

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094381.D
 Acq On : 12 Apr 2017 6:58
 Operator : SJ/MA
 Sample : I2598-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 07:51:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

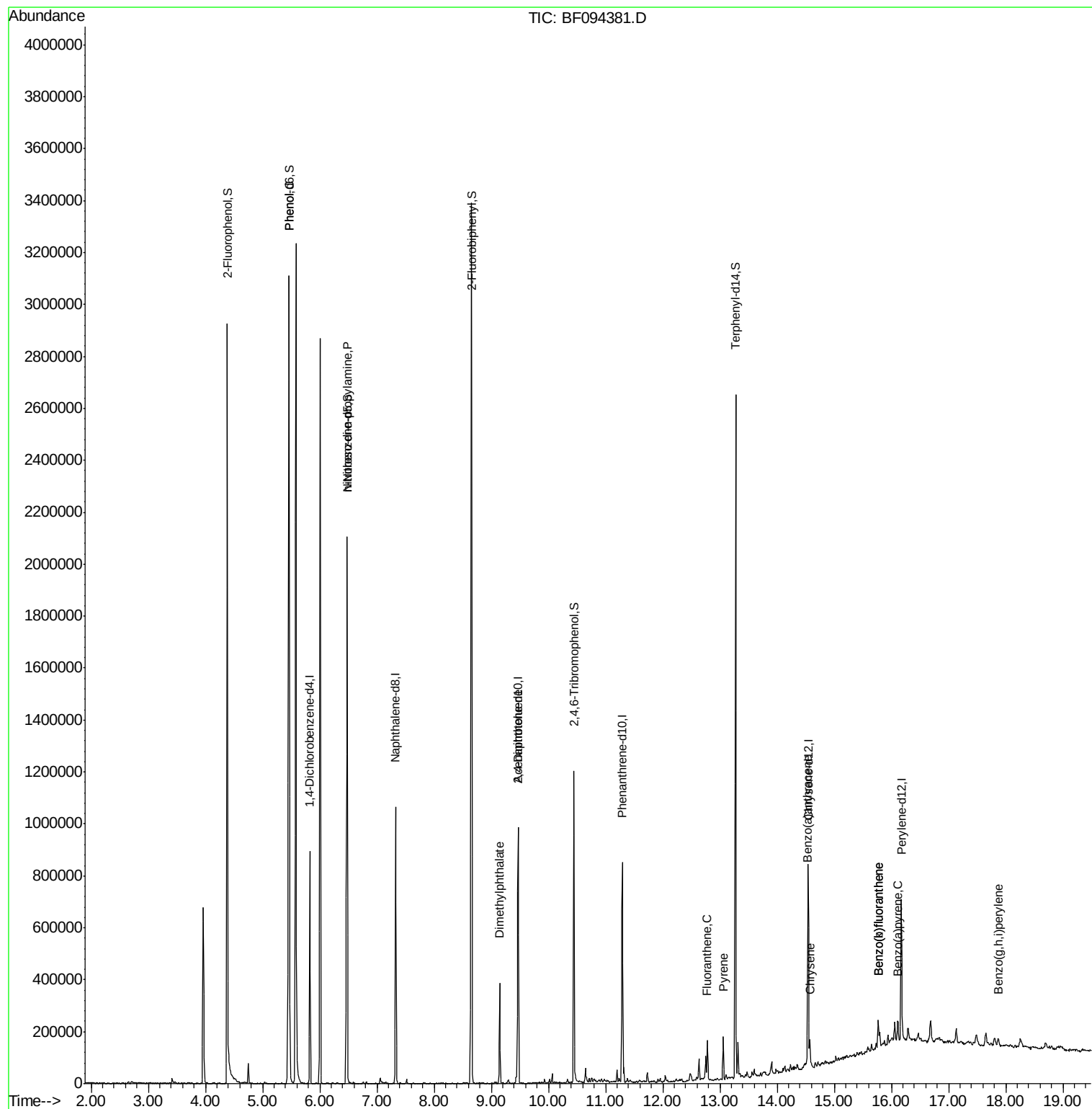
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.83	152	137753	20.00	ng	-0.03
21) Naphthalene-d8	7.33	136	517506	20.00	ng	-0.04
38) Acenaphthene-d10	9.47	164	204618	20.00	ng	-0.03
63) Phenanthrene-d10	11.29	188	331238	20.00	ng	-0.03
75) Chrysene-d12	14.54	240	293885	20.00	ng	-0.03
86) Perylene-d12	16.17	264	212992	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.38	112	981046	120.29	ng	0.00
7) Phenol-d6	5.46	99	1338710	132.68	ng	0.00
23) Nitrobenzene-d5	6.48	82	844845	93.17	ng	-0.03
41) 2,4,6-Tribromophenol	10.45	330	142129	87.90	ng	-0.03
44) 2-Fluorobiphenyl	8.66	172	1324783	98.75	ng	-0.03
78) Terphenyl-d14	13.27	244	905520	69.06	ng	-0.02
Target Compounds						
10) Phenol	5.47	94	81584	7.11	ng	Qvalue 94
19) n-Nitroso-di-n-propylamine	6.48	70	112154	17.30	ng	# 76
49) Dimethylphthalate	9.15	163	172416	11.85	ng	98
56) 2,4-Dinitrotoluene	9.47	165	25776	6.15	ng	# 34
74) Fluoranthene	12.78	202	64238	3.40	ng	99
77) Pyrene	13.06	202	67075	3.14	ng	98
80) Benzo(a)anthracene	14.53	228	35113	2.05	ng	98
82) Chrysene	14.57	228	43438	2.73	ng	98
87) Benzo(b)fluoranthene	15.77	252	73573	5.64	ng	# 96
88) Benzo(k)fluoranthene	15.77	252	73573	5.76	ng	97
89) Benzo(a)pyrene	16.11	252	34324	2.85	ng	# 95
91) Benzo(a,h,i)perylene	17.87	276	20857	2.03	ng	97

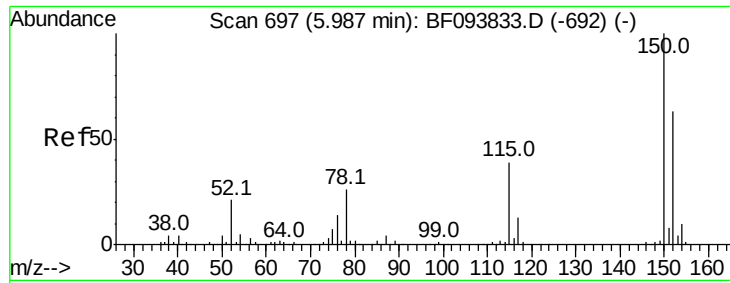
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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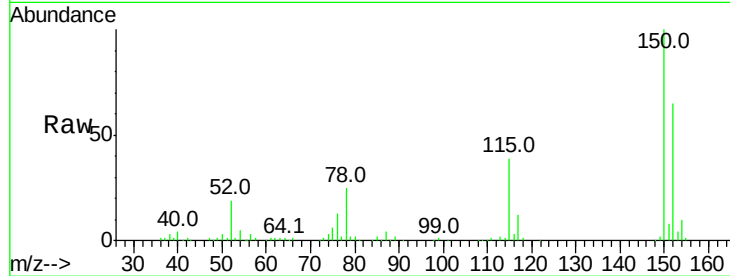


#1

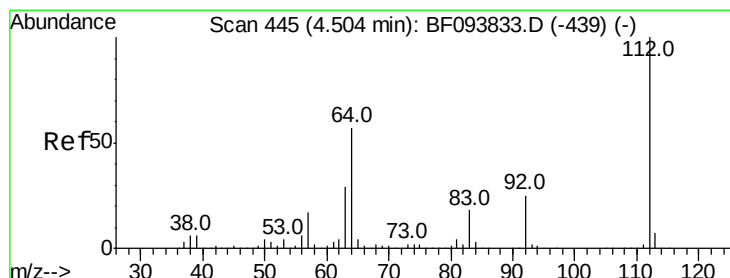
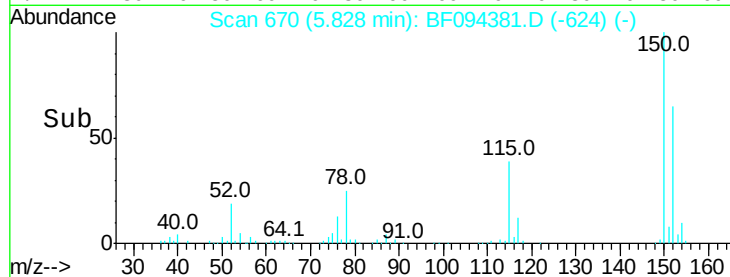
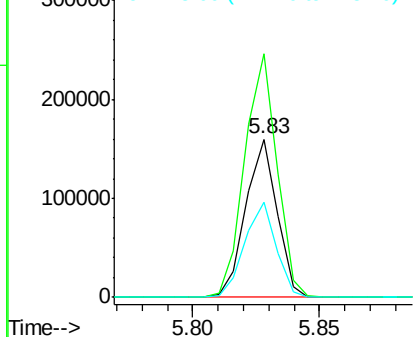
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.83 min Scan# 670
Delta R.T. -0.03 min
Lab File: BF094381.D
Acq: 12 Apr 2017 6:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137753
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.2
115 60.4 52.2 78.2



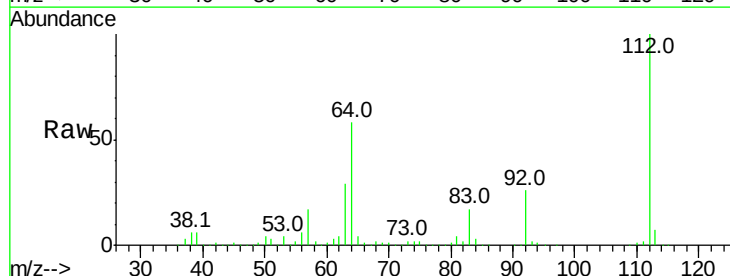
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



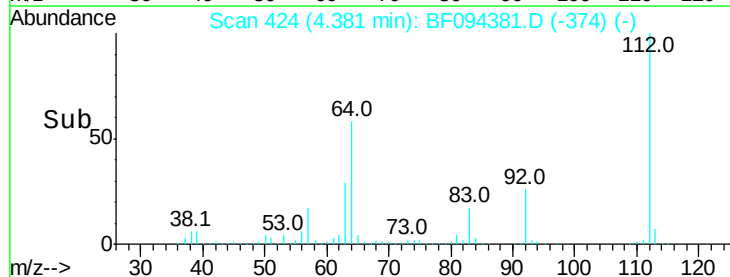
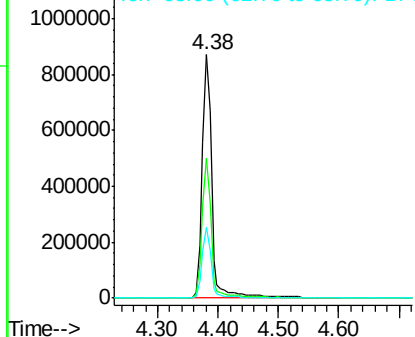
#5

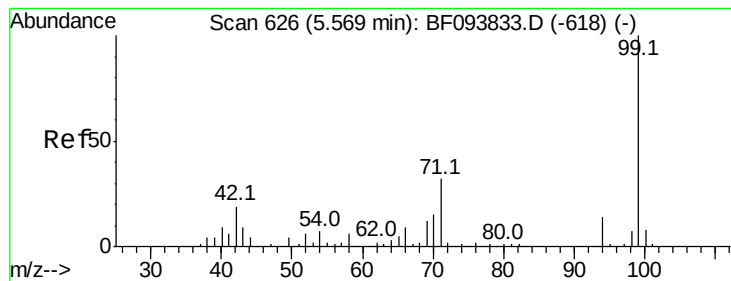
2-Fluorophenol
Concen: 120.29 ng
RT: 4.38 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF094381.D
Acq: 12 Apr 2017 6:58

Tgt Ion:112 Resp: 981046
Ion Ratio Lower Upper
112 100
64 57.7 46.0 69.0
63 29.0 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: 132.68 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.00 min

Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

Instrument :

BNA_F

ClientSampled :

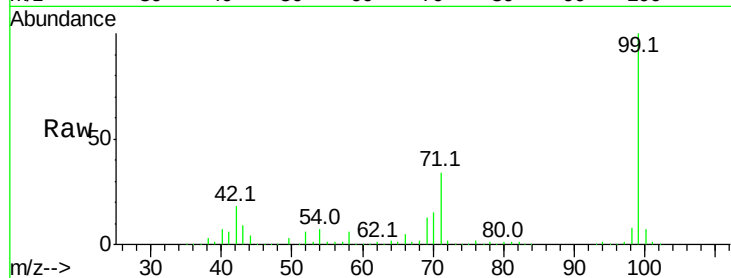
Tot Ion: 99 Resp: 1338710

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

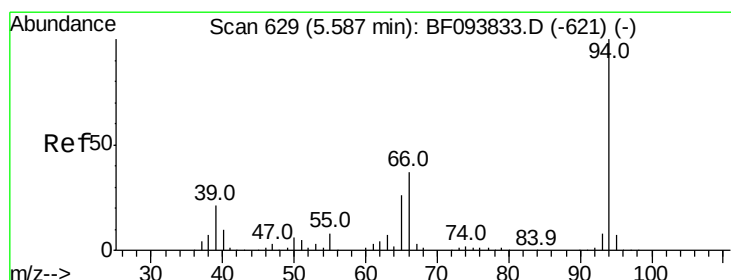
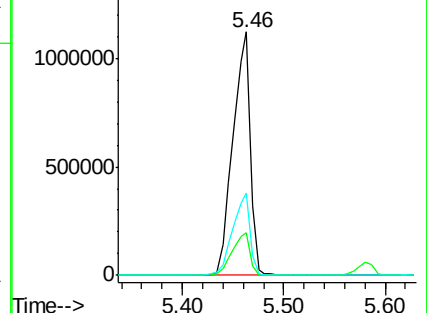
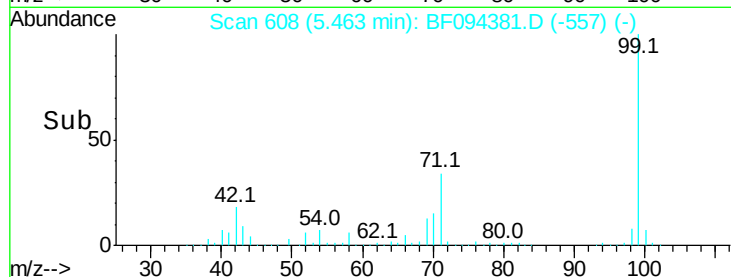
71 33.7 24.5 36.7



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



#10

Phenol

Concen: 7.11 ng

RT: 5.47 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

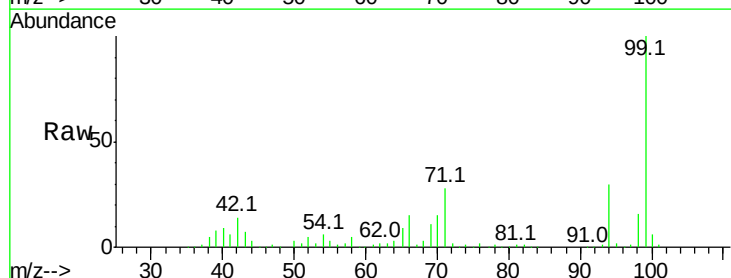
Tgt Ion: 94 Resp: 81584

Ion Ratio Lower Upper

94 100

65 30.9 9.9 49.9

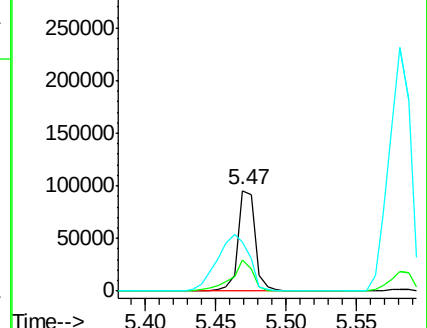
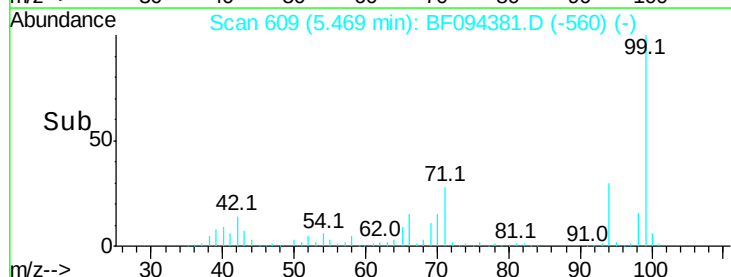
66 49.2 23.1 63.1

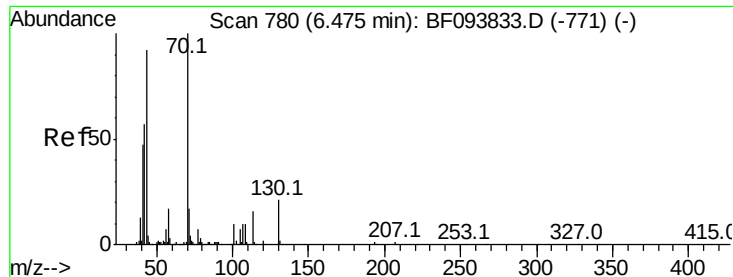


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 17.30 ng

RT: 6.48 min Scan# 781

Delta R.T. 0.14 min

Lab File: BF094381.D

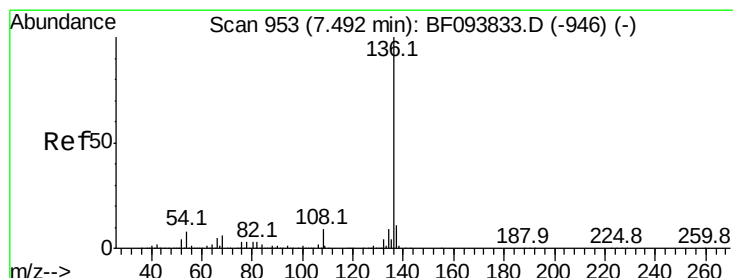
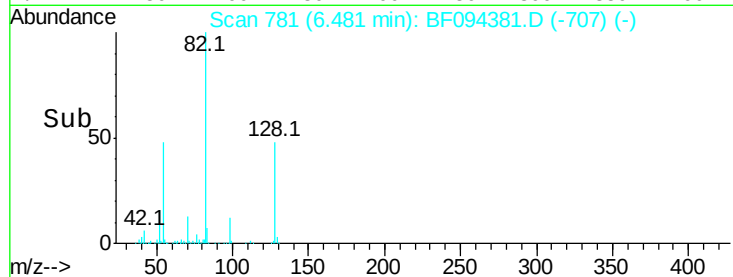
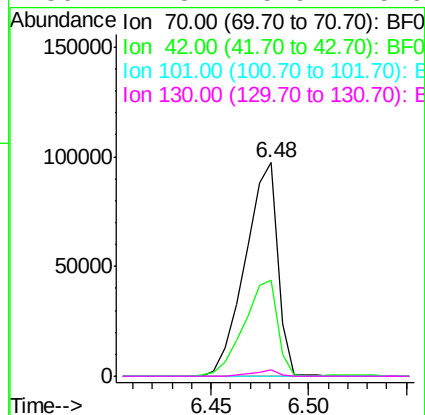
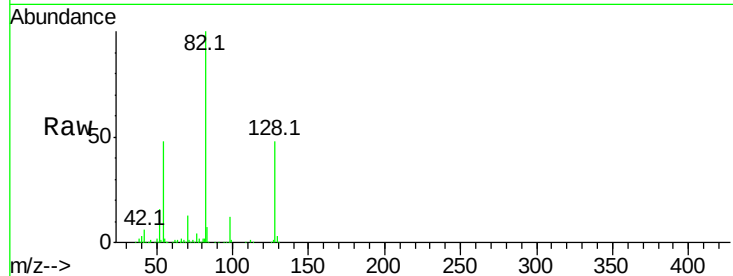
Acq: 12 Apr 2017 6:58

Instrument :

BNA_F

ClientSampled :

Tot Ion:	70	Resp:	112154
Ion	Ratio	Lower	Upper
70	100		
42	44.8	47.2	70.8#
101	0.0	7.2	10.8#
130	2.8	15.9	23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

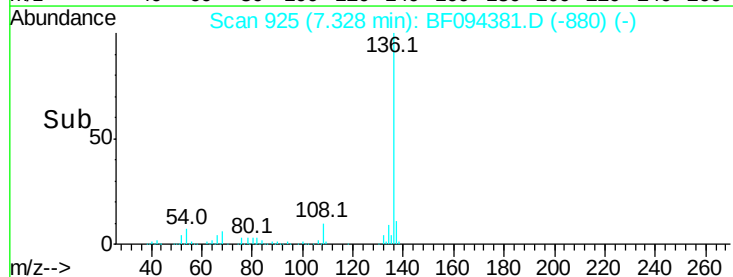
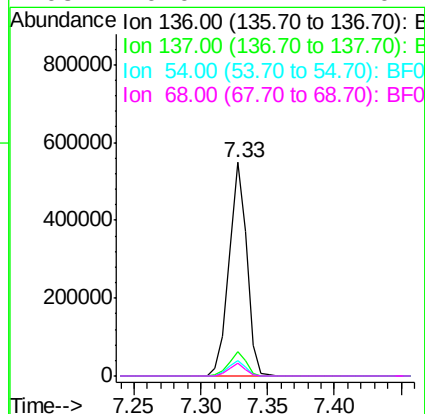
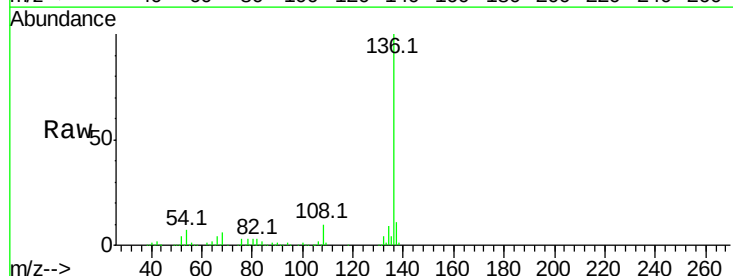
RT: 7.33 min Scan# 925

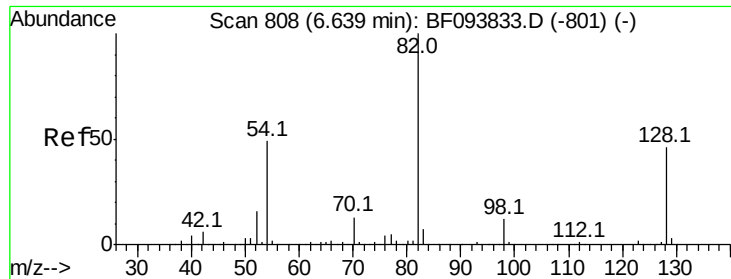
Delta R.T. -0.04 min

Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

Tgt Ion:	136	Resp:	517506
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	7.1	4.9	7.3
68	6.0	4.1	6.1

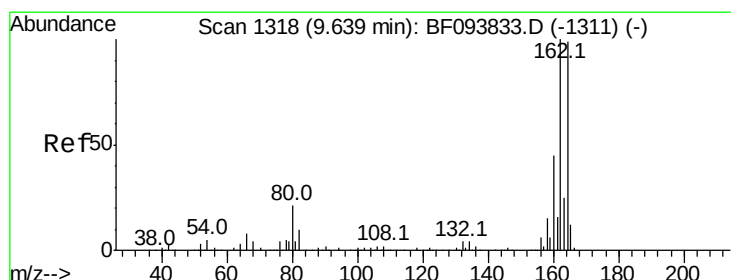
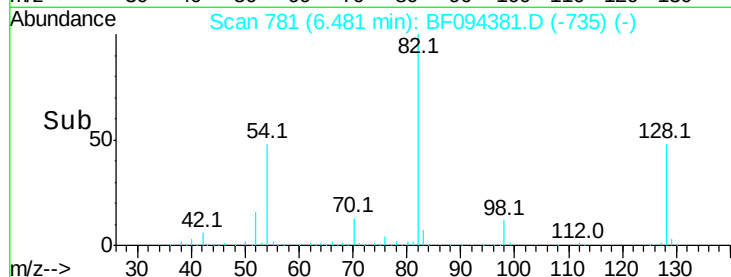
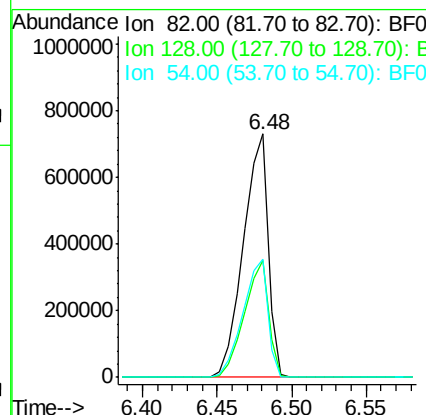
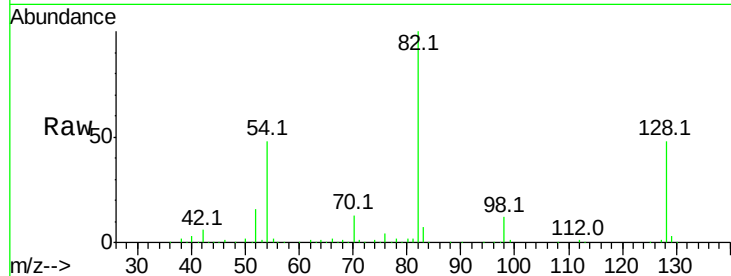




#23
 Nitrobenzene-d5
 Concen: 93.17 ng
 RT: 6.48 min Scan# 781
 Delta R.T. -0.03 min
 Lab File: BF094381.D
 Acq: 12 Apr 2017 6:58

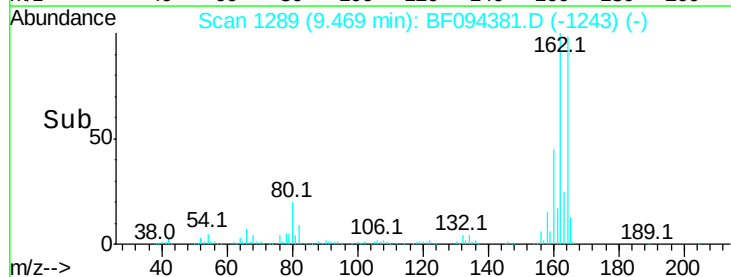
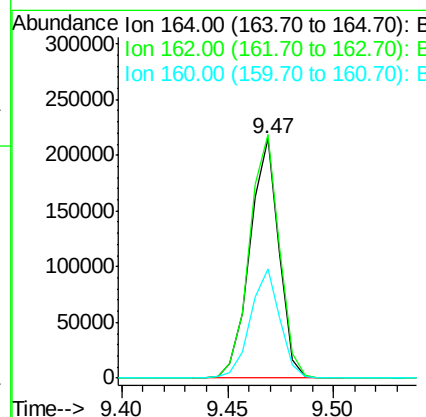
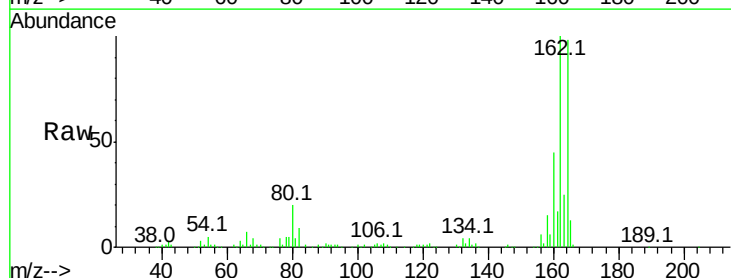
Instrument :
 BNA_F
 ClientSampleID :

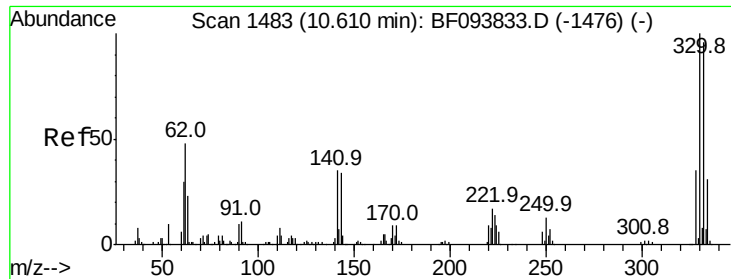
Tot Ion	82	Resp	844845
Ion Ratio	100	Lower	Upper
128	48.2	34.0	51.0
54	48.4	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.03 min
 Lab File: BF094381.D
 Acq: 12 Apr 2017 6:58

Tgt Ion	164	Resp	204618
Ion Ratio	100	Lower	Upper
162	101.8	82.6	123.8
160	45.5	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 87.90 ng

RT: 10.45 min Scan# 1455

Delta R.T. -0.03 min

Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

Instrument :

BNA_F

ClientSampled :

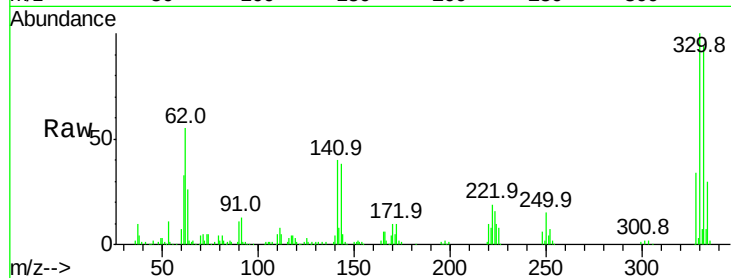
Tot Ion:330 Resp: 142129

Ion Ratio Lower Upper

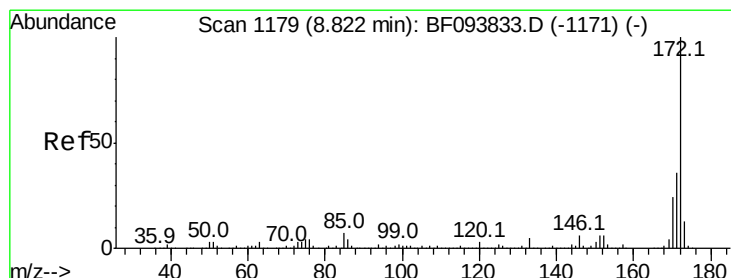
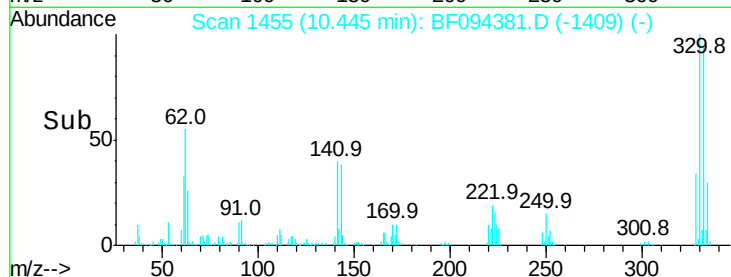
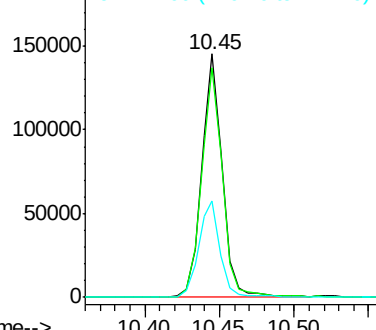
330 100

332 96.5 76.6 115.0

141 41.5 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: 98.75 ng

RT: 8.66 min Scan# 1151

Delta R.T. -0.03 min

Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

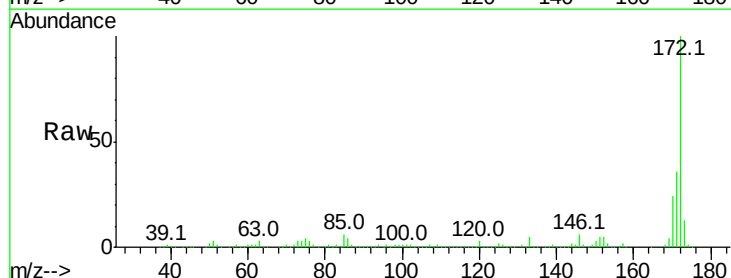
Tgt Ion:172 Resp: 1324783

Ion Ratio Lower Upper

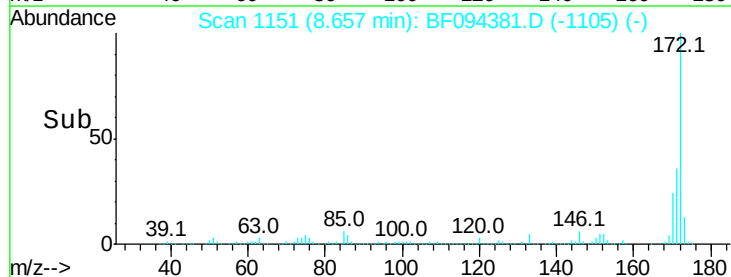
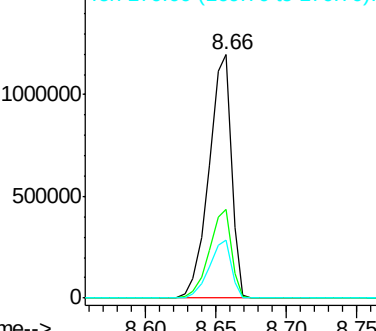
172 100

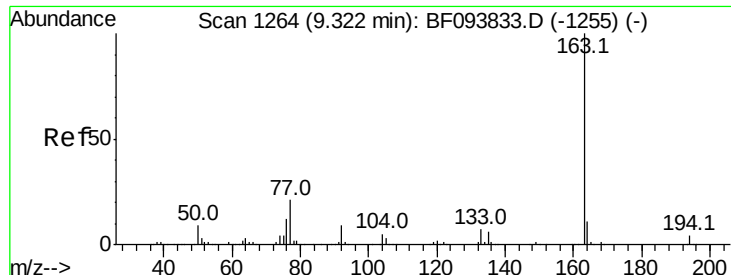
171 36.4 29.6 44.4

170 23.9 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

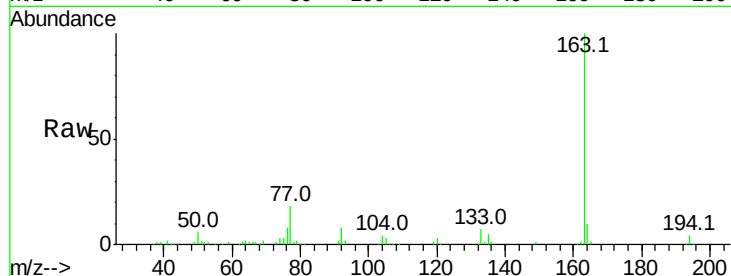




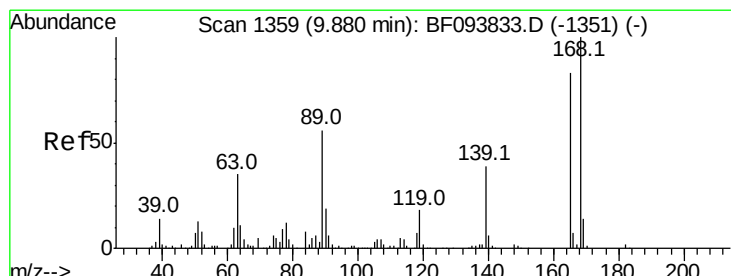
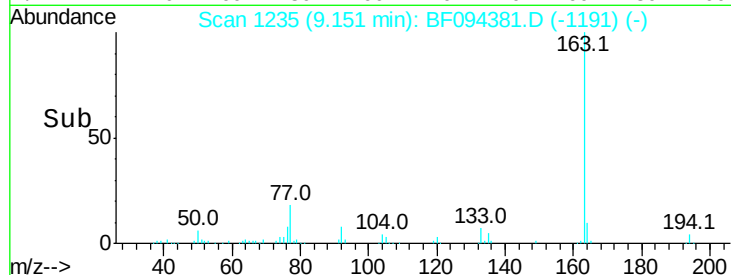
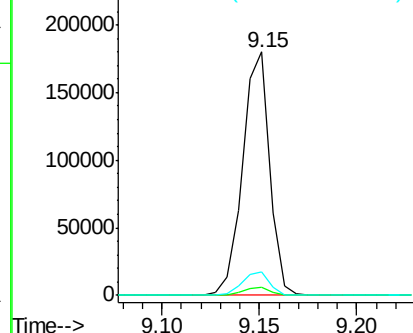
#49
Dimethylphthalate
Concen: 11.85 ng
RT: 9.15 min Scan# 1235
Delta R.T. -0.04 min
Lab File: BF094381.D
Acq: 12 Apr 2017 6:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 172416
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.7 8.4 12.6



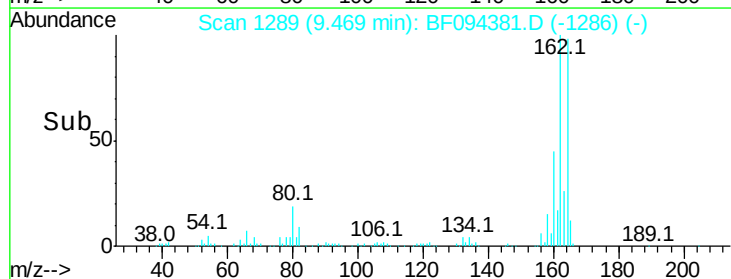
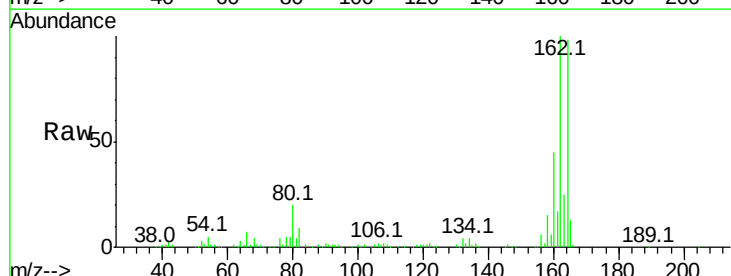
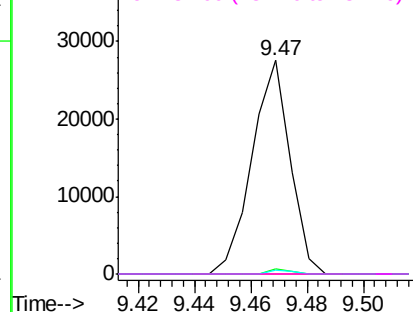
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

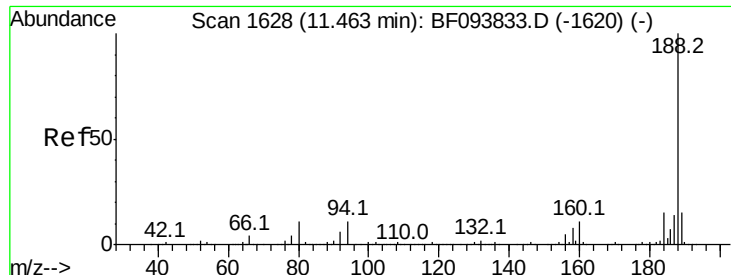


#56
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 9.47 min Scan# 1289
Delta R.T. -0.28 min
Lab File: BF094381.D
Acq: 12 Apr 2017 6:58

Tgt Ion:165 Resp: 25776
Ion Ratio Lower Upper
165 100
63 2.5 25.4 38.0#
89 1.9 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

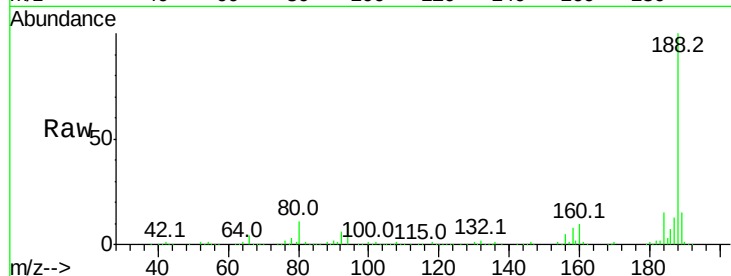




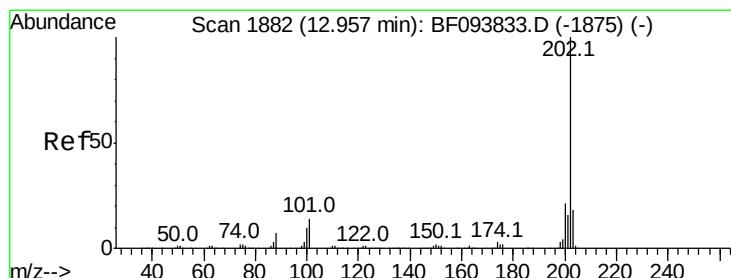
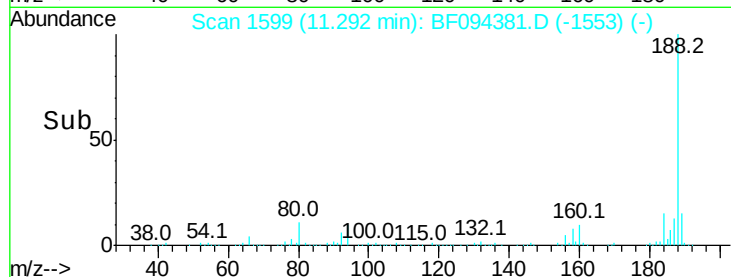
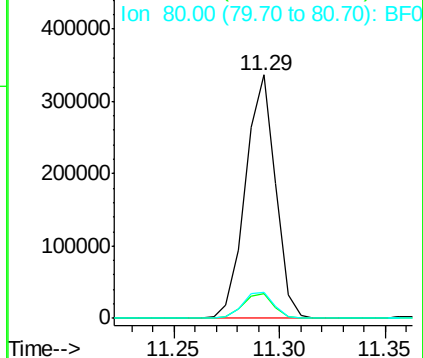
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1599
Delta R.T. -0.03 min
Lab File: BF094381.D
Acq: 12 Apr 2017 6:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 331238
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 10.9 10.2 15.2

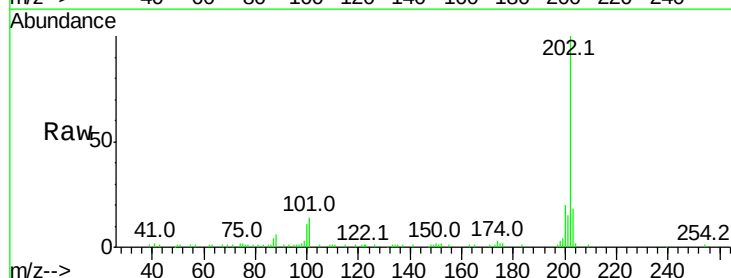


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

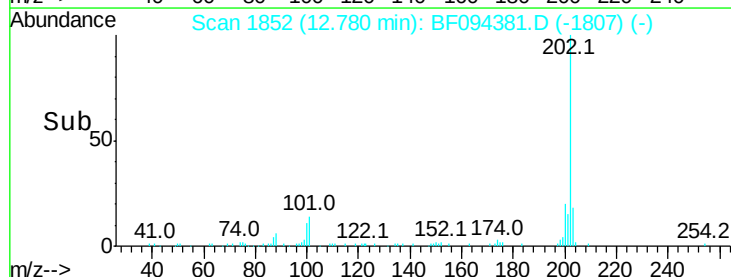
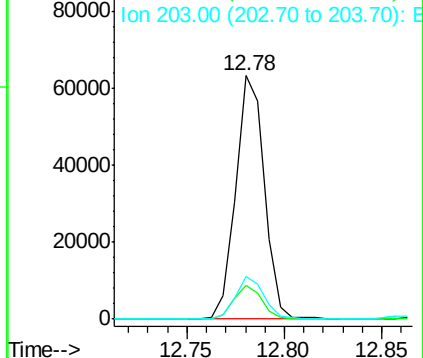


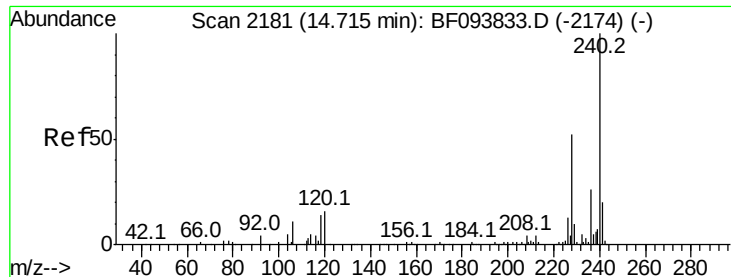
#74
Fluoranthene
Concen: 3.40 ng
RT: 12.78 min Scan# 1852
Delta R.T. -0.04 min
Lab File: BF094381.D
Acq: 12 Apr 2017 6:58

Tgt Ion:202 Resp: 64238
Ion Ratio Lower Upper
202 100
101 14.0 0.0 33.2
203 17.6 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: 14.54 min Scan# 2152

Delta R.T. -0.03 min

Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

Instrument :

BNA_F

ClientSampleId :

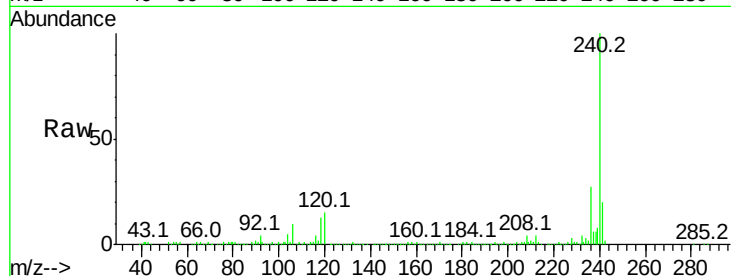
Tot Ion:240 Resp: 293885

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

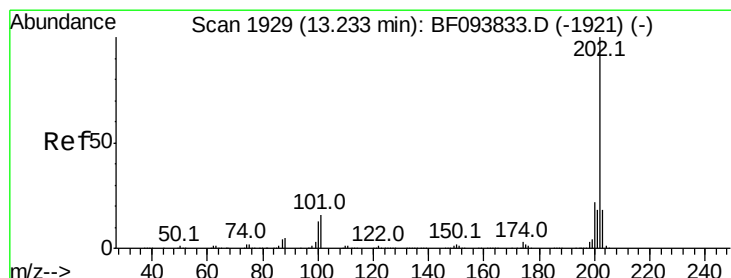
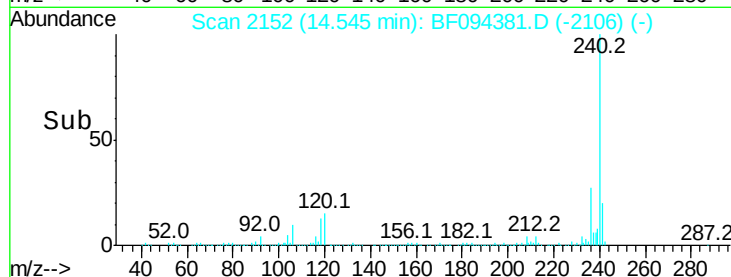
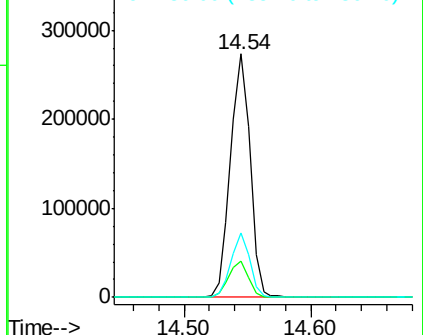
236 26.5 20.5 30.7



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: 3.14 ng

RT: 13.06 min Scan# 1899

Delta R.T. -0.04 min

Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

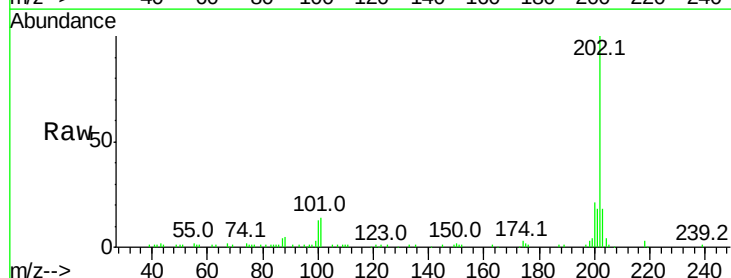
Tgt Ion:202 Resp: 67075

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

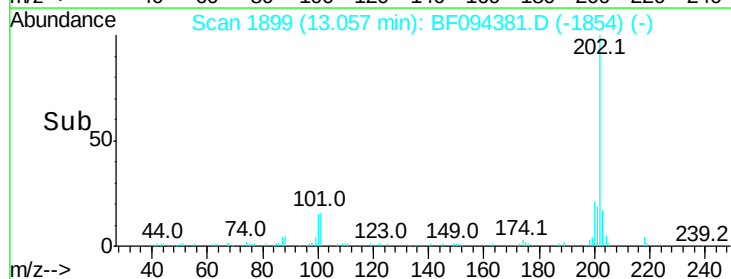
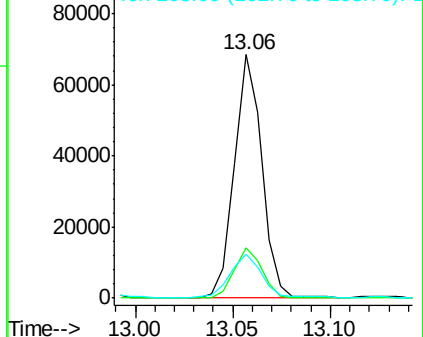
203 17.9 14.4 21.6

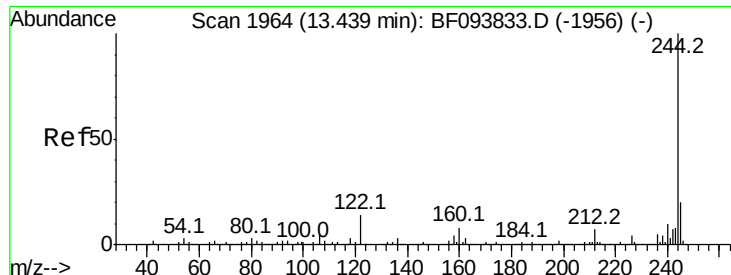


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.06 ng

RT: 13.27 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

Instrument :

BNA_F

ClientSampleId :

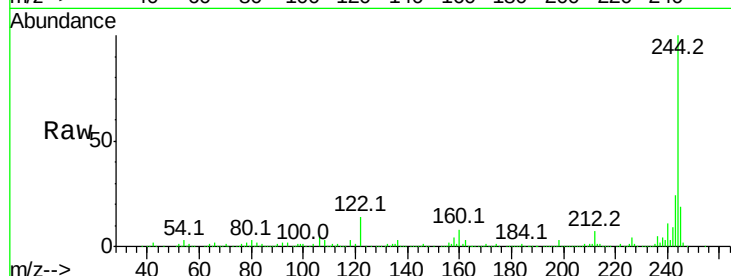
Tot Ion:244 Resp: 905520

Ion Ratio Lower Upper

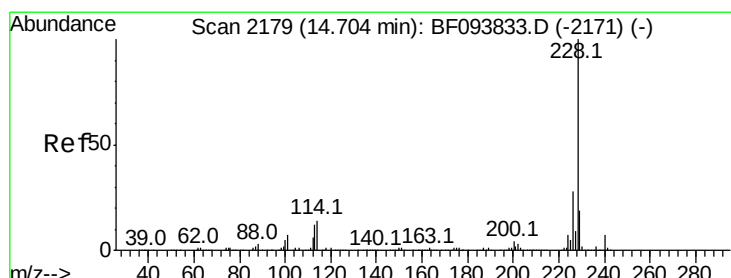
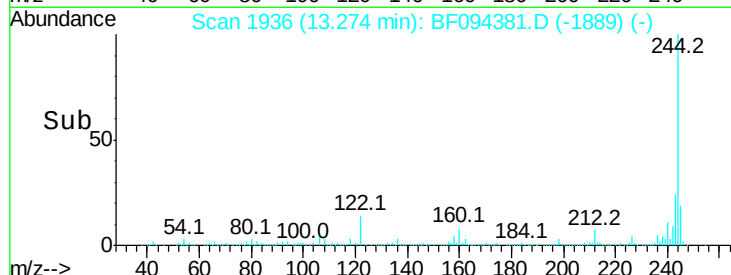
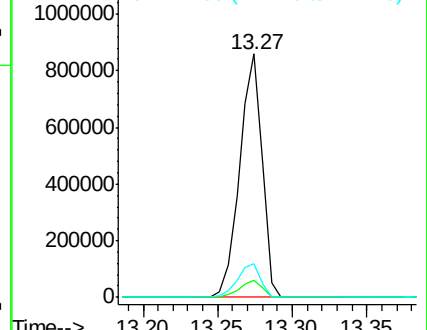
244 100

212 7.2 6.0 9.0

122 13.7 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



#80

Benzo(a)anthracene

Concen: 2.05 ng

RT: 14.53 min Scan# 2150

Delta R.T. -0.03 min

Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

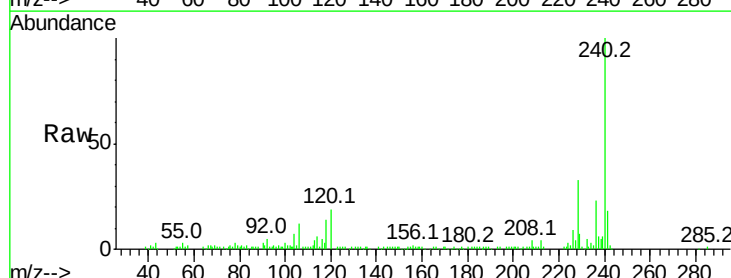
Tgt Ion:228 Resp: 35113

Ion Ratio Lower Upper

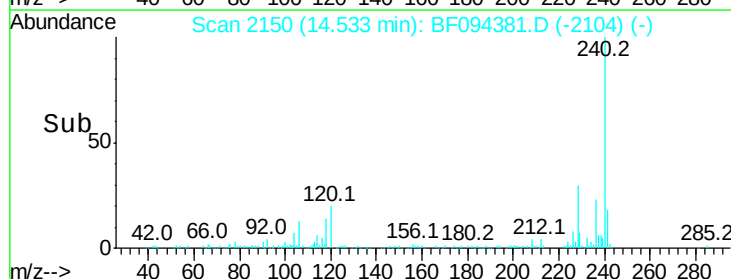
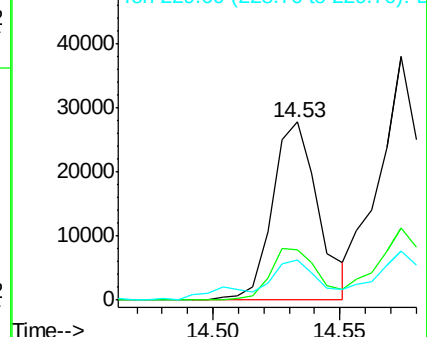
228 100

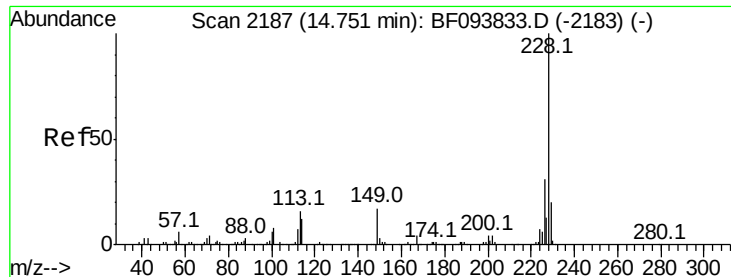
226 28.1 22.6 33.8

229 22.4 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.73 ng

RT: 14.57 min Scan# 2157

Delta R.T. -0.04 min

Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

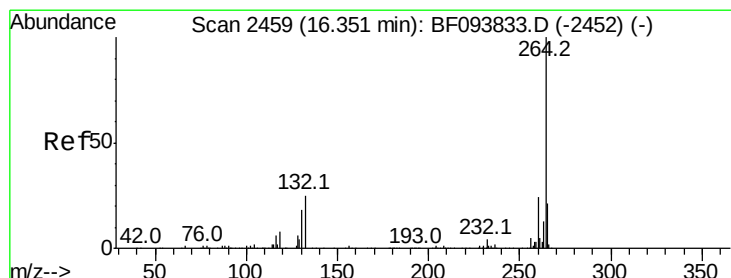
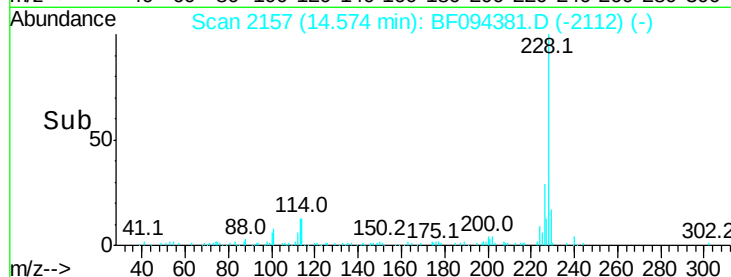
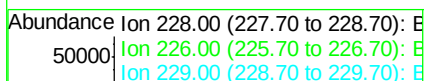
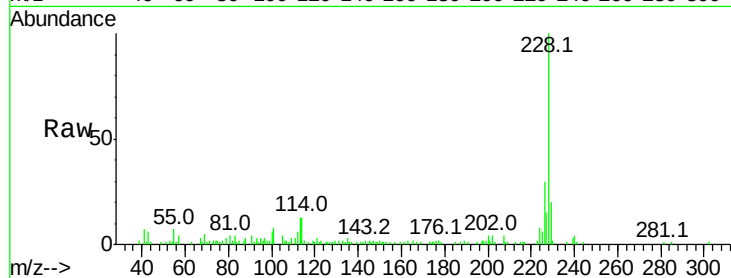
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 43438

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	19.9	15.8	23.6



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.17 min Scan# 2429

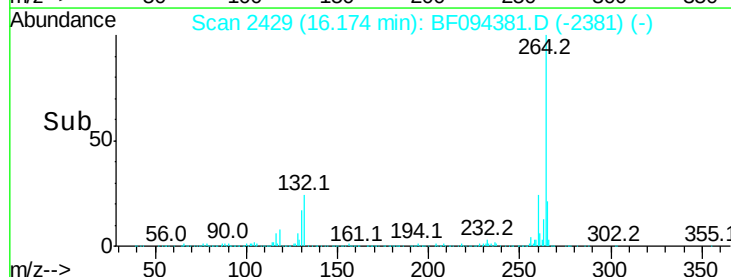
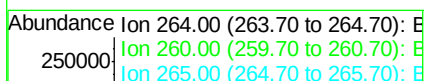
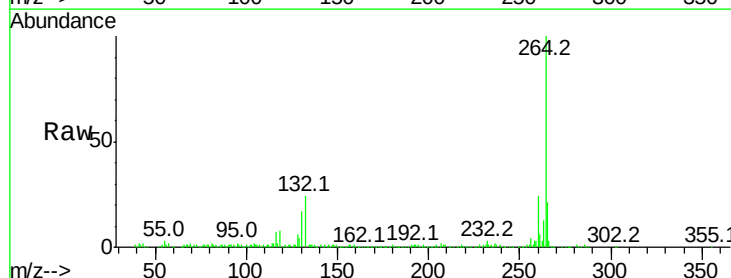
Delta R.T. -0.02 min

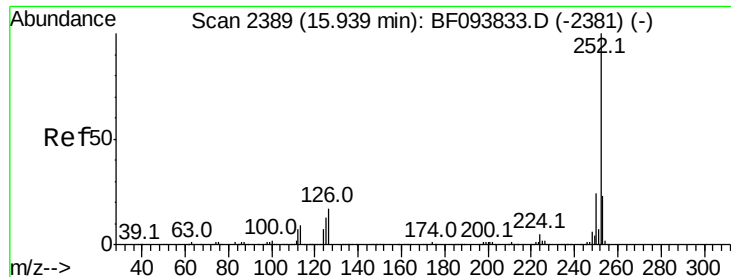
Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

Tgt Ion:264 Resp: 212992

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 5.64 ng

RT: 15.77 min Scan# 2360

Delta R.T. -0.02 min

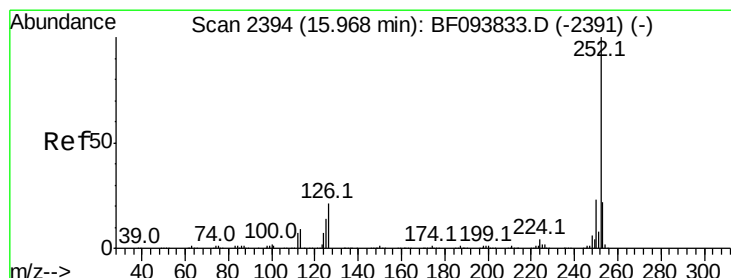
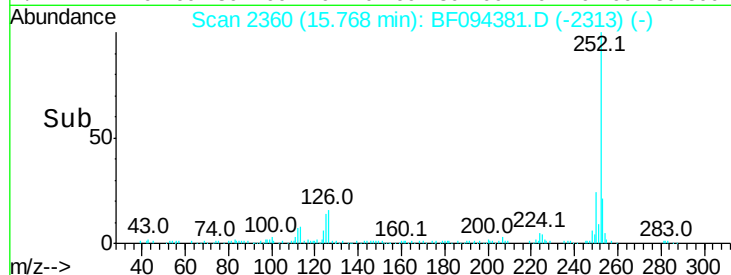
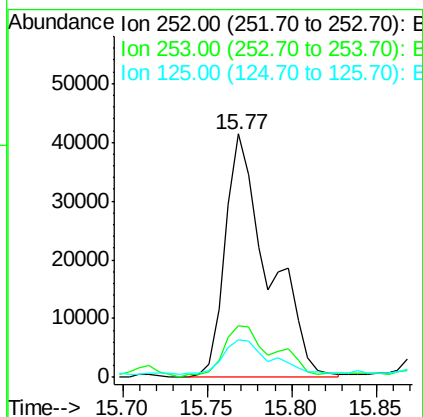
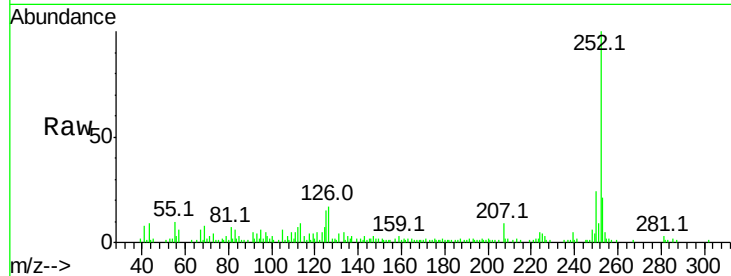
Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 73573

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	15.3	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 5.76 ng

RT: 15.77 min Scan# 2360

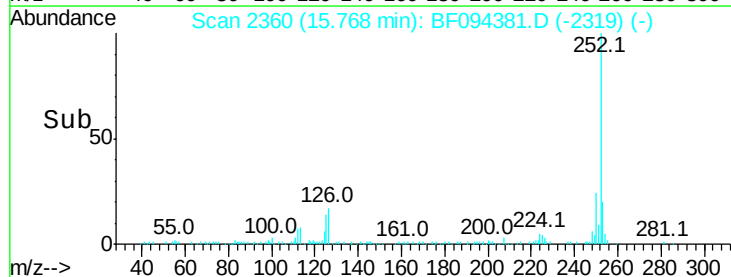
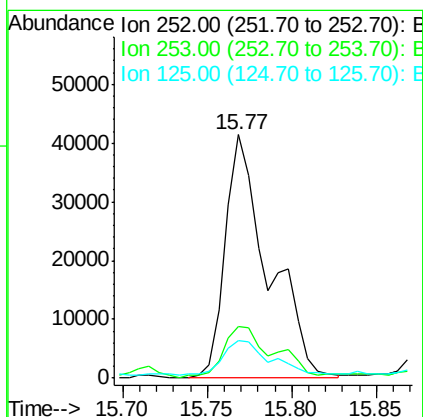
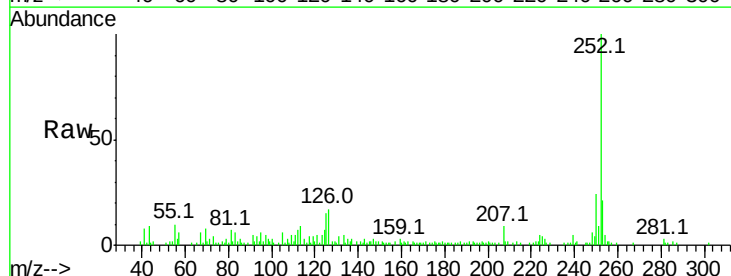
Delta R.T. -0.06 min

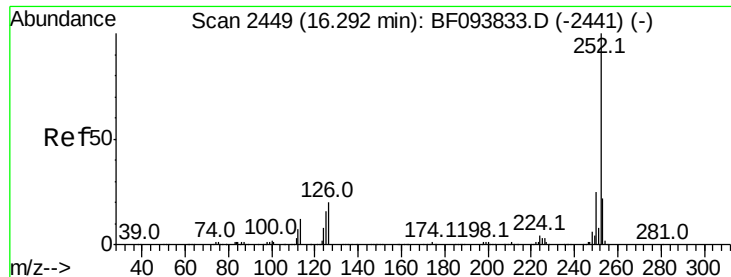
Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

Tgt Ion:252 Resp: 73573

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.4	27.6
125	15.3	13.1	19.7





#89

Benzo(a)pyrene

Concen: 2.85 ng

RT: 16.11 min Scan# 2418

Delta R.T. -0.03 min

Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

Instrument :

BNA_F

ClientSampleId :

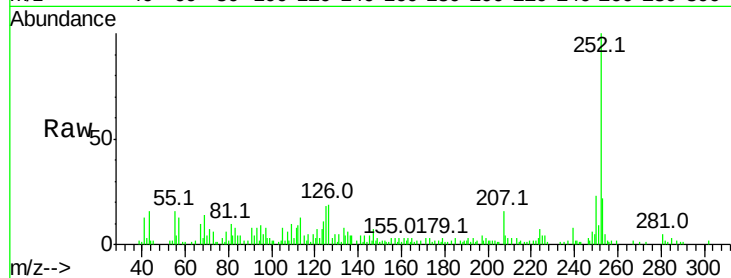
Tot Ion:252 Resp: 34324

Ion Ratio Lower Upper

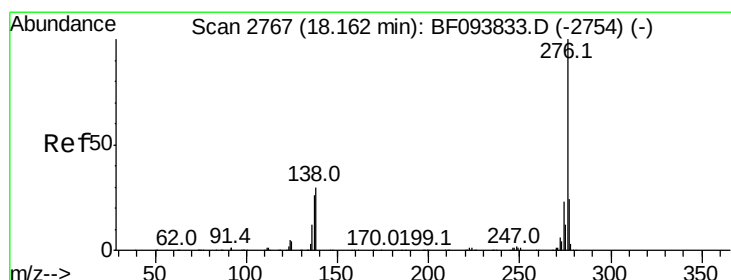
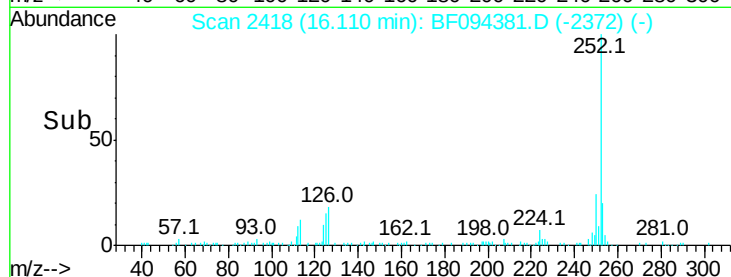
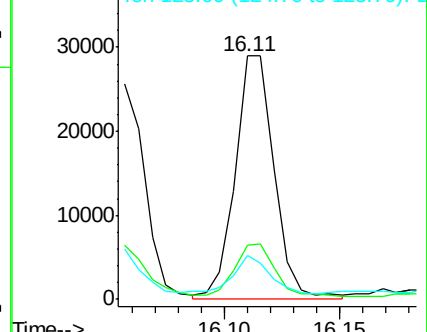
252 100

253 22.4 17.5 26.3

125 18.1 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 2.03 ng

RT: 17.87 min Scan# 2717

Delta R.T. -0.04 min

Lab File: BF094381.D

Acq: 12 Apr 2017 6:58

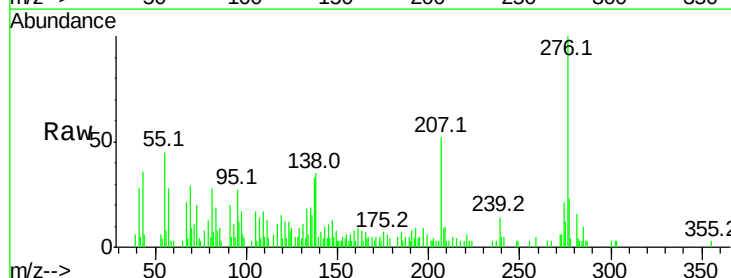
Tgt Ion:276 Resp: 20857

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 34.7 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

