

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041917\
 Data File : BF094528.D
 Acq On : 19 Apr 2017 20:58
 Operator : SJ/MA
 Sample : I2750-03 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 03:07:44 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

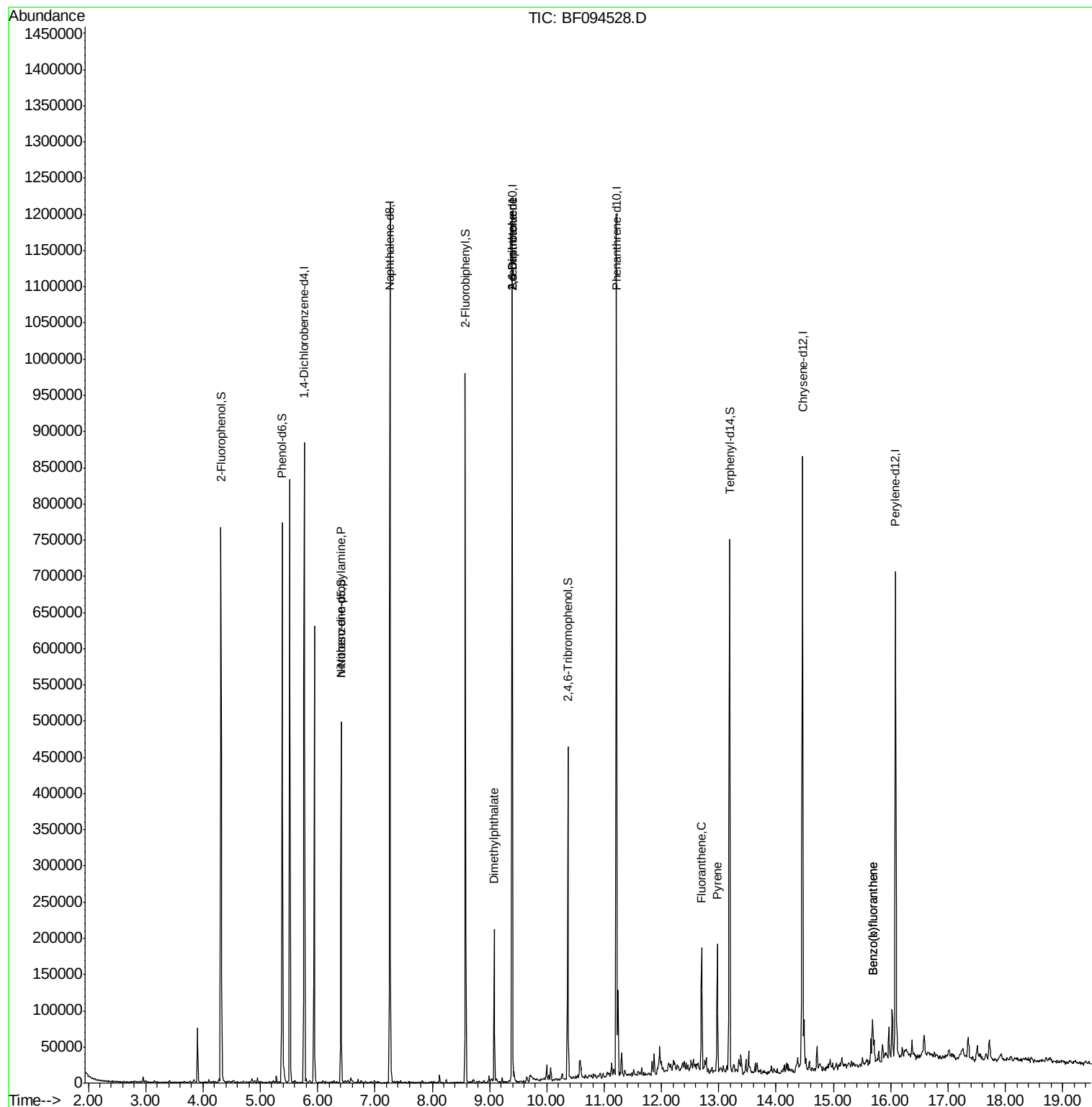
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	133281	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	550256	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	248608	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	456009	20.00	ng	0.00
75) Chrysene-d12	14.46	240	297103	20.00	ng	0.00
86) Perylene-d12	16.08	264	261524	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	219975	27.38	ng	0.00
7) Phenol-d6	5.38	99	255136	26.94	ng	0.00
23) Nitrobenzene-d5	6.41	82	148182	16.63	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	49896	25.66	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	317657	18.80	ng	0.00
78) Terphenyl-d14	13.19	244	246181	22.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.41	70	19137	3.05	ng	# 77
49) Dimethylphthalate	9.08	163	91029	4.91	ng	98
50) 2,6-Dinitrotoluene	9.40	165	31707	7.62	ng	# 34
56) 2,4-Dinitrotoluene	9.40	165	31706	6.21	ng	# 33
74) Fluoranthene	12.70	202	70407	2.65	ng	99
77) Pyrene	12.98	202	74959	3.61	ng	95
87) Benzo(b)fluoranthene	15.68	252	41984	2.62	ng	# 97
88) Benzo(k)fluoranthene	15.68	252	41984	2.77	ng	99

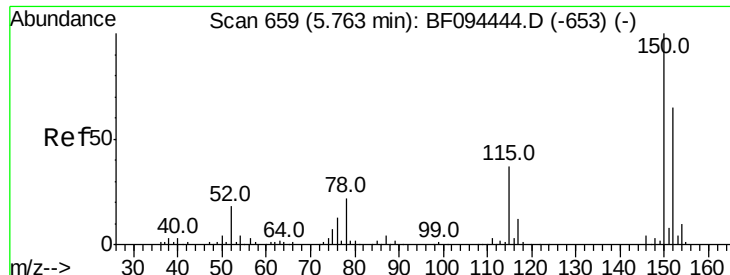
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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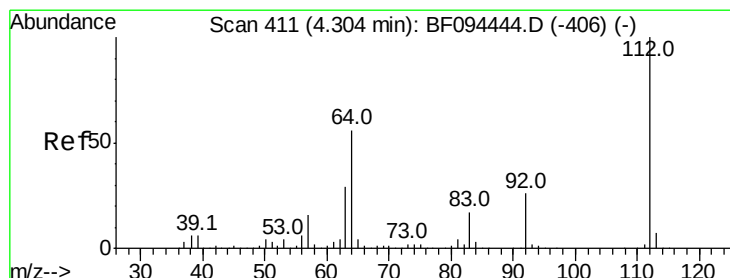
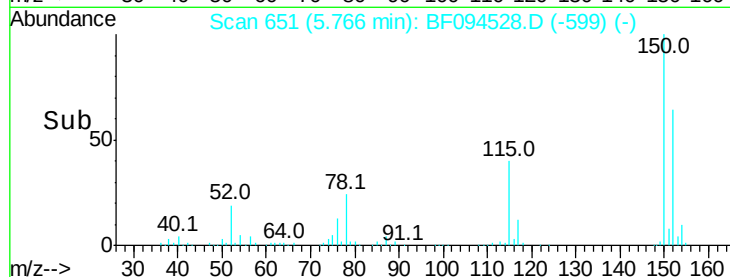
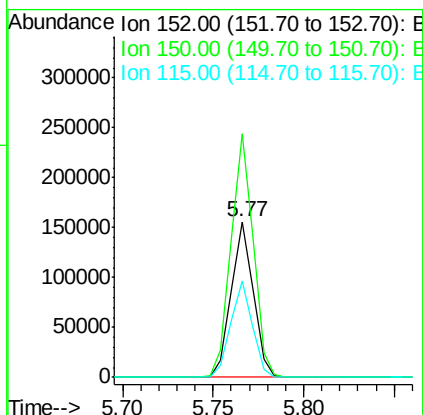
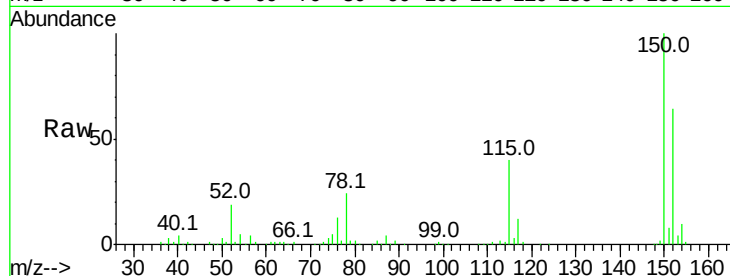


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094528.D
Acq: 19 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :

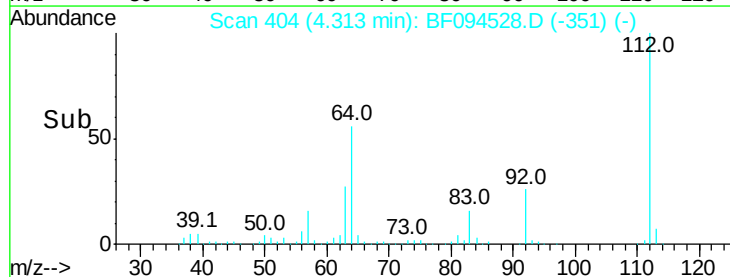
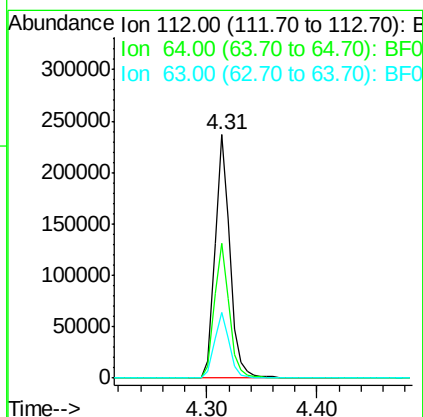
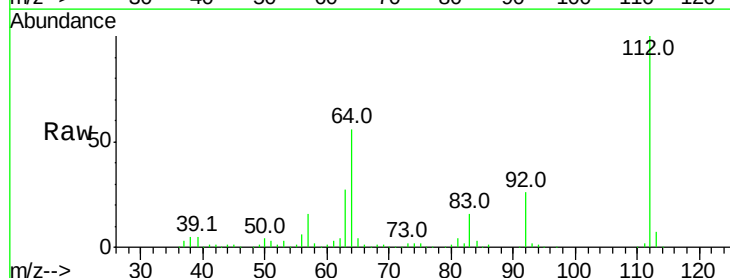
Tot Ion:152 Resp: 133281
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 62.3 52.2 78.2

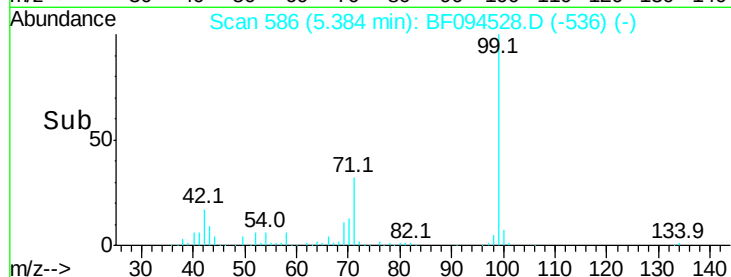
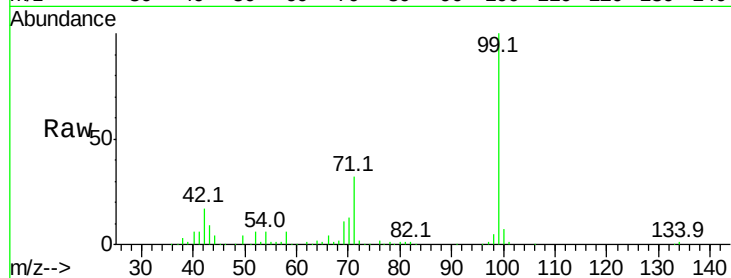
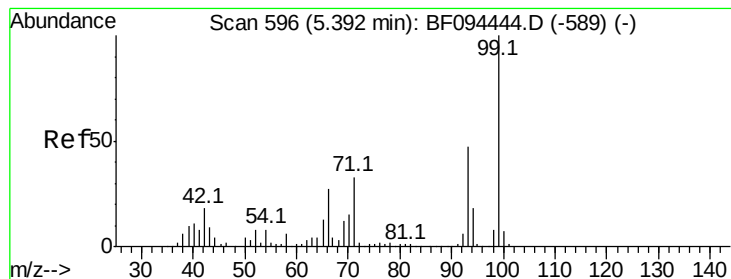


#5

2-Fluorophenol
Concen: 27.38 ng
RT: 4.31 min Scan# 404
Delta R.T. 0.01 min
Lab File: BF094528.D
Acq: 19 Apr 2017 20:58

Tgt Ion:112 Resp: 219975
Ion Ratio Lower Upper
112 100
64 55.6 46.0 69.0
63 26.8 23.4 35.0





#7

Phenol-d6

Concen: 26.94 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094528.D

Acq: 19 Apr 2017 20:58

Instrument :

BNA_F

ClientSampleId :

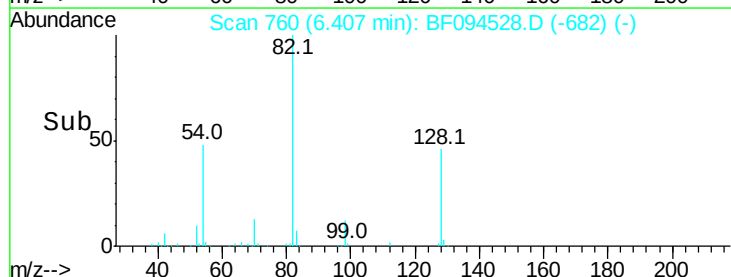
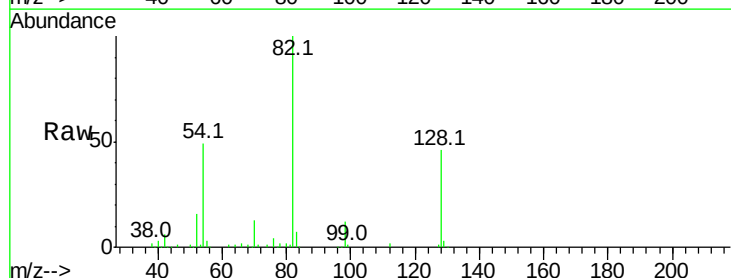
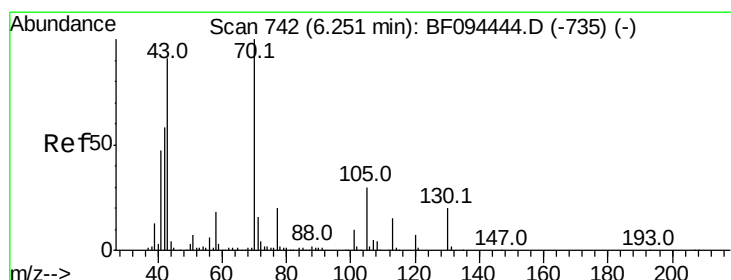
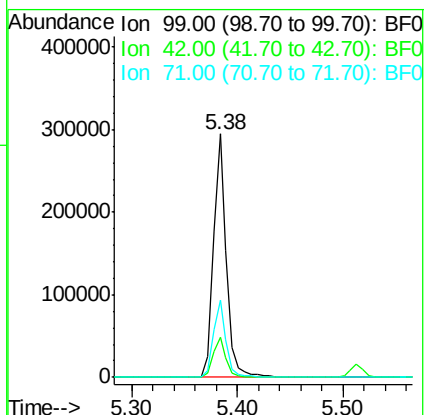
Tot Ion: 99 Resp: 255136

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

71 31.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 3.05 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094528.D

Acq: 19 Apr 2017 20:58

Tgt Ion: 70 Resp: 19137

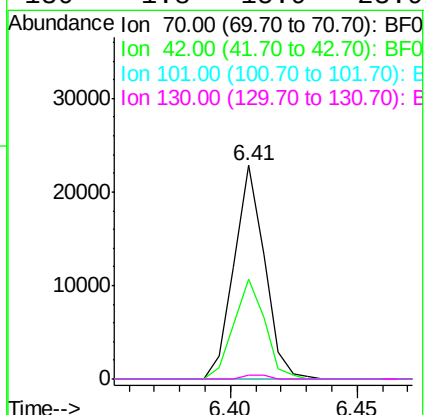
Ion Ratio Lower Upper

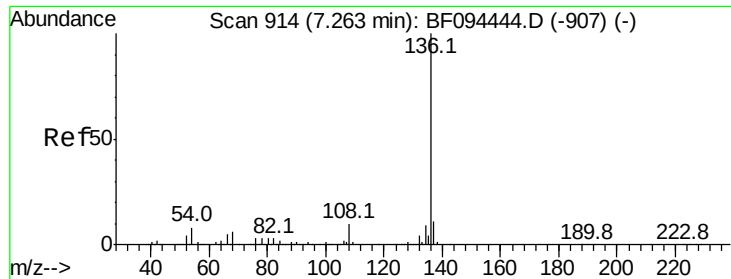
70 100

42 46.7 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094528.D

Acq: 19 Apr 2017 20:58

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 550256

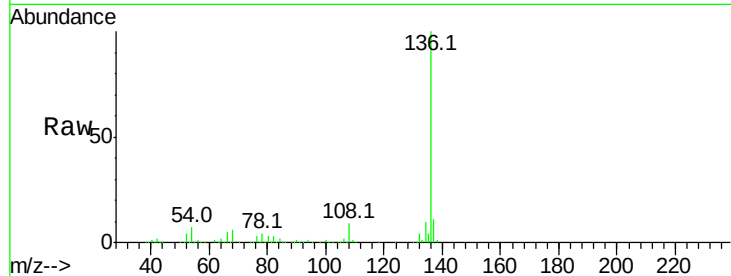
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.5 4.9 7.3#

68 6.1 4.1 6.1

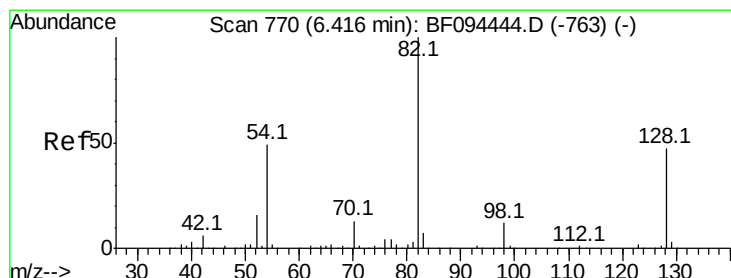
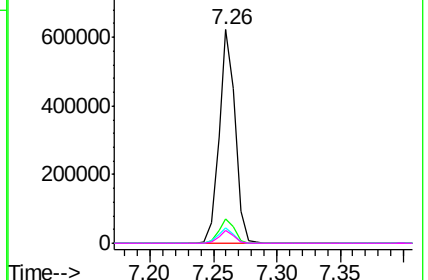
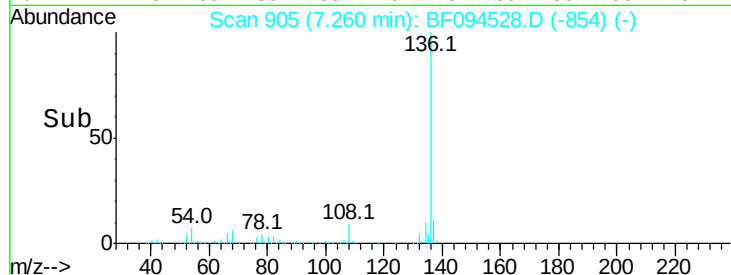


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.63 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094528.D

Acq: 19 Apr 2017 20:58

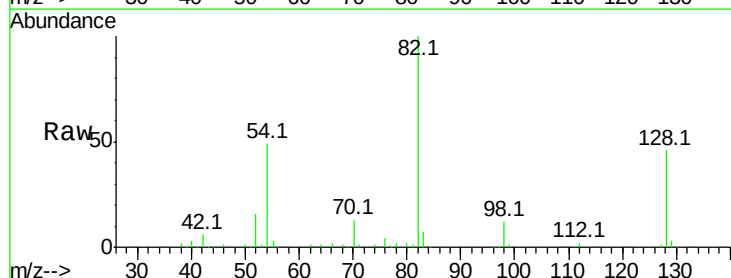
Tgt Ion: 82 Resp: 148182

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

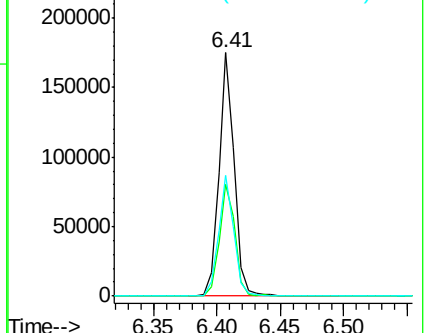
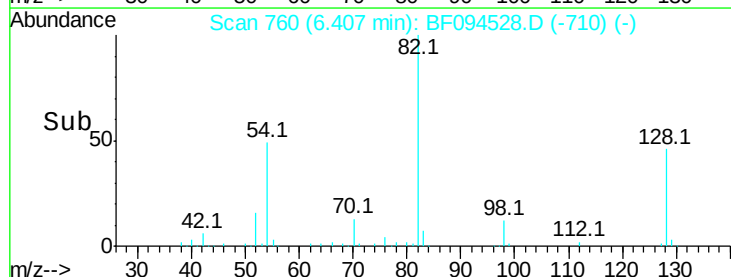
54 49.5 42.2 63.2

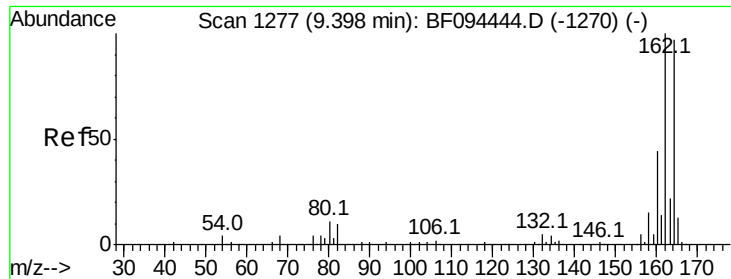


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

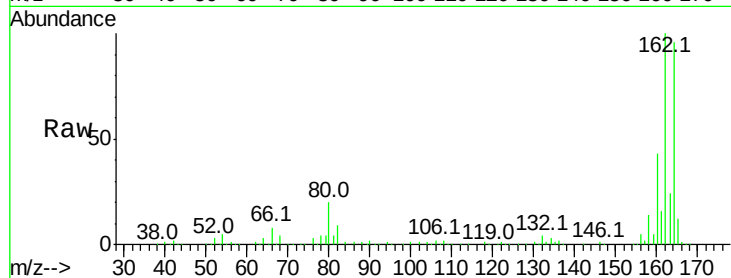




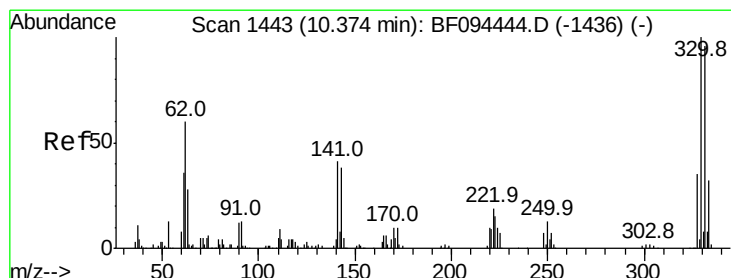
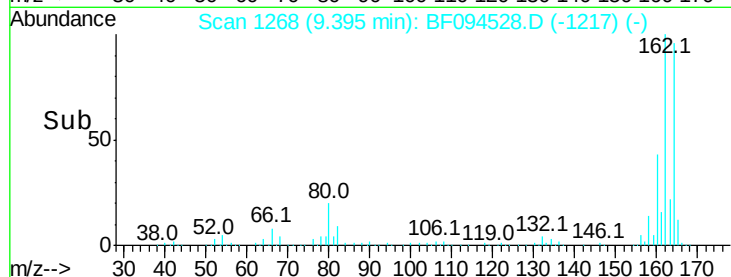
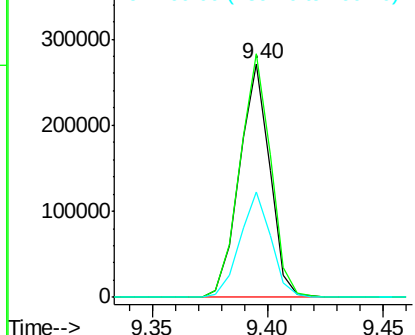
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF094528.D
 Acq: 19 Apr 2017 20:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 248608
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.6 123.8
 160 45.1 36.2 54.2

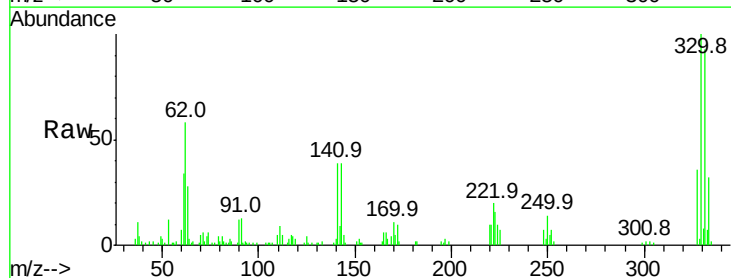


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

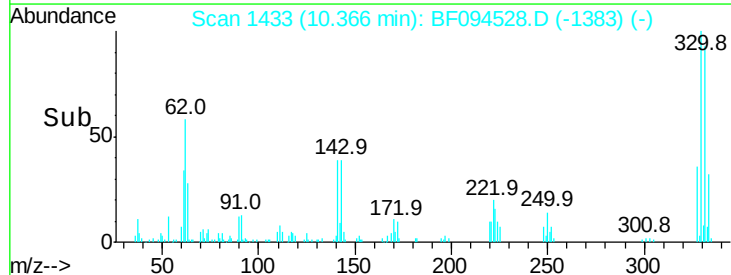
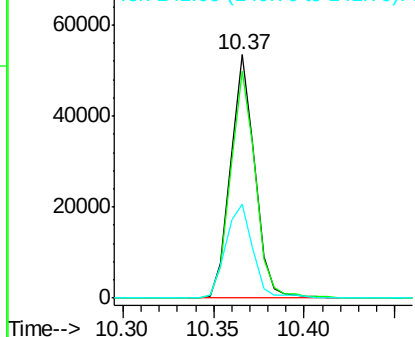


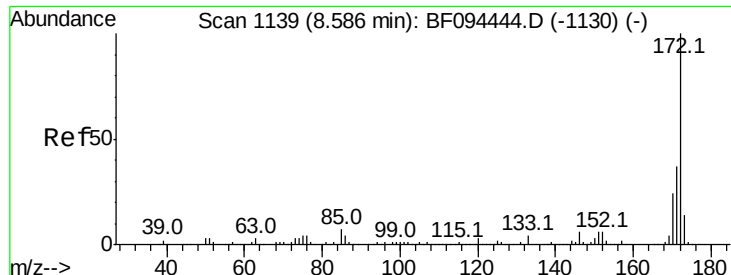
#41
 2,4,6-Tribromophenol
 Concen: 25.66 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094528.D
 Acq: 19 Apr 2017 20:58

Tgt Ion:330 Resp: 49896
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 115.0
 141 42.9 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

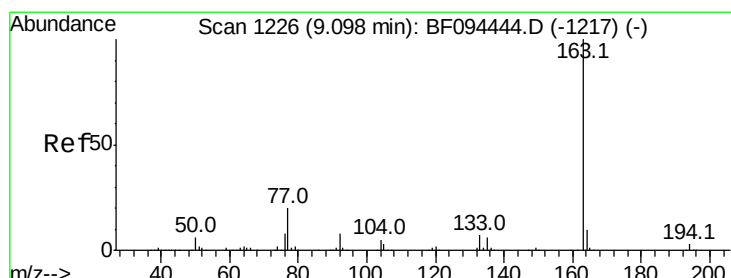
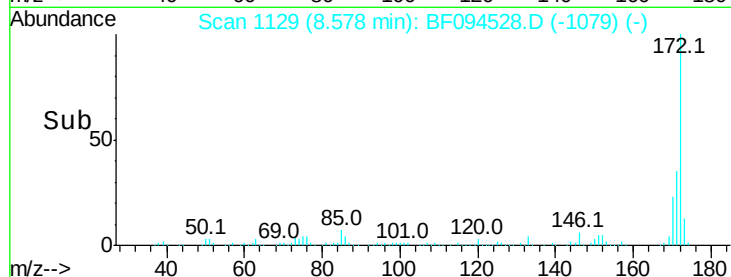
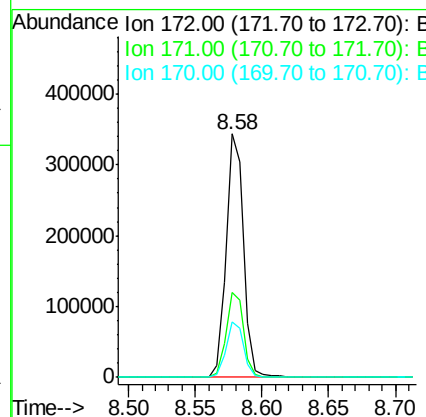
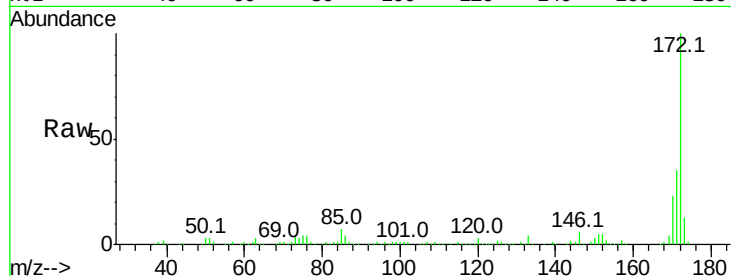




#44
 2-Fluorobiphenyl
 Concen: 18.80 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094528.D
 Acq: 19 Apr 2017 20:58

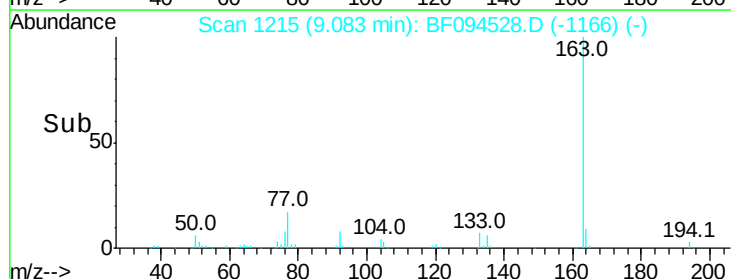
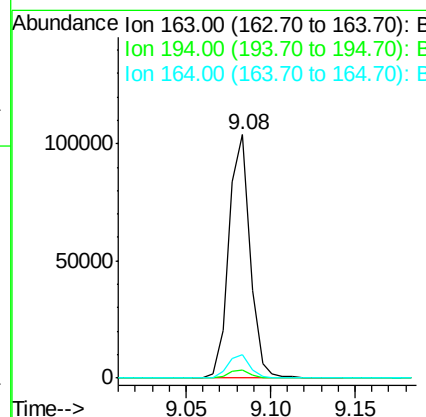
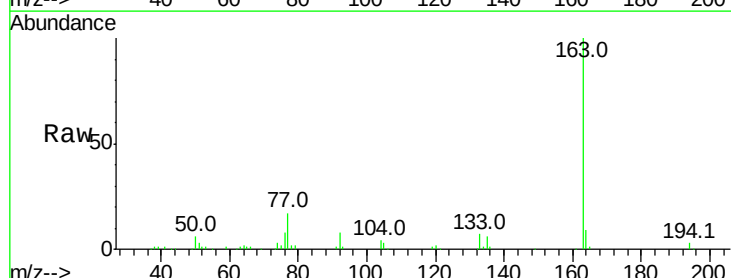
Instrument :
 BNA_F
 ClientSampleId :

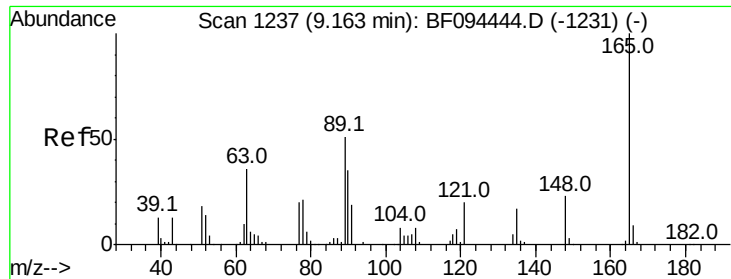
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	22.9	19.8	29.8



#49
 Dimethylphthalate
 Concen: 4.91 ng
 RT: 9.08 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF094528.D
 Acq: 19 Apr 2017 20:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.5	8.4	12.6





#50

2,6-Dinitrotoluene

Concen: 7.62 ng

RT: 9.40 min Scan# 1268

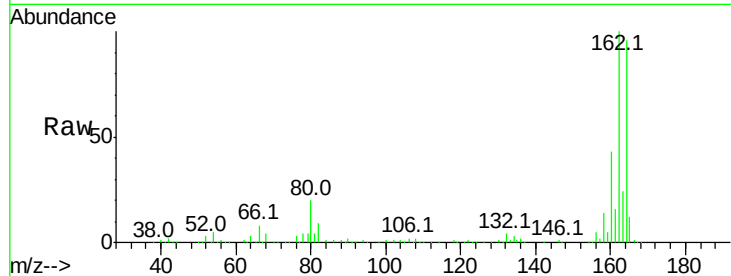
Delta R.T. 0.23 min

Lab File: BF094528.D

Acq: 19 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :

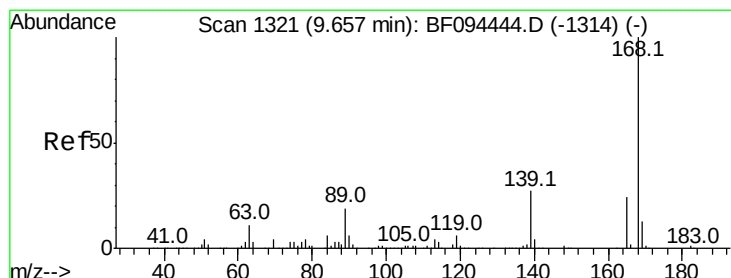
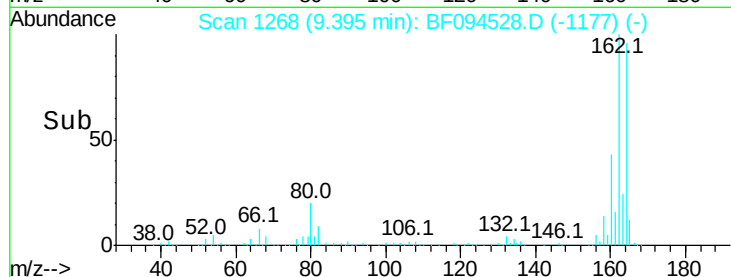
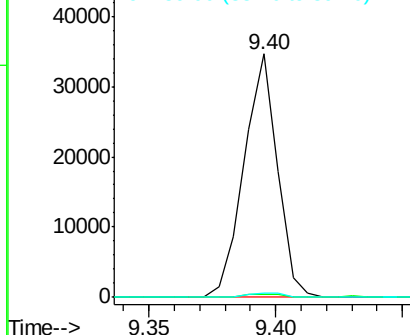
Tot Ion:	165	Resp:	31707
Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.3	51.5#
89	1.8	37.1	55.7#



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: 6.21 ng

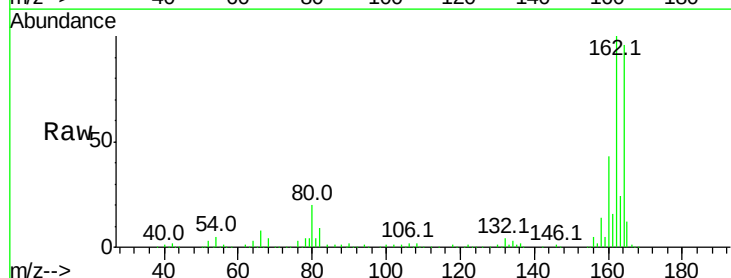
RT: 9.40 min Scan# 1268

Delta R.T. -0.26 min

Lab File: BF094528.D

Acq: 19 Apr 2017 20:58

Tgt Ion:	165	Resp:	31706
Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#

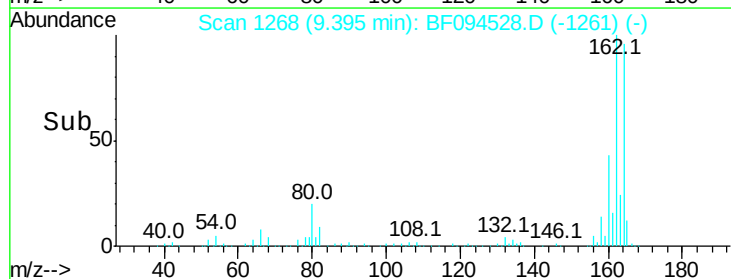
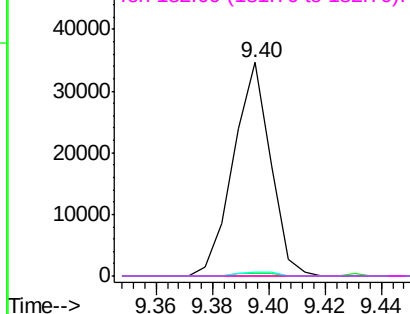


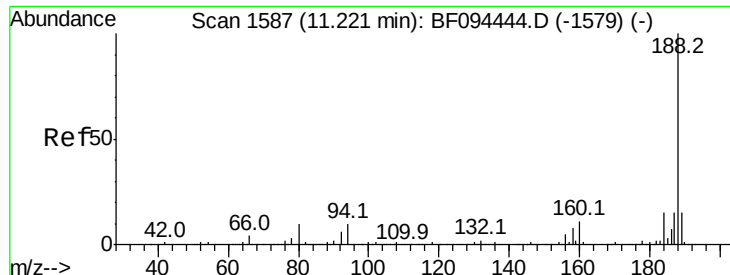
Abundance Ion 165.00 (164.70 to 165.70): E

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

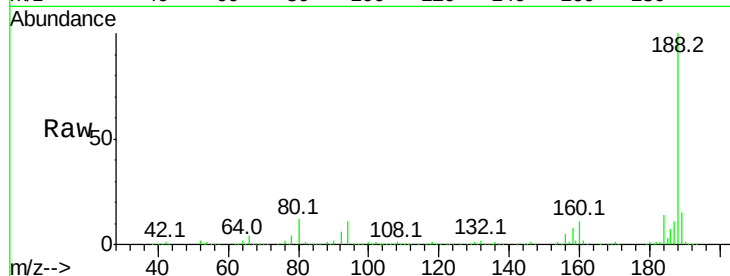




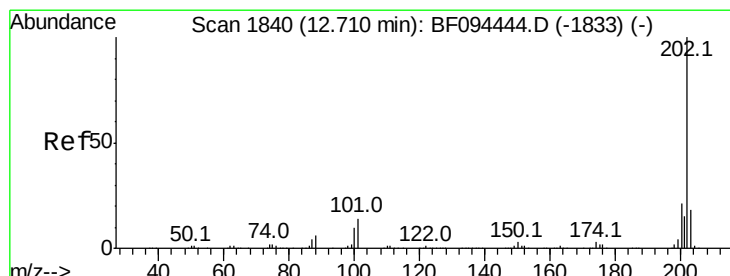
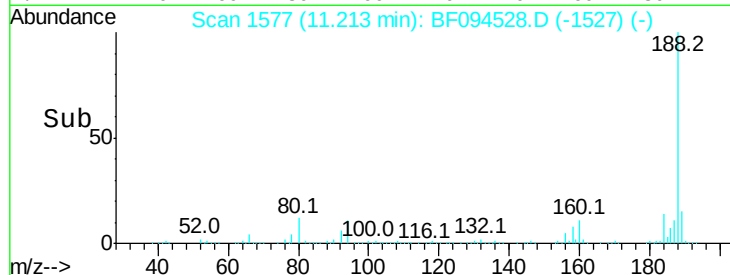
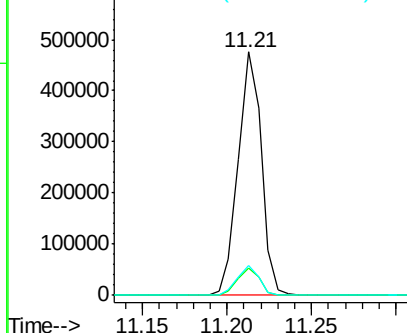
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF094528.D
Acq: 19 Apr 2017 20:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 456009
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 12.1 10.2 15.2

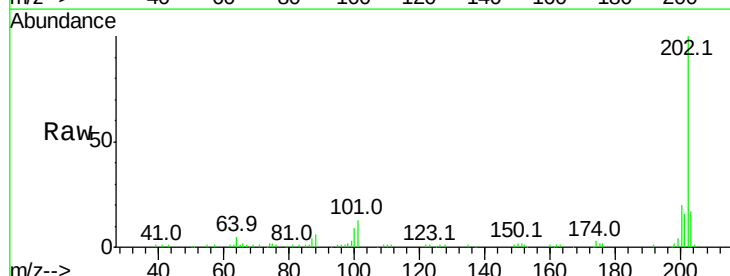


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

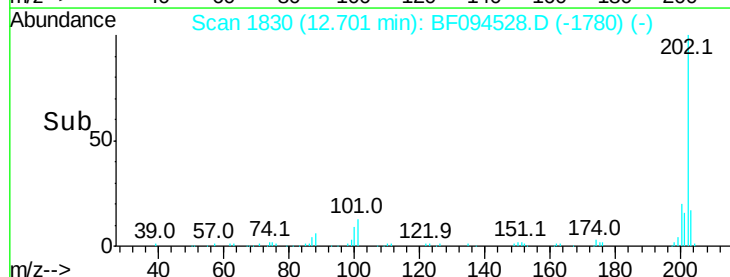
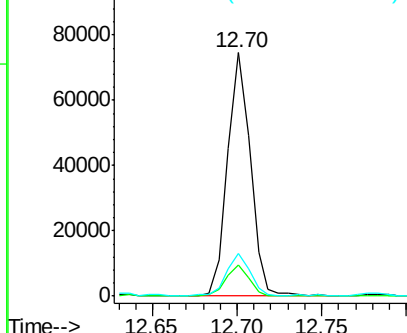


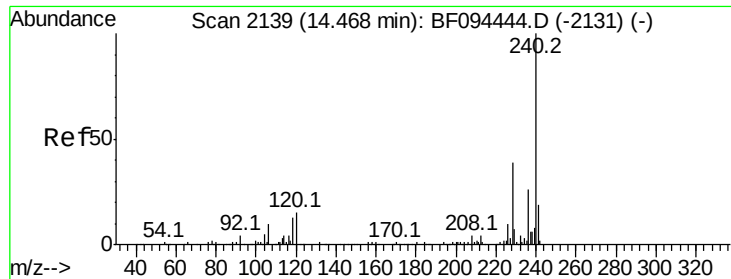
#74
Fluoranthene
Concen: 2.65 ng
RT: 12.70 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF094528.D
Acq: 19 Apr 2017 20:58

Tgt Ion:202 Resp: 70407
Ion Ratio Lower Upper
202 100
101 12.6 0.0 33.2
203 17.5 0.0 38.1



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: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094528.D

Acq: 19 Apr 2017 20:58

Instrument :

BNA_F

ClientSampleId :

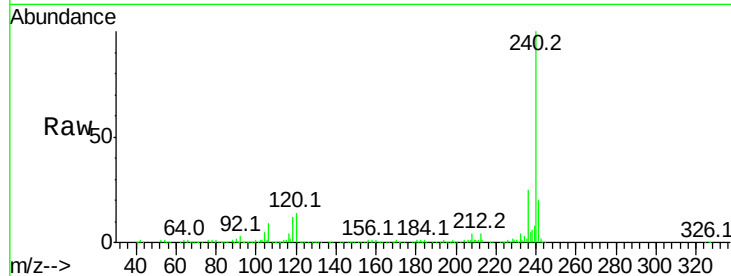
Tot Ion:240 Resp: 297103

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

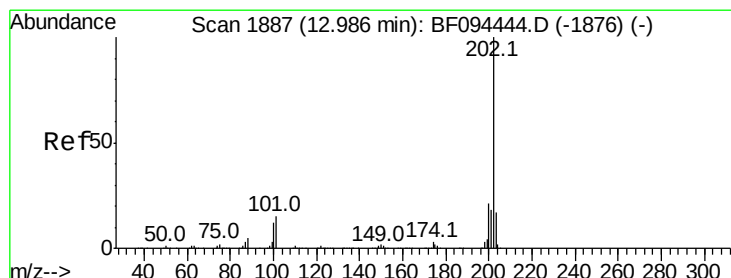
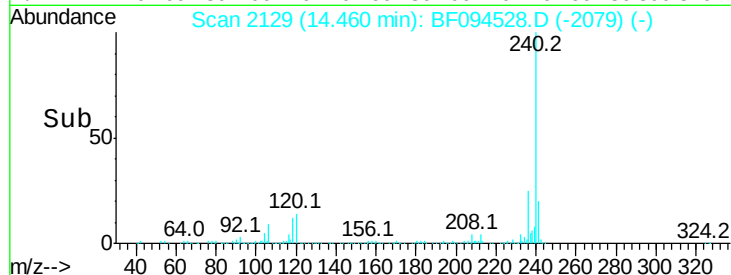
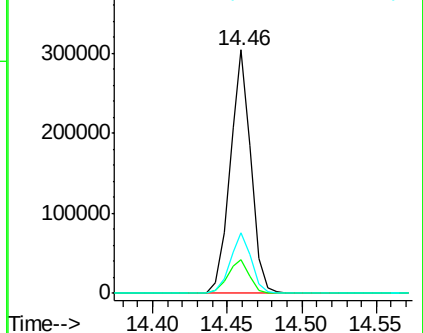
236 25.0 20.5 30.7



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: 3.61 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094528.D

Acq: 19 Apr 2017 20:58

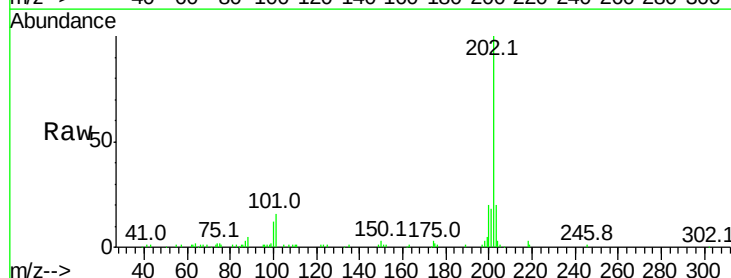
Tgt Ion:202 Resp: 74959

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

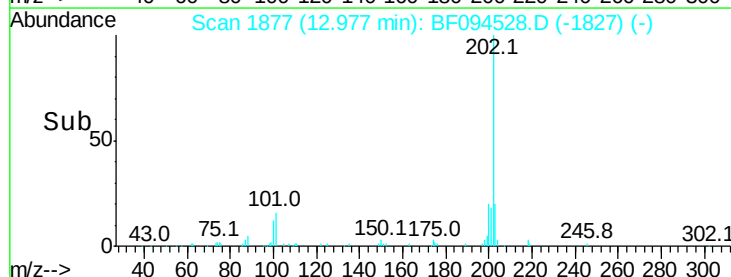
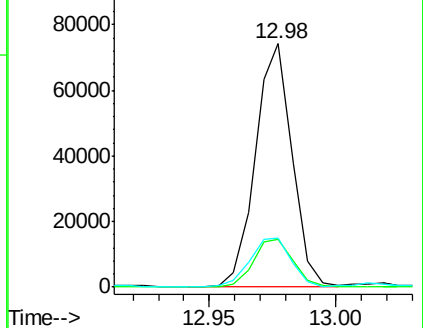
203 19.9 14.4 21.6

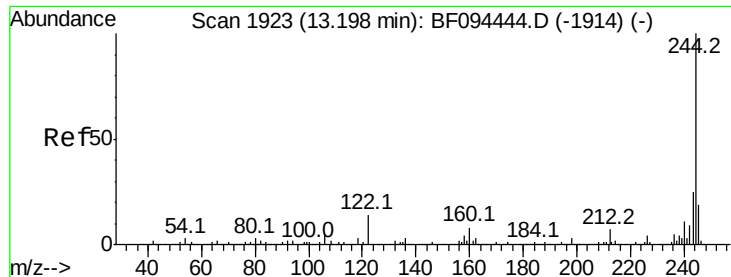


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 22.15 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094528.D

Acq: 19 Apr 2017 20:58

Instrument :

BNA_F

ClientSampleId :

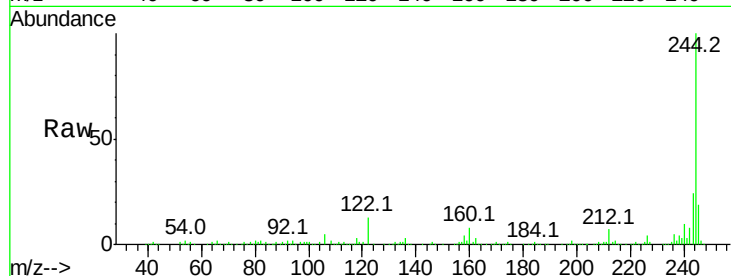
Tot Ion:244 Resp: 246181

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

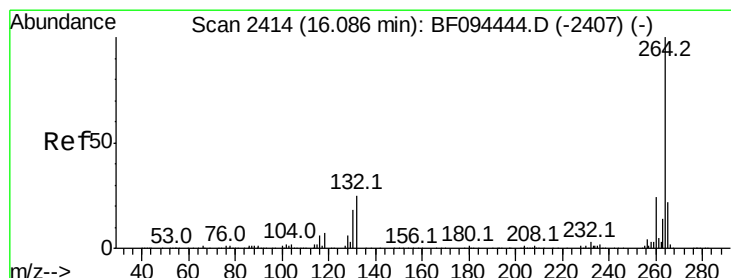
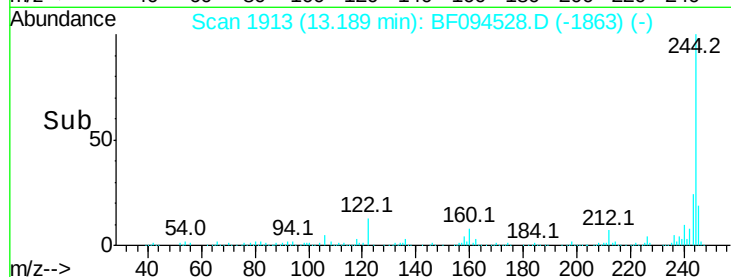
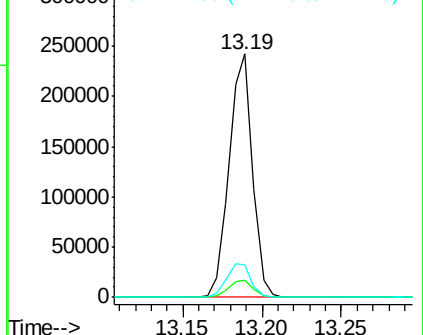
122 13.4 10.3 15.5



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: BF094528.D

Acq: 19 Apr 2017 20:58

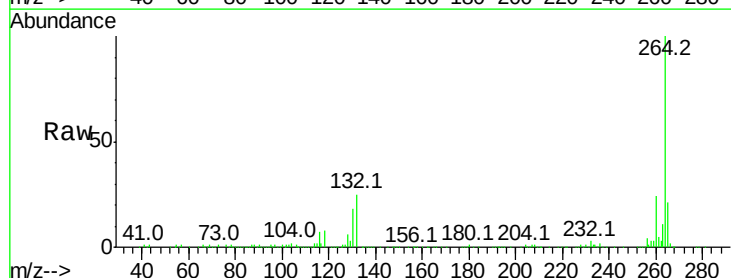
Tgt Ion:264 Resp: 261524

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

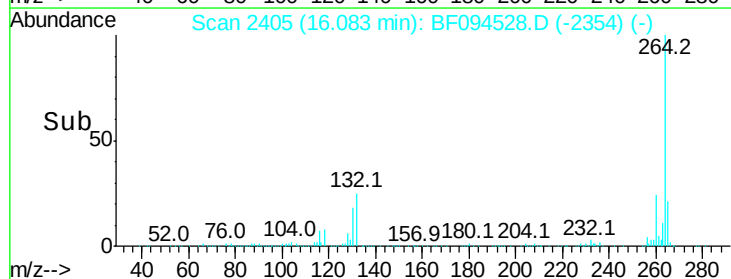
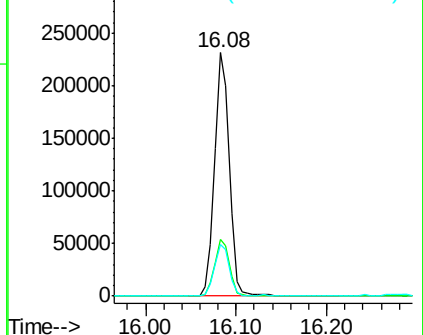
265 21.2 17.2 25.8

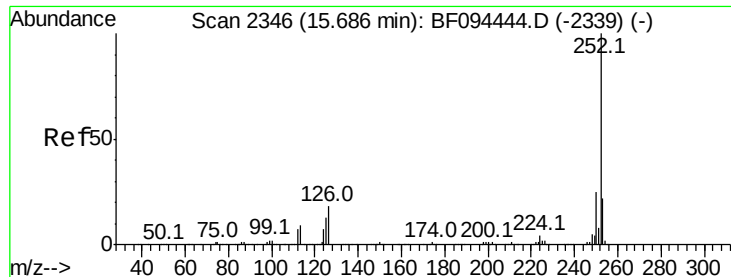


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

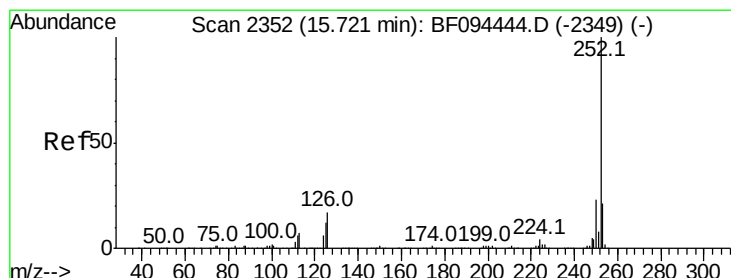
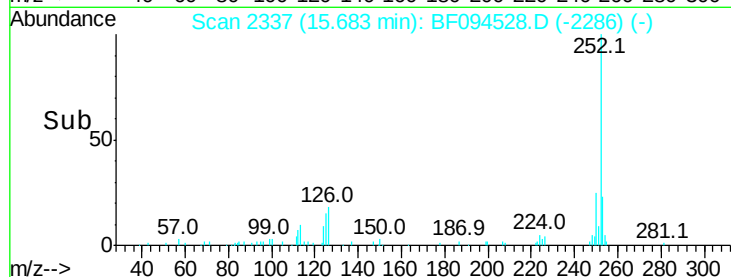
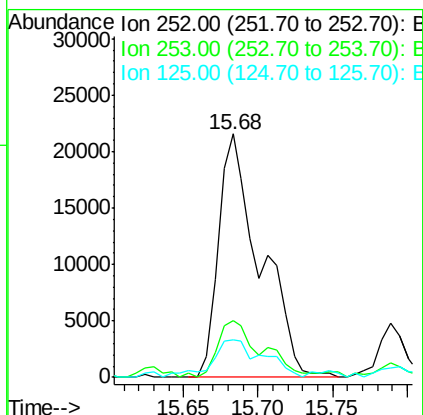
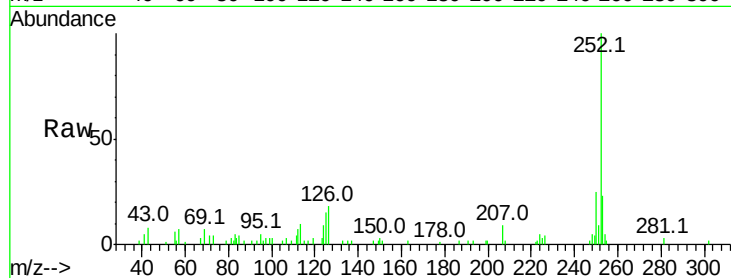




#87
Benzo(b)fluoranthene
Concen: 2.62 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094528.D
Acq: 19 Apr 2017 20:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 41984
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 15.4 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 2.77 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.04 min
Lab File: BF094528.D
Acq: 19 Apr 2017 20:58

Tgt Ion:252 Resp: 41984
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 15.4 13.1 19.7

