

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101716\
 Data File : BF090620.D
 Acq On : 17 Oct 2016 21:02
 Operator : UM/SJ
 Sample : H5227-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

Quant Time: Oct 18 01:15:47 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

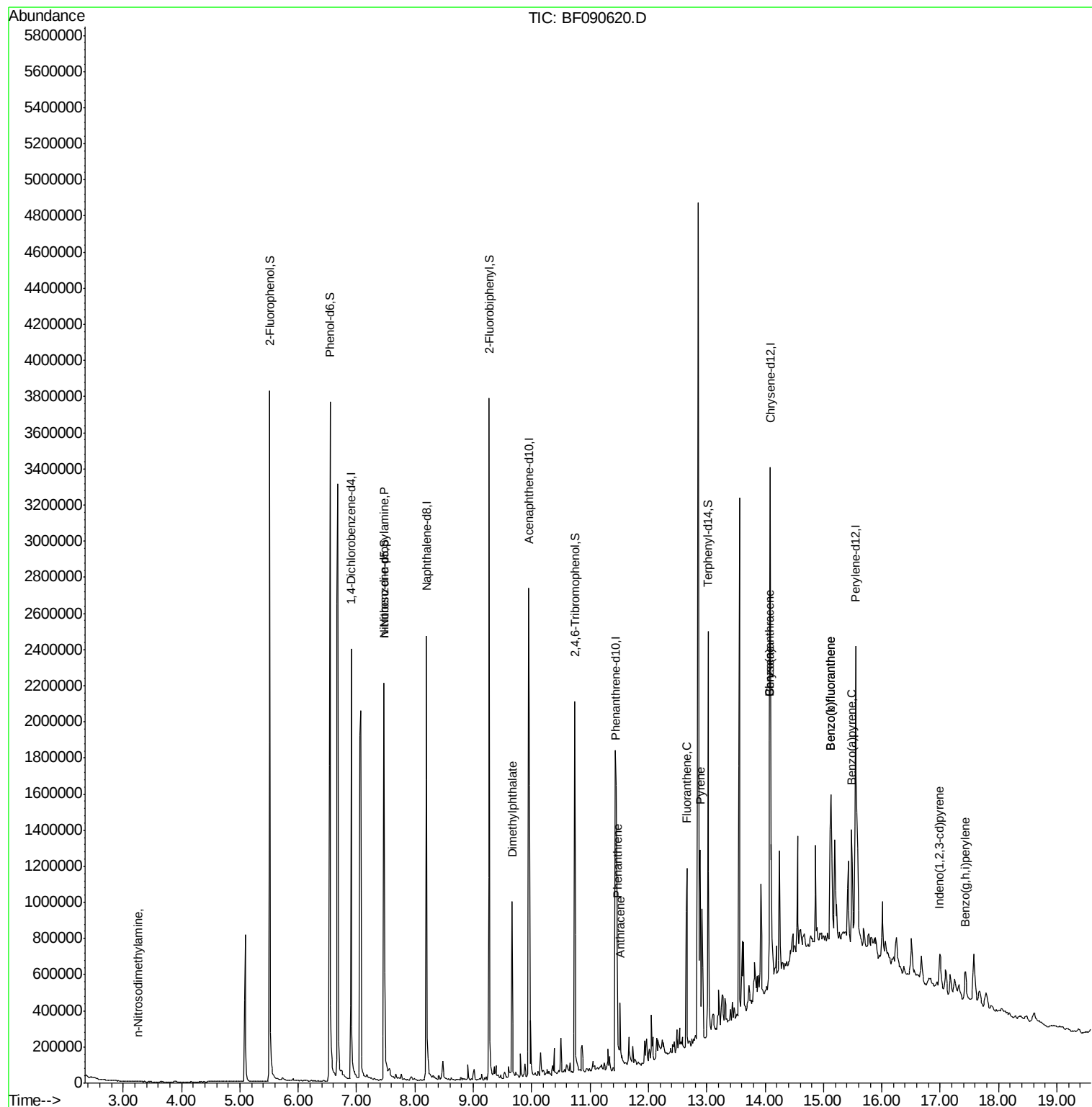
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	371393	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	1475942	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	697565	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	974522	20.00	ng	0.00
75) Chrysene-d12	14.09	240	944999	20.00	ng	0.00
86) Perylene-d12	15.55	264	794954	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1224066	60.42	ng	0.00
7) Phenol-d6	6.54	99	1613530	53.60	ng	0.00
23) Nitrobenzene-d5	7.47	82	918533	34.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	234138	37.65	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1188307	28.07	ng	0.00
78) Terphenyl-d14	13.02	244	767972	18.92	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	3.26	42	851	7.25	ng	Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.47	70	105711	5.12	ng	# 79
49) Dimethylphthalate	9.66	163	363221	8.03	ng	99
70) Phenanthrene	11.47	178	399383	7.68	ng	98
71) Anthracene	11.51	178	171097	3.06	ng	99
74) Fluoranthene	12.66	202	539943	10.32	ng	99
77) Pyrene	12.89	202	561611	8.97	ng	98
80) Benzo(a)anthracene	14.08	228	363111	6.75	ng	93
82) Chrysene	14.08	228	363111	7.01	ng	95
85) Indeno(1,2,3-cd)pyrene	16.99	276	160219	5.35	ng	94
87) Benzo(b)fluoranthene	15.13	252	642958	12.36	ng	98
88) Benzo(k)fluoranthene	15.13	252	642958	11.49	ng	# 96
89) Benzo(a)pyrene	15.48	252	340691	7.15	ng	# 94
91) Benzo(g,h,i)perylene	17.44	276	145518	4.20	ng	97

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

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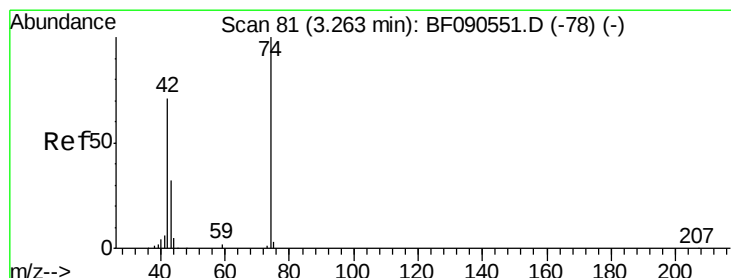
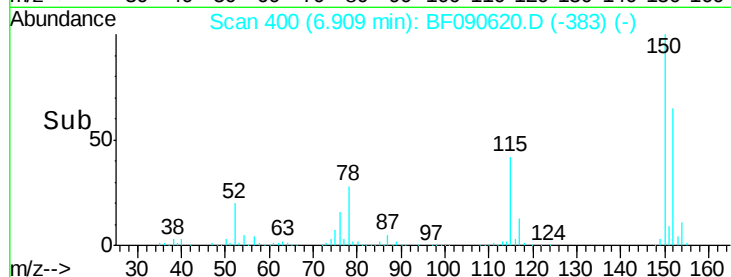
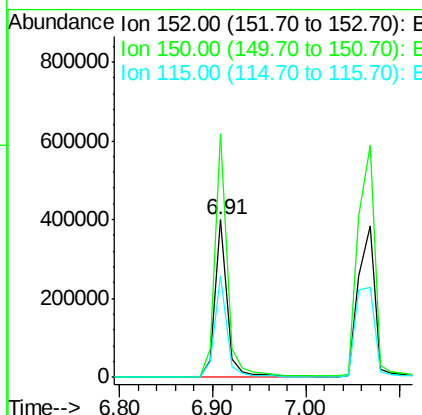
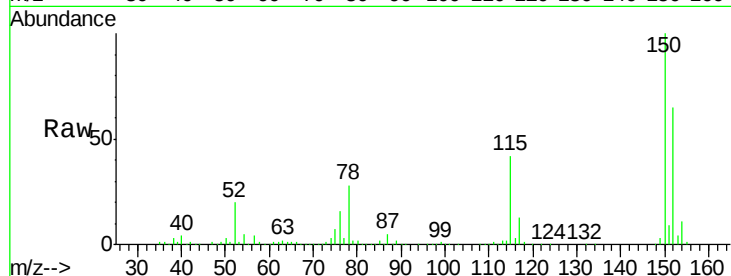




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.91 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

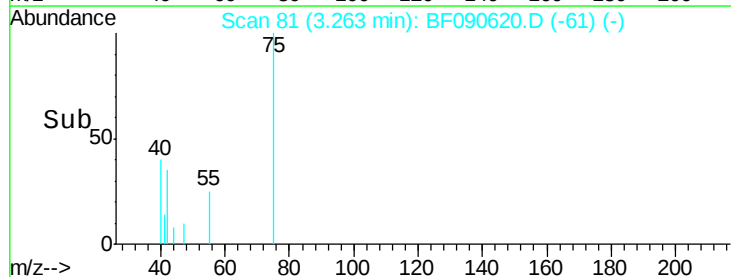
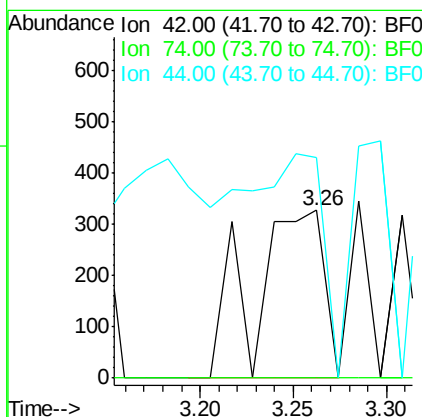
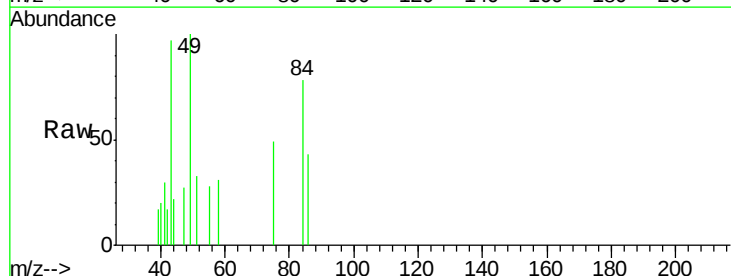
Instrument :
 BNA_F
 ClientSampleId :
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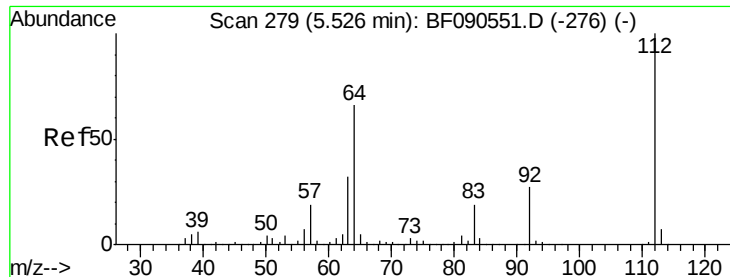
Tgt Ion:152 Resp: 371393
 Ion Ratio Lower Upper
 152 100
 150 154.4 127.2 190.8
 115 64.3 58.6 88.0



#4
 n-Nitrosodimethylamine
 Concen: 7.25 ng
 RT: 3.26 min Scan# 81
 Delta R.T. 0.03 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

Tgt Ion: 42 Resp: 851
 Ion Ratio Lower Upper
 42 100
 74 0.0 113.3 169.9#
 44 131.2 6.0 9.0#





#5

2-Fluorophenol

Concen: 60.42 ng

RT: 5.51 min Scan# 278

Delta R.T. -0.00 min

Lab File: BF090620.D

Acq: 17 Oct 2016 21:02

Instrument :

BNA_F

ClientSampleId :

1

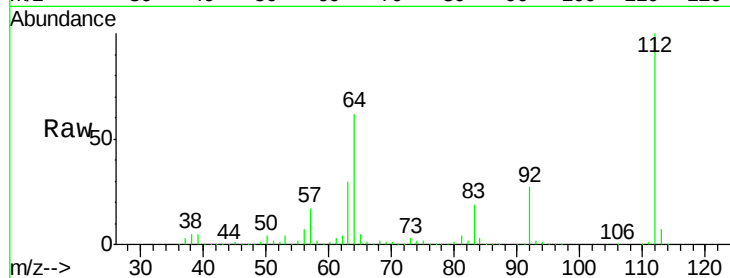
Tgt Ion: 112 Resp: 1224066

Ion Ratio Lower Upper

112 100

64 61.8 52.6 78.8

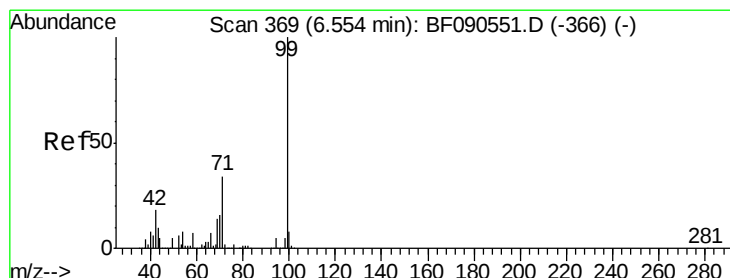
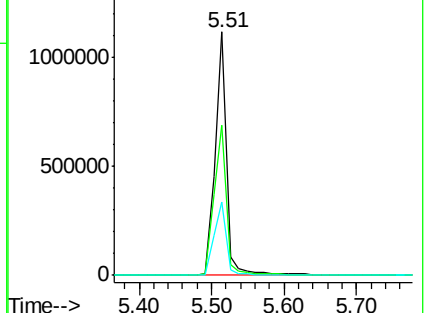
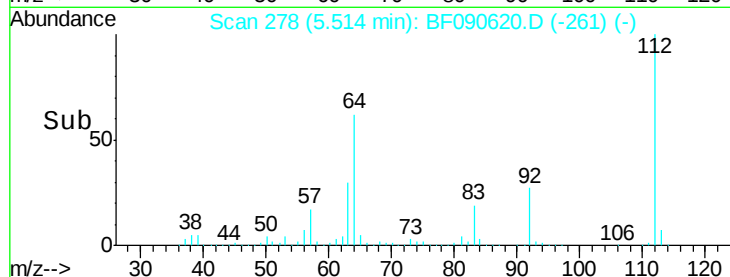
63 30.4 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 53.60 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF090620.D

Acq: 17 Oct 2016 21:02

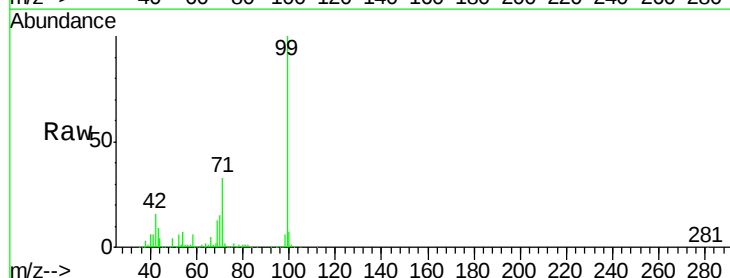
Tgt Ion: 99 Resp: 1613530

Ion Ratio Lower Upper

99 100

42 16.0 14.7 22.1

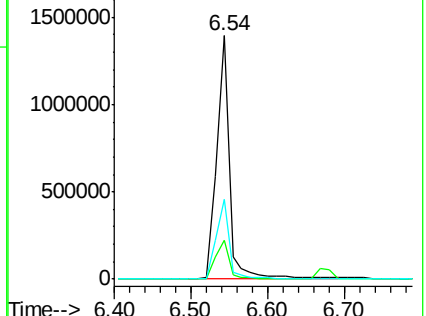
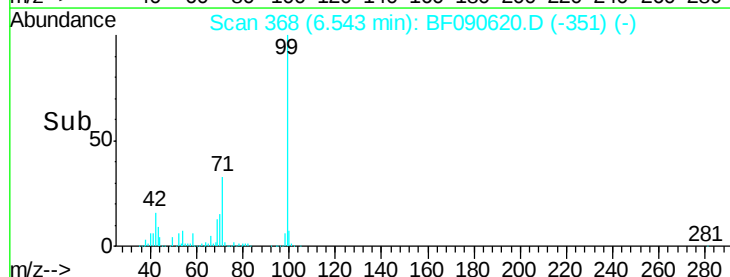
71 33.0 27.6 41.4

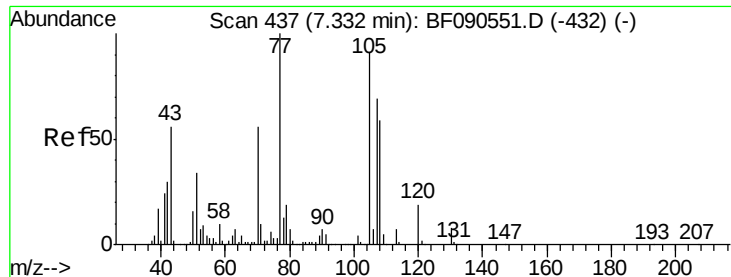


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

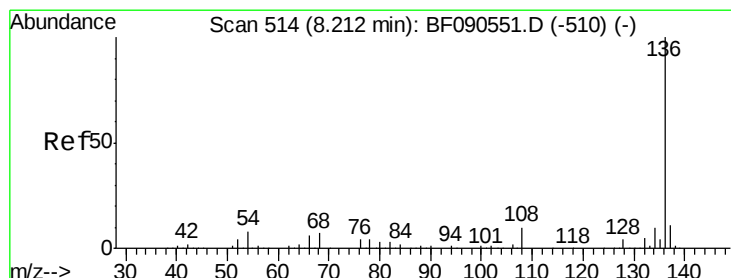
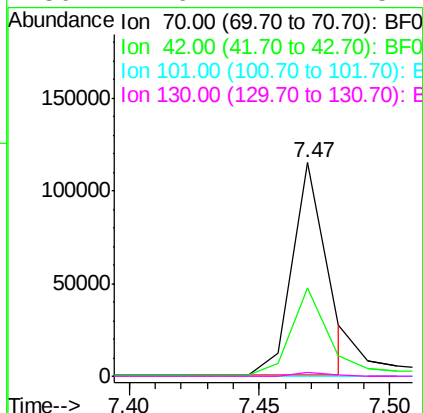
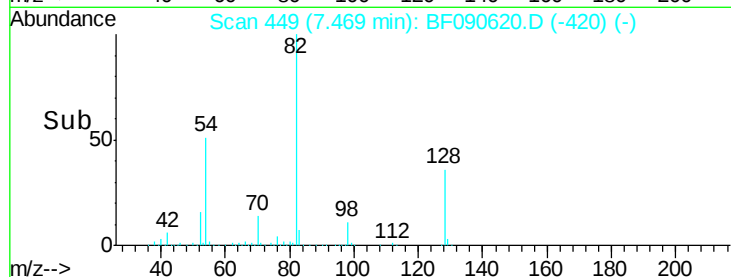
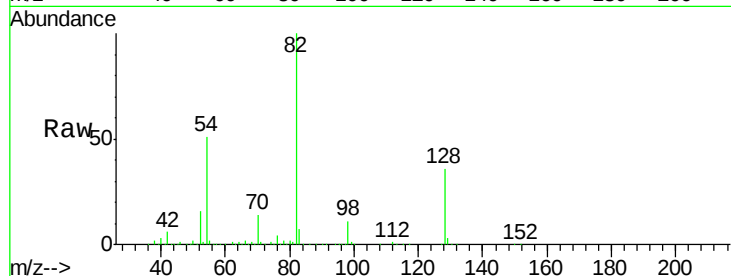




#19
n-Nitroso-di-n-propylamine
Concen: 5.12 ng
RT: 7.47 min Scan# 449
Delta R.T. 0.14 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

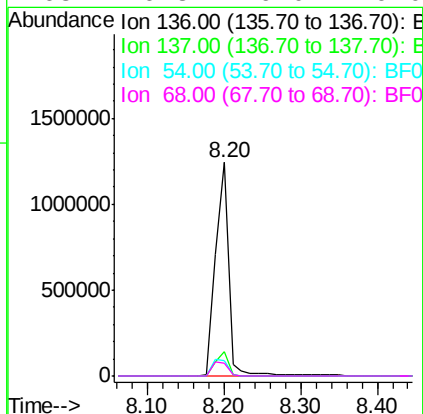
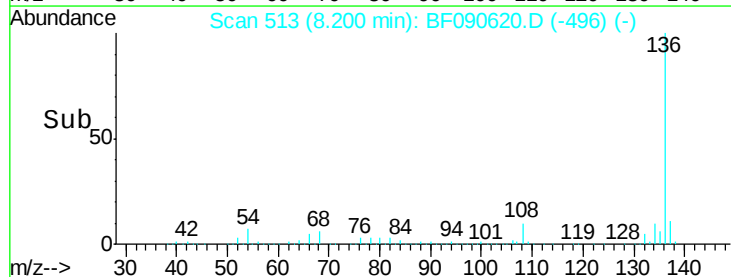
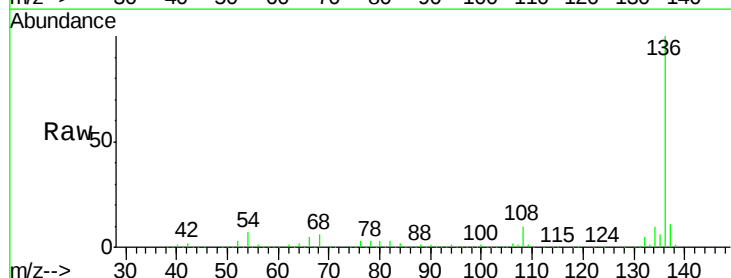
Instrument :
BNA_F
ClientSampleId :
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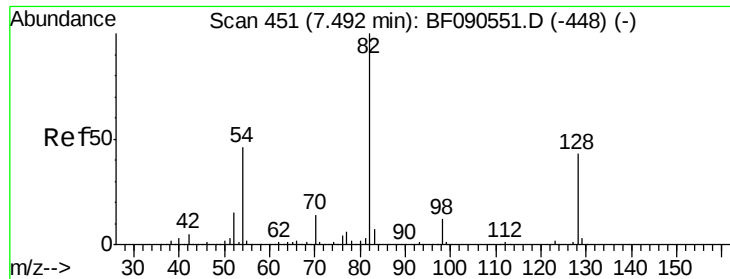
Tgt Ion: 70 Resp: 105711
Ion Ratio Lower Upper
70 100
42 41.7 43.4 65.0#
101 0.0 6.4 9.6#
130 1.6 12.1 18.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 513
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion: 136 Resp: 1475942
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.1 6.8 10.2
68 6.3 6.0 9.0

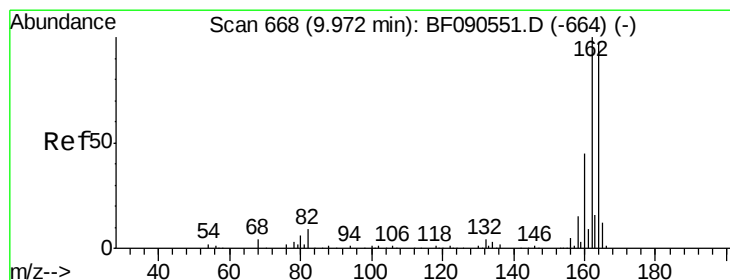
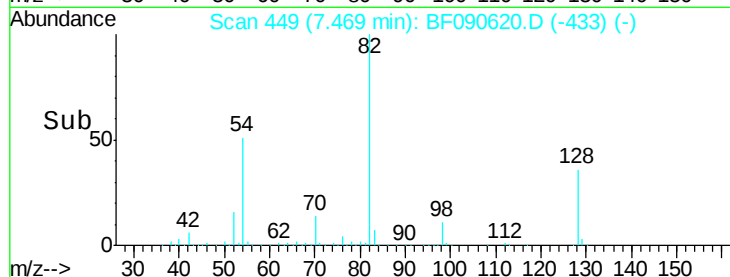
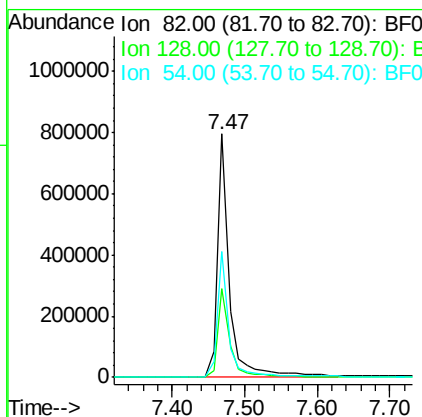
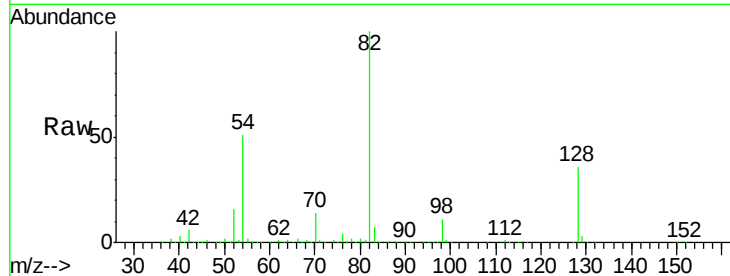




#23
 Nitrobenzene-d5
 Concen: 34.57 ng
 RT: 7.47 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

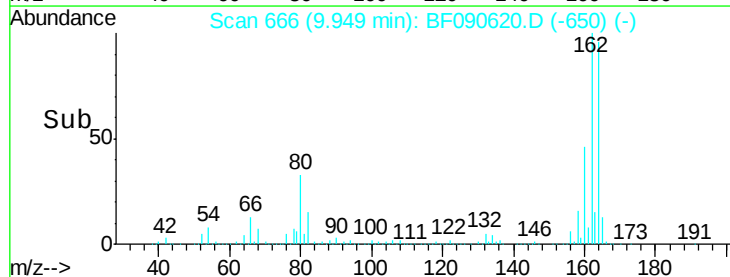
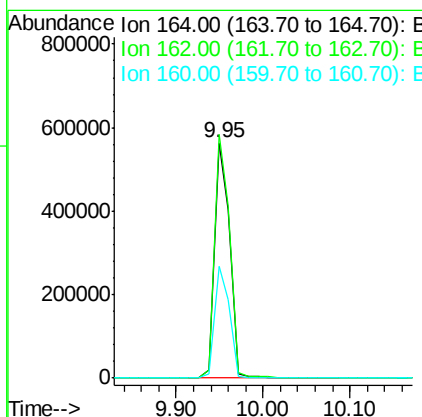
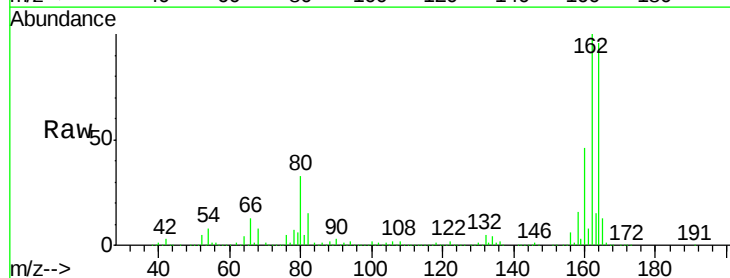
Instrument :
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 ClientSampleId :
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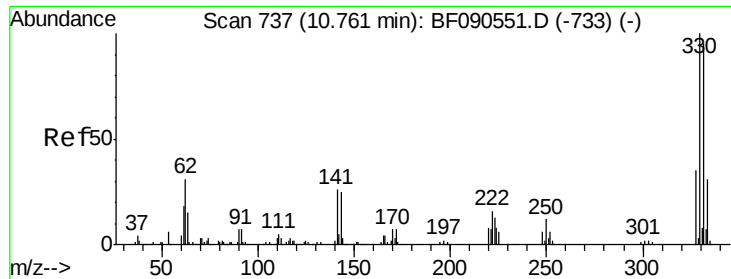
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.3	34.3	51.5
54	51.4	37.0	55.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.2	123.4
160	47.5	36.6	55.0

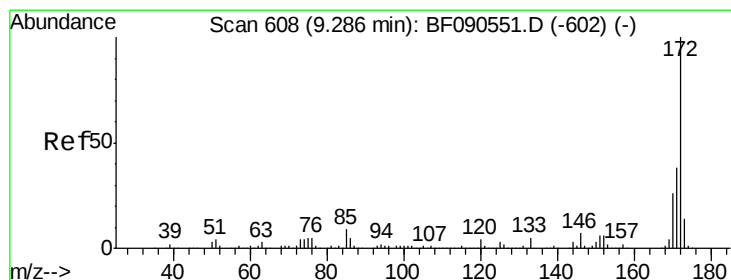
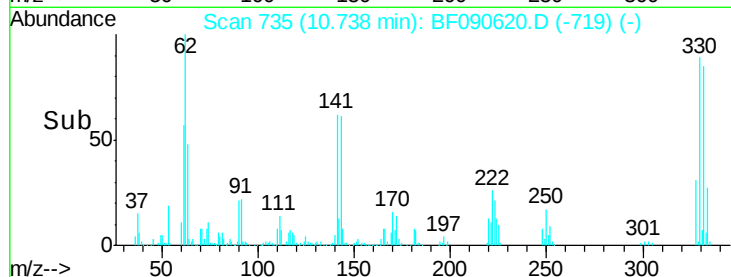
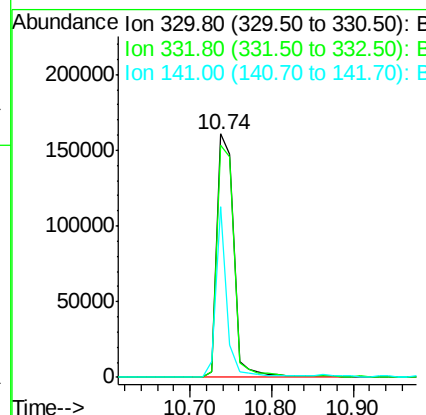
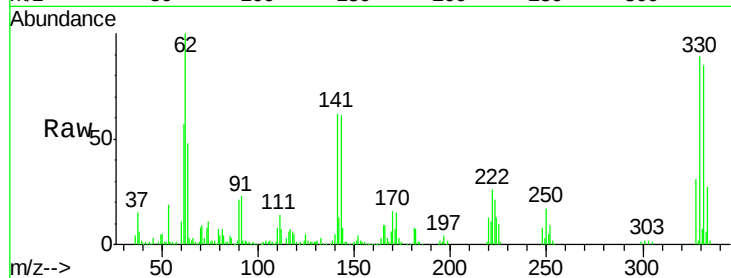




#41
 2,4,6-Tribromophenol
 Concen: 37.65 ng
 RT: 10.74 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

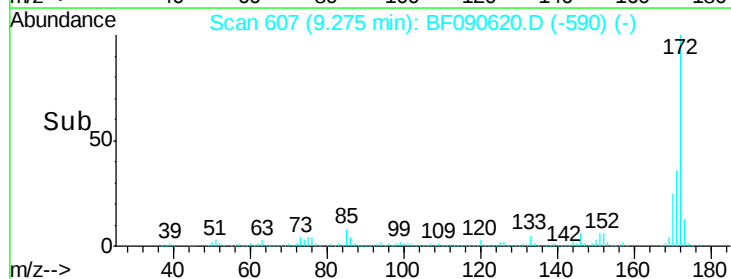
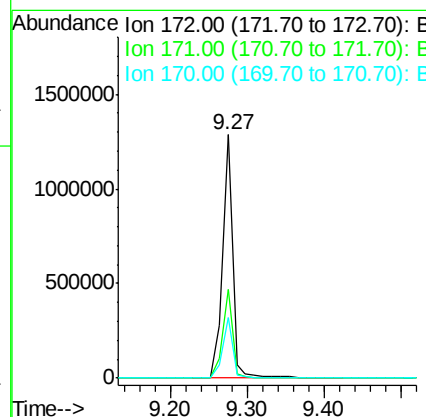
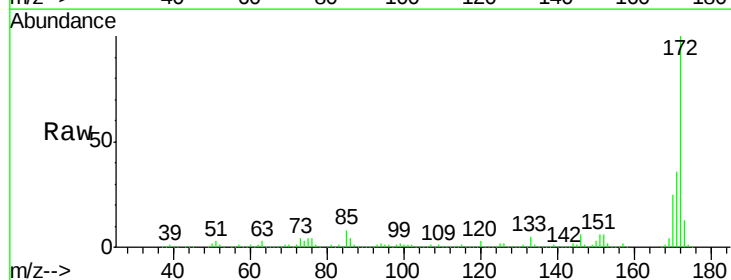
Instrument :
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 ClientSampled :
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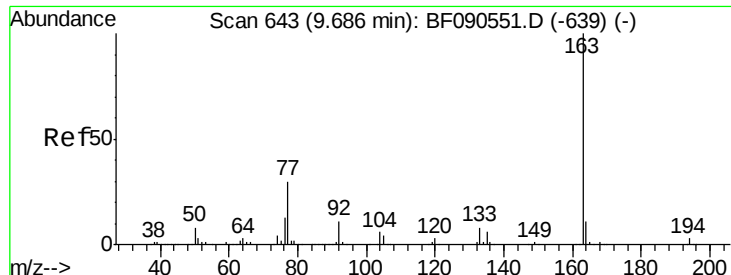
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.2	114.2
141	45.5	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 28.07 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.1	45.1
170	24.8	20.6	30.8

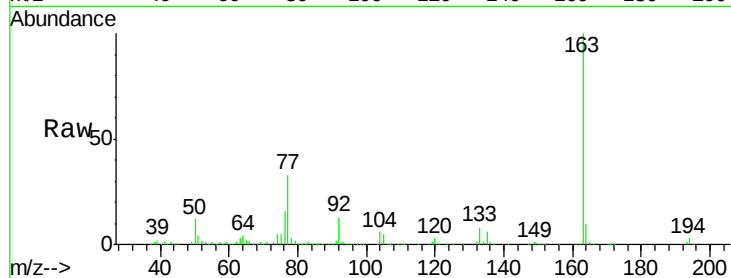




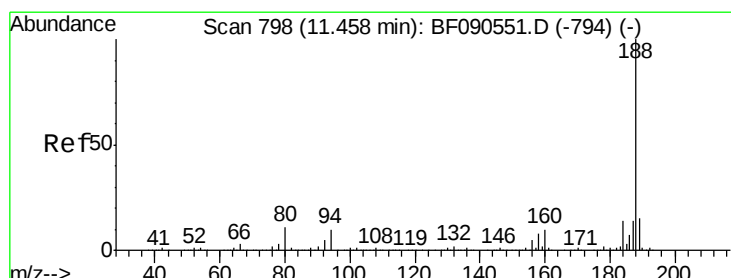
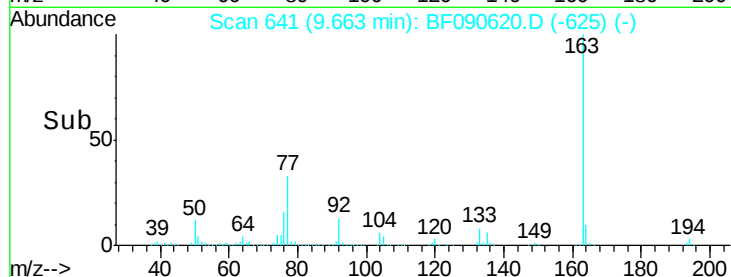
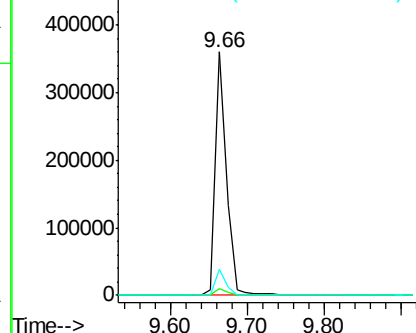
#49
Dimethylphthalate
Concen: 8.03 ng
RT: 9.66 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion:163 Resp: 363221
Ion Ratio Lower Upper
163 100
194 2.9 2.3 3.5
164 10.5 8.6 13.0

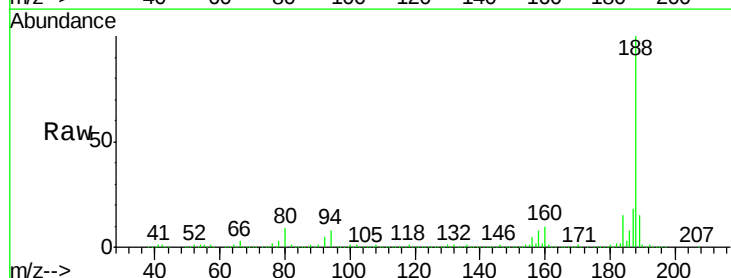


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

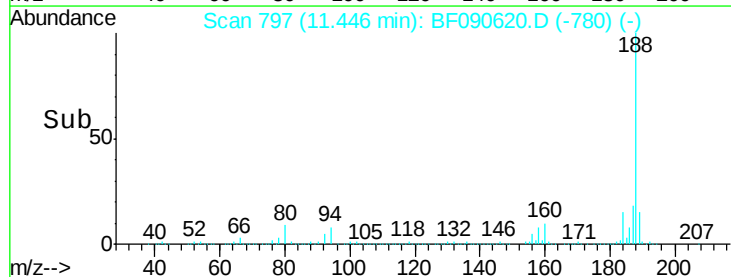
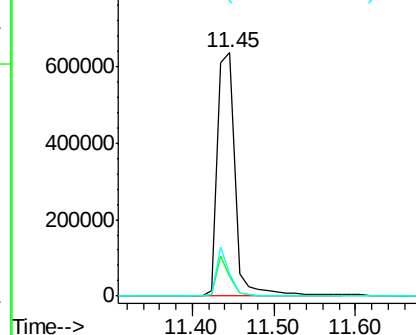


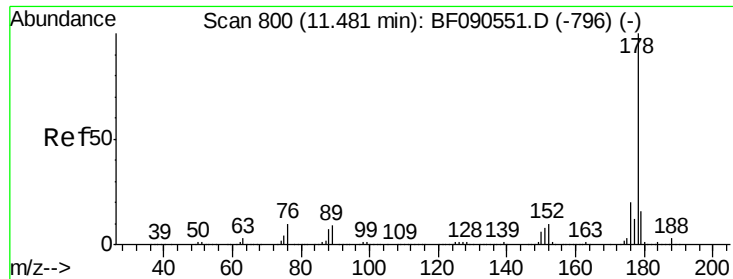
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 797
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion:188 Resp: 974522
Ion Ratio Lower Upper
188 100
94 8.2 7.7 11.5
80 9.1 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

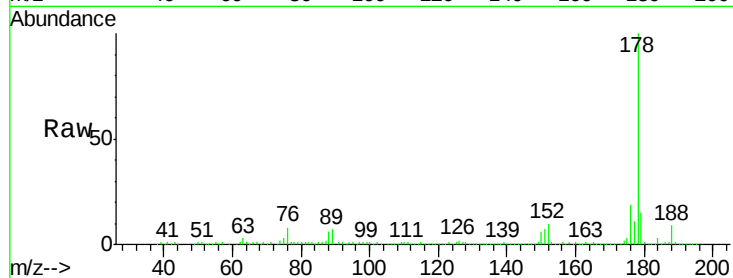




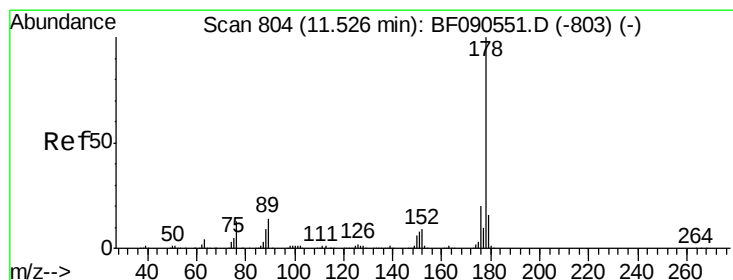
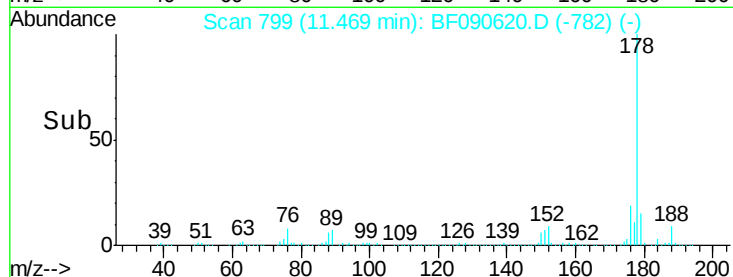
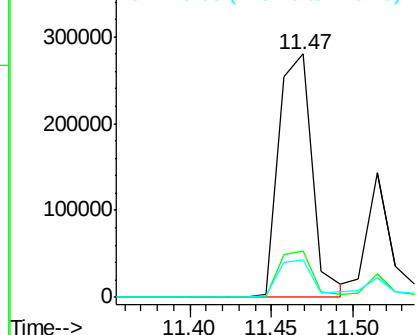
#70
Phenanthrene
Concen: 7.68 ng
RT: 11.47 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion:178 Resp: 399383
Ion Ratio Lower Upper
178 100
176 19.3 16.1 24.1
179 15.2 12.6 19.0

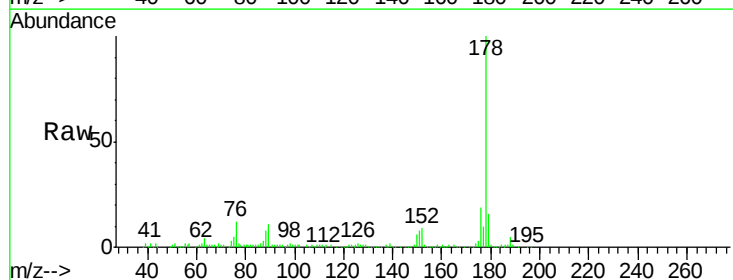


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

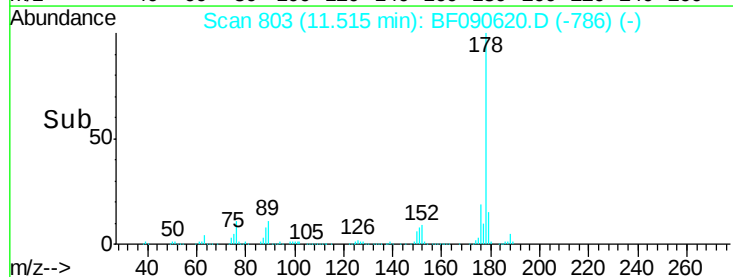
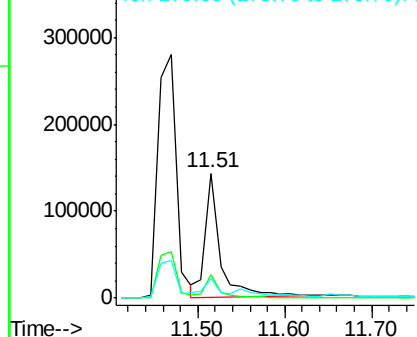


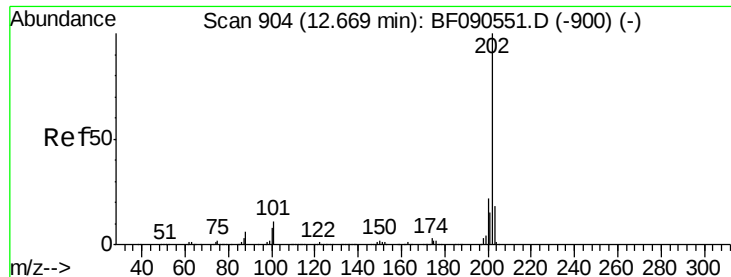
#71
Anthracene
Concen: 3.06 ng
RT: 11.51 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion:178 Resp: 171097
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.7 13.0 19.4



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: 10.32 ng

RT: 12.66 min Scan# 903

Delta R.T. -0.00 min

Lab File: BF090620.D

Acq: 17 Oct 2016 21:02

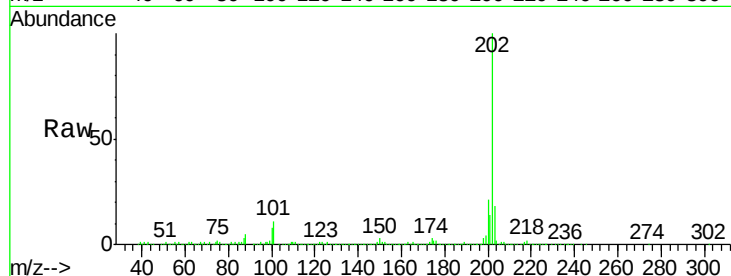
Instrument :

BNA_F

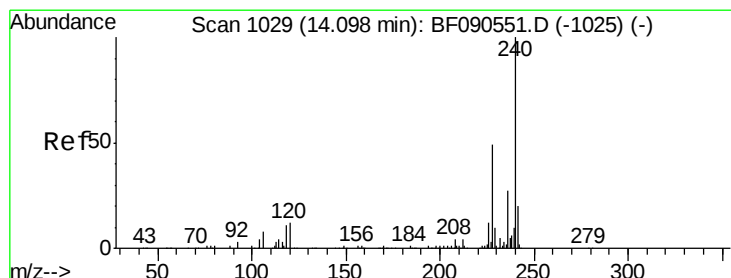
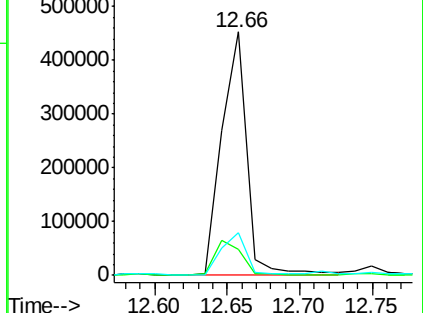
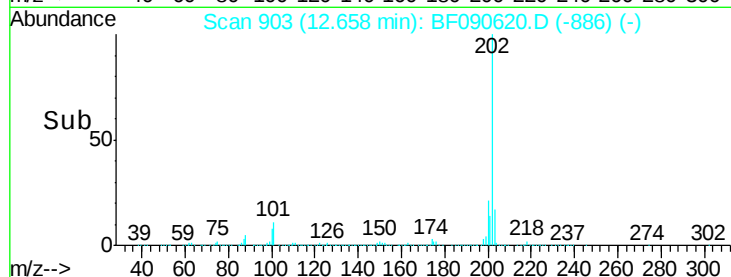
ClientSampleId :

1

Tgt Ion:	202	Resp:	539943
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.1
203	17.6	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

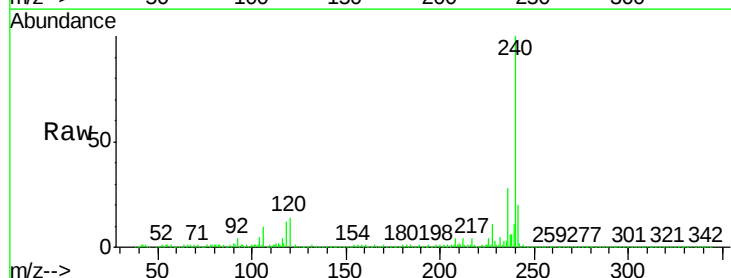
RT: 14.09 min Scan# 1028

Delta R.T. -0.00 min

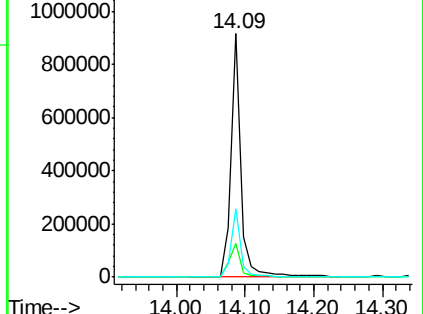
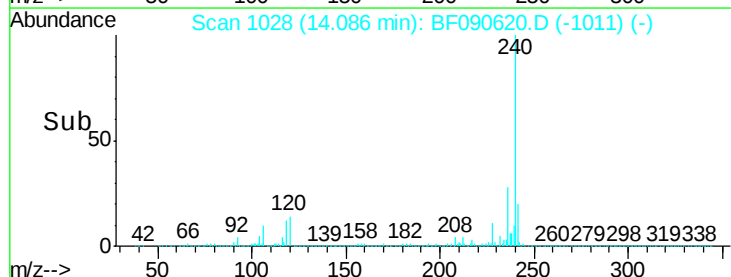
Lab File: BF090620.D

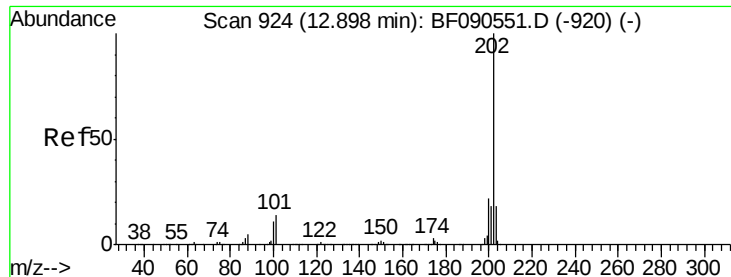
Acq: 17 Oct 2016 21:02

Tgt Ion:	240	Resp:	944999
Ion	Ratio	Lower	Upper
240	100		
120	13.6	9.8	14.8
236	28.1	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

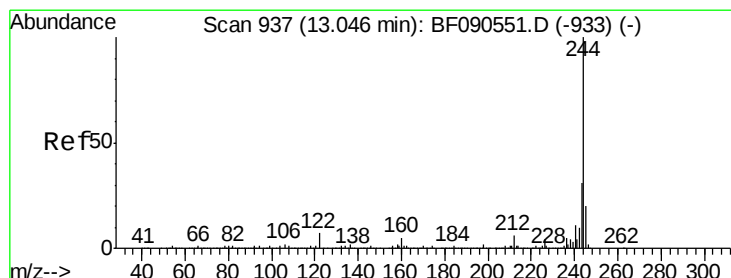
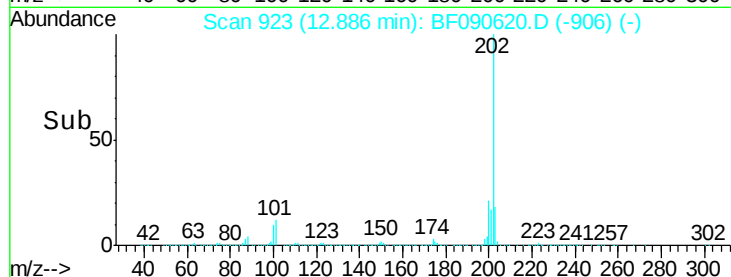
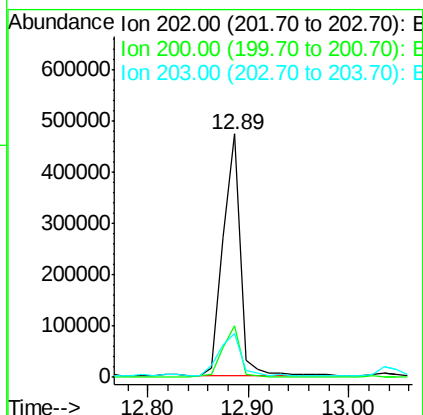
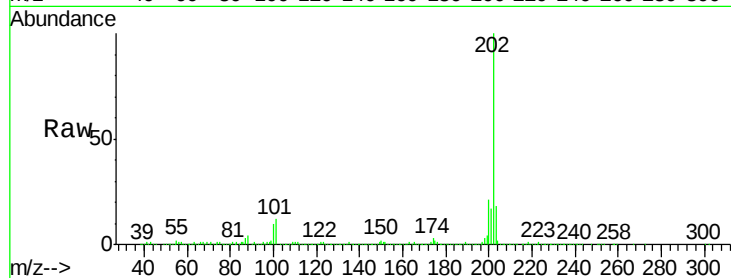




#77
Pyrene
Concen: 8.97 ng
RT: 12.89 min Scan# 923
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

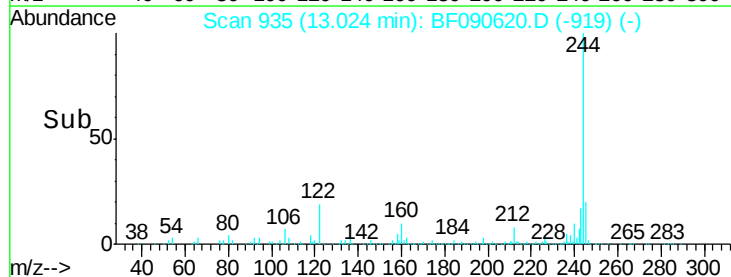
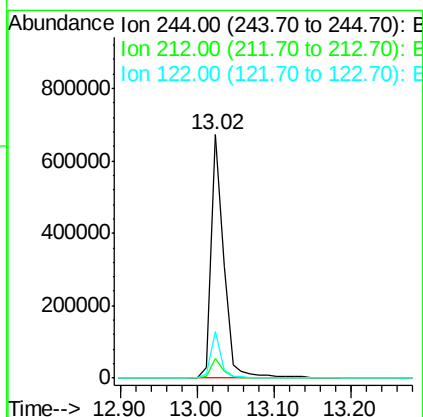
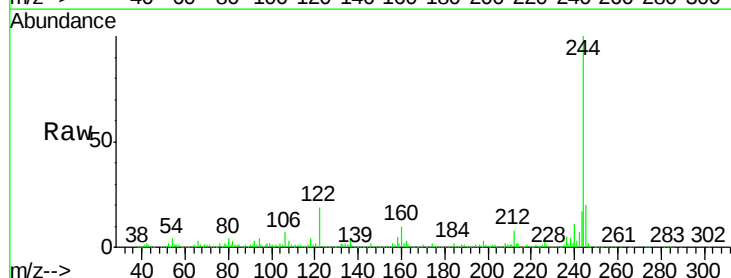
Instrument :
BNA_F
ClientSampleId :
1

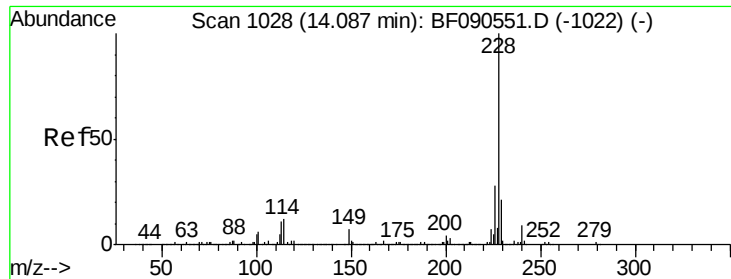
Tgt Ion:202 Resp: 561611
Ion Ratio Lower Upper
202 100
200 21.0 17.8 26.6
203 17.9 14.6 21.8



#78
Terphenyl-d14
Concen: 18.92 ng
RT: 13.02 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion:244 Resp: 767972
Ion Ratio Lower Upper
244 100
212 8.0 5.0 7.4#
122 19.1 5.6 8.4#

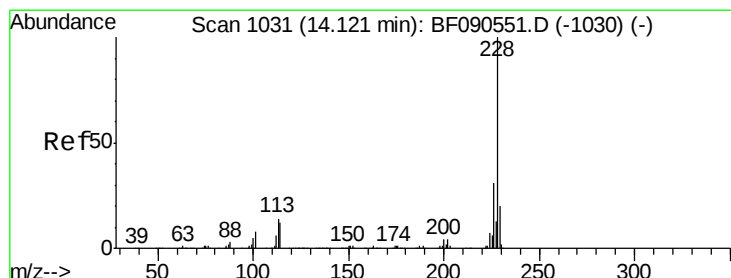
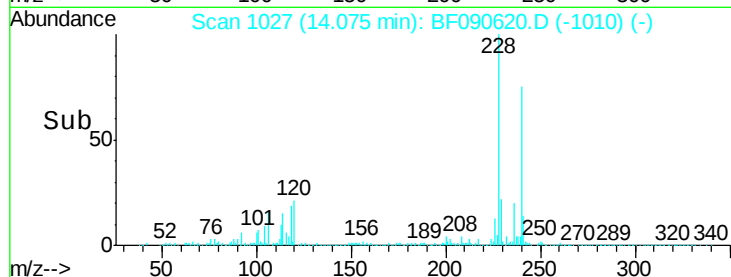
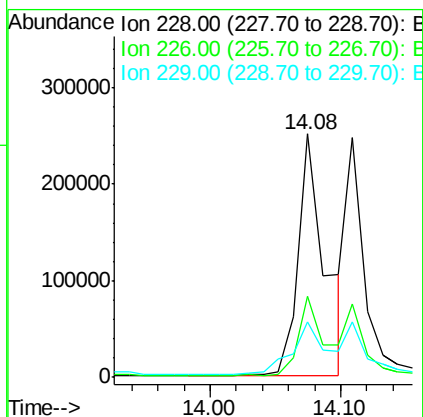
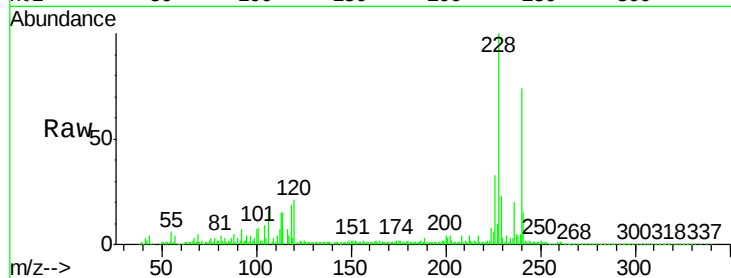




#80
Benzo(a)anthracene
Concen: 6.75 ng
RT: 14.08 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

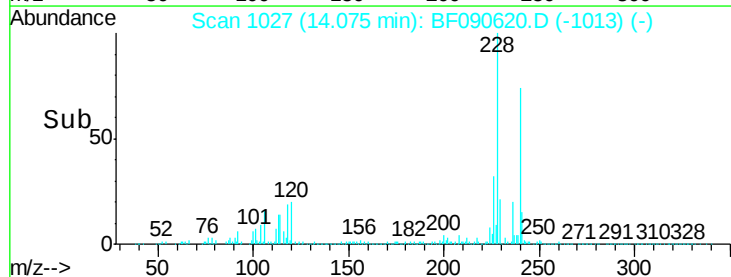
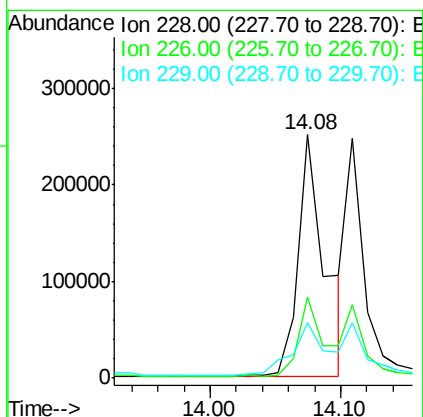
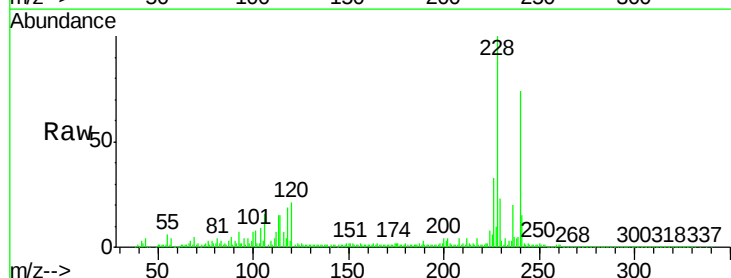
Instrument :
BNA_F
ClientSampleId :
1

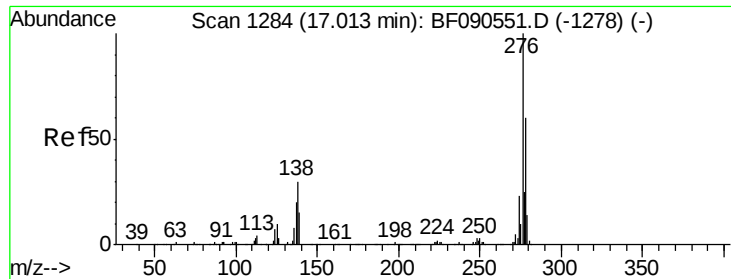
Tgt Ion:228 Resp: 363111
Ion Ratio Lower Upper
228 100
226 33.3 22.8 34.2
229 23.0 16.6 25.0



#82
Chrysene
Concen: 7.01 ng
RT: 14.08 min Scan# 1027
Delta R.T. -0.03 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion:228 Resp: 363111
Ion Ratio Lower Upper
228 100
226 33.3 24.8 37.2
229 23.0 16.2 24.4

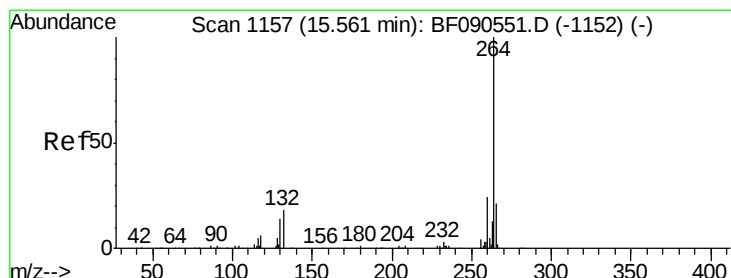
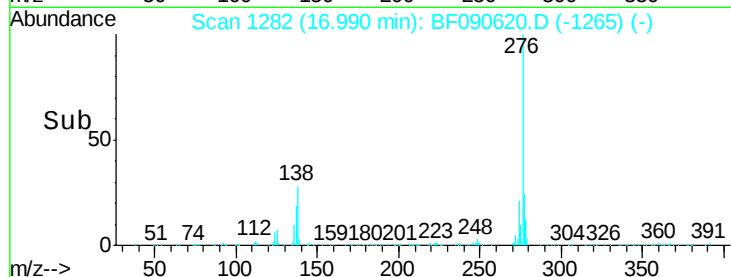
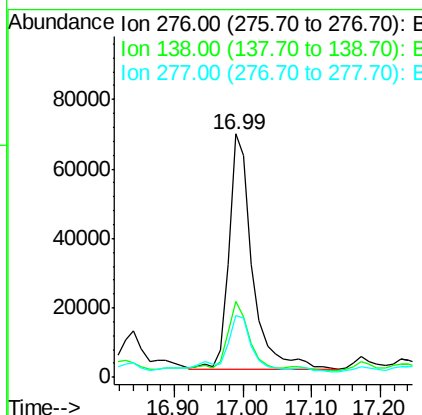
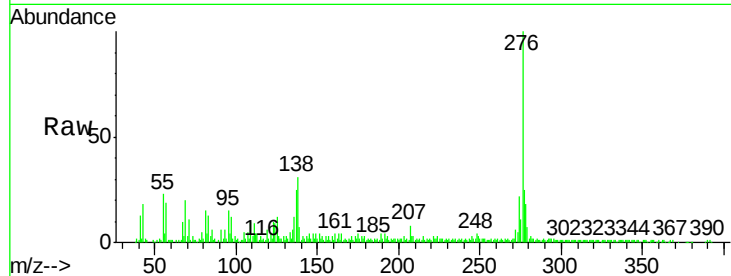




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.35 ng
 RT: 16.99 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

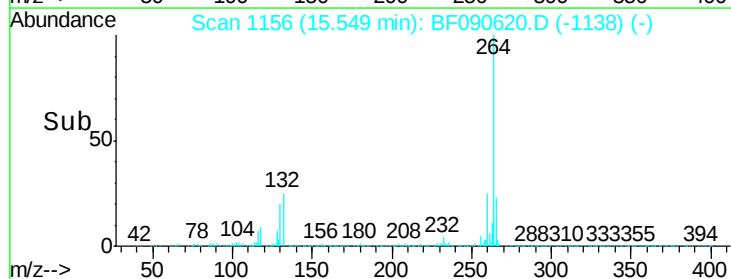
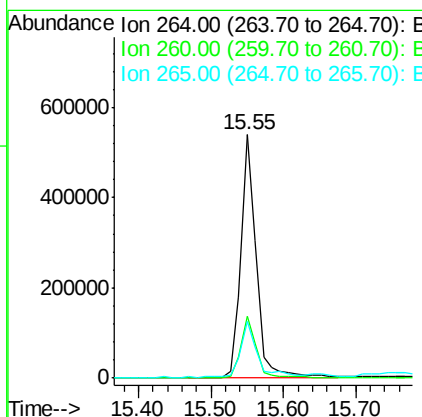
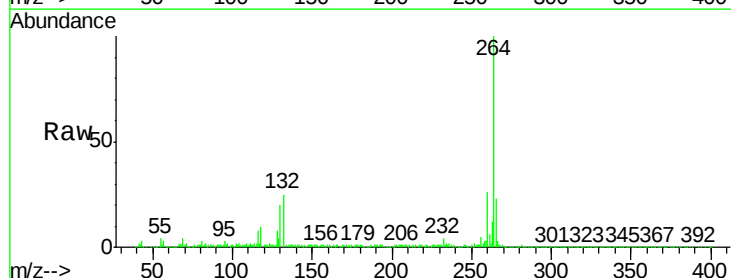
Instrument :
 BNA_F
 ClientSampleId :
 1

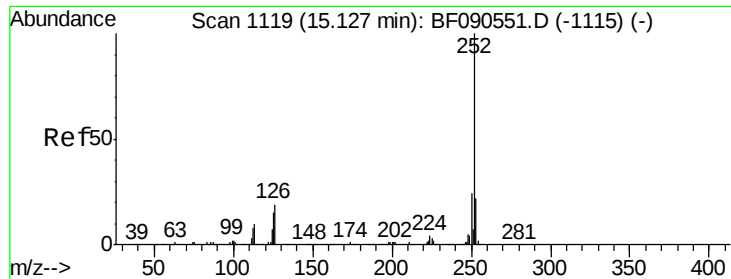
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	25.8	38.6
277	27.2	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.55 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: BF090620.D
 Acq: 17 Oct 2016 21:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.3	28.9
265	23.0	16.7	25.1





#87

Benzo(b)fluoranthene

Concen: 12.36 ng

RT: 15.13 min Scan# 1119

Delta R.T. 0.01 min

Lab File: BF090620.D

Acq: 17 Oct 2016 21:02

Instrument :

BNA_F

ClientSampleId :

1

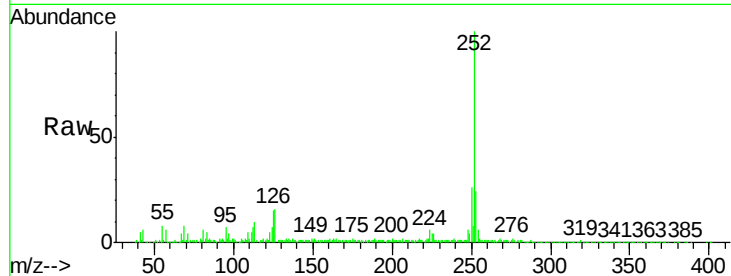
Tgt Ion:252 Resp: 642958

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

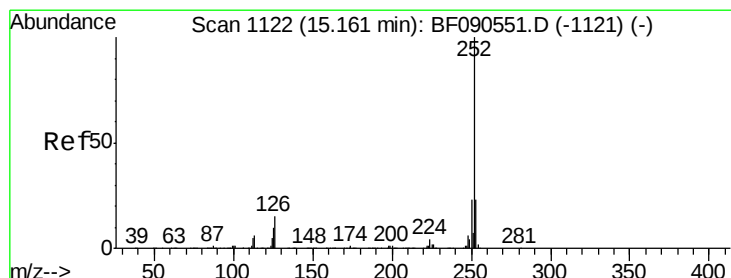
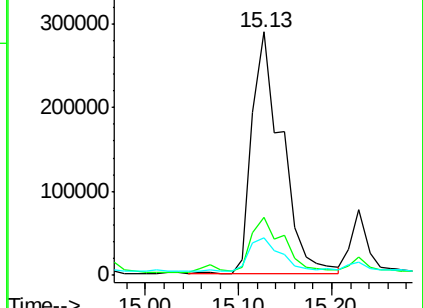
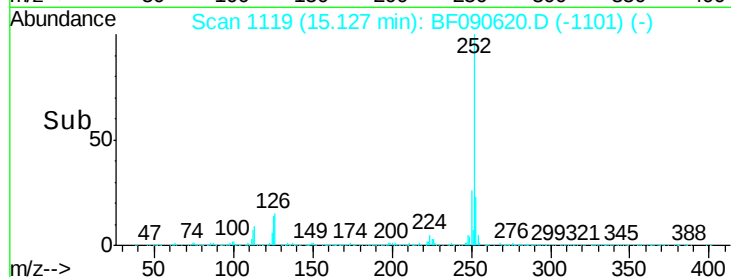
125 15.3 12.0 18.0



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



#88

Benzo(k)fluoranthene

Concen: 11.49 ng

RT: 15.13 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF090620.D

Acq: 17 Oct 2016 21:02

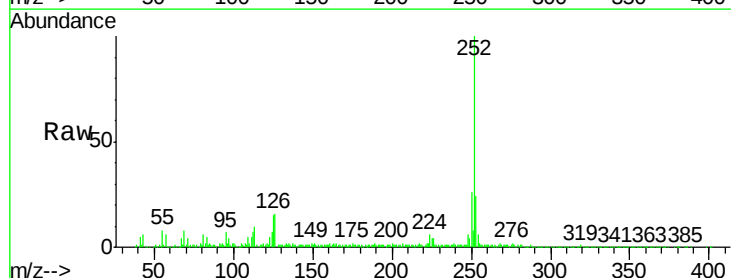
Tgt Ion:252 Resp: 642958

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

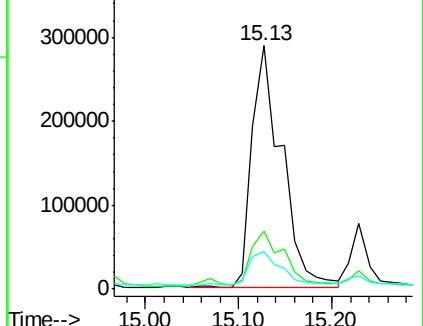
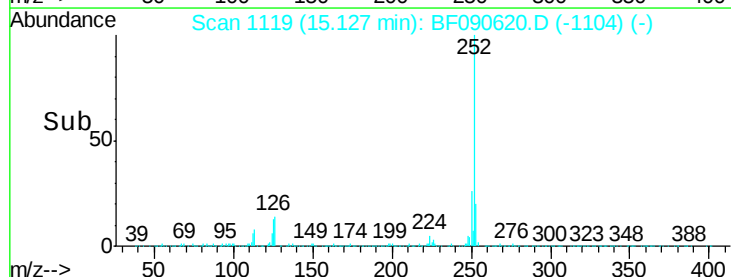
125 15.3 10.0 15.0#

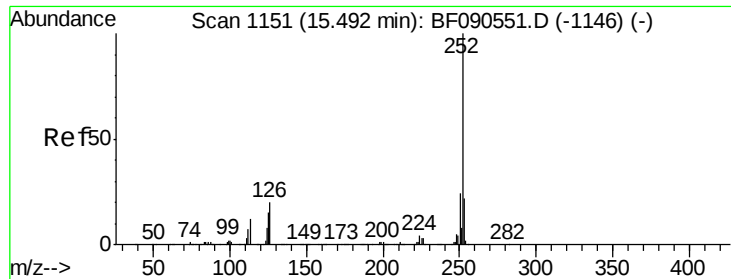


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

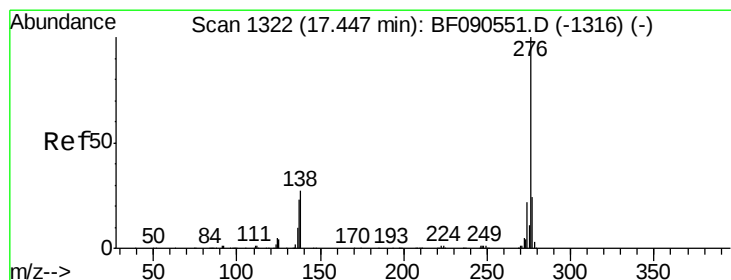
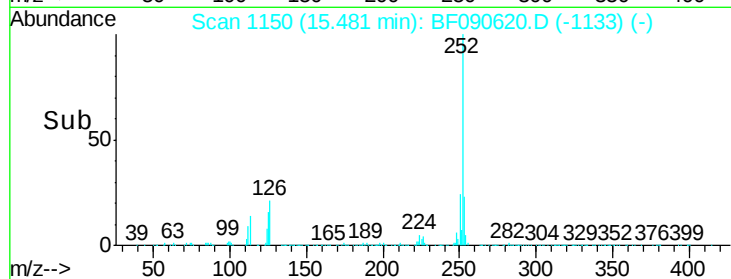
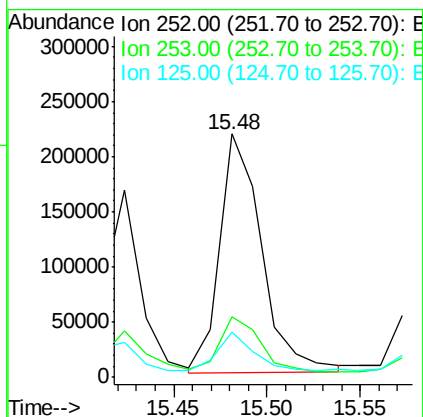
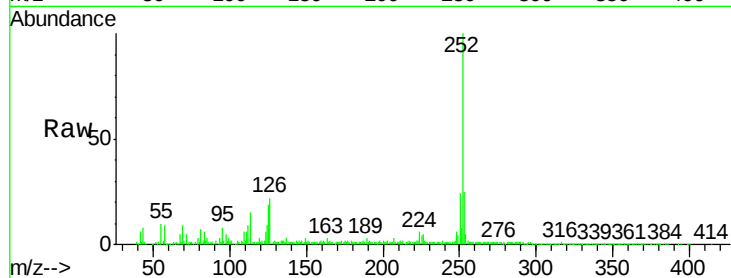




#89
Benzo(a)pyrene
Concen: 7.15 ng
RT: 15.48 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	18.6	12.3	18.5#



#91
Benzo(g,h,i)perylene
Concen: 4.20 ng
RT: 17.44 min Scan# 1321
Delta R.T. 0.01 min
Lab File: BF090620.D
Acq: 17 Oct 2016 21:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.8	28.2
138	27.7	21.8	32.8

