

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042617\
 Data File : BF094661.D
 Acq On : 26 Apr 2017 21:44
 Operator : SJ/MA
 Sample : I2824-06 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 01:26:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

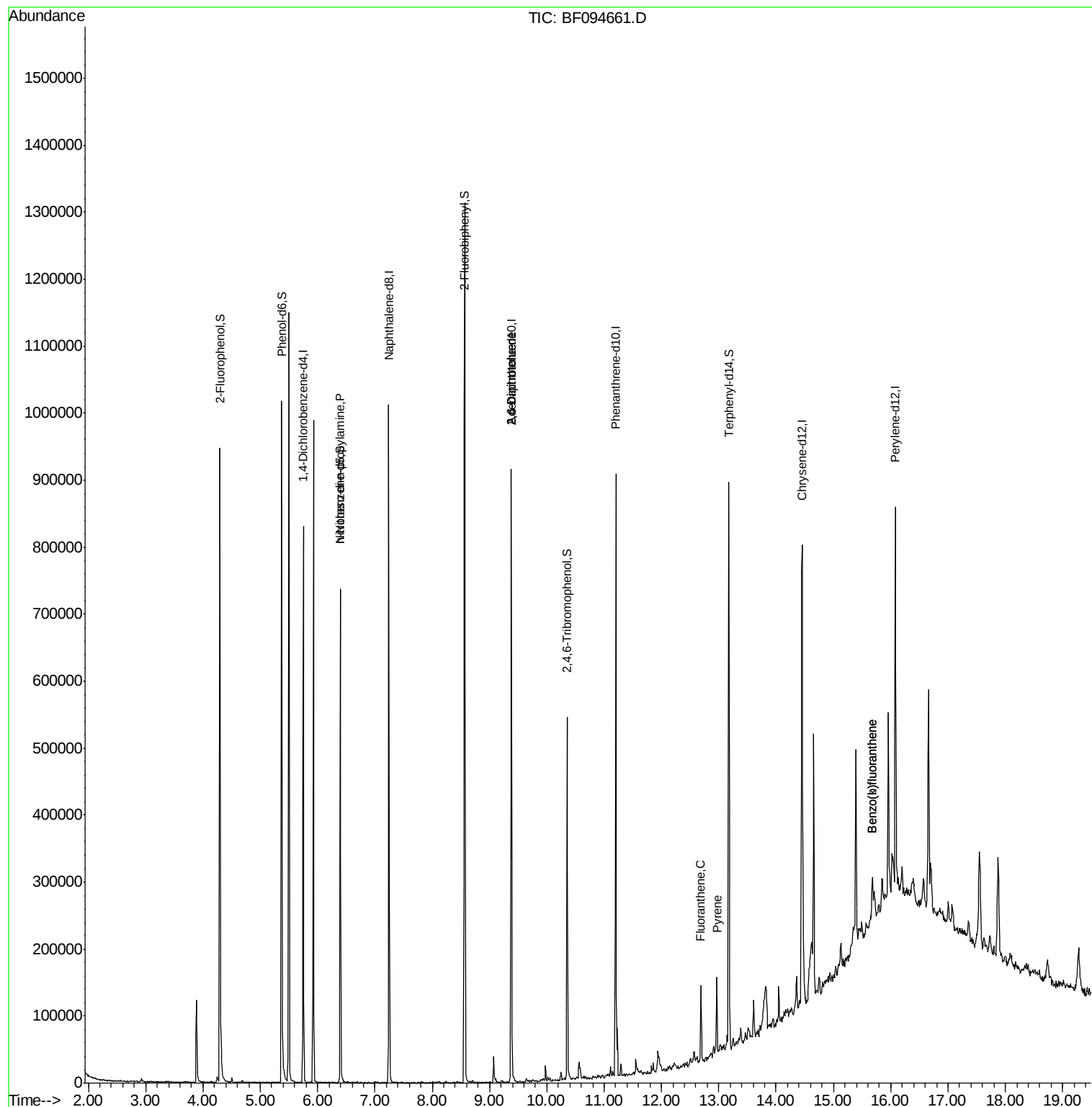
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	125641	20.00	ng	-0.01
21) Naphthalene-d8	7.24	136	502683	20.00	ng	-0.02
38) Acenaphthene-d10	9.38	164	213156	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	351855	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	268188	20.00	ng	-0.01
86) Perylene-d12	16.08	264	226517	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	310434	40.99	ng	0.00
7) Phenol-d6	5.37	99	386914	43.34	ng	-0.02
23) Nitrobenzene-d5	6.40	82	234264	28.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	63531	38.10	ng	-0.02
44) 2-Fluorobiphenyl	8.57	172	436488	30.13	ng	-0.02
78) Terphenyl-d14	13.18	244	285368	28.44	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.40	70	29300	4.95	ng	# 78
50) 2,6-Dinitrotoluene	9.38	165	27590	7.74	ng	# 34
56) 2,4-Dinitrotoluene	9.38	165	27590	6.31	ng	# 33
74) Fluoranthene	12.69	202	49858	2.43	ng	98
77) Pyrene	12.97	202	47033	2.51	ng	96
87) Benzo(b)fluoranthene	15.68	252	44678	3.22	ng	# 89
88) Benzo(k)fluoranthene	15.68	252	44678	3.41	ng	# 93

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

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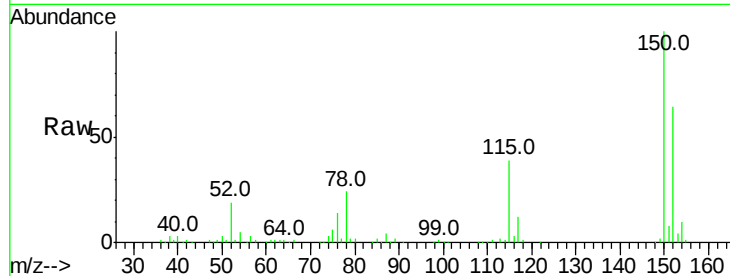


#1

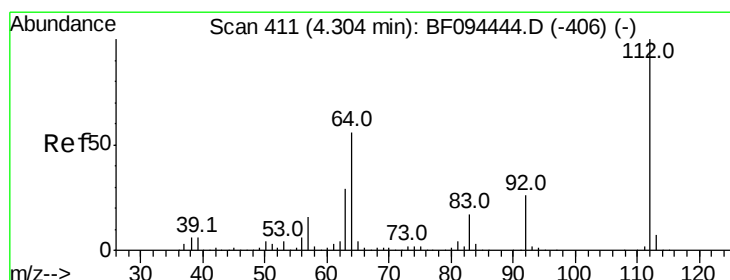
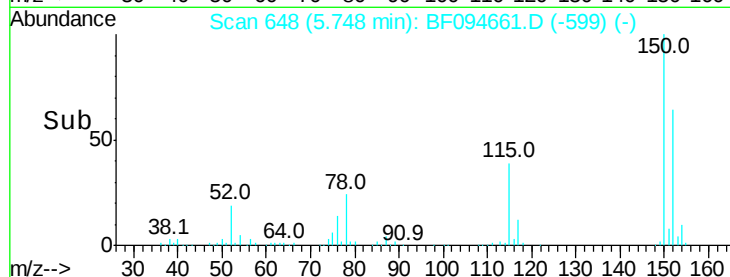
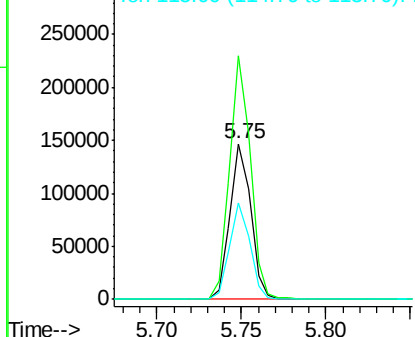
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF094661.D
Acq: 26 Apr 2017 21:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125641
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.2
115 61.6 52.2 78.2



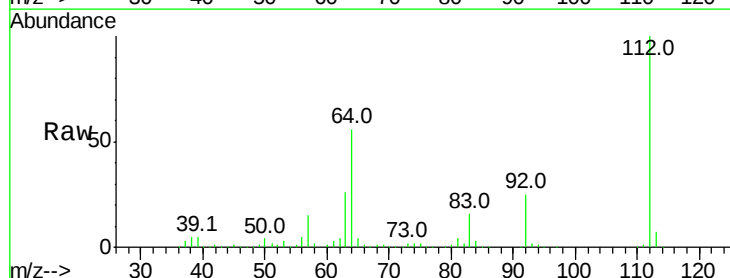
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



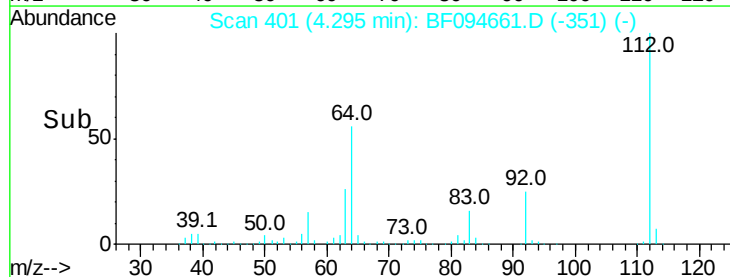
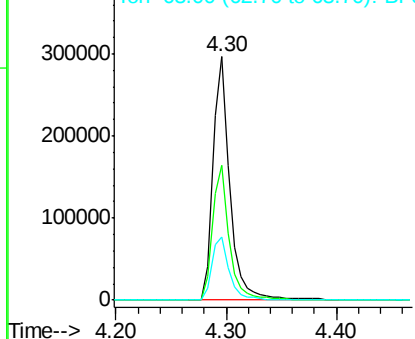
#5

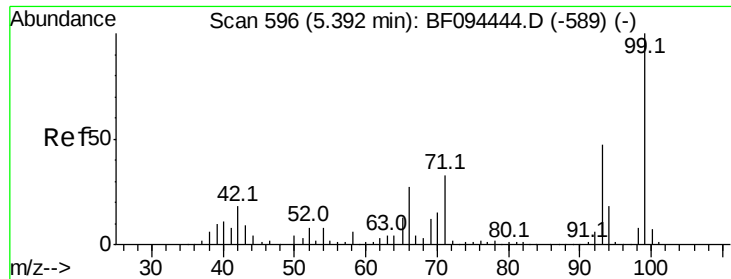
2-Fluorophenol
Concen: 40.99 ng
RT: 4.30 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF094661.D
Acq: 26 Apr 2017 21:44

Tgt Ion:112 Resp: 310434
Ion Ratio Lower Upper
112 100
64 55.6 46.0 69.0
63 26.1 23.4 35.0



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: 43.34 ng

RT: 5.37 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF094661.D

Acq: 26 Apr 2017 21:44

Instrument :

BNA_F

ClientSampleId :

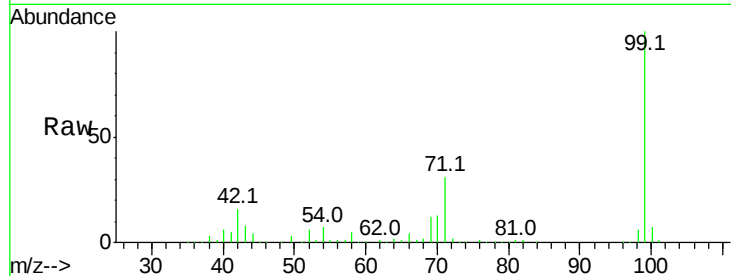
Tot Ion: 99 Resp: 386914

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

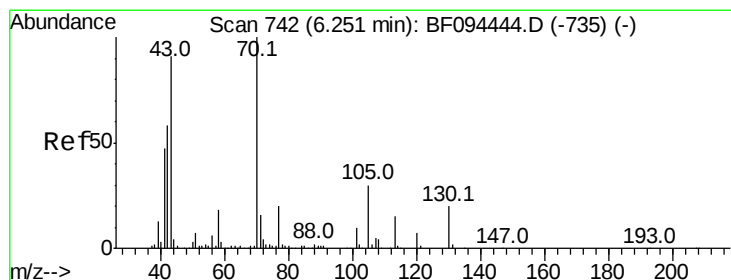
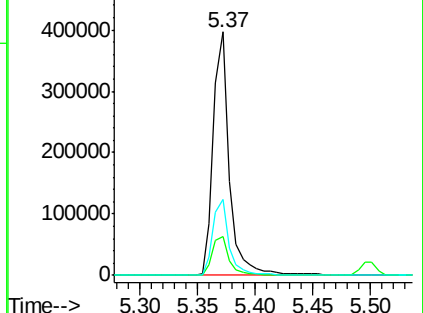
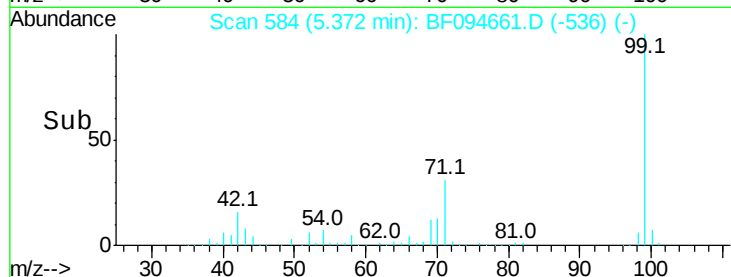
71 31.0 24.5 36.7



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: 4.95 ng

RT: 6.40 min Scan# 758

Delta R.T. 0.14 min

Lab File: BF094661.D

Acq: 26 Apr 2017 21:44

Tgt Ion: 70 Resp: 29300

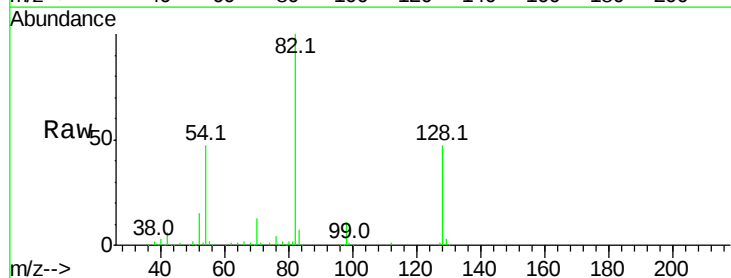
Ion Ratio Lower Upper

70 100

42 46.5 47.2 70.8#

101 0.0 7.2 10.8#

130 3.4 15.9 23.9#

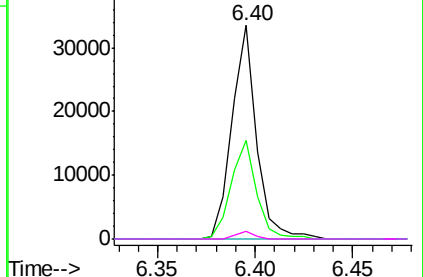
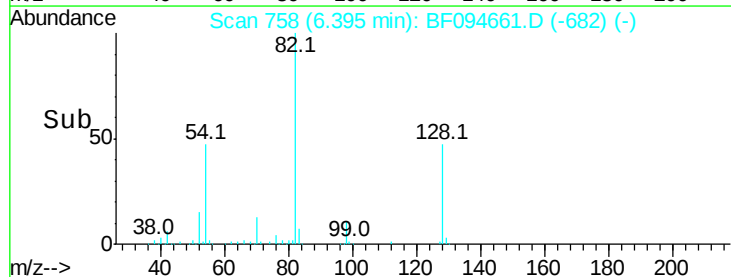


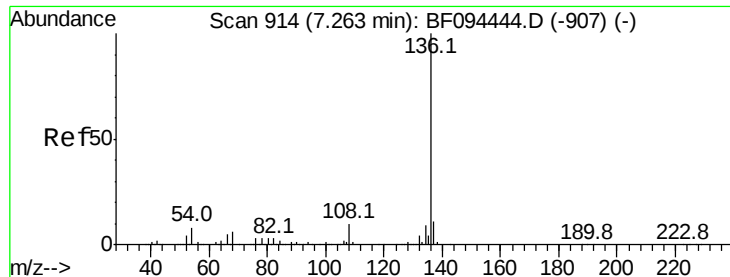
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.24 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF094661.D

Acq: 26 Apr 2017 21:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 502683

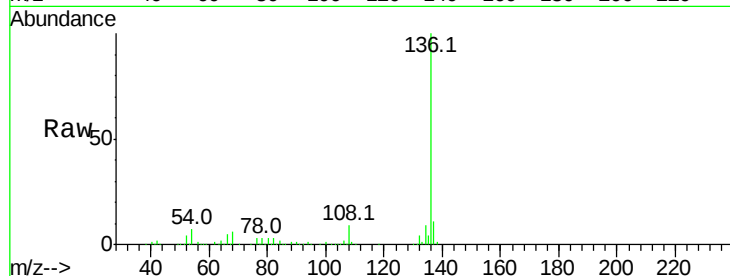
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.2 4.9 7.3

68 6.0 4.1 6.1

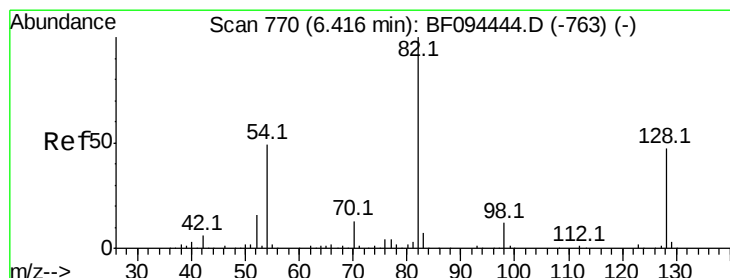
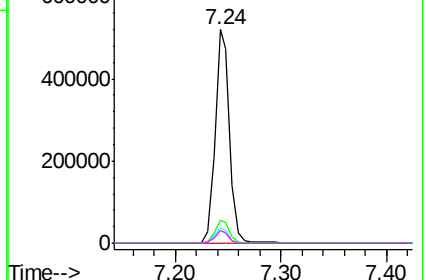
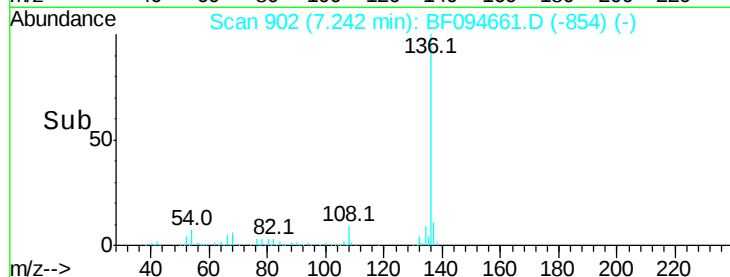


Abundance Ion 136.00 (135.70 to 136.70): E

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: 28.78 ng

RT: 6.40 min Scan# 758

Delta R.T. -0.02 min

Lab File: BF094661.D

Acq: 26 Apr 2017 21:44

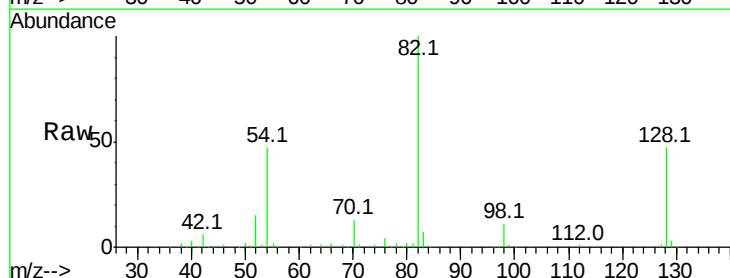
Tgt Ion: 82 Resp: 234264

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

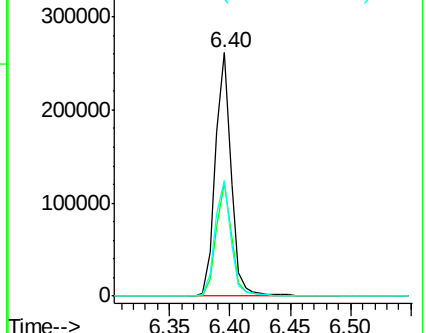
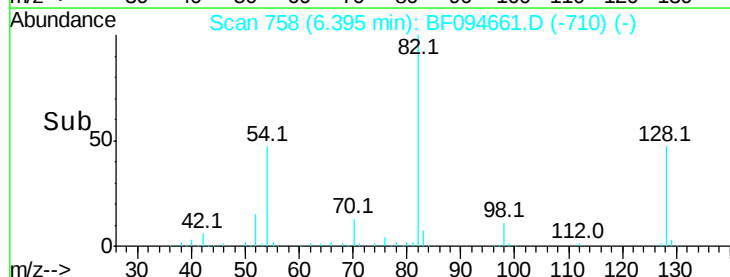
54 47.2 42.2 63.2



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: 9.38 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF094661.D

Acq: 26 Apr 2017 21:44

Instrument :

BNA_F

ClientSampleId :

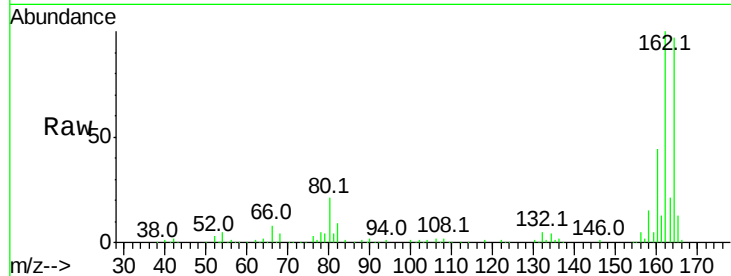
Tot Ion:164 Resp: 213156

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

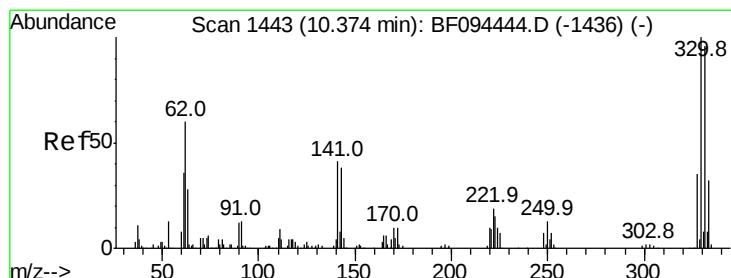
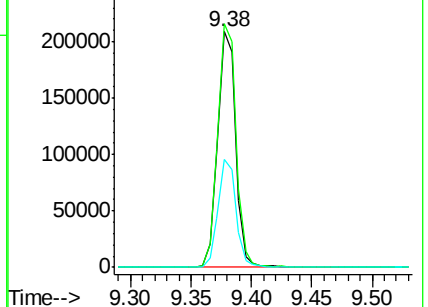
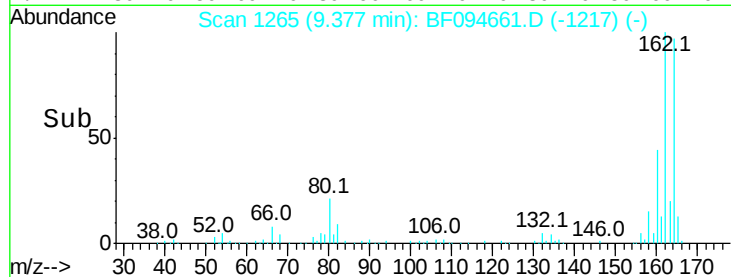
160 45.6 36.2 54.2



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: 38.10 ng

RT: 10.35 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF094661.D

Acq: 26 Apr 2017 21:44

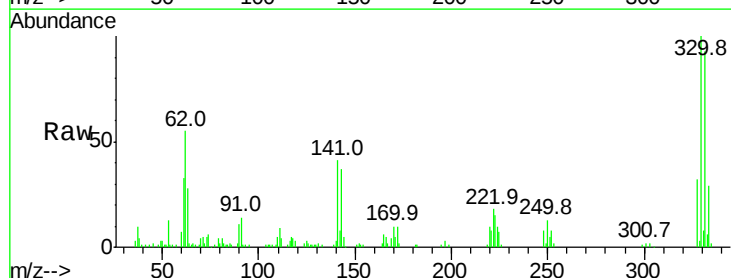
Tgt Ion:330 Resp: 63531

Ion Ratio Lower Upper

330 100

332 94.5 76.6 115.0

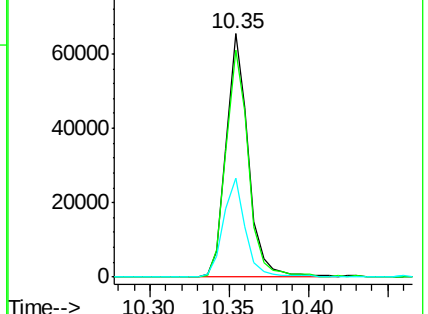
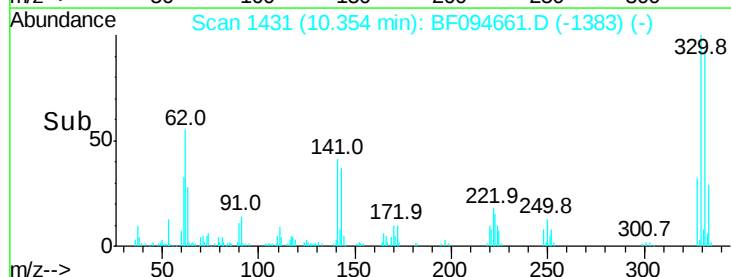
141 40.8 31.4 47.2

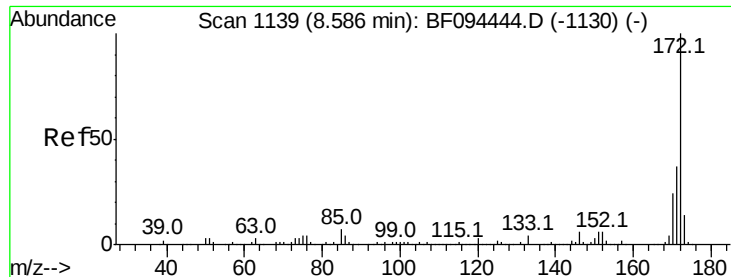


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

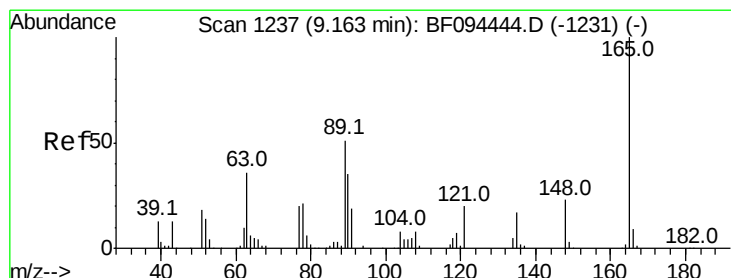
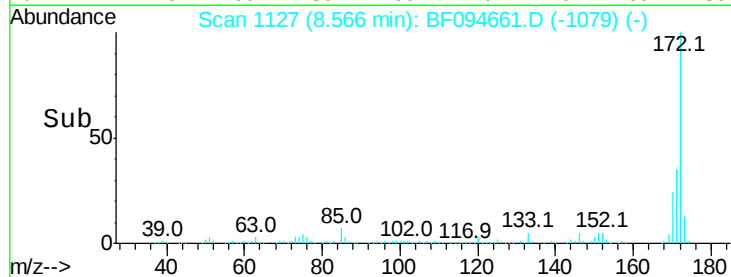
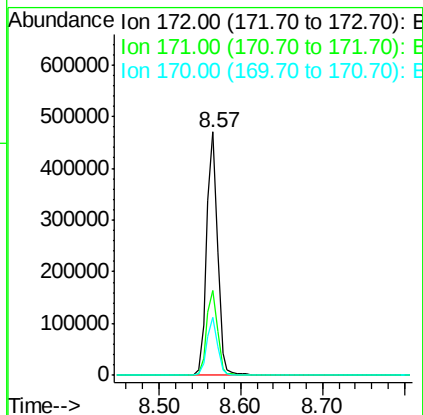
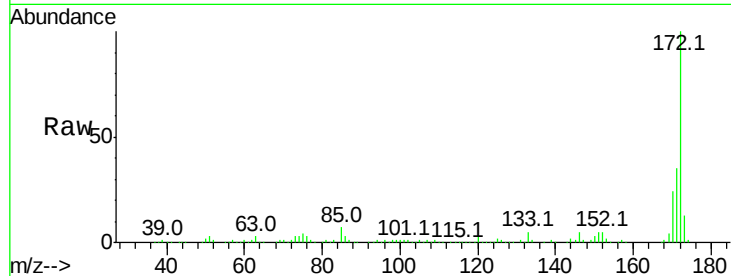




#44
 2-Fluorobiphenyl
 Concen: 30.13 ng
 RT: 8.57 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: BF094661.D
 Acq: 26 Apr 2017 21:44

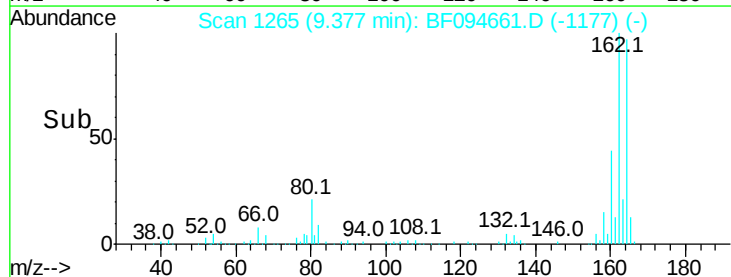
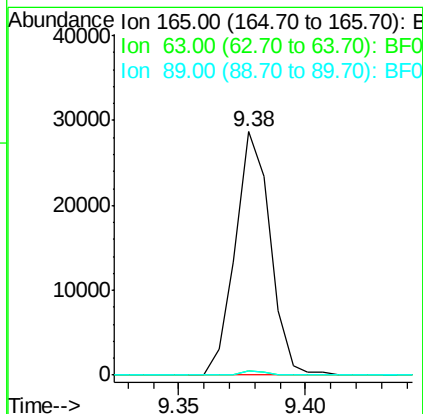
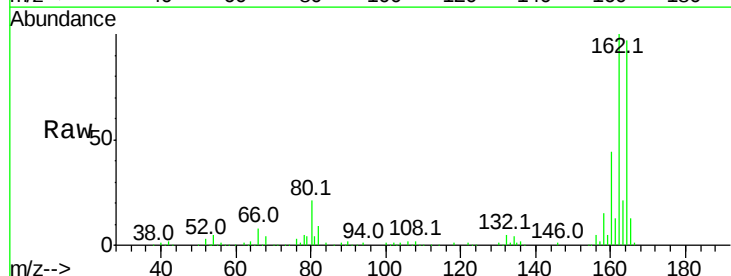
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 436488
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 23.7 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.74 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. 0.21 min
 Lab File: BF094661.D
 Acq: 26 Apr 2017 21:44

Tgt Ion:165 Resp: 27590
 Ion Ratio Lower Upper
 165 100
 63 1.7 34.3 51.5#
 89 1.6 37.1 55.7#

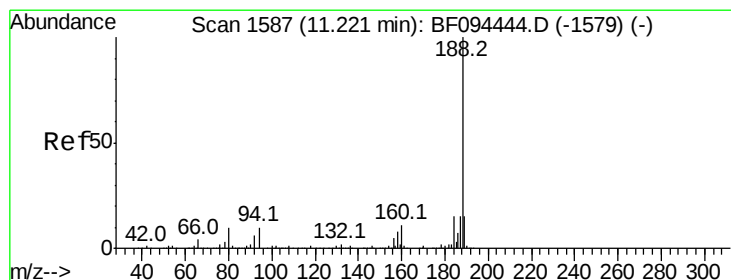
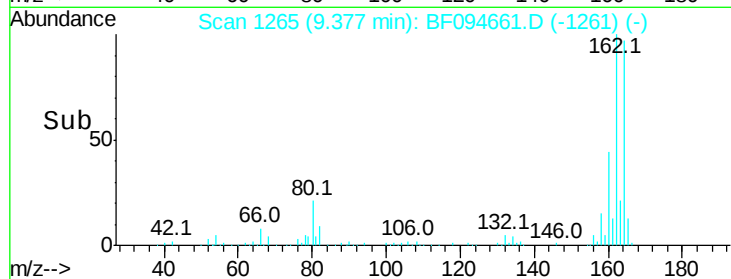
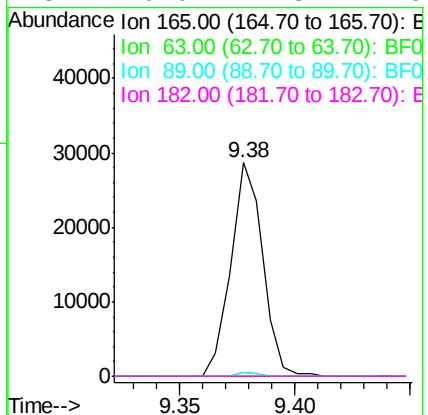
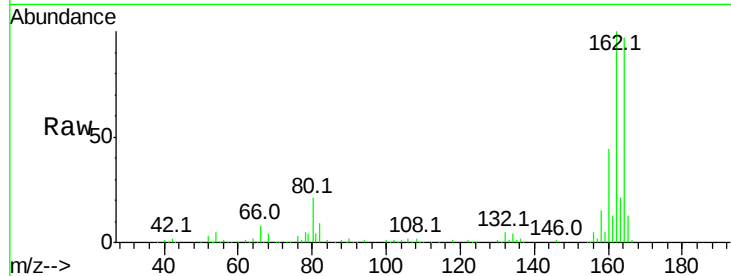




#56
 2,4-Dinitrotoluene
 Concen: 6.31 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.28 min
 Lab File: BF094661.D
 Acq: 26 Apr 2017 21:44

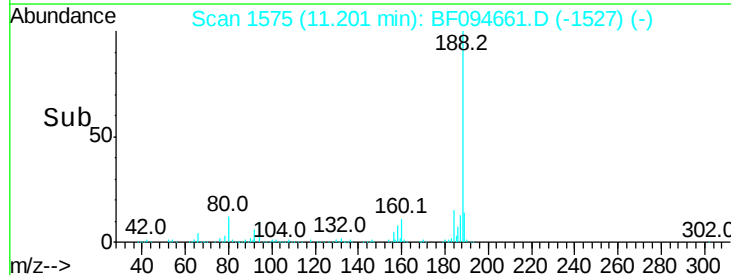
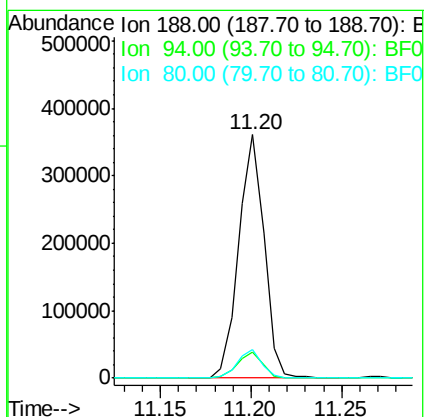
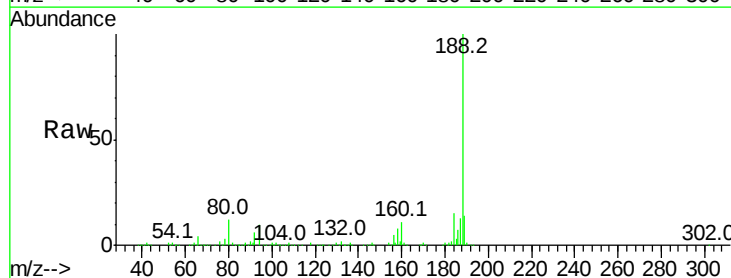
Instrument :
 BNA_F
 ClientSampleId :

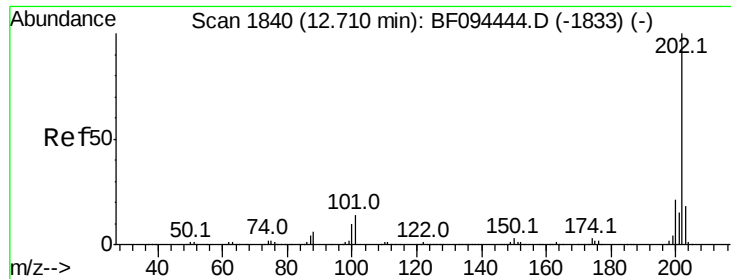
Tot Ion:	165	Resp:	27590
Ion Ratio	Lower	Upper	
165	100		
63	1.7	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094661.D
 Acq: 26 Apr 2017 21:44

Tgt Ion:	188	Resp:	351855
Ion Ratio	Lower	Upper	
188	100		
94	10.5	9.4	14.2
80	11.5	10.2	15.2

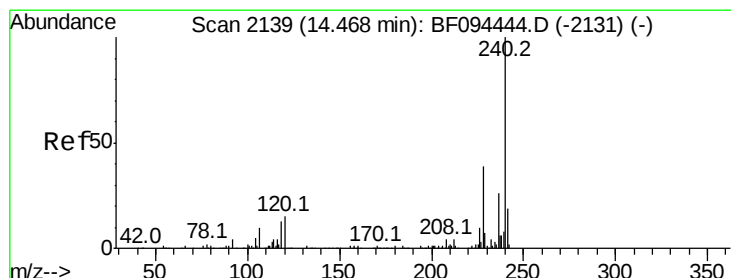
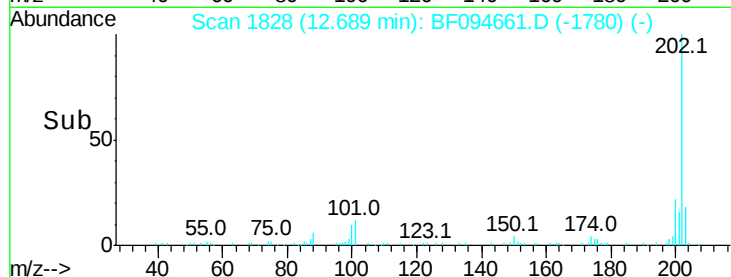
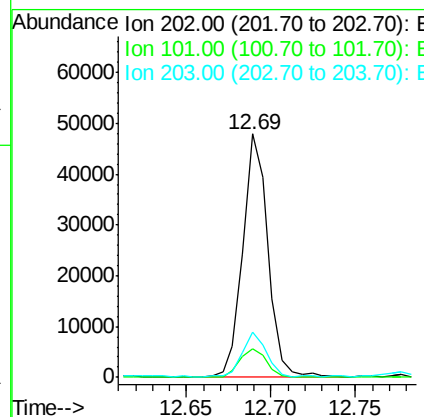
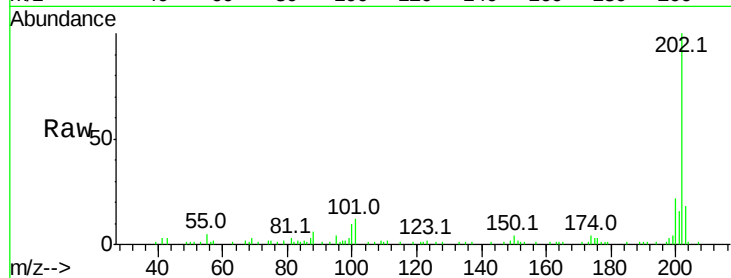




#74
 Fluoranthene
 Concen: 2.43 ng
 RT: 12.69 min Scan# 1828
 Delta R.T. -0.02 min
 Lab File: BF094661.D
 Acq: 26 Apr 2017 21:44

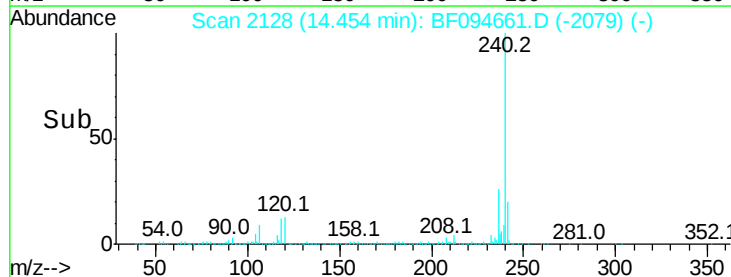
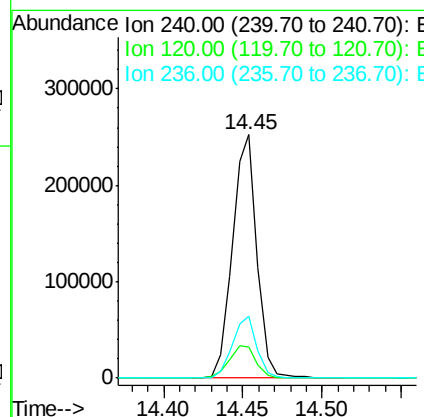
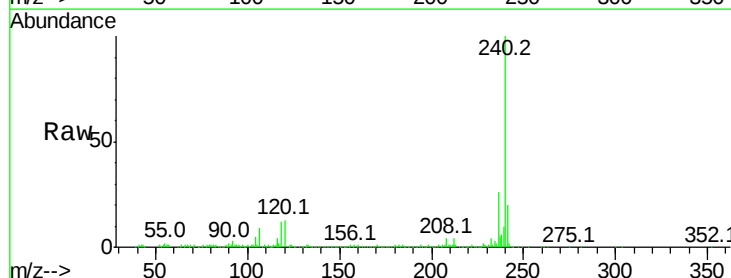
Instrument :
 BNA_F
 ClientSampleId :

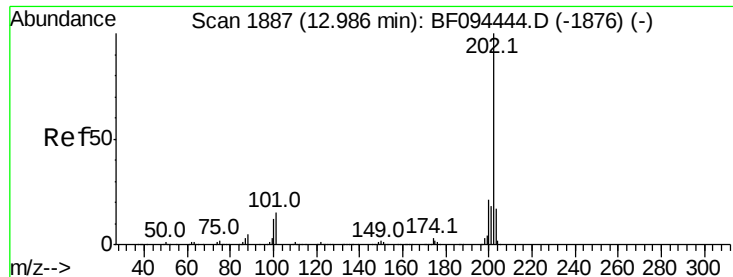
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	33.2
203	18.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.45 min Scan# 2128
 Delta R.T. -0.01 min
 Lab File: BF094661.D
 Acq: 26 Apr 2017 21:44

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.9	5.8	8.8#
236	25.6	20.5	30.7





#77

Pvrene

Concen: 2.51 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BF094661.D

Acq: 26 Apr 2017 21:44

Instrument :

BNA_F

ClientSampleId :

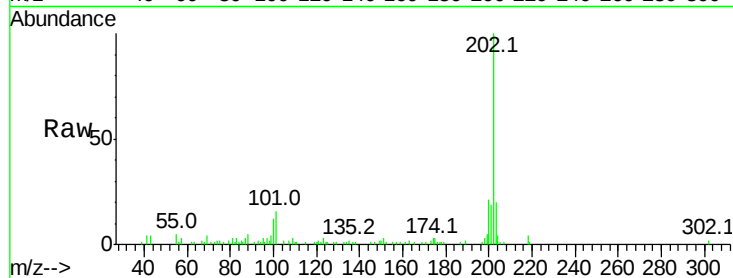
Tot Ion:202 Resp: 47033

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

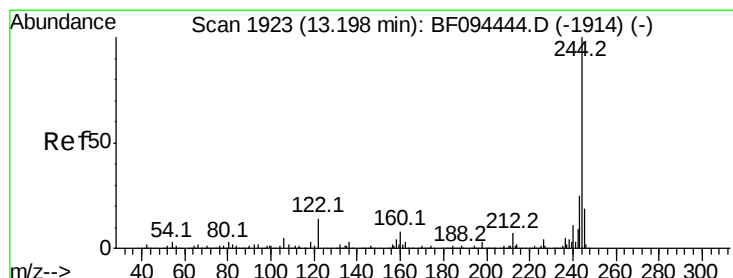
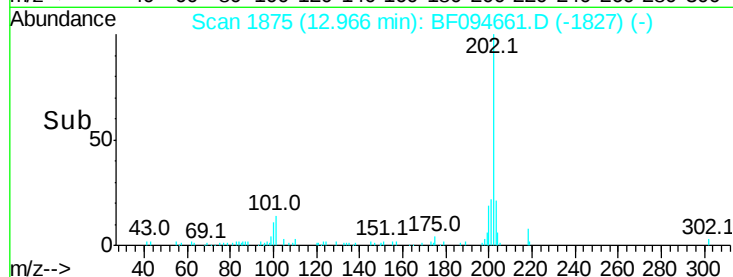
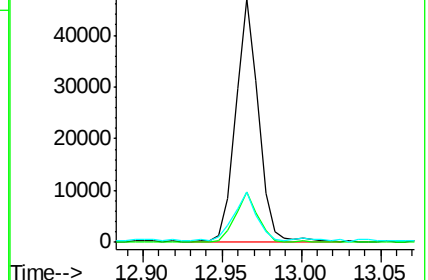
203 20.5 14.4 21.6



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: 28.44 ng

RT: 13.18 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094661.D

Acq: 26 Apr 2017 21:44

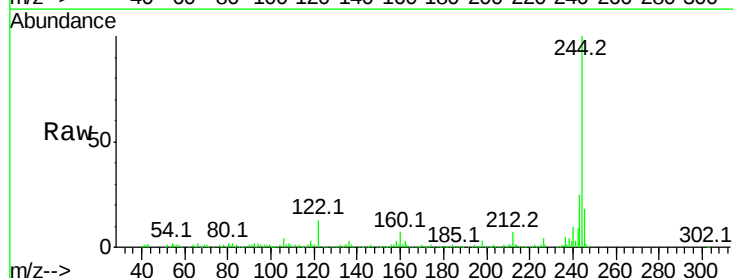
Tgt Ion:244 Resp: 285368

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

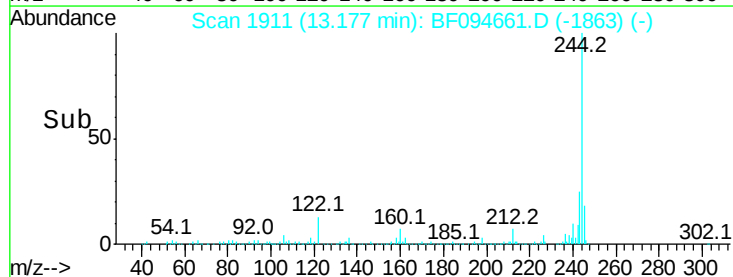
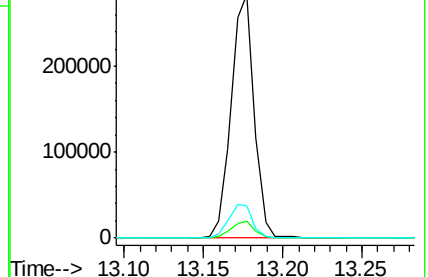
122 13.2 10.3 15.5

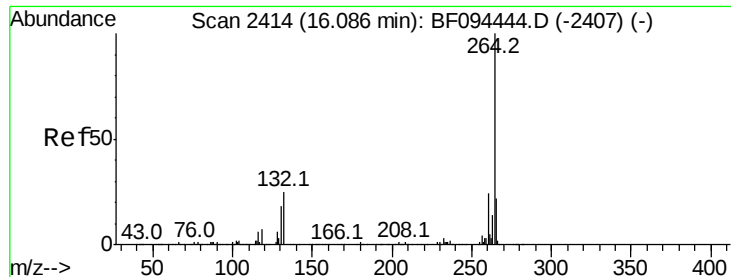


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

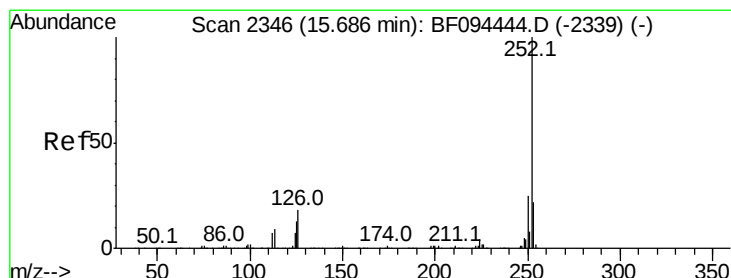
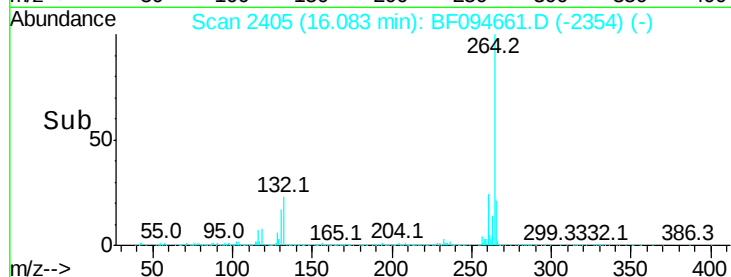
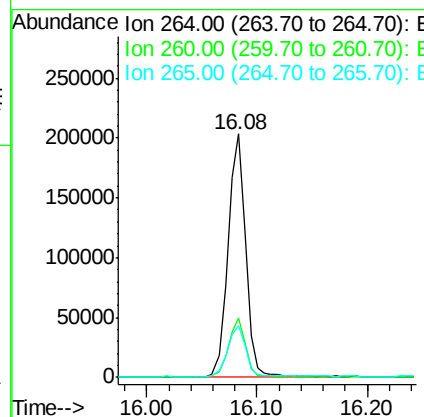
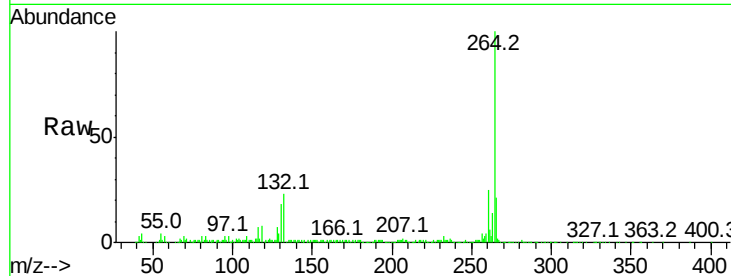




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BF094661.D
Acq: 26 Apr 2017 21:44

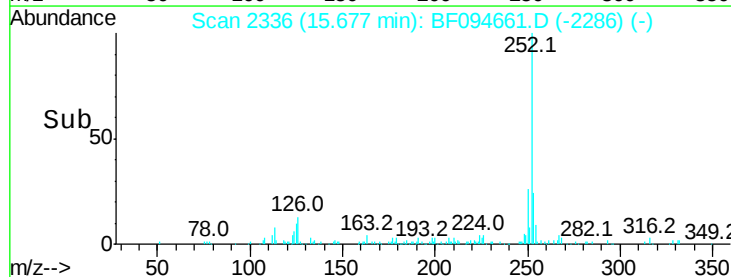
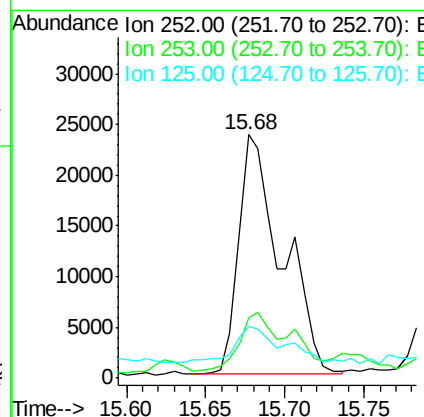
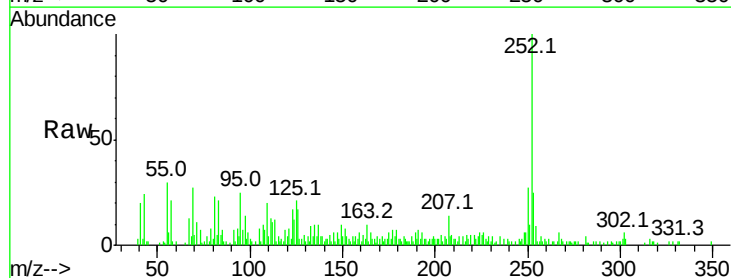
Instrument :
BNA_F
ClientSampleId :

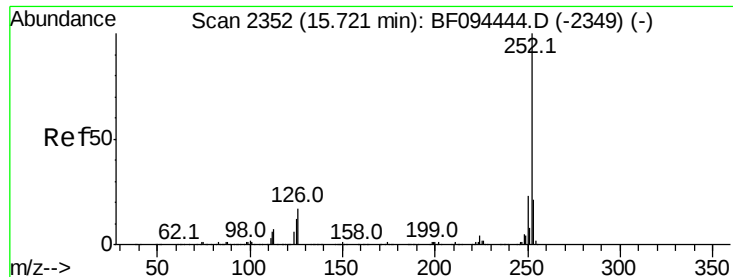
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.0	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.22 ng
RT: 15.68 min Scan# 2336
Delta R.T. -0.01 min
Lab File: BF094661.D
Acq: 26 Apr 2017 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.1	27.1
125	21.2	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 3.41 ng

RT: 15.68 min Scan# 2336

Delta R.T. -0.04 min

Lab File: BF094661.D

Acq: 26 Apr 2017 21:44

Instrument :

BNA_F

ClientSampleId :

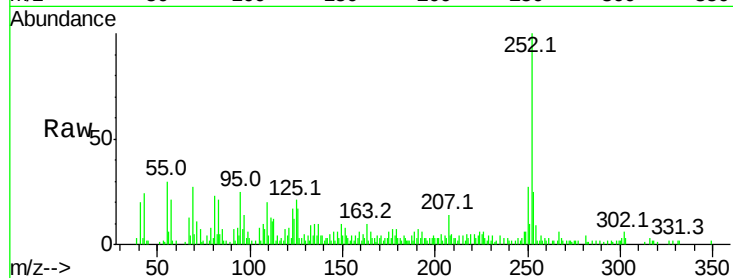
Tot Ion:252 Resp: 44678

Ion Ratio Lower Upper

252 100

253 25.1 18.4 27.6

125 21.2 13.1 19.7#



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

