

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091516\
 Data File : BF090098.D
 Acq On : 15 Sep 2016 18:16
 Operator : UM/SJ
 Sample : H4758-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-005

Quant Time: Sep 16 00:52:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 11:18:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	159114	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	634699	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	267973	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	399235	20.00	ng	0.00
75) Chrysene-d12	13.66	240	328492	20.00	ng	-0.01
86) Perylene-d12	14.99	264	294235	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	1166952	117.95	ng	0.00
7) Phenol-d6	6.20	99	1441638	111.30	ng	0.00
23) Nitrobenzene-d5	7.12	82	853873	75.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	265458	98.62	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	1275745	74.77	ng	-0.01
78) Terphenyl-d14	12.63	244	748338	54.10	ng	-0.01

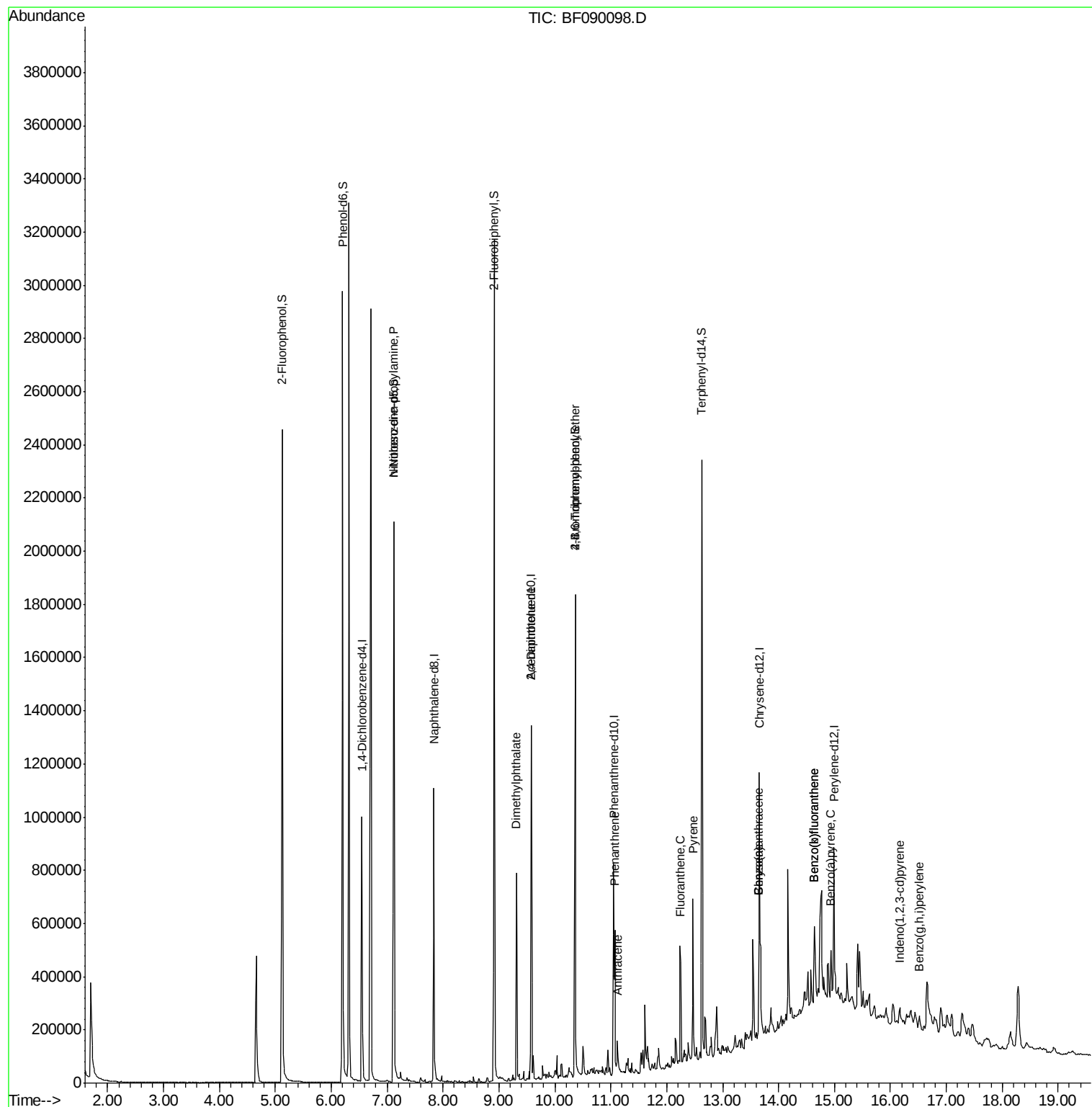
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.12	70	104154	12.94	ng	# 80
49) Dimethylphthalate	9.31	163	305292	15.34	ng	99
56) 2,4-Dinitrotoluene	9.58	165	33738	6.22	ng	# 15
66) 4-Bromophenyl-phenylether	10.36	248	16129	4.19	ng	# 1
70) Phenanthrene	11.07	178	253397	13.13	ng	98
71) Anthracene	11.12	178	56940	2.70	ng	98
74) Fluoranthene	12.25	202	263558	13.04	ng	90
77) Pyrene	12.47	202	236232	9.85	ng	97
80) Benzo(a)anthracene	13.65	228	125877	6.56	ng	97
82) Chrysene	13.65	228	125877	7.00	ng	99
85) Indeno(1,2,3-cd)pyrene	16.17	276	45121	2.89	ng	99
87) Benzo(b)fluoranthene	14.64	252	183965	10.67	ng	97
88) Benzo(k)fluoranthene	14.64	252	183965	11.85	ng	# 92
89) Benzo(a)pyrene	14.94	252	87624	5.66	ng	# 92
91) Benzo(g,h,i)perylene	16.51	276	39759	3.44	ng	93

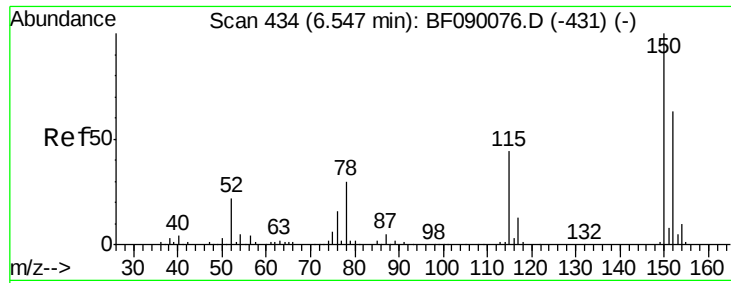
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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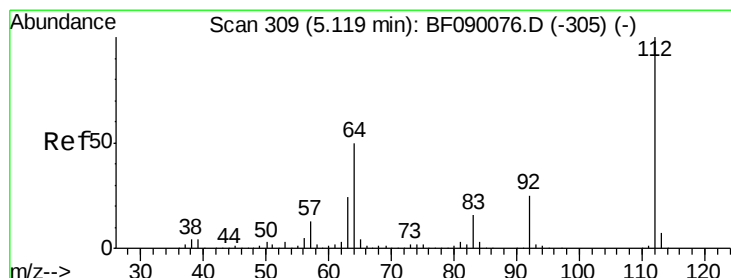
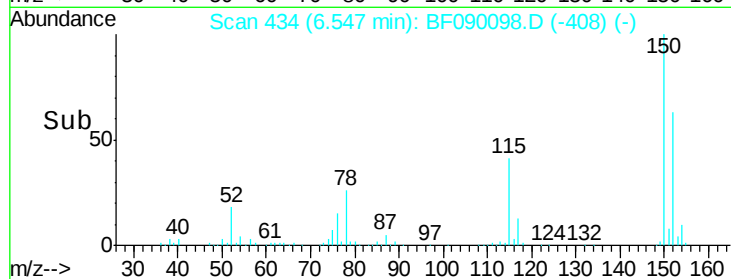
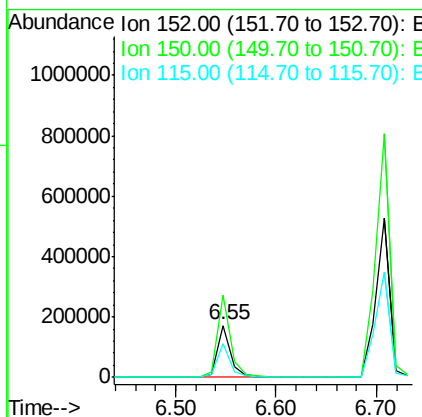
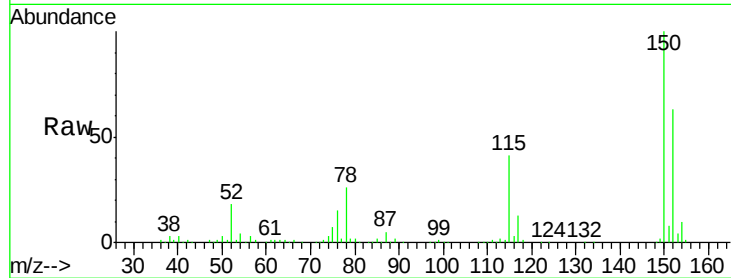




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 434
 Delta R.T. 0.00 min
 Lab File: BF090098.D
 Acq: 15 Sep 2016 18:16

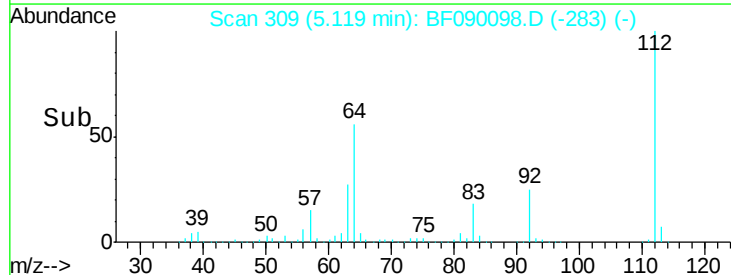
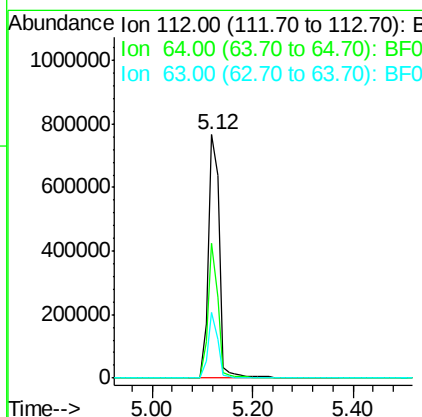
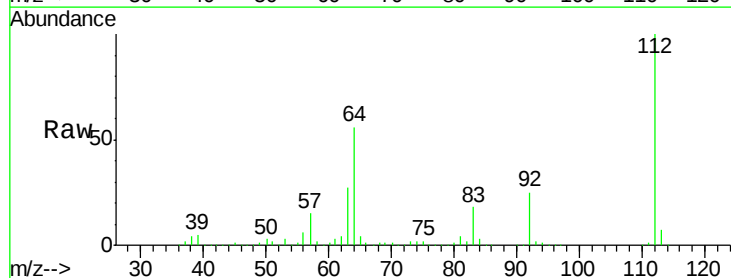
Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-005

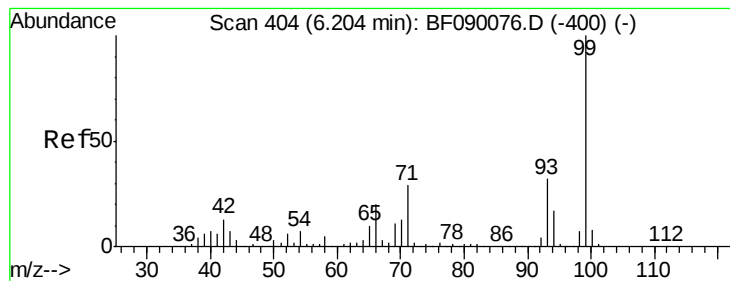
Tgt Ion:152 Resp: 159114
 Ion Ratio Lower Upper
 152 100
 150 159.3 128.9 193.3
 115 65.1 55.5 83.3



#5
 2-Fluorophenol
 Concen: 117.95 ng
 RT: 5.12 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: BF090098.D
 Acq: 15 Sep 2016 18:16

Tgt Ion:112 Resp: 1166952
 Ion Ratio Lower Upper
 112 100
 64 55.6 39.8 59.6
 63 27.2 18.9 28.3





#7

Phenol-d6

Concen: 111.30 ng

RT: 6.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

Instrument :

BNA_F

ClientSampleId :

NC-TS-005

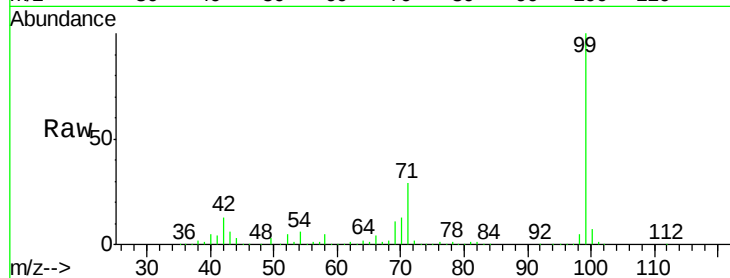
Tgt Ion: 99 Resp: 1441638

Ion Ratio Lower Upper

99 100

42 12.7 10.6 15.8

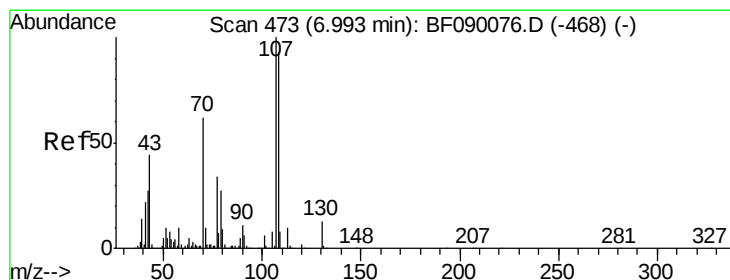
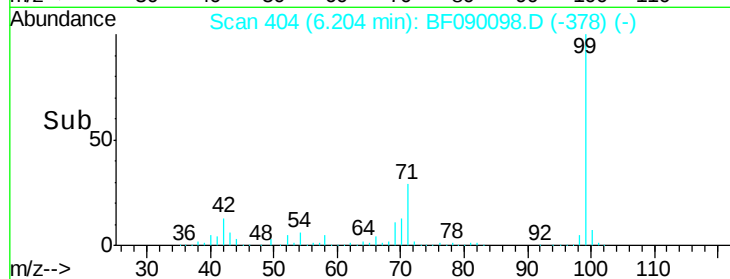
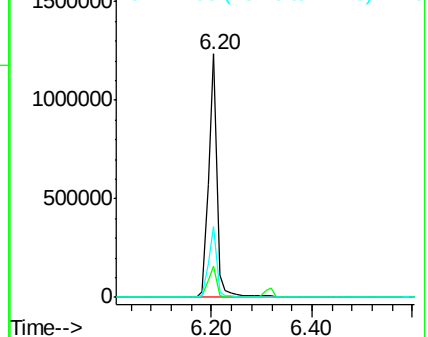
71 29.1 23.0 34.6



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.94 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.13 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

Tgt Ion: 70 Resp: 104154

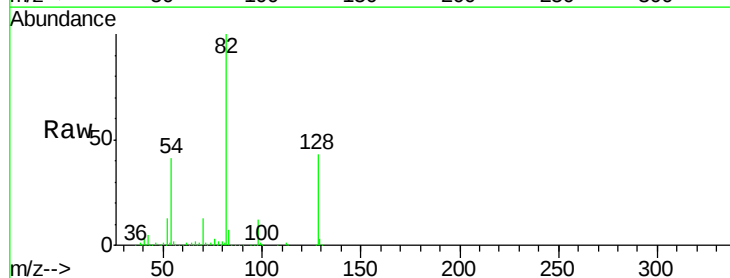
Ion Ratio Lower Upper

70 100

42 37.3 35.1 52.7

101 0.0 7.5 11.3#

130 2.3 16.6 25.0#

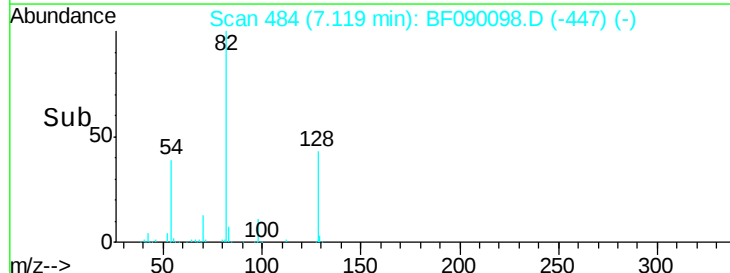
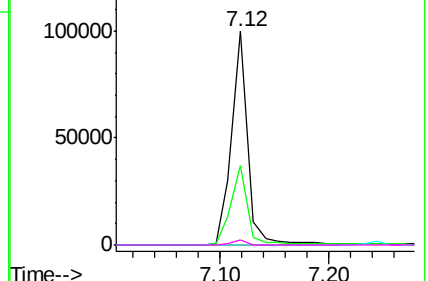


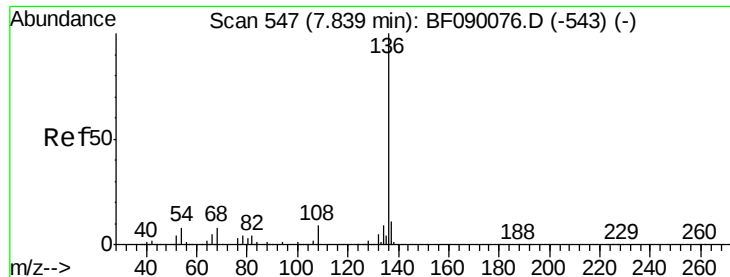
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. 0.00 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

Instrument :

BNA_F

ClientSampleId :

NC-TS-005

Tgt Ion:136 Resp: 634699

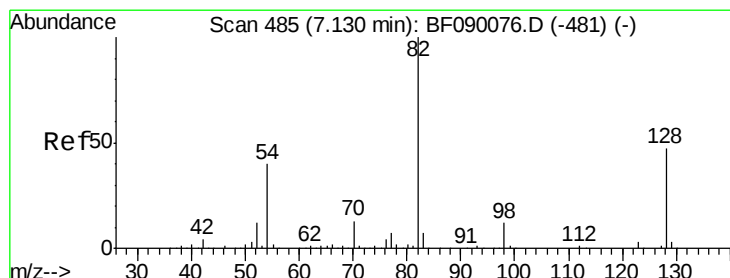
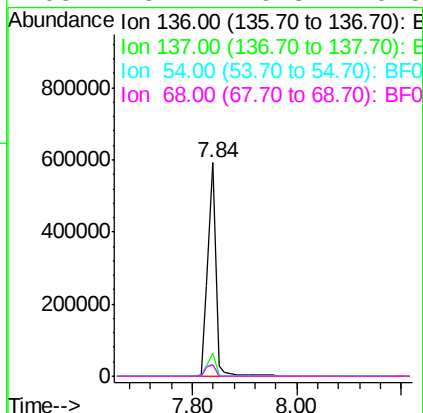
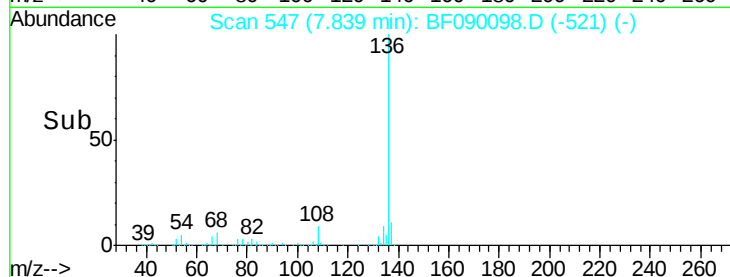
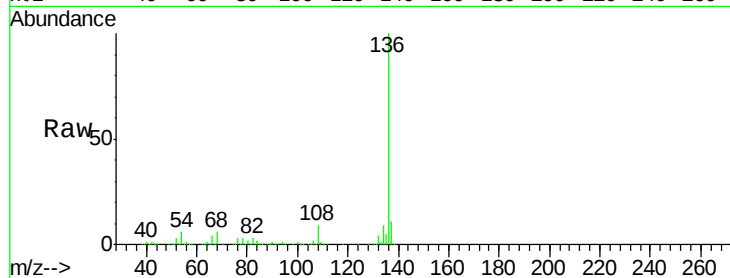
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 5.6 6.4 9.6#

68 5.7 6.3 9.5#



#23

Nitrobenzene-d5

Concen: 75.64 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.01 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

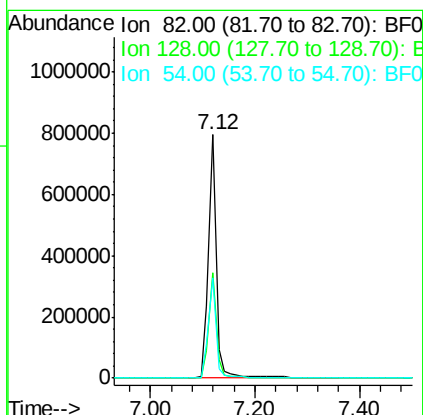
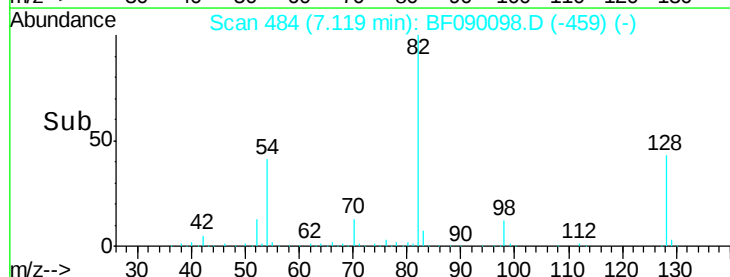
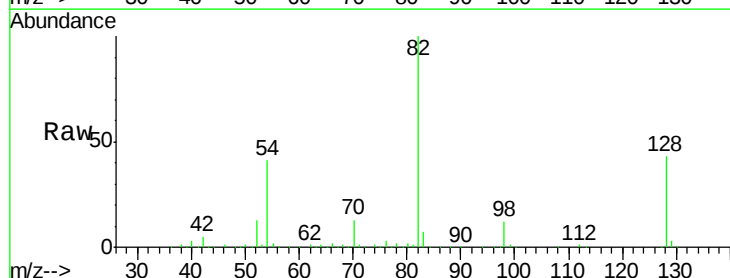
Tgt Ion: 82 Resp: 853873

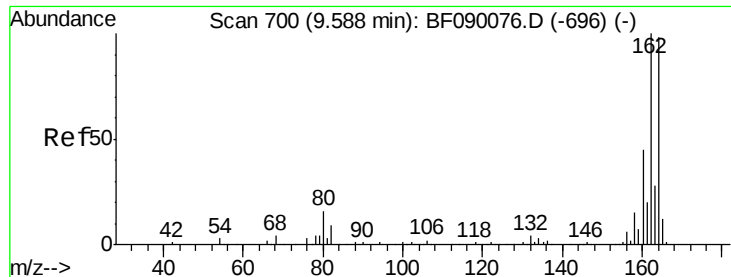
Ion Ratio Lower Upper

82 100

128 43.4 37.5 56.3

54 41.3 31.9 47.9

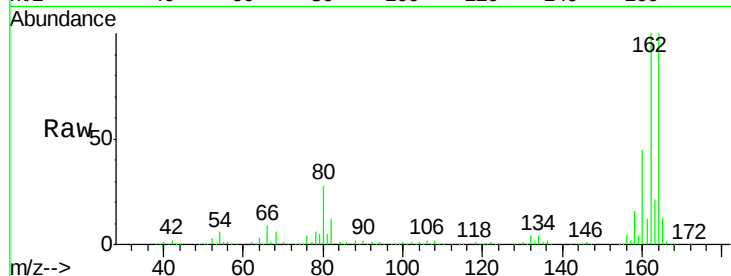




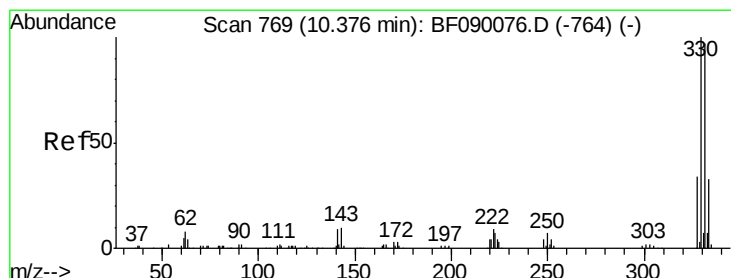
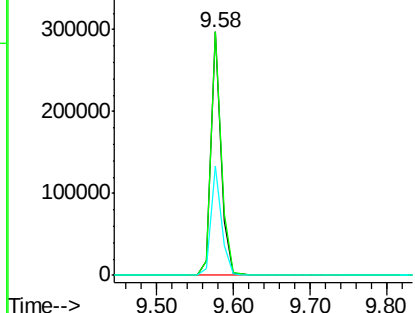
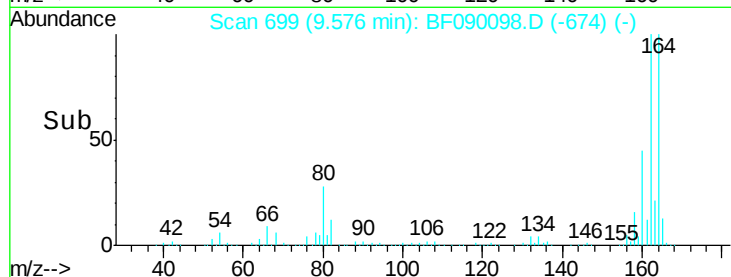
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF090098.D
 Acq: 15 Sep 2016 18:16

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-005

Tgt Ion:164 Resp: 267973
 Ion Ratio Lower Upper
 164 100
 162 99.9 81.4 122.2
 160 44.7 36.6 54.8

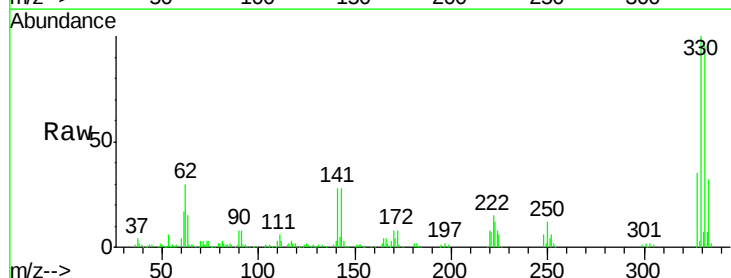


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

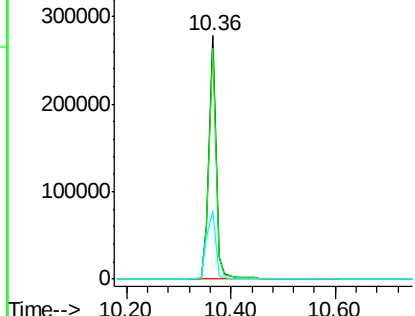
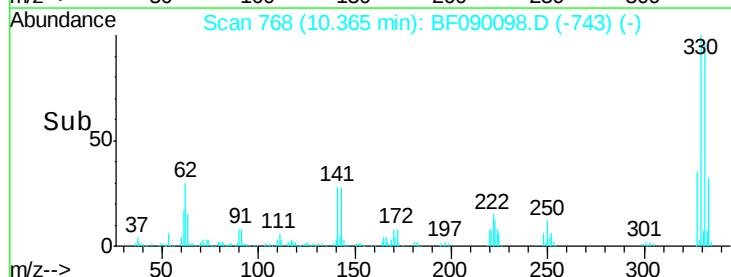


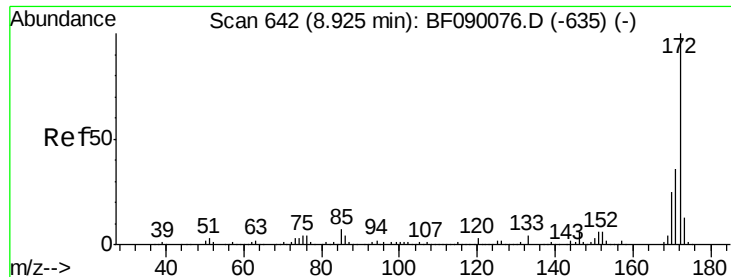
#41
 2,4,6-Tribromophenol
 Concen: 98.62 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF090098.D
 Acq: 15 Sep 2016 18:16

Tgt Ion:330 Resp: 265458
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.1 117.1
 141 35.5 23.9 35.9



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

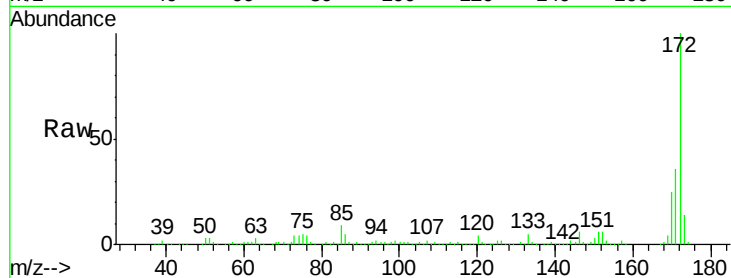




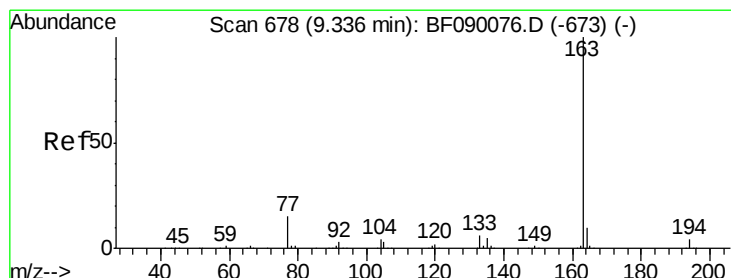
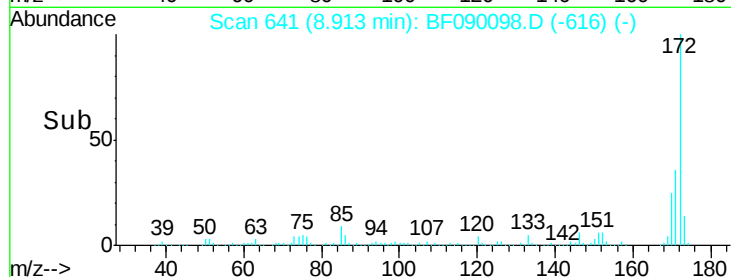
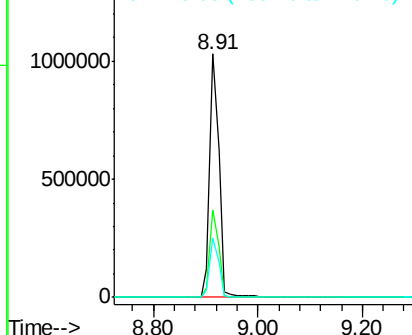
#44
 2-Fluorobiphenyl
 Concen: 74.77 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF090098.D
 Acq: 15 Sep 2016 18:16

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-005

Tgt Ion:172 Resp: 1275745
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 24.5 19.8 29.8

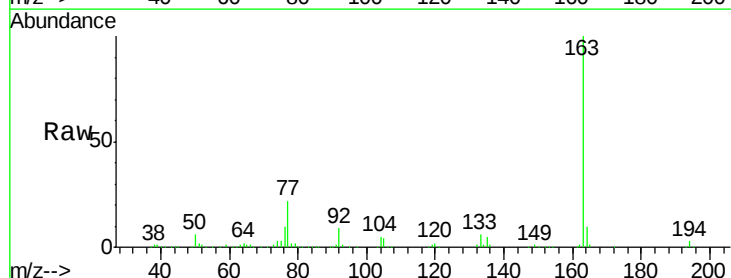


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

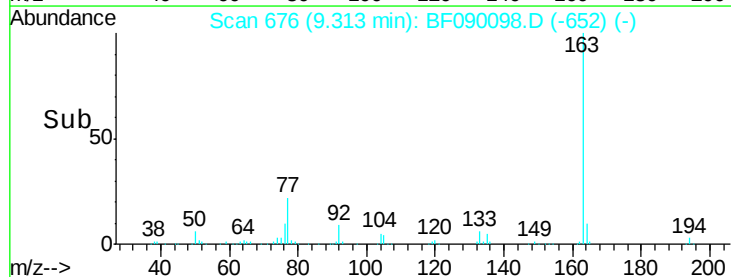
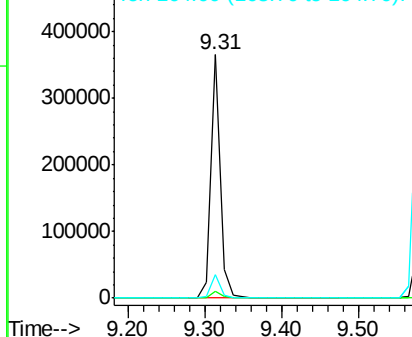


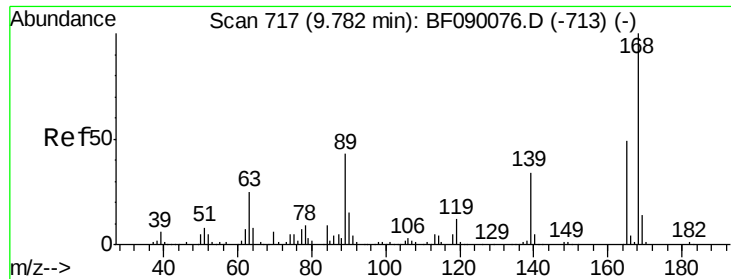
#49
 Dimethylphthalate
 Concen: 15.34 ng
 RT: 9.31 min Scan# 676
 Delta R.T. -0.02 min
 Lab File: BF090098.D
 Acq: 15 Sep 2016 18:16

Tgt Ion:163 Resp: 305292
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 9.8 8.1 12.1



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

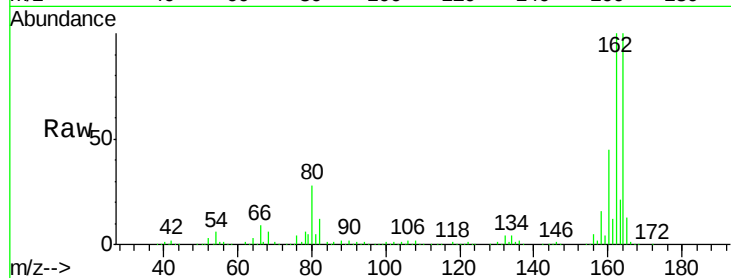




#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.21 min
 Lab File: BF090098.D
 Acq: 15 Sep 2016 18:16

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-005

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.4	66.6#
89	1.5	70.1	105.1#
182	0.0	1.7	2.5#

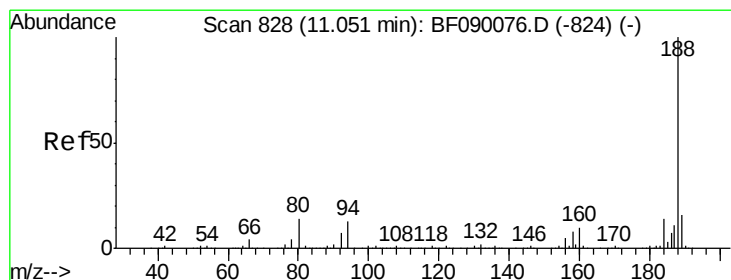
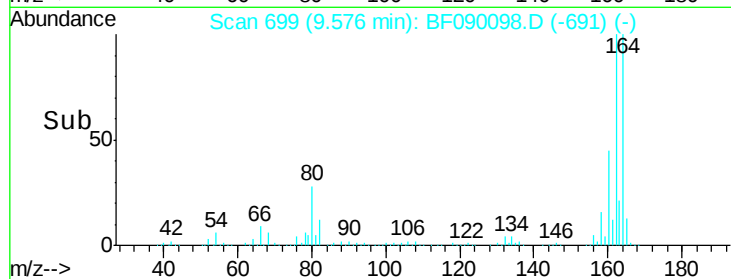
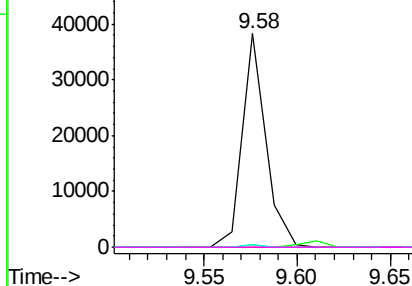


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

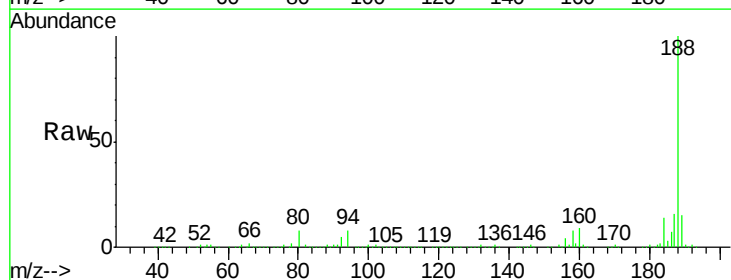
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.05 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF090098.D
 Acq: 15 Sep 2016 18:16

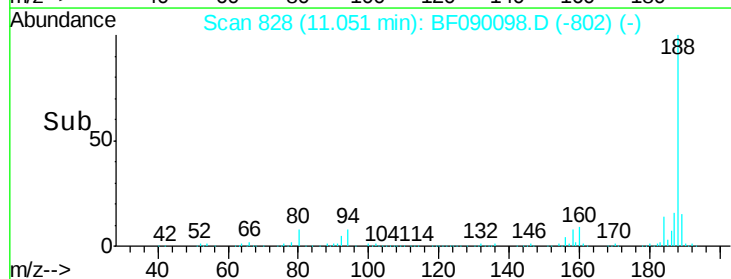
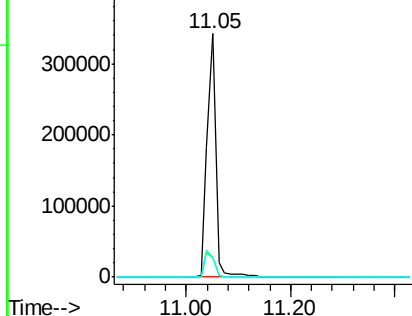
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	10.5	15.7#
80	8.2	11.2	16.8#

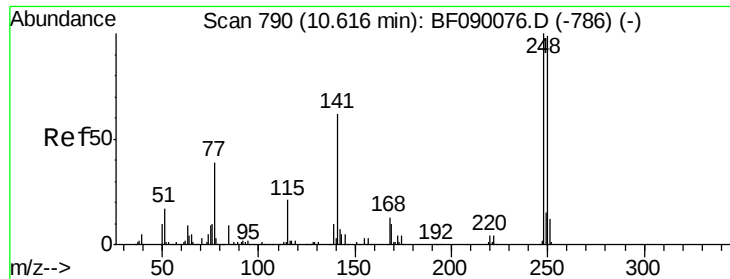


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

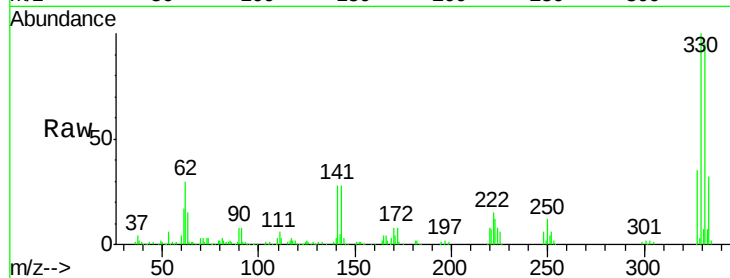




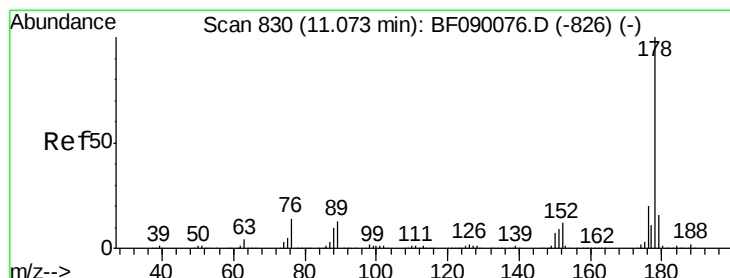
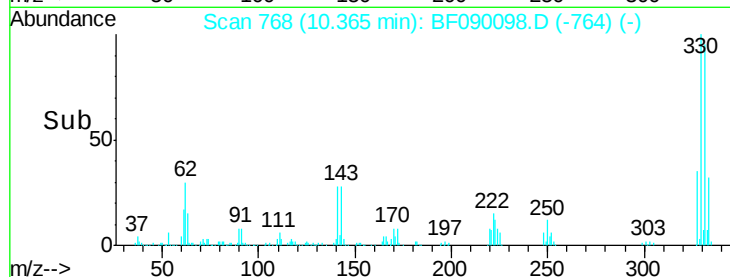
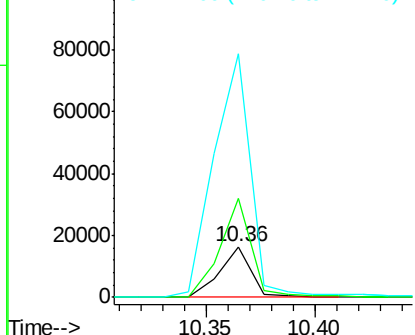
#66
 4-Bromophenyl-phenylether
 Concen: 4.19 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.25 min
 Lab File: BF090098.D
 Acq: 15 Sep 2016 18:16

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-005

Tgt Ion:248 Resp: 16129
 Ion Ratio Lower Upper
 248 100
 250 195.6 79.4 119.2#
 141 478.1 49.3 73.9#

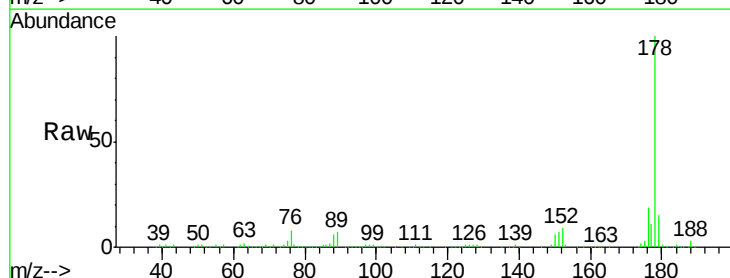


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

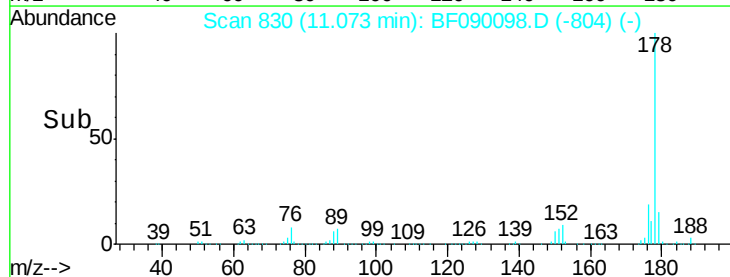
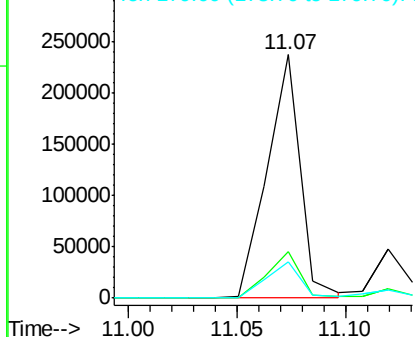


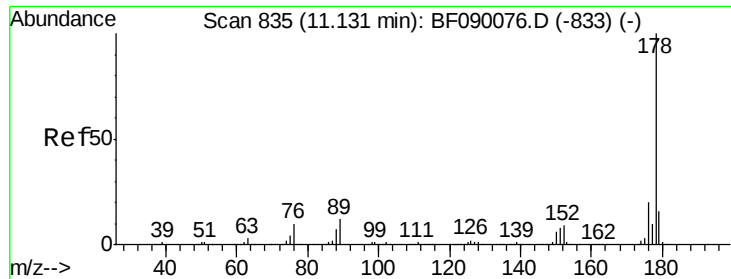
#70
 Phenanthrene
 Concen: 13.13 ng
 RT: 11.07 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BF090098.D
 Acq: 15 Sep 2016 18:16

Tgt Ion:178 Resp: 253397
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.9 23.9
 179 15.1 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





#71

Anthracene

Concen: 2.70 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

Instrument :

BNA_F

ClientSampleId :

NC-TS-005

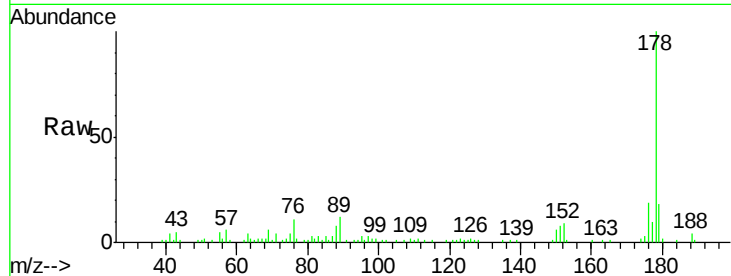
Tgt Ion:178 Resp: 56940

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

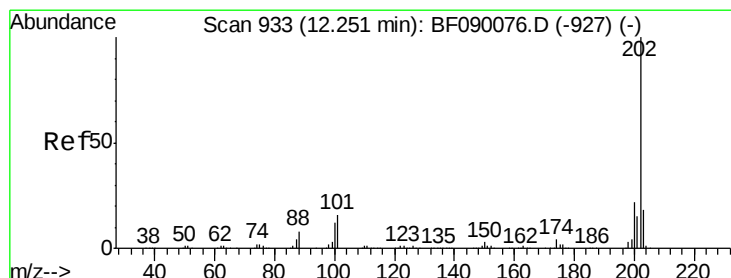
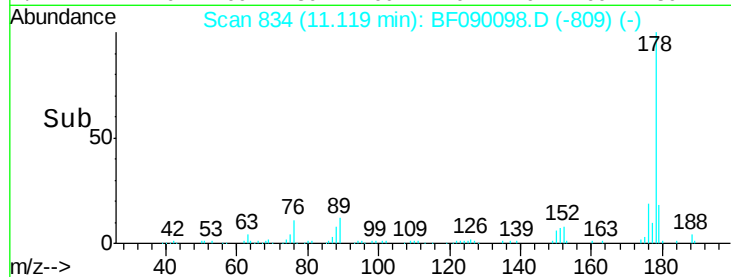
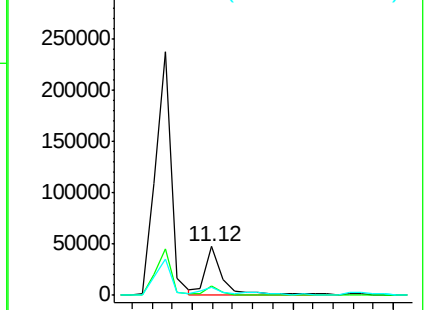
179 17.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 13.04 ng

RT: 12.25 min Scan# 933

Delta R.T. 0.00 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

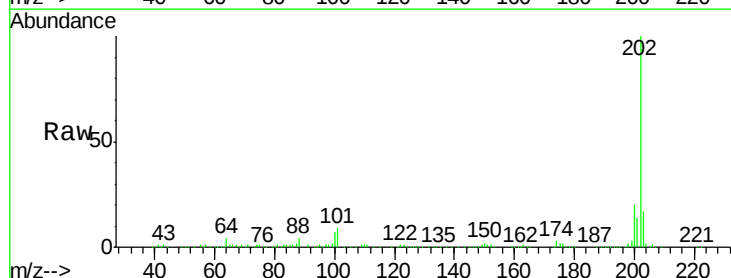
Tgt Ion:202 Resp: 263558

Ion Ratio Lower Upper

202 100

101 9.0 0.0 36.1

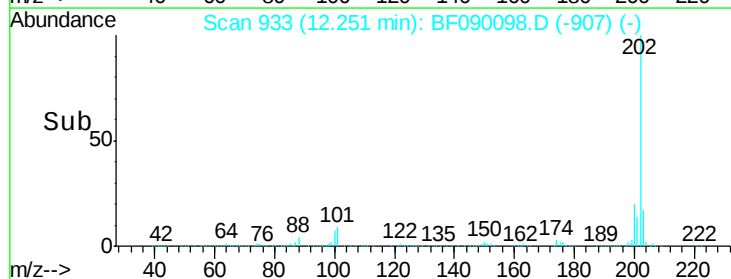
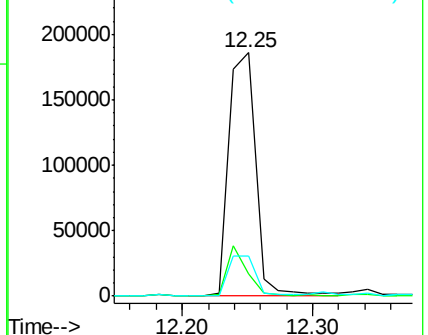
203 16.7 0.0 38.2

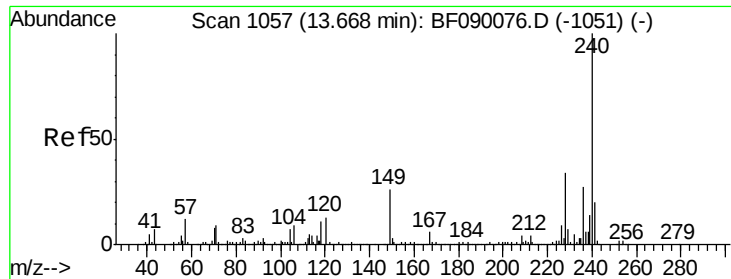


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.66 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

Instrument :

BNA_F

ClientSampleId :

NC-TS-005

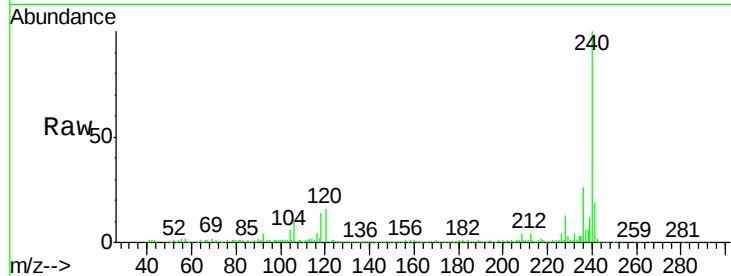
Tgt Ion:240 Resp: 328492

Ion Ratio Lower Upper

240 100

120 16.1 10.6 16.0#

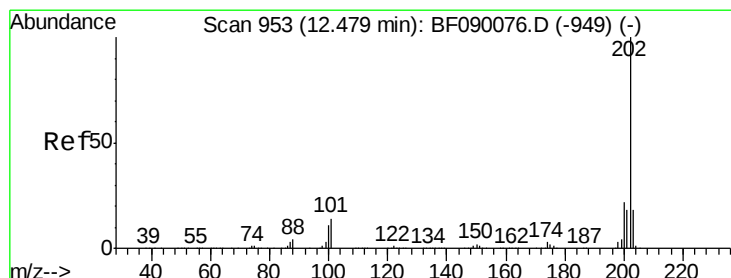
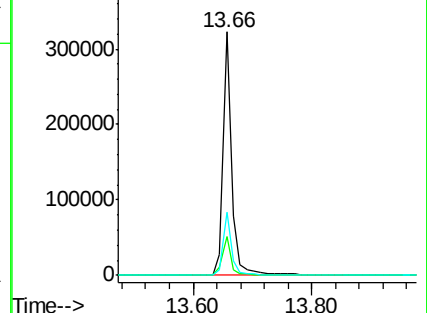
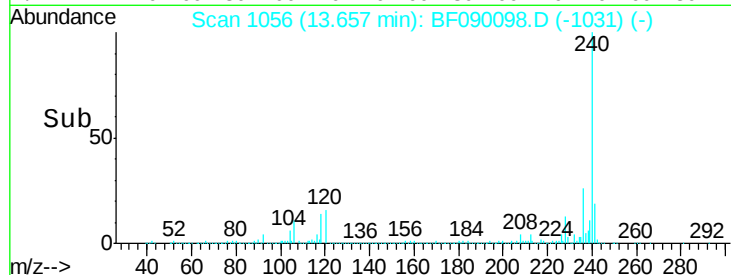
236 26.0 21.6 32.4



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: 9.85 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

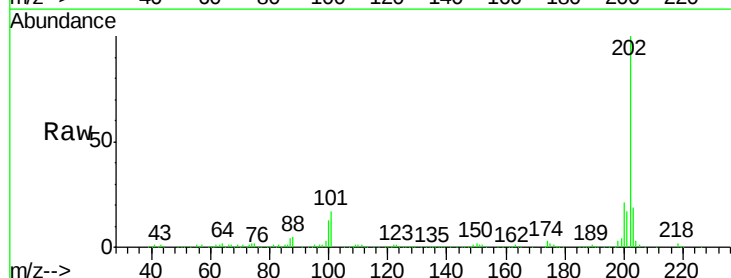
Tgt Ion:202 Resp: 236232

Ion Ratio Lower Upper

202 100

200 20.8 17.9 26.9

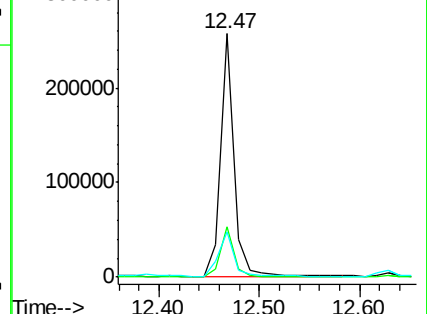
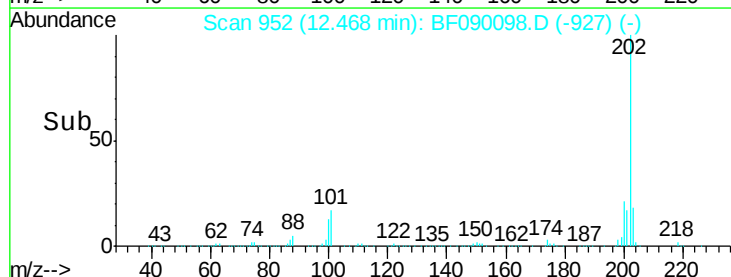
203 18.6 14.2 21.4

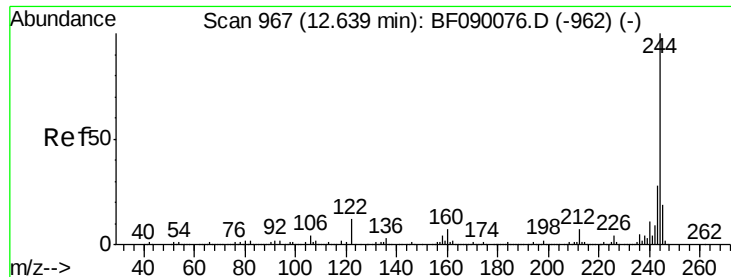


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.10 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

Instrument :

BNA_F

ClientSampleId :

NC-TS-005

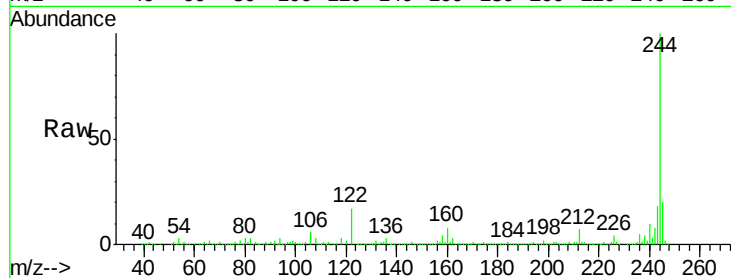
Tgt Ion:244 Resp: 748338

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

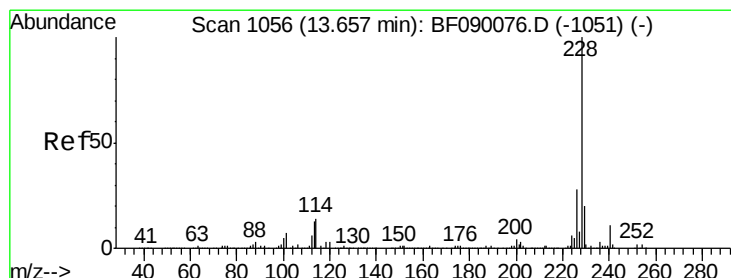
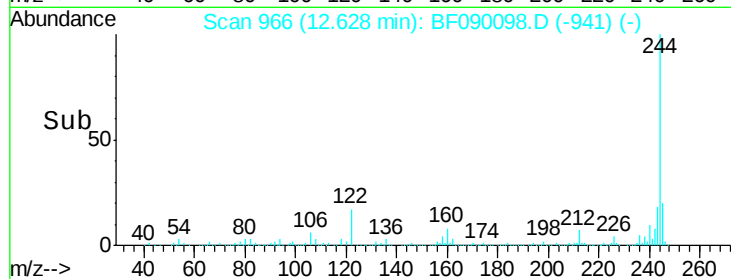
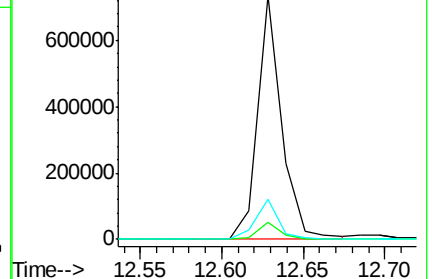
122 16.6 9.4 14.0#



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: 6.56 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

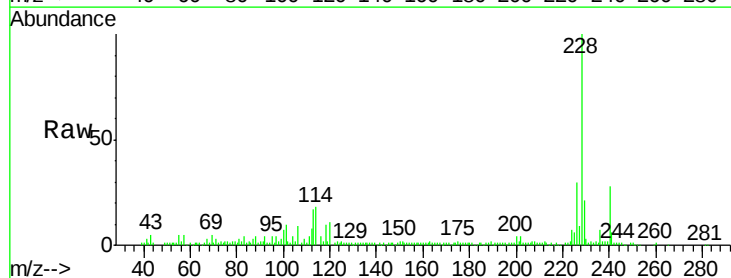
Tgt Ion:228 Resp: 125877

Ion Ratio Lower Upper

228 100

226 29.8 22.0 33.0

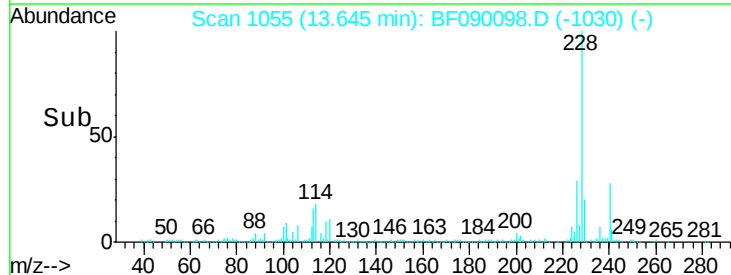
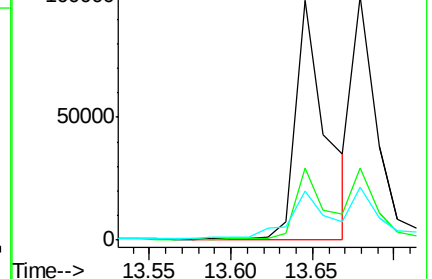
229 20.6 16.2 24.2

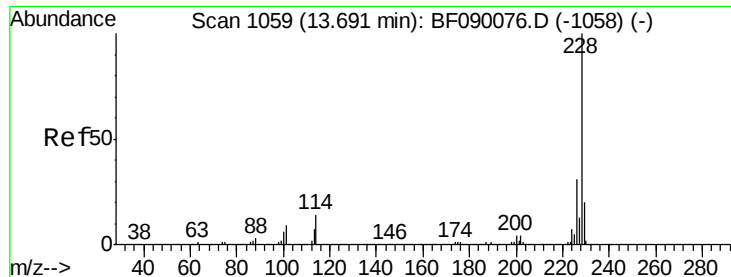


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.04 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

Instrument :

BNA_F

ClientSampled :

NC-TS-005

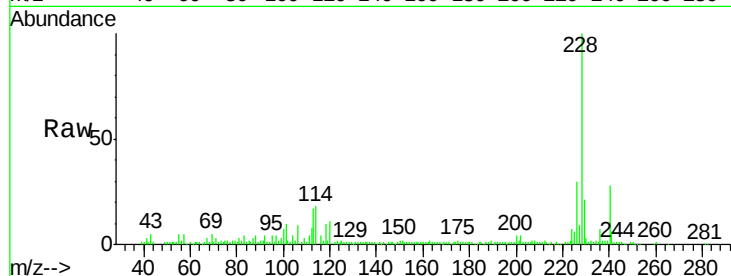
Tgt Ion:228 Resp: 125877

Ion Ratio Lower Upper

228 100

226 29.8 24.6 37.0

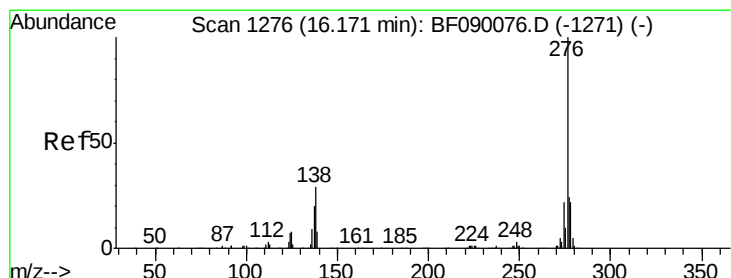
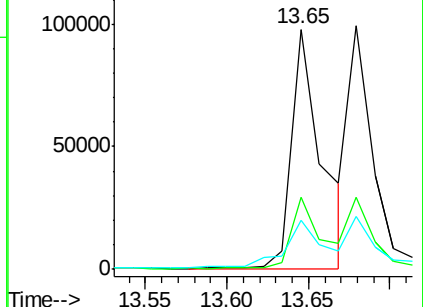
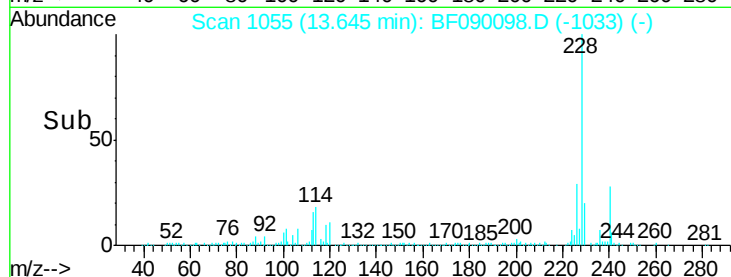
229 20.6 16.2 24.4



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: 2.89 ng

RT: 16.17 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

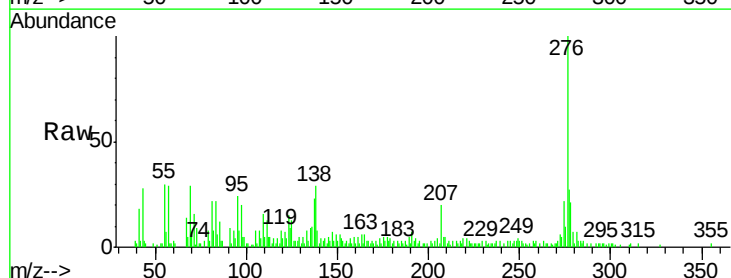
Tgt Ion:276 Resp: 45121

Ion Ratio Lower Upper

276 100

138 31.9 25.9 38.9

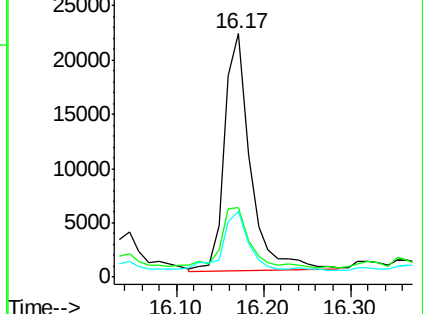
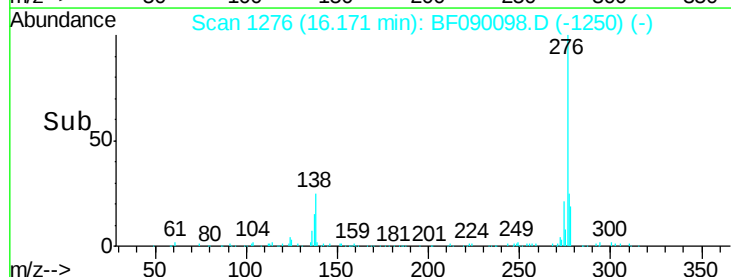
277 24.4 19.9 29.9

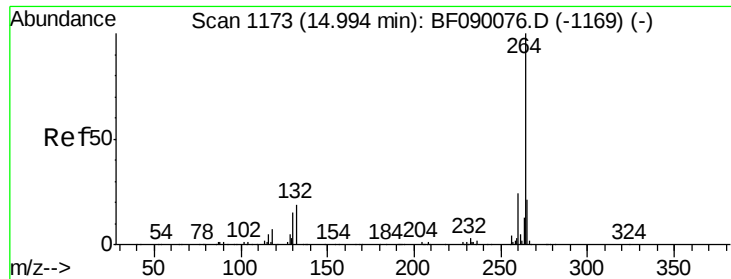


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

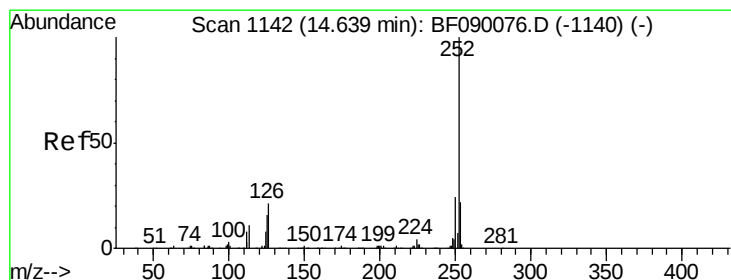
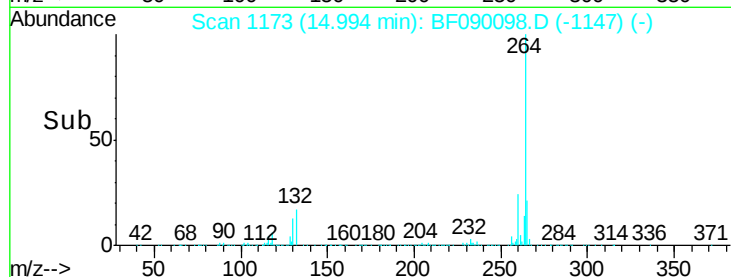
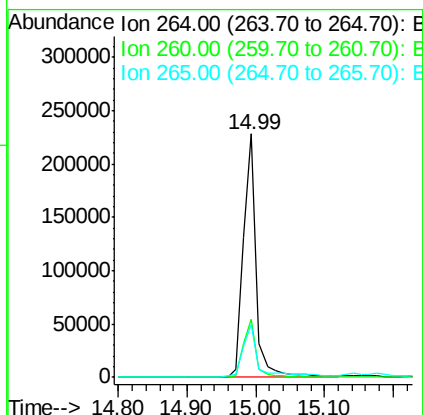
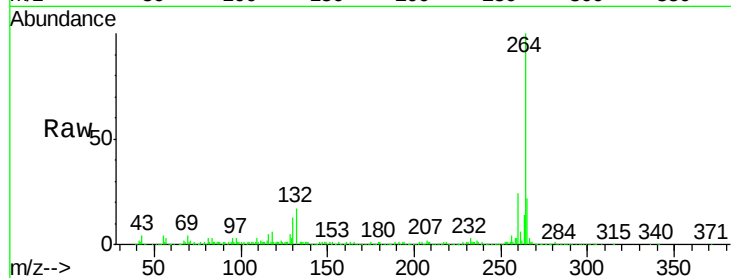




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.99 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF090098.D
Acq: 15 Sep 2016 18:16

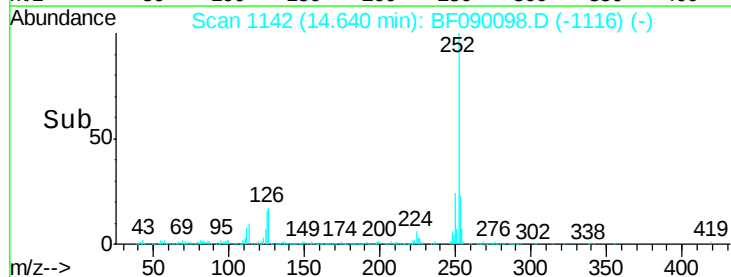
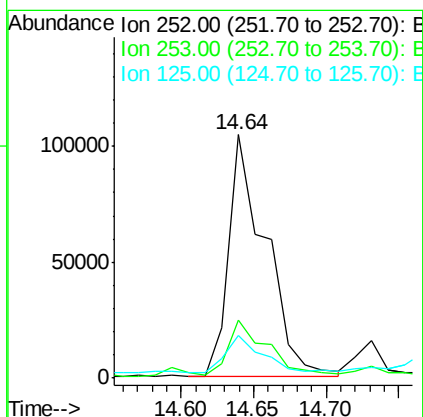
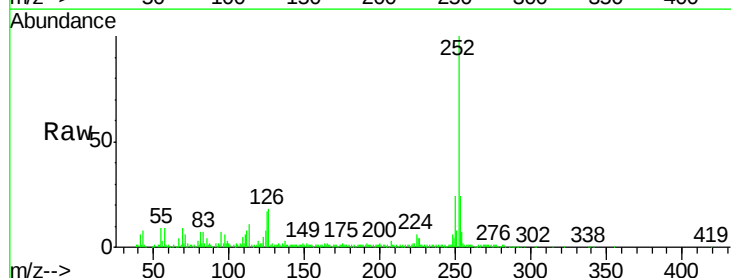
Instrument :
BNA_F
ClientSampleId :
NC-TS-005

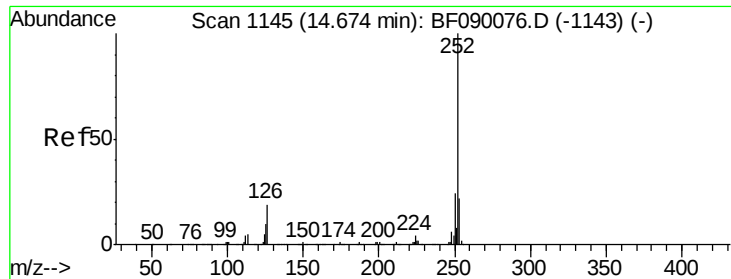
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.7	17.0	25.4



#87
Benzo(b)fluoranthene
Concen: 10.67 ng
RT: 14.64 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF090098.D
Acq: 15 Sep 2016 18:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	17.4	12.7	19.1





#88

Benzo(k)fluoranthene

Concen: 11.85 ng

RT: 14.64 min Scan# 1142

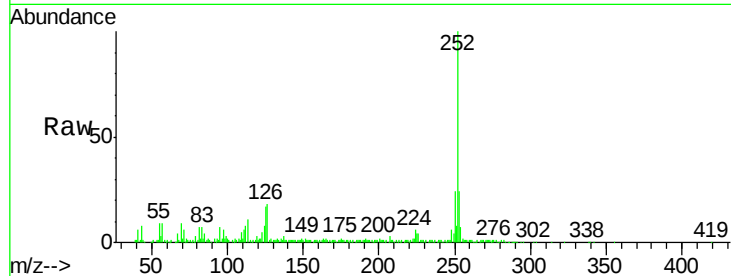
Delta R.T. -0.03 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

Instrument :
BNA_F
ClientSampleId :
NC-TS-005

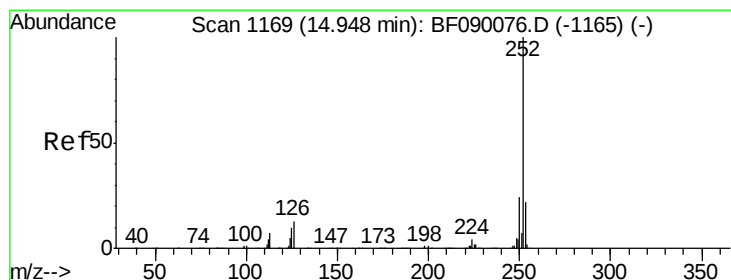
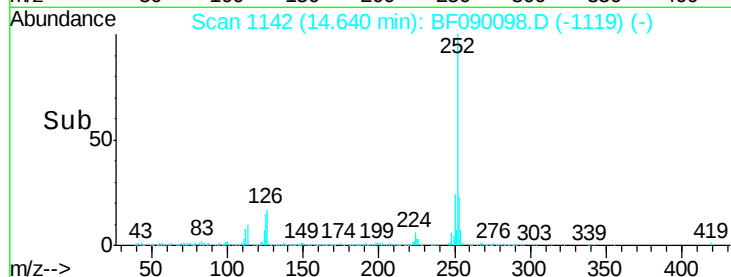
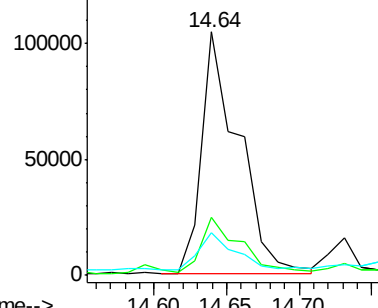
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	17.4	7.8	11.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 5.66 ng

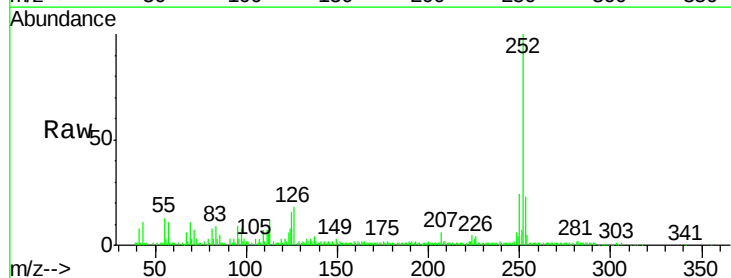
RT: 14.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF090098.D

Acq: 15 Sep 2016 18:16

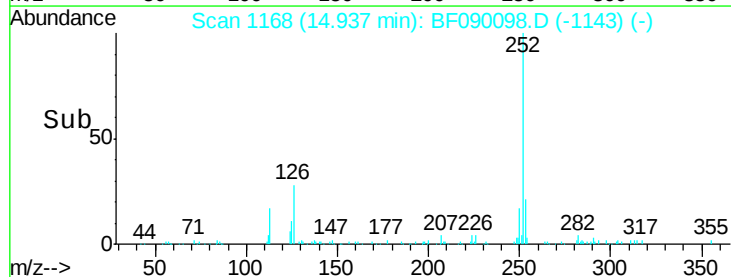
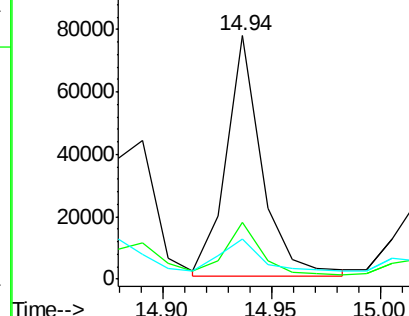
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	16.5	7.7	11.5#

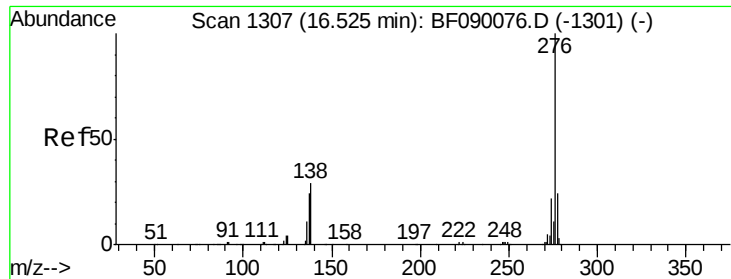


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.44 ng
 RT: 16.51 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BF090098.D
 Acq: 15 Sep 2016 18:16

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-005

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	18.9	28.3
138	33.1	23.3	34.9

