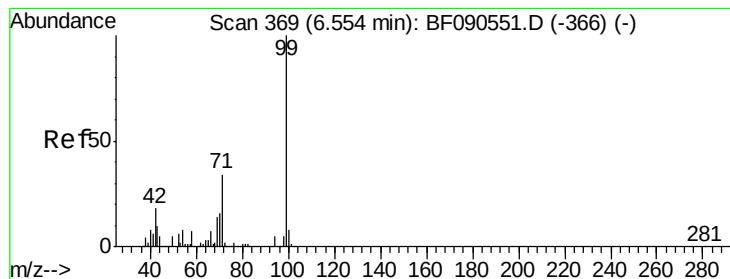


#5

2-Fluorophenol
Concen: 63.09 ng
RT: 5.51 min Scan# 278
Delta R.T. -0.00 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Tgt Ion:112 Resp: 1032924
Ion Ratio Lower Upper
112 100
64 57.1 52.6 78.8
63 27.9 26.0 39.0





#7

Phenol-d6

Concen: 57.10 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

Instrument :

BNA_F

ClientSampleId :

2

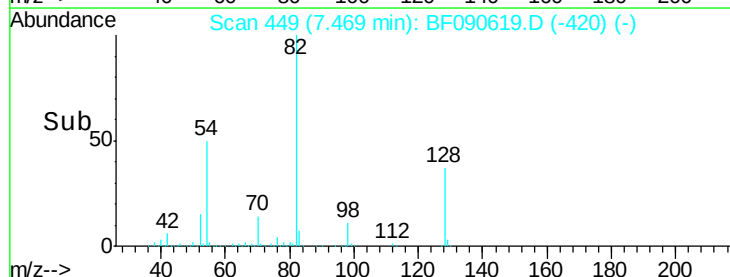
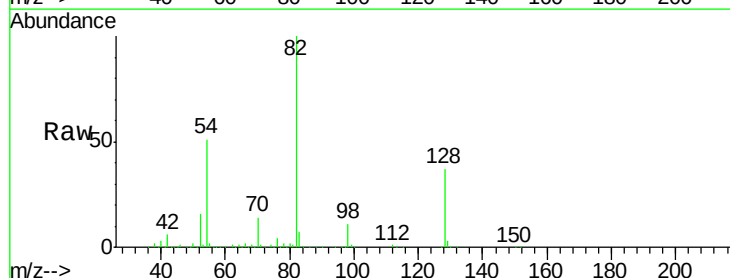
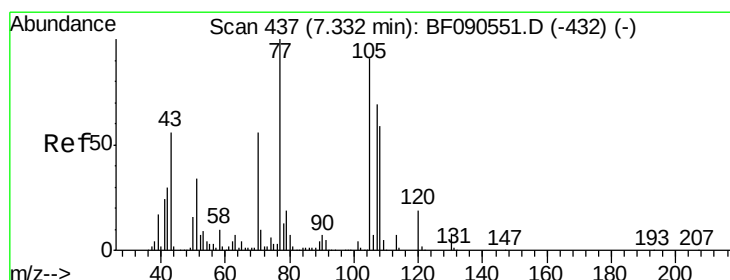
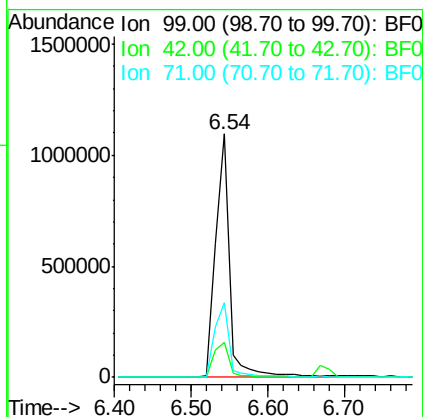
Tgt Ion: 99 Resp: 1389125

Ion Ratio Lower Upper

99 100

42 14.4 14.7 22.1#

71 30.9 27.6 41.4



#19

n-Nitroso-di-n-propylamine

Concen: 5.57 ng

RT: 7.47 min Scan# 449

Delta R.T. 0.14 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

Tgt Ion: 70 Resp: 92824

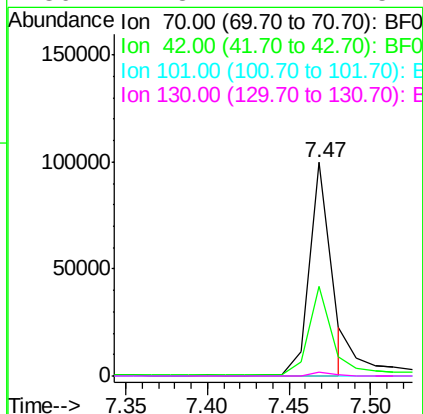
Ion Ratio Lower Upper

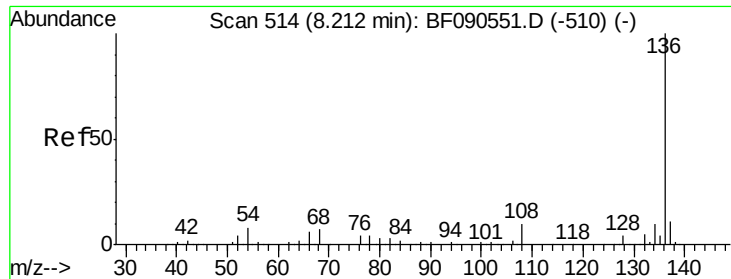
70 100

42 42.0 43.4 65.0#

101 0.0 6.4 9.6#

130 1.8 12.1 18.1#

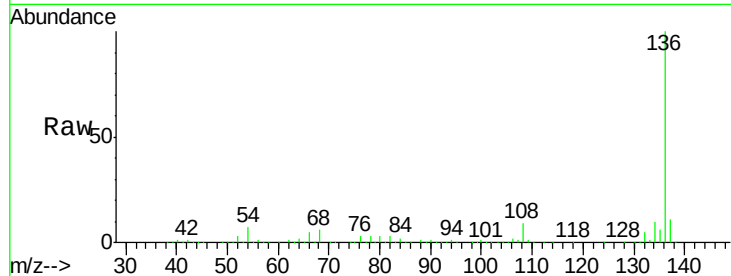




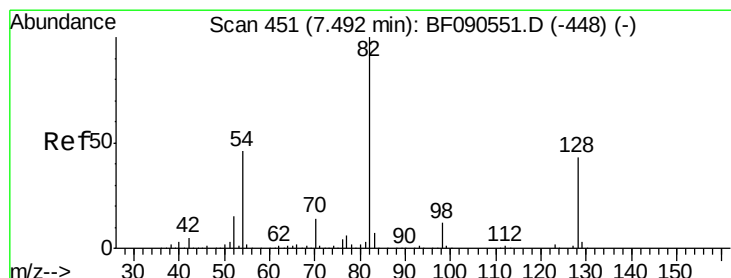
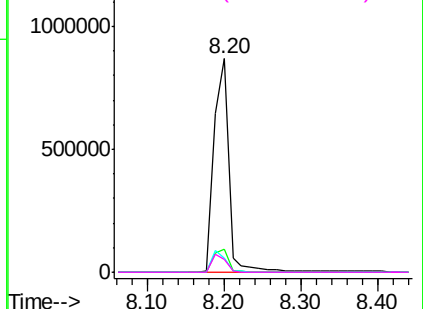
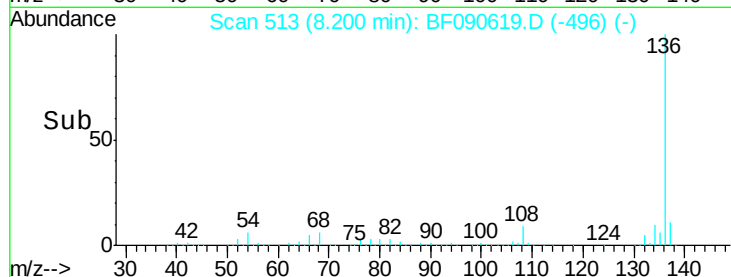
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 513
Delta R.T. -0.00 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Instrument :
BNA_F
ClientSampleId :
2

Tgt Ion:	136	Resp:	1164114
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.5	6.8	10.2#
68	6.1	6.0	9.0

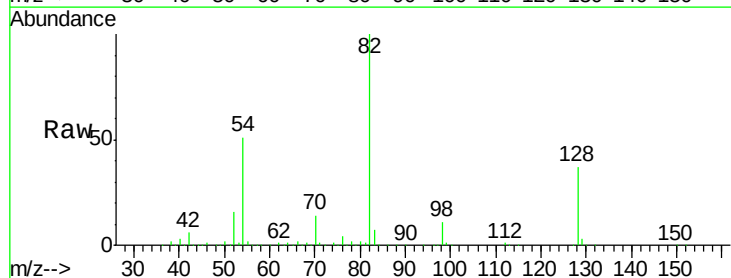


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

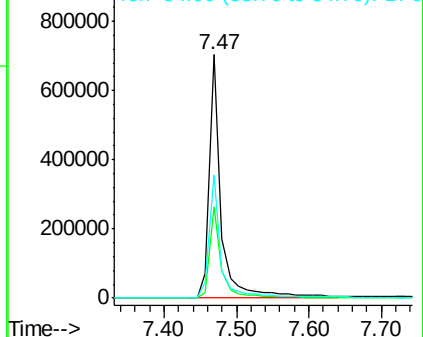
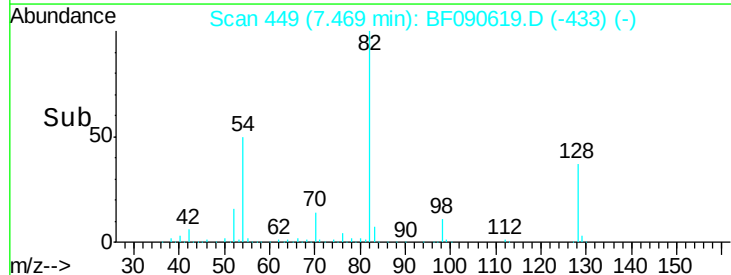


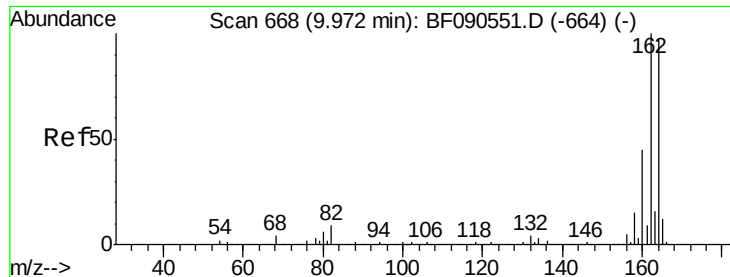
#23
Nitrobenzene-d5
Concen: 38.85 ng
RT: 7.47 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Tgt Ion:	82	Resp:	814193
Ion	Ratio	Lower	Upper
82	100		
128	37.3	34.3	51.5
54	50.5	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

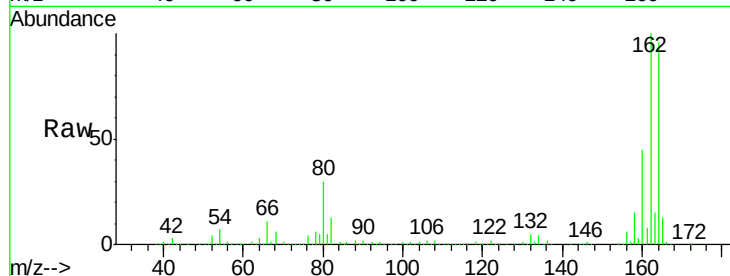




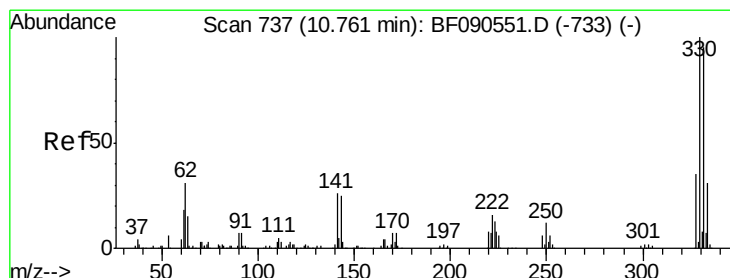
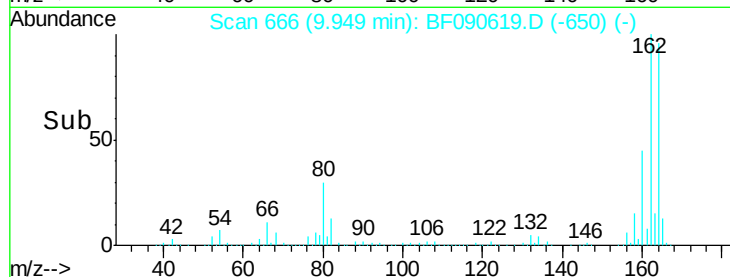
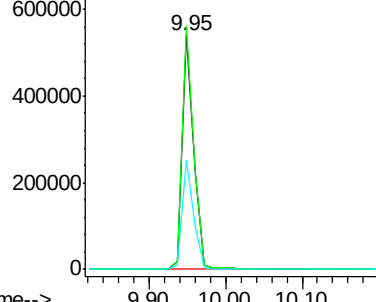
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

Instrument :
 BNA_F
 ClientSampleId :
 2

Tgt Ion:164 Resp: 556191
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.2 123.4
 160 46.6 36.6 55.0

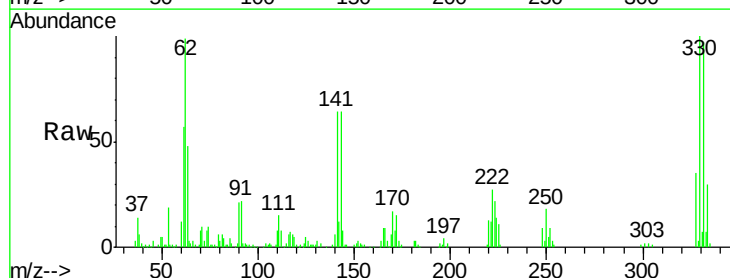


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

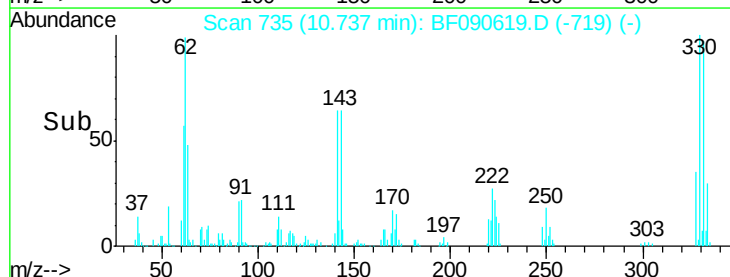
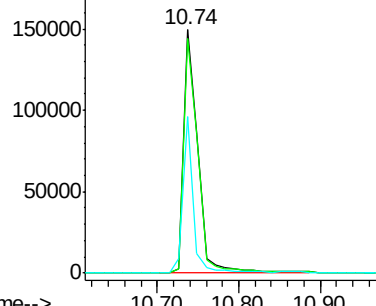


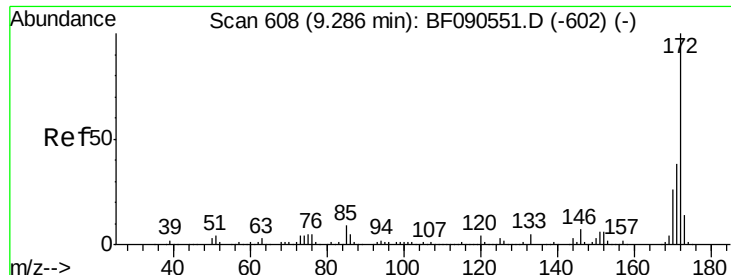
#41
 2,4,6-Tribromophenol
 Concen: 37.01 ng
 RT: 10.74 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

Tgt Ion:330 Resp: 183520
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.2 114.2
 141 48.3 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

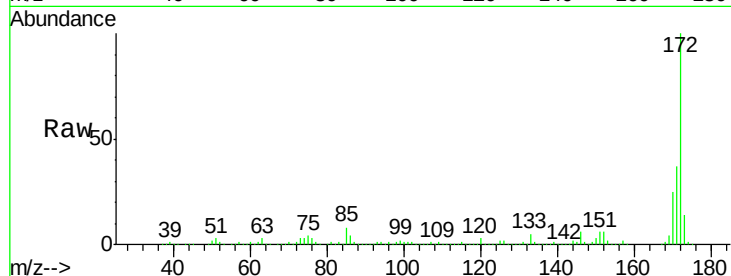




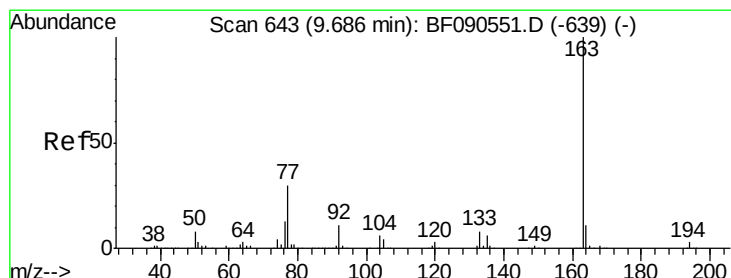
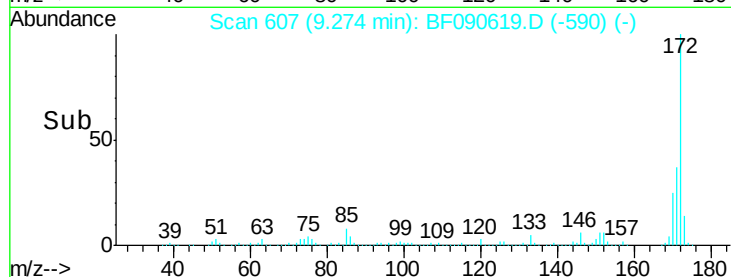
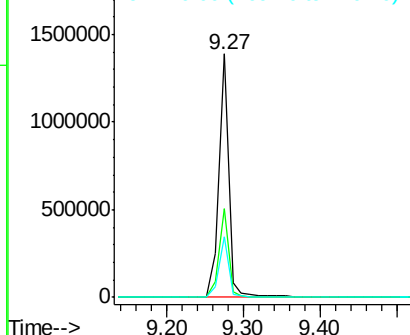
#44
 2-Fluorobiphenyl
 Concen: 37.19 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

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 ClientSampleId :
 2

Tgt Ion:172 Resp: 1255394
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.1 45.1
 170 24.7 20.6 30.8

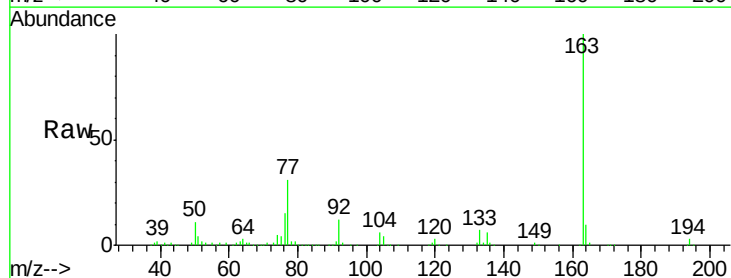


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

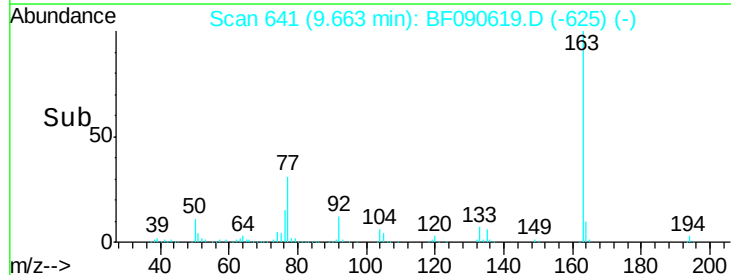
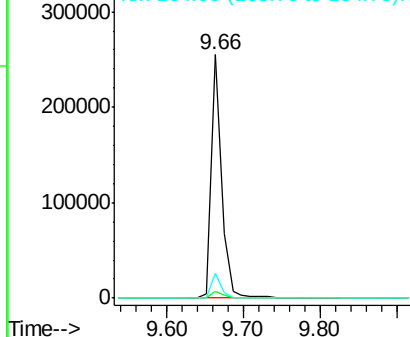


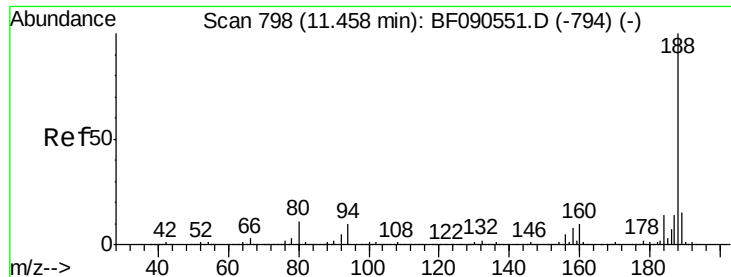
#49
 Dimethylphthalate
 Concen: 6.64 ng
 RT: 9.66 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

Tgt Ion:163 Resp: 239485
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.3 3.5
 164 10.2 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

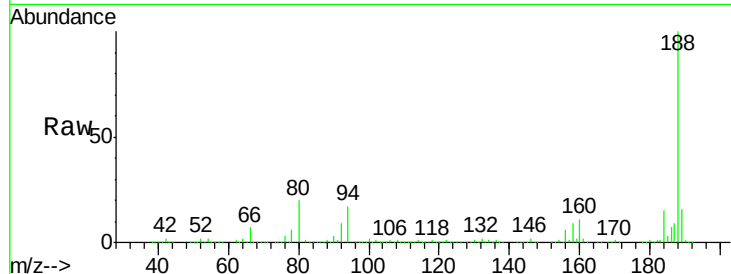




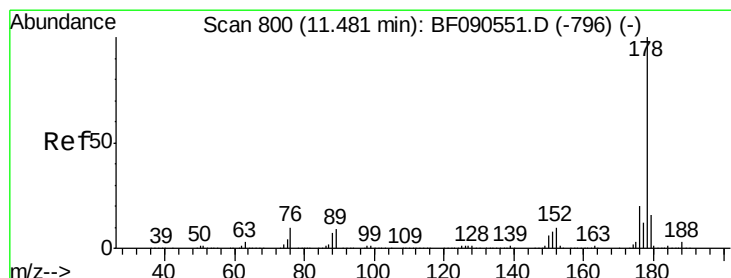
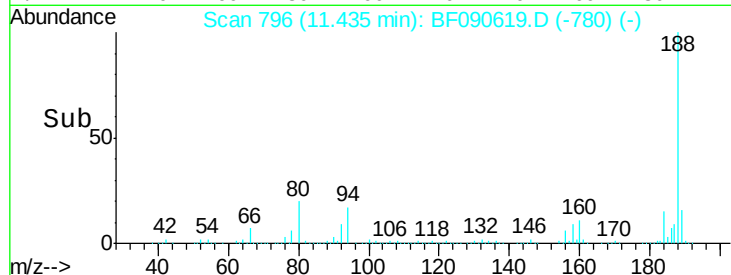
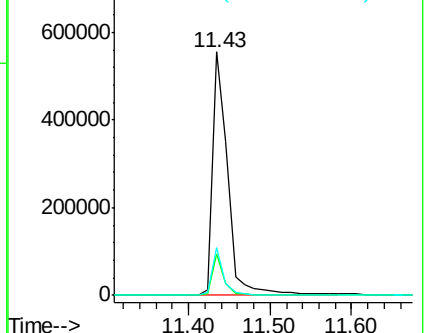
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Instrument :
BNA_F
ClientSampleId :
2

Tgt Ion:188 Resp: 724291
Ion Ratio Lower Upper
188 100
94 16.8 7.7 11.5#
80 19.7 8.6 12.8#

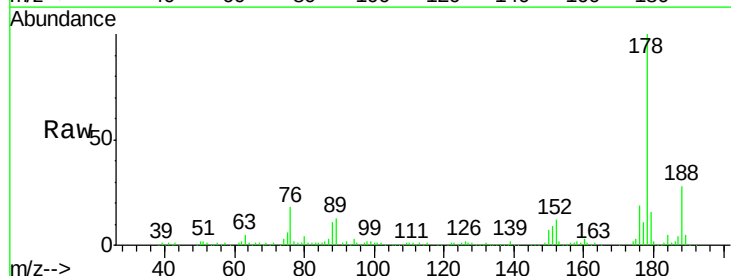


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

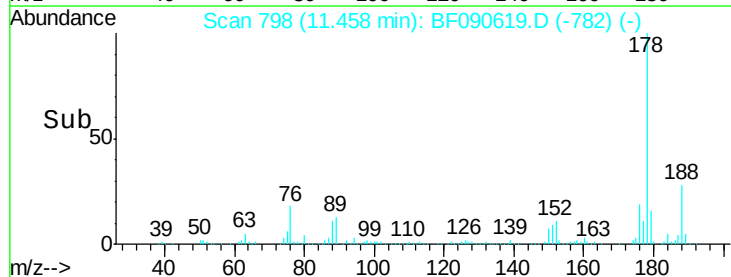
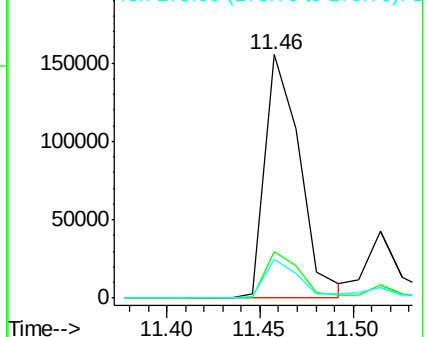


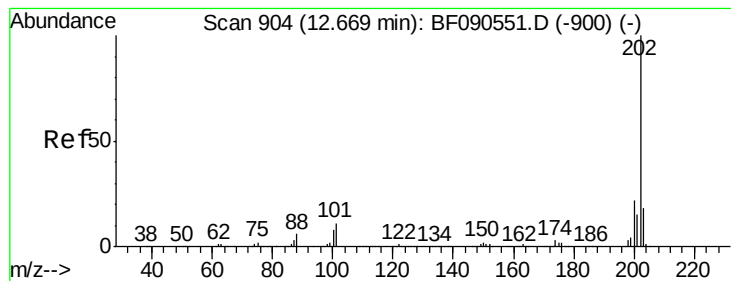
#70
Phenanthrene
Concen: 5.18 ng
RT: 11.46 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF090619.D
Acq: 17 Oct 2016 20:34

Tgt Ion:178 Resp: 200311
Ion Ratio Lower Upper
178 100
176 19.2 16.1 24.1
179 15.9 12.6 19.0



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: 8.08 ng

RT: 12.65 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

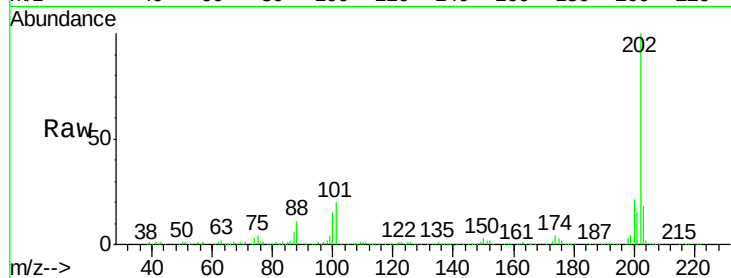
Instrument :

BNA_F

ClientSampleId :

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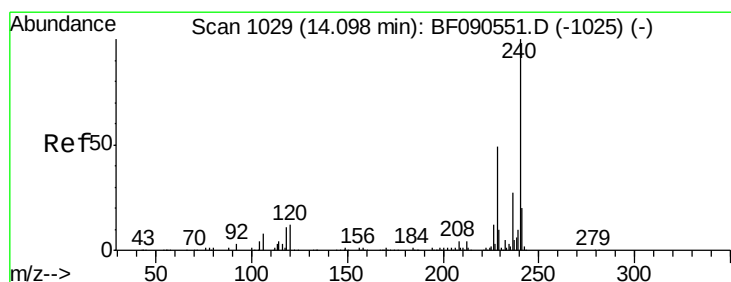
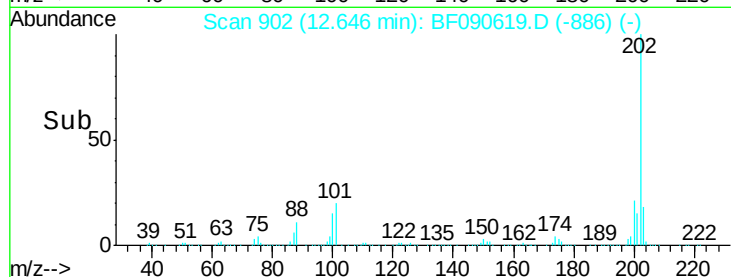
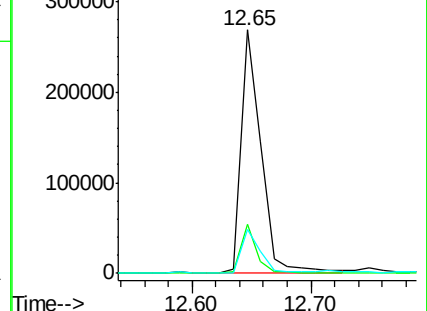
Tgt Ion:	202	Resp:	314212
Ion Ratio	Lower	Upper	
202	100		
101	20.2	0.0	31.1
203	18.0	0.0	38.0



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

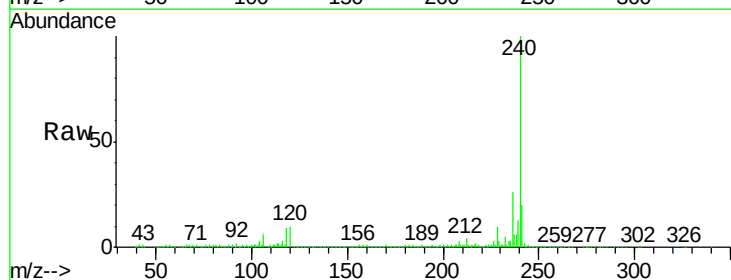
RT: 14.09 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

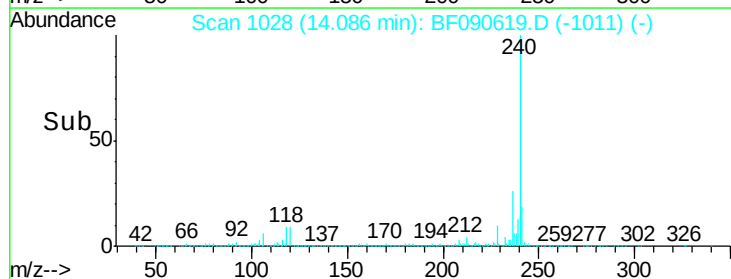
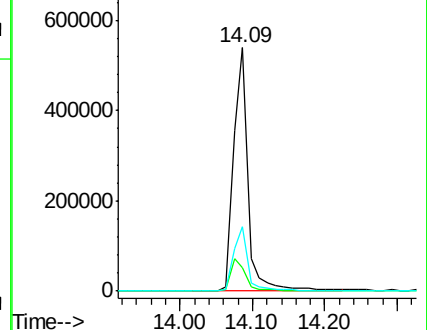
Tgt Ion:	240	Resp:	740310
Ion Ratio	Lower	Upper	
240	100		
120	9.6	9.8	14.8#
236	26.4	21.7	32.5

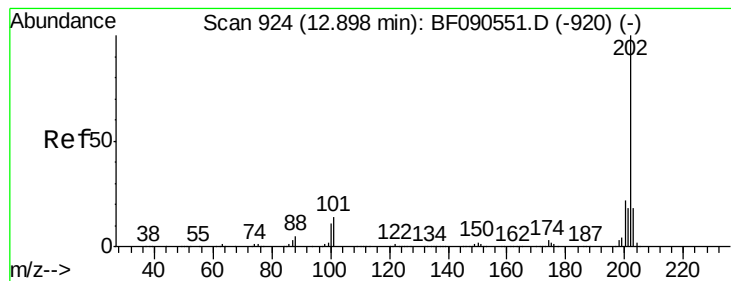


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.77 ng

RT: 12.87 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

Instrument :

BNA_F

ClientSampleId :

2

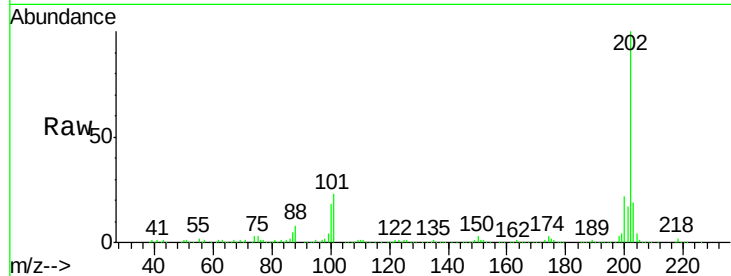
Tgt Ion: 202 Resp: 282819

Ion Ratio Lower Upper

202 100

200 22.4 17.8 26.6

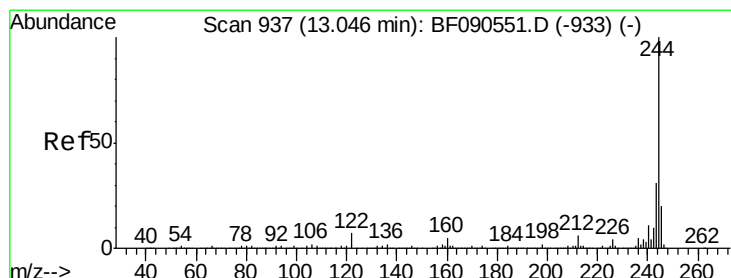
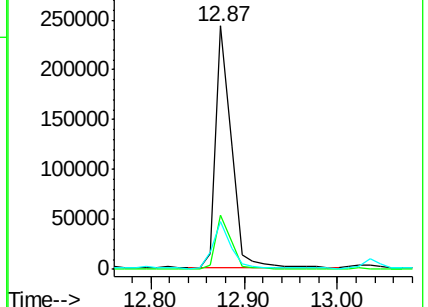
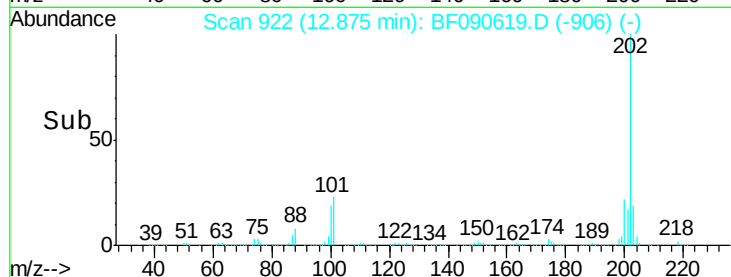
203 19.4 14.6 21.8



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: 25.44 ng

RT: 13.02 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

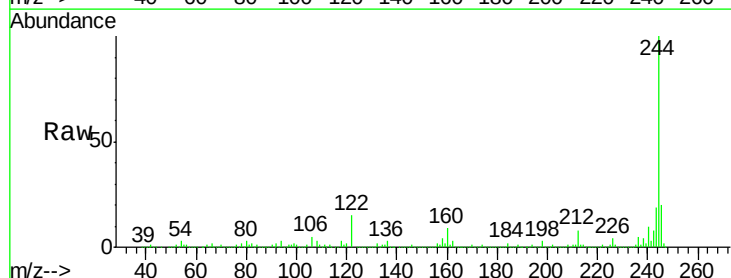
Tgt Ion: 244 Resp: 808937

Ion Ratio Lower Upper

244 100

212 7.6 5.0 7.4#

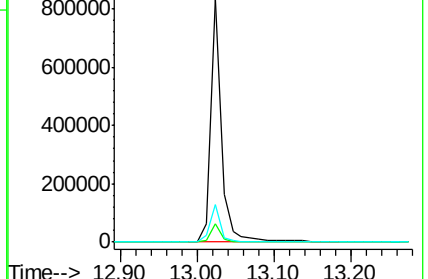
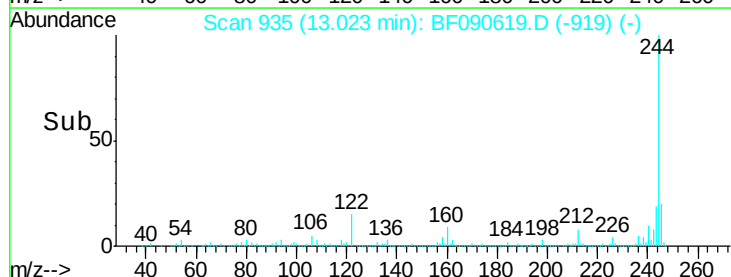
122 15.2 5.6 8.4#

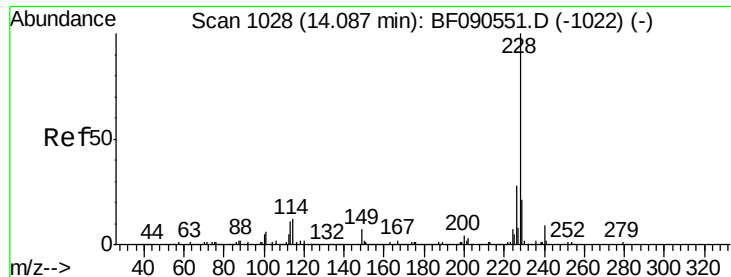


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.73 ng

RT: 14.07 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

Instrument :

BNA_F

ClientSampleId :

2

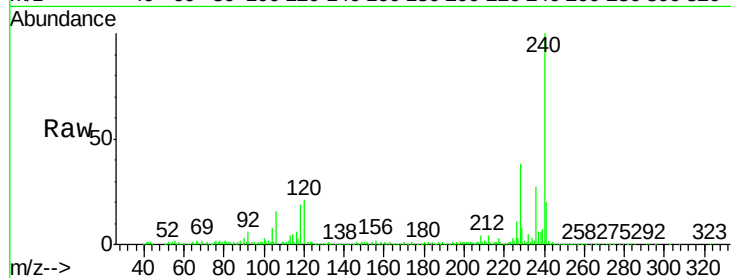
Tgt Ion:228 Resp: 367912

Ion Ratio Lower Upper

228 100

226 29.5 22.8 34.2

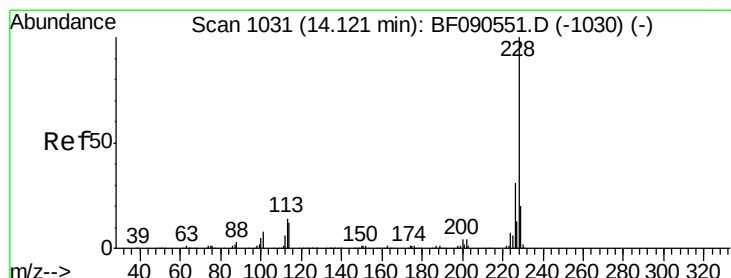
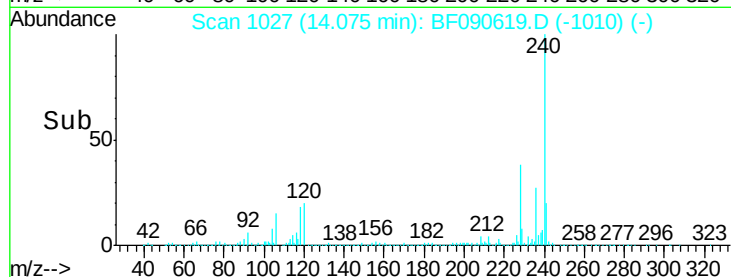
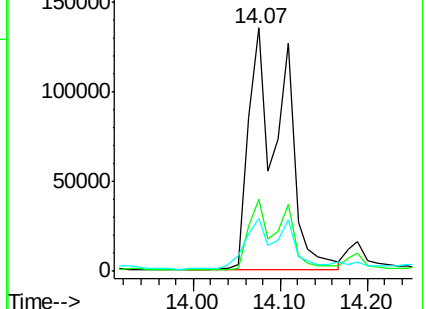
229 21.9 16.6 25.0



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: 9.06 ng

RT: 14.07 min Scan# 1027

Delta R.T. -0.03 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

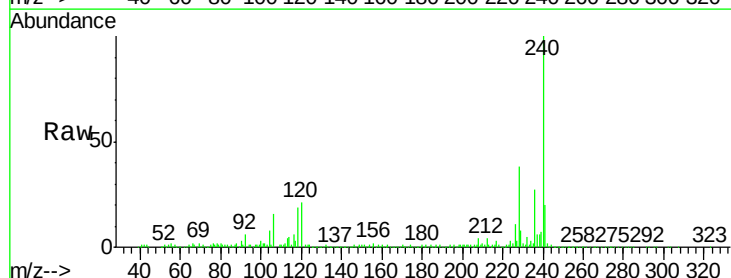
Tgt Ion:228 Resp: 367912

Ion Ratio Lower Upper

228 100

226 29.5 24.8 37.2

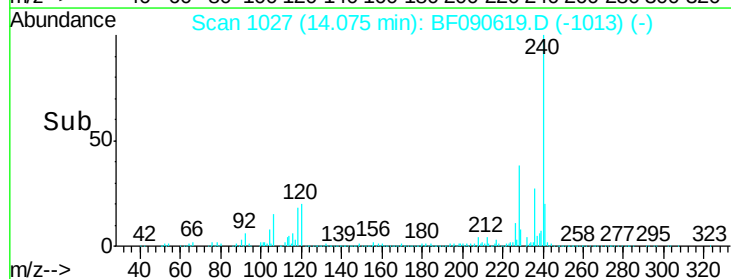
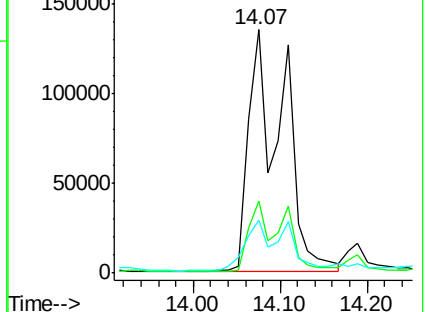
229 21.9 16.2 24.4

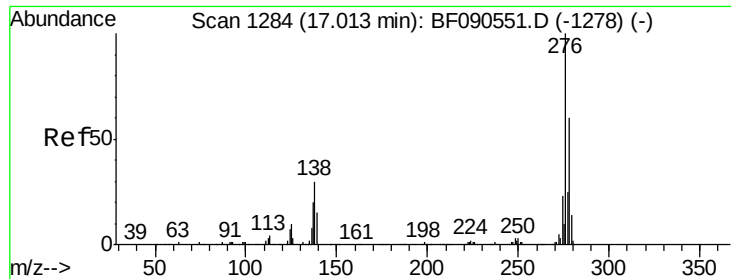


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

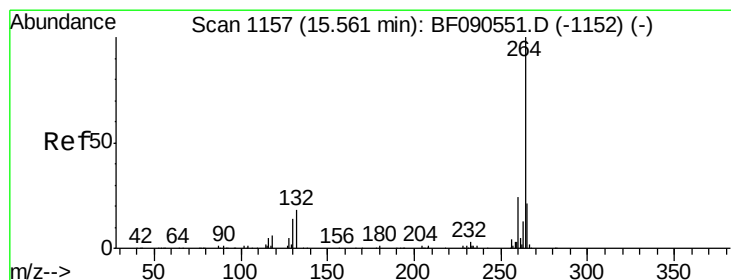
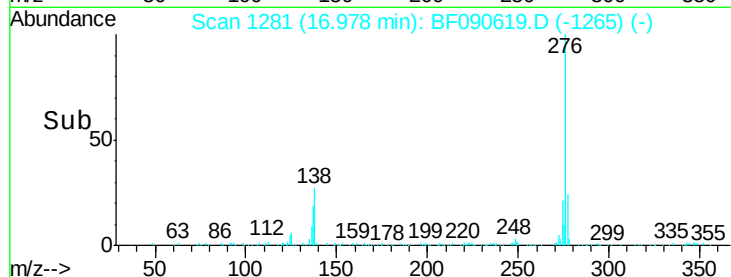
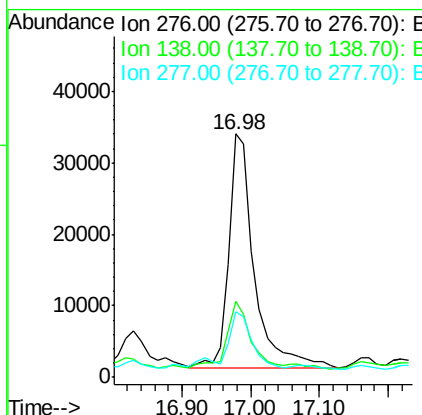
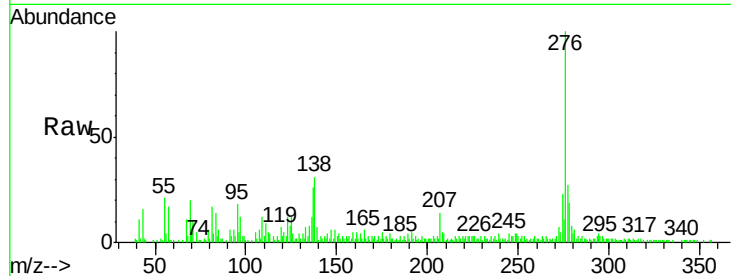




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.64 ng
 RT: 16.98 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

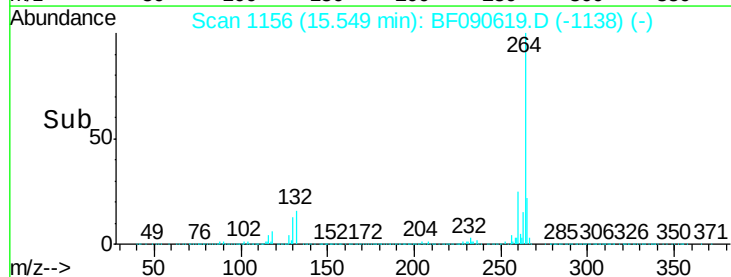
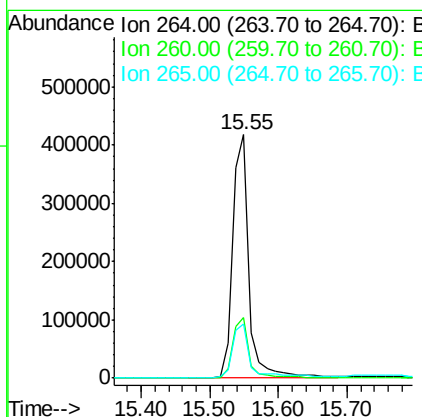
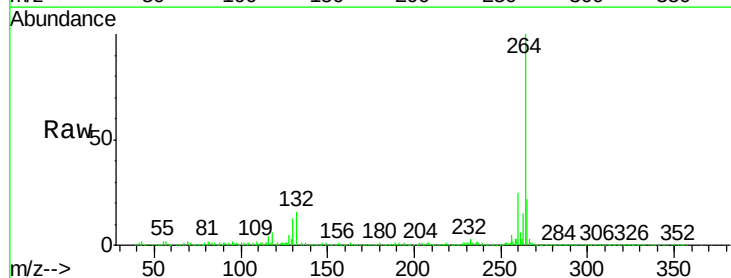
Instrument :
 BNA_F
 ClientSampleId :
 2

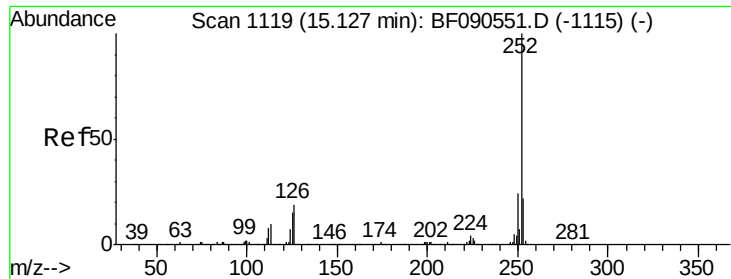
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	25.8	38.6#
277	25.5	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.55 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: BF090619.D
 Acq: 17 Oct 2016 20:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.3	28.9
265	22.3	16.7	25.1





#87

Benzo(b)fluoranthene

Concen: 7.31 ng

RT: 15.12 min Scan# 1118

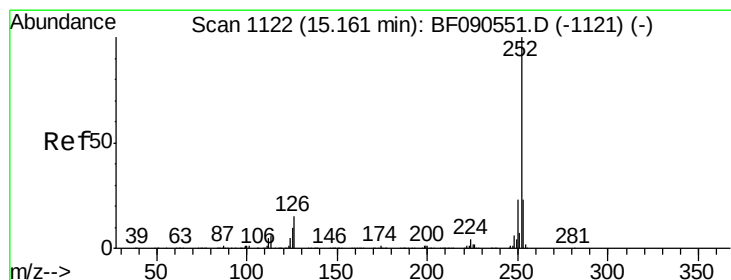
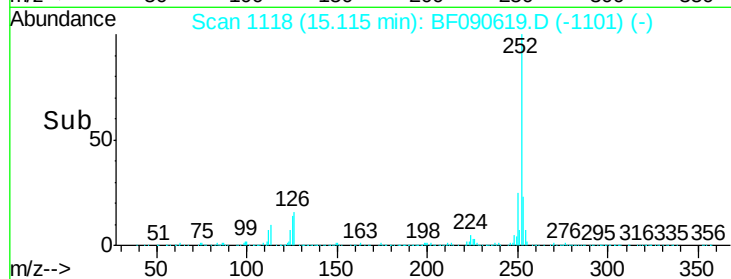
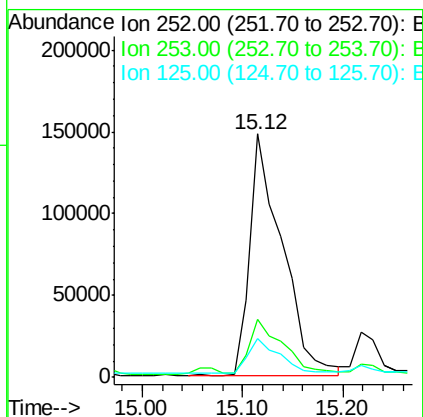
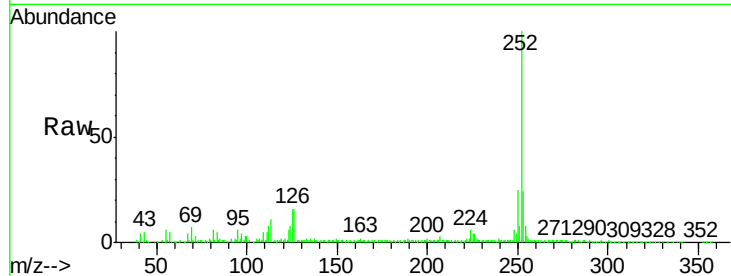
Delta R.T. -0.00 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

Instrument :
BNA_F
ClientSampleId :
2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	15.7	12.0	18.0



#88

Benzo(k)fluoranthene

Concen: 6.79 ng

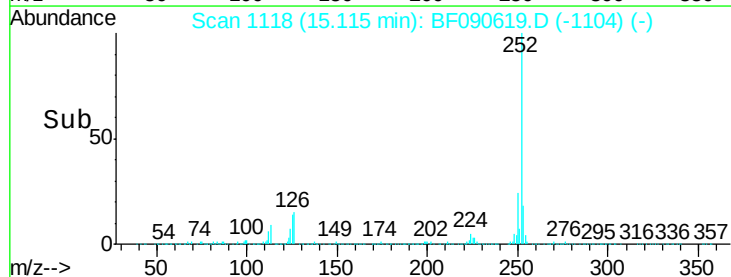
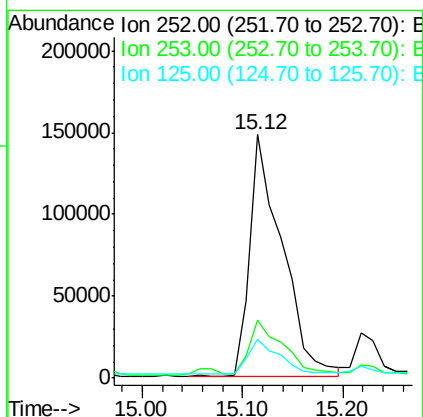
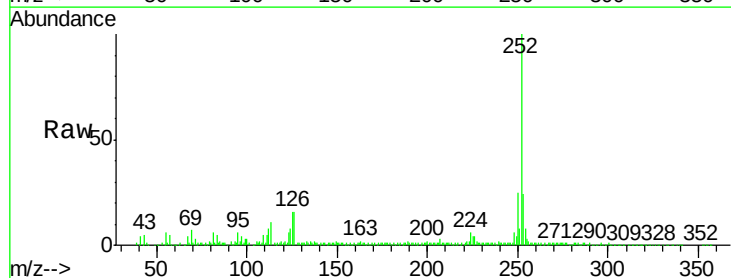
RT: 15.12 min Scan# 1118

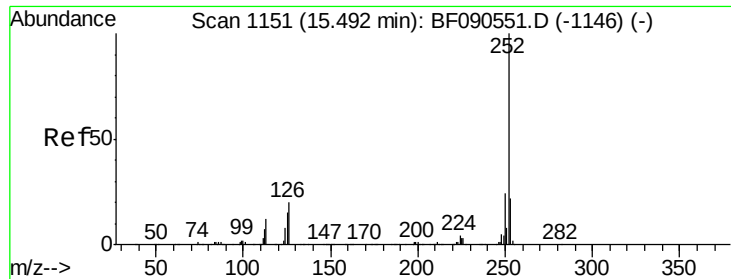
Delta R.T. -0.03 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	15.7	10.0	15.0#





#89

Benzo(a)pyrene

Concen: 4.07 ng

RT: 15.48 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

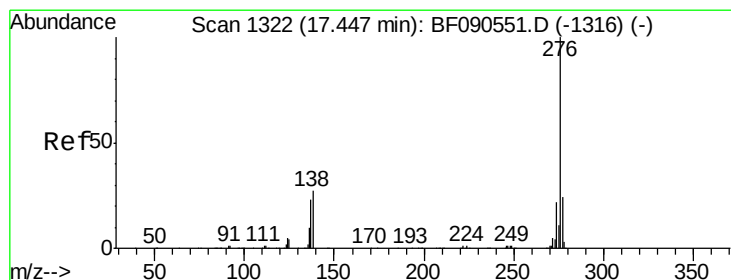
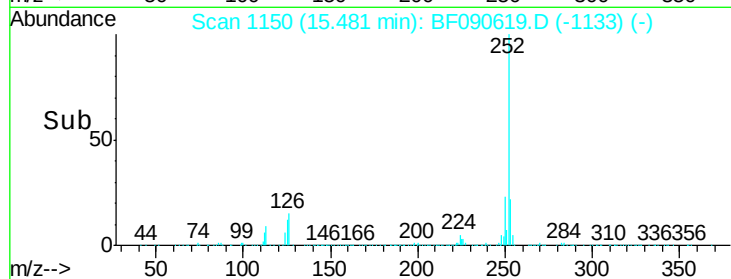
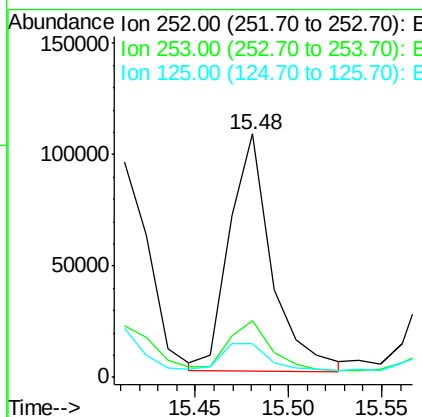
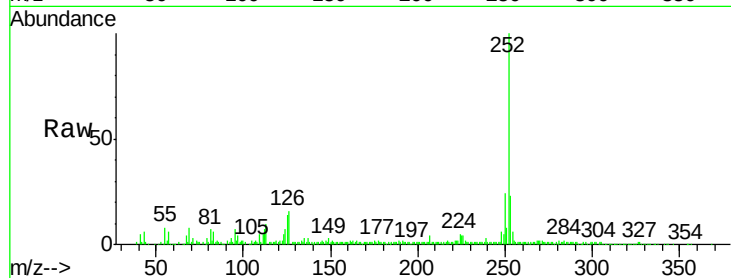
Instrument :

BNA_F

ClientSampleId :

2

Tgt Ion:	252	Resp:	168249
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	13.6	12.3	18.5



#91

Benzo(g,h,i)perylene

Concen: 2.70 ng

RT: 17.41 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF090619.D

Acq: 17 Oct 2016 20:34

Tgt Ion:	276	Resp:	81091
Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	29.9	21.8	32.8

