

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102516\
 Data File : BF090826.D
 Acq On : 25 Oct 2016 23:50
 Operator : UM/SJ
 Sample : H5394-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-CENTER

Quant Time: Oct 26 00:58:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 25 18:56:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	170645	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	700761	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	360135	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	594330	20.00	ng	0.00
75) Chrysene-d12	13.96	240	373331	20.00	ng	0.00
86) Perylene-d12	15.38	264	327607	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1355080	128.07	ng	0.01
7) Phenol-d6	6.44	99	1533871	107.02	ng	0.00
23) Nitrobenzene-d5	7.37	82	979496	76.66	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	467605	164.05	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1757508	75.76	ng	-0.01
78) Terphenyl-d14	12.91	244	1543679	94.77	ng	-0.01

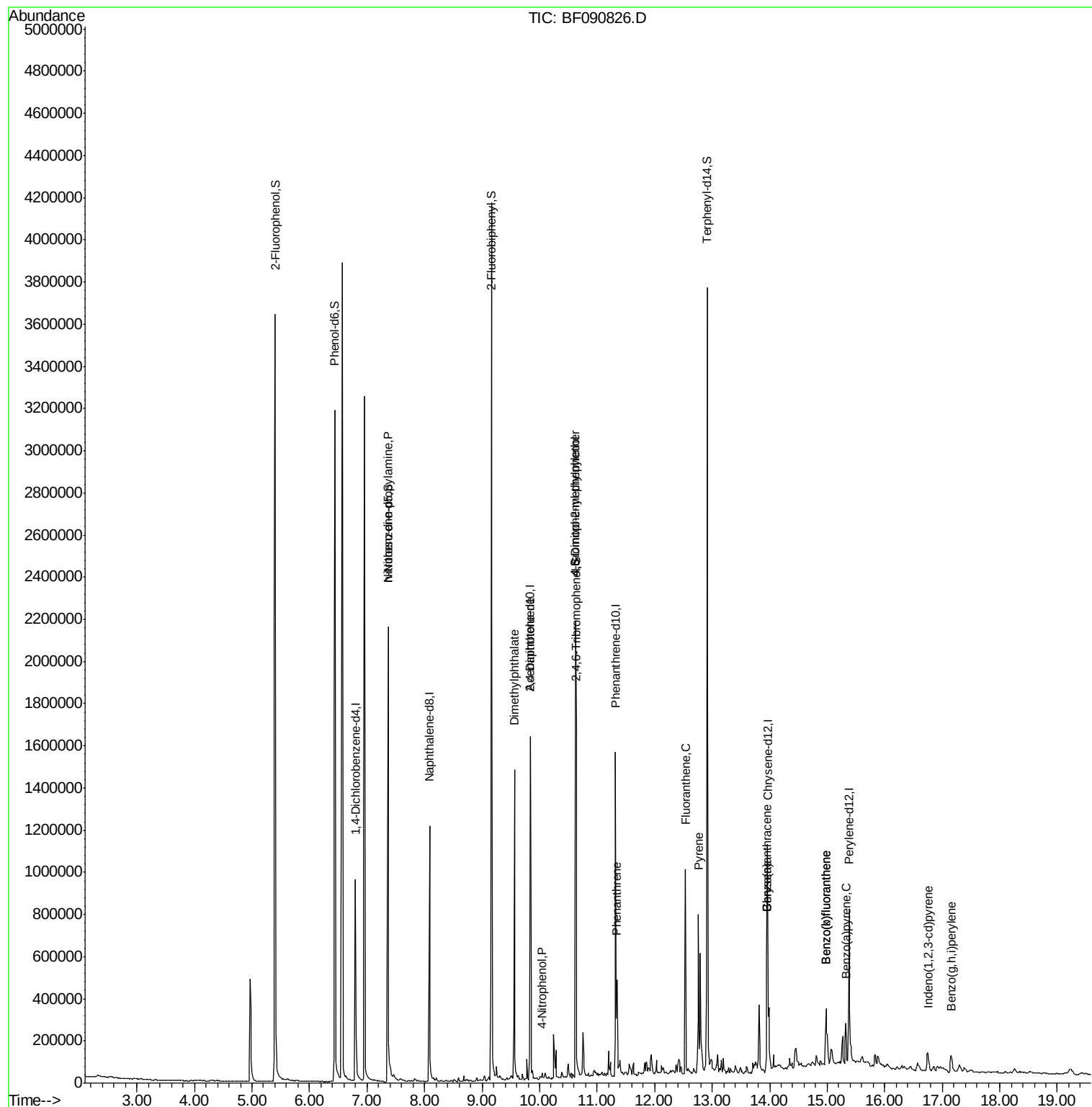
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	128301	12.02	ng	# 49
49) Dimethylphthalate	9.56	163	588916	26.02	ng	# 98
55) 4-Nitrophenol	10.04	139	1869	6.44	ng	# 42
56) 2,4-Dinitrotoluene	9.84	165	47050	7.91	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.62	198	660	4.34	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	26683	4.63	ng	# 1
70) Phenanthrene	11.34	178	166876	5.51	ng	97
74) Fluoranthene	12.53	202	377634	12.89	ng	94
77) Pyrene	12.76	202	303360	11.63	ng	97
80) Benzo(a)anthracene	13.95	228	143387	7.02	ng	94
82) Chrysene	13.95	228	143387	7.19	ng	96
85) Indeno(1,2,3-cd)pyrene	16.75	276	74853	4.30	ng	# 87
87) Benzo(b)fluoranthene	14.98	252	214625	10.65	ng	# 90
88) Benzo(k)fluoranthene	14.98	252	214625	10.60	ng	# 90
89) Benzo(a)pyrene	15.32	252	108937	5.76	ng	# 86
91) Benzo(g,h,i)perylene	17.15	276	65252	3.71	ng	# 79

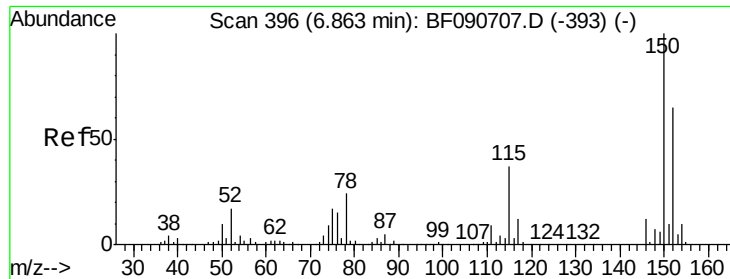
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102516\
Data File : BF090826.D
Acq On : 25 Oct 2016 23:50
Operator : UM/SJ
Sample : H5394-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BOTTOM-CENTER

Quant Time: Oct 26 00:58:46 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 25 18:56:36 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM-CENTER

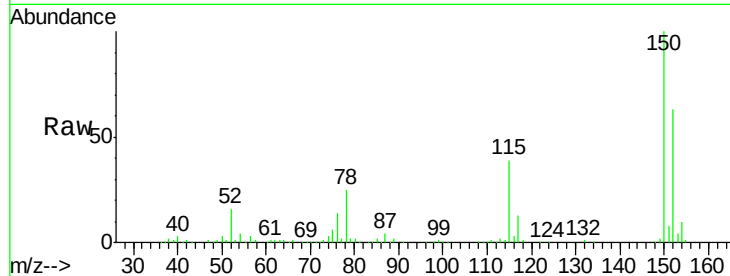
Tgt Ion:152 Resp: 170645

Ion Ratio Lower Upper

152 100

150 159.7 124.7 187.1

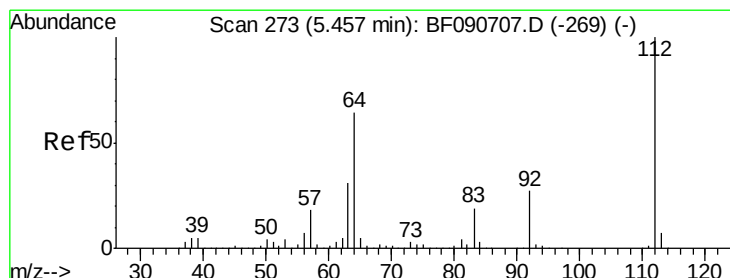
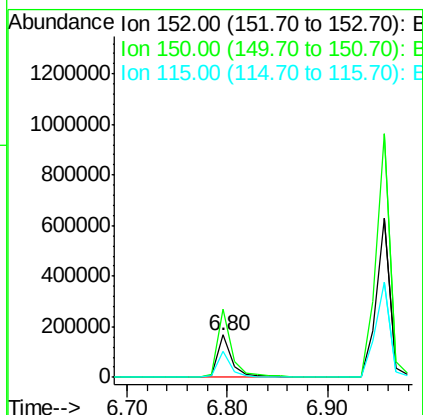
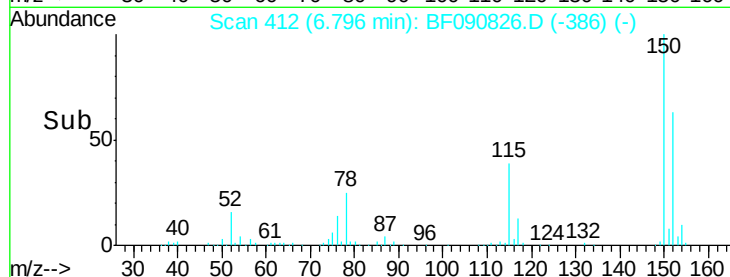
115 62.1 39.0 58.4#



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: 128.07 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

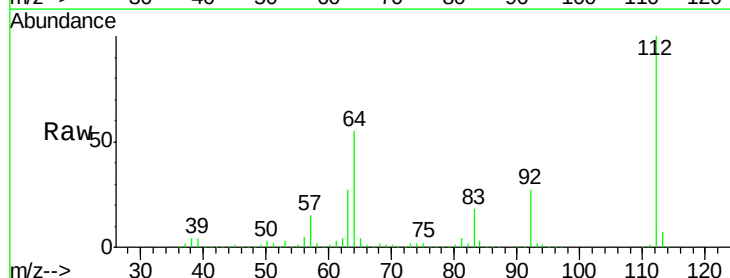
Tgt Ion:112 Resp: 1355080

Ion Ratio Lower Upper

112 100

64 54.8 39.7 59.5

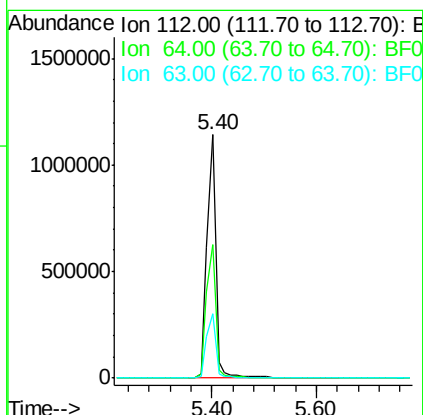
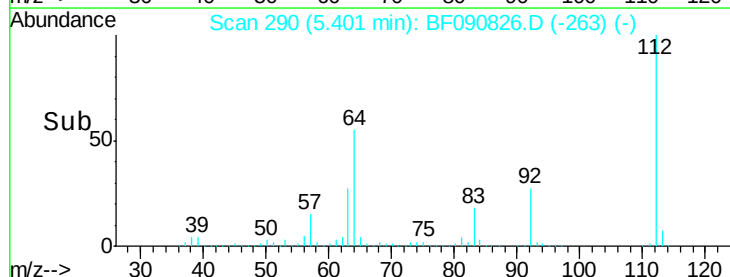
63 26.6 17.4 26.0#

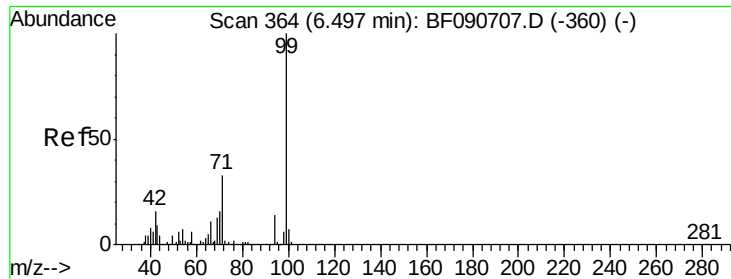


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.02 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM-CENTER

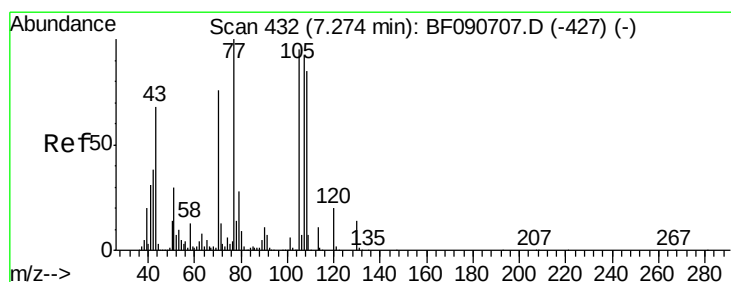
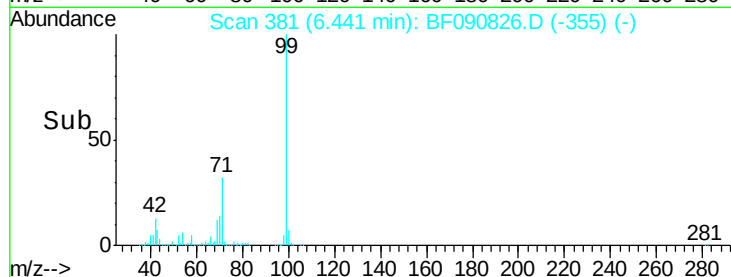
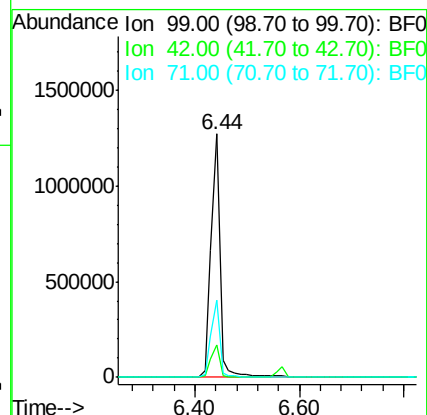
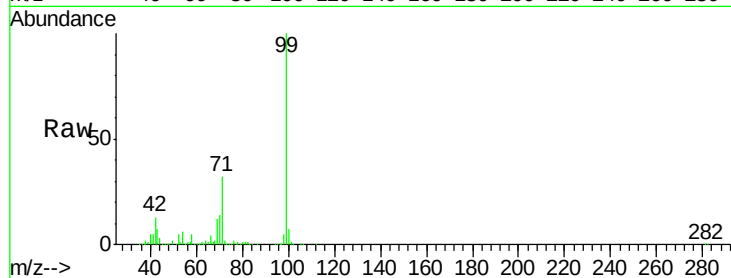
Tgt Ion: 99 Resp: 1533871

Ion Ratio Lower Upper

99 100

42 13.3 13.7 20.5#

71 31.5 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 12.02 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.14 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

Tgt Ion: 70 Resp: 128301

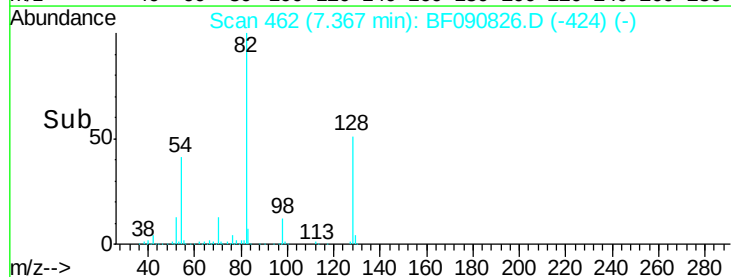
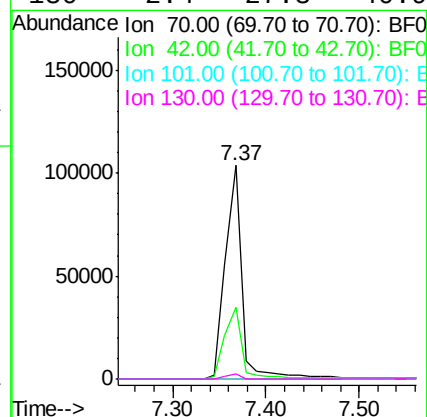
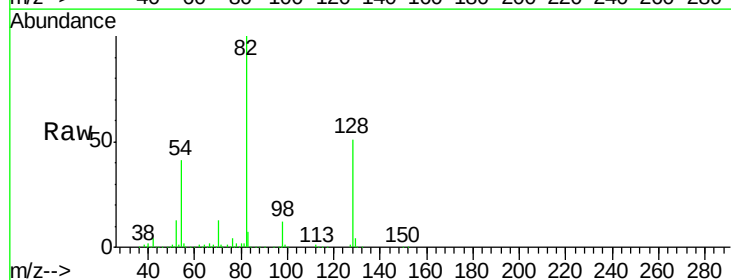
Ion Ratio Lower Upper

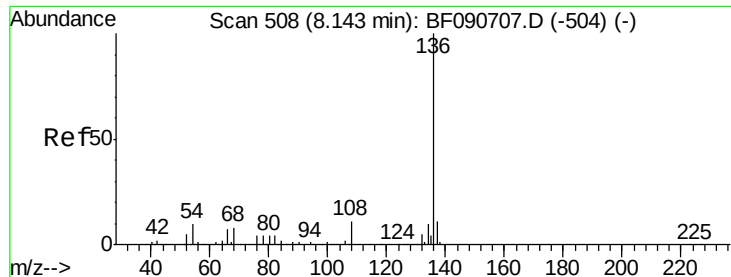
70 100

42 33.3 63.8 95.6#

101 0.0 9.2 13.8#

130 2.4 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM-CENTER

Tgt Ion: 136 Resp: 700761

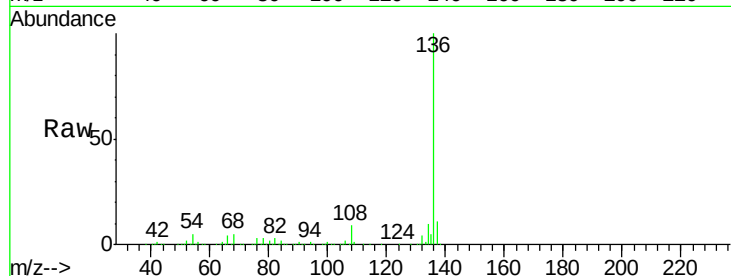
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 5.0 8.2 12.2#

68 5.0 5.8 8.6#

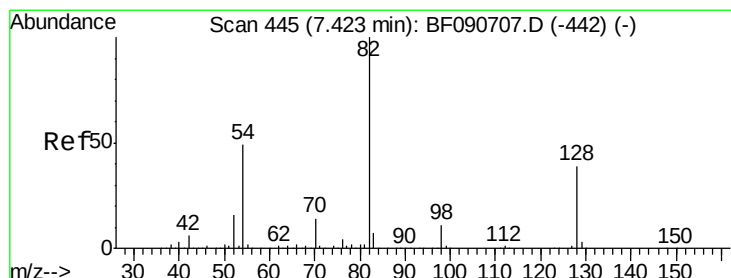
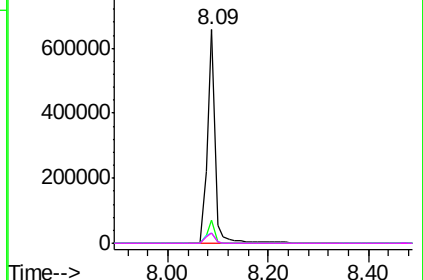
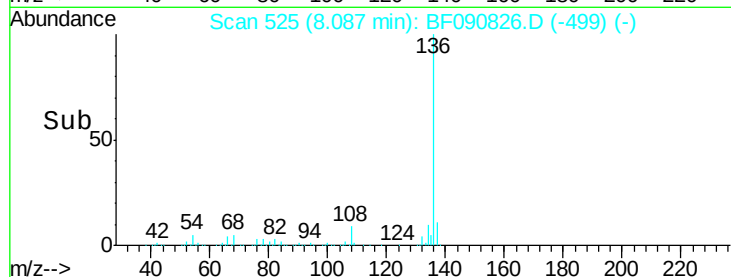


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.66 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

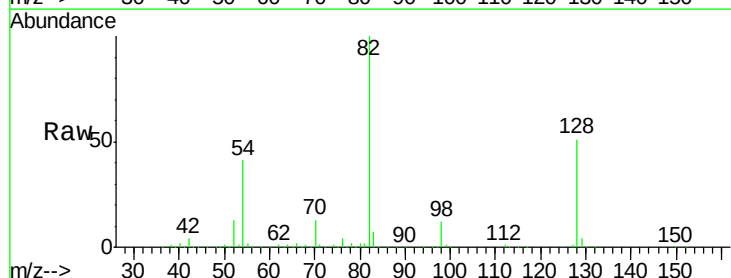
Tgt Ion: 82 Resp: 979496

Ion Ratio Lower Upper

82 100

128 50.8 51.0 76.6#

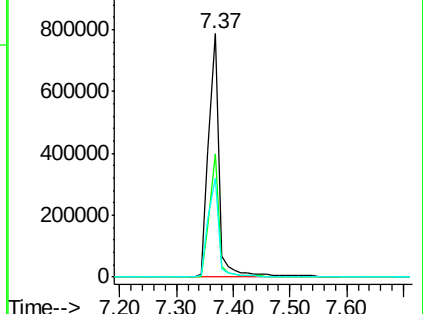
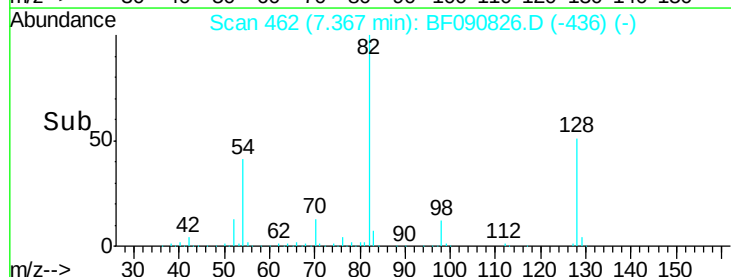
54 40.6 47.5 71.3#

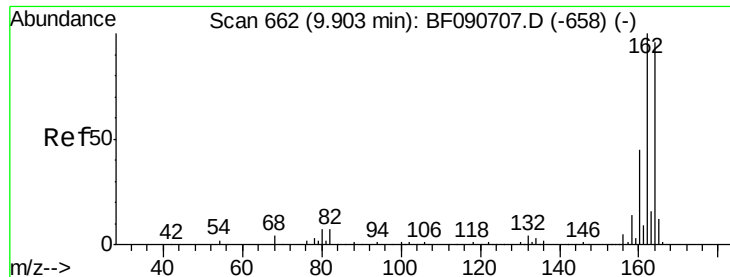


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

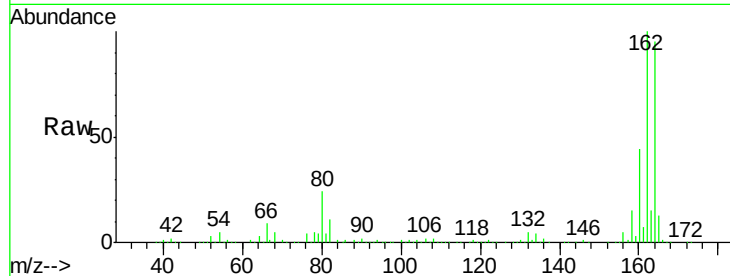




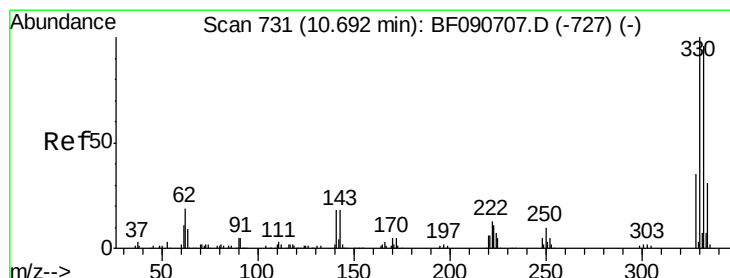
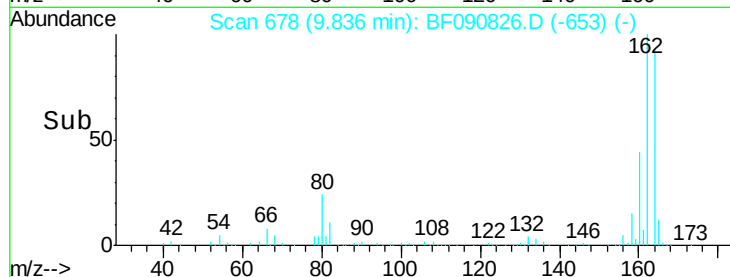
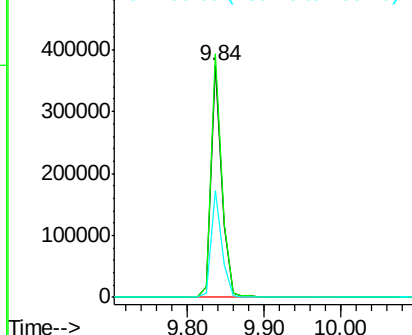
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-CENTER

Tgt Ion:164 Resp: 360135
 Ion Ratio Lower Upper
 164 100
 162 105.0 75.2 112.8
 160 46.0 31.5 47.3

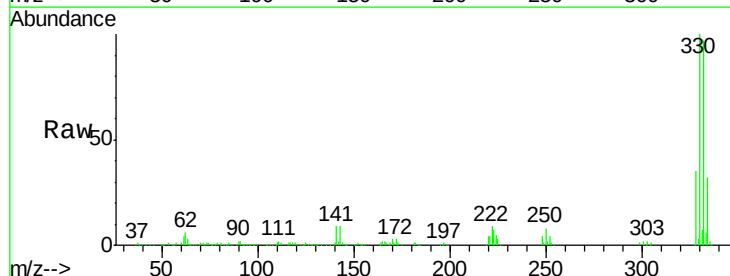


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

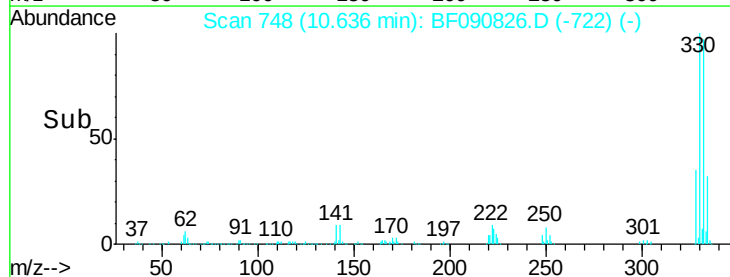
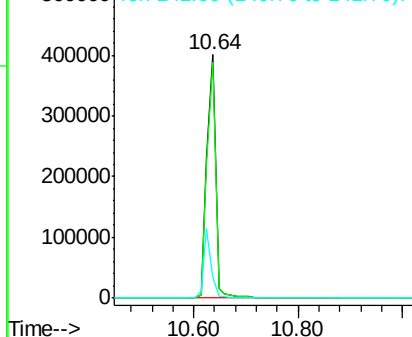


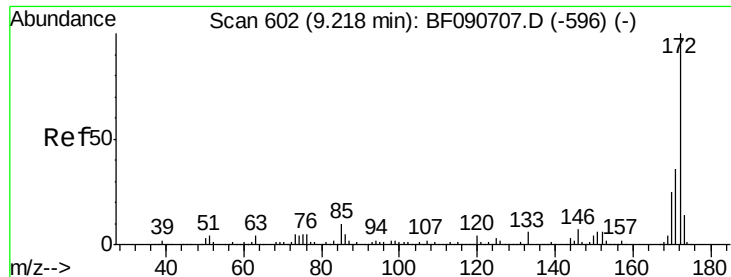
#41
 2,4,6-Tribromophenol
 Concen: 164.05 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Tgt Ion:330 Resp: 467605
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 114.8
 141 25.2 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

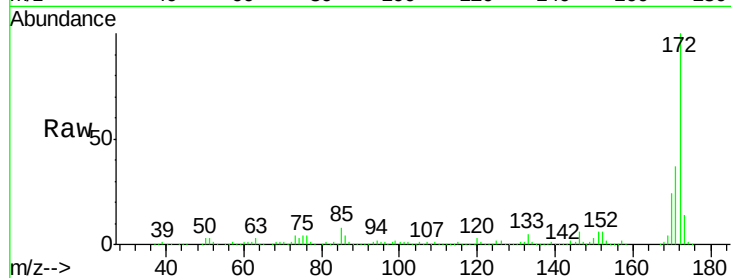




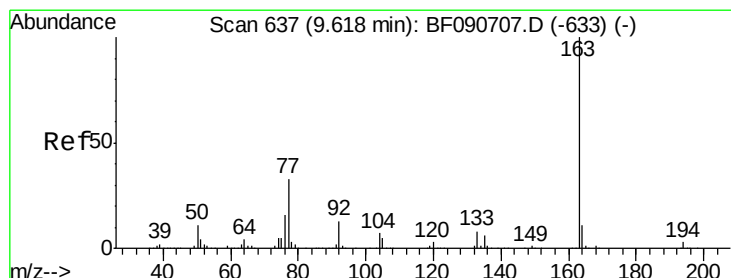
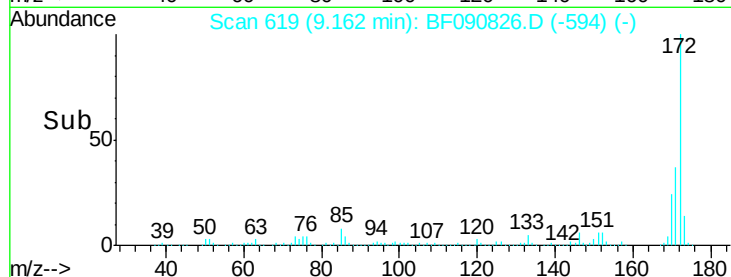
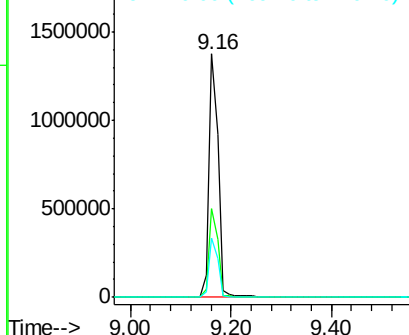
#44
 2-Fluorobiphenyl
 Concen: 75.76 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-CENTER

Tgt Ion:172 Resp: 1757508
 Ion Ratio Lower Upper
 172 100
 171 36.7 26.1 39.1
 170 24.4 17.4 26.2

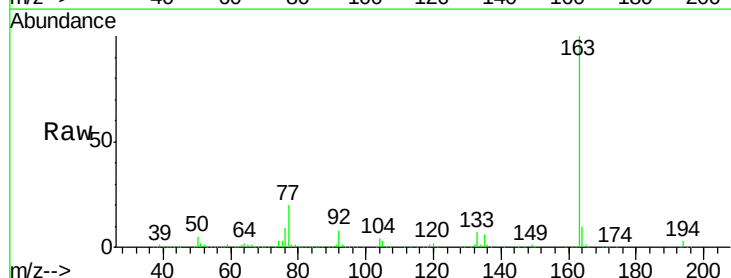


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

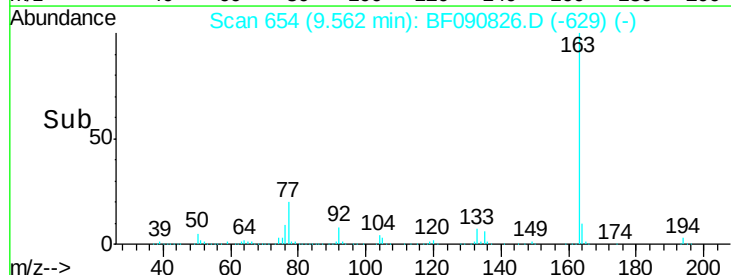
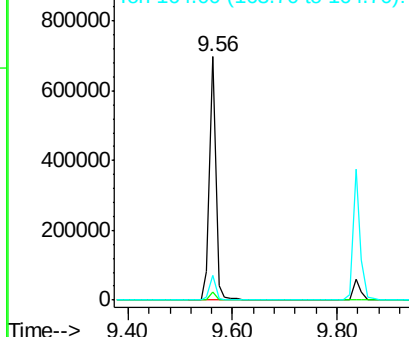


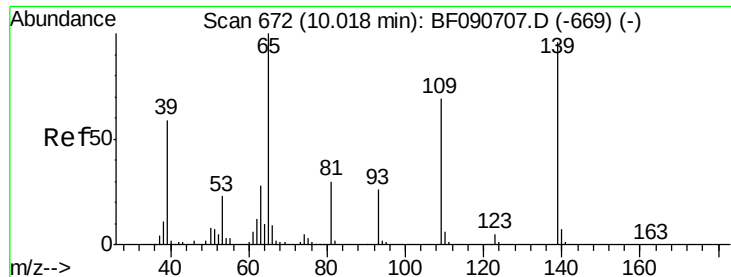
#49
 Dimethylphthalate
 Concen: 26.02 ng
 RT: 9.56 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Tgt Ion:163 Resp: 588916
 Ion Ratio Lower Upper
 163 100
 194 3.5 4.4 6.6#
 164 10.3 8.3 12.5



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

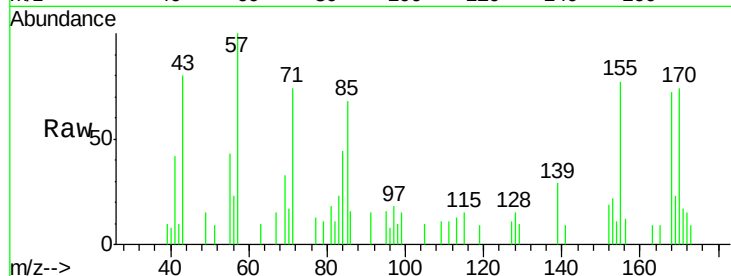




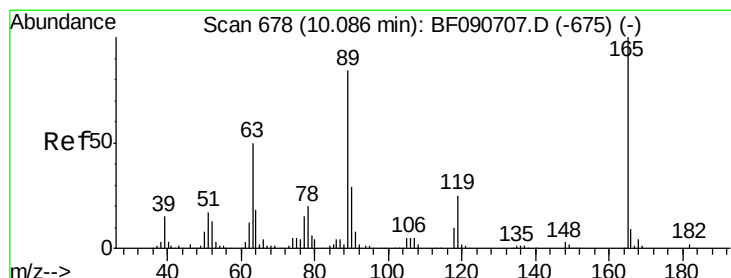
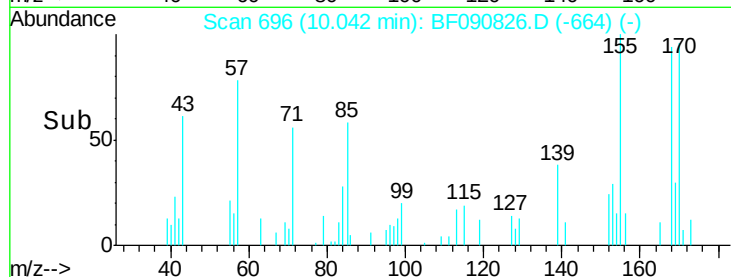
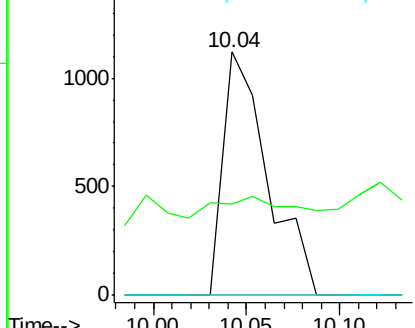
#55
4-Nitrophenol
Concen: 6.44 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.07 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM-CENTER

Tgt Ion:139 Resp: 1869
Ion Ratio Lower Upper
139 100
109 37.6 12.7 52.7
65 0.0 45.9 85.9#

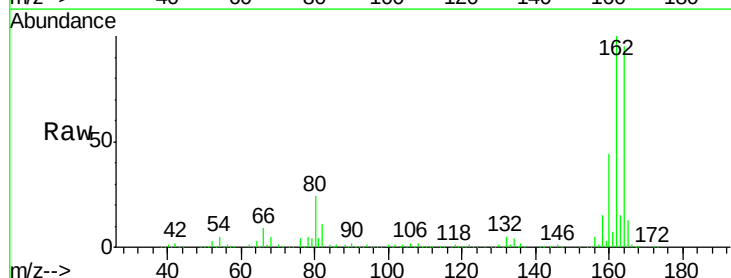


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

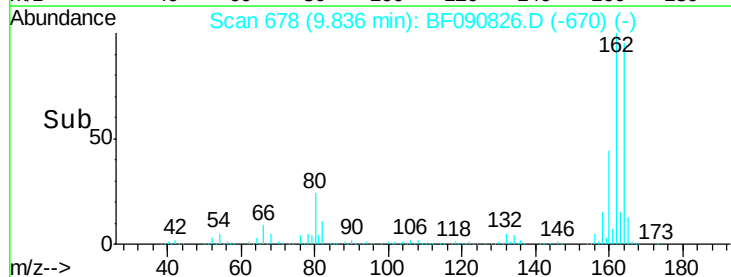
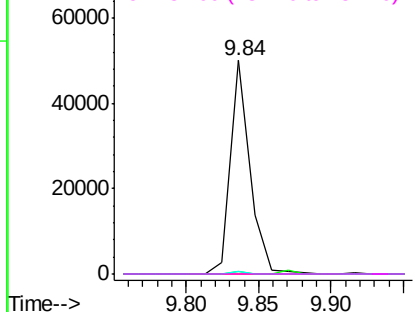


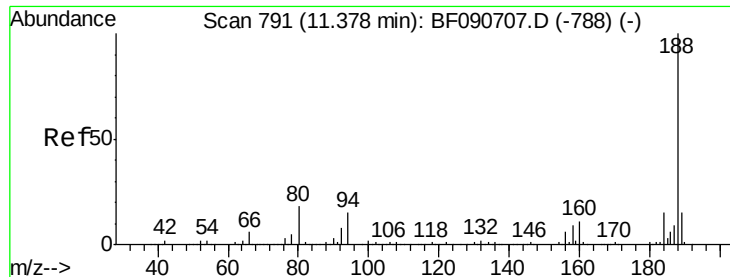
#56
2,4-Dinitrotoluene
Concen: 7.91 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.21 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Tgt Ion:165 Resp: 47050
Ion Ratio Lower Upper
165 100
63 1.0 29.8 44.6#
89 1.3 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

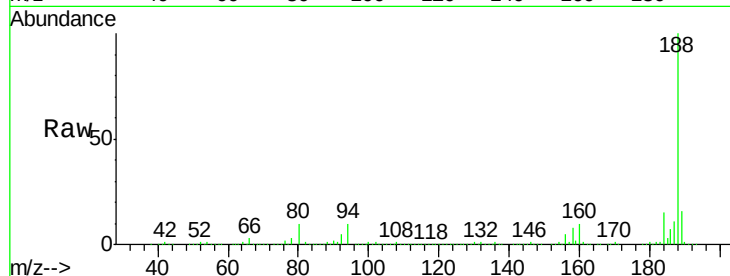




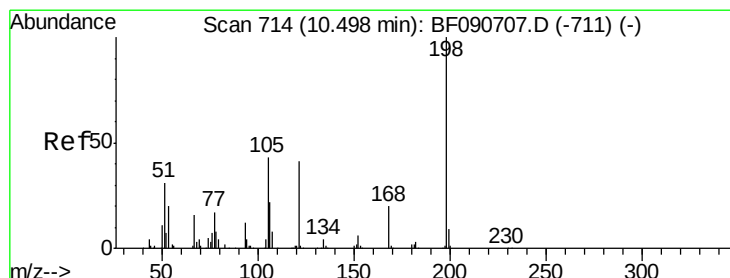
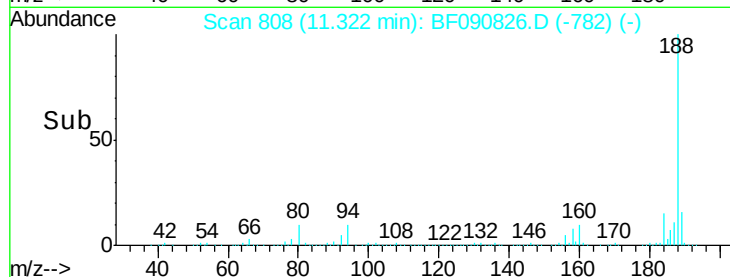
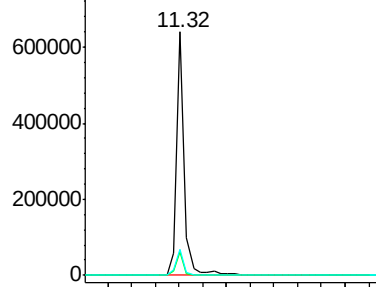
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-CENTER

Tgt Ion:188 Resp: 594330
 Ion Ratio Lower Upper
 188 100
 94 9.5 11.1 16.7#
 80 10.5 11.0 16.4#

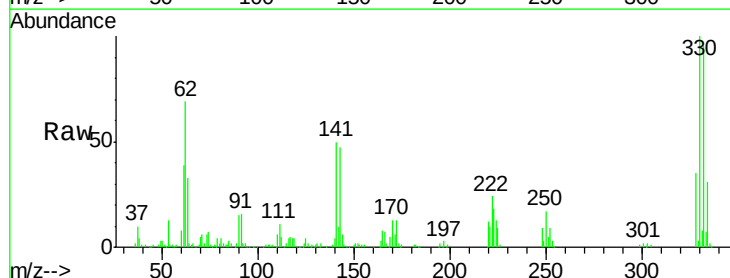


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

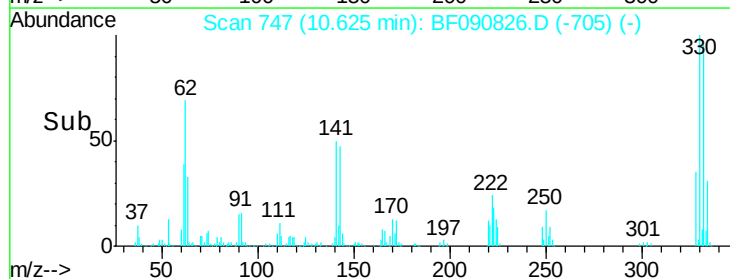
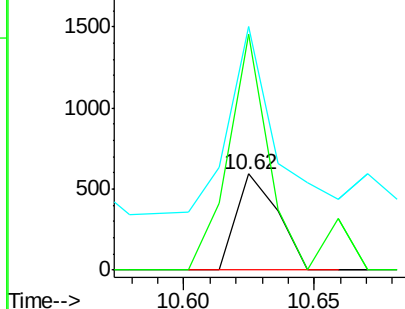


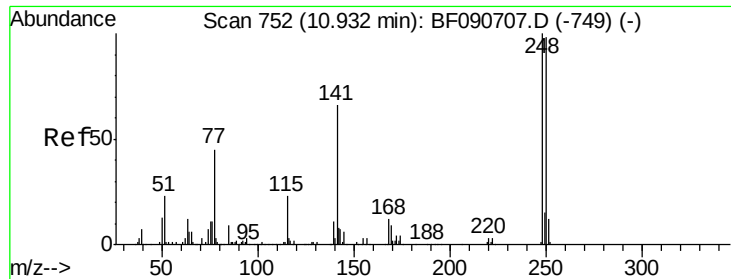
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.34 ng
 RT: 10.62 min Scan# 747
 Delta R.T. 0.18 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Tgt Ion:198 Resp: 660
 Ion Ratio Lower Upper
 198 100
 51 245.7 39.6 79.6#
 105 253.5 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

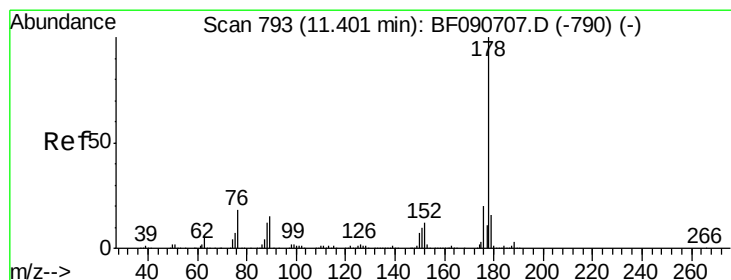
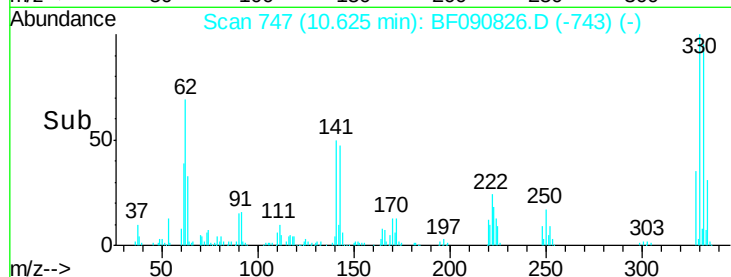
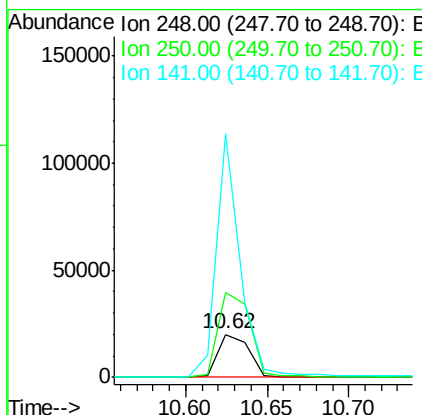
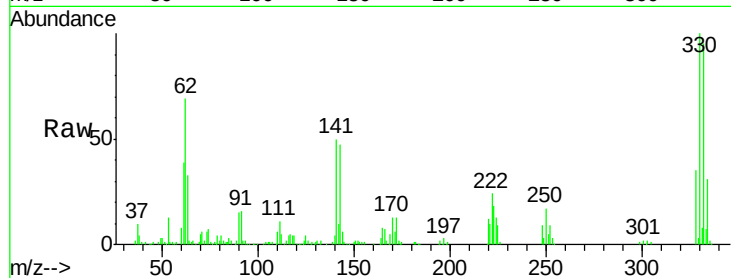




#66
 4-Bromophenyl-phenylether
 Concen: 4.63 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.25 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

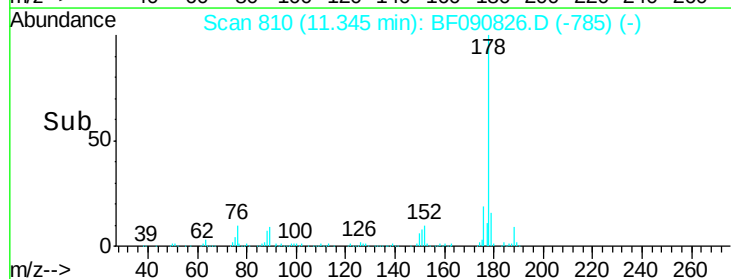
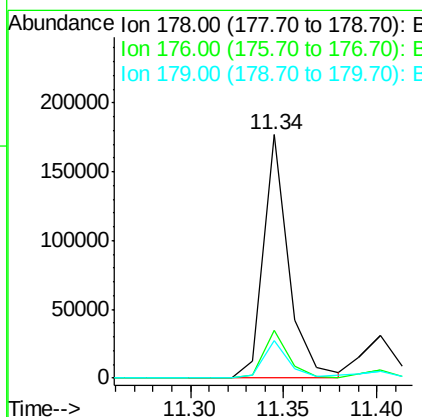
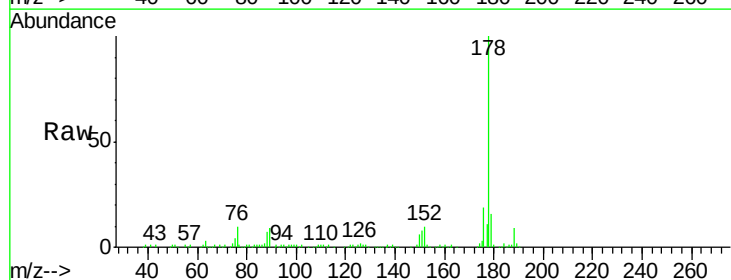
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-CENTER

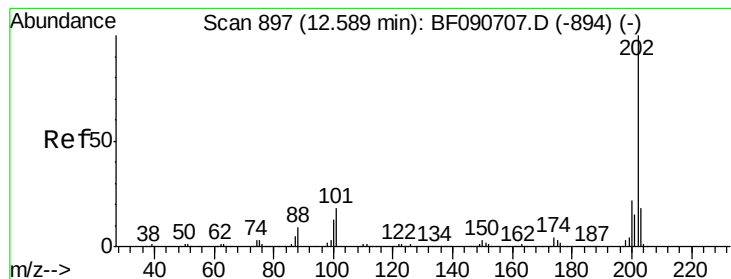
Tgt Ion: 248 Resp: 26683
 Ion Ratio Lower Upper
 248 100
 250 198.0 78.5 117.7#
 141 563.8 59.0 88.6#



#70
 Phenanthrene
 Concen: 5.51 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Tgt Ion: 178 Resp: 166876
 Ion Ratio Lower Upper
 178 100
 176 19.4 13.8 20.8
 179 15.5 12.2 18.2





#74

Fluoranthene

Concen: 12.89 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM-CENTER

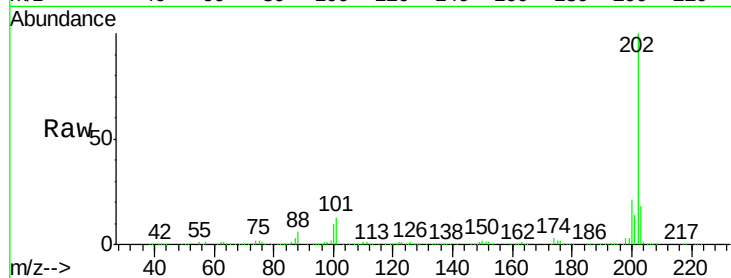
Tgt Ion:202 Resp: 377634

Ion Ratio Lower Upper

202 100

101 12.9 0.0 38.3

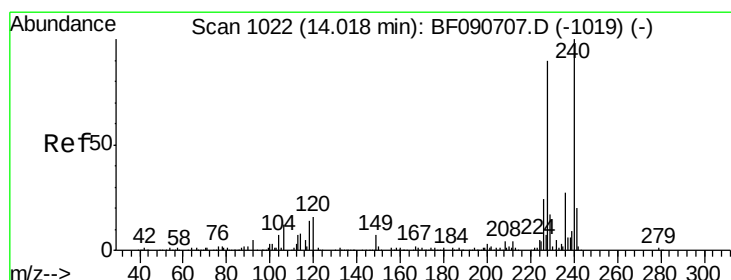
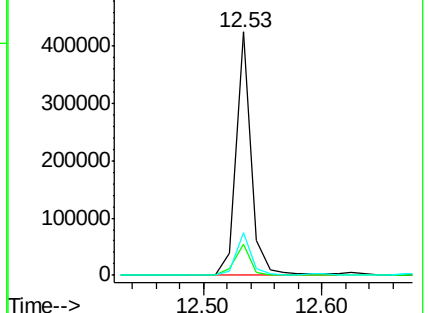
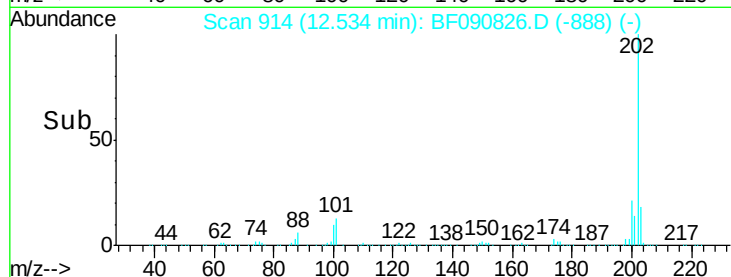
203 17.5 0.0 37.3



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: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

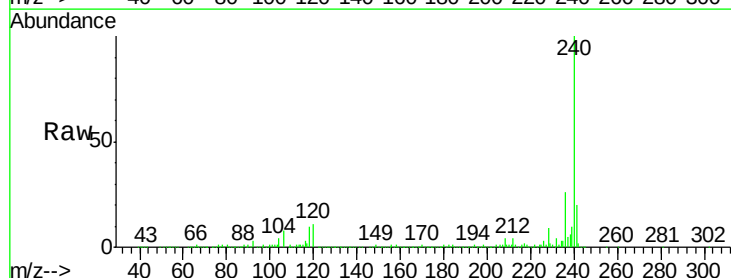
Tgt Ion:240 Resp: 373331

Ion Ratio Lower Upper

240 100

120 11.3 16.2 24.2#

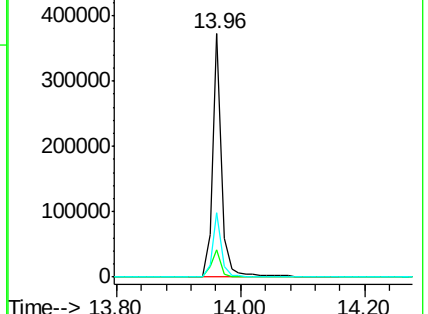
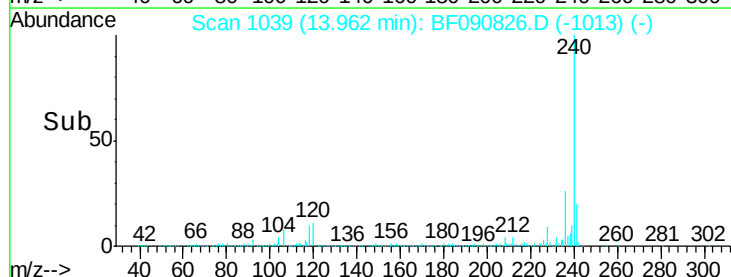
236 26.4 18.4 27.6

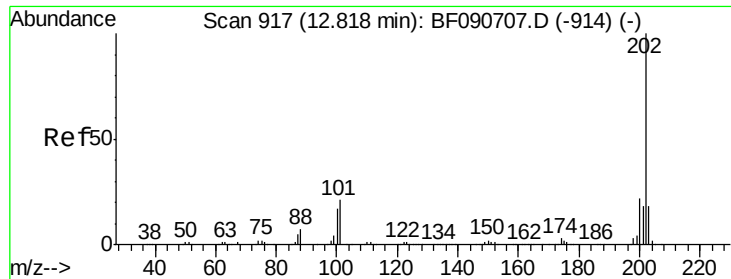


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.63 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM-CENTER

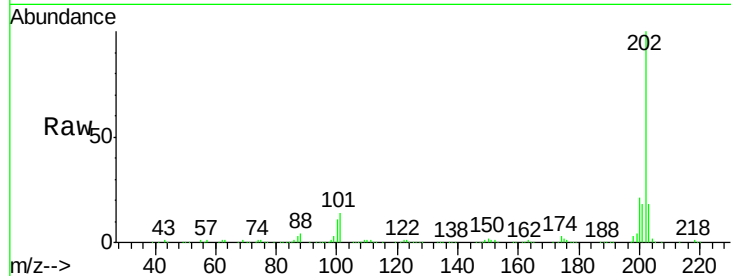
Tgt Ion:202 Resp: 303360

Ion Ratio Lower Upper

202 100

200 21.3 15.0 22.4

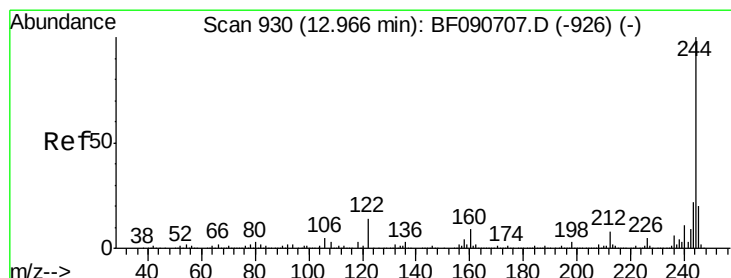
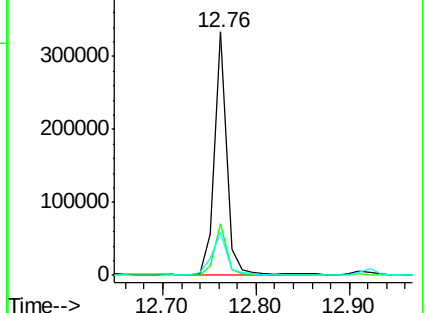
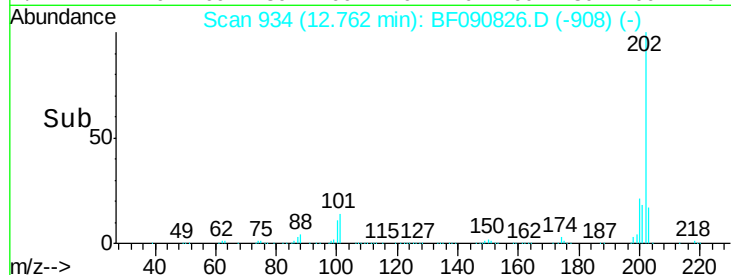
203 17.6 14.1 21.1



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: 94.77 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

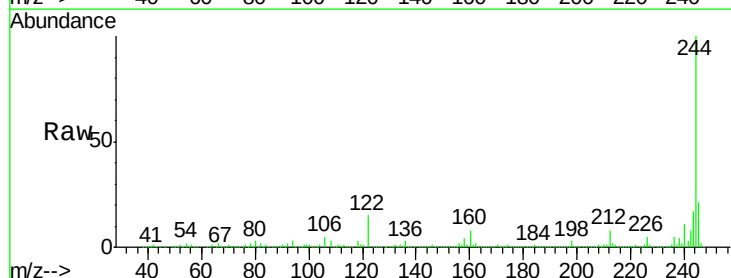
Tgt Ion:244 Resp: 1543679

Ion Ratio Lower Upper

244 100

212 7.5 4.3 6.5#

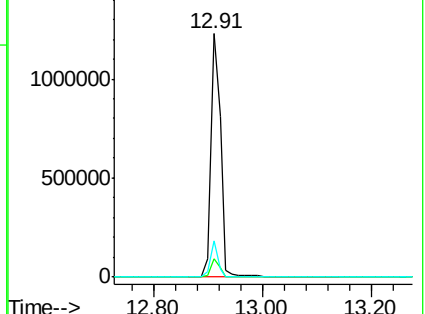
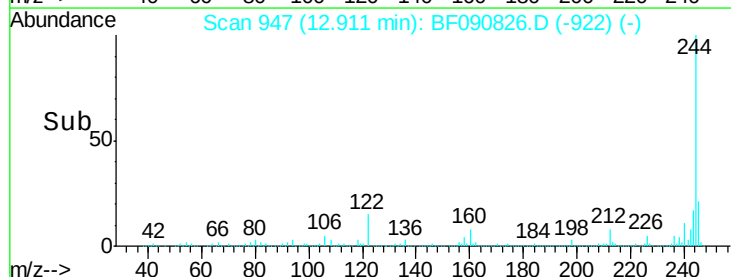
122 15.0 17.4 26.2#

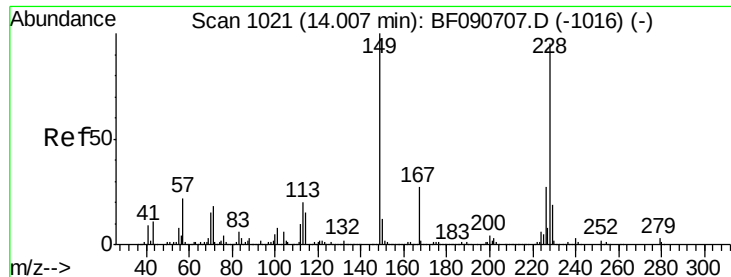


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.02 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

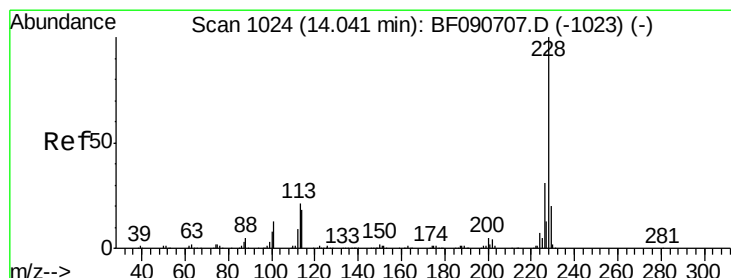
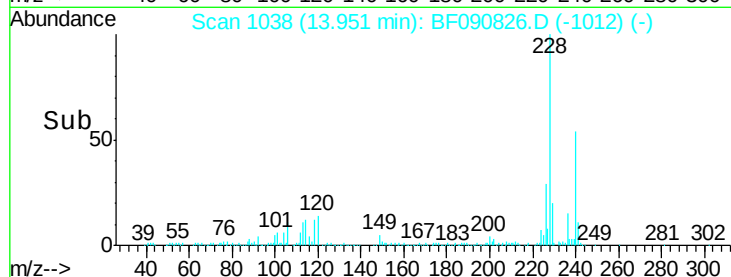
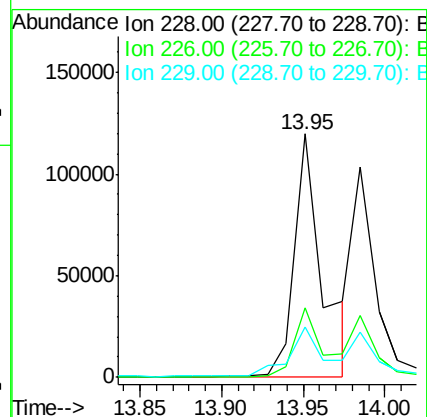
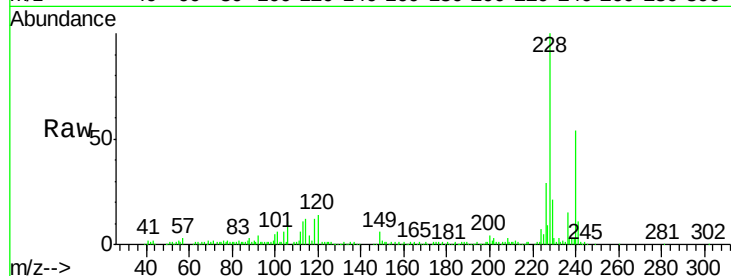
Instrument :

BNA_F

ClientSampleId :

BOTTOM-CENTER

Tgt Ion:	228	Resp:	143387
Ion	Ratio	Lower	Upper
228	100		
226	28.7	20.0	30.0
229	20.7	15.4	23.2



#82

Chrysene

Concen: 7.19 ng

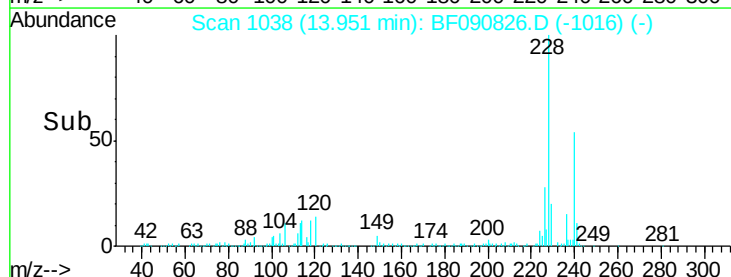
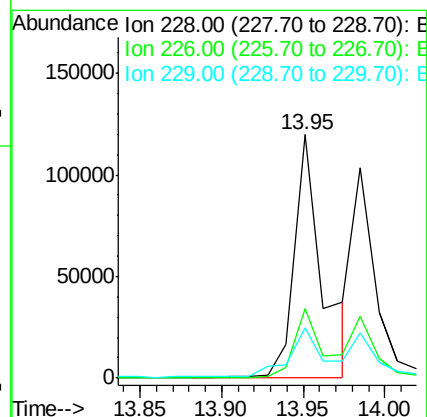
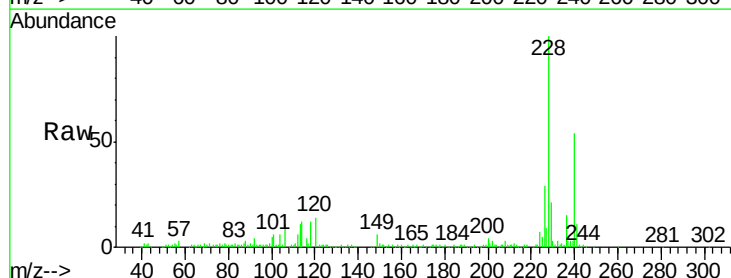
RT: 13.95 min Scan# 1038

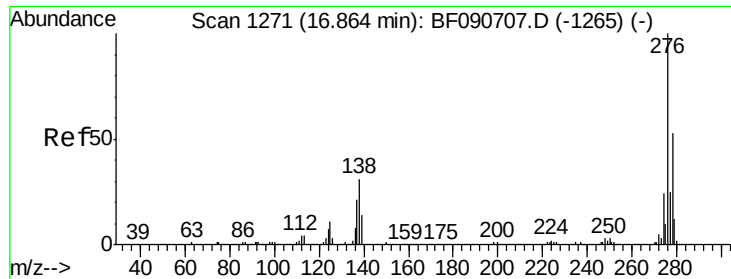
Delta R.T. -0.05 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

Tgt Ion:	228	Resp:	143387
Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.0	31.4
229	20.7	15.6	23.4

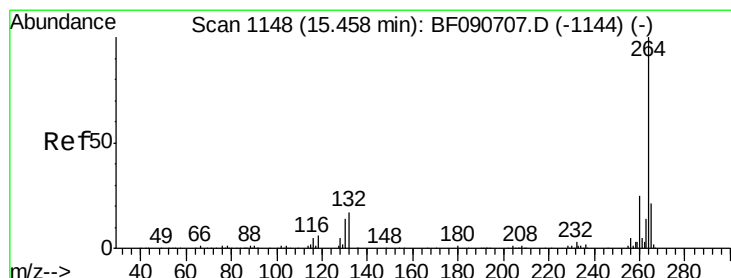
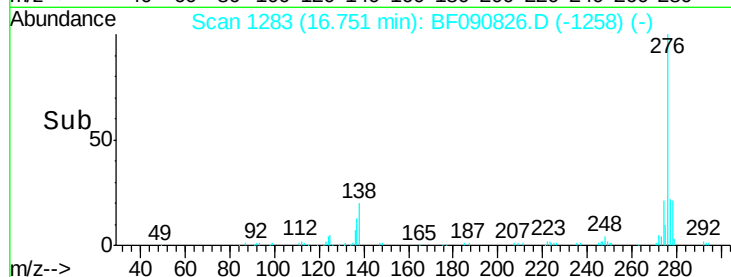
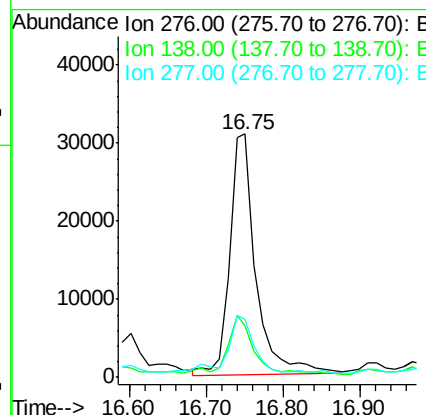
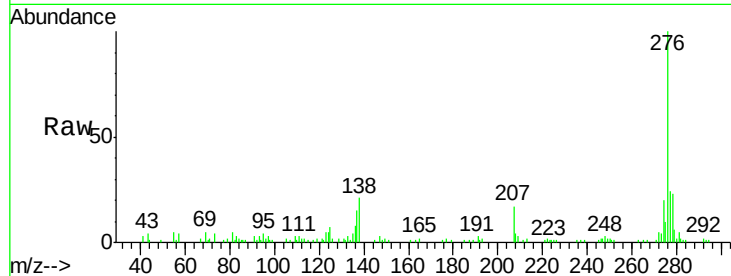




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.30 ng
 RT: 16.75 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

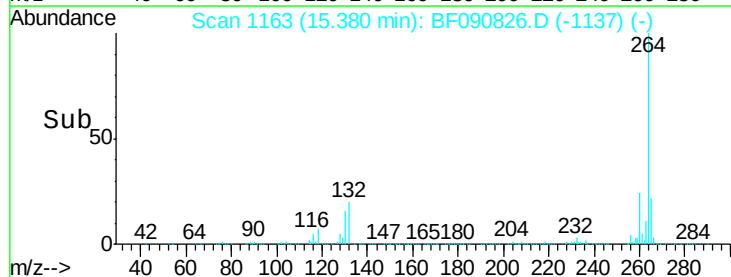
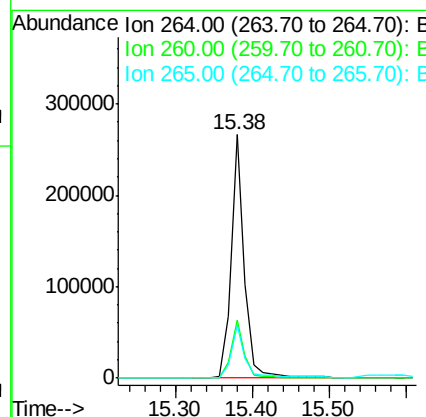
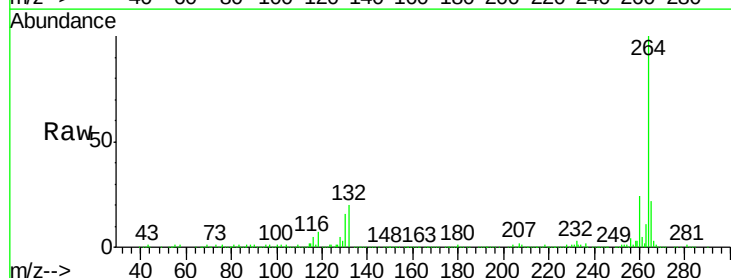
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM-CENTER

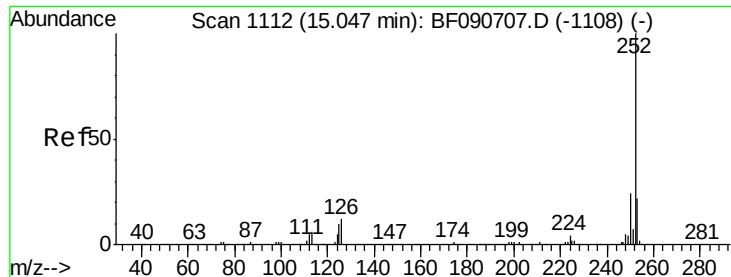
Tgt Ion:276 Resp: 74853
 Ion Ratio Lower Upper
 276 100
 138 23.5 25.7 38.5#
 277 23.7 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BF090826.D
 Acq: 25 Oct 2016 23:50

Tgt Ion:264 Resp: 327607
 Ion Ratio Lower Upper
 264 100
 260 23.9 16.7 25.1
 265 22.0 17.2 25.8

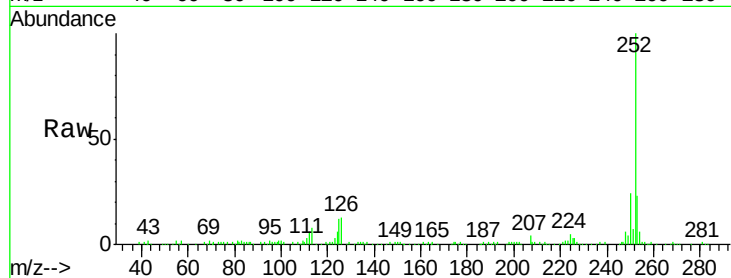




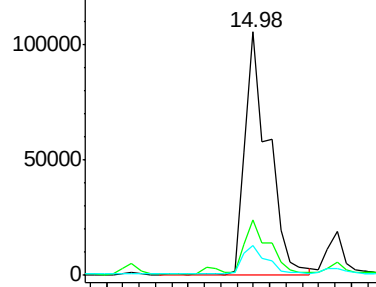
#87
Benzo(b)fluoranthene
Concen: 10.65 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM-CENTER

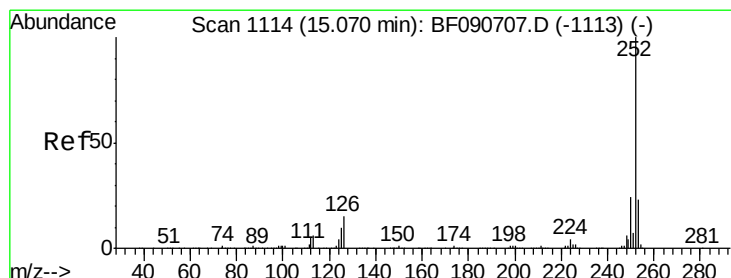
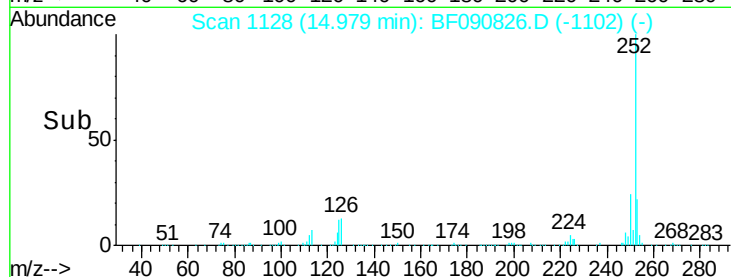
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	12.5	17.1	25.7#



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

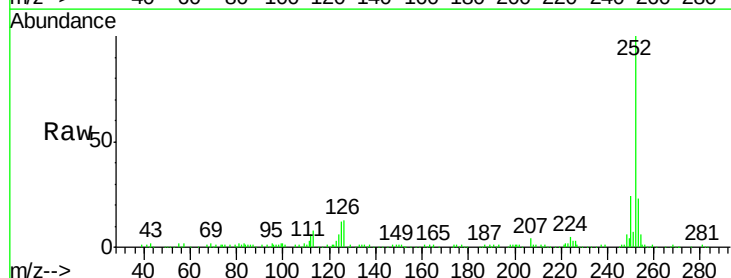


Time--> 14.80 14.90 15.00 15.10

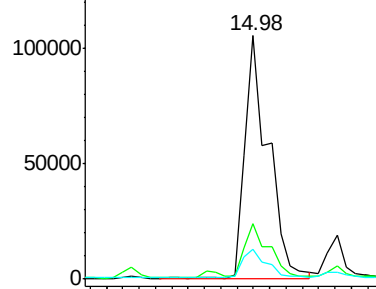


#88
Benzo(k)fluoranthene
Concen: 10.60 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.03 min
Lab File: BF090826.D
Acq: 25 Oct 2016 23:50

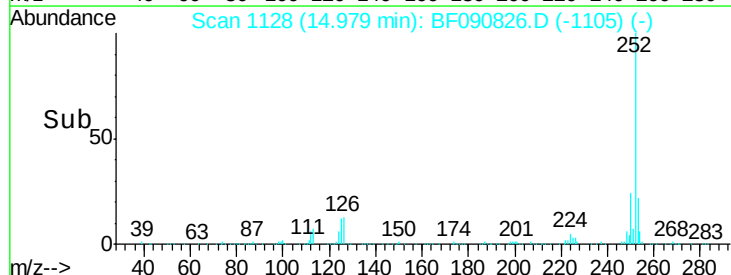
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.4
125	12.5	16.0	24.0#

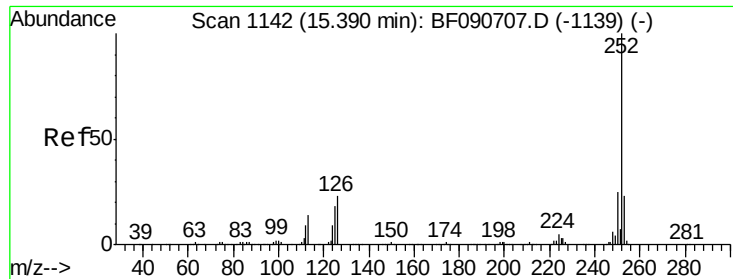


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 14.80 14.90 15.00 15.10





#89

Benzo(a)pyrene

Concen: 5.76 ng

RT: 15.32 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

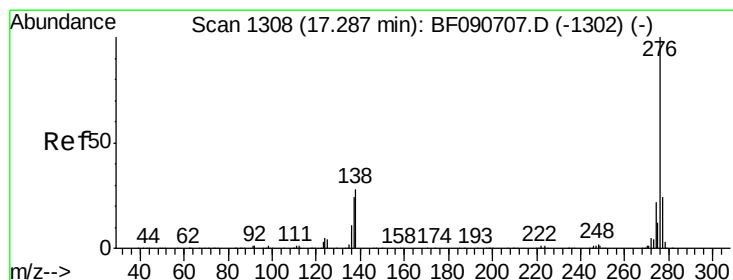
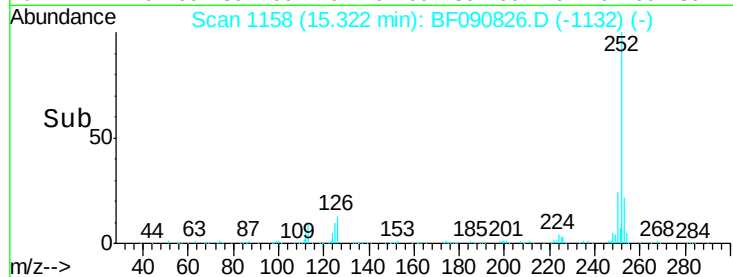
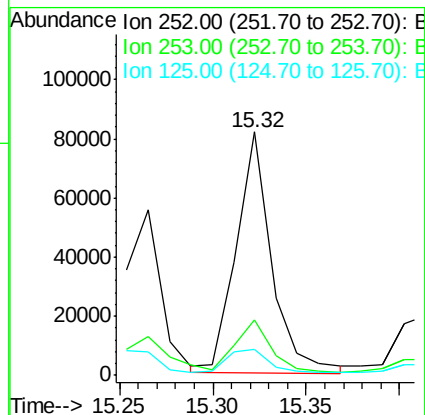
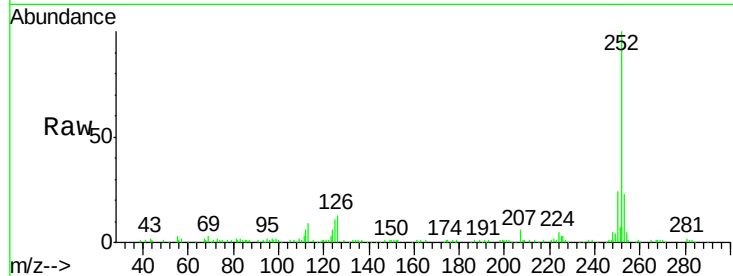
Instrument :

BNA_F

ClientSampleId :

BOTTOM-CENTER

Tgt Ion:	252	Resp:	108937
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	10.9	18.0	27.0#



#91

Benzo(g,h,i)perylene

Concen: 3.71 ng

RT: 17.15 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF090826.D

Acq: 25 Oct 2016 23:50

Tgt Ion:	276	Resp:	65252
Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.8	26.6
138	25.1	34.6	51.8#

