

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
 Data File : BF091060.D
 Acq On : 7 Nov 2016 17:12
 Operator : UM/SJ
 Sample : H5539-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF016-01

Quant Time: Nov 07 23:55:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	186129	20.00	ng	-0.03
21) Naphthalene-d8	7.95	136	696833	20.00	ng	-0.05
38) Acenaphthene-d10	9.71	164	399933	20.00	ng	-0.03
63) Phenanthrene-d10	11.18	188	605200	20.00	ng	-0.05
75) Chrysene-d12	13.83	240	425328	20.00	ng	-0.03
86) Perylene-d12	15.20	264	369450	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1437886	127.59	ng	-0.02
7) Phenol-d6	6.33	99	1979328	129.39	ng	-0.02
23) Nitrobenzene-d5	7.24	82	1263828	98.94	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	468637	129.61	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	1775132	76.42	ng	-0.03
78) Terphenyl-d14	12.79	244	1896151	111.25	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.44	77	36631	4.31	ng	Qvalue 90
10) Phenol	6.34	94	155448	9.18	ng	# 55
19) n-Nitroso-di-n-propylamine	7.24	70	174516	16.46	ng	# 77
25) Isophorone	7.24	82	1234539	50.15	ng	# 67
32) Benzoic acid	7.65	122	212	5.10	ng	# 1
49) Dimethylphthalate	9.44	163	351788	13.41	ng	99
55) 4-Nitrophenol	9.92	139	1980	6.15	ng	# 14
56) 2,4-Dinitrotoluene	9.71	165	51276	7.17	ng	# 26
66) 4-Bromophenyl-phenylether	10.50	248	30274	4.81	ng	# 1
70) Phenanthrene	11.21	178	96791	3.01	ng	99
74) Fluoranthene	12.40	202	179312	5.37	ng	95
77) Pyrene	12.63	202	139730	5.02	ng	98
80) Benzo(a)anthracene	13.81	228	74323	3.08	ng	98
82) Chrysene	13.81	228	74323	3.12	ng	96
87) Benzo(b)fluoranthene	14.82	252	91702	3.66	ng	# 93
88) Benzo(k)fluoranthene	14.82	252	91702	4.17	ng	97

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

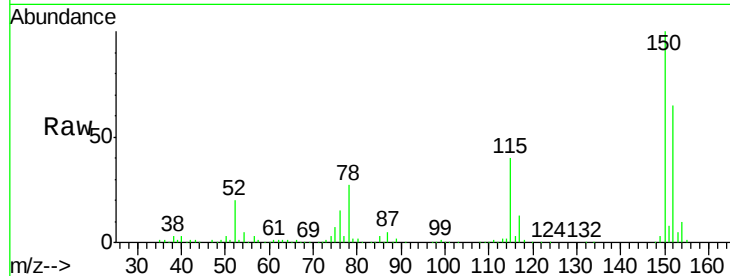


#1

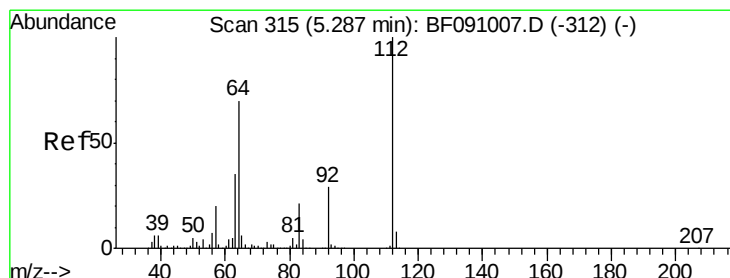
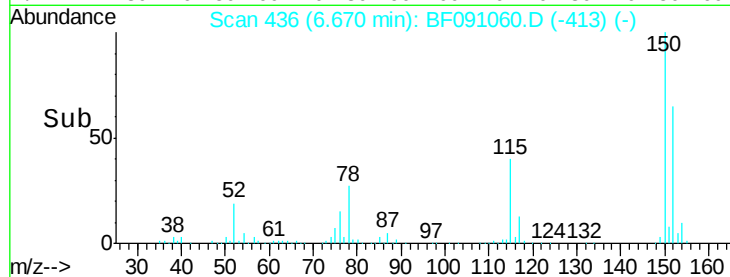
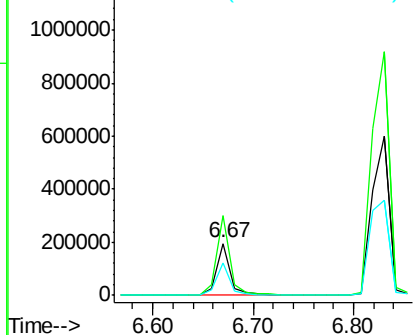
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 436
Delta R.T. -0.03 min
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BNA_F
ClientSampleId :
V001-BF016-01

Tgt Ion:152 Resp: 186129
Ion Ratio Lower Upper
152 100
150 153.4 126.8 190.2
115 61.9 53.3 79.9



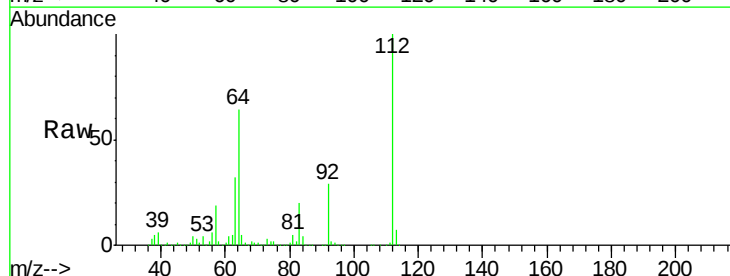
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



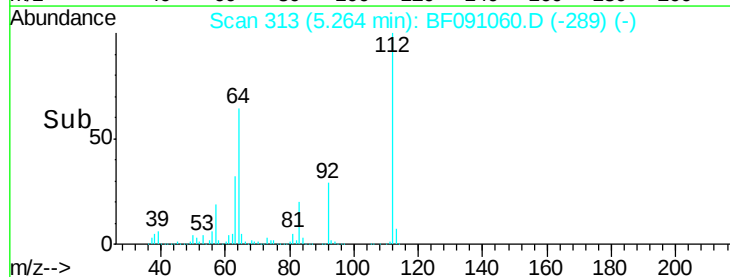
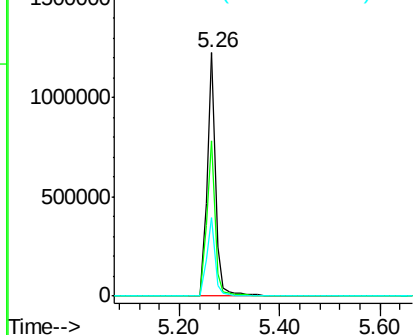
#5

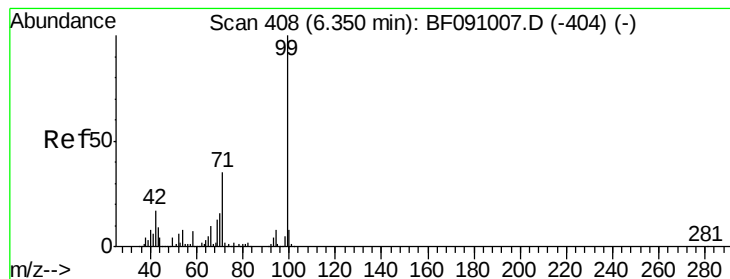
2-Fluorophenol
Concen: 127.59 ng
RT: 5.26 min Scan# 313
Delta R.T. -0.02 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:112 Resp: 1437886
Ion Ratio Lower Upper
112 100
64 63.6 55.8 83.6
63 32.1 28.0 42.0



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: 129.39 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091060.D

Acq: 7 Nov 2016 17:12

Instrument :

BNA_F

ClientSampleId :

V001-BF016-01

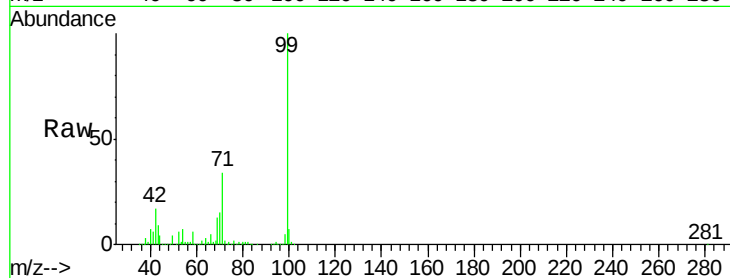
Tgt Ion: 99 Resp: 1979328

Ion Ratio Lower Upper

99 100

42 16.8 13.9 20.9

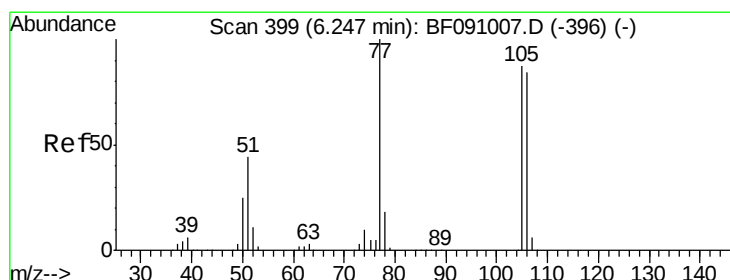
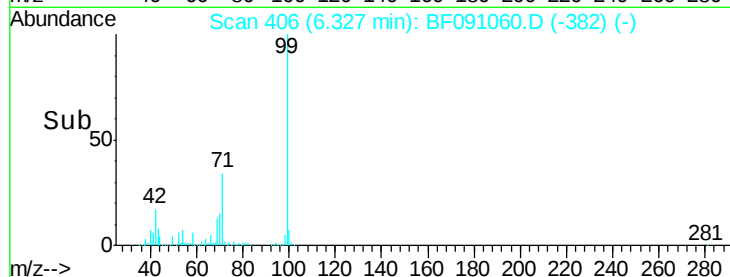
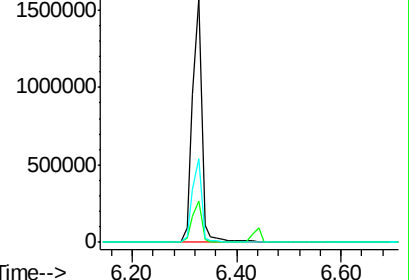
71 34.3 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.31 ng

RT: 6.44 min Scan# 416

Delta R.T. 0.19 min

Lab File: BF091060.D

Acq: 7 Nov 2016 17:12

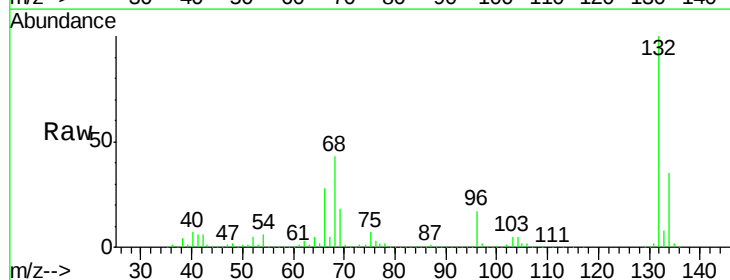
Tgt Ion: 77 Resp: 36631

Ion Ratio Lower Upper

77 100

105 80.3 66.8 106.8

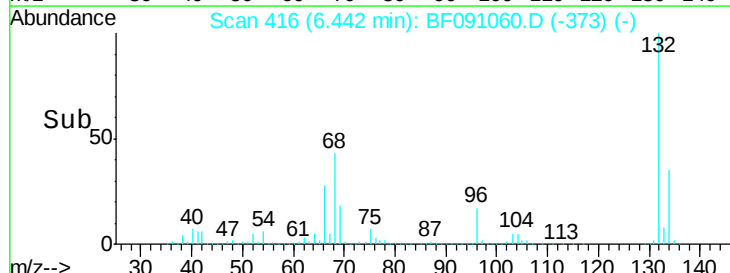
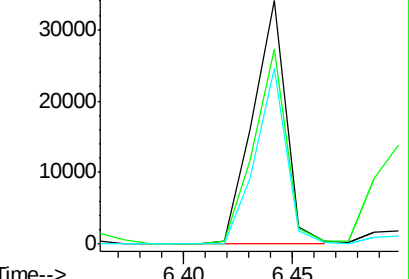
106 72.4 64.0 104.0

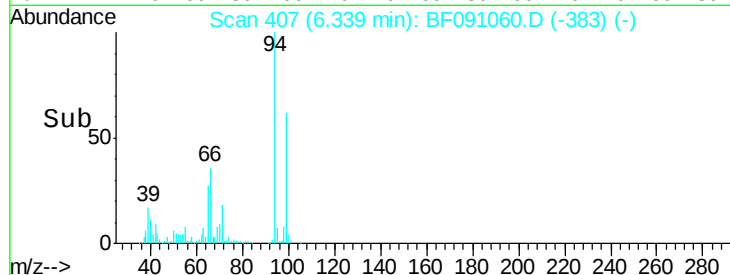
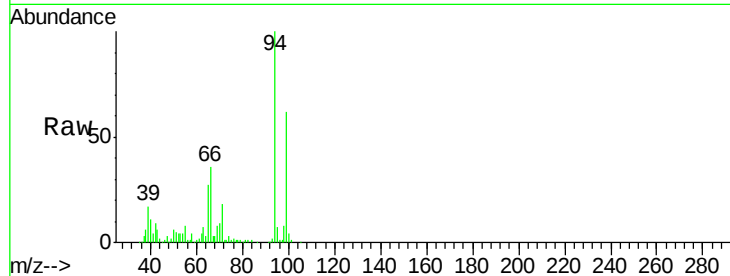
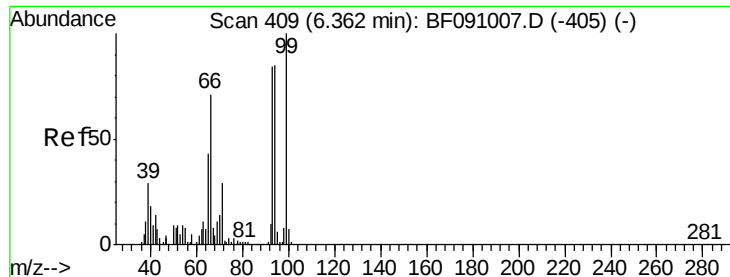


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 9.18 ng

RT: 6.34 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF091060.D

Acq: 7 Nov 2016 17:12

Instrument :

BNA_F

ClientSampleId :

V001-BF016-01

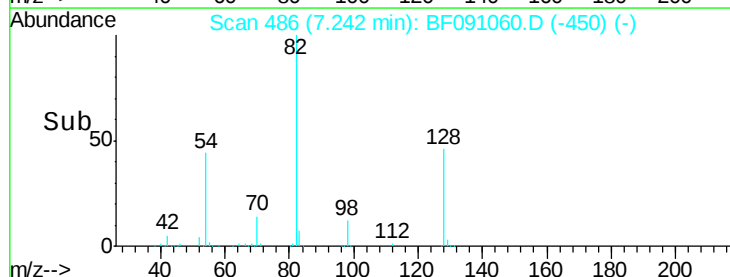
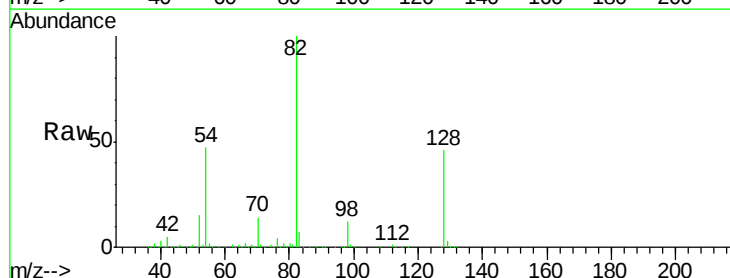
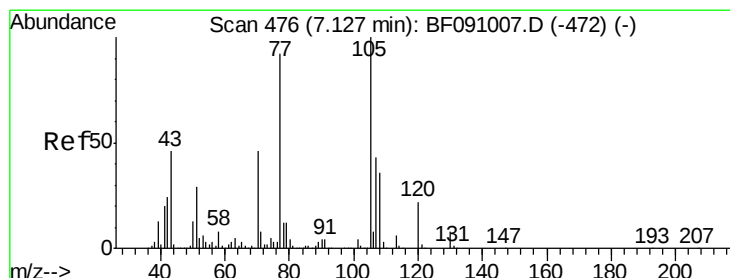
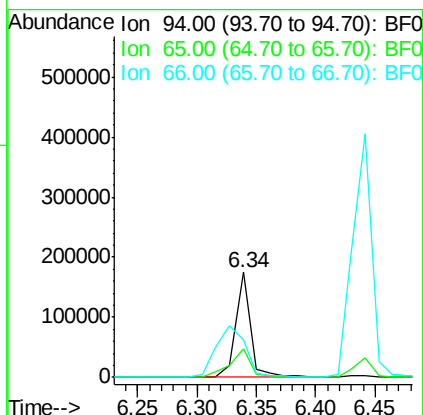
Tgt Ion: 94 Resp: 155448

Ion Ratio Lower Upper

94 100

65 26.8 30.4 70.4#

66 35.9 62.9 102.9#



#19

n-Nitroso-di-n-propylamine

Concen: 16.46 ng

RT: 7.24 min Scan# 486

Delta R.T. 0.11 min

Lab File: BF091060.D

Acq: 7 Nov 2016 17:12

Tgt Ion: 70 Resp: 174516

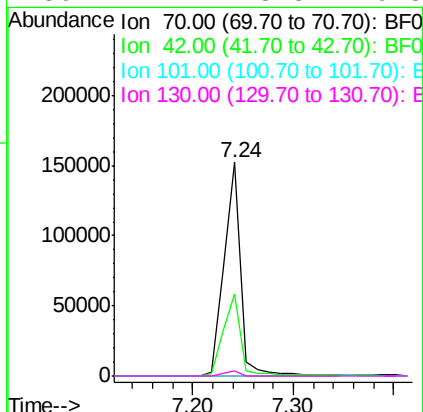
Ion Ratio Lower Upper

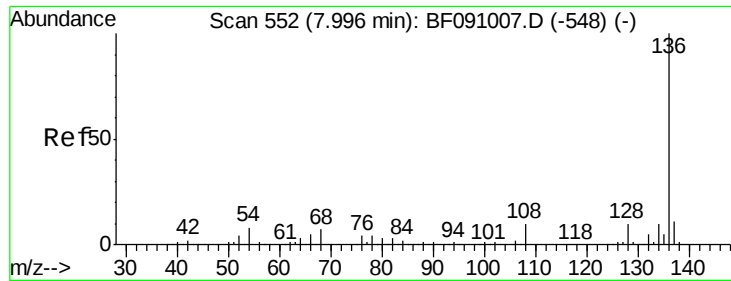
70 100

42 38.2 41.7 62.5#

101 0.0 6.7 10.1#

130 2.2 13.8 20.8#

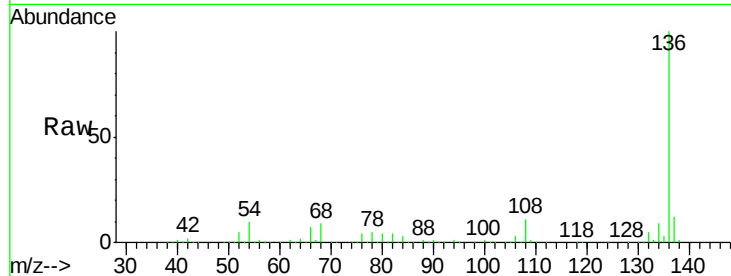




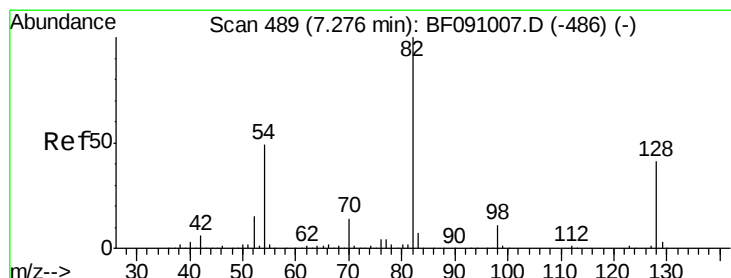
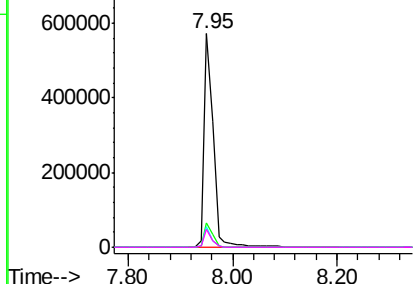
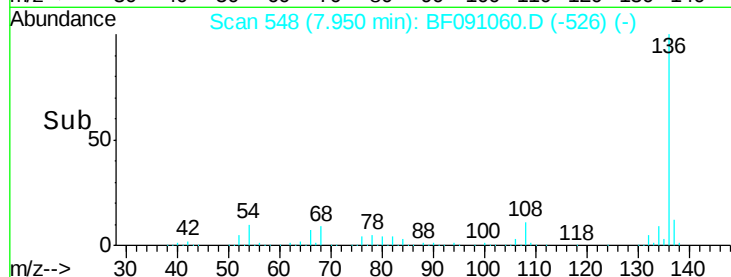
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Instrument :
BNA_F
ClientSampleId :
V001-BF016-01

Tgt Ion:136 Resp: 696833
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 9.8 6.2 9.2#
68 8.6 5.5 8.3#

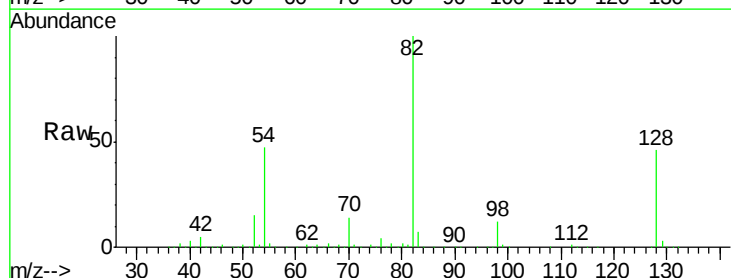


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

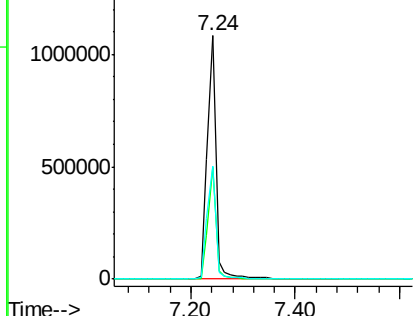
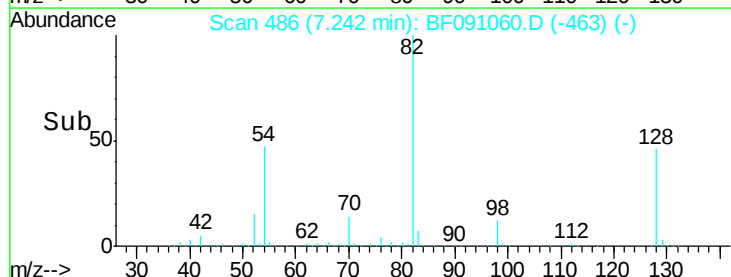


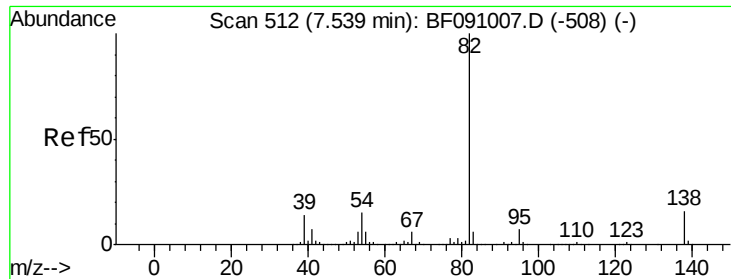
#23
Nitrobenzene-d5
Concen: 98.94 ng
RT: 7.24 min Scan# 486
Delta R.T. -0.03 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion: 82 Resp: 1263828
Ion Ratio Lower Upper
82 100
128 45.9 32.4 48.6
54 46.6 39.2 58.8



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





#25

Isophorone

Concen: 50.15 ng

RT: 7.24 min Scan# 486

Delta R.T. -0.30 min

Lab File: BF091060.D

Acq: 7 Nov 2016 17:12

Instrument :

BNA_F

ClientSampleId :

V001-BF016-01

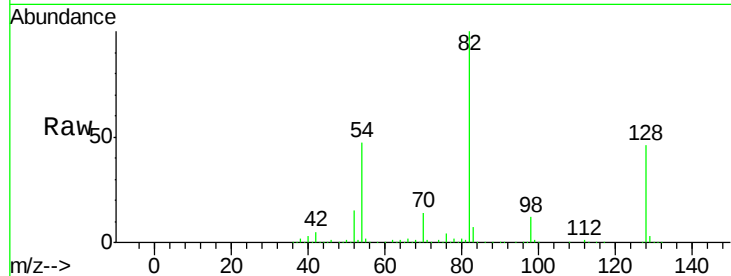
Tgt Ion: 82 Resp: 1234539

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

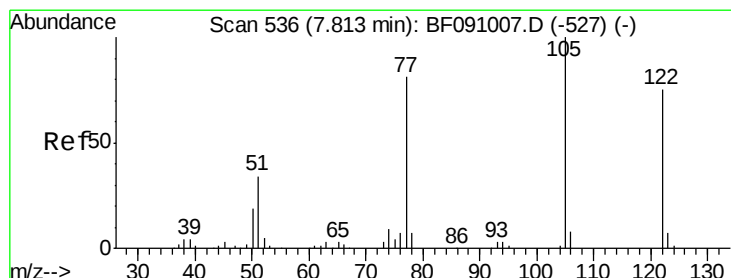
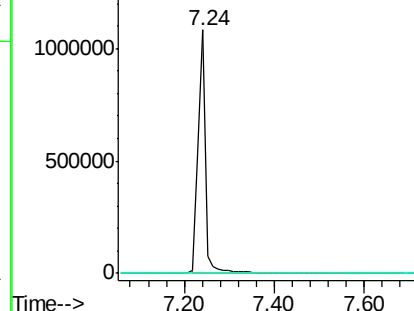
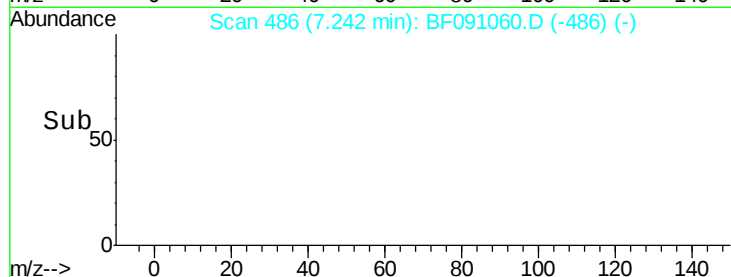
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 5.10 ng

RT: 7.65 min Scan# 522

Delta R.T. -0.16 min

Lab File: BF091060.D

Acq: 7 Nov 2016 17:12

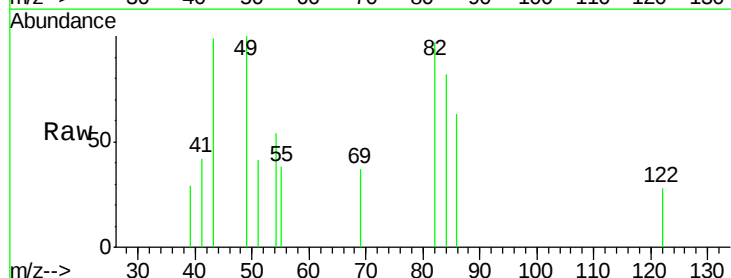
Tgt Ion: 122 Resp: 212

Ion Ratio Lower Upper

122 100

105 0.0 105.9 145.9#

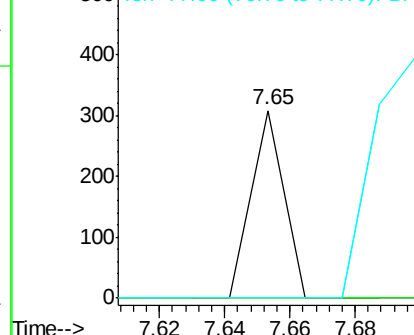
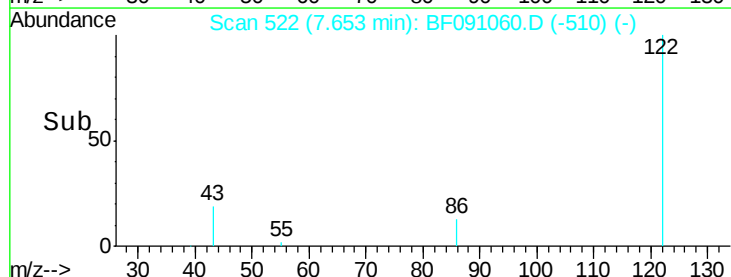
77 0.0 84.0 124.0#

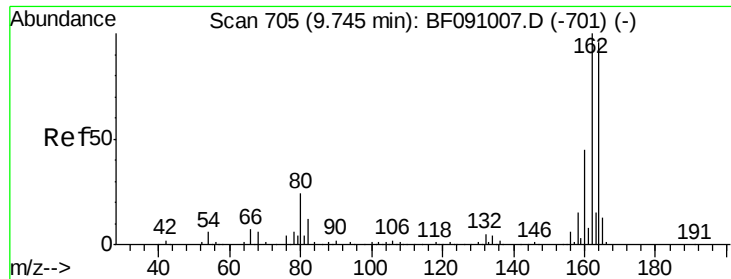


Abundance Ion 122.00 (121.70 to 122.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

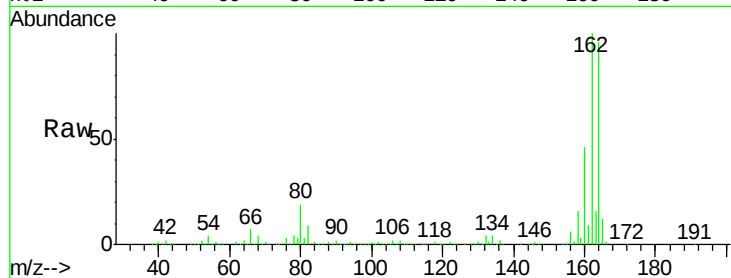




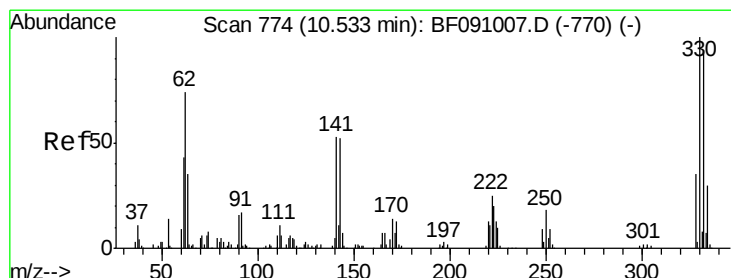
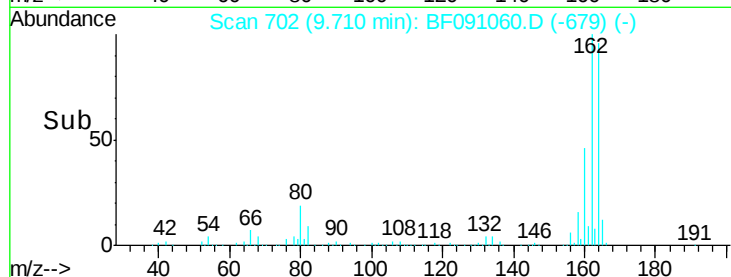
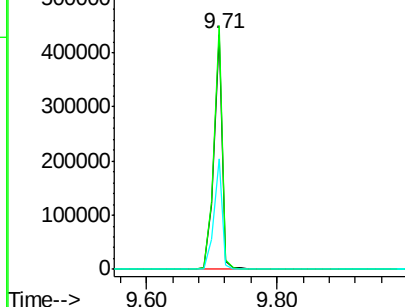
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF091060.D
 Acq: 7 Nov 2016 17:12

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF016-01

Tgt Ion:164 Resp: 399933
 Ion Ratio Lower Upper
 164 100
 162 103.7 83.6 125.4
 160 47.3 37.9 56.9

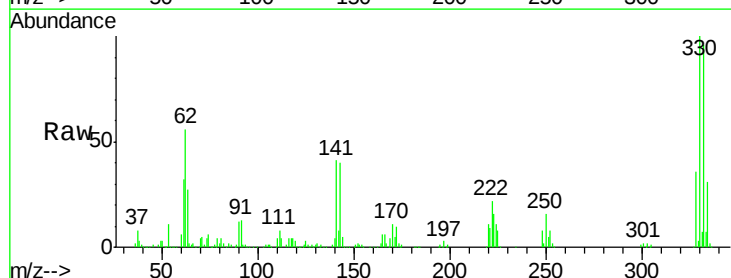


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

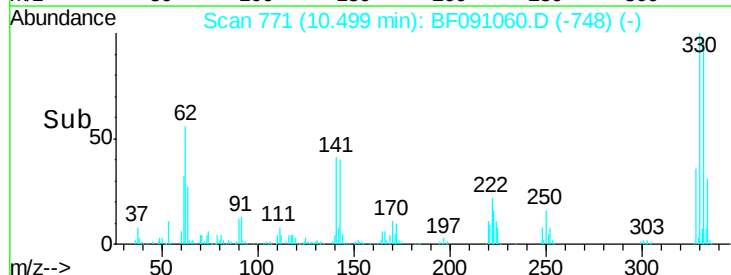
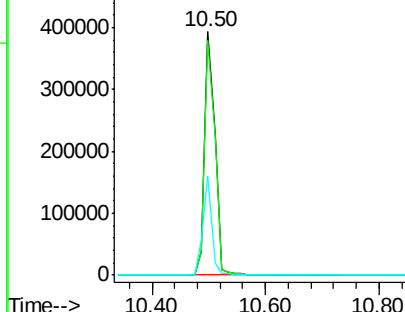


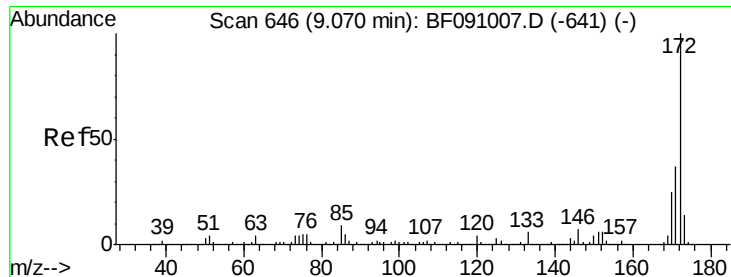
#41
 2,4,6-Tribromophenol
 Concen: 129.61 ng
 RT: 10.50 min Scan# 771
 Delta R.T. -0.03 min
 Lab File: BF091060.D
 Acq: 7 Nov 2016 17:12

Tgt Ion:330 Resp: 468637
 Ion Ratio Lower Upper
 330 100
 332 97.1 75.9 113.9
 141 36.0 36.1 54.1#



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

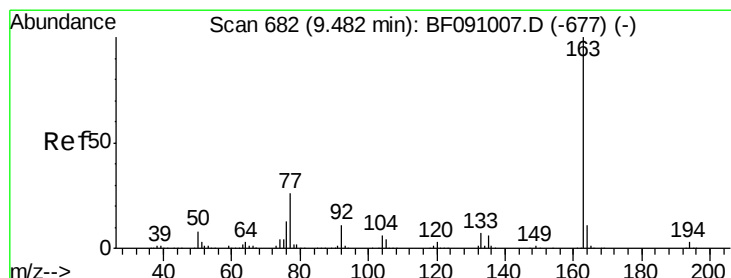
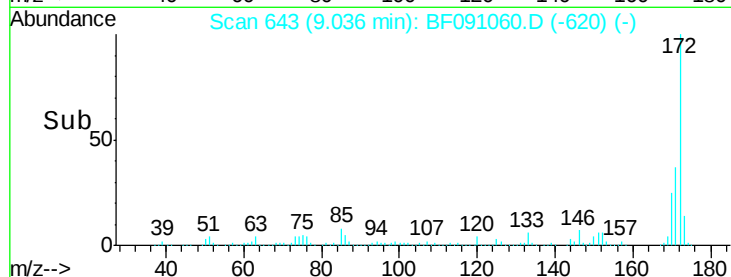
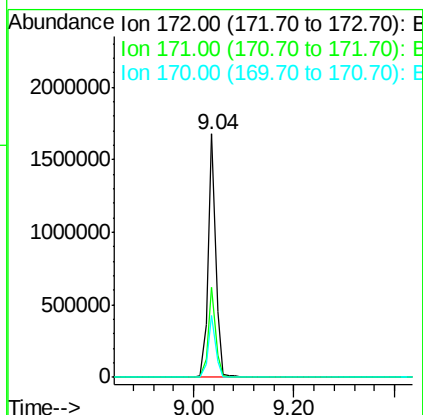
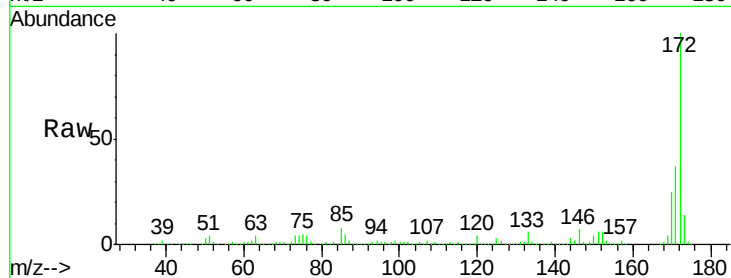




#44
 2-Fluorobiphenyl
 Concen: 76.42 ng
 RT: 9.04 min Scan# 643
 Delta R.T. -0.03 min
 Lab File: BF091060.D
 Acq: 7 Nov 2016 17:12

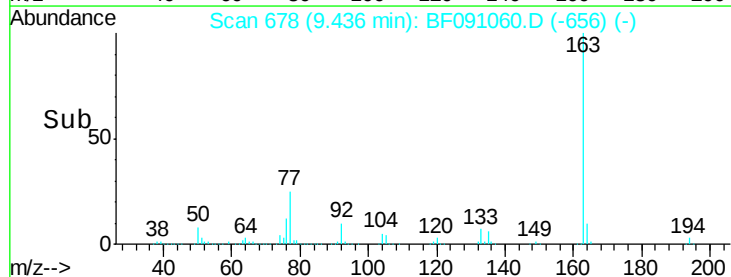
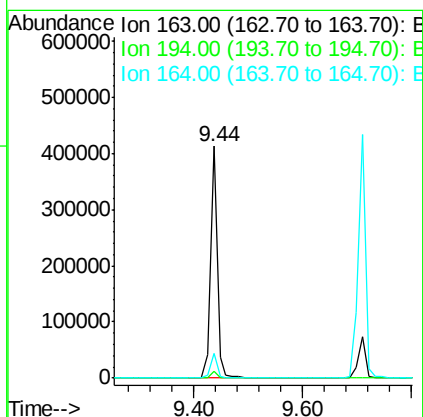
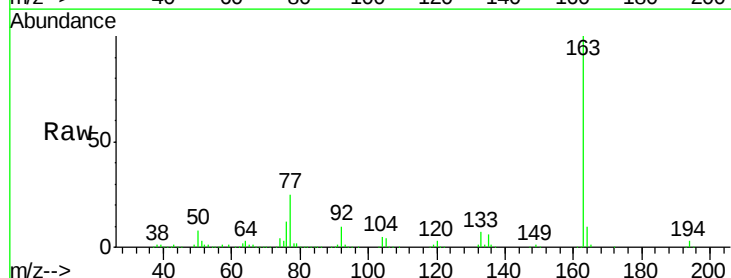
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF016-01

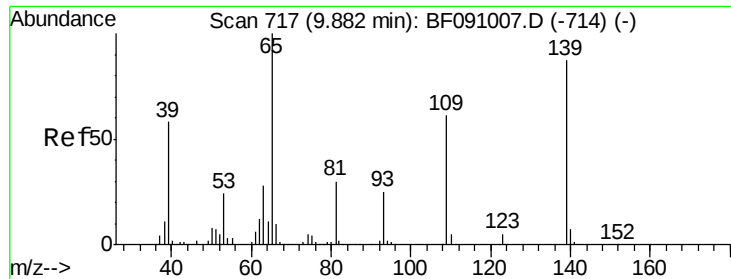
Tgt Ion:172 Resp: 1775132
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.8 44.6
 170 25.3 20.3 30.5



#49
 Dimethylphthalate
 Concen: 13.41 ng
 RT: 9.44 min Scan# 678
 Delta R.T. -0.05 min
 Lab File: BF091060.D
 Acq: 7 Nov 2016 17:12

Tgt Ion:163 Resp: 351788
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 10.5 8.7 13.1





#55

4-Nitrophenol

Concen: 6.15 ng

RT: 9.92 min Scan# 720

Delta R.T. 0.04 min

Lab File: BF091060.D

Acq: 7 Nov 2016 17:12

Instrument :

BNA_F

ClientSampleId :

V001-BF016-01

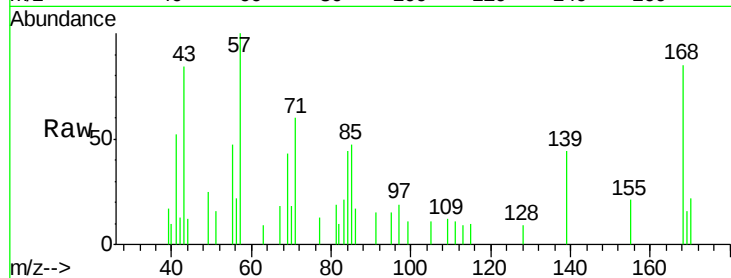
Tgt Ion:139 Resp: 1980

Ion Ratio Lower Upper

139 100

109 28.5 50.5 90.5#

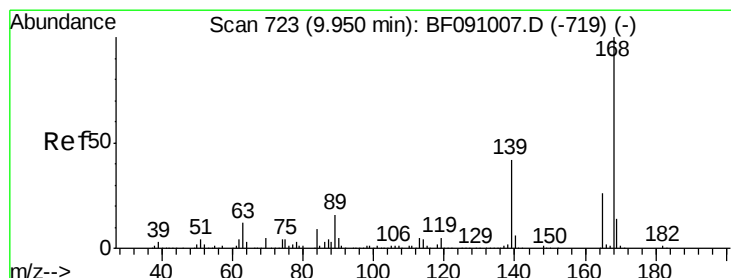
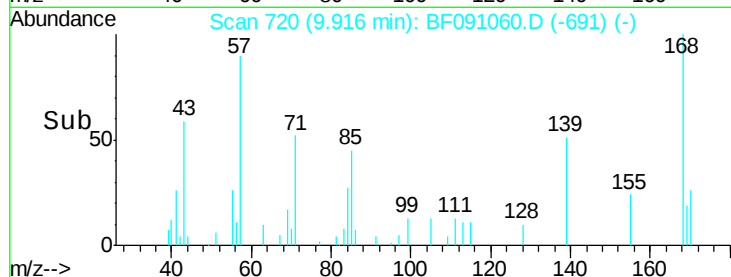
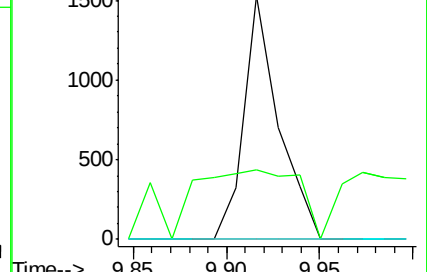
65 0.0 97.1 137.1#



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



#56

2,4-Dinitrotoluene

Concen: 7.17 ng

RT: 9.71 min Scan# 702

Delta R.T. -0.24 min

Lab File: BF091060.D

Acq: 7 Nov 2016 17:12

Tgt Ion:165 Resp: 51276

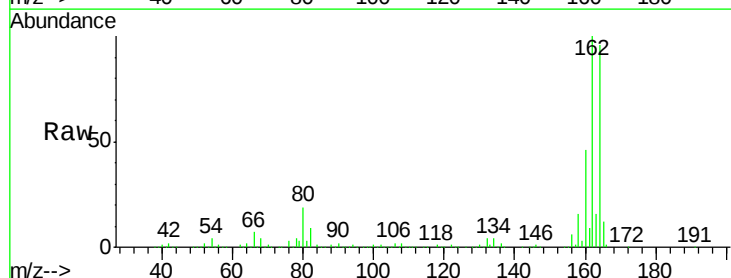
Ion Ratio Lower Upper

165 100

63 0.7 38.7 58.1#

89 1.0 50.6 76.0#

182 0.0 1.8 2.8#

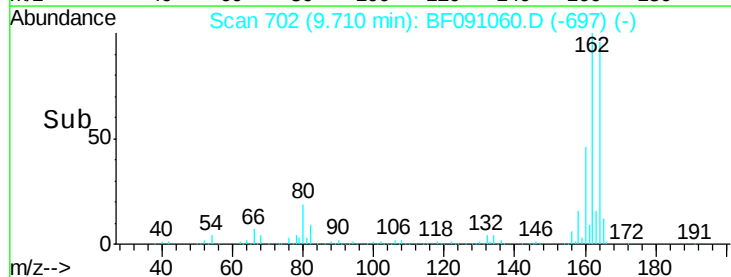
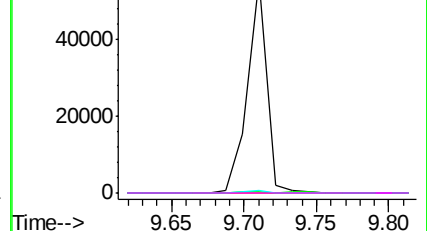


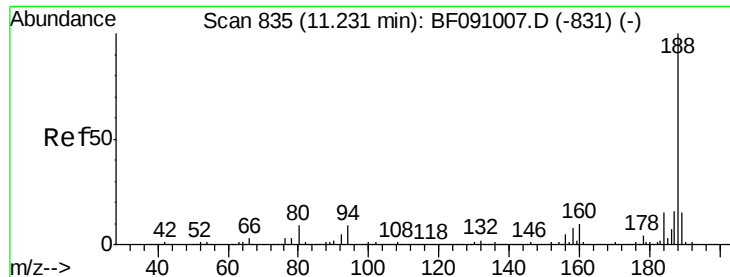
Abundance Ion 165.00 (164.70 to 165.70): E

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

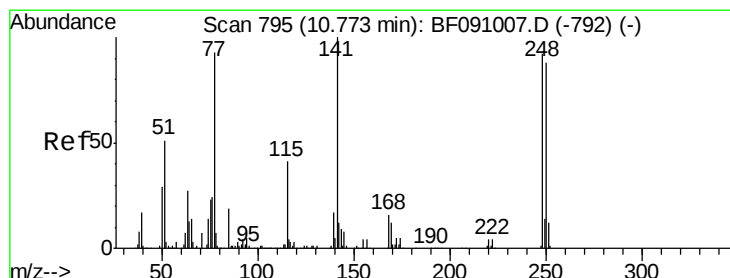
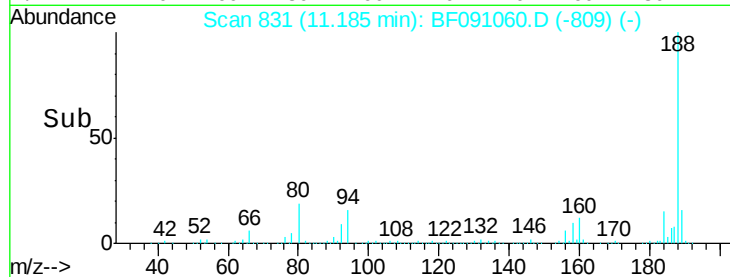
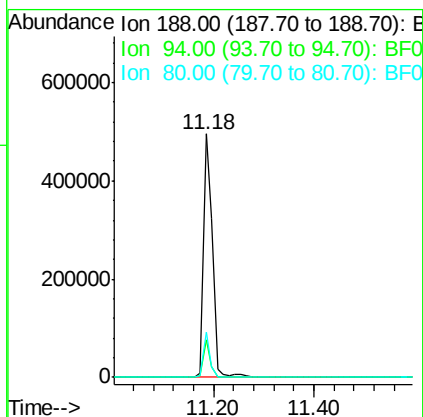
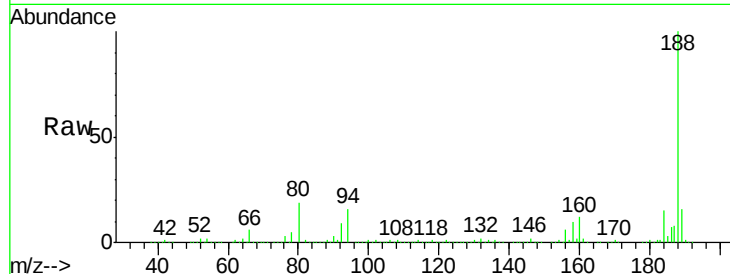




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 831
Delta R.T. -0.05 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

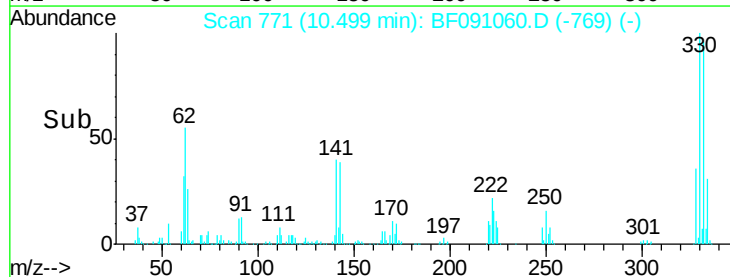
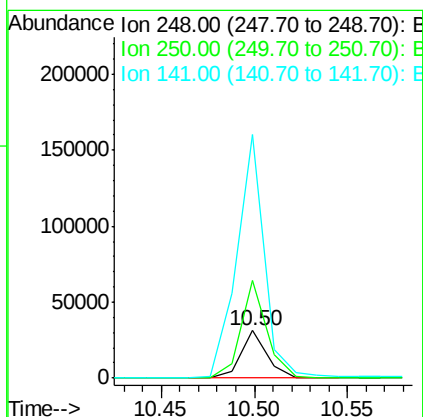
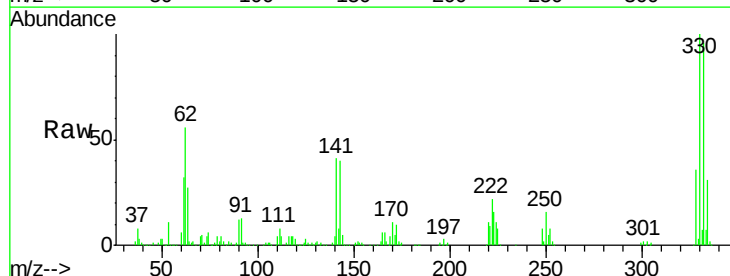
Instrument :
BNA_F
ClientSampleId :
V001-BF016-01

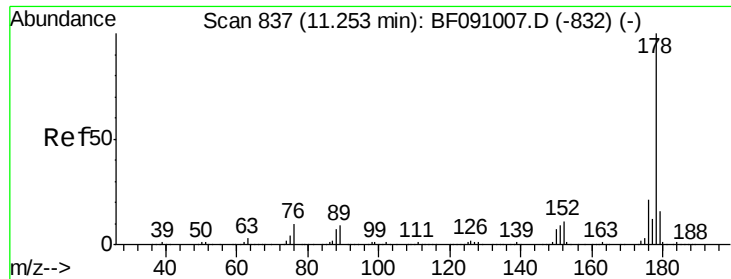
Tgt Ion:188 Resp: 605200
Ion Ratio Lower Upper
188 100
94 15.7 7.0 10.4#
80 18.5 7.5 11.3#



#66
4-Bromophenyl-phenylether
Concen: 4.81 ng
RT: 10.50 min Scan# 771
Delta R.T. -0.27 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:248 Resp: 30274
Ion Ratio Lower Upper
248 100
250 205.9 76.3 114.5#
141 515.3 86.8 130.2#

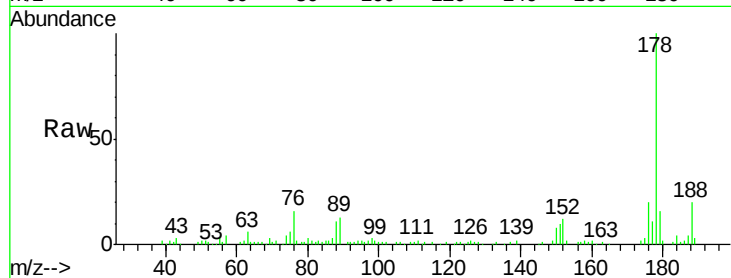




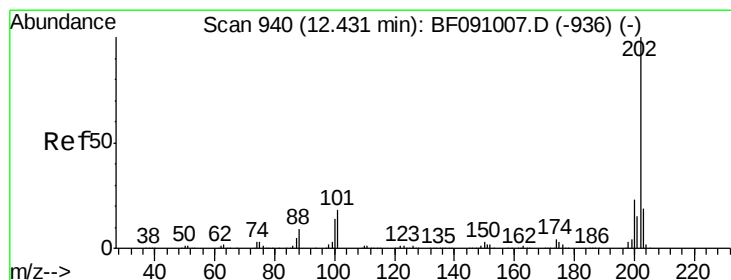
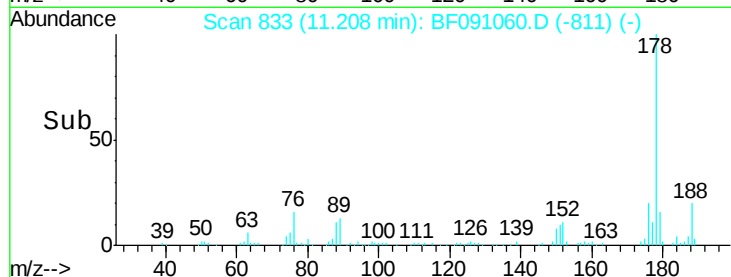
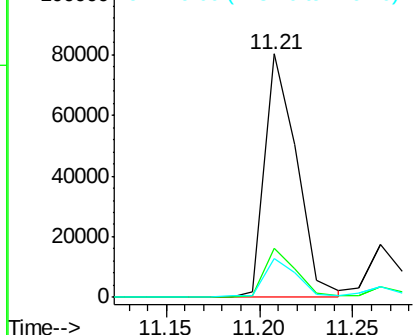
#70
Phenanthrene
Concen: 3.01 ng
RT: 11.21 min Scan# 833
Delta R.T. -0.05 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Instrument :
BNA_F
ClientSampleId :
V001-BF016-01

Tgt Ion:178 Resp: 96791
Ion Ratio Lower Upper
178 100
176 20.0 16.6 25.0
179 16.1 12.9 19.3

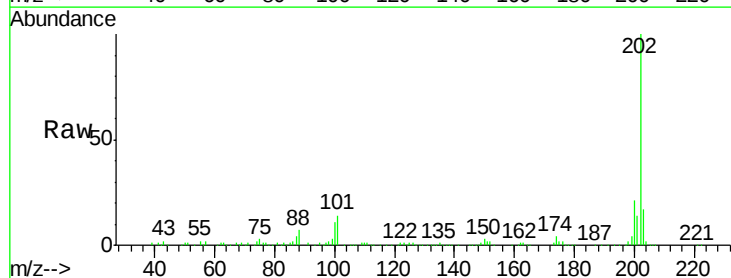


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

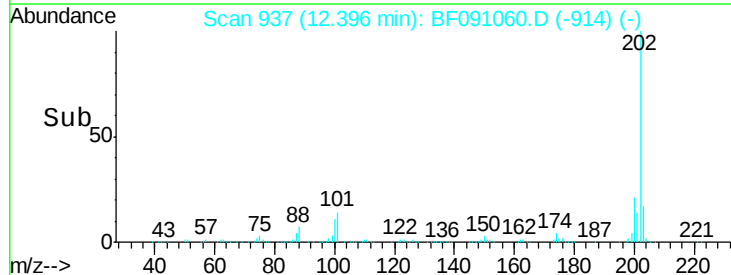
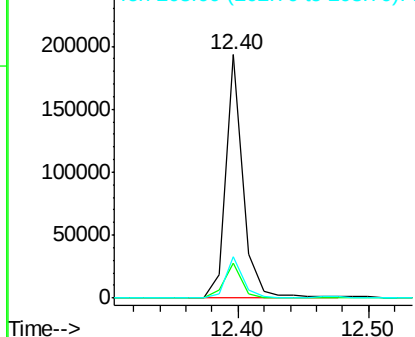


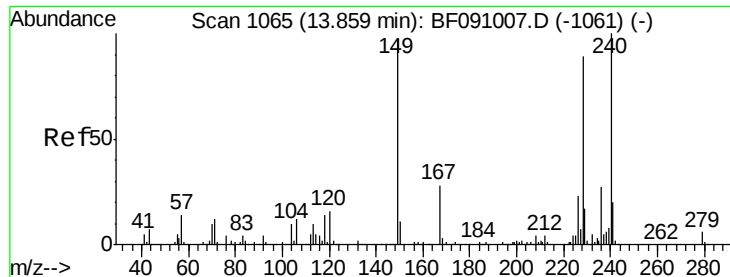
#74
Fluoranthene
Concen: 5.37 ng
RT: 12.40 min Scan# 937
Delta R.T. -0.03 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:202 Resp: 179312
Ion Ratio Lower Upper
202 100
101 14.5 0.0 37.6
203 17.1 0.0 38.6



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: 13.83 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF091060.D

Acq: 7 Nov 2016 17:12

Instrument :

BNA_F

ClientSampleId :

V001-BF016-01

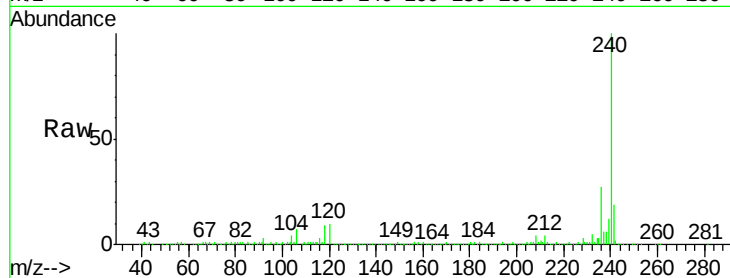
Tgt Ion:240 Resp: 425328

Ion Ratio Lower Upper

240 100

120 9.9 12.9 19.3#

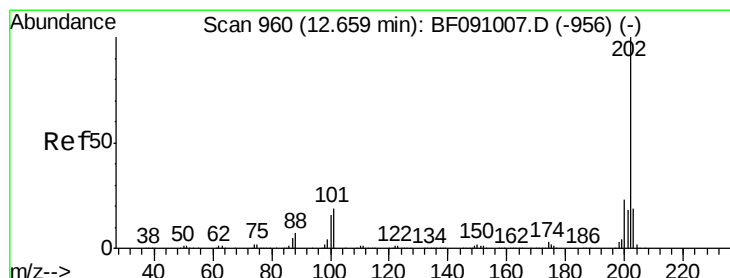
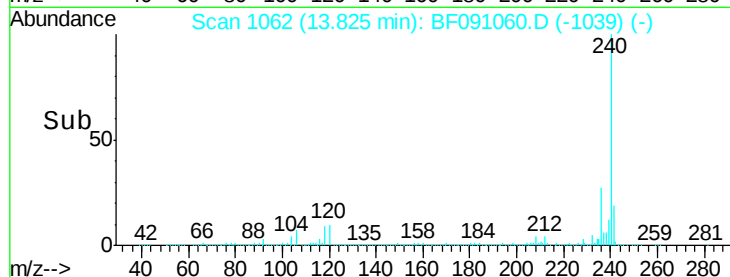
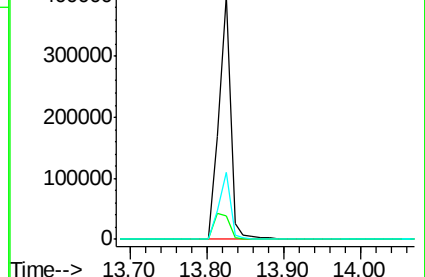
236 27.4 21.9 32.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.02 ng

RT: 12.63 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF091060.D

Acq: 7 Nov 2016 17:12

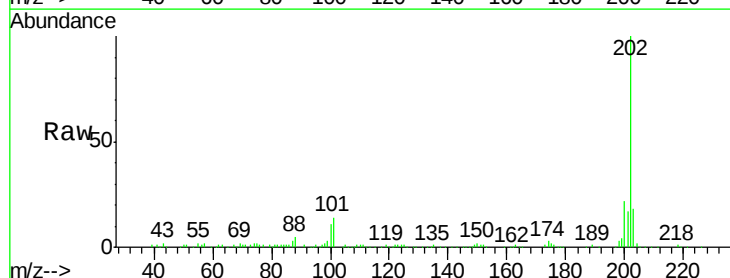
Tgt Ion:202 Resp: 139730

Ion Ratio Lower Upper

202 100

200 21.8 18.4 27.6

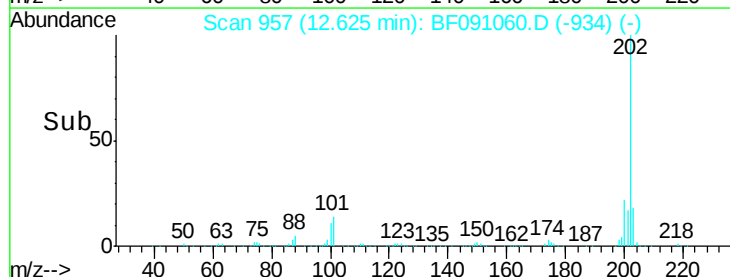
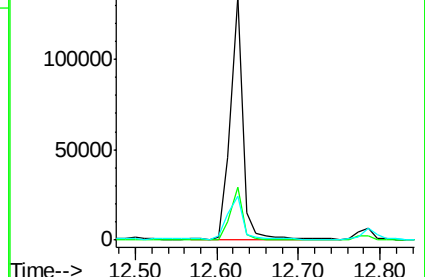
203 18.0 15.0 22.6

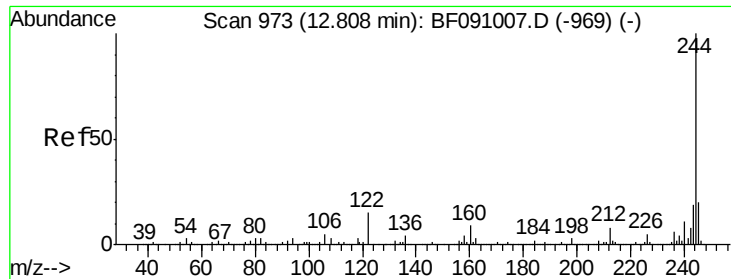


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

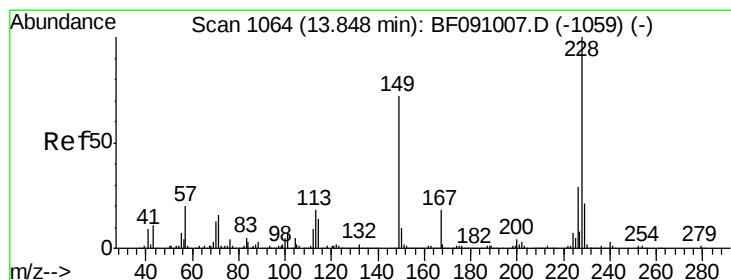
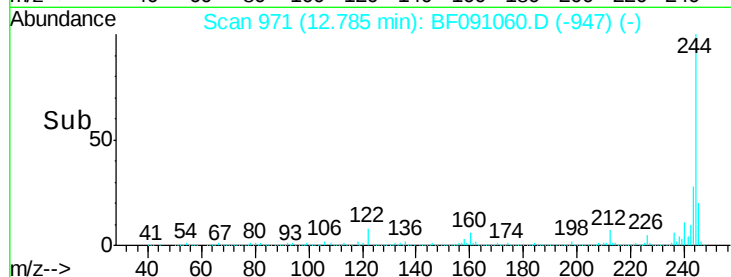
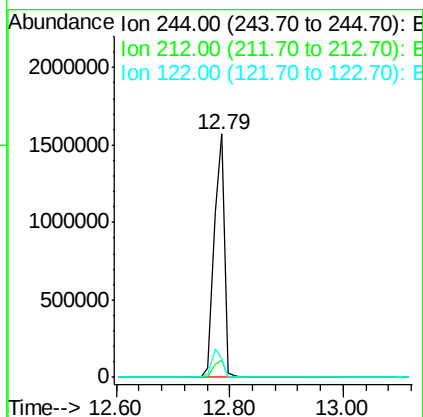
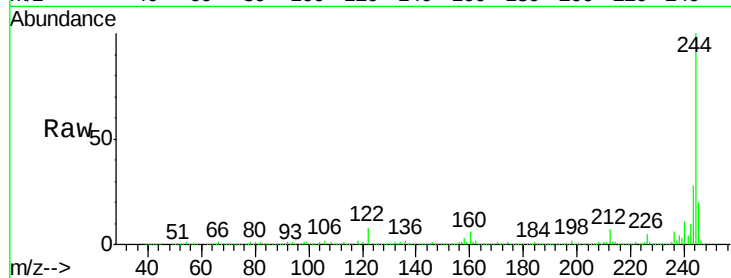




#78
 Terphenyl-d14
 Concen: 111.25 ng
 RT: 12.79 min Scan# 971
 Delta R.T. -0.02 min
 Lab File: BF091060.D
 Acq: 7 Nov 2016 17:12

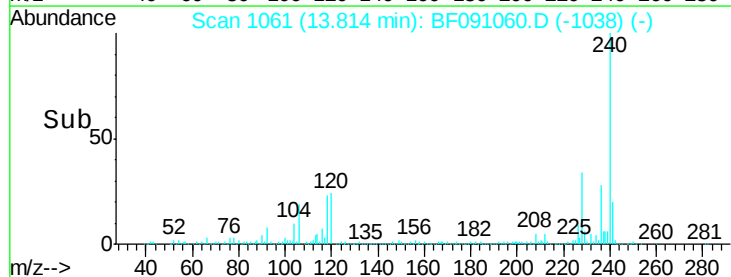
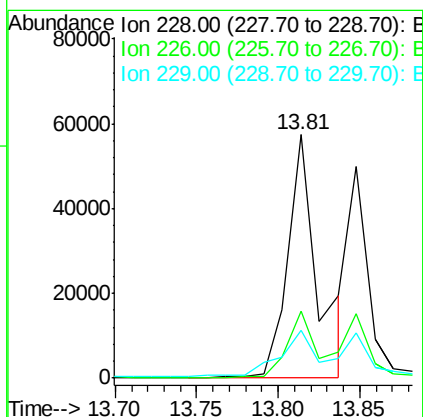
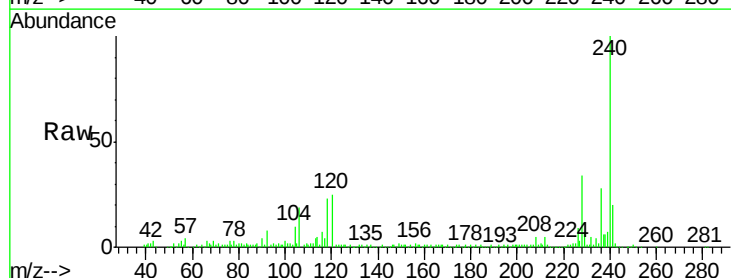
Instrument :
 BNA_F
 ClientSampleId :
 V001-BF016-01

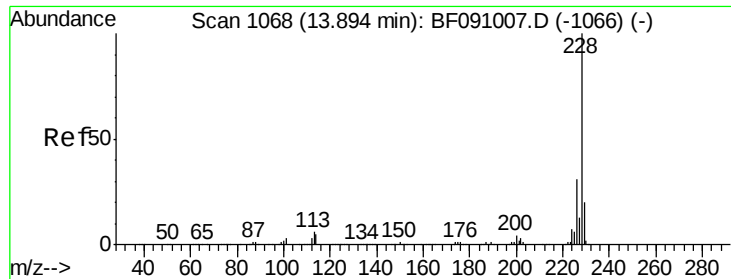
Tgt Ion:244 Resp: 1896151
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.4 9.6
 122 7.6 12.3 18.5#



#80
 Benzo(a)anthracene
 Concen: 3.08 ng
 RT: 13.81 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BF091060.D
 Acq: 7 Nov 2016 17:12

Tgt Ion:228 Resp: 74323
 Ion Ratio Lower Upper
 228 100
 226 27.4 23.0 34.6
 229 19.7 16.6 24.8





#82

Chrysene

Concen: 3.12 ng

RT: 13.81 min Scan# 1061

Delta R.T. -0.08 min

Lab File: BF091060.D

Acq: 7 Nov 2016 17:12

Instrument :

BNA_F

ClientSampleId :

V001-BF016-01

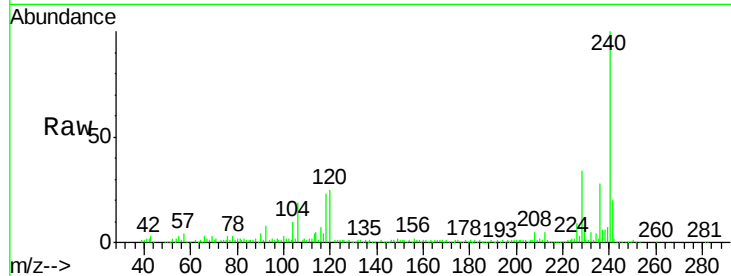
Tgt Ion:228 Resp: 74323

Ion Ratio Lower Upper

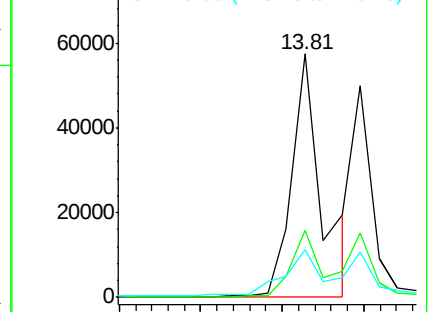
228 100

226 27.4 24.9 37.3

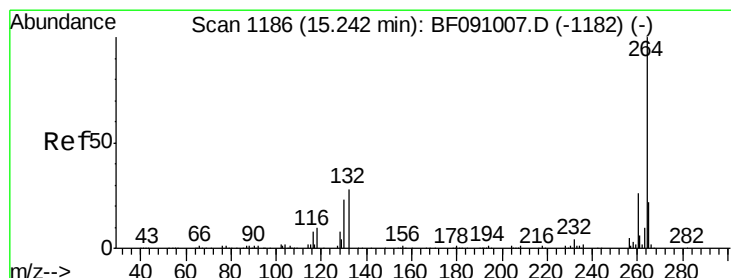
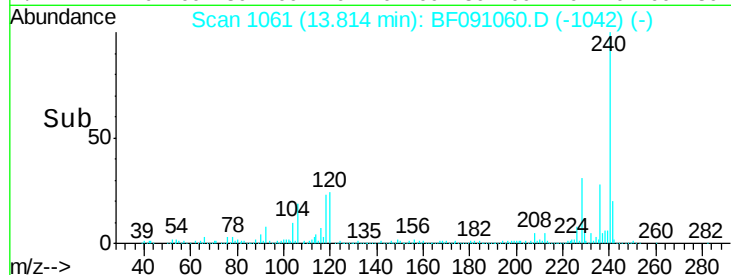
229 19.7 15.9 23.9



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



Time--> 13.70 13.75 13.80 13.85



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.20 min Scan# 1182

Delta R.T. -0.05 min

Lab File: BF091060.D

Acq: 7 Nov 2016 17:12

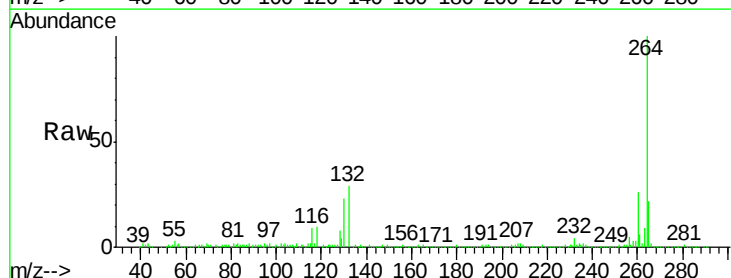
Tgt Ion:264 Resp: 369450

Ion Ratio Lower Upper

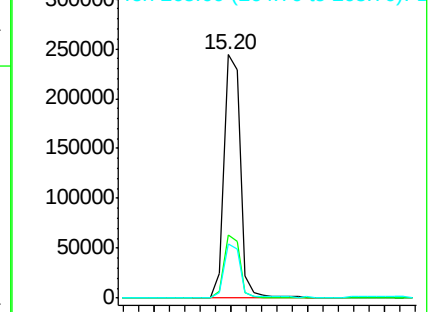
264 100

260 25.7 20.6 30.8

265 22.1 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time--> 15.10 15.20 15.30 15.40

