

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091516\
 Data File : BF090097.D
 Acq On : 15 Sep 2016 17:47
 Operator : UM/SJ
 Sample : H4756-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-004

Quant Time: Sep 16 00:52:16 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	168251	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	656807	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	289723	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	460209	20.00	ng	0.00
75) Chrysene-d12	13.66	240	341063	20.00	ng	-0.01
86) Perylene-d12	14.99	264	321881	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	1053947	100.75	ng	0.00
7) Phenol-d6	6.20	99	1422816	103.88	ng	0.00
23) Nitrobenzene-d5	7.12	82	853460	73.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	270613	92.99	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	1265263	68.59	ng	-0.01
78) Terphenyl-d14	12.63	244	730370	50.85	ng	-0.01

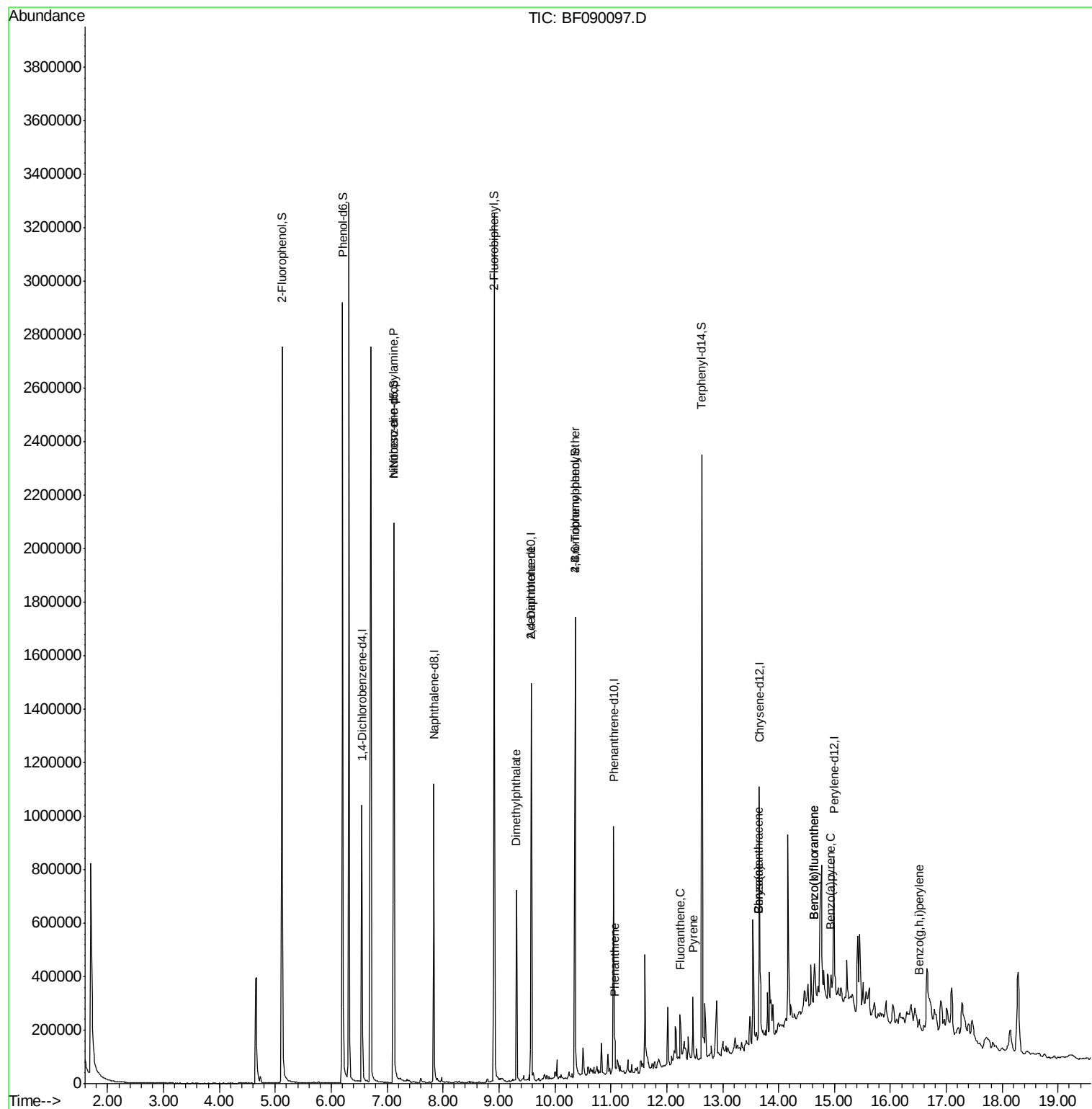
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.12	70	104999	12.34	ng	# 79
49) Dimethylphthalate	9.31	163	278518	12.94	ng	99
56) 2,4-Dinitrotoluene	9.58	165	36969	6.31	ng	# 15
66) 4-Bromophenyl-phenylether	10.36	248	16046	3.62	ng	# 1
70) Phenanthrene	11.07	178	49556	2.23	ng	97
74) Fluoranthene	12.24	202	96861	4.16	ng	93
77) Pyrene	12.47	202	96592	3.88	ng	98
80) Benzo(a)anthracene	13.65	228	56197	2.82	ng	93
82) Chrysene	13.65	228	56197	3.01	ng	97
87) Benzo(b)fluoranthene	14.64	252	91202	4.83	ng	97
88) Benzo(k)fluoranthene	14.64	252	91202	5.37	ng	# 92
89) Benzo(a)pyrene	14.94	252	47045	2.78	ng	# 89
91) Benzo(g,h,i)perylene	16.51	276	26714	2.11	ng	98

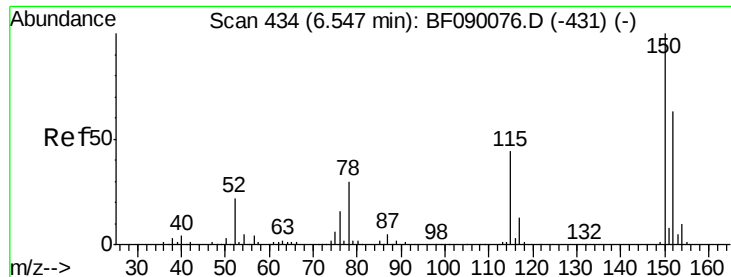
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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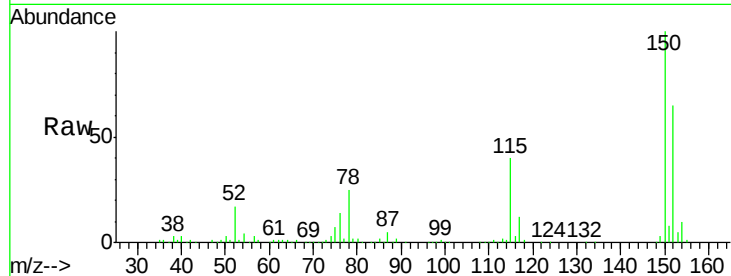


#1

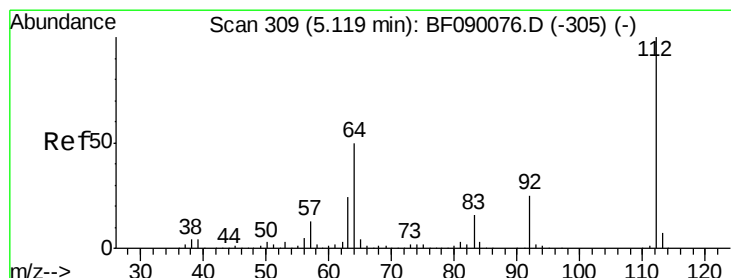
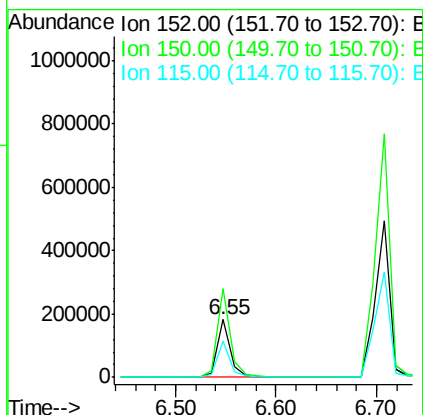
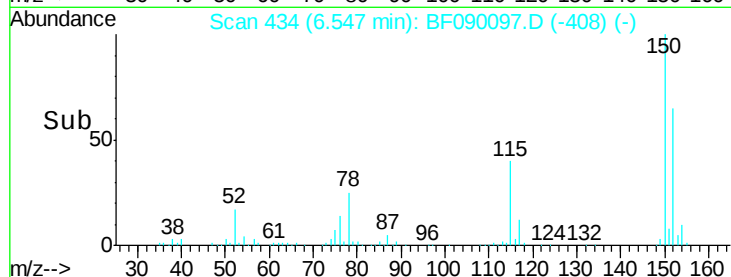
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. 0.00 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

Instrument :
BNA_F
ClientSampleId :
NC-TS-004

Tgt Ion:152 Resp: 168251
Ion Ratio Lower Upper
152 100
150 154.2 128.9 193.3
115 62.4 55.5 83.3



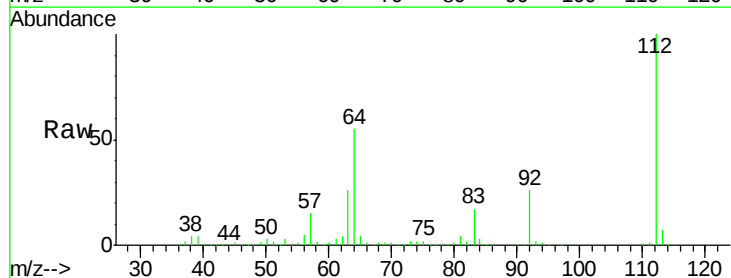
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



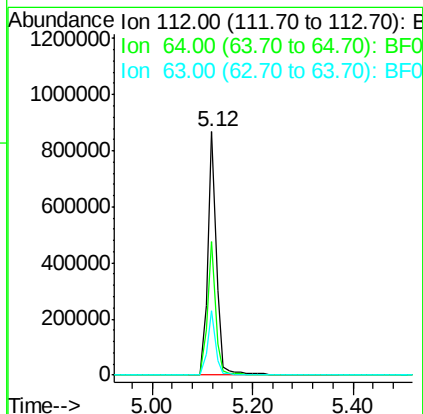
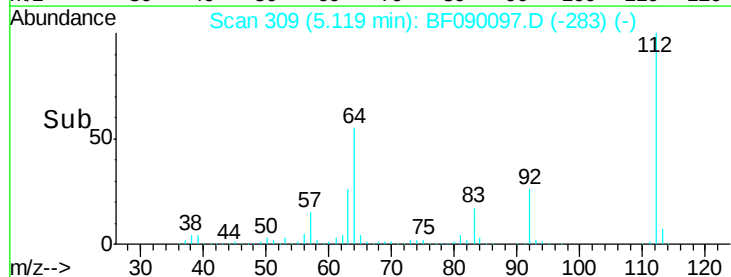
#5

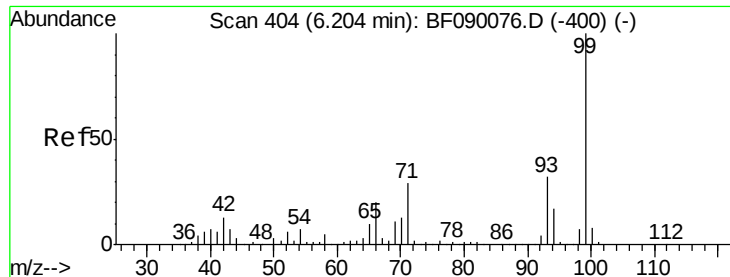
2-Fluorophenol
Concen: 100.75 ng
RT: 5.12 min Scan# 309
Delta R.T. 0.00 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

Tgt Ion:112 Resp: 1053947
Ion Ratio Lower Upper
112 100
64 54.8 39.8 59.6
63 26.3 18.9 28.3



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: 103.88 ng

RT: 6.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Instrument :

BNA_F

ClientSampleId :

NC-TS-004

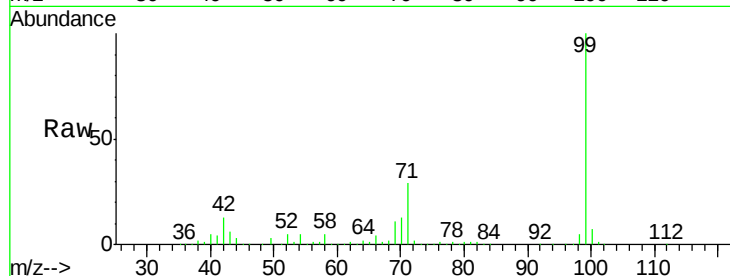
Tgt Ion: 99 Resp: 1422816

Ion Ratio Lower Upper

99 100

42 12.8 10.6 15.8

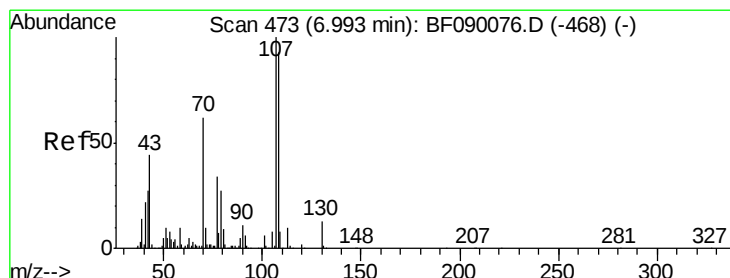
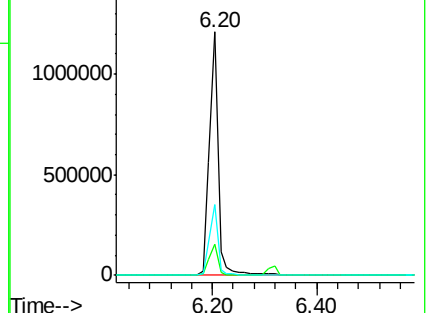
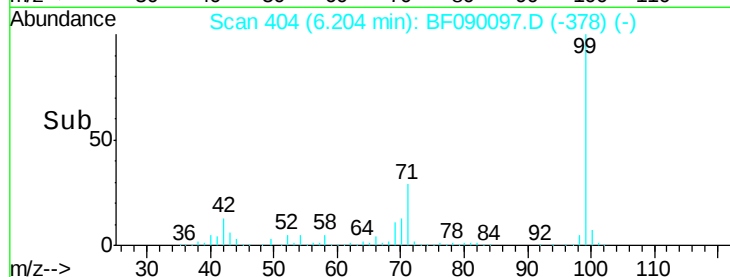
71 29.2 23.0 34.6



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: 12.34 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.13 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Tgt Ion: 70 Resp: 104999

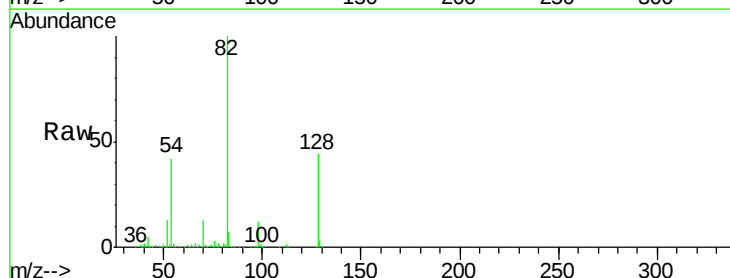
Ion Ratio Lower Upper

70 100

42 36.8 35.1 52.7

101 0.0 7.5 11.3#

130 2.4 16.6 25.0#

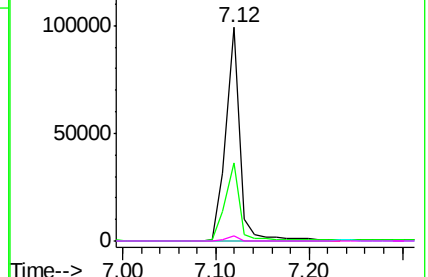
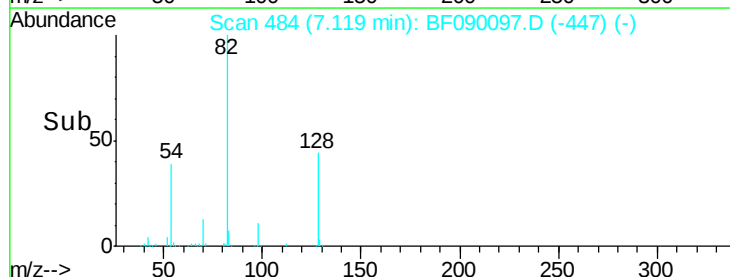


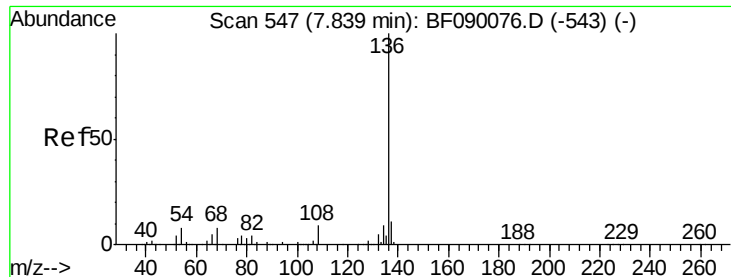
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

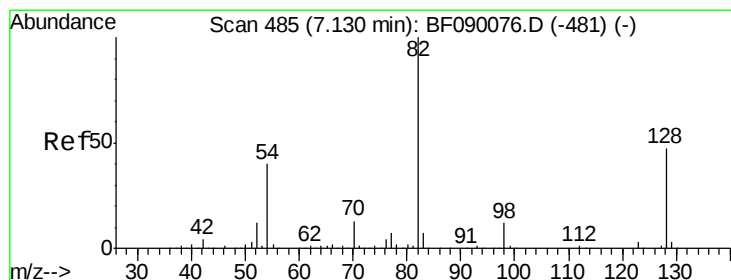
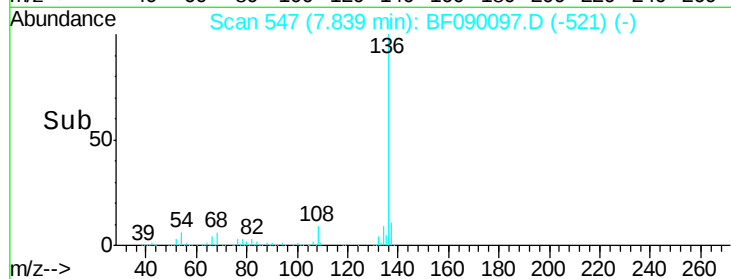
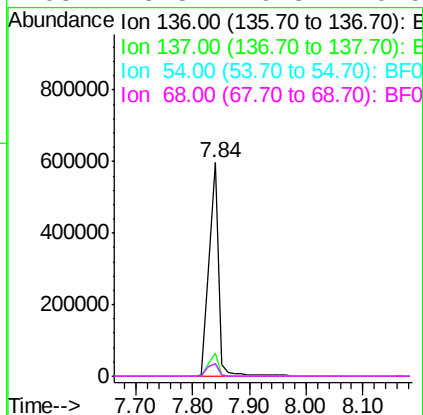
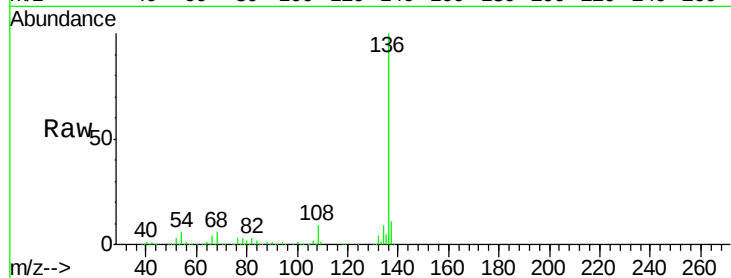




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

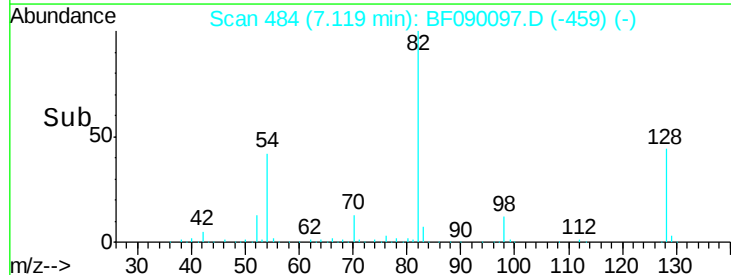
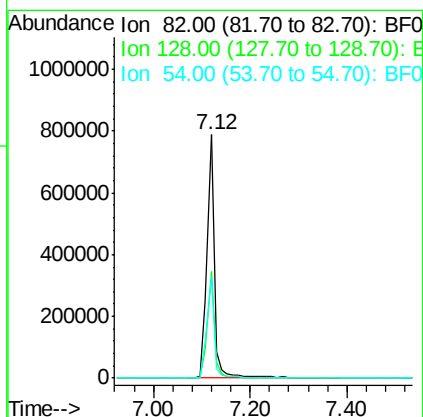
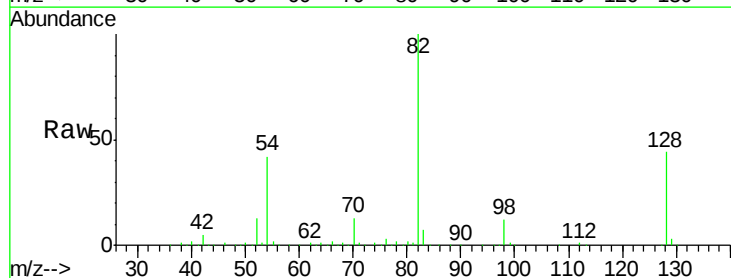
Instrument :
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ClientSampleId :
NC-TS-004

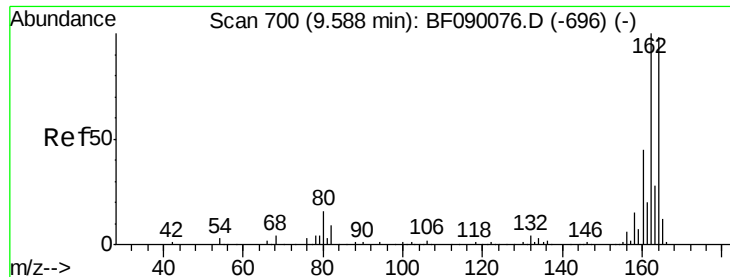
Tgt Ion:	136	Resp:	656807
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	5.6	6.4	9.6#
68	5.8	6.3	9.5#



#23
Nitrobenzene-d5
Concen: 73.06 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.01 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

Tgt Ion:	82	Resp:	853460
Ion	Ratio	Lower	Upper
82	100		
128	43.6	37.5	56.3
54	41.7	31.9	47.9

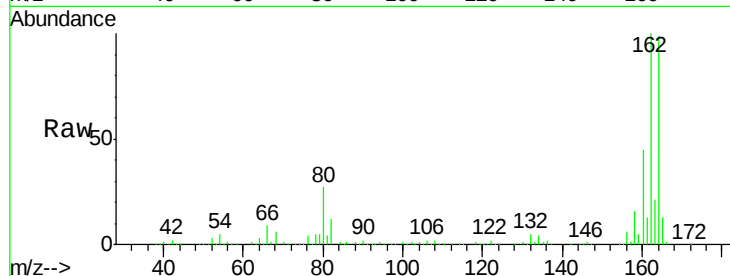




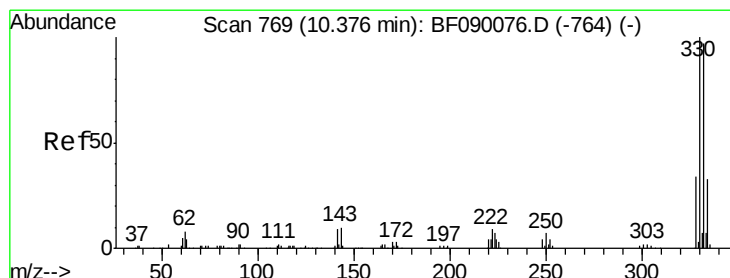
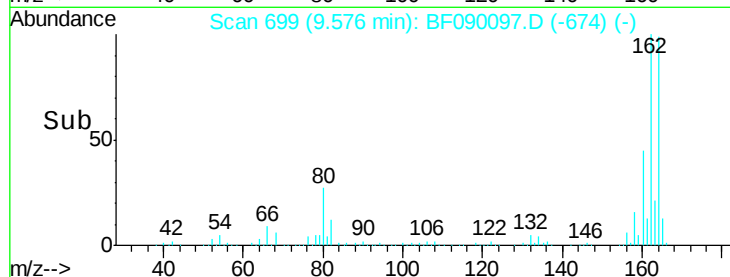
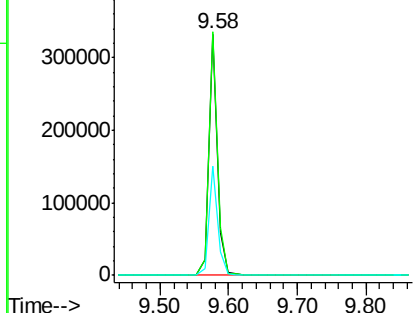
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF090097.D
 Acq: 15 Sep 2016 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-004

Tgt Ion:164 Resp: 289723
 Ion Ratio Lower Upper
 164 100
 162 100.9 81.4 122.2
 160 45.4 36.6 54.8

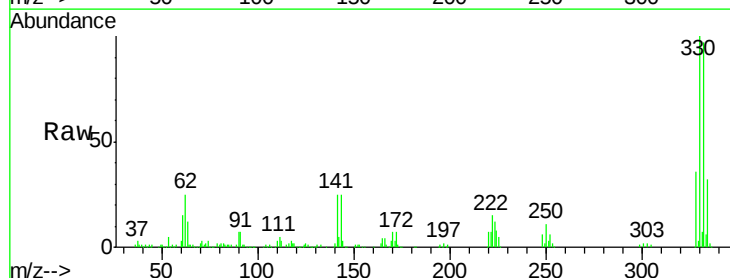


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

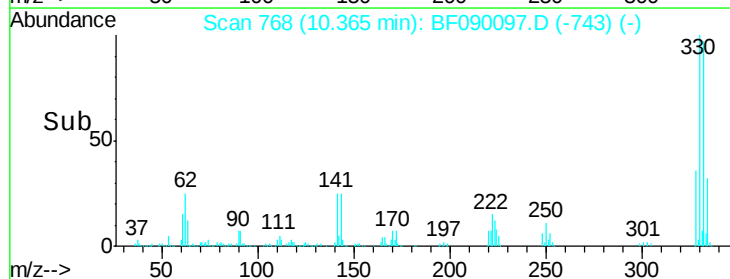
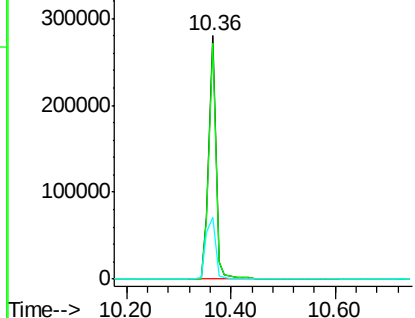


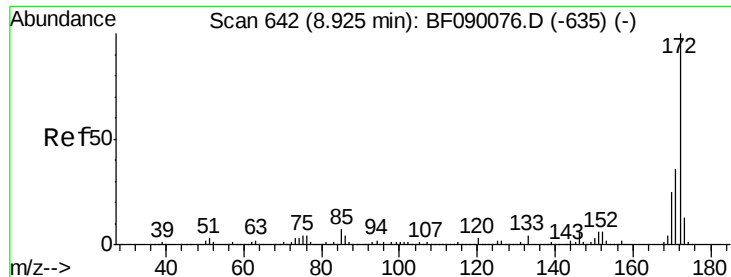
#41
 2,4,6-Tribromophenol
 Concen: 92.99 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF090097.D
 Acq: 15 Sep 2016 17:47

Tgt Ion:330 Resp: 270613
 Ion Ratio Lower Upper
 330 100
 332 96.3 78.1 117.1
 141 34.7 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

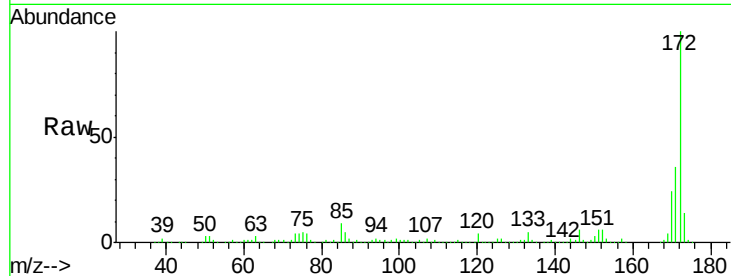




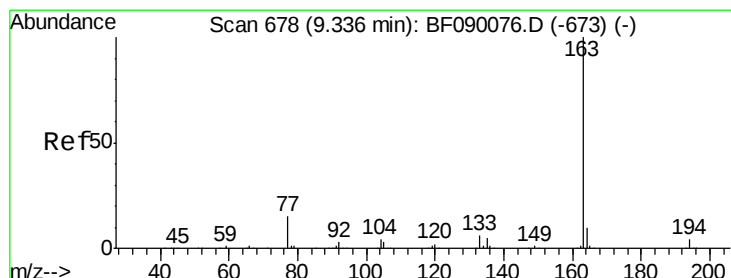
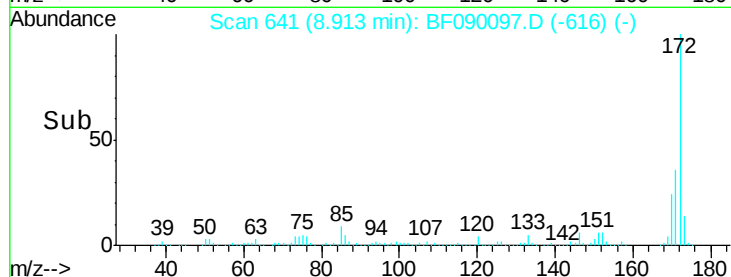
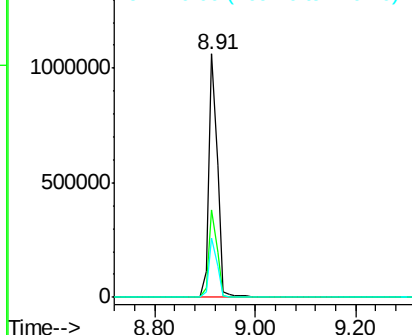
#44
 2-Fluorobiphenyl
 Concen: 68.59 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF090097.D
 Acq: 15 Sep 2016 17:47

Instrument :
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 ClientSampleId :
 NC-TS-004

Tgt Ion:172 Resp: 1265263
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.2 43.8
 170 24.3 19.8 29.8

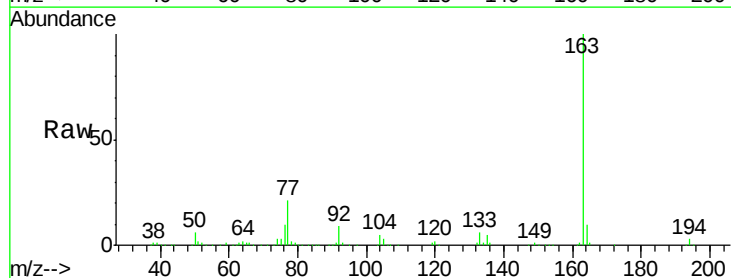


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

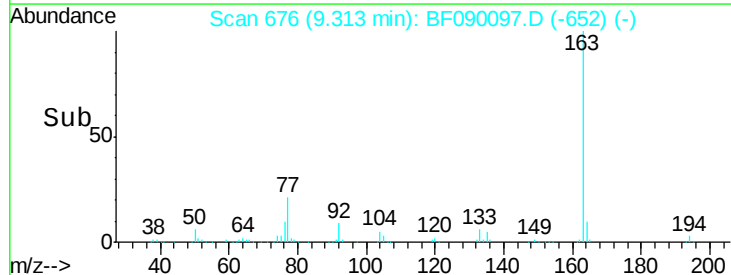
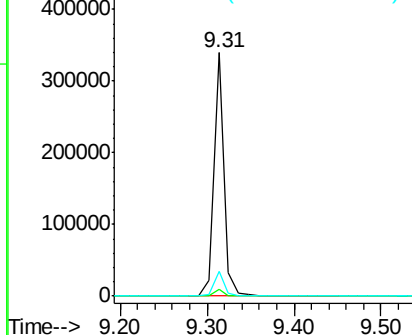


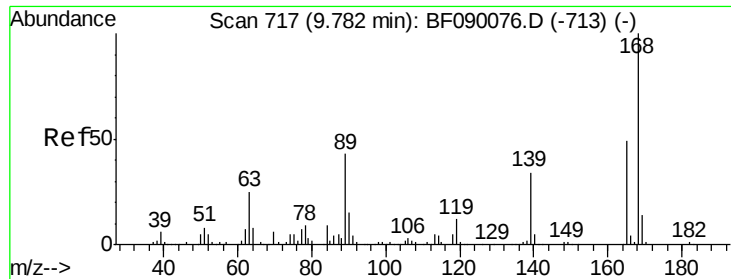
#49
 Dimethylphthalate
 Concen: 12.94 ng
 RT: 9.31 min Scan# 676
 Delta R.T. -0.02 min
 Lab File: BF090097.D
 Acq: 15 Sep 2016 17:47

Tgt Ion:163 Resp: 278518
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 10.0 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

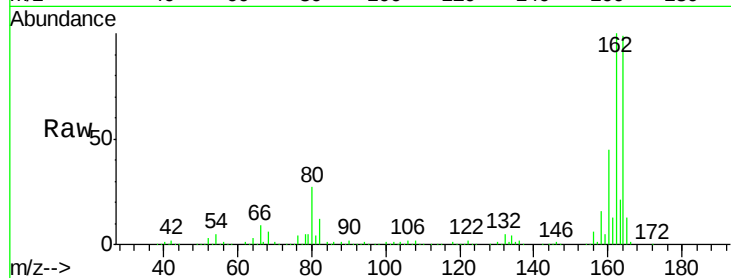




#56
 2,4-Dinitrotoluene
 Concen: 6.31 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.21 min
 Lab File: BF090097.D
 Acq: 15 Sep 2016 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-004

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.4	66.6#
89	1.2	70.1	105.1#
182	0.0	1.7	2.5#

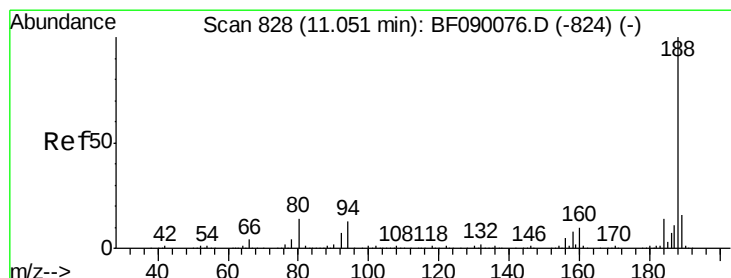
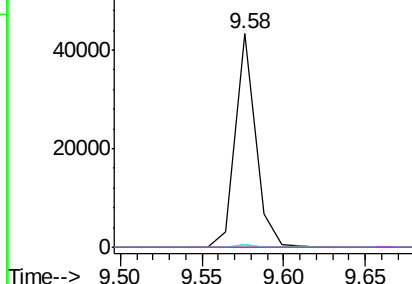
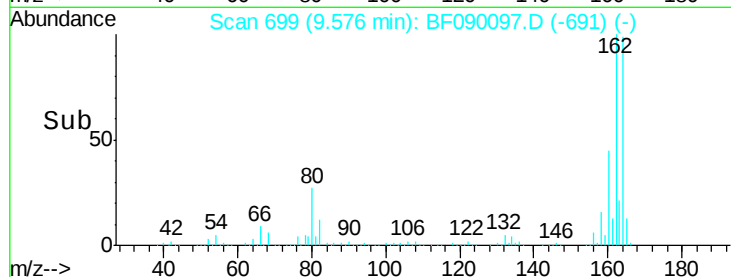


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

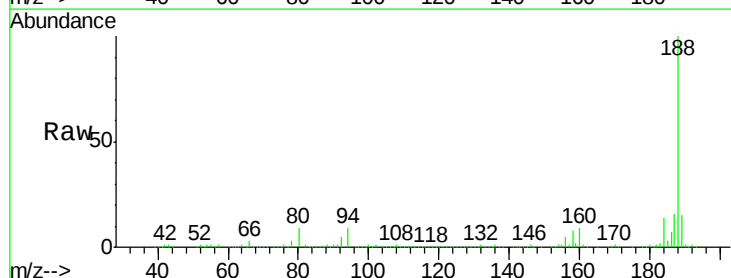
Ion 89.00 (88.70 to 89.70): BF0

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: BF090097.D
 Acq: 15 Sep 2016 17:47

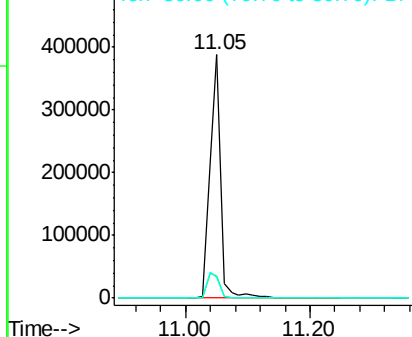
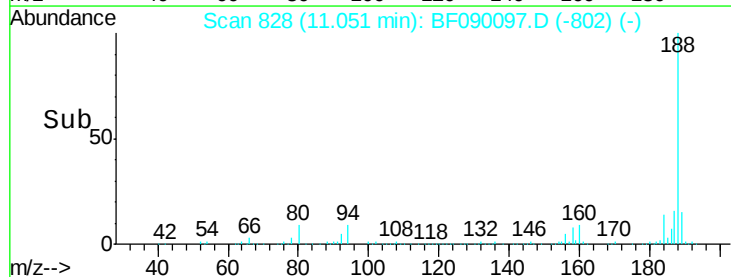
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	10.5	15.7#
80	8.8	11.2	16.8#

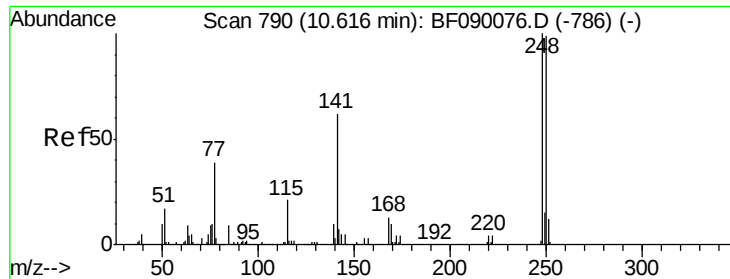


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

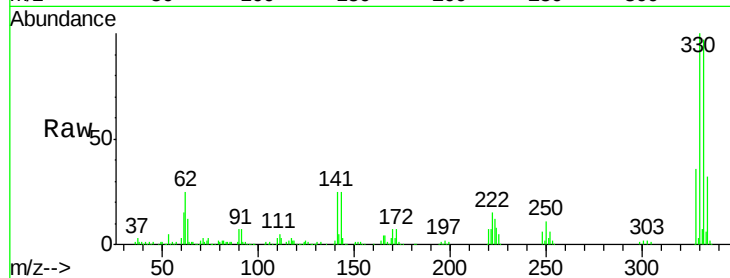




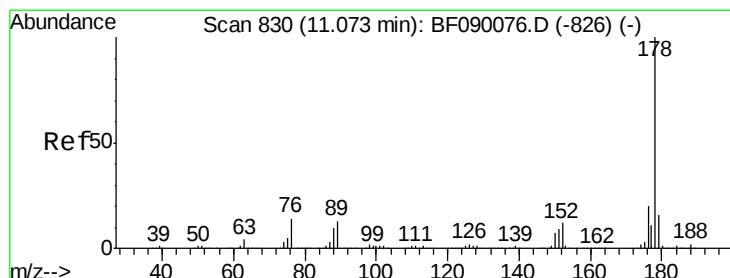
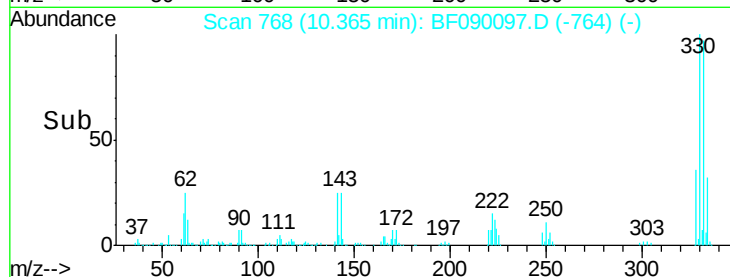
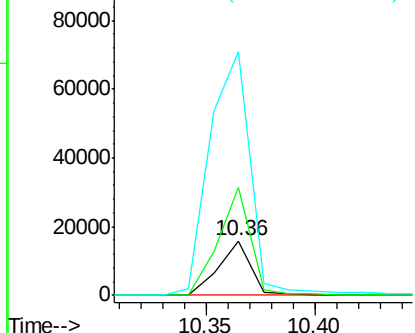
#66
 4-Bromophenyl-phenylether
 Concen: 3.62 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.25 min
 Lab File: BF090097.D
 Acq: 15 Sep 2016 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-004

Tgt Ion: 248 Resp: 16046
 Ion Ratio Lower Upper
 248 100
 250 197.4 79.4 119.2#
 141 446.2 49.3 73.9#

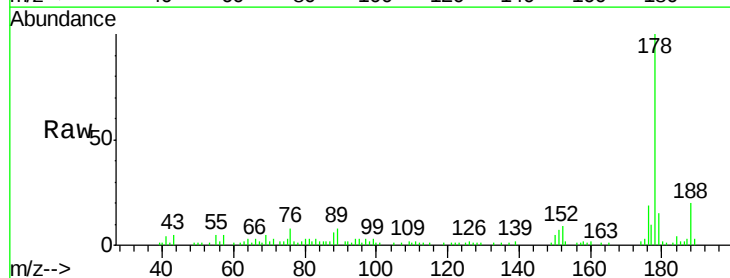


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

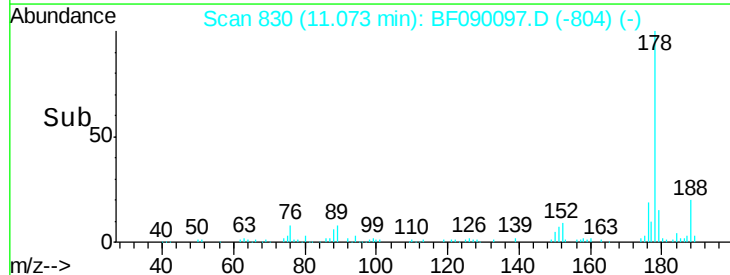
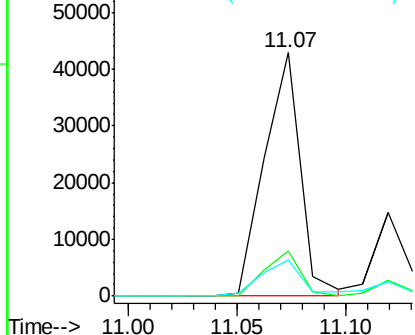


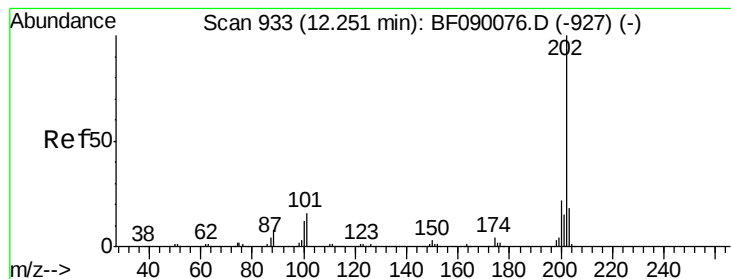
#70
 Phenanthrene
 Concen: 2.23 ng
 RT: 11.07 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BF090097.D
 Acq: 15 Sep 2016 17:47

Tgt Ion: 178 Resp: 49556
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.9 23.9
 179 14.8 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: 4.16 ng

RT: 12.24 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Instrument :

BNA_F

ClientSampleId :

NC-TS-004

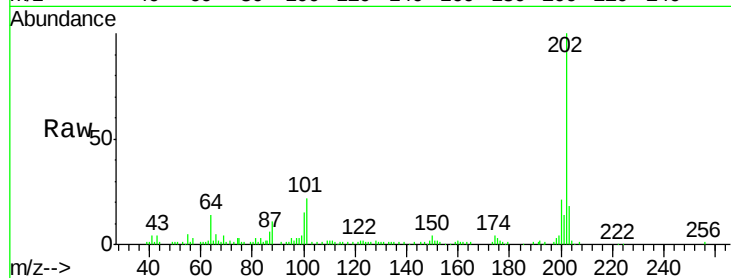
Tgt Ion:202 Resp: 96861

Ion Ratio Lower Upper

202 100

101 22.2 0.0 36.1

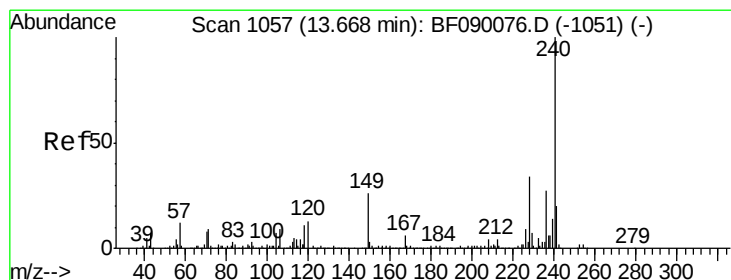
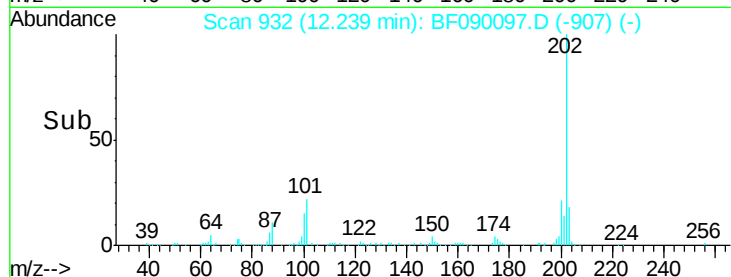
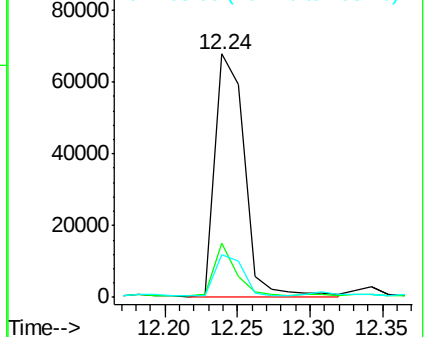
203 17.6 0.0 38.2



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: BF090097.D

Acq: 15 Sep 2016 17:47

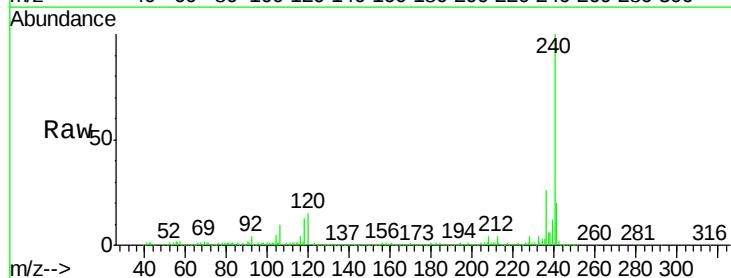
Tgt Ion:240 Resp: 341063

Ion Ratio Lower Upper

240 100

120 15.1 10.6 16.0

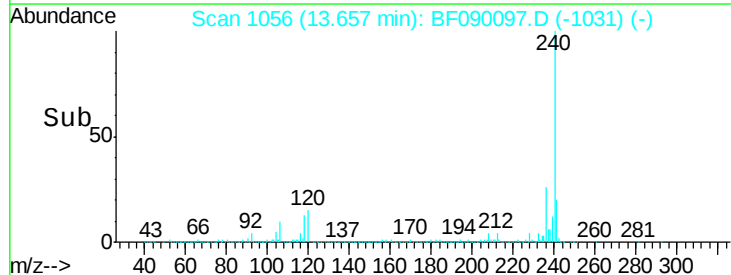
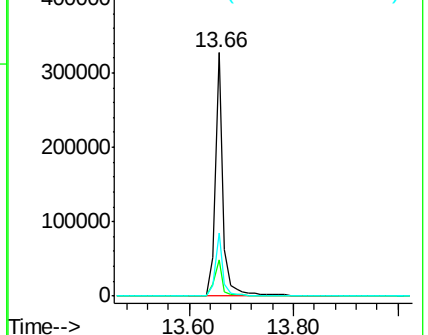
236 26.2 21.6 32.4

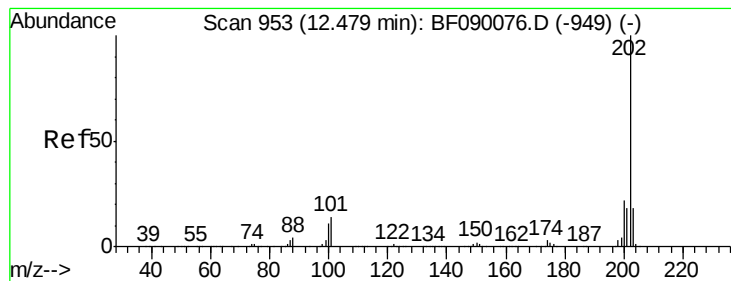


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.88 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Instrument :

BNA_F

ClientSampleId :

NC-TS-004

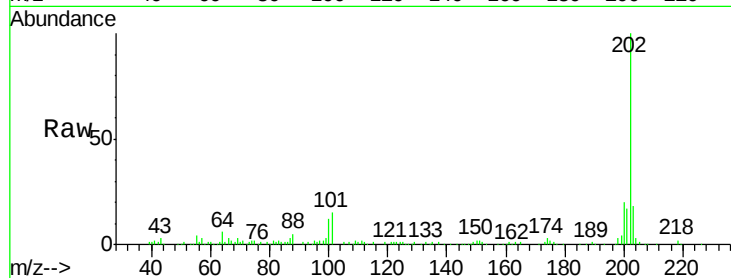
Tgt Ion: 202 Resp: 96592

Ion Ratio Lower Upper

202 100

200 20.3 17.9 26.9

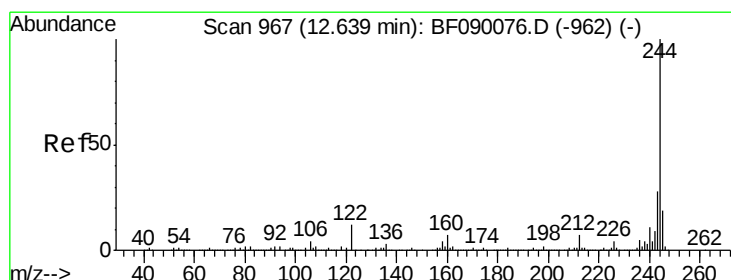
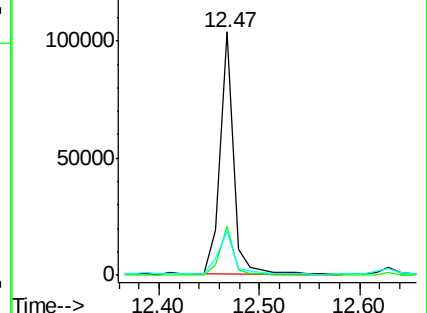
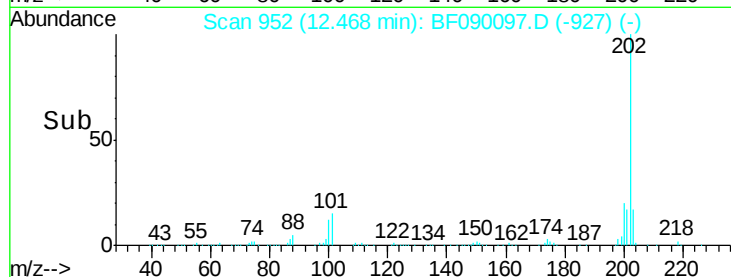
203 17.8 14.2 21.4



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: 50.85 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

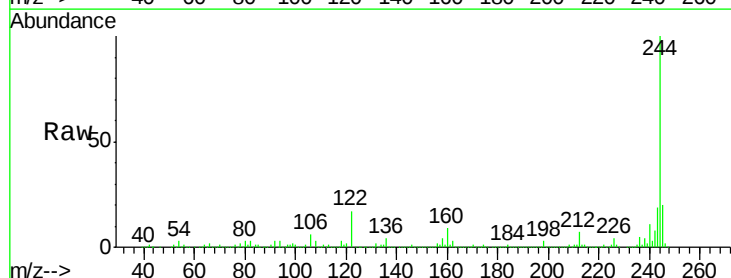
Tgt Ion: 244 Resp: 730370

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

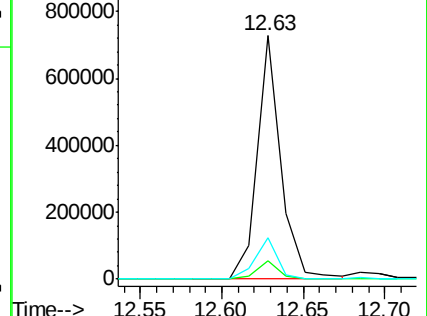
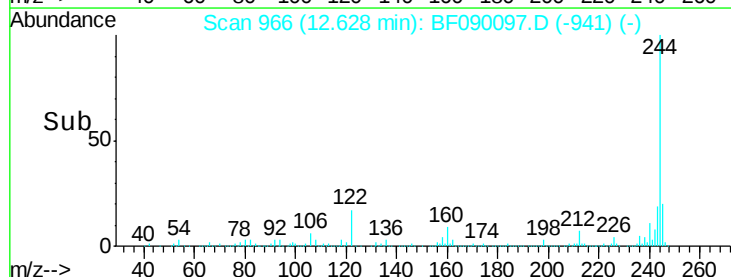
122 17.1 9.4 14.0#

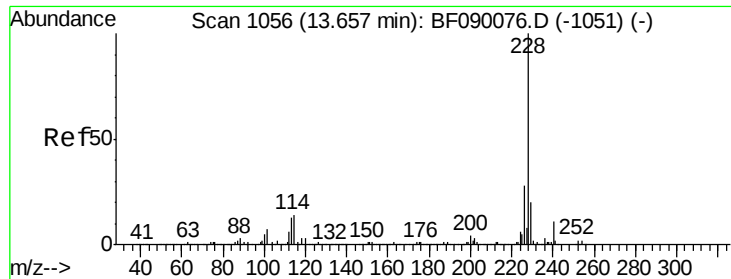


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.82 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

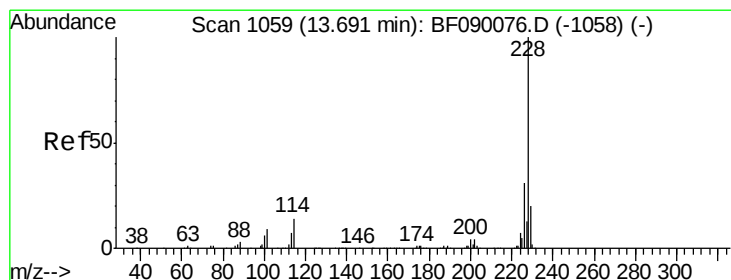
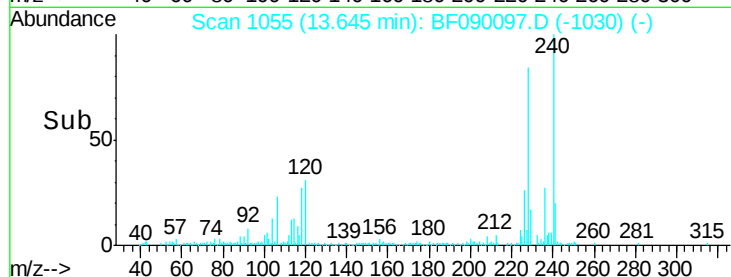
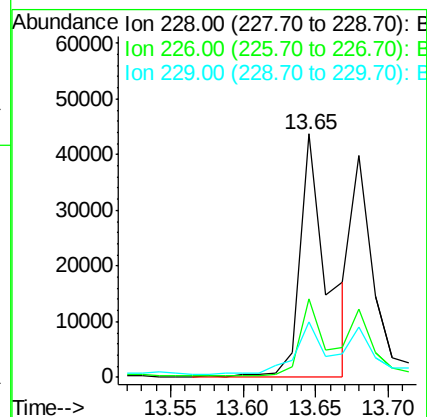
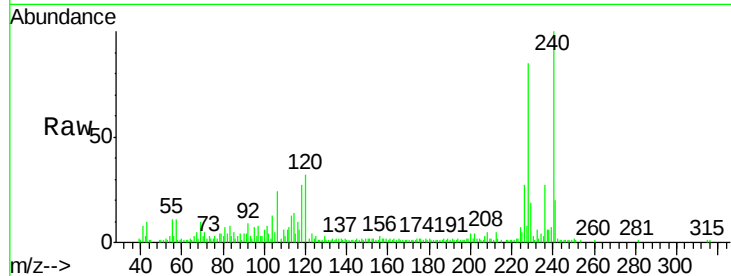
Instrument :

BNA_F

ClientSampleId :

NC-TS-004

Tgt Ion:	228	Resp:	56197
Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.0	33.0
229	22.6	16.2	24.2



#82

Chrysene

Concen: 3.01 ng

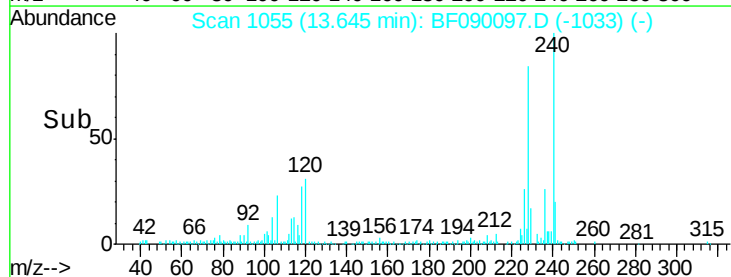
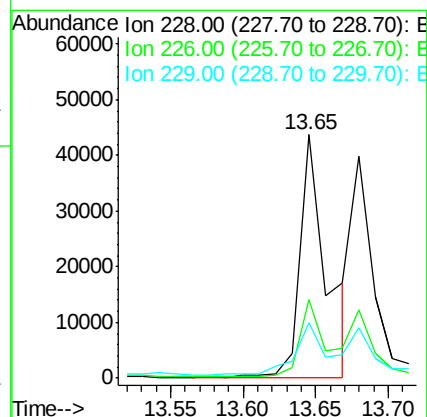
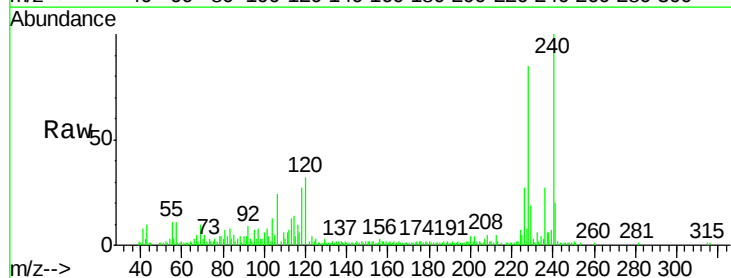
RT: 13.65 min Scan# 1055

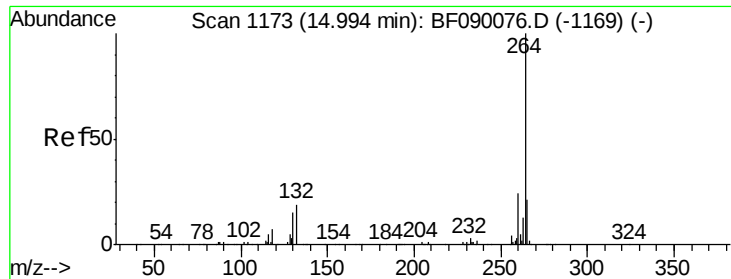
Delta R.T. -0.04 min

Lab File: BF090097.D

Acq: 15 Sep 2016 17:47

Tgt Ion:	228	Resp:	56197
Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.6	37.0
229	22.6	16.2	24.4



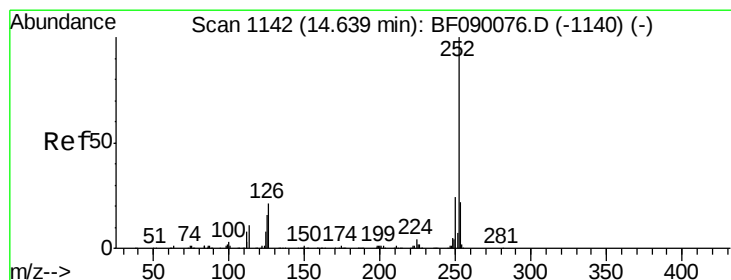
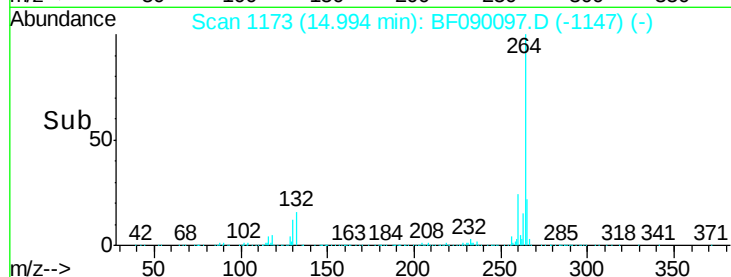
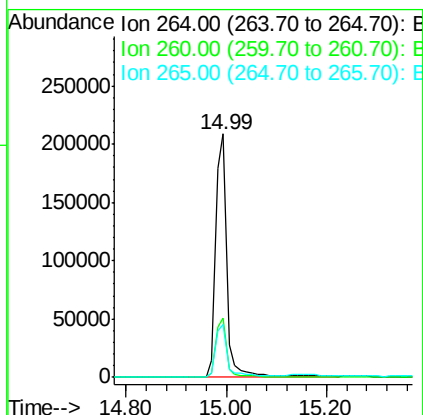
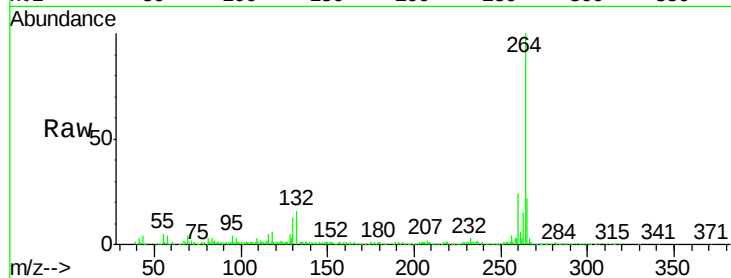


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.99 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

Instrument :
BNA_F
ClientSampleId :
NC-TS-004

Tgt Ion: 264 Resp: 321881

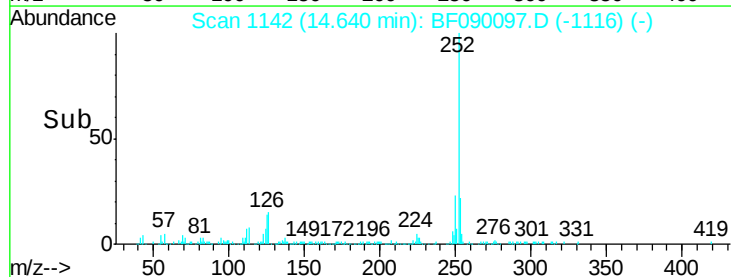
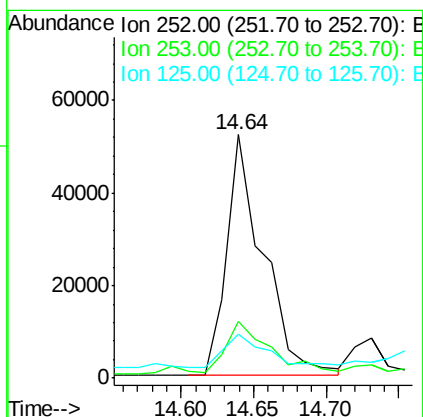
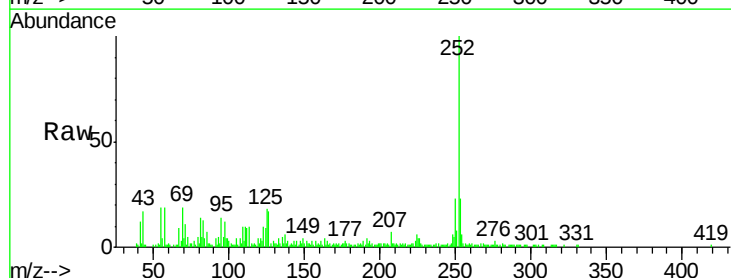
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.9	17.0	25.4

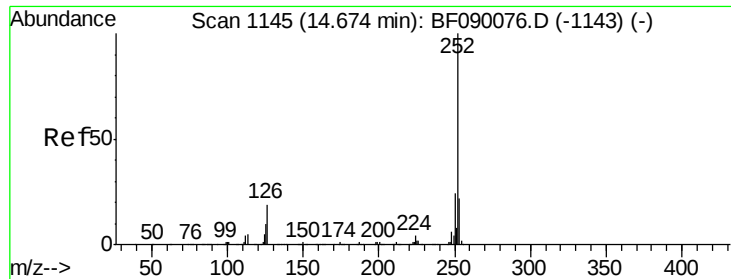


#87
Benzo(b)fluoranthene
Concen: 4.83 ng
RT: 14.64 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

Tgt Ion: 252 Resp: 91202

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	17.9	12.7	19.1

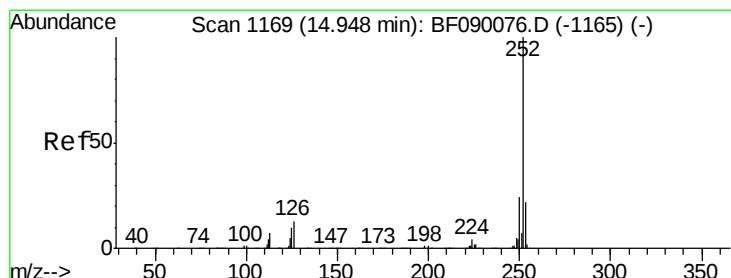
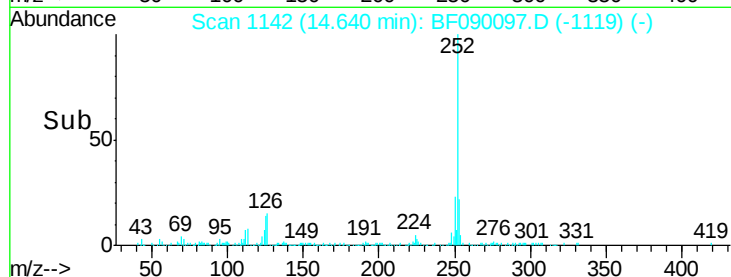
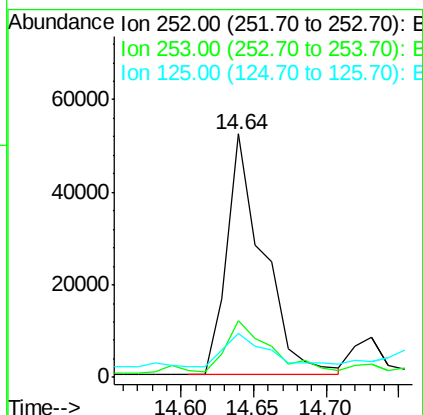
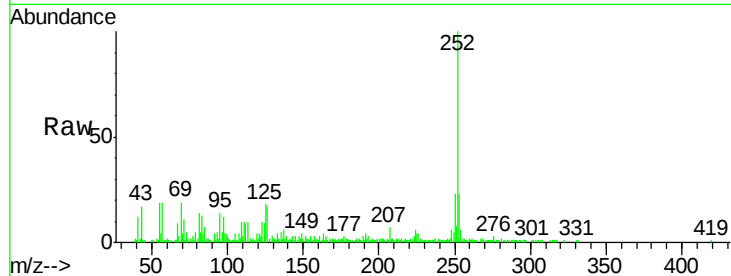




#88
Benzo(k)fluoranthene
Concen: 5.37 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.03 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

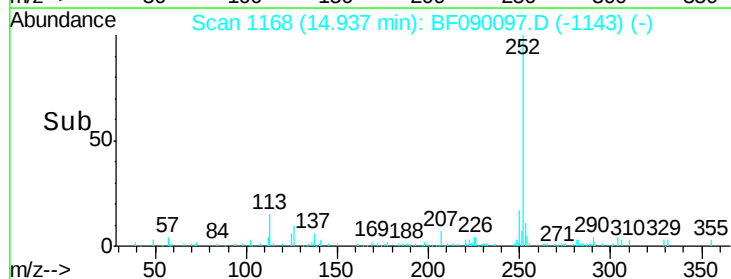
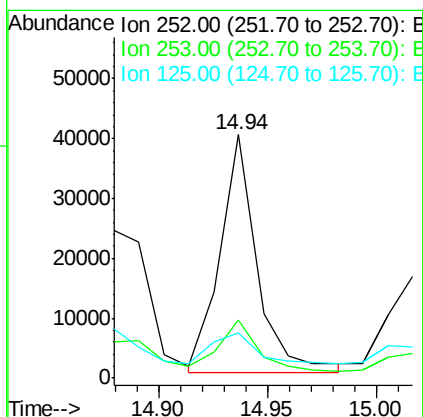
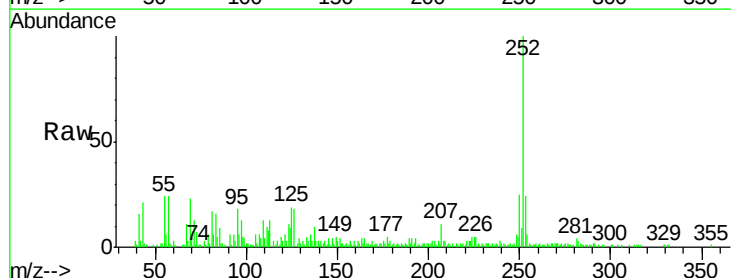
Instrument :
BNA_F
ClientSampleId :
NC-TS-004

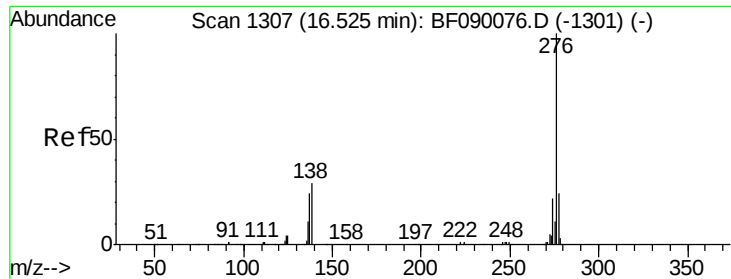
Tgt Ion: 252 Resp: 91202
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 17.9 7.8 11.6#



#89
Benzo(a)pyrene
Concen: 2.78 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF090097.D
Acq: 15 Sep 2016 17:47

Tgt Ion: 252 Resp: 47045
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 18.7 7.7 11.5#





#91
 Benzo(g,h,i)perylene
 Concen: 2.11 ng
 RT: 16.51 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BF090097.D
 Acq: 15 Sep 2016 17:47

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-004

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	30.2	23.3	34.9

