

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102516\
 Data File : BF090824.D
 Acq On : 25 Oct 2016 22:55
 Operator : UM/SJ
 Sample : H5394-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SIDEWELL-EAST

Quant Time: Oct 26 00:58:05 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	185520	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	784379	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	409100	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	663333	20.00	ng	0.00
75) Chrysene-d12	13.96	240	424601	20.00	ng	0.00
86) Perylene-d12	15.38	264	356172	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1146346	99.65	ng	0.01
7) Phenol-d6	6.44	99	1585781	101.77	ng	0.00
23) Nitrobenzene-d5	7.37	82	976317	68.27	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	406142	125.43	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1623924	61.62	ng	-0.01
78) Terphenyl-d14	12.91	244	1463073	78.97	ng	-0.01

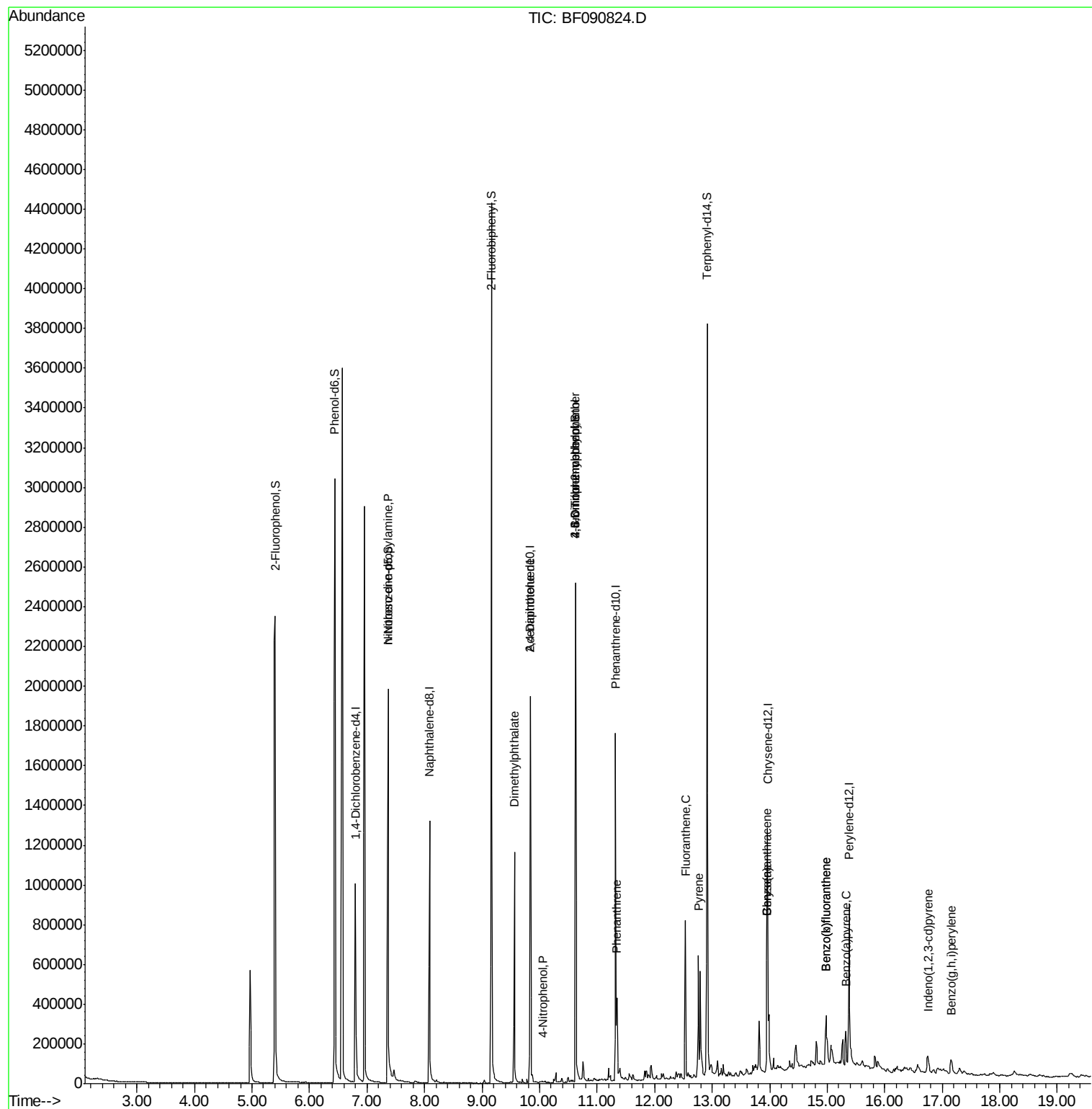
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	126863	10.93	ng	# 48
49) Dimethylphthalate	9.56	163	530867	20.65	ng	# 97
55) 4-Nitrophenol	10.05	139	1161	6.21	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	53099	7.86	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.62	198	492	4.28	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	24437	3.80	ng	# 1
70) Phenanthrene	11.34	178	149967	4.44	ng	97
74) Fluoranthene	12.53	202	341051	10.43	ng	90
77) Pyrene	12.76	202	270881	9.13	ng	97
80) Benzo(a)anthracene	13.95	228	134094	5.77	ng	94
82) Chrysene	13.95	228	134094	5.91	ng	96
85) Indeno(1,2,3-cd)pyrene	16.75	276	65486	3.31	ng	# 84
87) Benzo(b)fluoranthene	14.98	252	199839	9.12	ng	# 91
88) Benzo(k)fluoranthene	14.98	252	199839	9.08	ng	# 91
89) Benzo(a)pyrene	15.32	252	97761	4.76	ng	# 86
91) Benzo(g,h,i)perylene	17.15	276	59703	3.12	ng	# 81

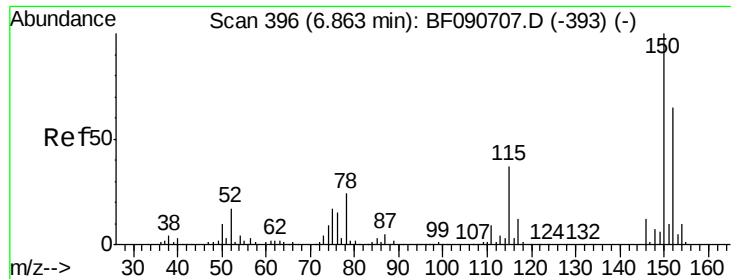
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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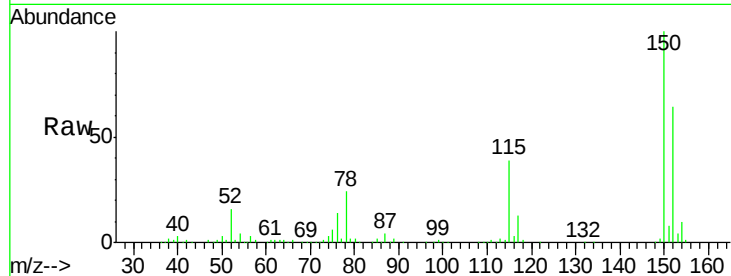


#1

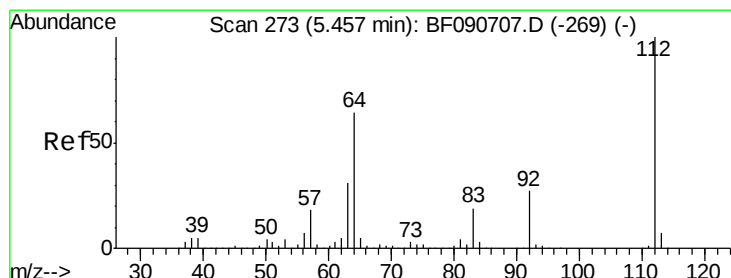
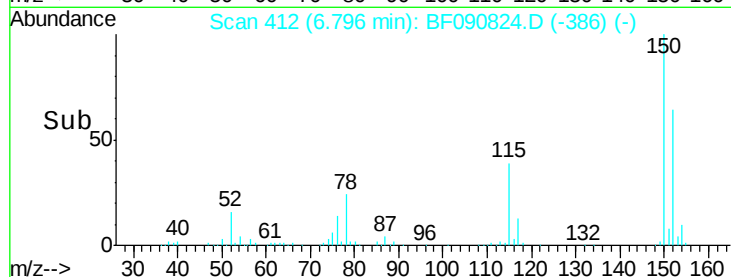
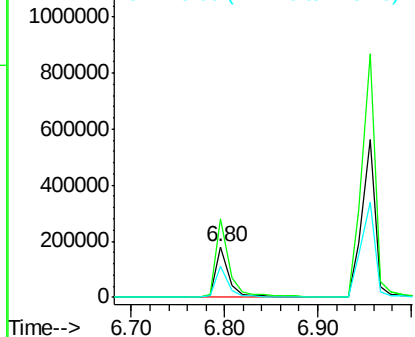
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF090824.D
Acq: 25 Oct 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SIDEWELL-EAST

Tgt Ion:152 Resp: 185520
Ion Ratio Lower Upper
152 100
150 155.1 124.7 187.1
115 59.9 39.0 58.4#



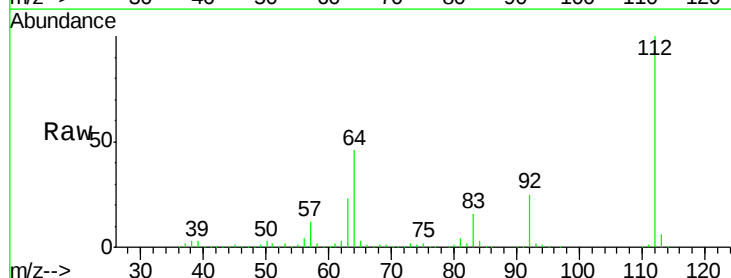
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



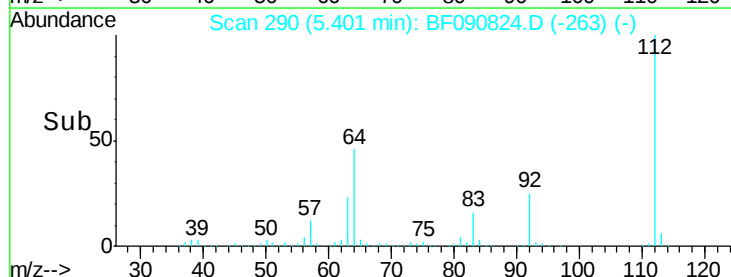
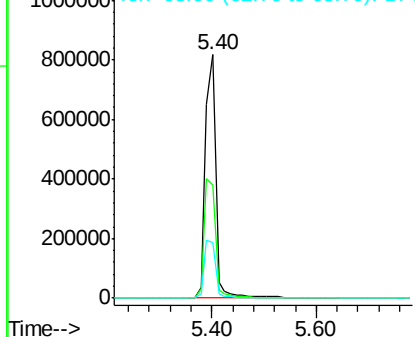
#5

2-Fluorophenol
Concen: 99.65 ng
RT: 5.40 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF090824.D
Acq: 25 Oct 2016 22:55

Tgt Ion:112 Resp: 1146346
Ion Ratio Lower Upper
112 100
64 46.5 39.7 59.5
63 22.7 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: 101.77 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF090824.D

Acq: 25 Oct 2016 22:55

Instrument :

BNA_F

ClientSampleId :

SIDEWELL-EAST

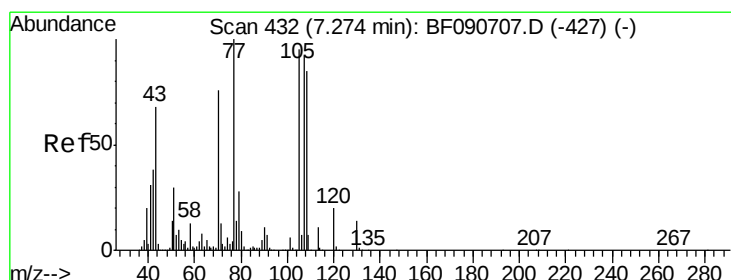
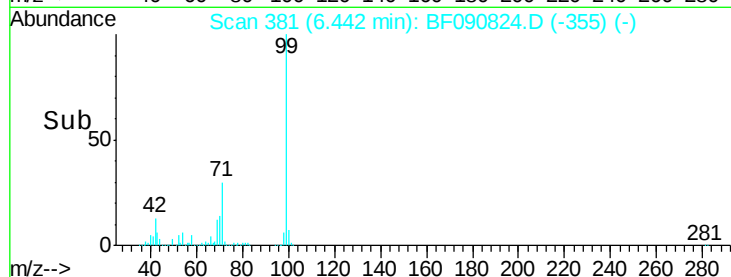
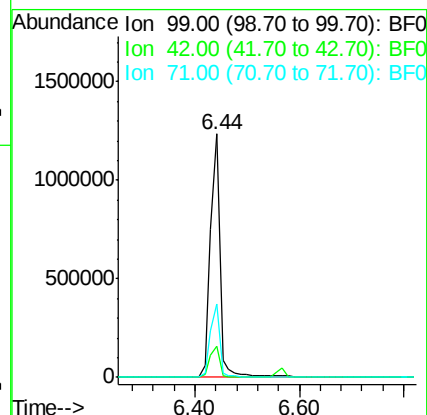
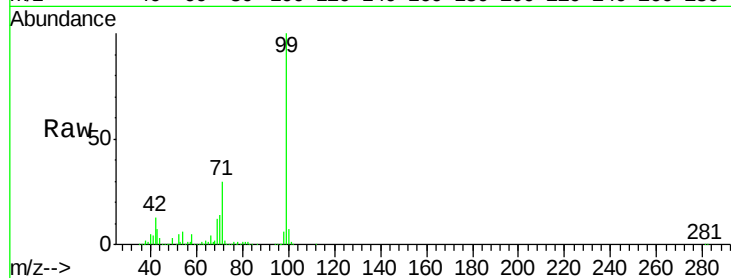
Tgt Ion: 99 Resp: 1585781

Ion Ratio Lower Upper

99 100

42 12.6 13.7 20.5#

71 30.1 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 10.93 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.14 min

Lab File: BF090824.D

Acq: 25 Oct 2016 22:55

Tgt Ion: 70 Resp: 126863

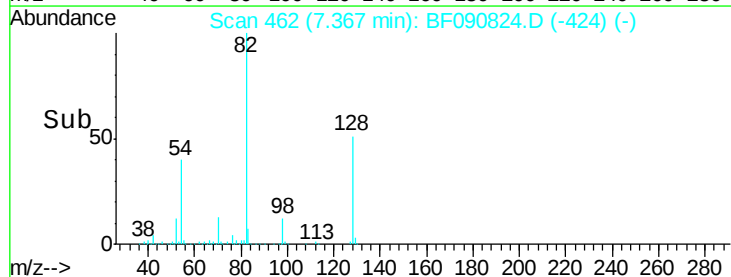
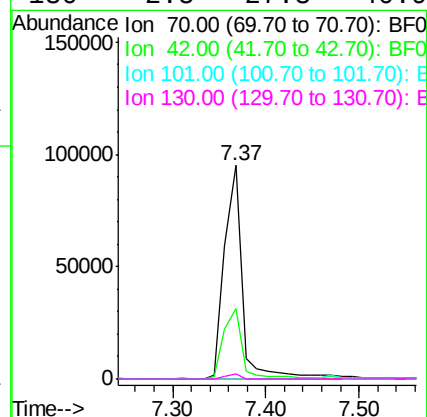
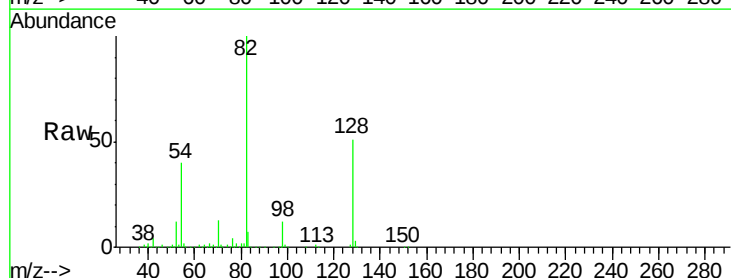
Ion Ratio Lower Upper

70 100

42 32.8 63.8 95.6#

101 0.0 9.2 13.8#

130 2.5 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: BF090824.D

Acq: 25 Oct 2016 22:55

Instrument :

BNA_F

ClientSampleId :

SIDEWELL-EAST

Tgt Ion: 136 Resp: 784379

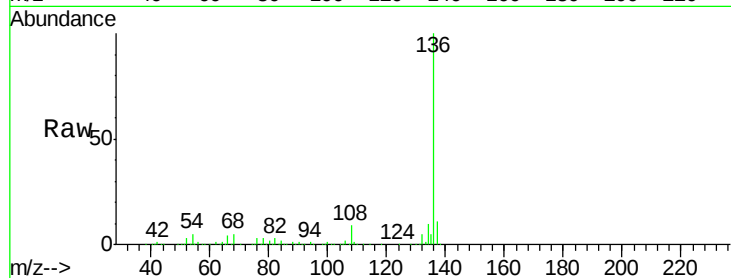
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 5.4 8.2 12.2#

68 5.3 5.8 8.6#

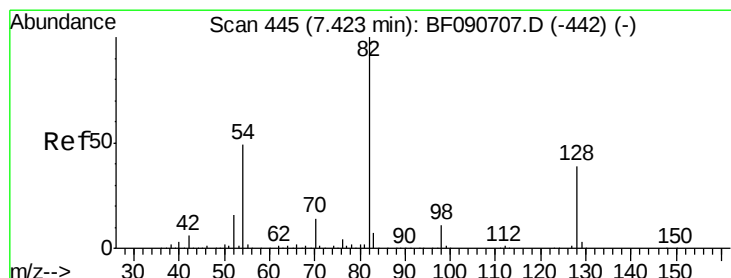
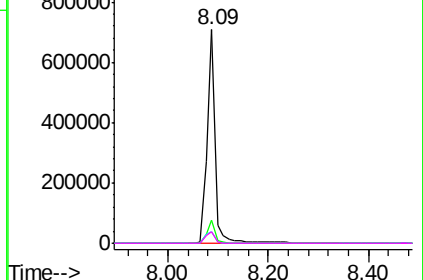
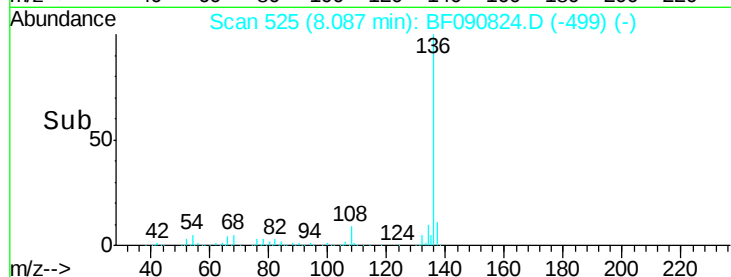


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.27 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.00 min

Lab File: BF090824.D

Acq: 25 Oct 2016 22:55

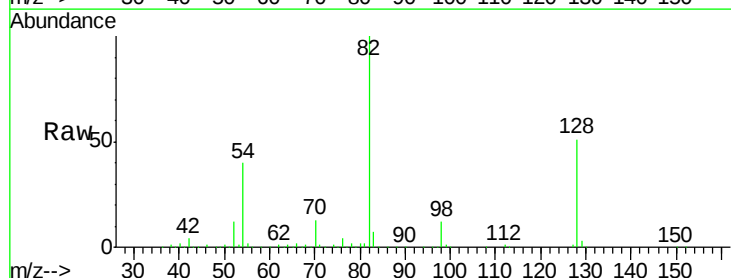
Tgt Ion: 82 Resp: 976317

Ion Ratio Lower Upper

82 100

128 50.6 51.0 76.6#

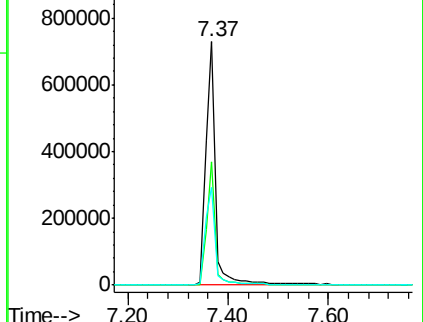
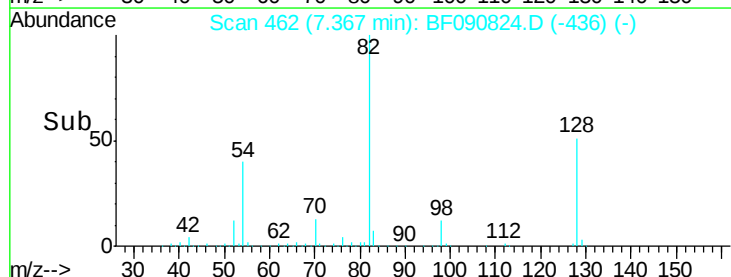
54 39.9 47.5 71.3#

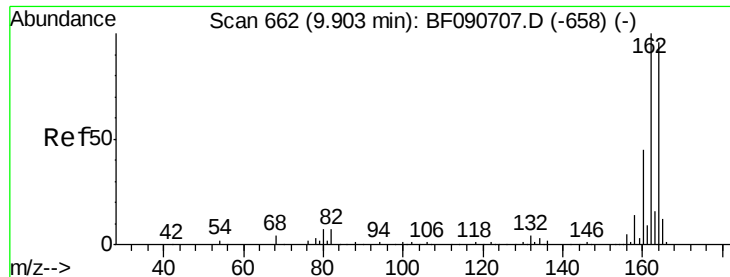


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

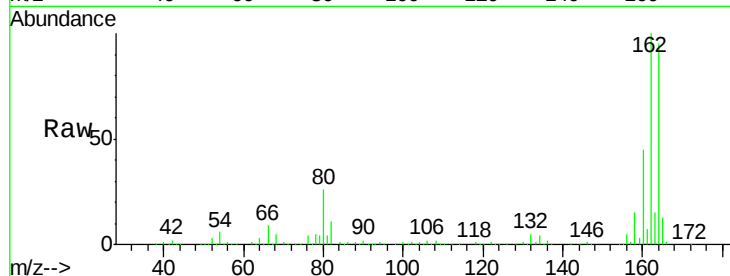




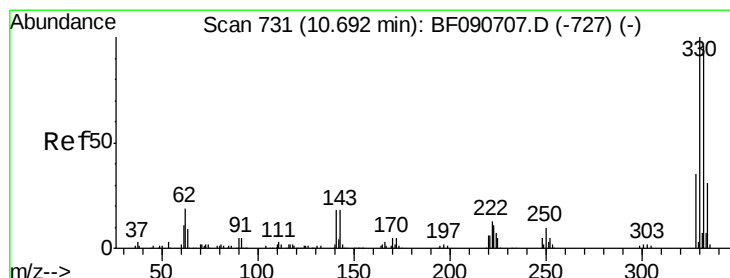
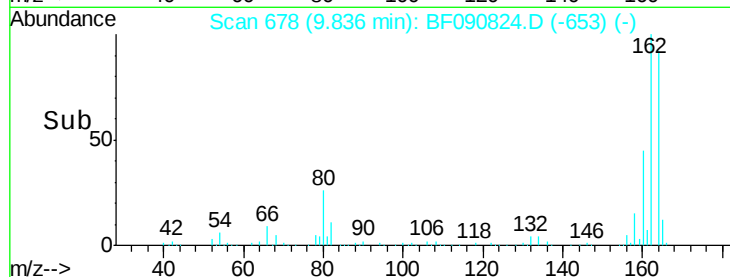
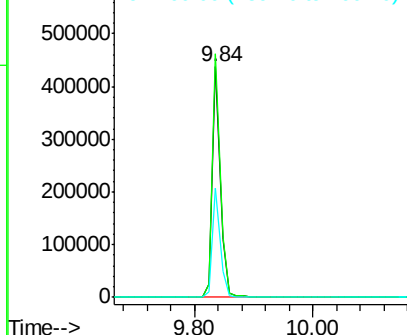
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF090824.D
 Acq: 25 Oct 2016 22:55

Instrument :
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 SIDEWELL-EAST

Tgt Ion:164 Resp: 409100
 Ion Ratio Lower Upper
 164 100
 162 105.7 75.2 112.8
 160 47.2 31.5 47.3

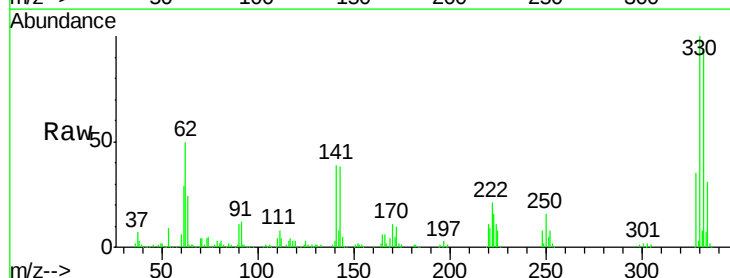


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

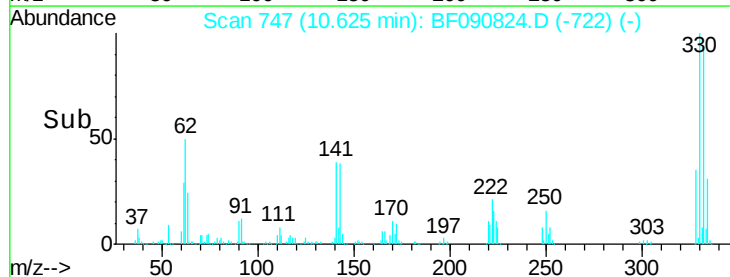
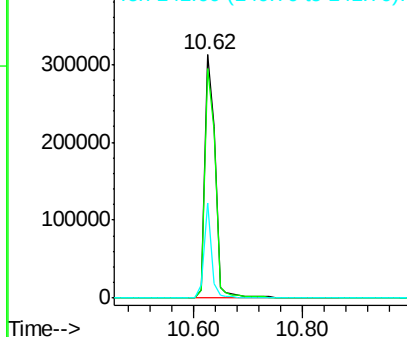


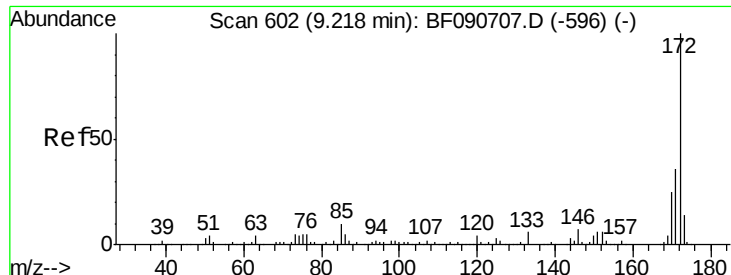
#41
 2,4,6-Tribromophenol
 Concen: 125.43 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF090824.D
 Acq: 25 Oct 2016 22:55

Tgt Ion:330 Resp: 406142
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 114.8
 141 28.7 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

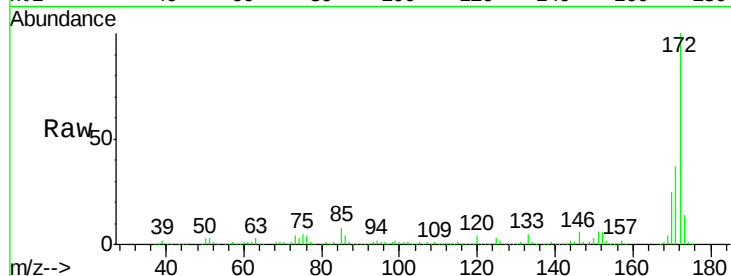




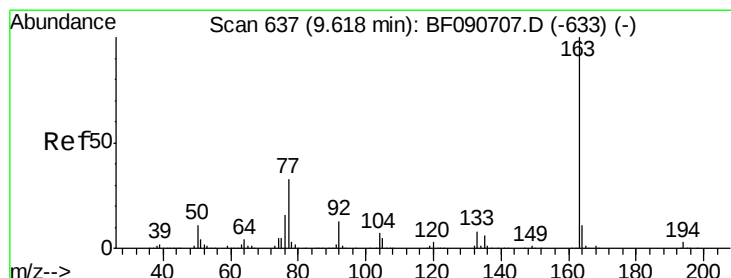
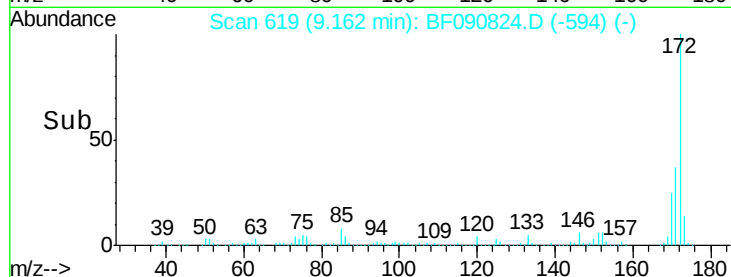
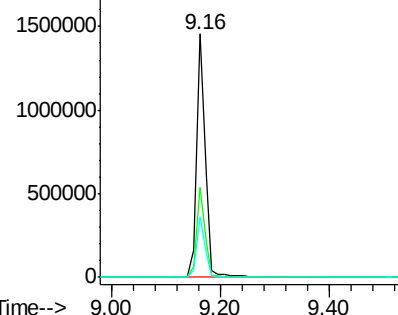
#44
 2-Fluorobiphenyl
 Concen: 61.62 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF090824.D
 Acq: 25 Oct 2016 22:55

Instrument :
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 SIDEWELL-EAST

Tgt Ion:172 Resp: 1623924
 Ion Ratio Lower Upper
 172 100
 171 37.1 26.1 39.1
 170 24.9 17.4 26.2

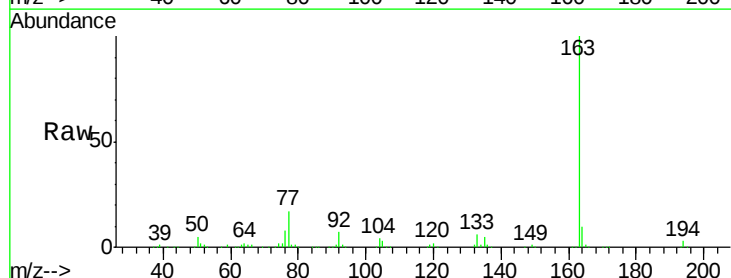


Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

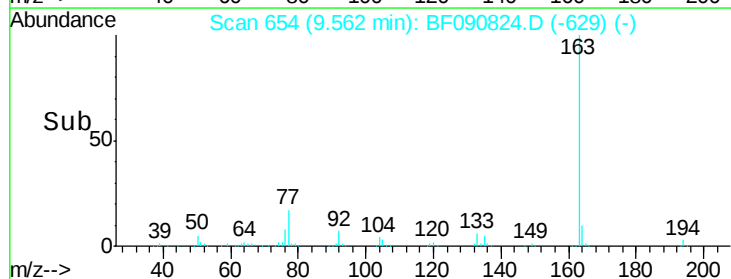
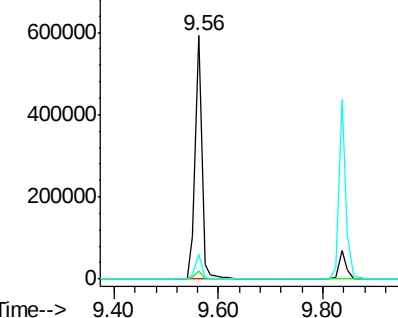


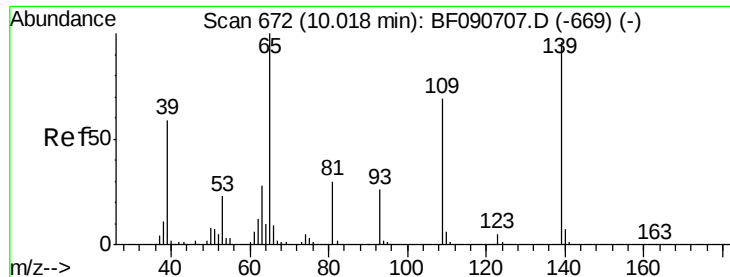
#49
 Dimethylphthalate
 Concen: 20.65 ng
 RT: 9.56 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF090824.D
 Acq: 25 Oct 2016 22:55

Tgt Ion:163 Resp: 530867
 Ion Ratio Lower Upper
 163 100
 194 3.5 4.4 6.6#
 164 10.1 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
 800000 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

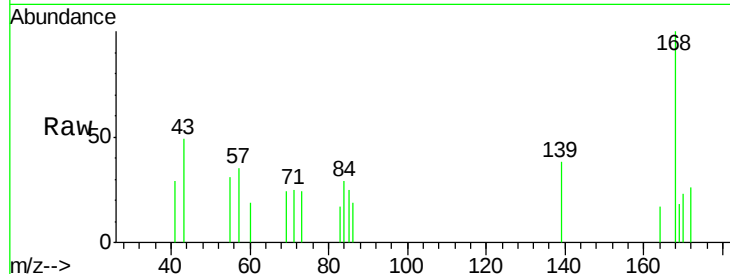




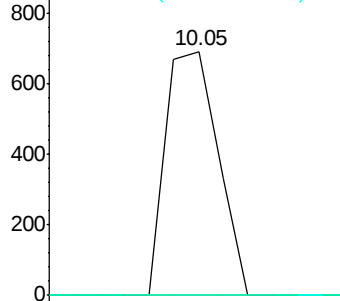
#55
4-Nitrophenol
Concen: 6.21 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.08 min
Lab File: BF090824.D
Acq: 25 Oct 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SIDEWELL-EAST

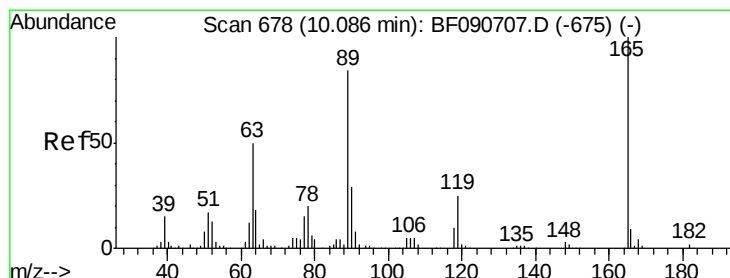
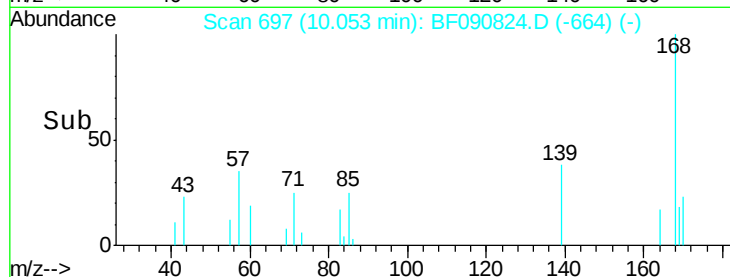
Tgt Ion:139 Resp: 1161
Ion Ratio Lower Upper
139 100
109 0.0 12.7 52.7#
65 0.0 45.9 85.9#



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): BF0

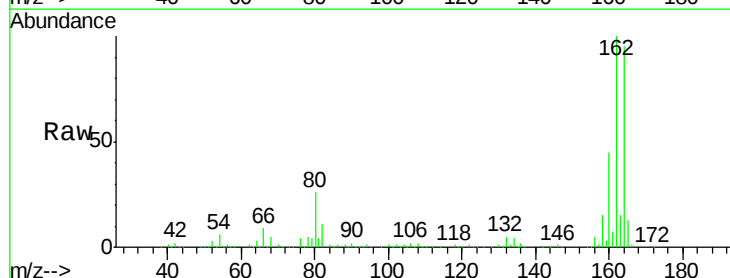


Time-->

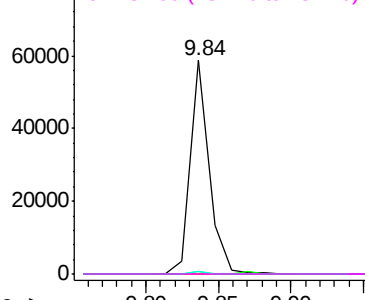


#56
2,4-Dinitrotoluene
Concen: 7.86 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.21 min
Lab File: BF090824.D
Acq: 25 Oct 2016 22:55

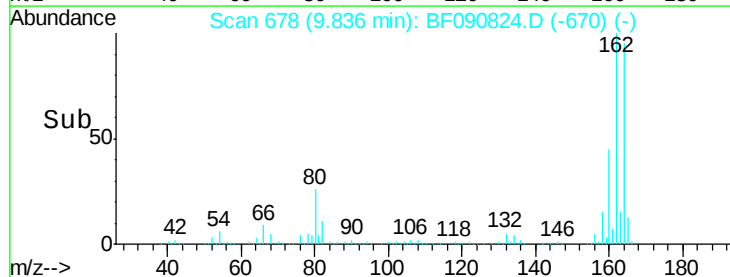
Tgt Ion:165 Resp: 53099
Ion Ratio Lower Upper
165 100
63 1.0 29.8 44.6#
89 1.1 44.5 66.7#
182 0.0 3.0 4.4#

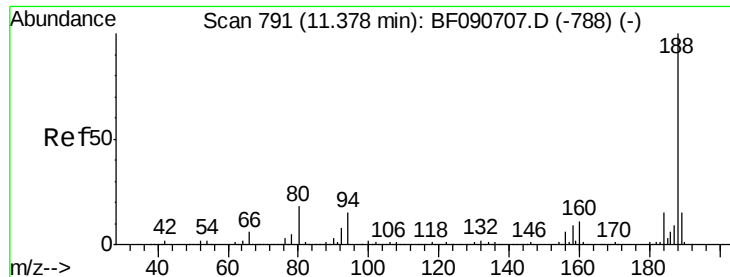


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E



Time-->

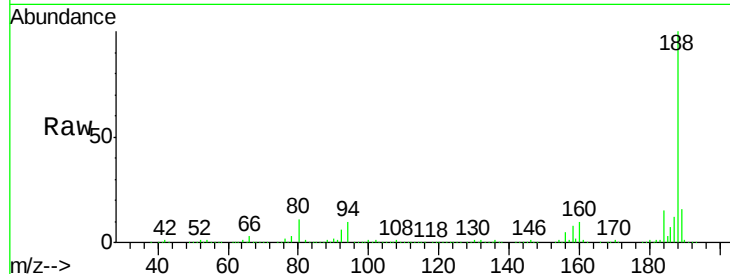




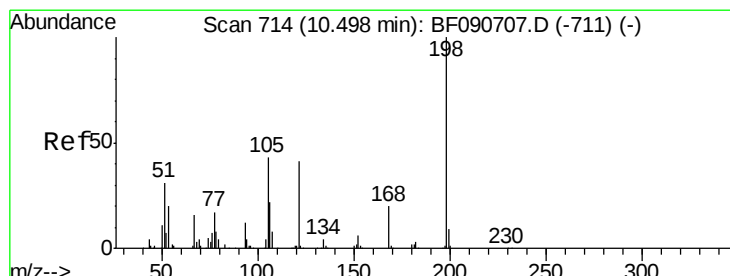
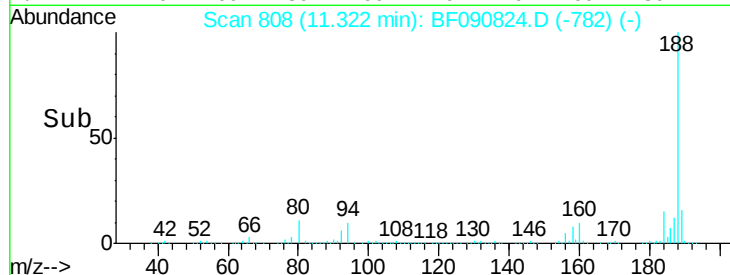
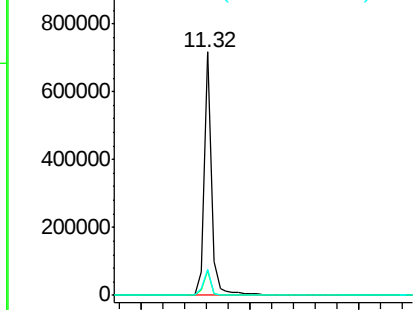
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF090824.D
Acq: 25 Oct 2016 22:55

Instrument :
BNA_F
ClientSampleId :
SIDEWELL-EAST

Tgt Ion:188 Resp: 663333
Ion Ratio Lower Upper
188 100
94 10.1 11.1 16.7#
80 10.8 11.0 16.4#

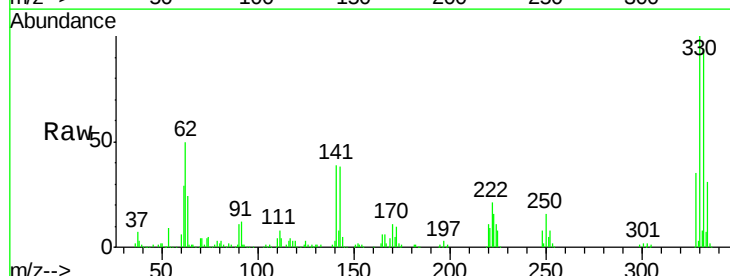


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

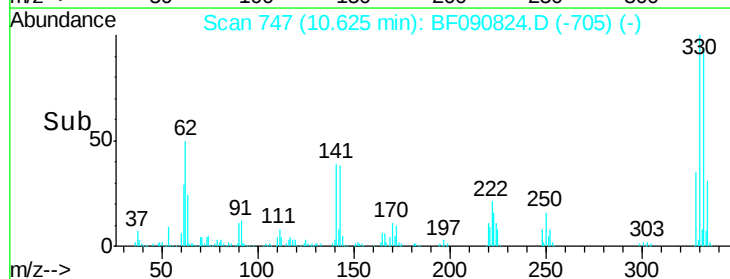
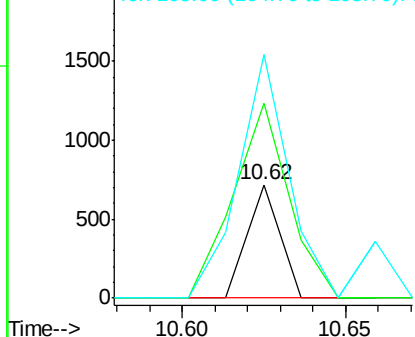


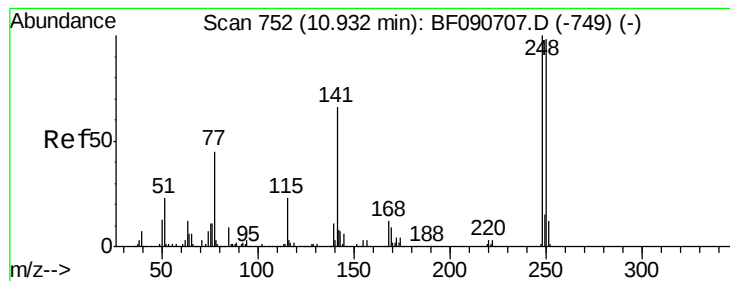
#64
4,6-Dinitro-2-methylphenol
Concen: 4.28 ng
RT: 10.62 min Scan# 747
Delta R.T. 0.18 min
Lab File: BF090824.D
Acq: 25 Oct 2016 22:55

Tgt Ion:198 Resp: 492
Ion Ratio Lower Upper
198 100
51 172.5 39.6 79.6#
105 215.1 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: 3.80 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.25 min

Lab File: BF090824.D

Acq: 25 Oct 2016 22:55

Instrument :

BNA_F

ClientSampleId :

SIDEWELL-EAST

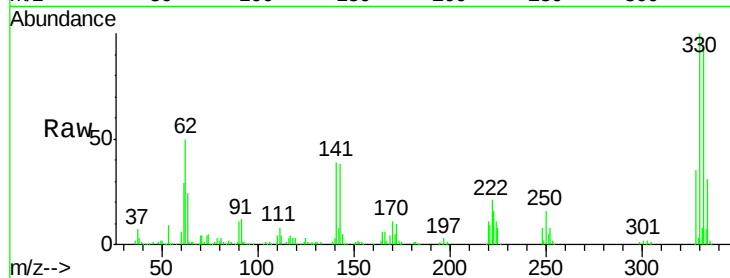
Tgt Ion:248 Resp: 24437

Ion Ratio Lower Upper

248 100

250 199.8 78.5 117.7#

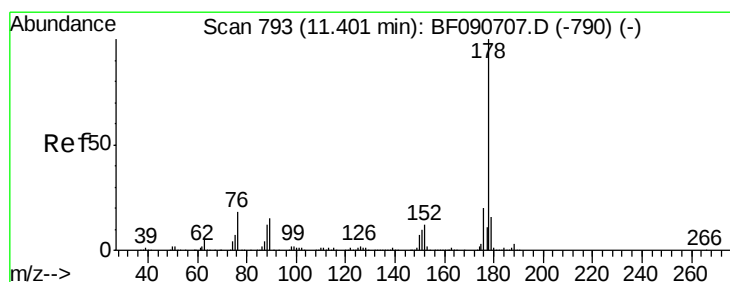
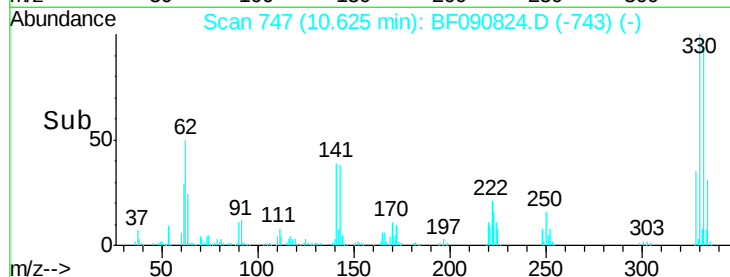
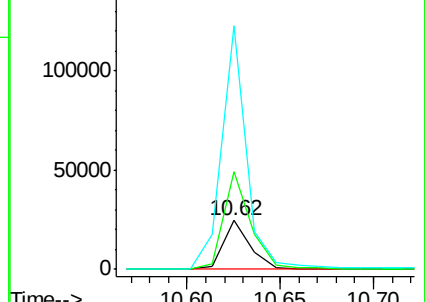
141 500.2 59.0 88.6#



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: 4.44 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF090824.D

Acq: 25 Oct 2016 22:55

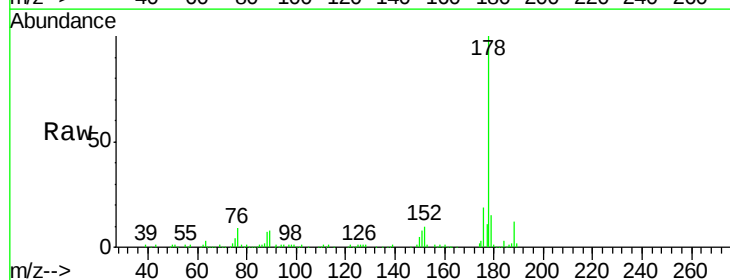
Tgt Ion:178 Resp: 149967

Ion Ratio Lower Upper

178 100

176 19.1 13.8 20.8

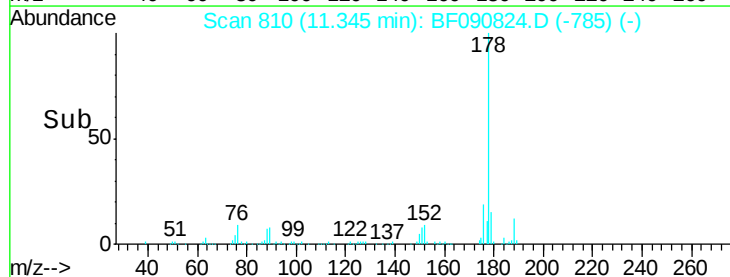
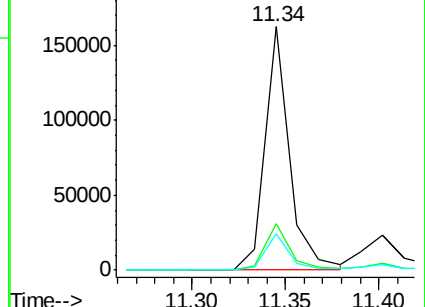
179 14.7 12.2 18.2

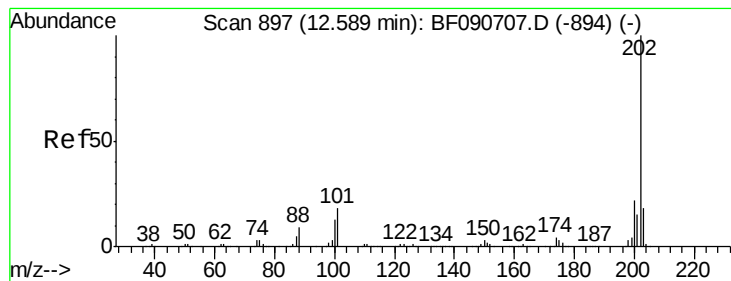


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.43 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: BF090824.D

Acq: 25 Oct 2016 22:55

Instrument :

BNA_F

ClientSampleId :

SIDEWELL-EAST

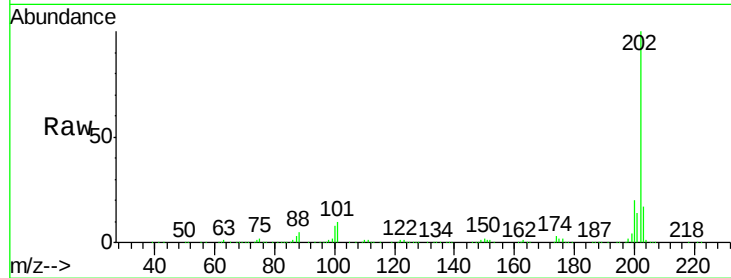
Tgt Ion: 202 Resp: 341051

Ion Ratio Lower Upper

202 100

101 10.1 0.0 38.3

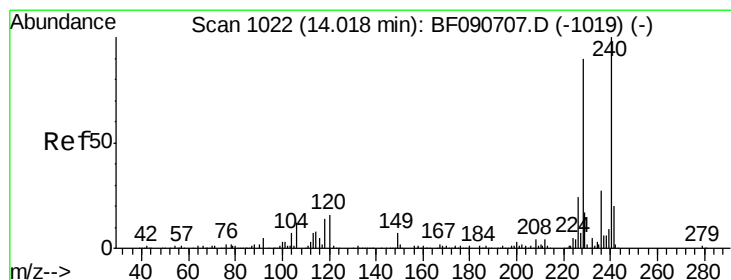
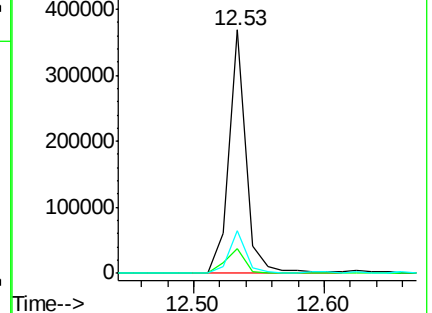
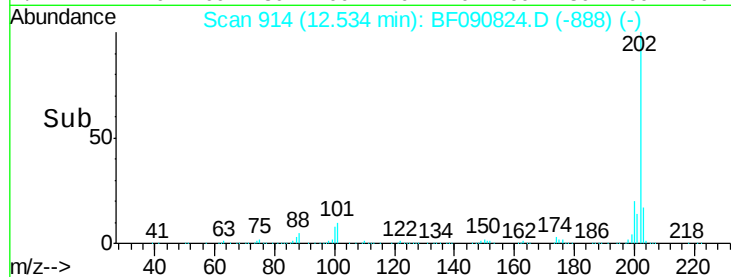
203 17.5 0.0 37.3



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: BF090824.D

Acq: 25 Oct 2016 22:55

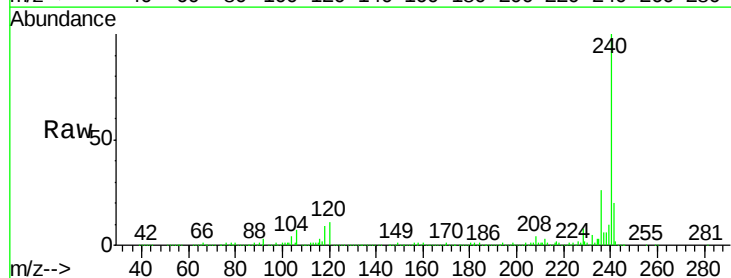
Tgt Ion: 240 Resp: 424601

Ion Ratio Lower Upper

240 100

120 11.1 16.2 24.2#

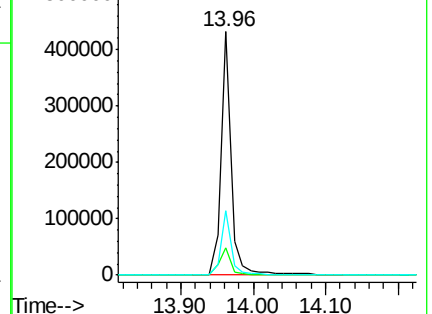
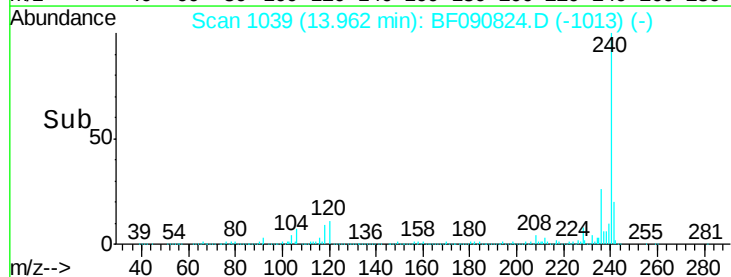
236 26.4 18.4 27.6

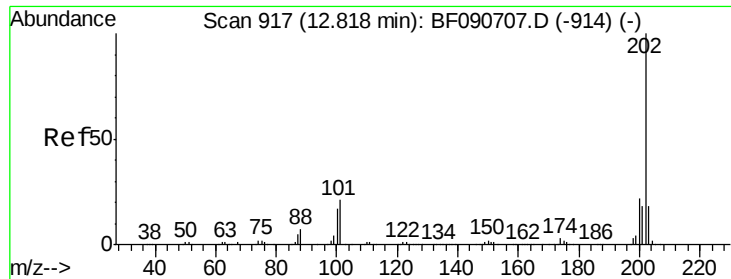


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

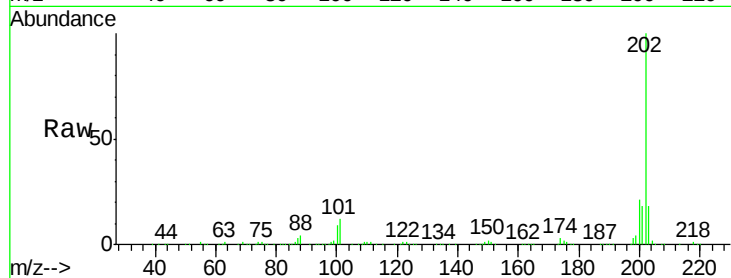




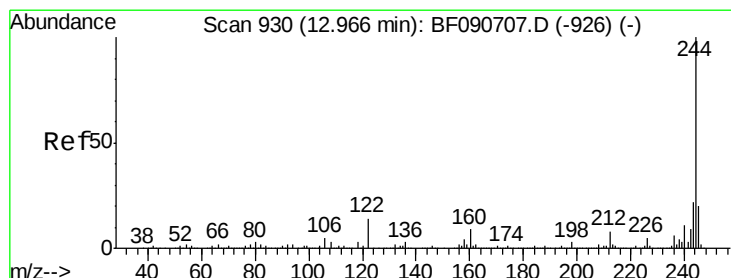
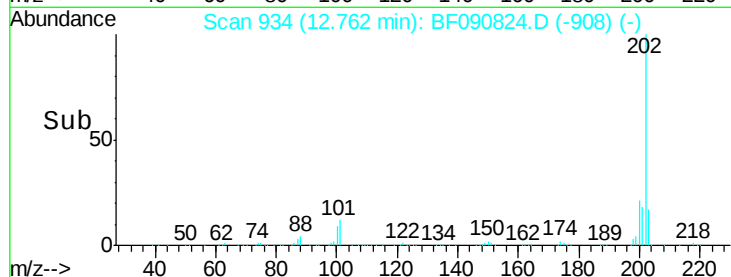
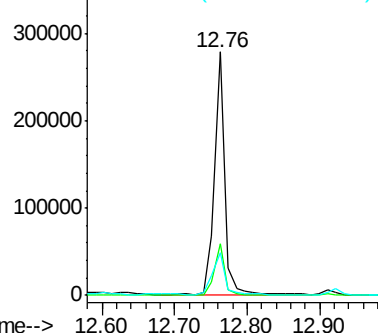
#77
 Pyrene
 Concen: 9.13 ng
 RT: 12.76 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: BF090824.D
 Acq: 25 Oct 2016 22:55

Instrument :
 BNA_F
 ClientSampleId :
 SIDEWELL-EAST

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	15.0	22.4
203	17.7	14.1	21.1

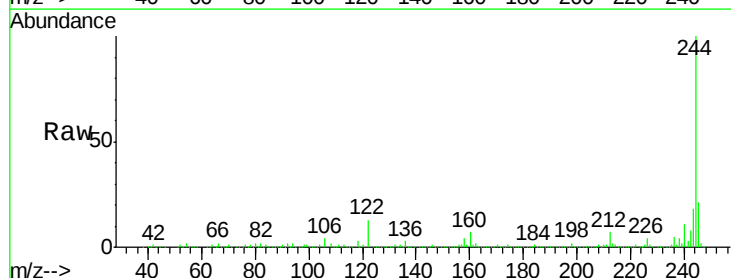


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

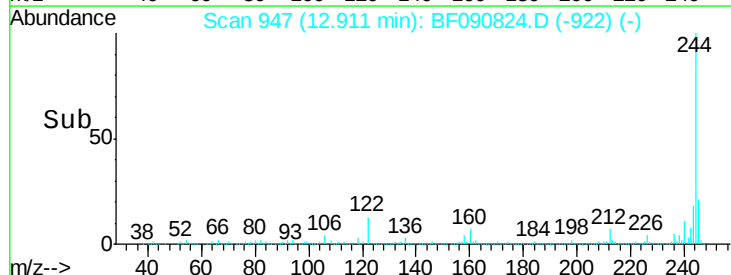
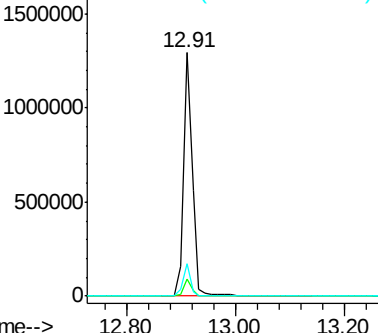


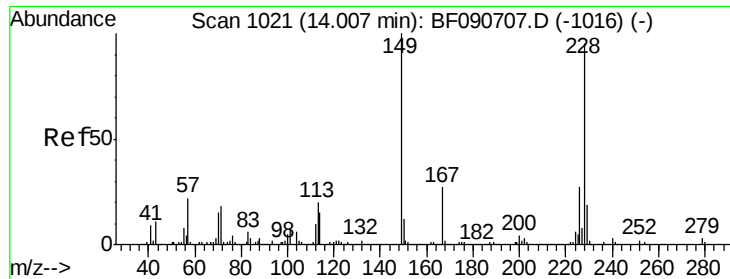
#78
 Terphenyl-d14
 Concen: 78.97 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF090824.D
 Acq: 25 Oct 2016 22:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	4.3	6.5#
122	13.2	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: 5.77 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF090824.D

Acq: 25 Oct 2016 22:55

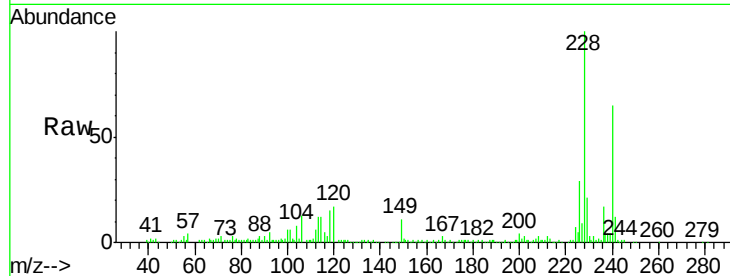
Instrument :

BNA_F

ClientSampleId :

SIDEWELL-EAST

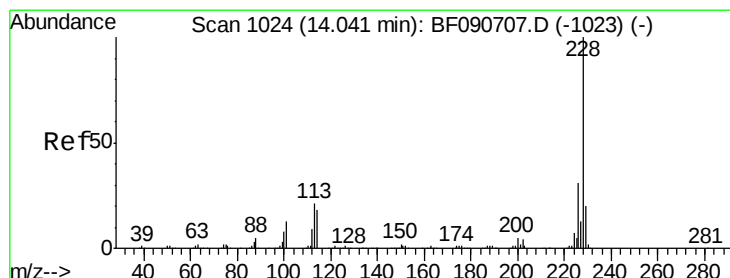
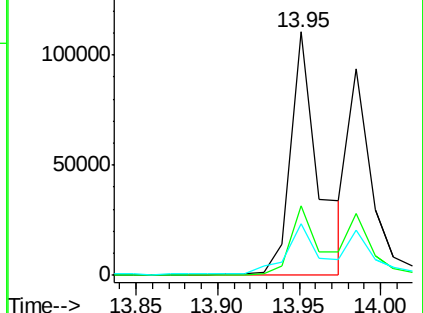
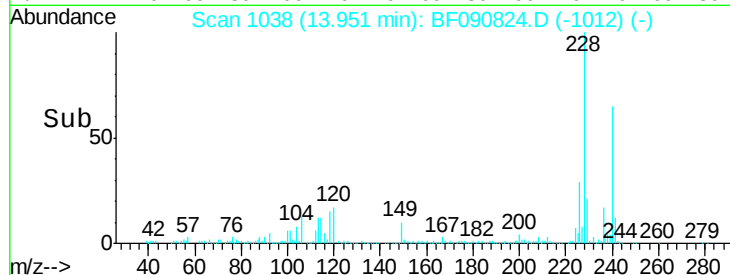
Tgt Ion:	228	Resp:	134094
Ion	Ratio	Lower	Upper
228	100		
226	28.6	20.0	30.0
229	21.2	15.4	23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 5.91 ng

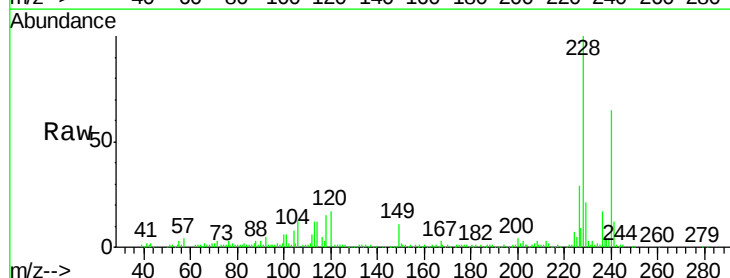
RT: 13.95 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF090824.D

Acq: 25 Oct 2016 22:55

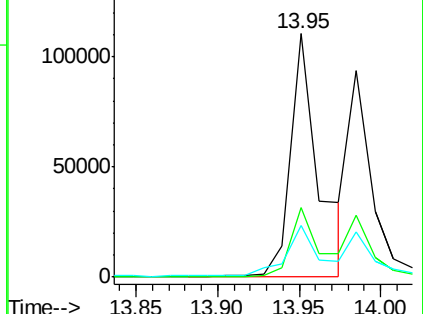
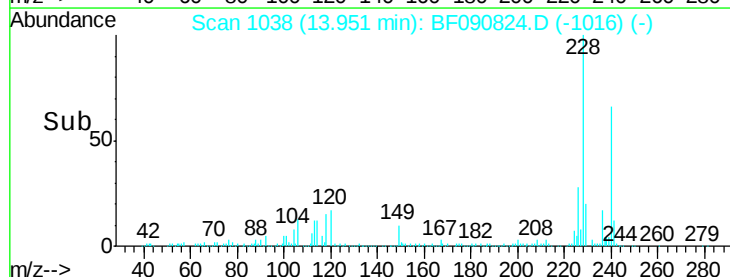
Tgt Ion:	228	Resp:	134094
Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.0	31.4
229	21.2	15.6	23.4

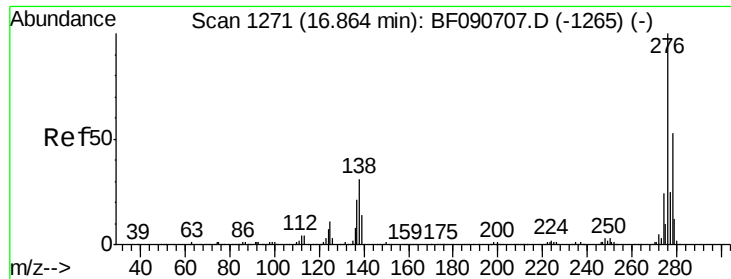


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

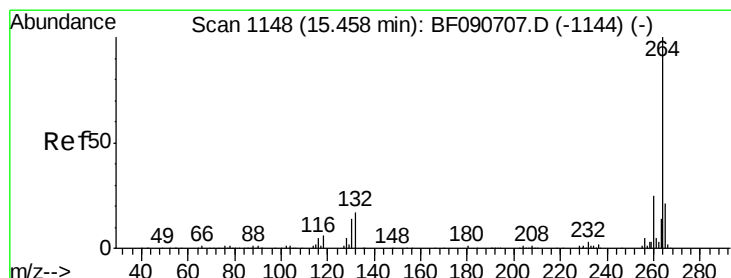
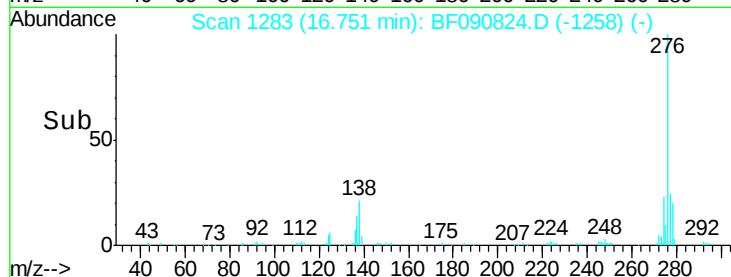
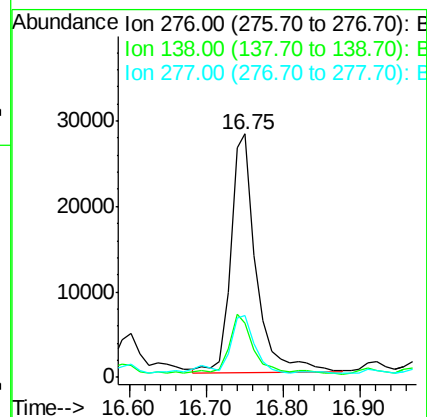
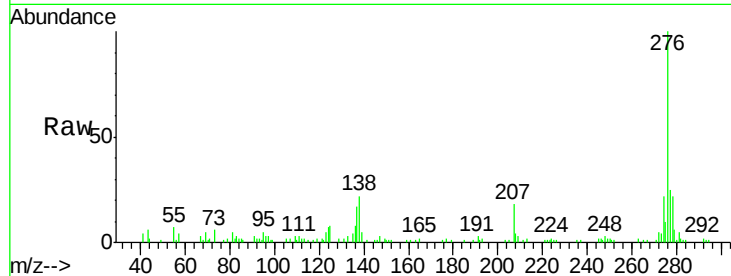




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.31 ng
 RT: 16.75 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF090824.D
 Acq: 25 Oct 2016 22:55

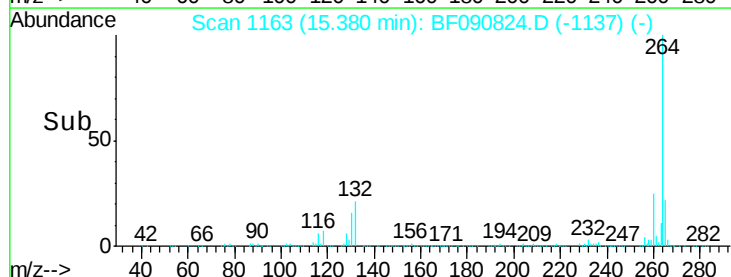
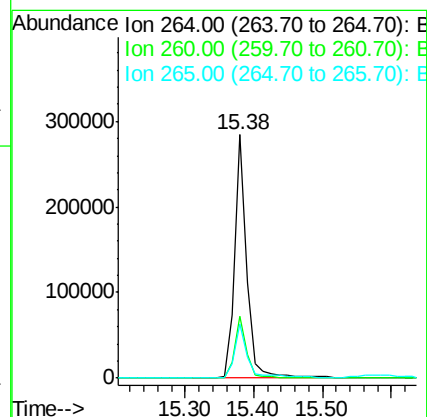
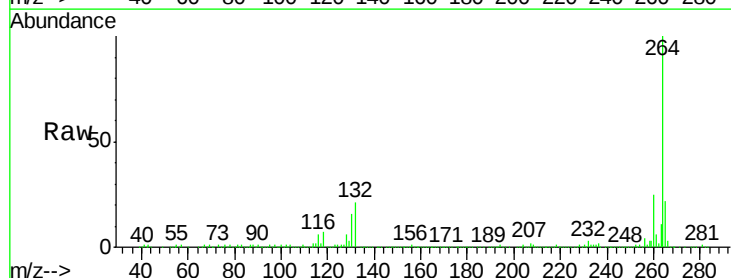
Instrument :
 BNA_F
 ClientSampleId :
 SIDEWELL-EAST

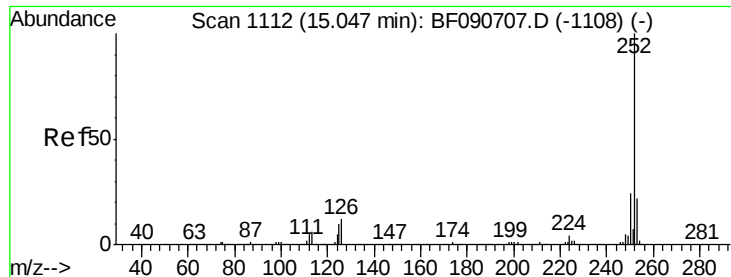
Tgt Ion: 276 Resp: 65486
 Ion Ratio Lower Upper
 276 100
 138 23.9 25.7 38.5#
 277 27.2 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BF090824.D
 Acq: 25 Oct 2016 22:55

Tgt Ion: 264 Resp: 356172
 Ion Ratio Lower Upper
 264 100
 260 25.1 16.7 25.1#
 265 22.2 17.2 25.8

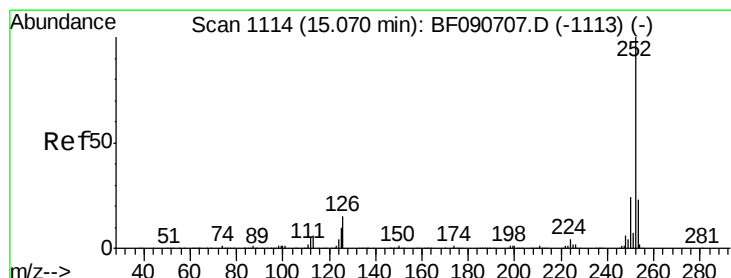
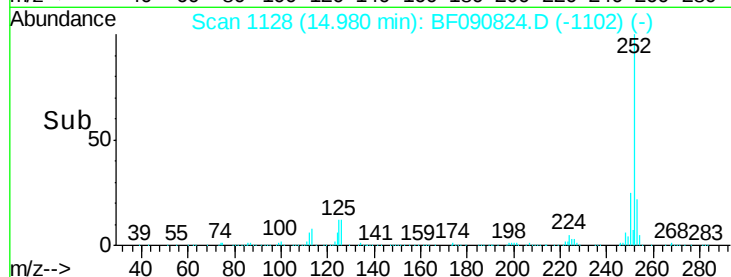
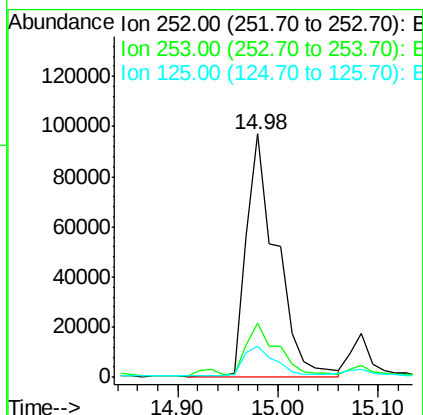
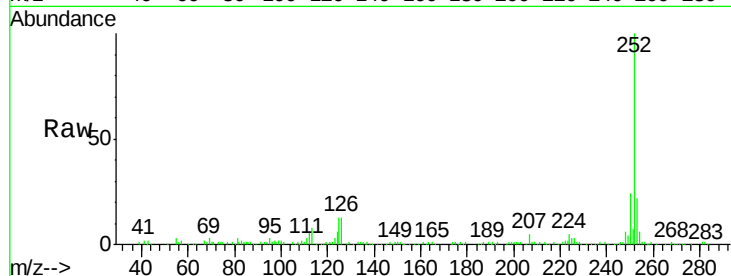




#87
Benzo(b)fluoranthene
Concen: 9.12 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF090824.D
Acq: 25 Oct 2016 22:55

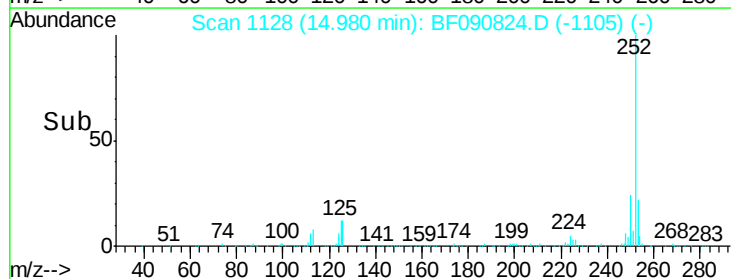
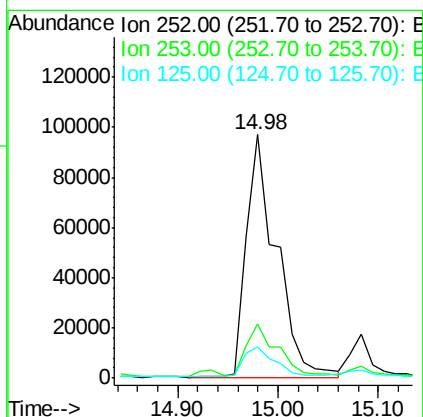
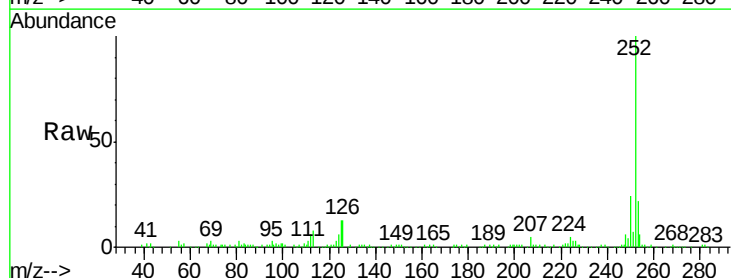
Instrument :
BNA_F
ClientSampleId :
SIDEWELL-EAST

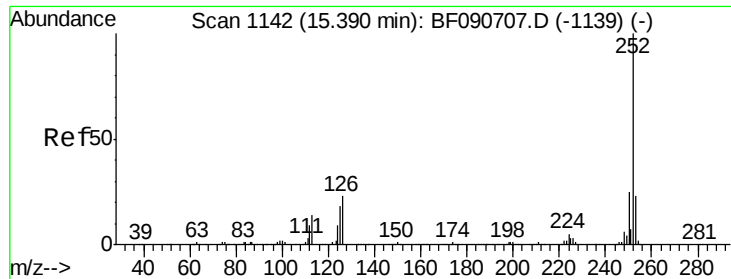
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	12.7	17.1	25.7#



#88
Benzo(k)fluoranthene
Concen: 9.08 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.03 min
Lab File: BF090824.D
Acq: 25 Oct 2016 22:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.4
125	12.7	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 4.76 ng

RT: 15.32 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BF090824.D

Acq: 25 Oct 2016 22:55

Instrument :

BNA_F

ClientSampleId :

SIDEWELL-EAST

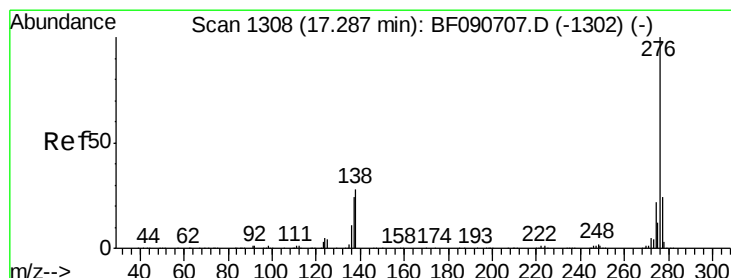
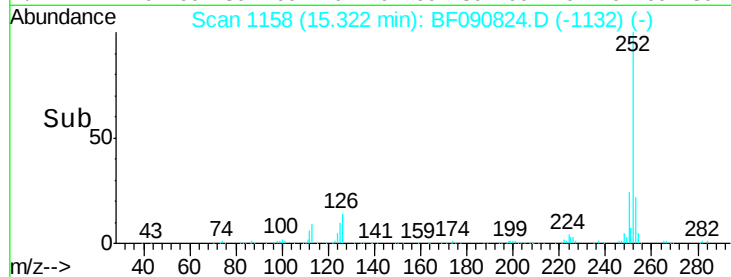
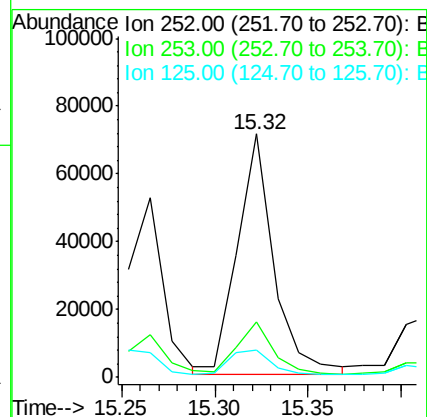
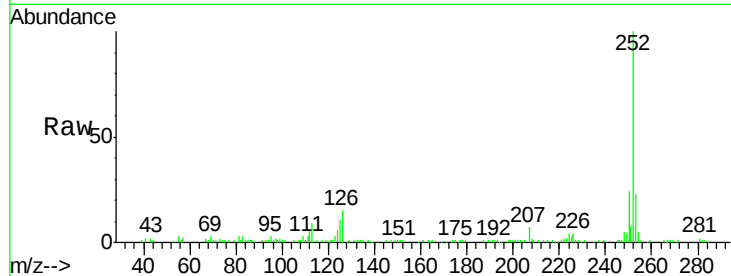
Tgt Ion:252 Resp: 97761

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 11.1 18.0 27.0#



#91

Benzo(g,h,i)perylene

Concen: 3.12 ng

RT: 17.15 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF090824.D

Acq: 25 Oct 2016 22:55

Tgt Ion:276 Resp: 59703

Ion Ratio Lower Upper

276 100

277 24.1 17.8 26.6

138 26.4 34.6 51.8#

