

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094619.D
 Acq On : 25 Apr 2017 21:33
 Operator : SJ/MA
 Sample : I2783-05RX
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 01:28:12 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

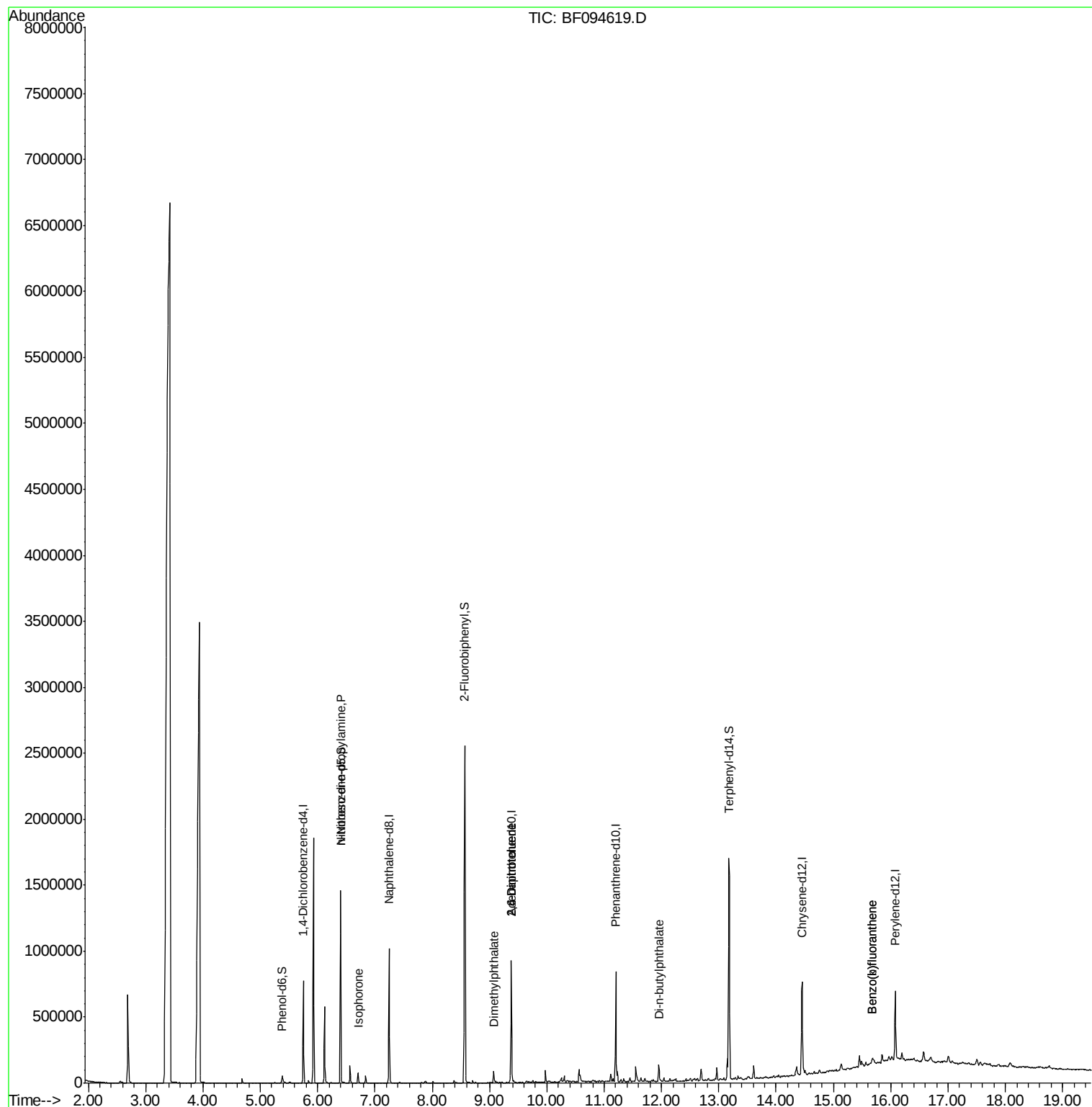
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	130714	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	517816	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	213919	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	330128	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	273196	20.00	ng	-0.01
86) Perylene-d12	16.08	264	219448	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.36	112	230	0.03	ng	0.06
7) Phenol-d6	5.38	99	30751	3.31	ng	0.00
23) Nitrobenzene-d5	6.40	82	480383	57.28	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.57	172	926152	63.70	ng	-0.02
78) Terphenyl-d14	13.18	244	604562	59.15	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.40	70	63910	10.38	ng	# 74
25) Isophorone	6.71	82	37782	2.43	ng	95
49) Dimethylphthalate	9.07	163	42957	2.69	ng	# 97
50) 2,6-Dinitrotoluene	9.38	165	27431	7.67	ng	# 33
56) 2,4-Dinitrotoluene	9.38	165	27431	6.25	ng	# 33
73) Di-n-butylphthalate	11.95	149	64234	3.23	ng	99
87) Benzo(b)fluoranthene	15.68	252	27775	2.07	ng	# 84
88) Benzo(k)fluoranthene	15.68	252	27775	2.19	ng	# 88

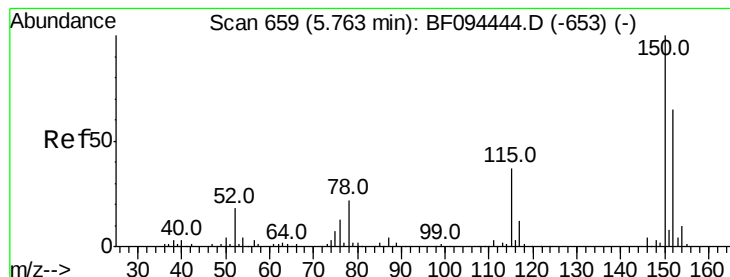
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.75 min Scan# 649

Delta R.T. -0.01 min

Lab File: BF094619.D

Acq: 25 Apr 2017 21:33

Instrument :

BNA_F

ClientSampleId :

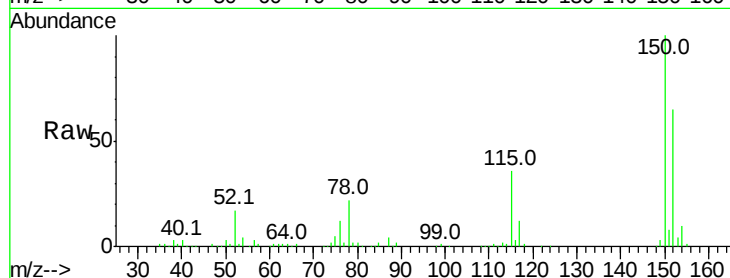
Tot Ion:152 Resp: 130714

Ion Ratio Lower Upper

152 100

150 153.2 126.2 189.2

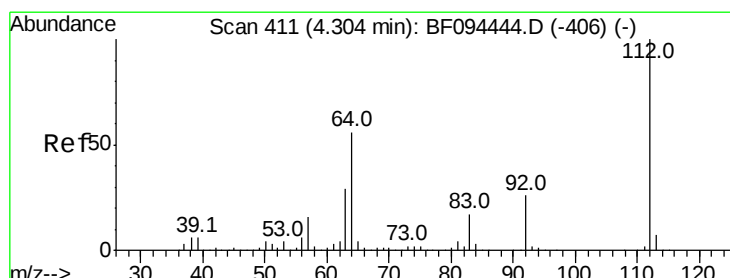
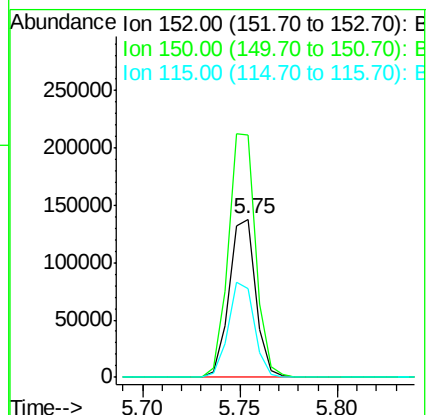
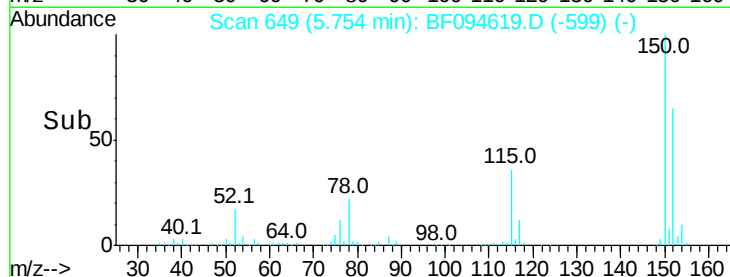
115 55.9 52.2 78.2



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: 0.03 ng

RT: 4.36 min Scan# 412

Delta R.T. 0.06 min

Lab File: BF094619.D

Acq: 25 Apr 2017 21:33

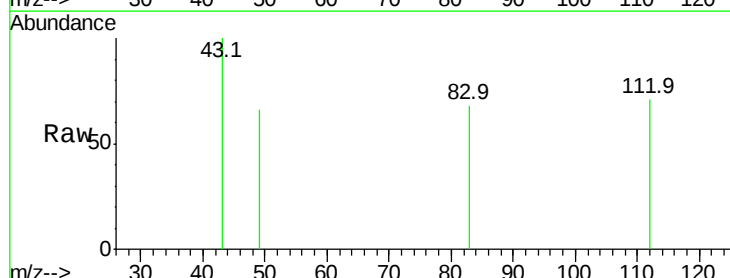
Tgt Ion:112 Resp: 230

Ion Ratio Lower Upper

112 100

64 0.0 46.0 69.0#

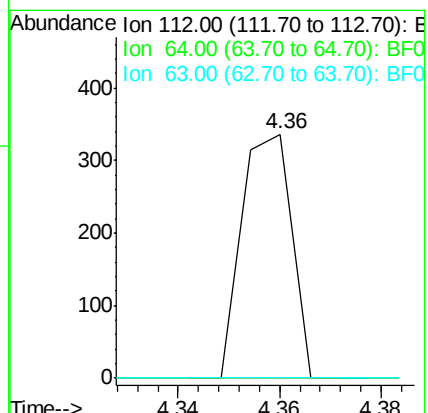
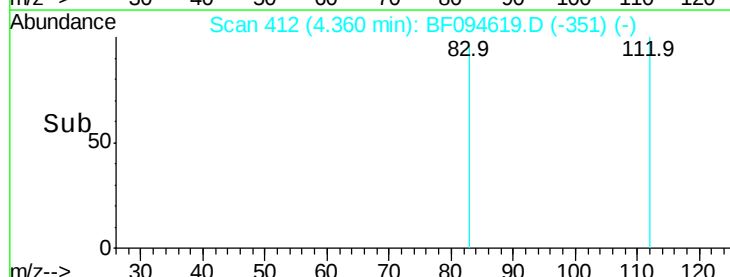
63 0.0 23.4 35.0#

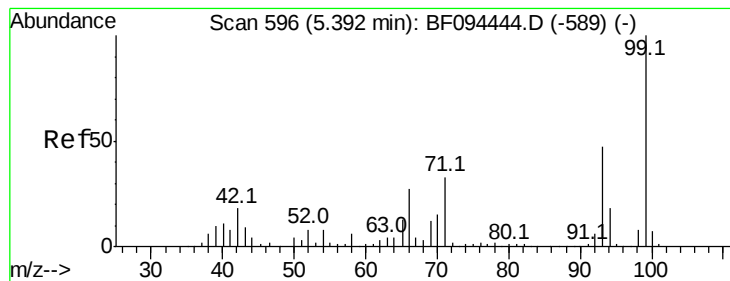


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.31 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094619.D

Acq: 25 Apr 2017 21:33

Instrument :

BNA_F

ClientSampled :

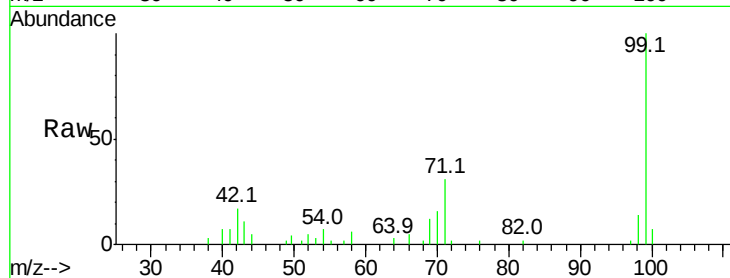
Tot Ion: 99 Resp: 30751

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

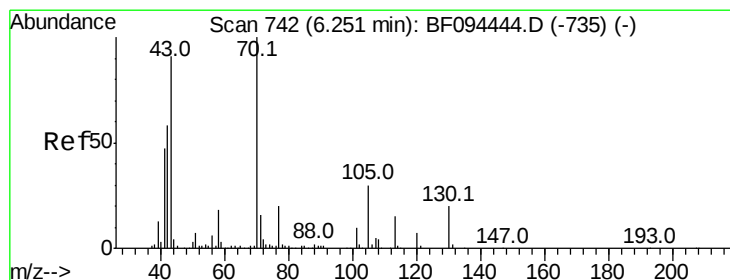
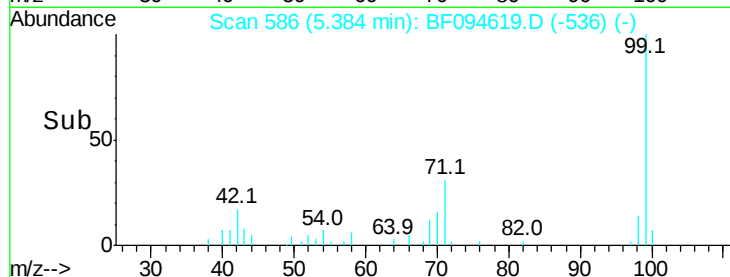
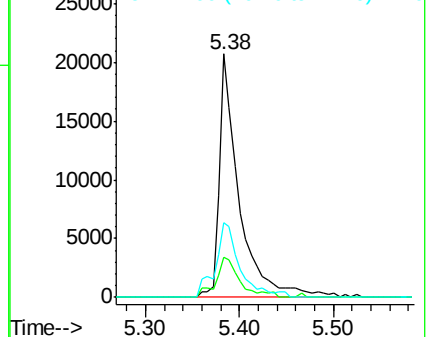
71 30.9 24.5 36.7



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: 10.38 ng

RT: 6.40 min Scan# 759

Delta R.T. 0.15 min

Lab File: BF094619.D

Acq: 25 Apr 2017 21:33

Tgt Ion: 70 Resp: 63910

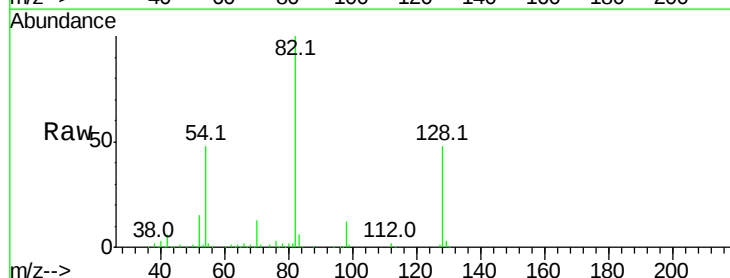
Ion Ratio Lower Upper

70 100

42 42.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

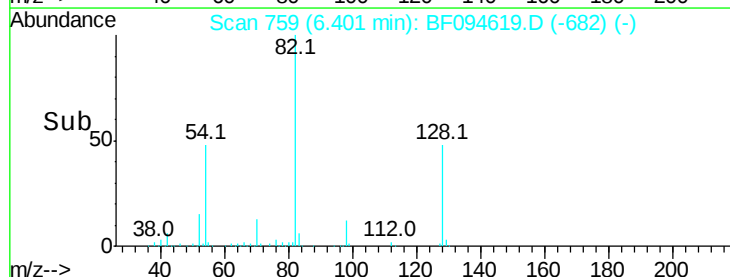
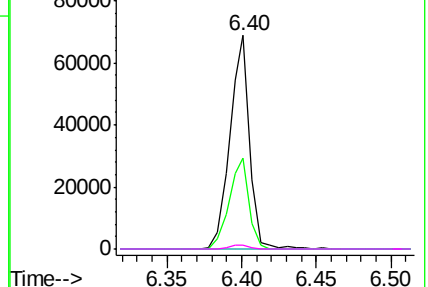


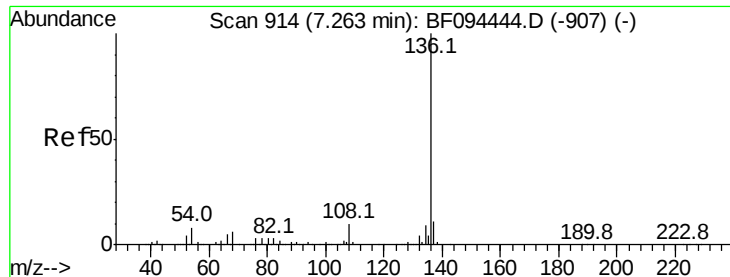
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.25 min Scan# 903

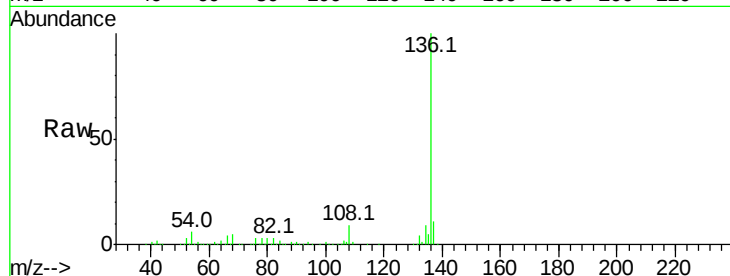
Delta R.T. -0.01 min

Lab File: BF094619.D

Acq: 25 Apr 2017 21:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	517816
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.5 12.7
54	6.5	4.9 7.3
68	5.4	4.1 6.1

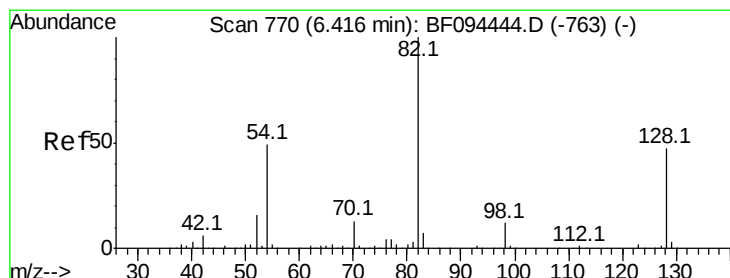
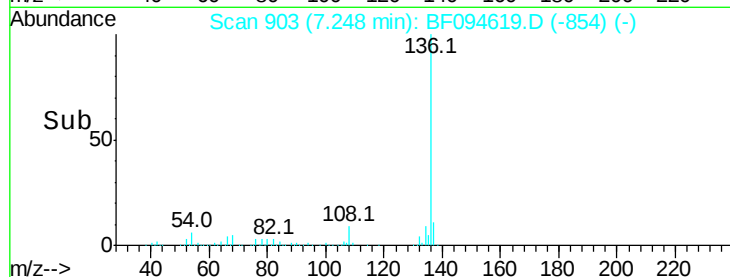
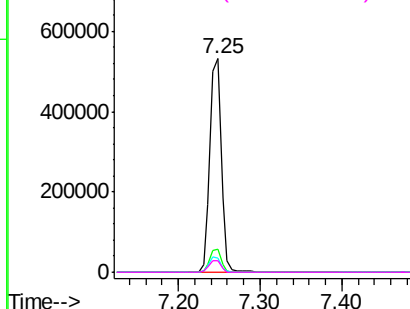


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.28 ng

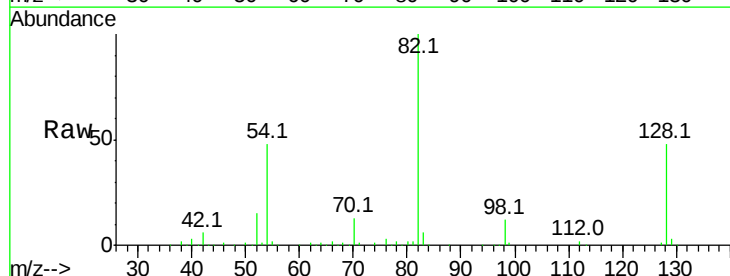
RT: 6.40 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF094619.D

Acq: 25 Apr 2017 21:33

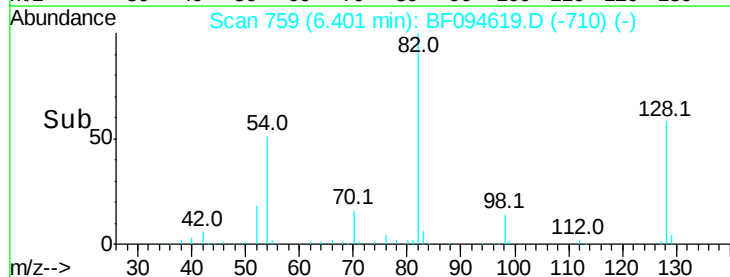
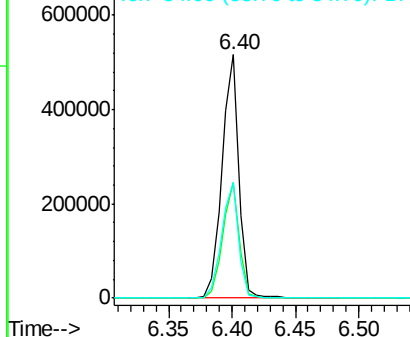
Tgt Ion: 82	Resp:	480383
Ion Ratio	Lower	Upper
82	100	
128	47.6	34.0 51.0
54	47.7	42.2 63.2

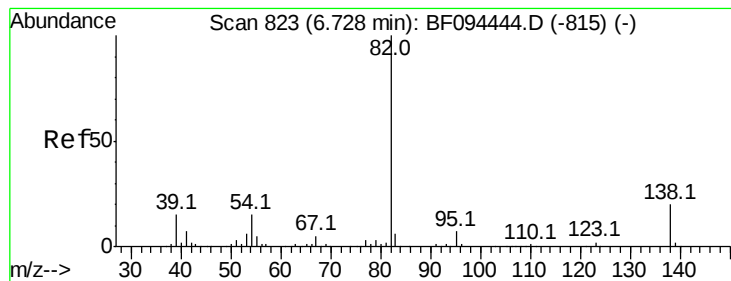


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 2.43 ng

RT: 6.71 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF094619.D

Acq: 25 Apr 2017 21:33

Instrument :

BNA_F

ClientSampleId :

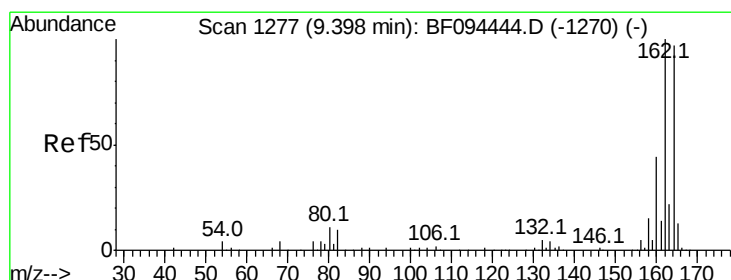
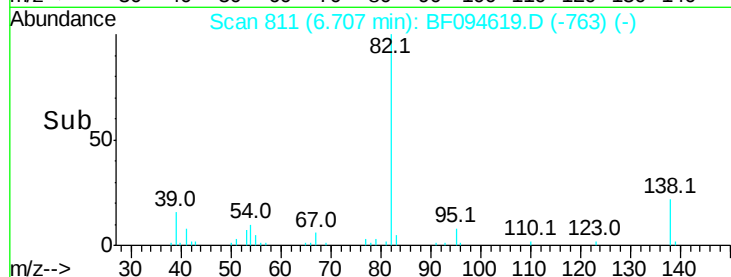
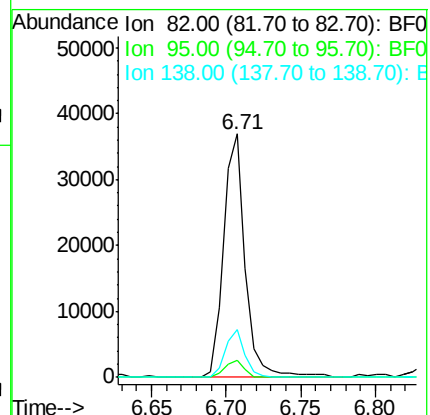
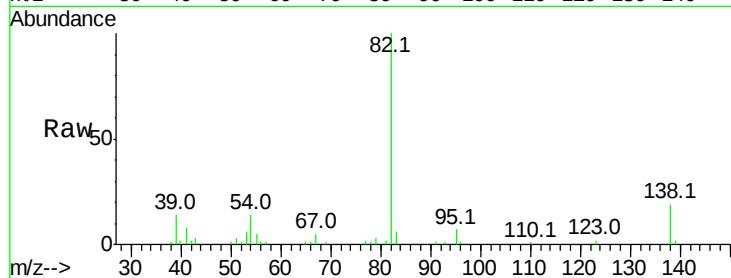
Tot Ion: 82 Resp: 37782

Ion Ratio Lower Upper

82 100

95 6.9 5.3 7.9

138 19.4 13.1 19.7



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.38 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF094619.D

Acq: 25 Apr 2017 21:33

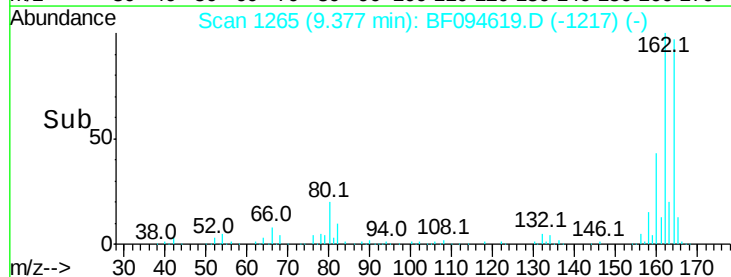
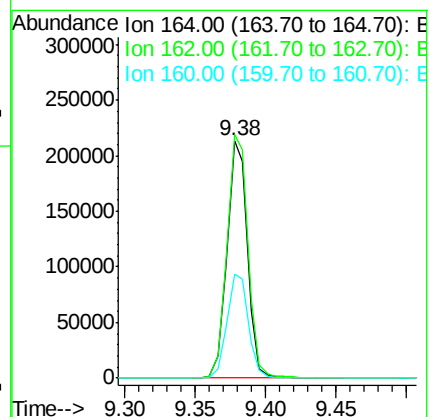
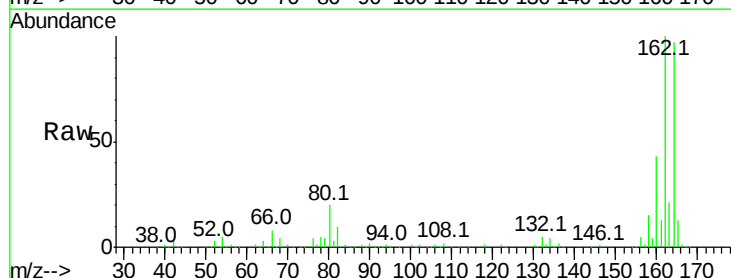
Tgt Ion: 164 Resp: 213919

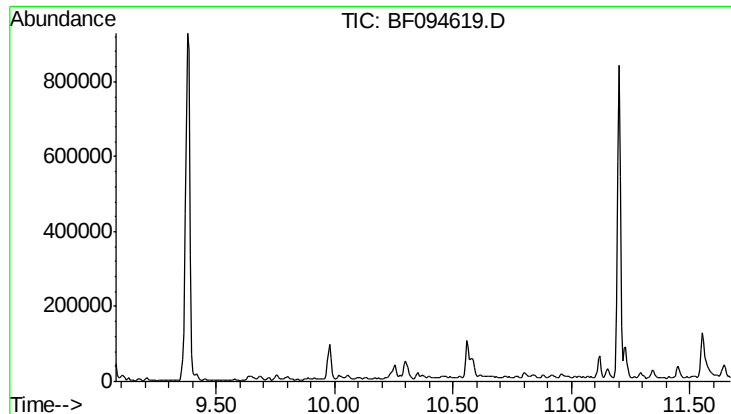
Ion Ratio Lower Upper

164 100

162 102.6 82.6 123.8

160 43.9 36.2 54.2

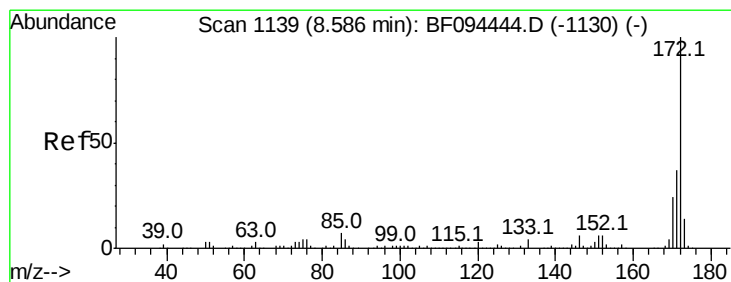
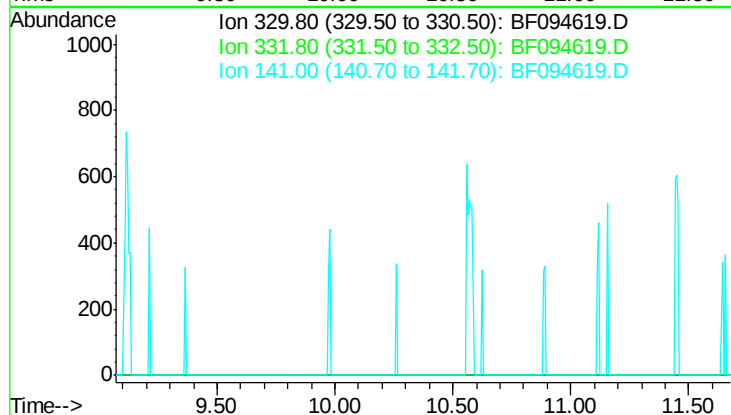




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.37 min
 Lab File: BF094619.D
 Acq: 25 Apr 2017 21:33

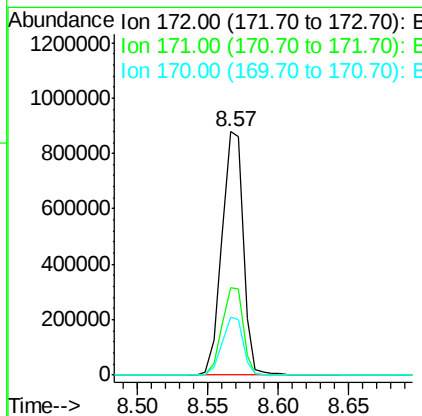
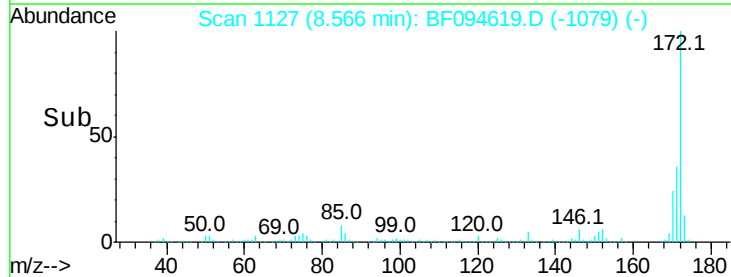
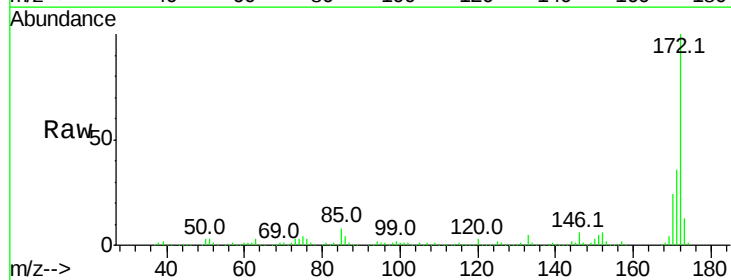
Instrument :
 BNA_F
 ClientSampleId :

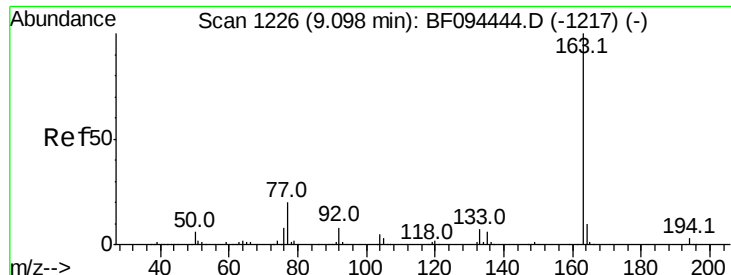
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 95.8
 141 39.3



#44
 2-Fluorobiphenyl
 Concen: 63.70 ng
 RT: 8.57 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: BF094619.D
 Acq: 25 Apr 2017 21:33

Tgt Ion: 172 Resp: 926152
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.9 19.8 29.8





#49

Dimethylphthalate

Concen: 2.69 ng

RT: 9.07 min Scan# 1213

Delta R.T. -0.03 min

Lab File: BF094619.D

Acq: 25 Apr 2017 21:33

Instrument :

BNA_F

ClientSampleId :

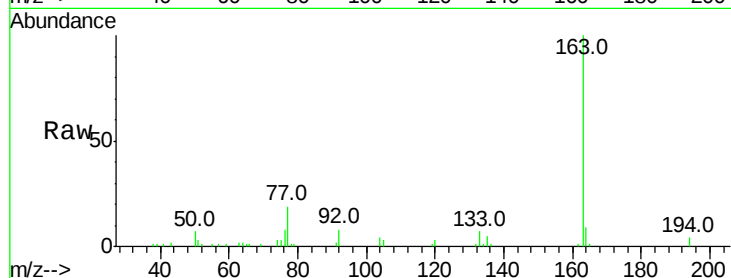
Tot Ion:163 Resp: 42957

Ion Ratio Lower Upper

163 100

194 4.3 2.6 4.0#

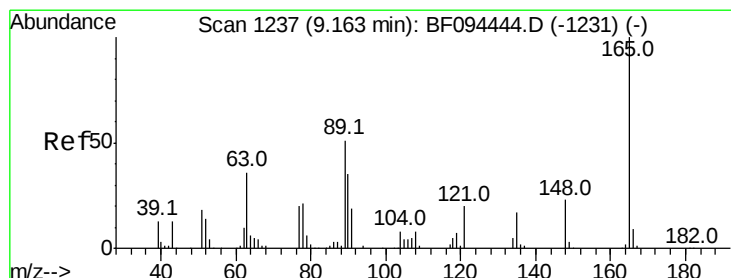
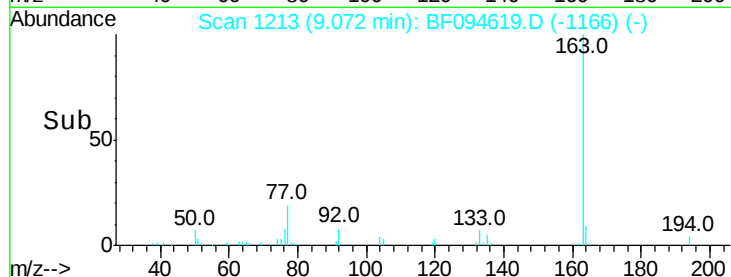
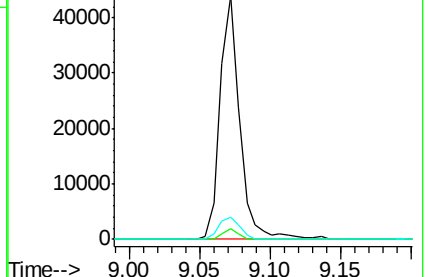
164 9.4 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 7.67 ng

RT: 9.38 min Scan# 1265

Delta R.T. 0.21 min

Lab File: BF094619.D

Acq: 25 Apr 2017 21:33

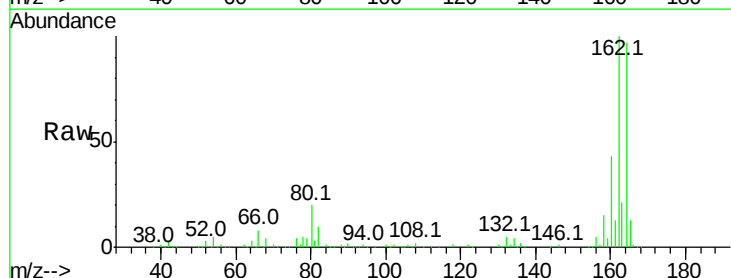
Tgt Ion:165 Resp: 27431

Ion Ratio Lower Upper

165 100

63 1.1 34.3 51.5#

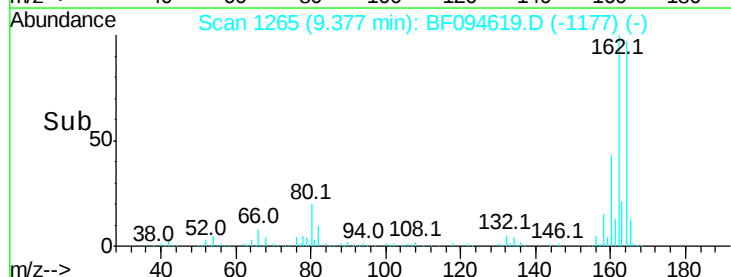
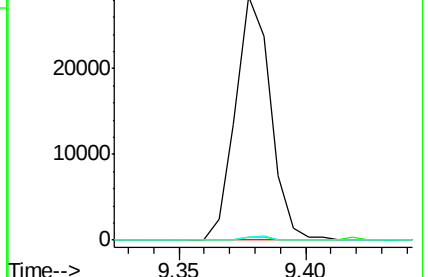
89 1.1 37.1 55.7#

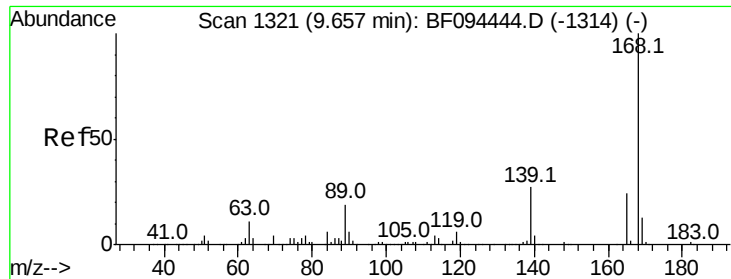


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

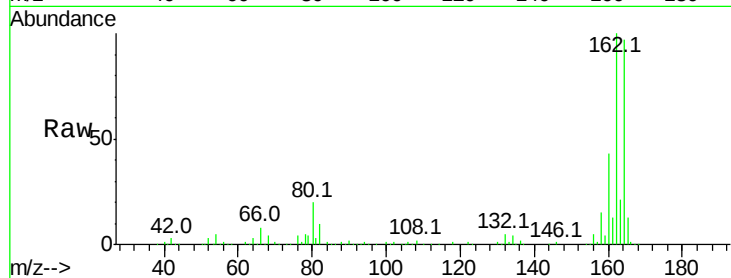




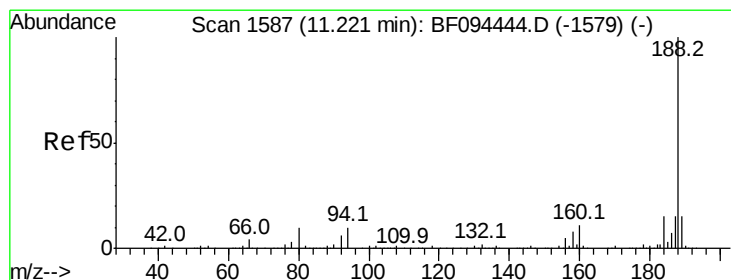
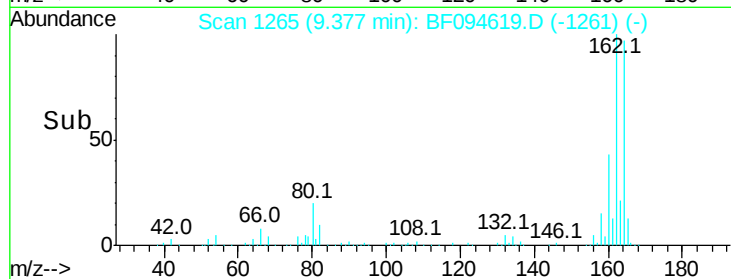
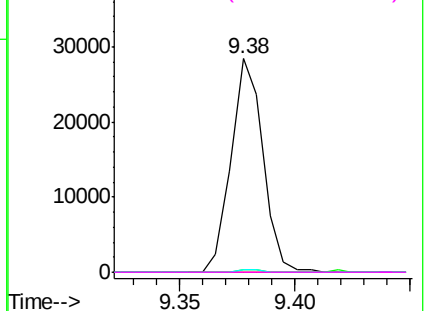
#56
 2,4-Dinitrotoluene
 Concen: 6.25 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.28 min
 Lab File: BF094619.D
 Acq: 25 Apr 2017 21:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 27431
 Ion Ratio Lower Upper
 165 100
 63 1.1 25.4 38.0#
 89 1.1 46.4 69.6#
 182 0.0 1.8 2.6#

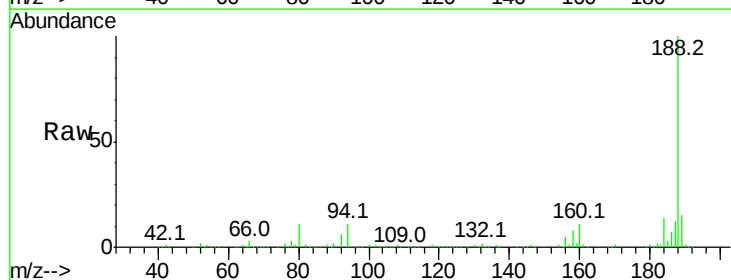


Abundance Ion 165.00 (164.70 to 165.70): E

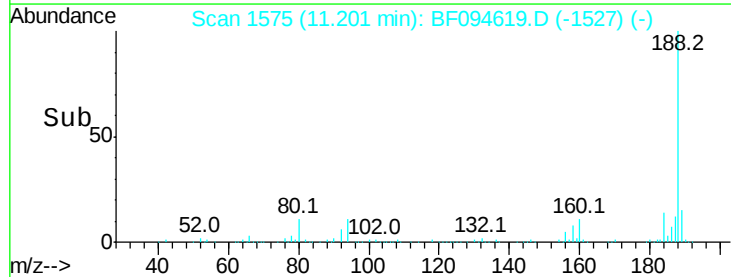
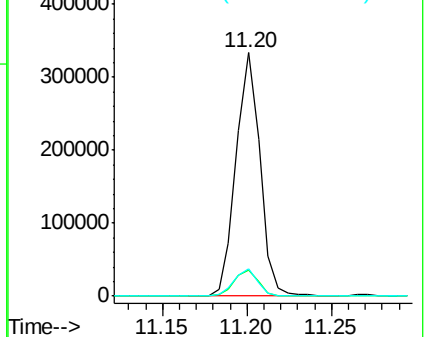


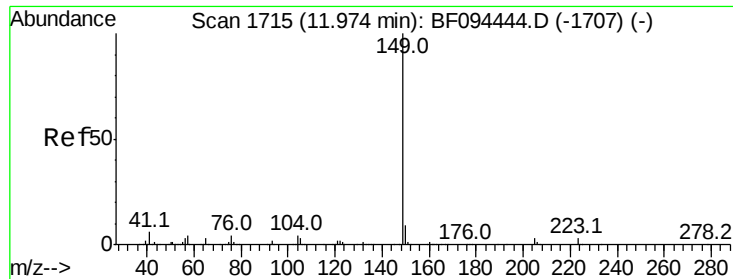
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094619.D
 Acq: 25 Apr 2017 21:33

Tgt Ion:188 Resp: 330128
 Ion Ratio Lower Upper
 188 100
 94 10.5 9.4 14.2
 80 11.4 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

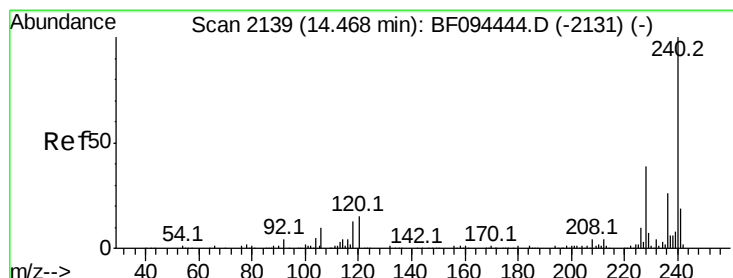
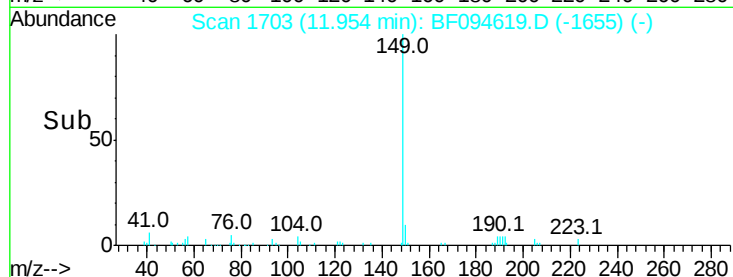
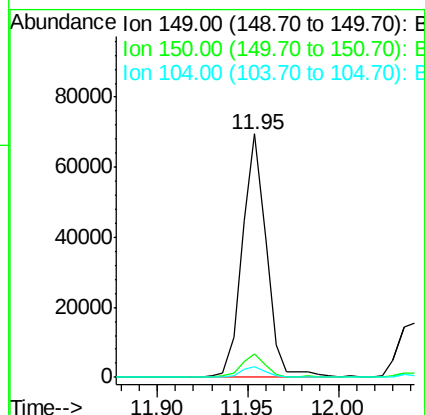
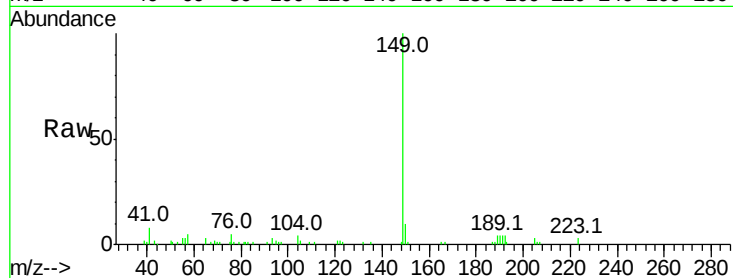




#73
Di-n-butylphthalate
Concen: 3.23 ng
RT: 11.95 min Scan# 1703
Delta R.T. -0.02 min
Lab File: BF094619.D
Acq: 25 Apr 2017 21:33

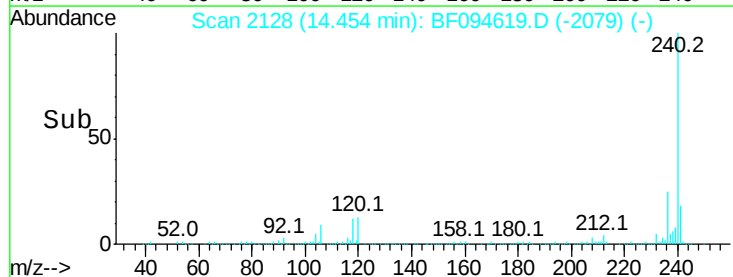
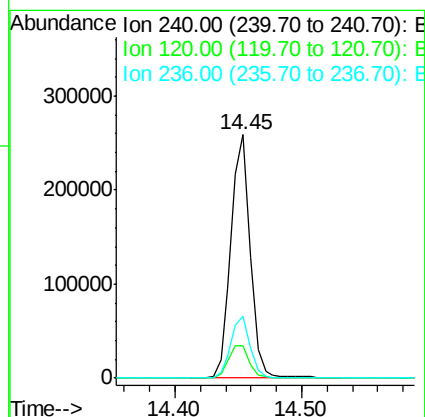
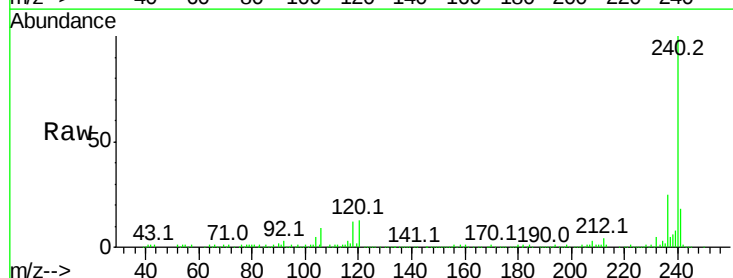
Instrument :
BNA_F
ClientSampleId :

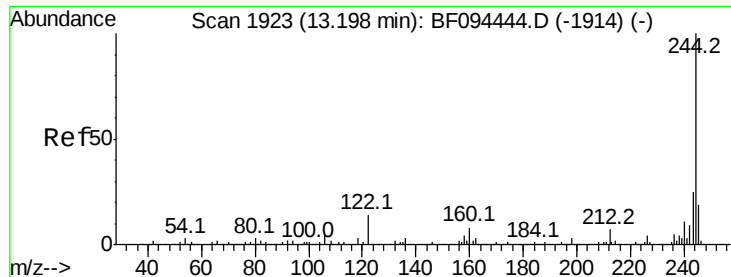
Tot Ion:149 Resp: 64234
Ion Ratio Lower Upper
149 100
150 9.7 7.7 11.5
104 4.2 4.0 6.0



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.45 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF094619.D
Acq: 25 Apr 2017 21:33

Tgt Ion:240 Resp: 273196
Ion Ratio Lower Upper
240 100
120 13.3 5.8 8.8#
236 25.3 20.5 30.7

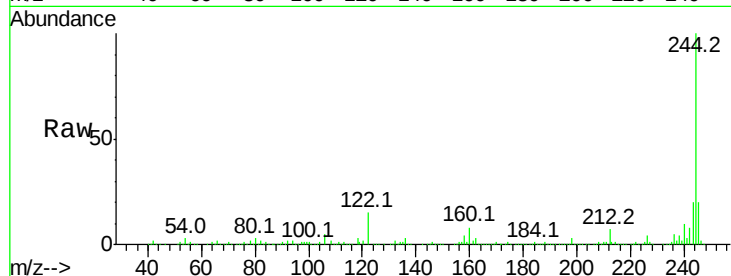




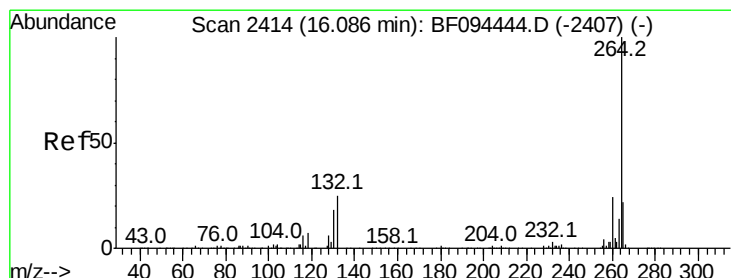
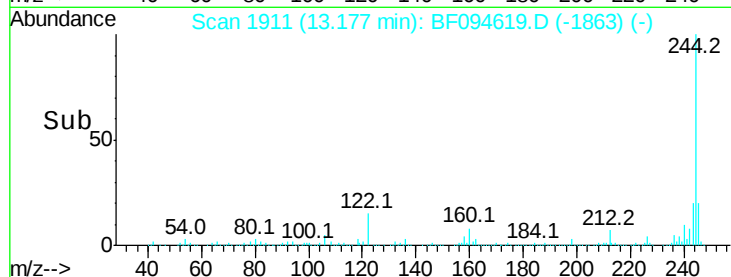
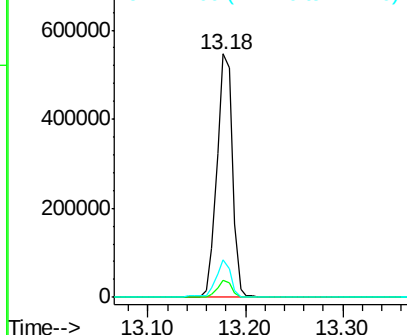
#78
 Terphenyl-d14
 Concen: 59.15 ng
 RT: 13.18 min Scan# 1911
 Delta R.T. -0.02 min
 Lab File: BF094619.D
 Acq: 25 Apr 2017 21:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 604562
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 15.4 10.3 15.5

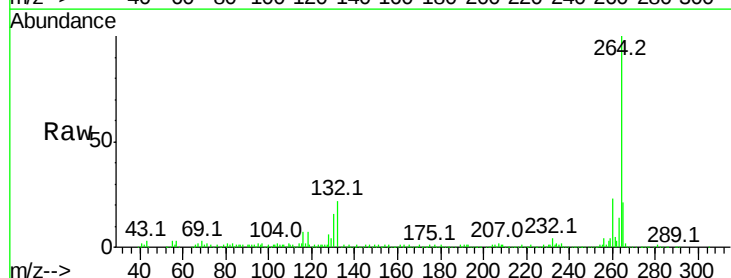


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

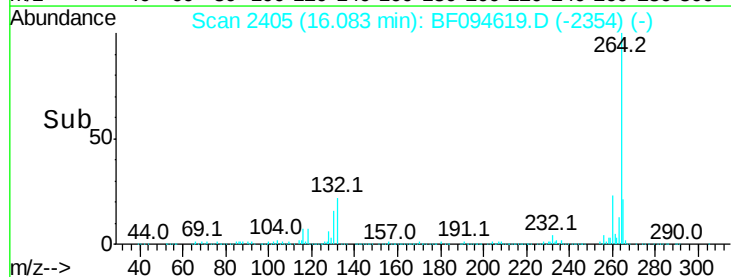
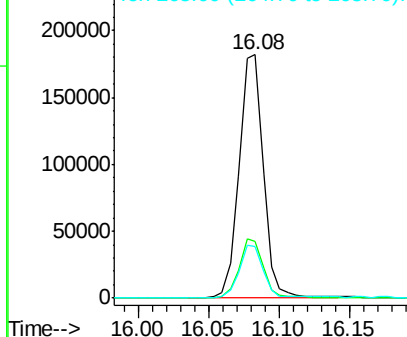


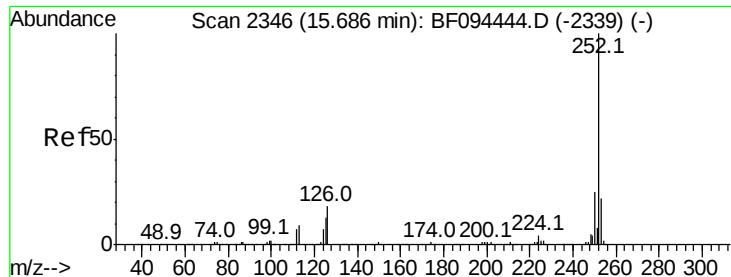
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BF094619.D
 Acq: 25 Apr 2017 21:33

Tgt Ion:264 Resp: 219448
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.5 29.3
 265 21.2 17.2 25.8



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





#87

Benzo(b)fluoranthene

Concen: 2.07 ng

RT: 15.68 min Scan# 2336

Delta R.T. -0.01 min

Lab File: BF094619.D

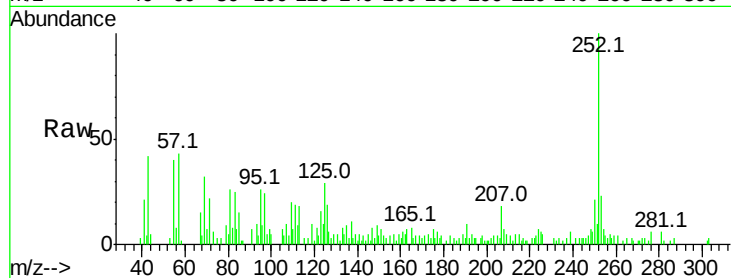
Acq: 25 Apr 2017 21:33

Instrument :

BNA_F

ClientSampleId :

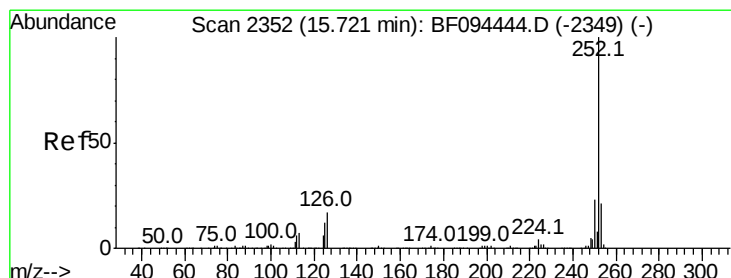
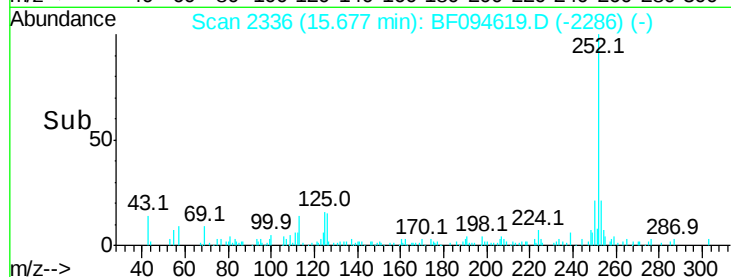
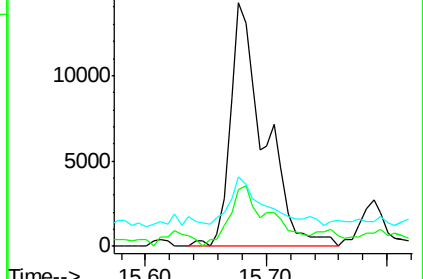
Tot Ion:252	Resp:	27775
Ion Ratio	Lower	Upper
252	100	
253	23.3	18.1 27.1
125	28.7	9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 2.19 ng

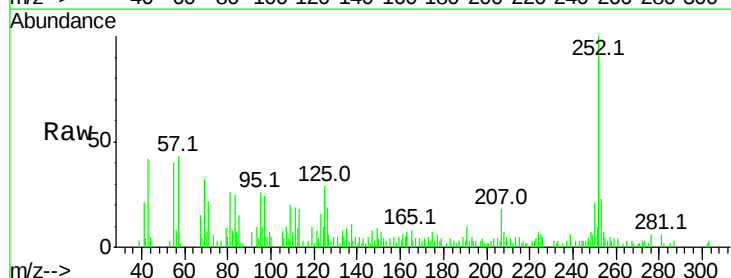
RT: 15.68 min Scan# 2336

Delta R.T. -0.04 min

Lab File: BF094619.D

Acq: 25 Apr 2017 21:33

Tgt Ion:252	Resp:	27775
Ion Ratio	Lower	Upper
252	100	
253	23.3	18.4 27.6
125	28.7	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

