

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102516\
 Data File : BF090825.D
 Acq On : 25 Oct 2016 23:22
 Operator : UM/SJ
 Sample : H5394-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SIDEWELL-NORTH

Quant Time: Oct 26 00:58:25 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	206137	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	814791	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	414597	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	714457	20.00	ng	0.00
75) Chrysene-d12	13.96	240	476561	20.00	ng	0.00
86) Perylene-d12	15.38	264	381607	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1633770	127.82	ng	0.01
7) Phenol-d6	6.44	99	1940985	112.11	ng	0.00
23) Nitrobenzene-d5	7.37	82	1315841	88.57	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	705279	214.92	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	2181868	81.70	ng	-0.01
78) Terphenyl-d14	12.92	244	2224397	106.98	ng	0.00

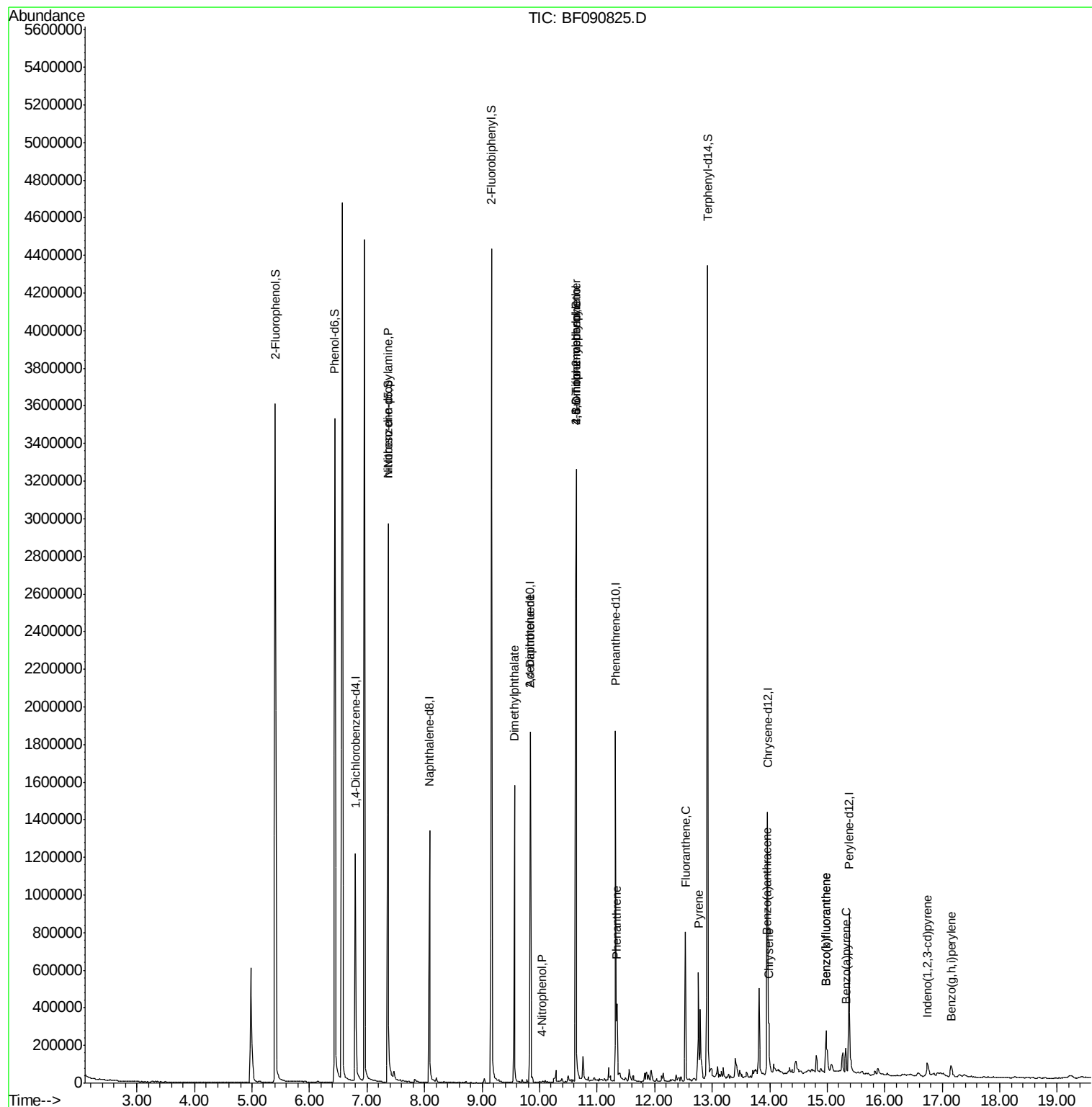
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	176701	13.71	ng	# 51
49) Dimethylphthalate	9.56	163	669347	25.69	ng	# 98
55) 4-Nitrophenol	10.04	139	859	6.14	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	53725	7.85	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.64	198	1051	4.39	ng	# 34
66) 4-Bromophenyl-phenylether	10.64	248	45128	6.52	ng	# 1
70) Phenanthrene	11.34	178	148258	4.07	ng	98
74) Fluoranthene	12.53	202	312734	8.88	ng	93
77) Pyrene	12.76	202	242853	7.30	ng	97
80) Benzo(a)anthracene	13.95	228	110732	4.25	ng	96
82) Chrysene	13.99	228	87062	3.42	ng	94
85) Indeno(1,2,3-cd)pyrene	16.74	276	52811	2.38	ng	# 93
87) Benzo(b)fluoranthene	14.98	252	165848	7.07	ng	# 90
88) Benzo(k)fluoranthene	14.98	252	165848	7.03	ng	# 91
89) Benzo(a)pyrene	15.32	252	72533	3.29	ng	# 86
91) Benzo(g,h,i)perylene	17.15	276	50513	2.46	ng	# 81

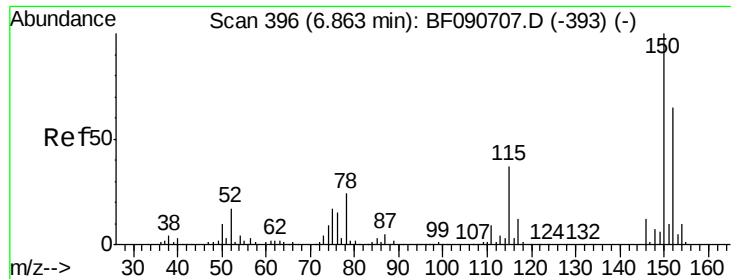
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF090825.D

Acq: 25 Oct 2016 23:22

Instrument :

BNA_F

ClientSampleId :

SIDEWELL-NORTH

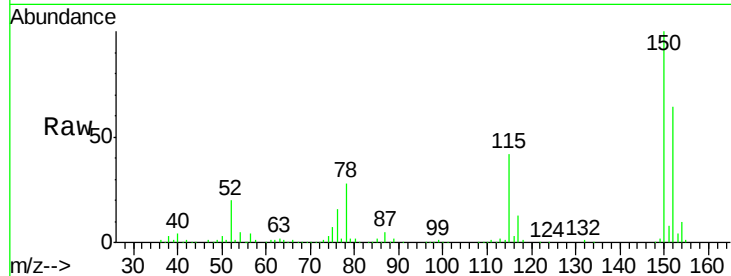
Tgt Ion:152 Resp: 206137

Ion Ratio Lower Upper

152 100

150 155.2 124.7 187.1

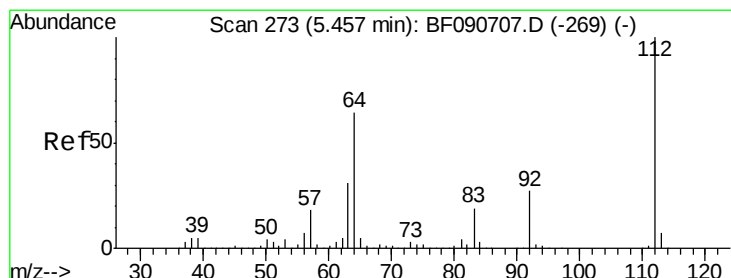
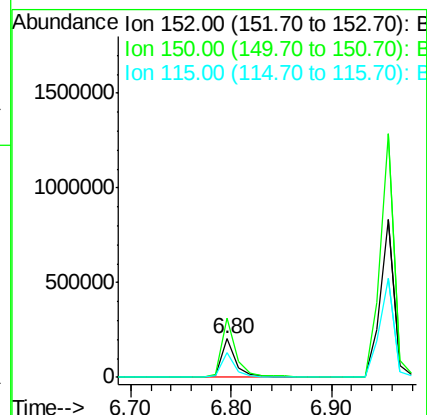
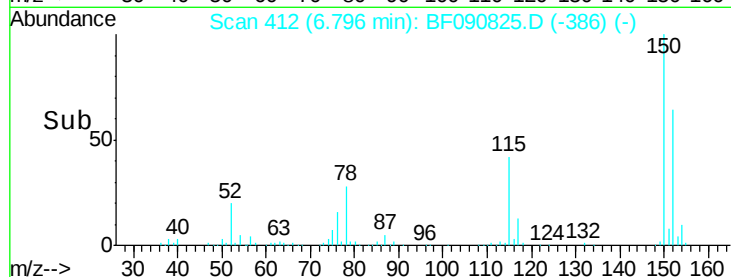
115 65.5 39.0 58.4#



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: 127.82 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF090825.D

Acq: 25 Oct 2016 23:22

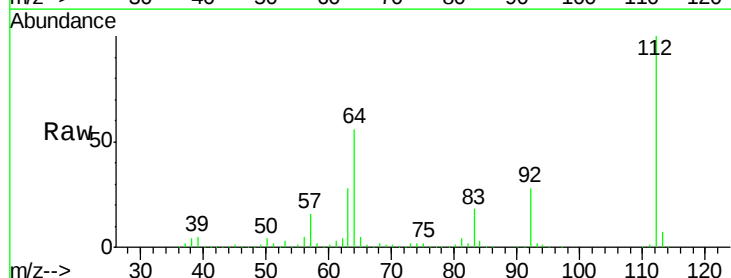
Tgt Ion:112 Resp: 1633770

Ion Ratio Lower Upper

112 100

64 56.0 39.7 59.5

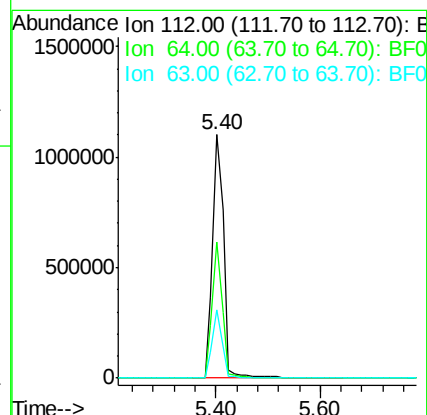
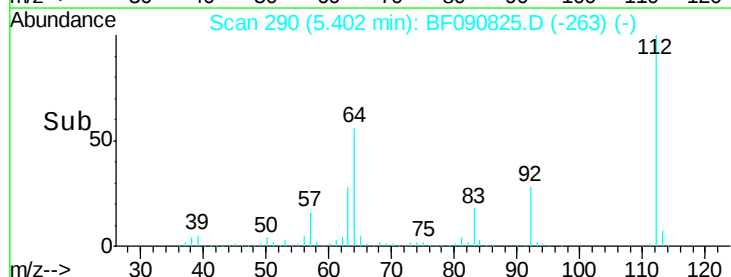
63 28.2 17.4 26.0#

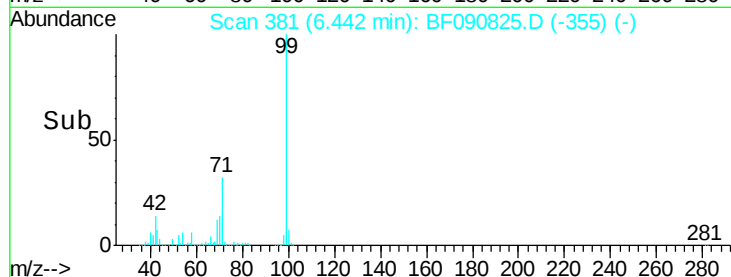
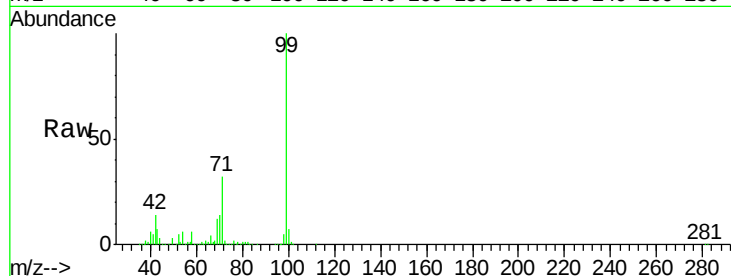
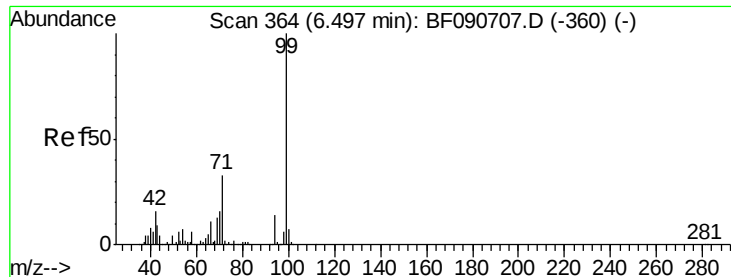


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.11 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF090825.D

Acq: 25 Oct 2016 23:22

Instrument :

BNA_F

ClientSampleId :

SIDEWELL-NORTH

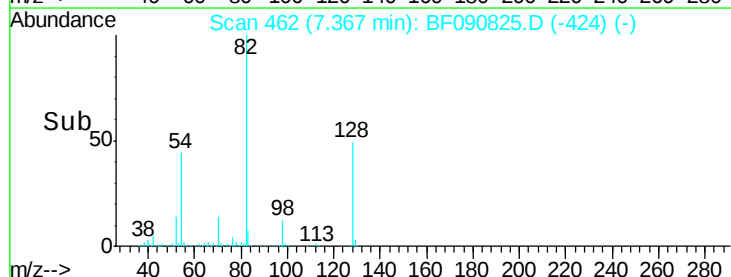
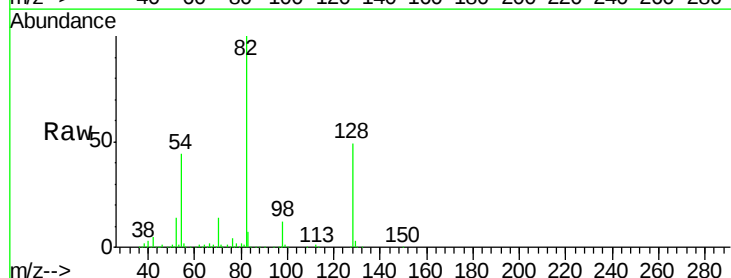
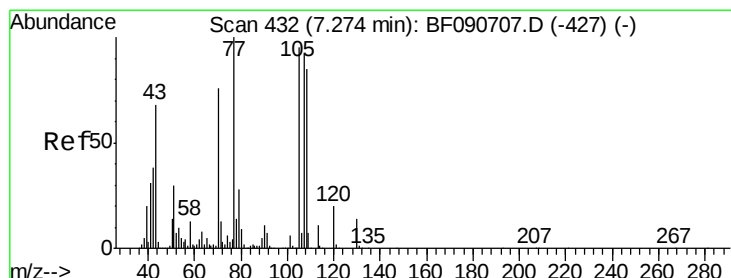
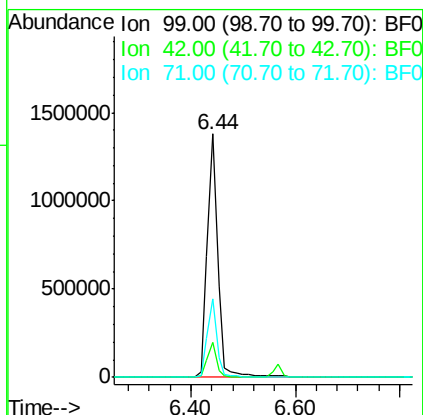
Tgt Ion: 99 Resp: 1940985

Ion Ratio Lower Upper

99 100

42 14.4 13.7 20.5

71 32.4 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 13.71 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.14 min

Lab File: BF090825.D

Acq: 25 Oct 2016 23:22

Tgt Ion: 70 Resp: 176701

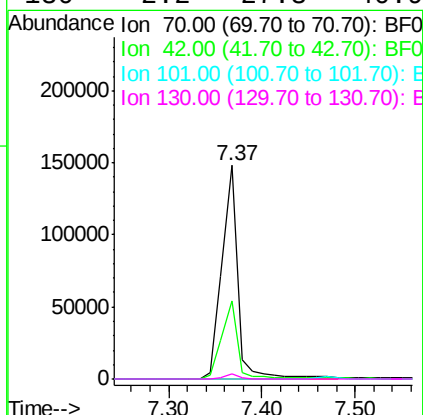
Ion Ratio Lower Upper

70 100

42 36.6 63.8 95.6#

101 0.0 9.2 13.8#

130 2.2 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: BF090825.D

Acq: 25 Oct 2016 23:22

Instrument :

BNA_F

ClientSampleId :

SIDEWELL-NORTH

Tgt Ion:136 Resp: 814791

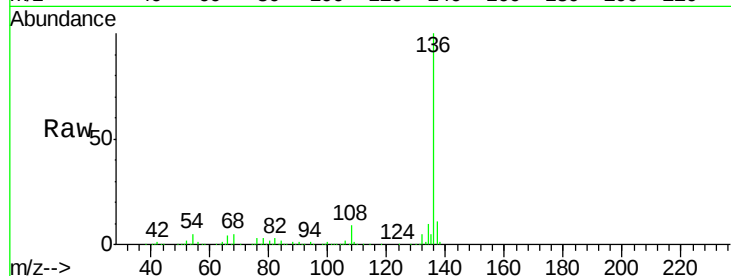
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 5.2 8.2 12.2#

68 4.9 5.8 8.6#

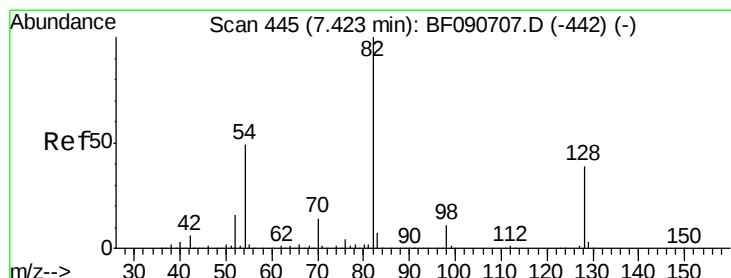
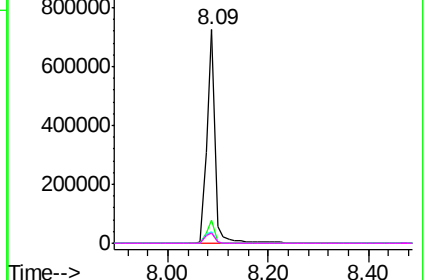
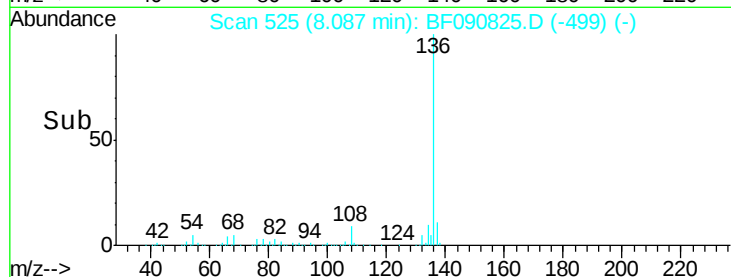


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.57 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.00 min

Lab File: BF090825.D

Acq: 25 Oct 2016 23:22

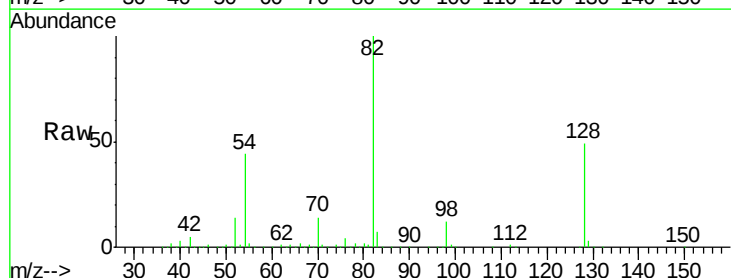
Tgt Ion: 82 Resp: 1315841

Ion Ratio Lower Upper

82 100

128 48.9 51.0 76.6#

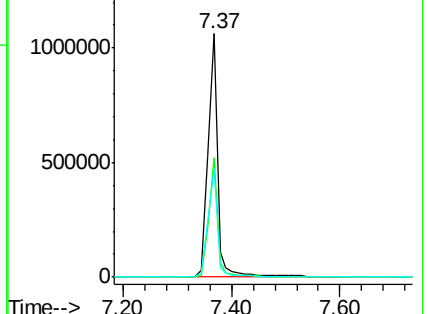
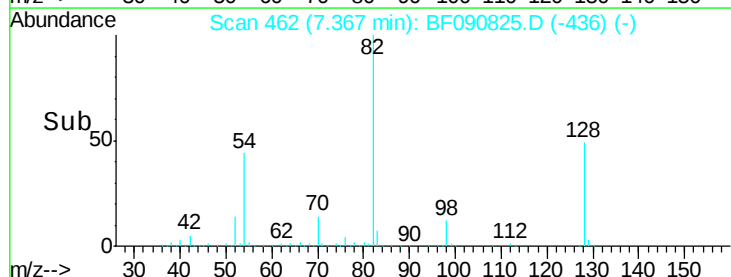
54 44.3 47.5 71.3#

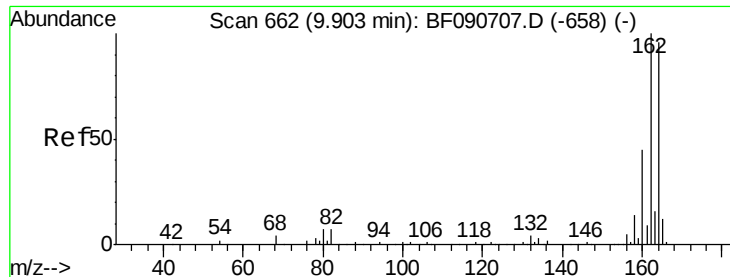


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

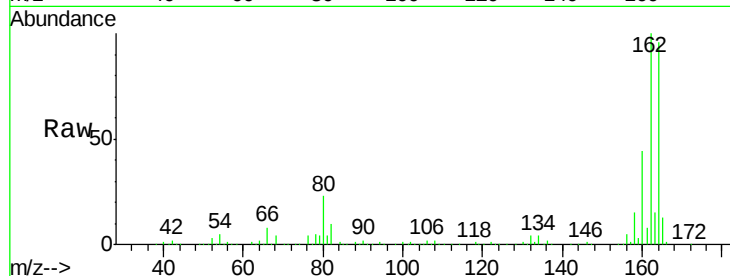




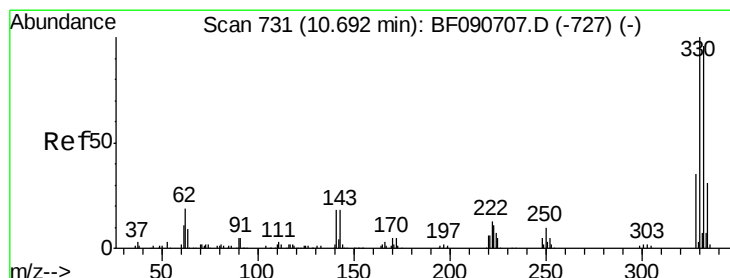
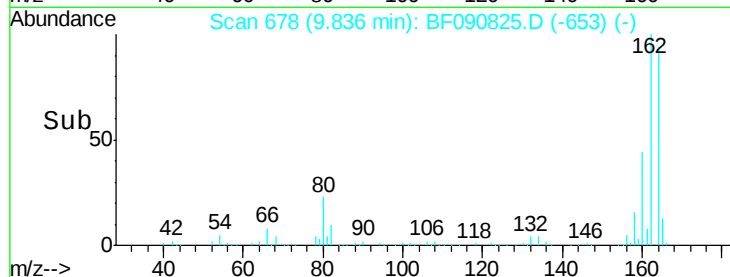
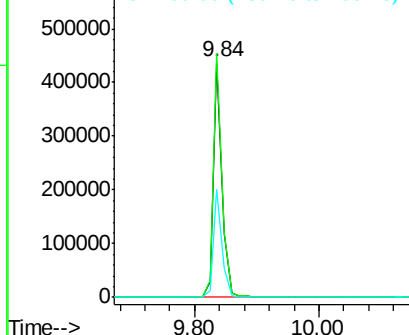
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF090825.D
 Acq: 25 Oct 2016 23:22

Instrument :
 BNA_F
 ClientSampleId :
 SIDEWELL-NORTH

Tgt Ion:164 Resp: 414597
 Ion Ratio Lower Upper
 164 100
 162 103.7 75.2 112.8
 160 46.0 31.5 47.3

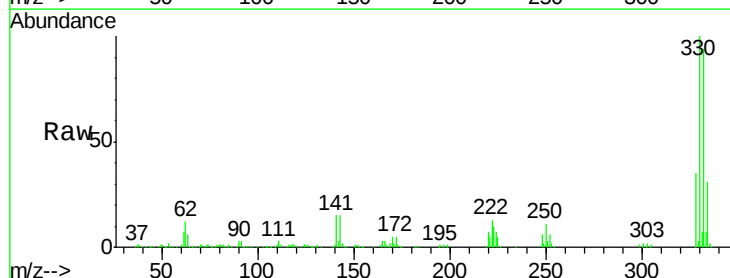


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

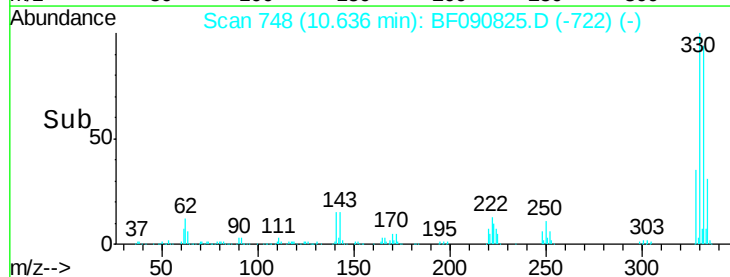
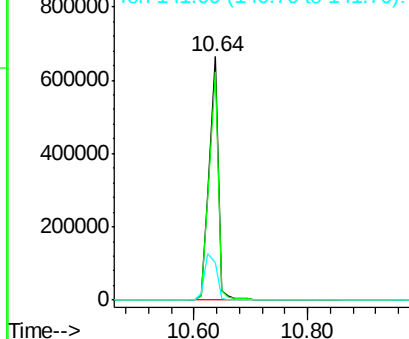


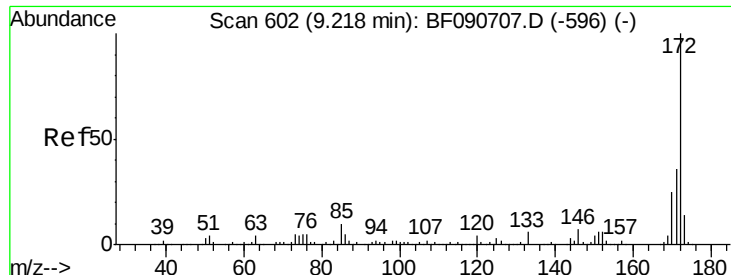
#41
 2,4,6-Tribromophenol
 Concen: 214.92 ng
 RT: 10.64 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BF090825.D
 Acq: 25 Oct 2016 23:22

Tgt Ion:330 Resp: 705279
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 114.8
 141 25.5 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

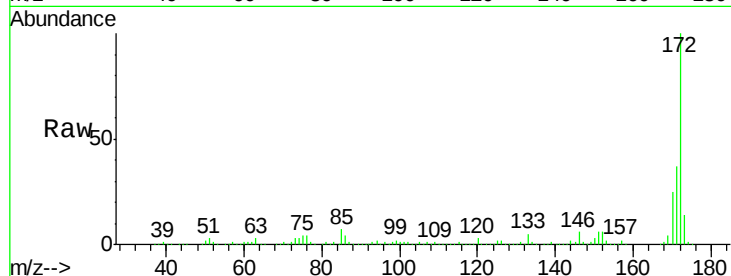




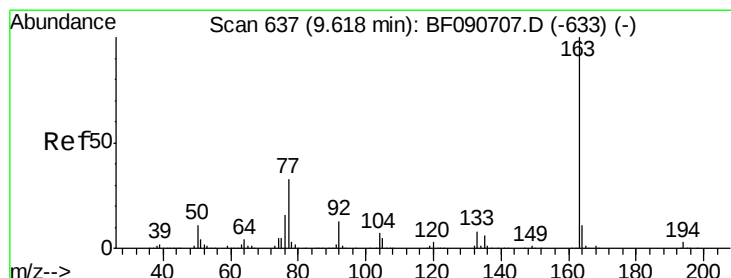
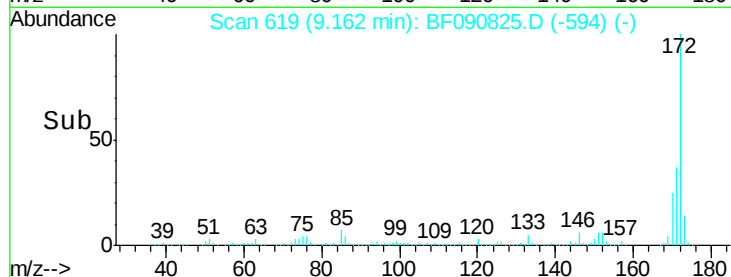
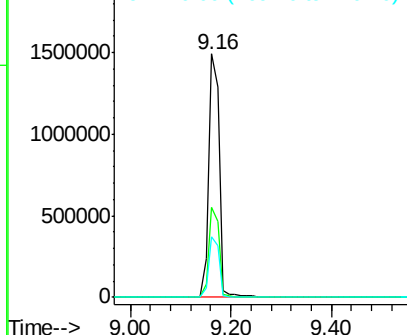
#44
 2-Fluorobiphenyl
 Concen: 81.70 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF090825.D
 Acq: 25 Oct 2016 23:22

Instrument :
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 SIDEWELL-NORTH

Tgt Ion:172 Resp: 2181868
 Ion Ratio Lower Upper
 172 100
 171 37.1 26.1 39.1
 170 24.8 17.4 26.2

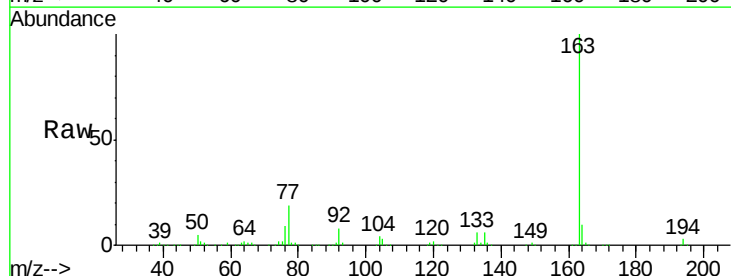


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

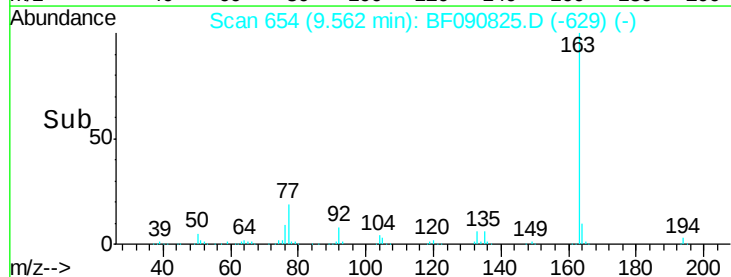
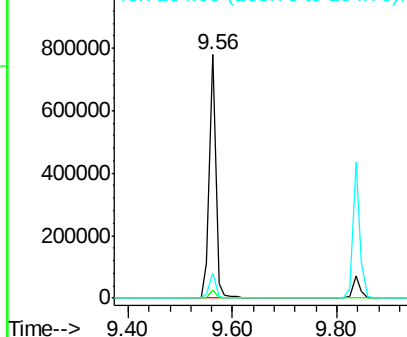


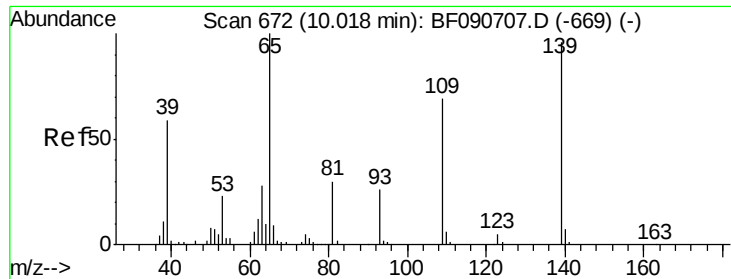
#49
 Dimethylphthalate
 Concen: 25.69 ng
 RT: 9.56 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF090825.D
 Acq: 25 Oct 2016 23:22

Tgt Ion:163 Resp: 669347
 Ion Ratio Lower Upper
 163 100
 194 3.5 4.4 6.6#
 164 10.4 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

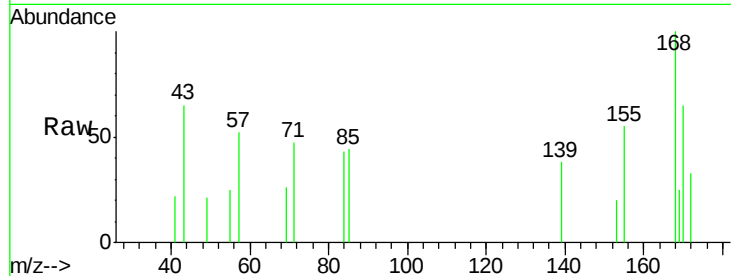




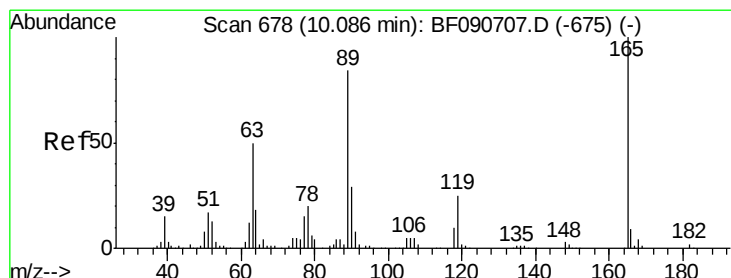
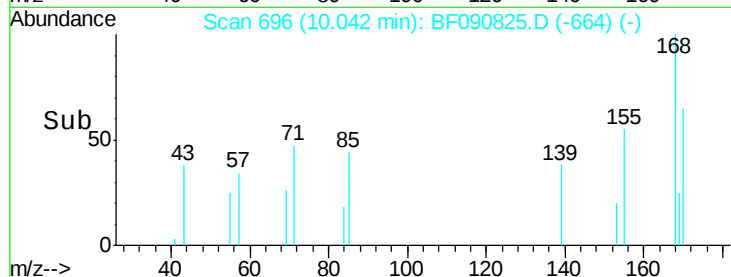
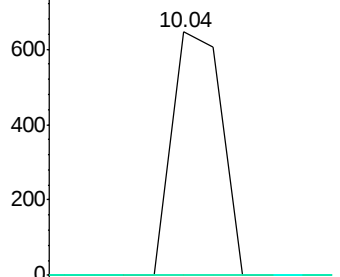
#55
4-Nitrophenol
Concen: 6.14 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.07 min
Lab File: BF090825.D
Acq: 25 Oct 2016 23:22

Instrument :
BNA_F
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SIDEWELL-NORTH

Tgt Ion:139 Resp: 859
Ion Ratio Lower Upper
139 100
109 0.0 12.7 52.7#
65 0.0 45.9 85.9#

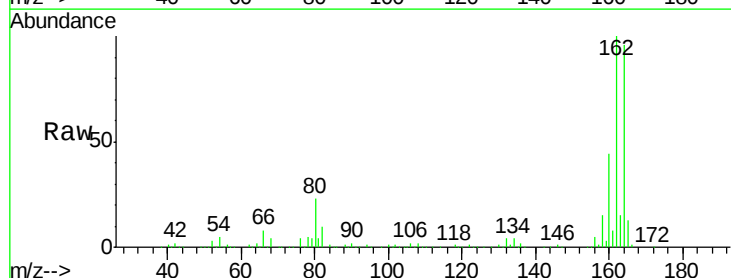


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

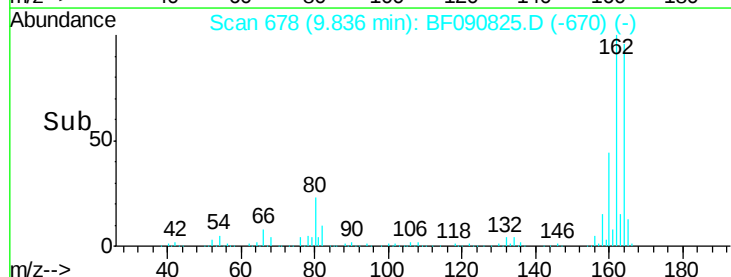
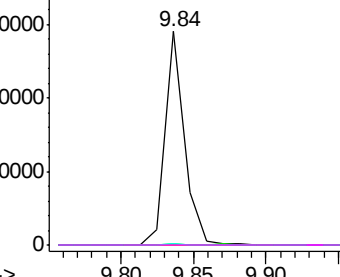


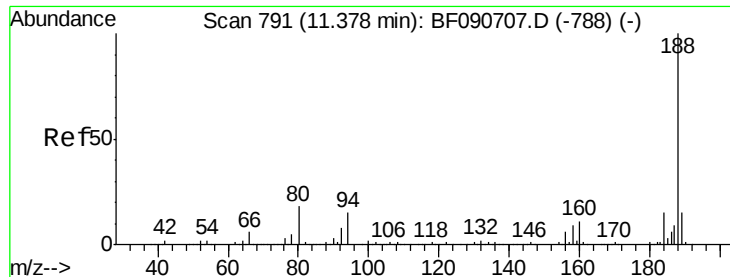
#56
2,4-Dinitrotoluene
Concen: 7.85 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.21 min
Lab File: BF090825.D
Acq: 25 Oct 2016 23:22

Tgt Ion:165 Resp: 53725
Ion Ratio Lower Upper
165 100
63 0.9 29.8 44.6#
89 0.8 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

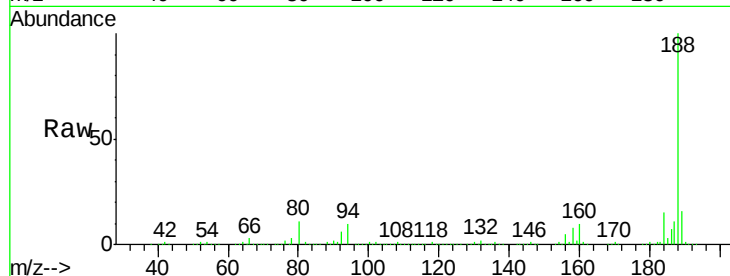




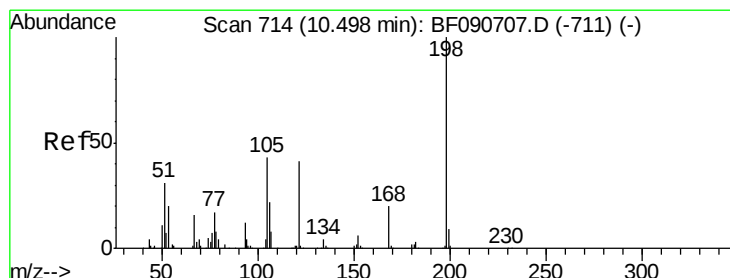
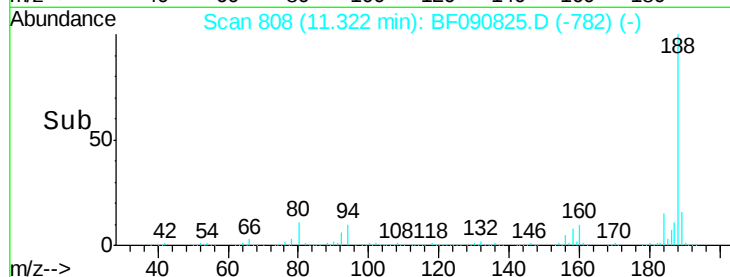
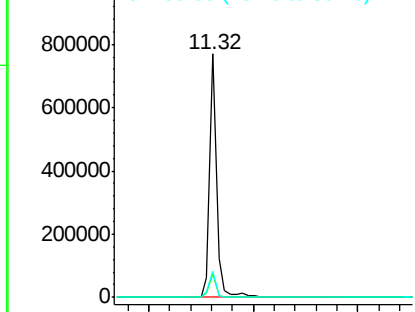
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF090825.D
Acq: 25 Oct 2016 23:22

Instrument :
BNA_F
ClientSampleId :
SIDEWELL-NORTH

Tgt Ion:188 Resp: 714457
Ion Ratio Lower Upper
188 100
94 9.7 11.1 16.7#
80 10.7 11.0 16.4#

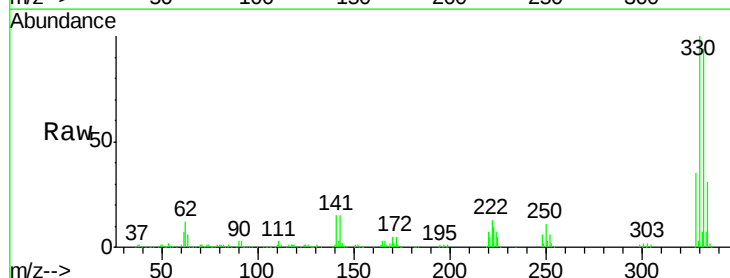


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

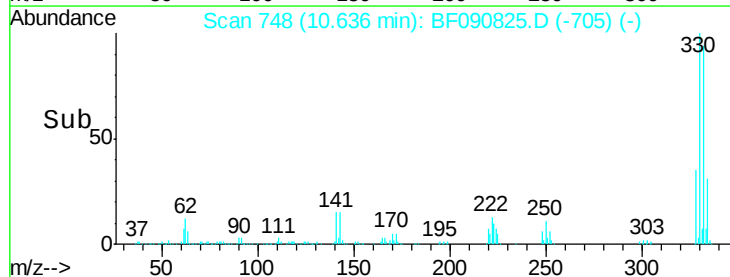
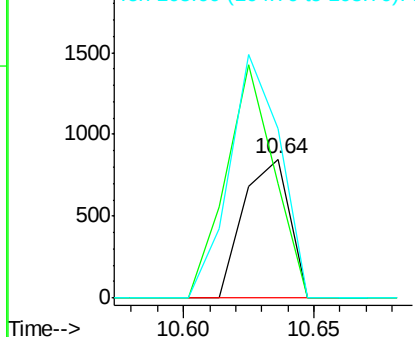


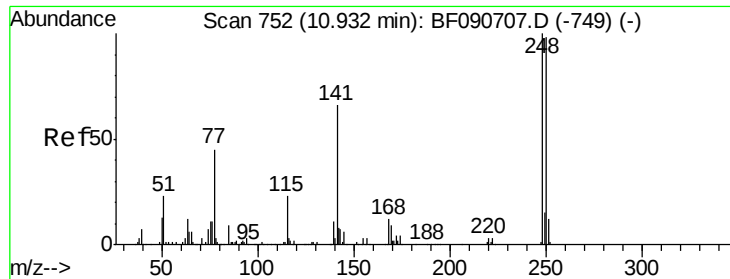
#64
4,6-Dinitro-2-methylphenol
Concen: 4.39 ng
RT: 10.64 min Scan# 748
Delta R.T. 0.19 min
Lab File: BF090825.D
Acq: 25 Oct 2016 23:22

Tgt Ion:198 Resp: 1051
Ion Ratio Lower Upper
198 100
51 82.8 39.6 79.6#
105 122.2 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

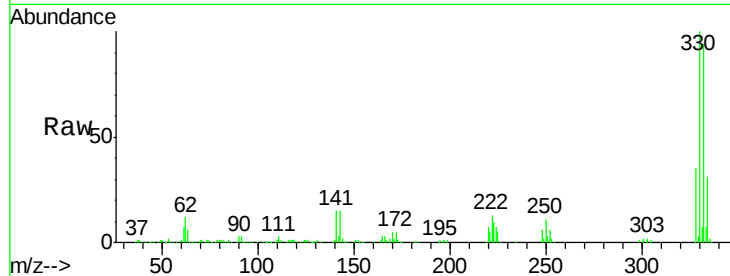




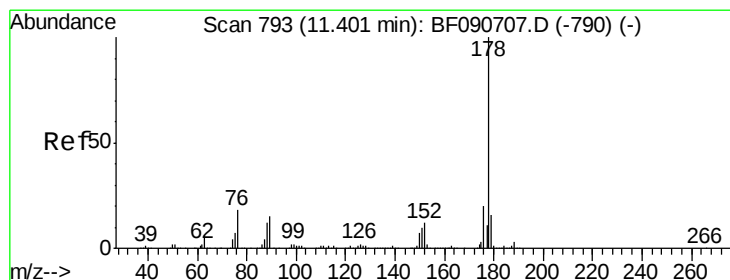
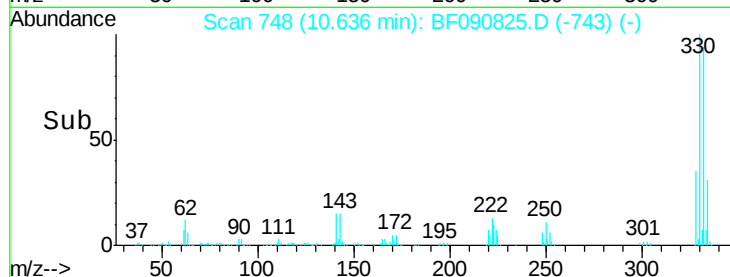
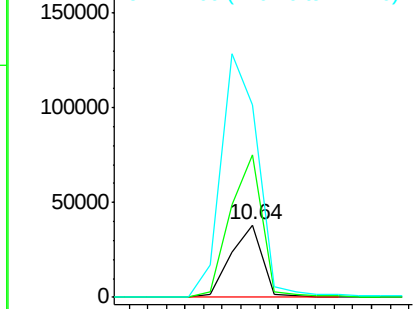
#66
 4-Bromophenyl-phenylether
 Concen: 6.52 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.24 min
 Lab File: BF090825.D
 Acq: 25 Oct 2016 23:22

Instrument :
 BNA_F
 ClientSampleId :
 SIDEWELL-NORTH

Tgt Ion:248 Resp: 45128
 Ion Ratio Lower Upper
 248 100
 250 196.0 78.5 117.7#
 141 265.7 59.0 88.6#

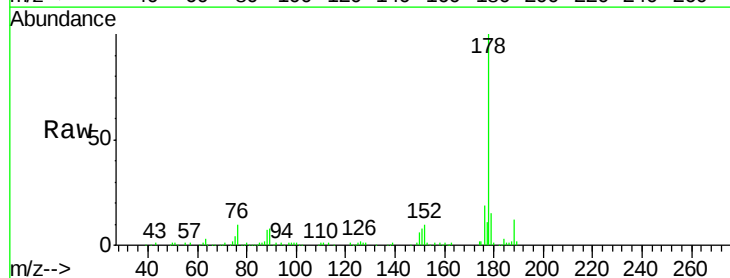


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

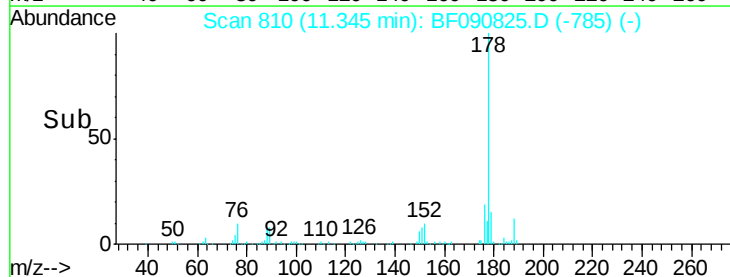
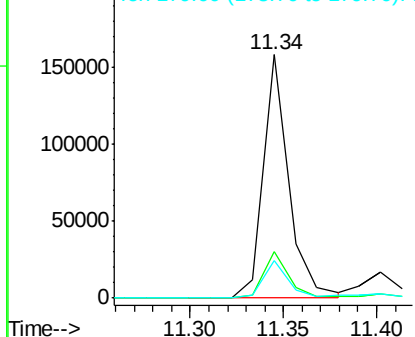


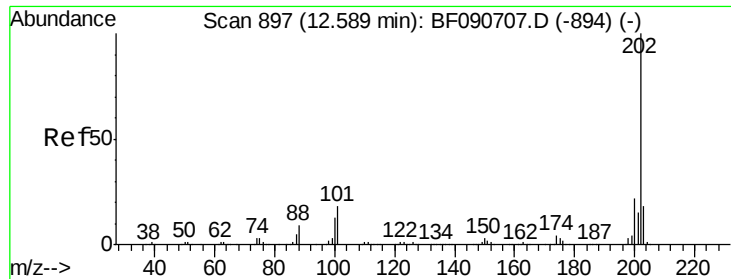
#70
 Phenanthrene
 Concen: 4.07 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF090825.D
 Acq: 25 Oct 2016 23:22

Tgt Ion:178 Resp: 148258
 Ion Ratio Lower Upper
 178 100
 176 19.2 13.8 20.8
 179 15.2 12.2 18.2



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





#74

Fluoranthene

Concen: 8.88 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF090825.D

Acq: 25 Oct 2016 23:22

Instrument :

BNA_F

ClientSampleId :

SIDEWELL-NORTH

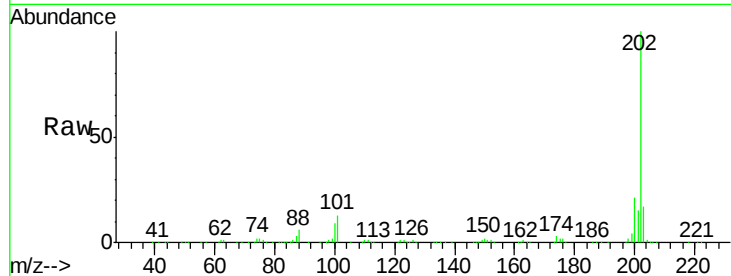
Tgt Ion:202 Resp: 312734

Ion Ratio Lower Upper

202 100

101 12.6 0.0 38.3

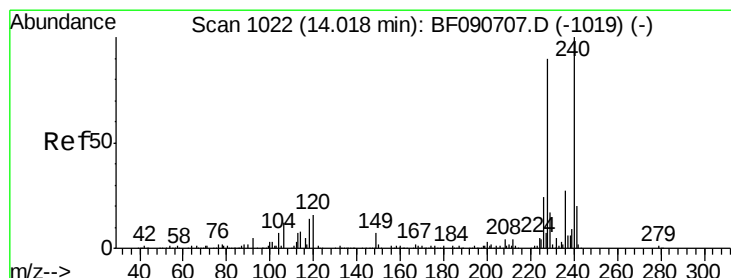
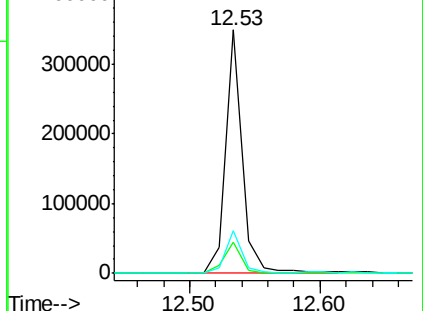
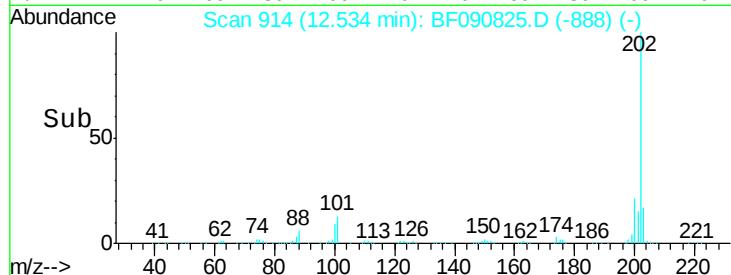
203 17.5 0.0 37.3



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: BF090825.D

Acq: 25 Oct 2016 23:22

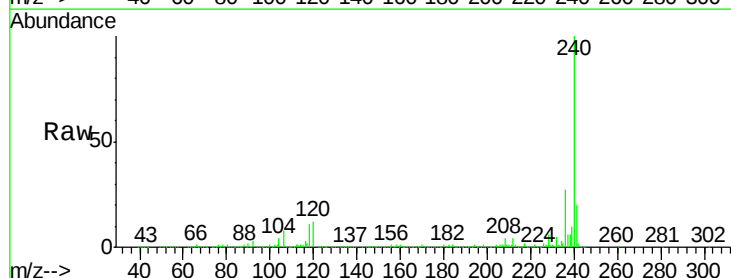
Tgt Ion:240 Resp: 476561

Ion Ratio Lower Upper

240 100

120 12.0 16.2 24.2#

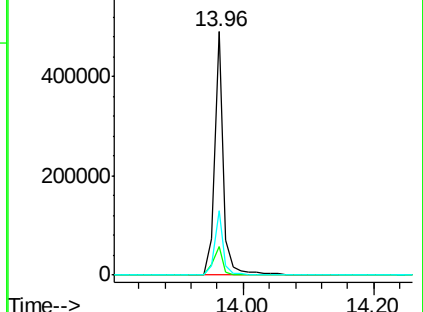
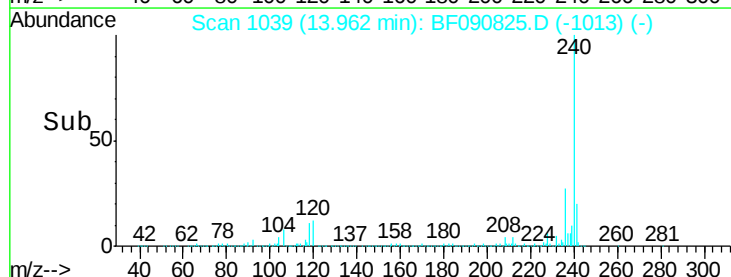
236 26.6 18.4 27.6

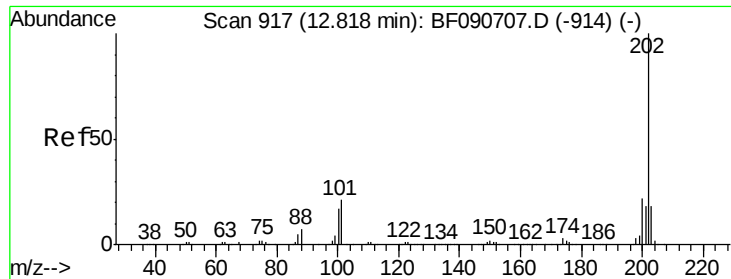


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 7.30 ng

RT: 12.76 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF090825.D

Acq: 25 Oct 2016 23:22

Instrument :

BNA_F

ClientSampleId :

SIDEWELL-NORTH

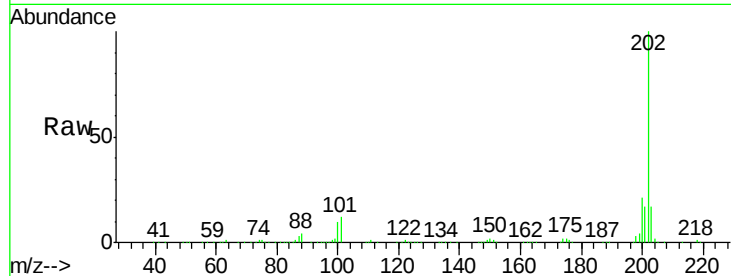
Tgt Ion:202 Resp: 242853

Ion Ratio Lower Upper

202 100

200 20.9 15.0 22.4

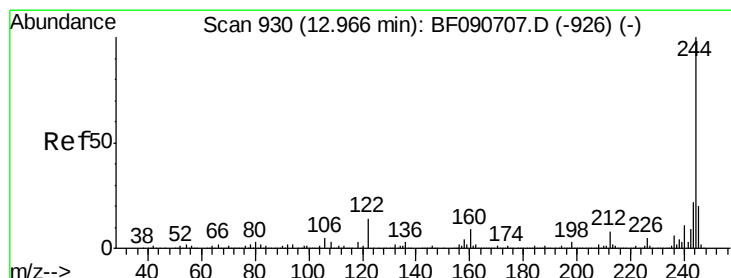
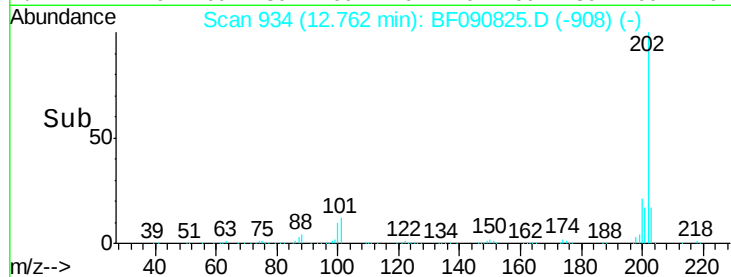
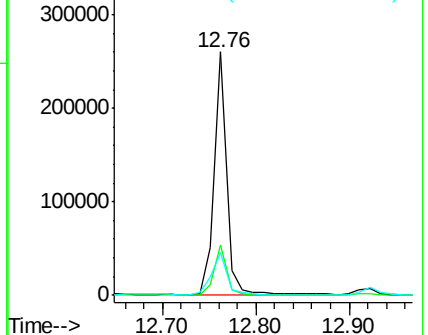
203 17.4 14.1 21.1



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: 106.98 ng

RT: 12.92 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF090825.D

Acq: 25 Oct 2016 23:22

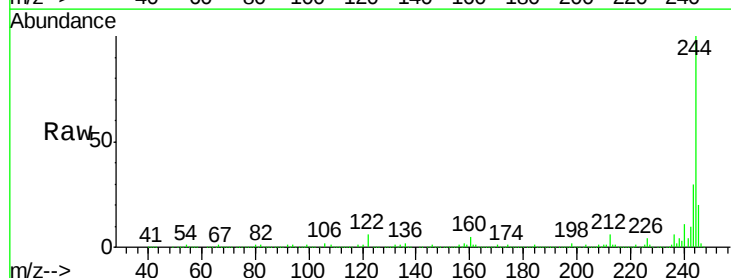
Tgt Ion:244 Resp: 2224397

Ion Ratio Lower Upper

244 100

212 6.3 4.3 6.5

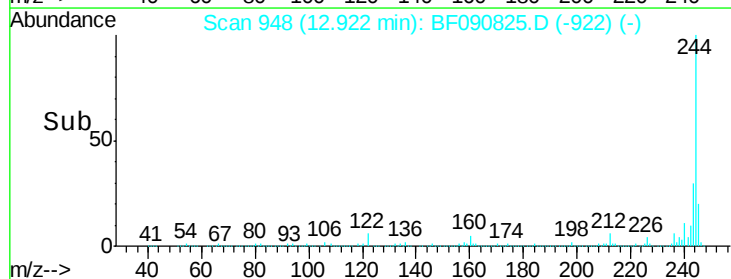
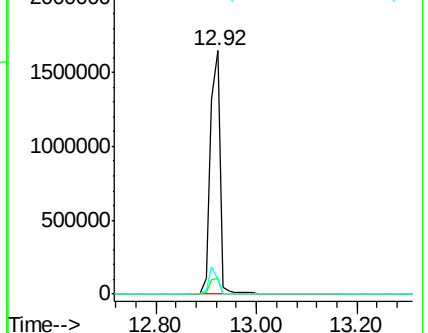
122 6.1 17.4 26.2#

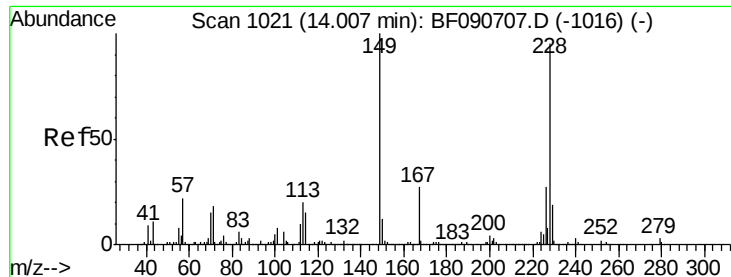


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

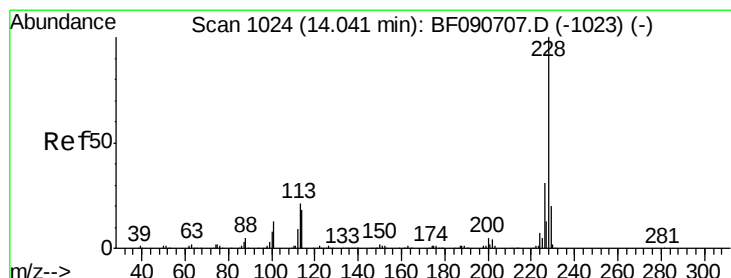
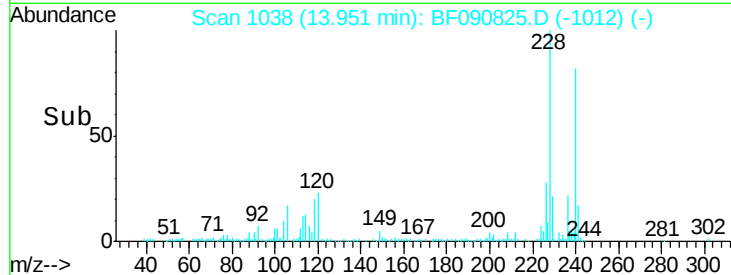
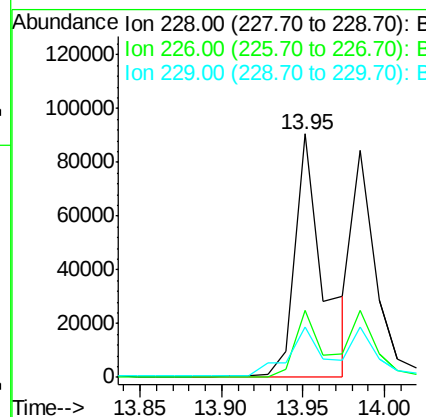
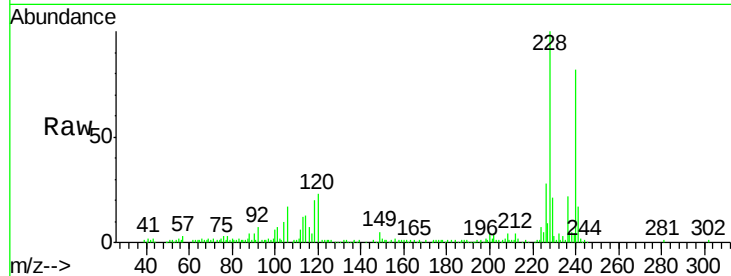




#80
 Benzo(a)anthracene
 Concen: 4.25 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF090825.D
 Acq: 25 Oct 2016 23:22

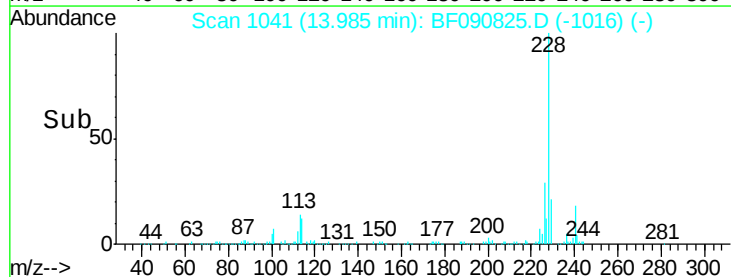
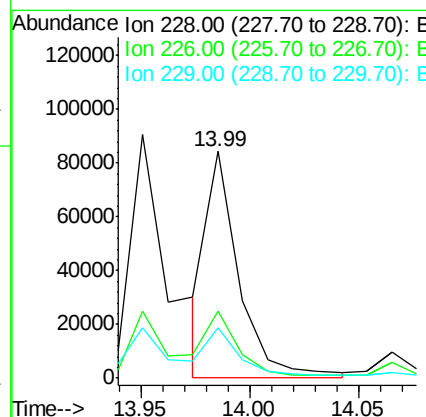
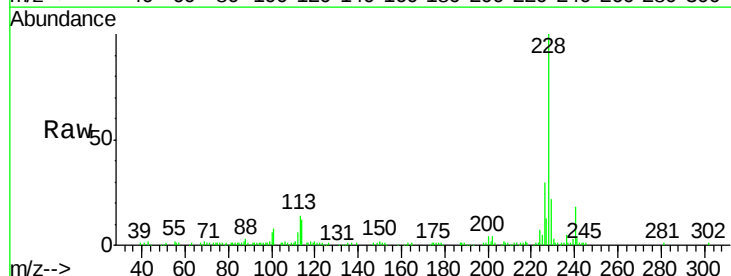
Instrument :
 BNA_F
 ClientSampleId :
 SIDEWELL-NORTH

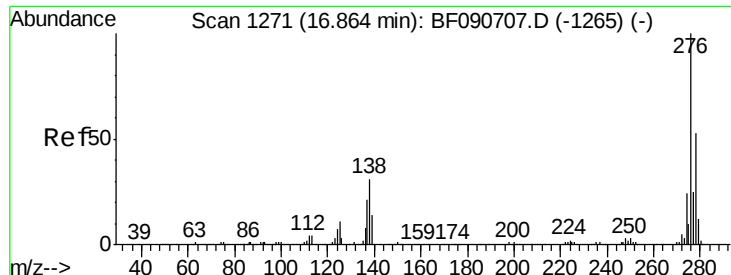
Tgt Ion:	228	Resp:	110732
Ion	Ratio	Lower	Upper
228	100		
226	27.7	20.0	30.0
229	20.7	15.4	23.2



#82
 Chrysene
 Concen: 3.42 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BF090825.D
 Acq: 25 Oct 2016 23:22

Tgt Ion:	228	Resp:	87062
Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.0	31.4
229	22.1	15.6	23.4

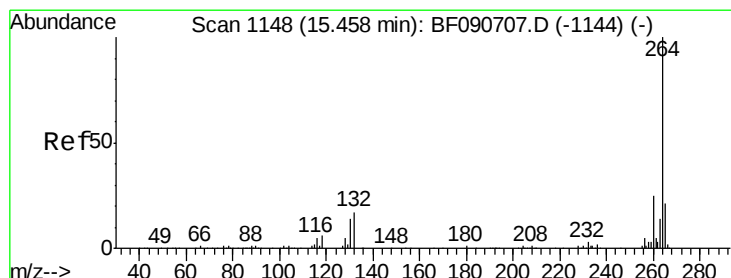
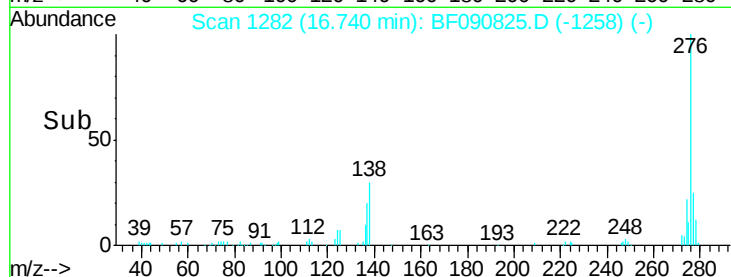
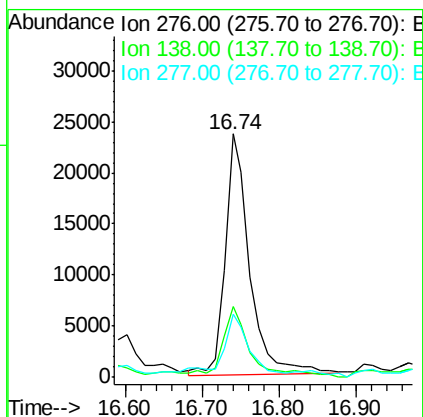
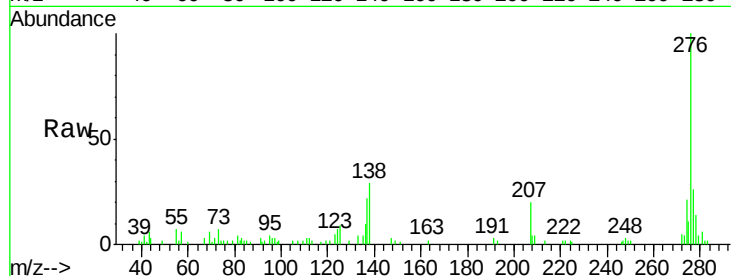




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.38 ng
 RT: 16.74 min Scan# 1282
 Delta R.T. -0.02 min
 Lab File: BF090825.D
 Acq: 25 Oct 2016 23:22

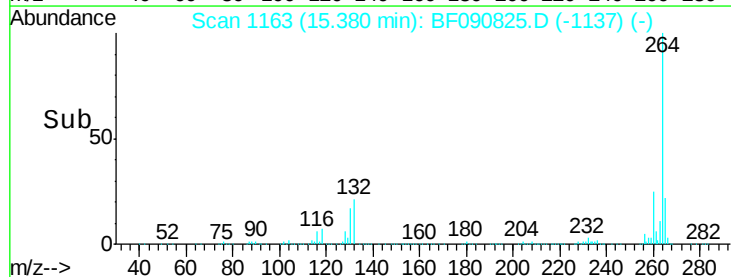
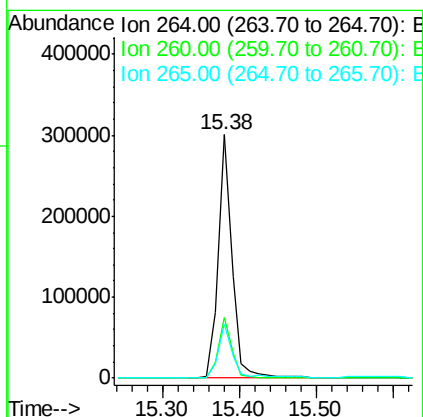
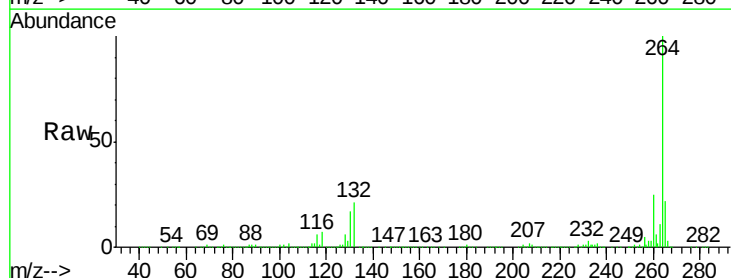
Instrument :
 BNA_F
 ClientSampleId :
 SIDEWELL-NORTH

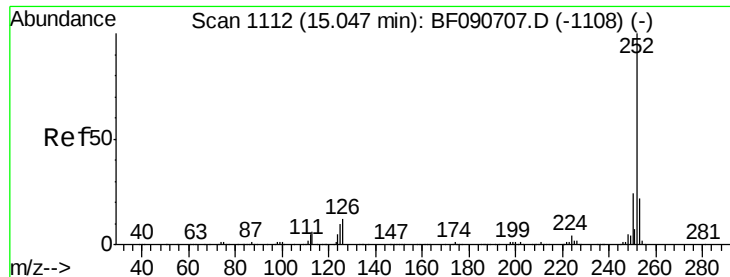
Tgt Ion: 276 Resp: 52811
 Ion Ratio Lower Upper
 276 100
 138 34.6 25.7 38.5
 277 24.8 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: BF090825.D
 Acq: 25 Oct 2016 23:22

Tgt Ion: 264 Resp: 381607
 Ion Ratio Lower Upper
 264 100
 260 24.6 16.7 25.1
 265 22.0 17.2 25.8

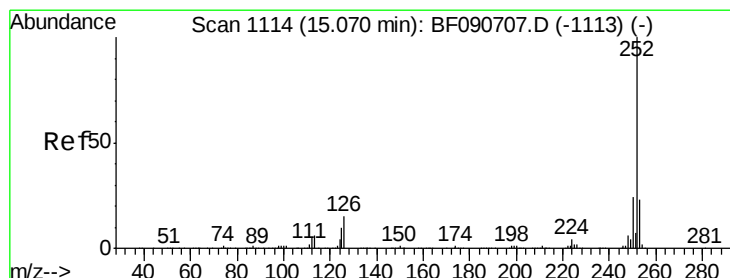
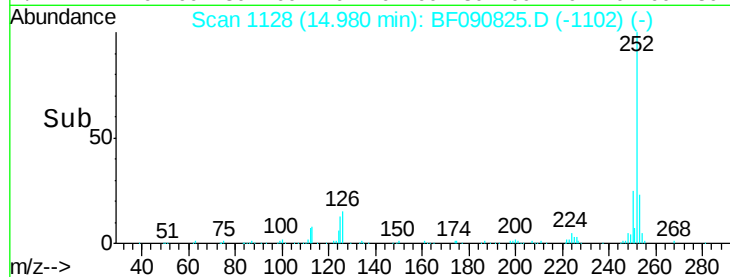
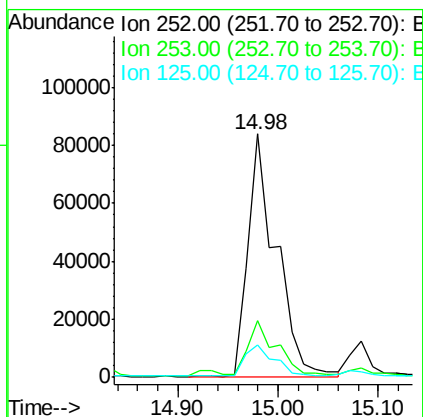
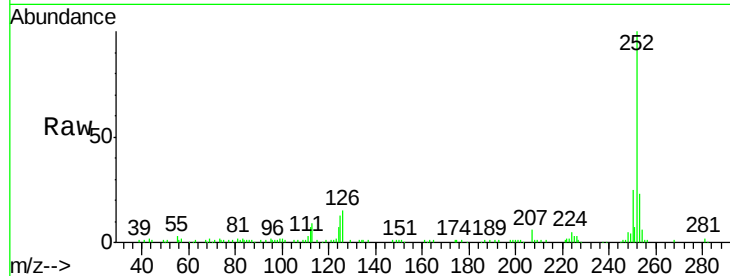




#87
Benzo(b)fluoranthene
Concen: 7.07 ng
RT: 14.98 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF090825.D
Acq: 25 Oct 2016 23:22

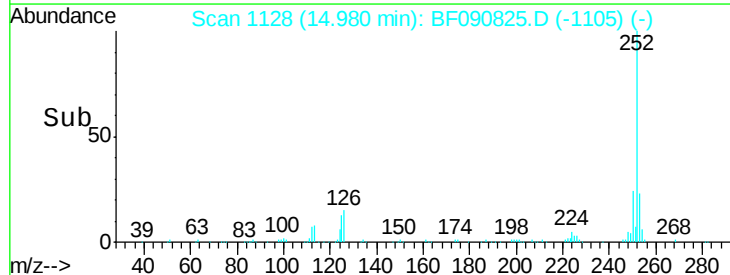
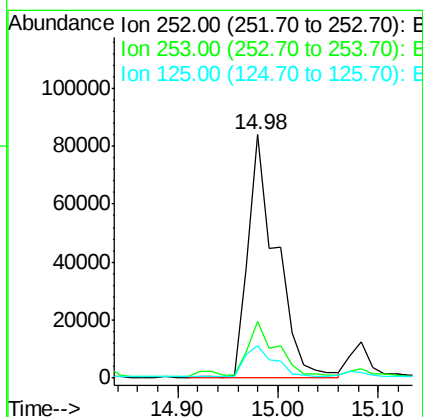
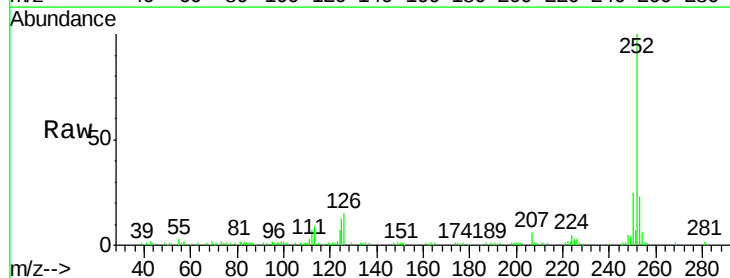
Instrument :
BNA_F
ClientSampleId :
SIDEWELL-NORTH

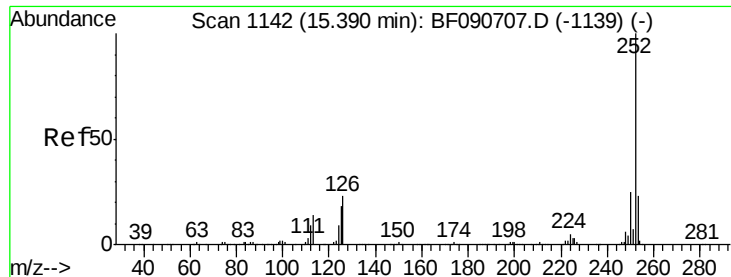
Tgt Ion:252 Resp: 165848
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 13.3 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 7.03 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.03 min
Lab File: BF090825.D
Acq: 25 Oct 2016 23:22

Tgt Ion:252 Resp: 165848
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 13.3 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 3.29 ng

RT: 15.32 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BF090825.D

Acq: 25 Oct 2016 23:22

Instrument :

BNA_F

ClientSampleId :

SIDEWELL-NORTH

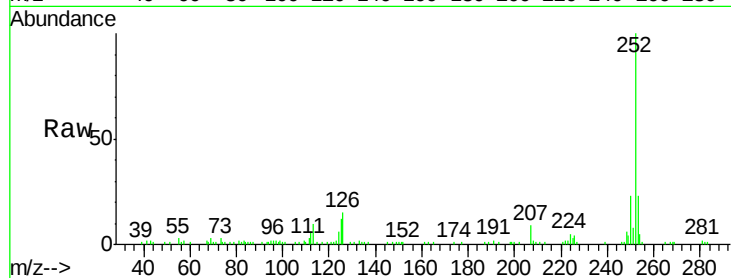
Tgt Ion:252 Resp: 72533

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

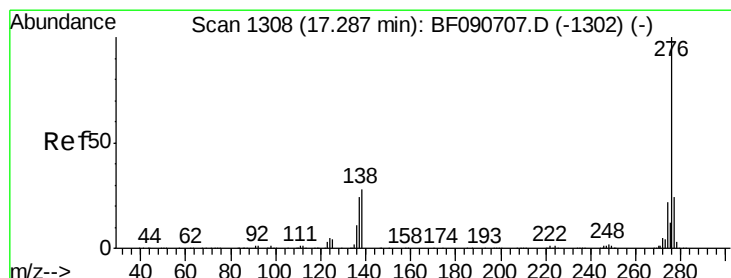
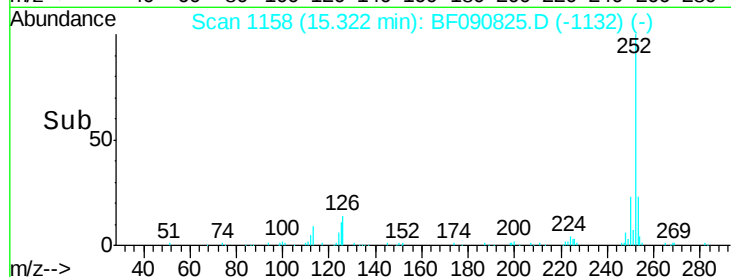
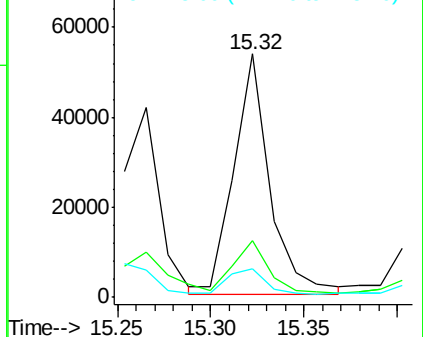
125 11.6 18.0 27.0#



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



#91

Benzo(g,h,i)perylene

Concen: 2.46 ng

RT: 17.15 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF090825.D

Acq: 25 Oct 2016 23:22

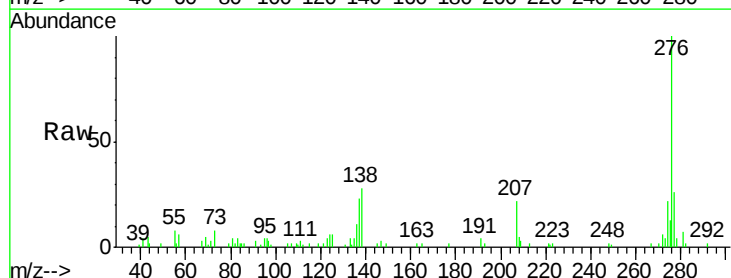
Tgt Ion:276 Resp: 50513

Ion Ratio Lower Upper

276 100

277 26.0 17.8 26.6

138 27.9 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

