

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094751.D
 Acq On : 1 May 2017 15:12
 Operator : SJ/MA
 Sample : I2902-03DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:37:33 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

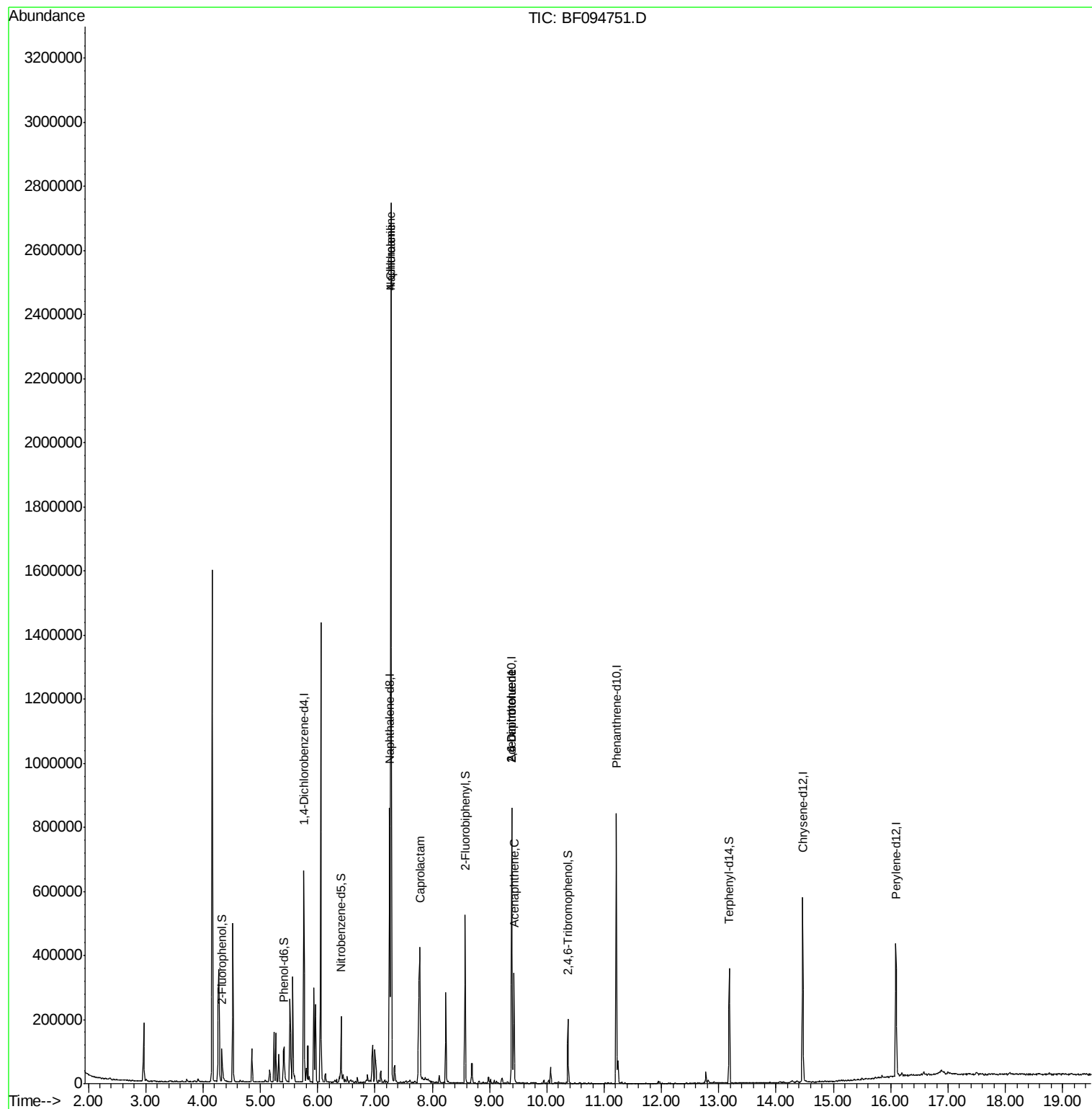
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	102495	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	410626	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	194778	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	326966	20.00	ng	0.00
75) Chrysene-d12	14.47	240	255085	20.00	ng	0.00
86) Perylene-d12	16.09	264	174660	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	42238	6.84	ng	0.03
7) Phenol-d6	5.41	99	30249	4.15	ng	0.01
23) Nitrobenzene-d5	6.41	82	70242	10.56	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	24443	16.04	ng	0.00
44) 2-Fluorobiphenyl	8.57	172	161370	12.19	ng	-0.01
78) Terphenyl-d14	13.18	244	120787	12.66	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.28	128	1283685	65.03	ng	99
33) 4-Chloroaniline	7.28	127	172901	21.05	ng	# 32
35) Caprolactam	7.78	113	74737	41.85	ng	91
50) 2,6-Dinitrotoluene	9.39	165	24256	7.44	ng	# 34
51) Acenaphthene	9.42	154	76117	6.44	ng	98
56) 2,4-Dinitrotoluene	9.39	165	24256	6.07	ng	# 34

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

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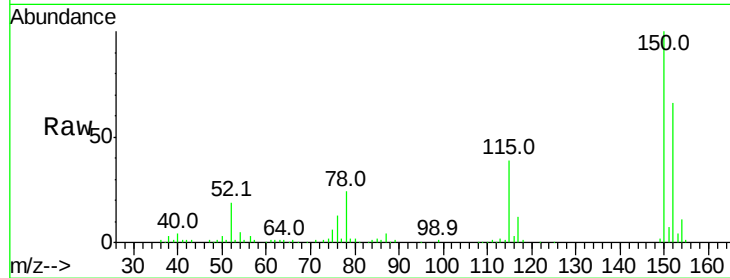


#1

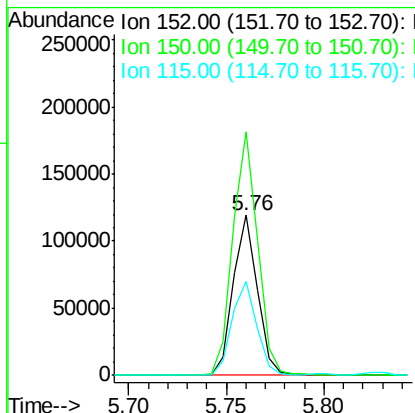
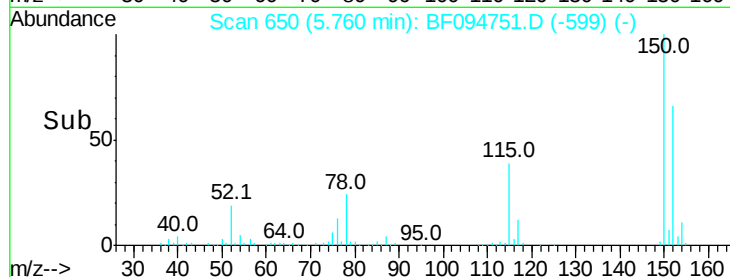
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094751.D
Acq: 1 May 2017 15:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102495
Ion Ratio Lower Upper
152 100
150 152.1 126.2 189.2
115 58.9 52.2 78.2



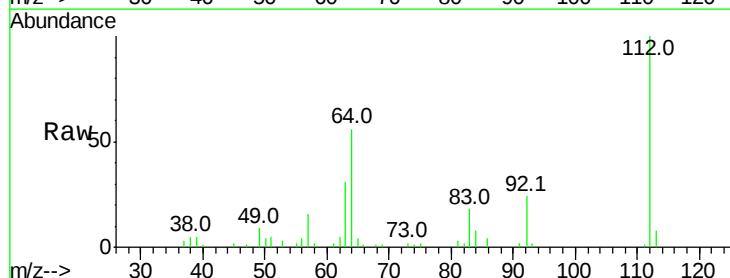
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



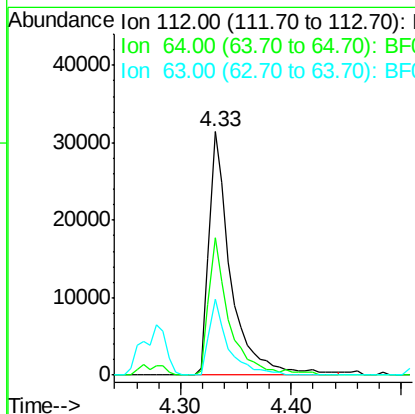
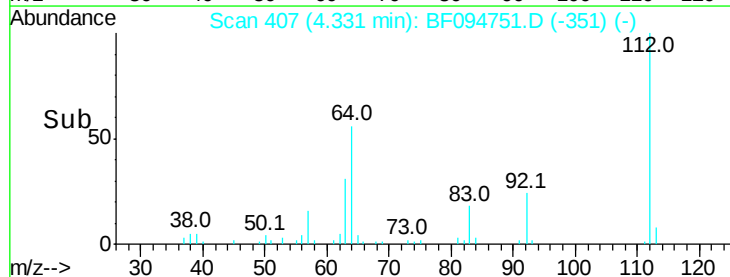
#5

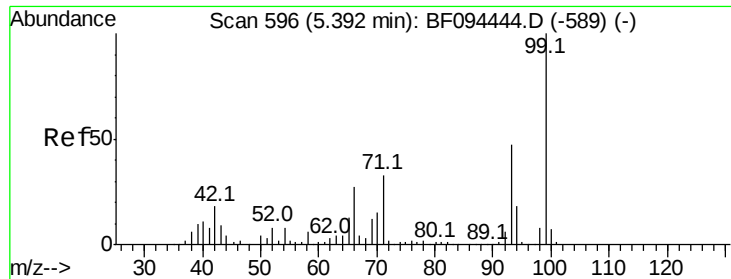
2-Fluorophenol
Concen: 6.84 ng
RT: 4.33 min Scan# 407
Delta R.T. 0.03 min
Lab File: BF094751.D
Acq: 1 May 2017 15:12

Tgt Ion:112 Resp: 42238
Ion Ratio Lower Upper
112 100
64 56.4 46.0 69.0
63 31.0 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: 4.15 ng

RT: 5.41 min Scan# 590

Delta R.T. 0.01 min

Lab File: BF094751.D

Acq: 1 May 2017 15:12

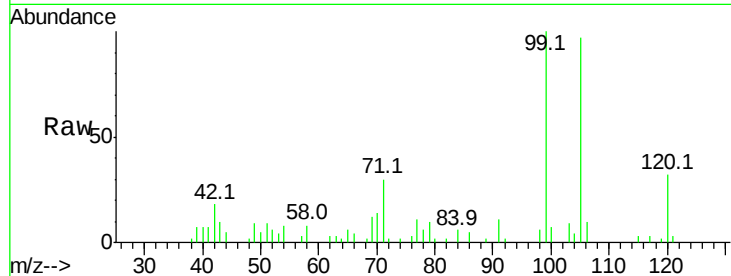
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 30249

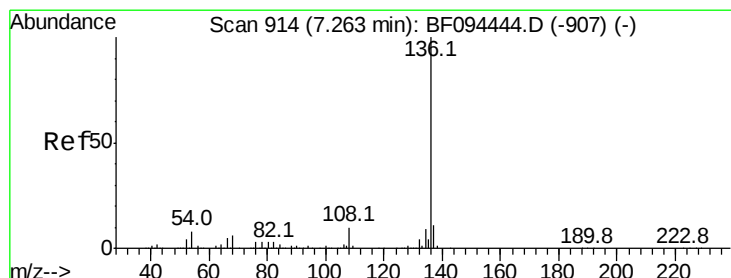
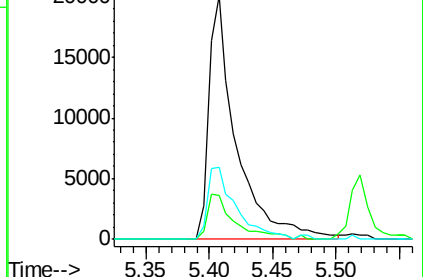
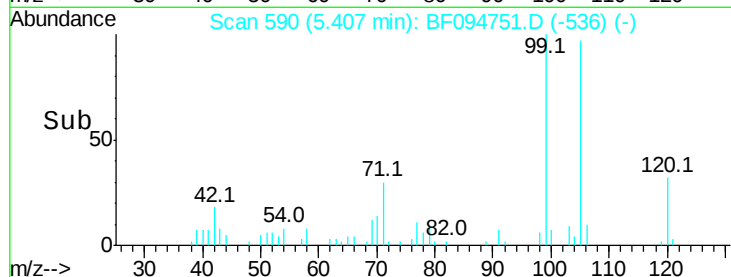
Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.5	20.3
71	29.5	24.5	36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

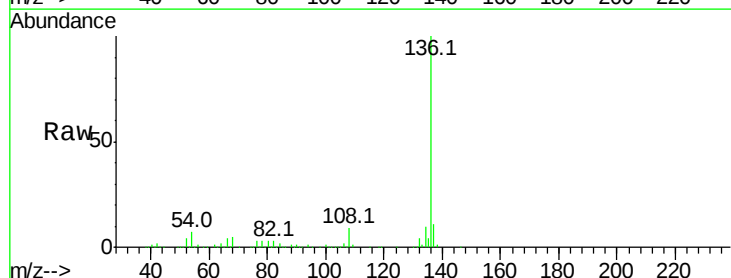
Delta R.T. -0.01 min

Lab File: BF094751.D

Acq: 1 May 2017 15:12

Tgt Ion: 136 Resp: 410626

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.1	4.9	7.3
68	5.3	4.1	6.1

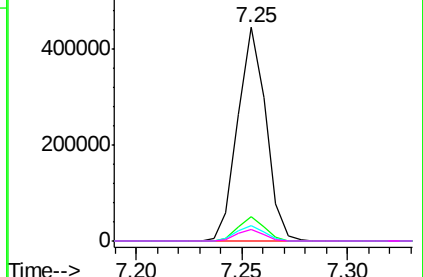
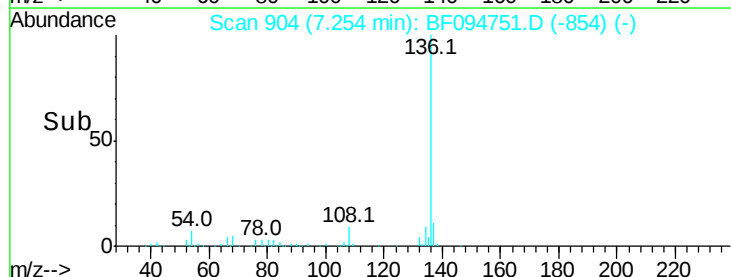


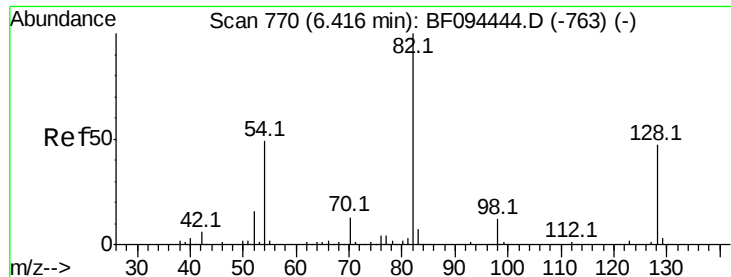
Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.56 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094751.D

Acq: 1 May 2017 15:12

Instrument :

BNA_F

ClientSampled :

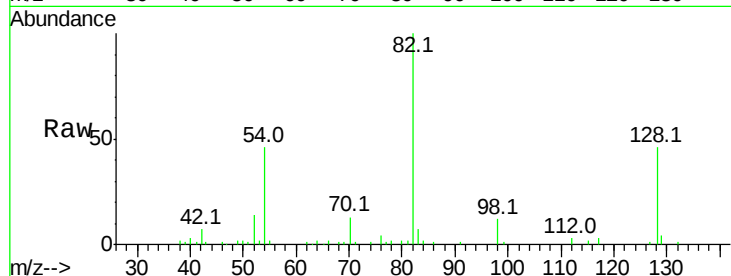
Tot Ion: 82 Resp: 70242

Ion Ratio Lower Upper

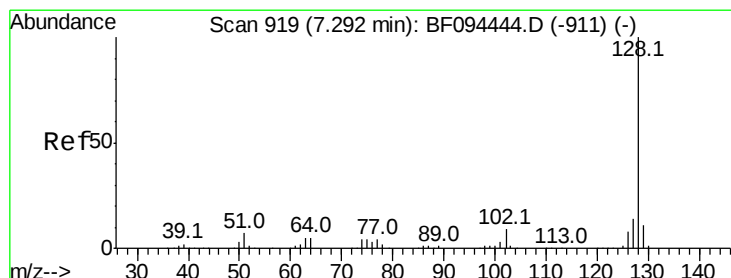
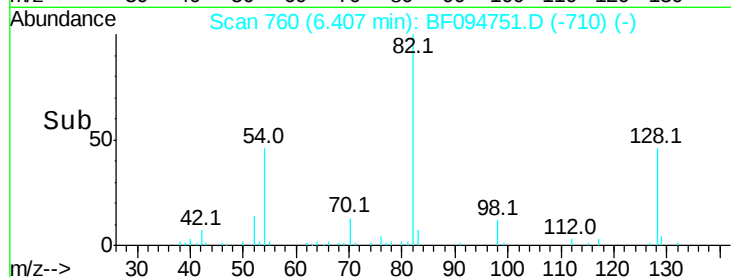
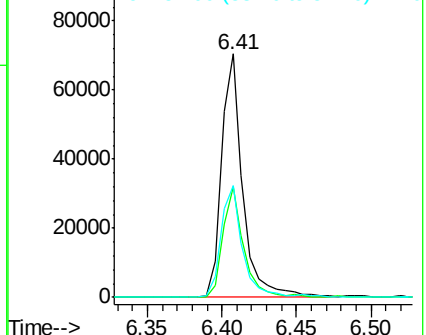
82 100

128 45.6 34.0 51.0

54 45.8 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



#31

Naphthalene

Concen: 65.03 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF094751.D

Acq: 1 May 2017 15:12

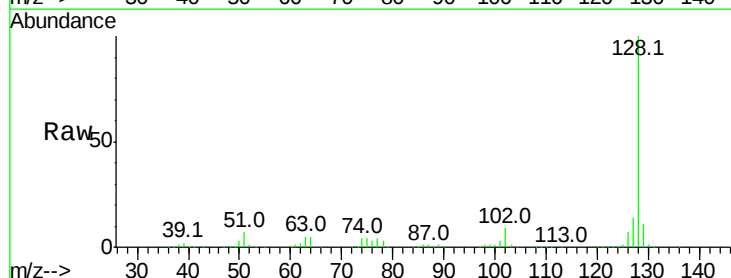
Tgt Ion:128 Resp: 1283685

Ion Ratio Lower Upper

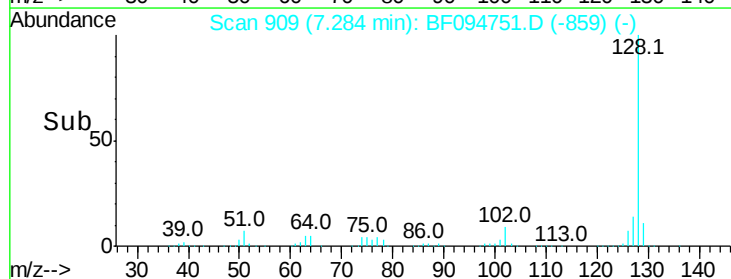
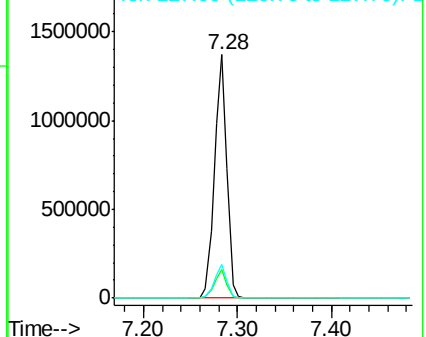
128 100

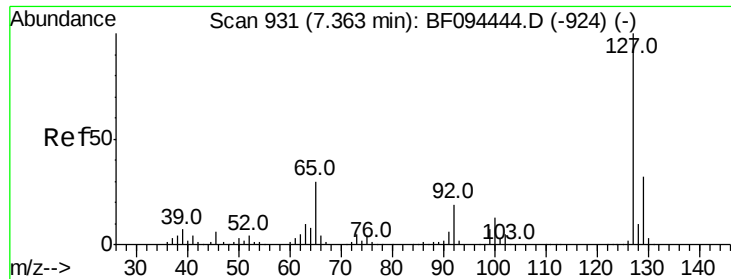
129 11.5 9.0 13.6

127 13.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

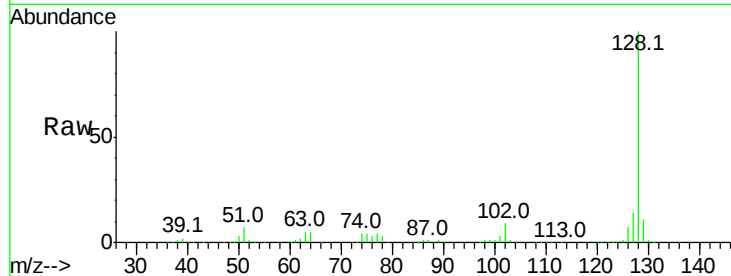




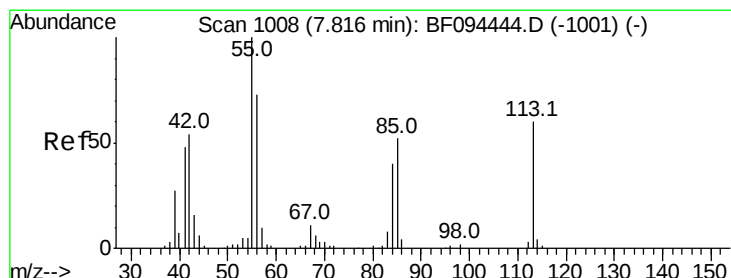
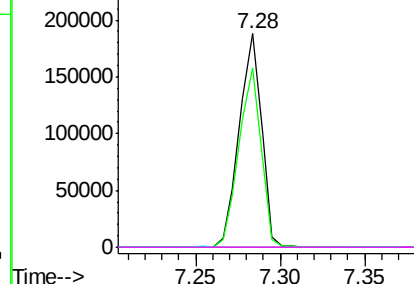
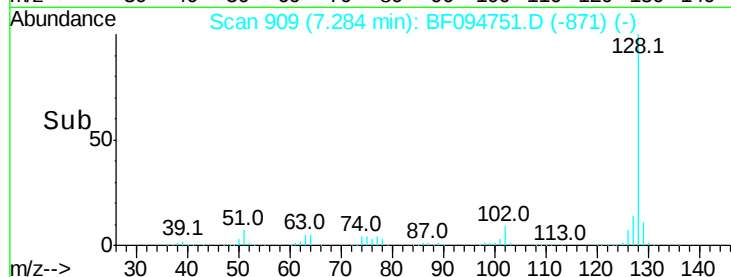
#33
4-Chloroaniline
Concen: 21.05 ng
RT: 7.28 min Scan# 909
Delta R.T. -0.08 min
Lab File: BF094751.D
Acq: 1 May 2017 15:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	172901
Ion	Ratio	Lower	Upper
127	100		
129	83.8	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

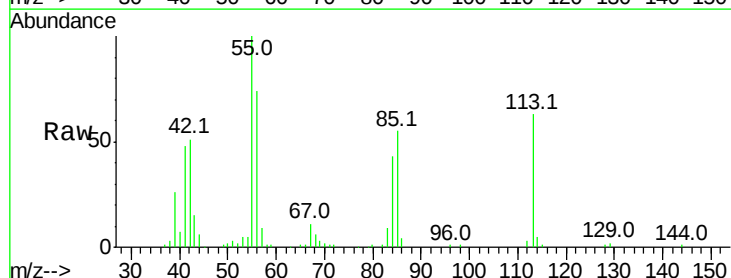


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

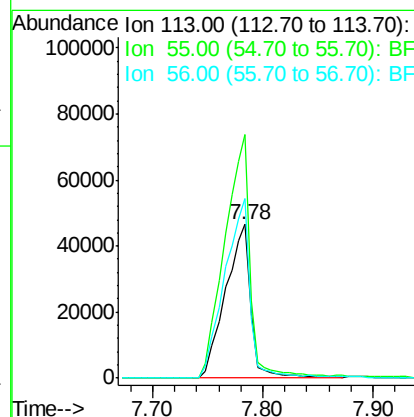
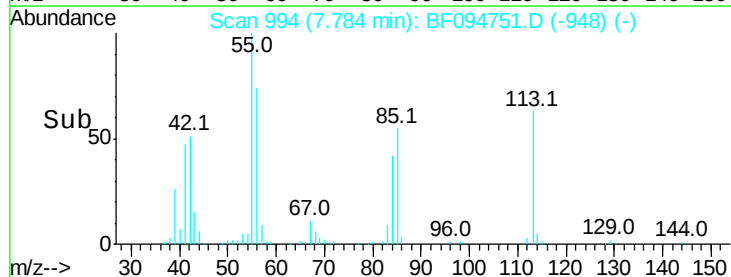


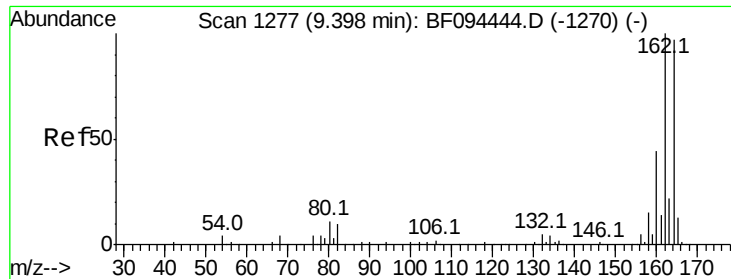
#35
Caprolactam
Concen: 41.85 ng
RT: 7.78 min Scan# 994
Delta R.T. -0.03 min
Lab File: BF094751.D
Acq: 1 May 2017 15:12

Tgt Ion:	113	Resp:	74737
Ion	Ratio	Lower	Upper
113	100		
55	158.4	150.2	190.2
56	116.5	107.8	147.8



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

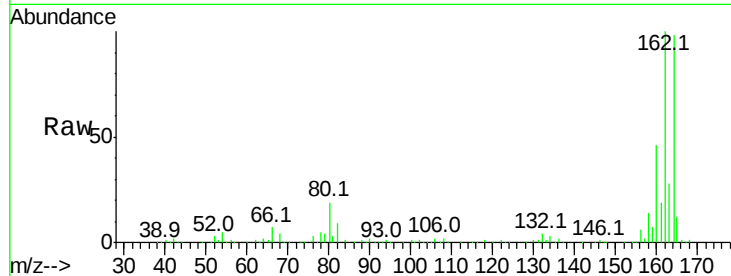




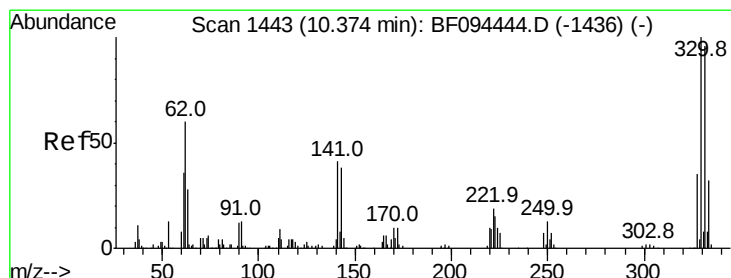
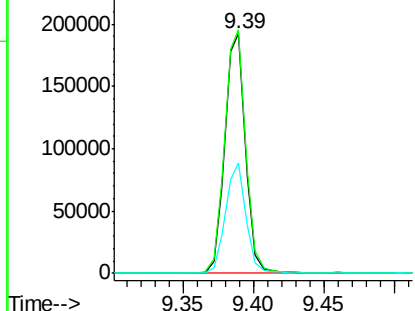
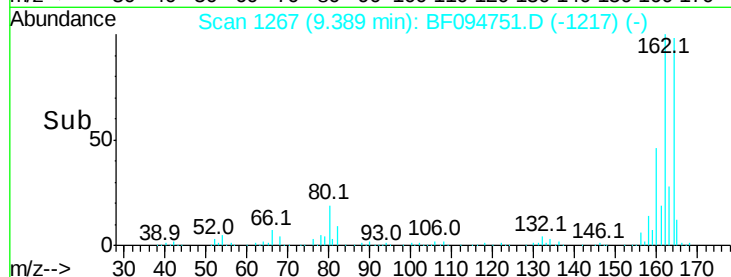
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094751.D
 Acq: 1 May 2017 15:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 194778
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.6 123.8
 160 46.3 36.2 54.2

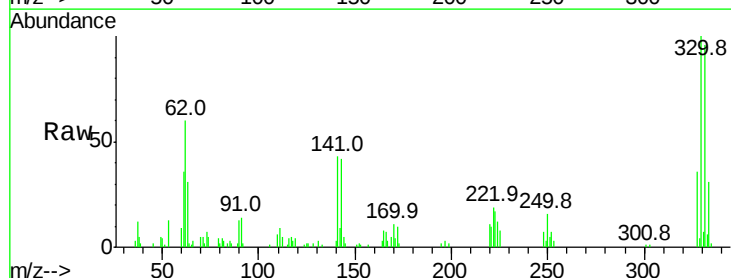


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

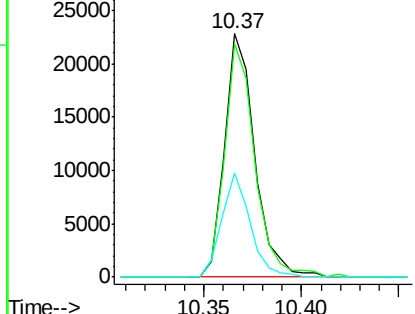
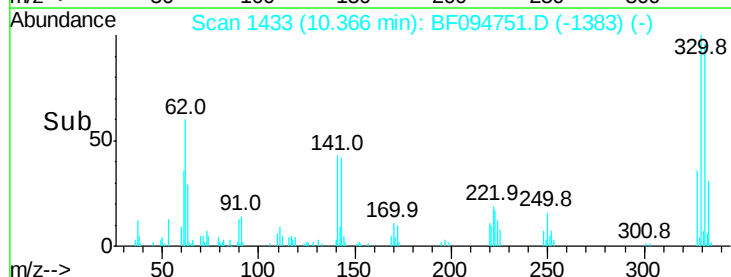


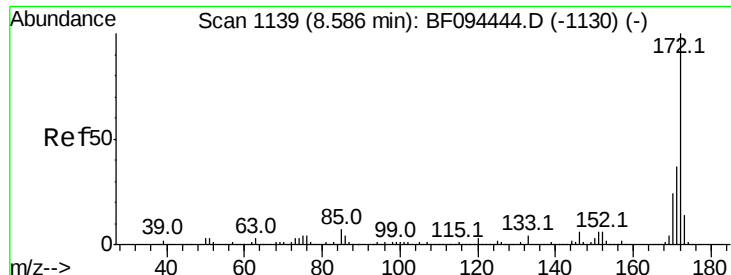
#41
 2,4,6-Tribromophenol
 Concen: 16.04 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094751.D
 Acq: 1 May 2017 15:12

Tgt Ion:330 Resp: 24443
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 40.4 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

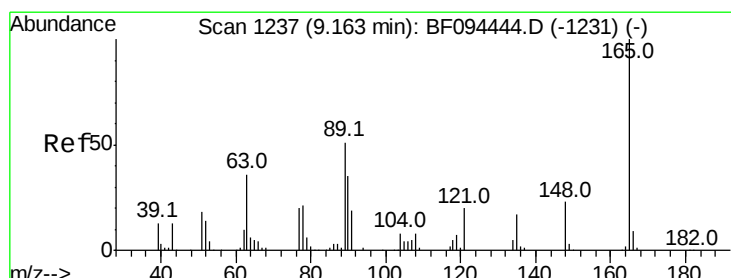
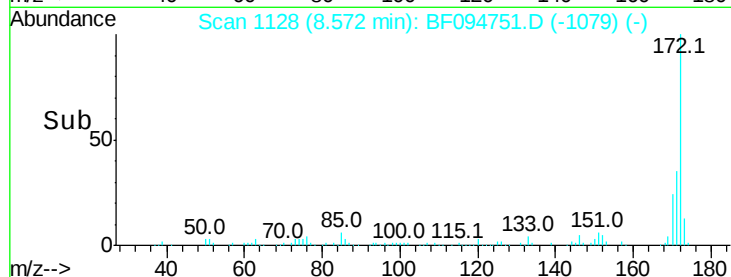
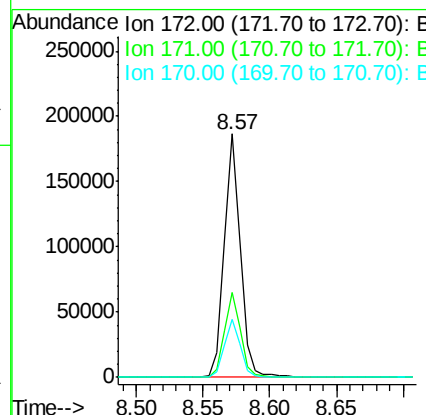
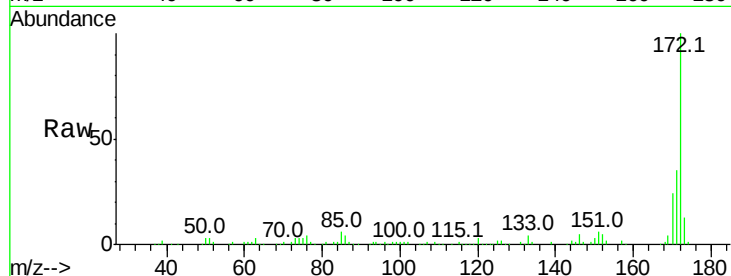




#44
 2-Fluorobiphenyl
 Concen: 12.19 ng
 RT: 8.57 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF094751.D
 Acq: 1 May 2017 15:12

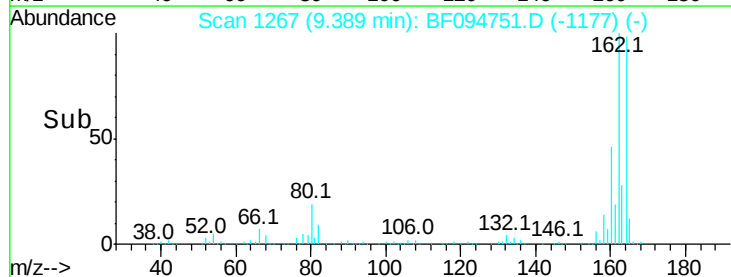
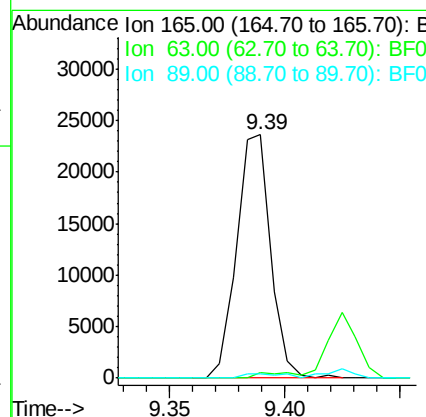
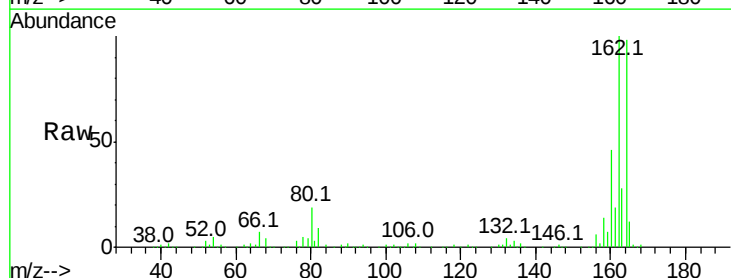
Instrument :
 BNA_F
 ClientSampleId :

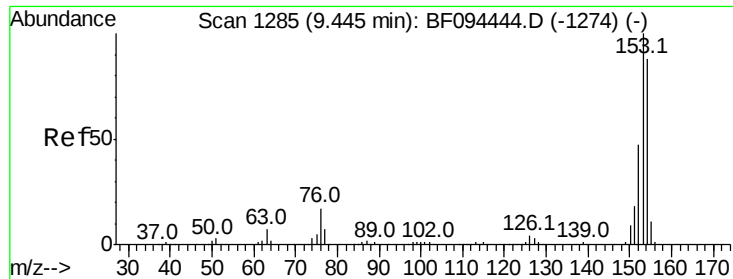
Tot Ion:172 Resp: 161370
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.6 44.4
 170 23.7 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.44 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. 0.23 min
 Lab File: BF094751.D
 Acq: 1 May 2017 15:12

Tgt Ion:165 Resp: 24256
 Ion Ratio Lower Upper
 165 100
 63 2.1 34.3 51.5#
 89 1.7 37.1 55.7#





#51

Acenaphthene

Concen: 6.44 ng

RT: 9.42 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF094751.D

Acq: 1 May 2017 15:12

Instrument :

BNA_F

ClientSampleId :

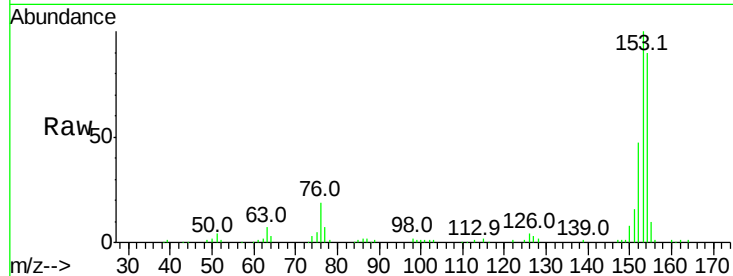
Tot Ion:154 Resp: 76117

Ion Ratio Lower Upper

154 100

153 111.5 90.5 135.7

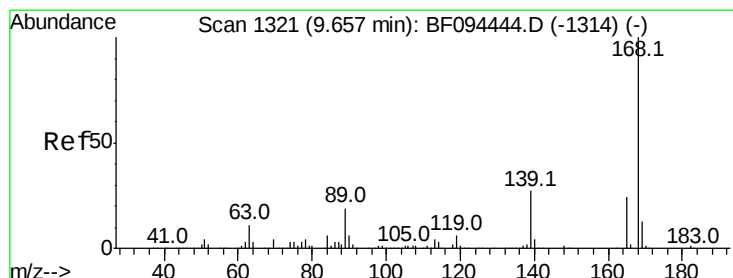
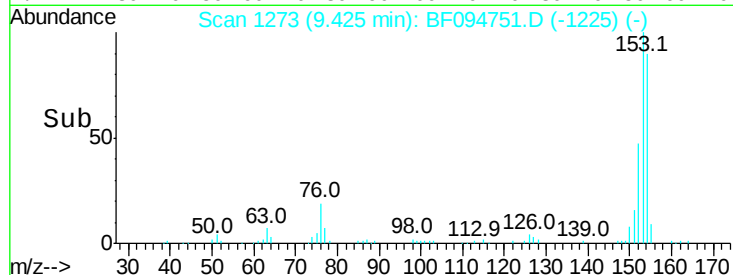
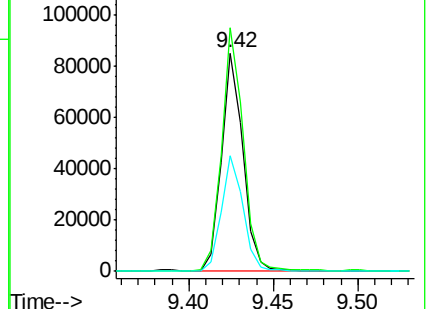
152 52.9 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 6.07 ng

RT: 9.39 min Scan# 1267

Delta R.T. -0.27 min

Lab File: BF094751.D

Acq: 1 May 2017 15:12

Tgt Ion:165 Resp: 24256

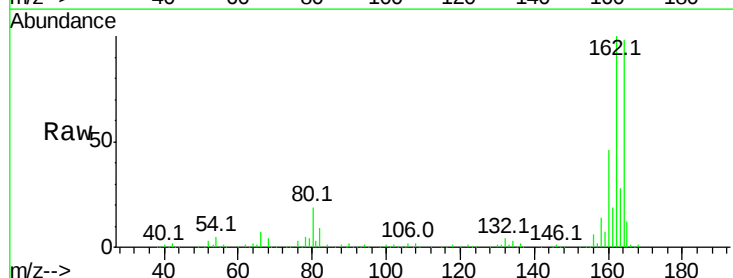
Ion Ratio Lower Upper

165 100

63 2.1 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

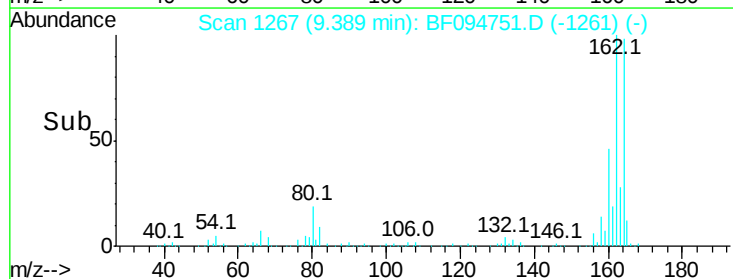
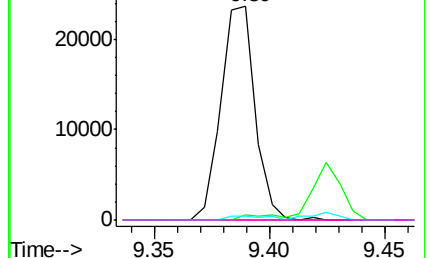


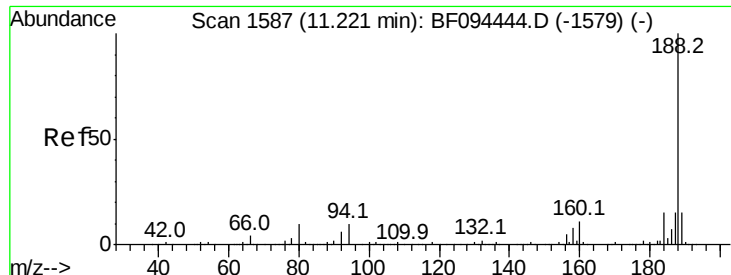
Abundance Ion 165.00 (164.70 to 165.70): E

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

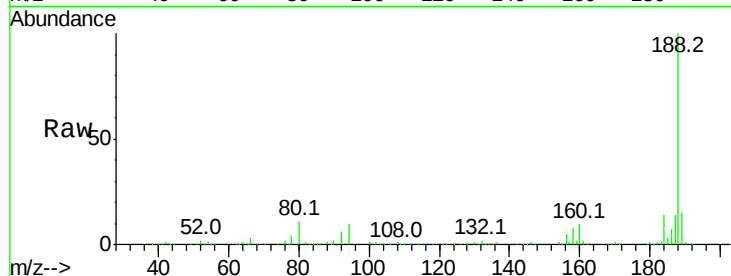




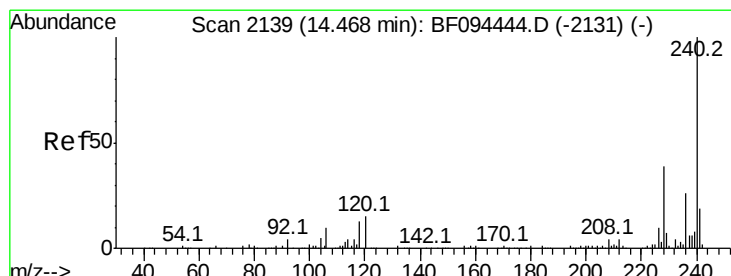
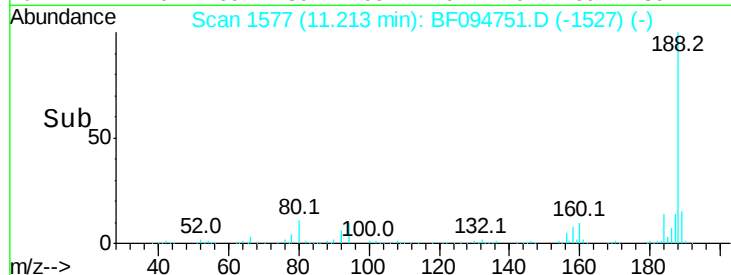
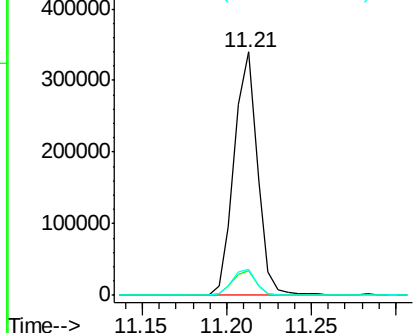
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF094751.D
Acq: 1 May 2017 15:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 326966
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 10.7 10.2 15.2

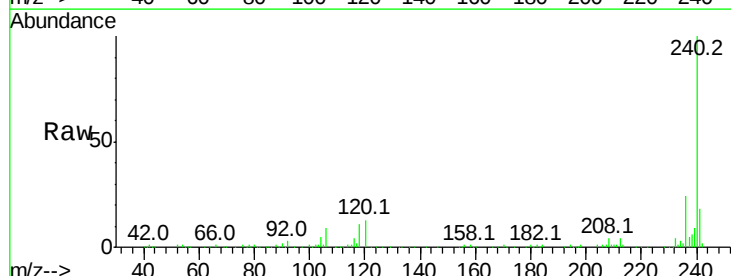


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

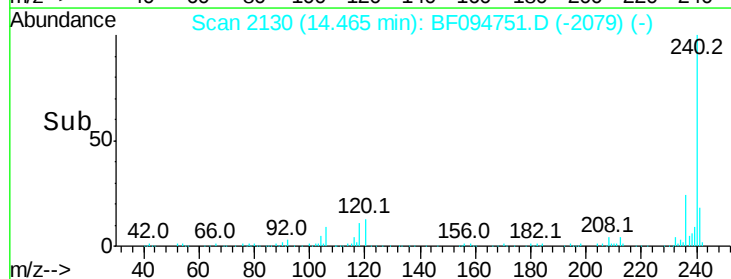
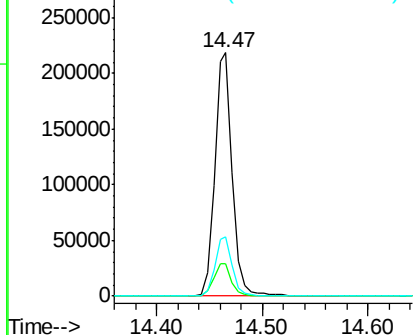


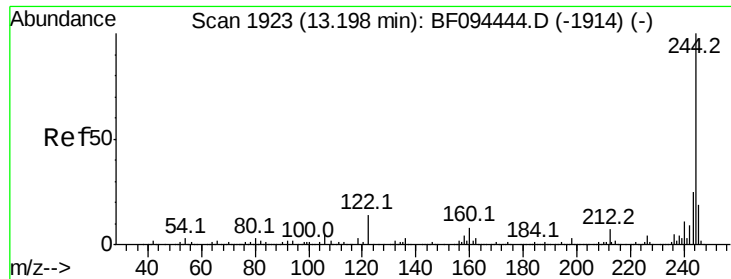
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.47 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BF094751.D
Acq: 1 May 2017 15:12

Tgt Ion:240 Resp: 255085
Ion Ratio Lower Upper
240 100
120 13.3 5.8 8.8#
236 24.1 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

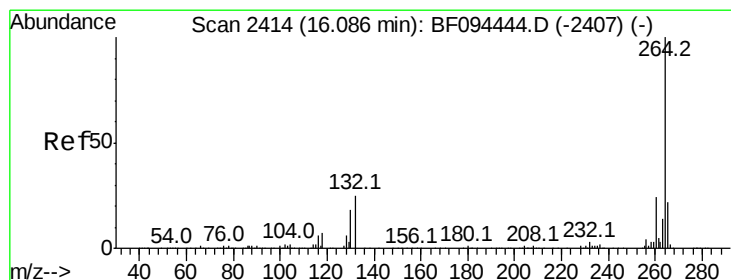
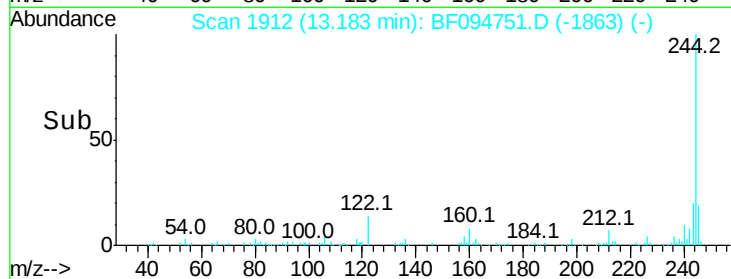
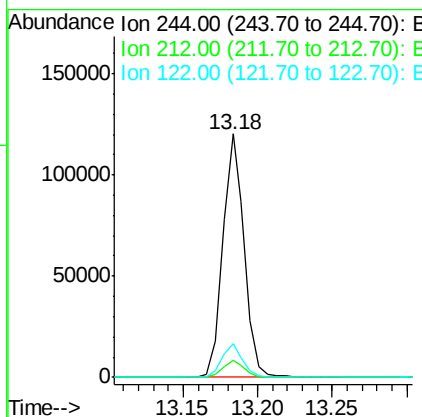
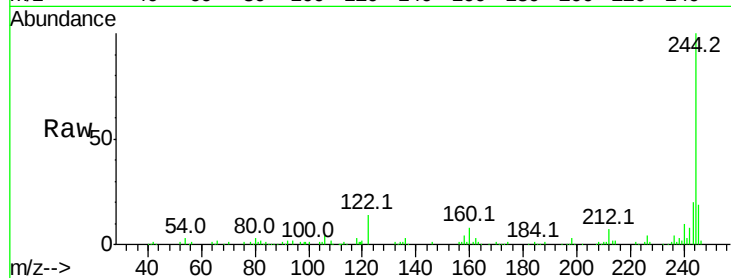




#78
 Terphenyl-d14
 Concen: 12.66 ng
 RT: 13.18 min Scan# 1912
 Delta R.T. -0.01 min
 Lab File: BF094751.D
 Acq: 1 May 2017 15:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 120787
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.0 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2406
 Delta R.T. 0.00 min
 Lab File: BF094751.D
 Acq: 1 May 2017 15:12

Tgt Ion:264 Resp: 174660
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.5 29.3
 265 19.8 17.2 25.8

