

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094373.D
 Acq On : 12 Apr 2017 1:50
 Operator : SJ/MA
 Sample : I2610-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 03:58:18 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

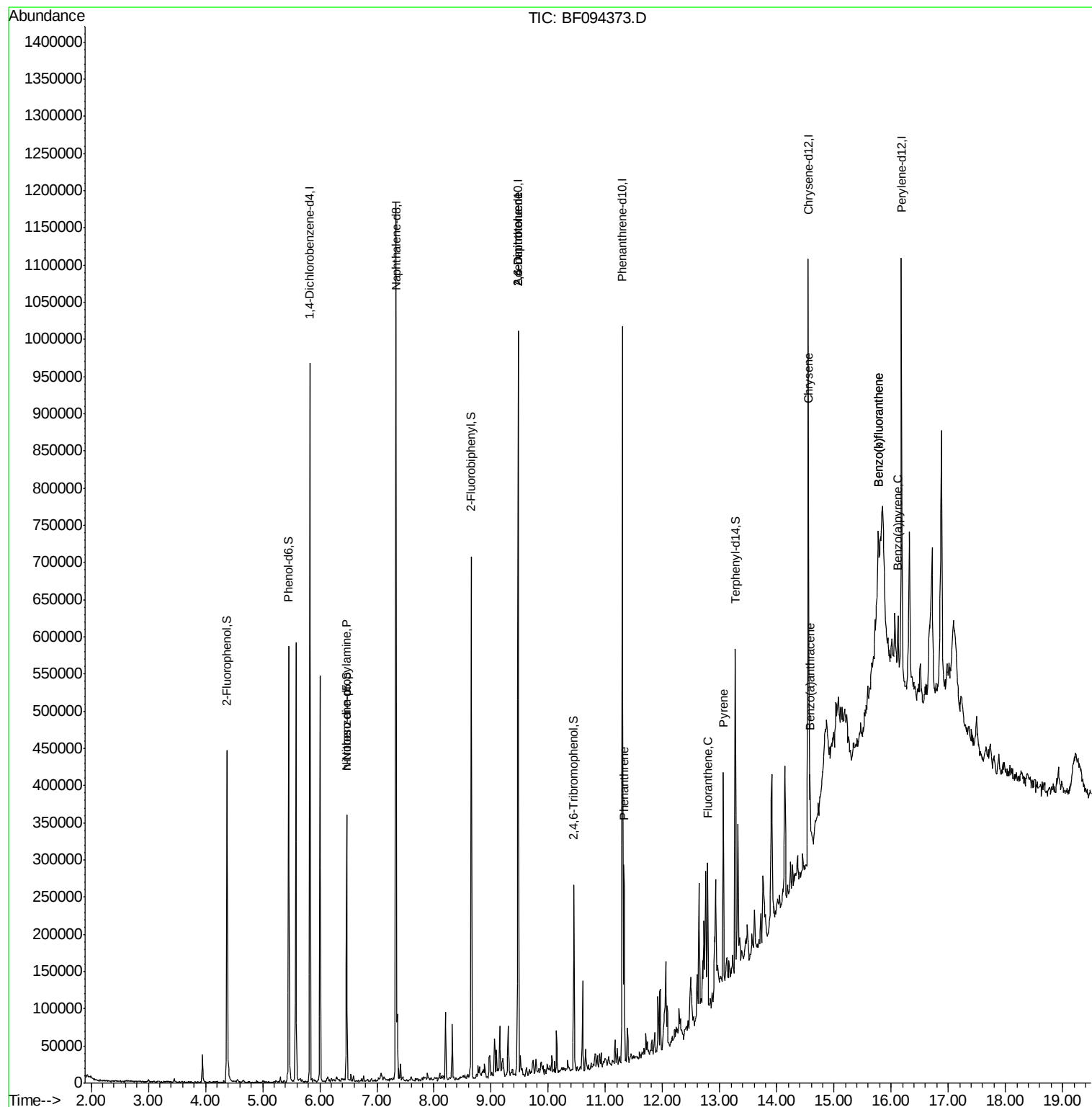
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.83	152	149784	20.00	ng	-0.03
21) Naphthalene-d8	7.33	136	565817	20.00	ng	-0.03
38) Acenaphthene-d10	9.47	164	233659	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	376902	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	317546	20.00	ng	-0.02
86) Perylene-d12	16.18	264	237104	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.37	112	145338	16.39	ng	-0.01
7) Phenol-d6	5.46	99	204830	18.67	ng	0.00
23) Nitrobenzene-d5	6.47	82	121658	12.27	ng	-0.04
41) 2,4,6-Tribromophenol	10.45	330	25213	13.66	ng	-0.03
44) 2-Fluorobiphenyl	8.65	172	224157	14.63	ng	-0.04
78) Terphenyl-d14	13.27	244	145575	10.28	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.47	70	16147	2.29	ng	# 80
50) 2,6-Dinitrotoluene	9.47	165	30132	7.91	ng	# 34
56) 2,4-Dinitrotoluene	9.47	165	30132	6.30	ng	# 33
70) Phenanthrene	11.32	178	105439	5.03	ng	98
74) Fluoranthene	12.79	202	87929	4.10	ng	99
77) Pyrene	13.06	202	124685	5.41	ng	97
80) Benzo(a)anthracene	14.58	228	47693	2.58	ng	93
82) Chrysene	14.54	228	43128	2.51	ng	92
87) Benzo(b)fluoranthene	15.77	252	51019	3.51	ng	# 70
88) Benzo(k)fluoranthene	15.77	252	51019	3.59	ng	# 76
89) Benzo(a)pyrene	16.12	252	31914	2.38	ng	# 91

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
Data File : BF094373.D
Acq On : 12 Apr 2017 1:50
Operator : SJ/MA
Sample : I2610-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 12 03:58:18 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.83 min Scan# 670

Delta R.T. -0.03 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

Instrument :

BNA_F

ClientSampleId :

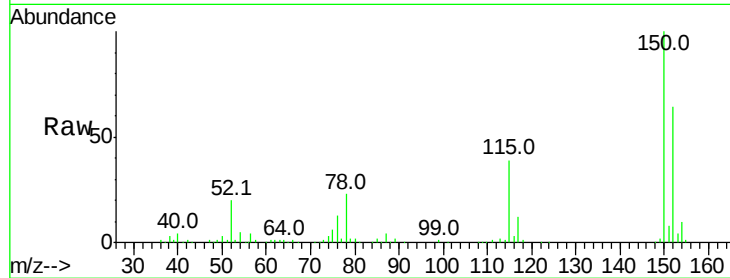
Tot Ion:152 Resp: 149784

Ion Ratio Lower Upper

152 100

150 156.3 126.2 189.2

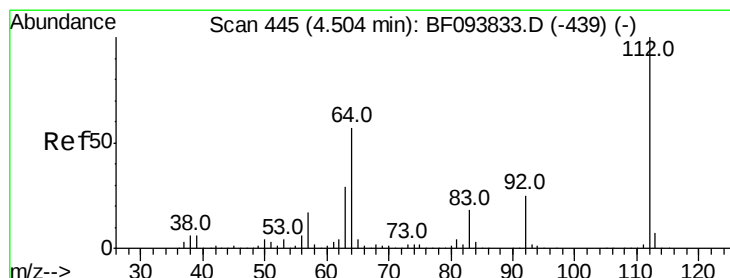
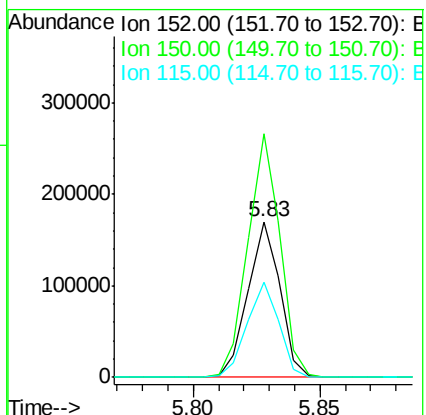
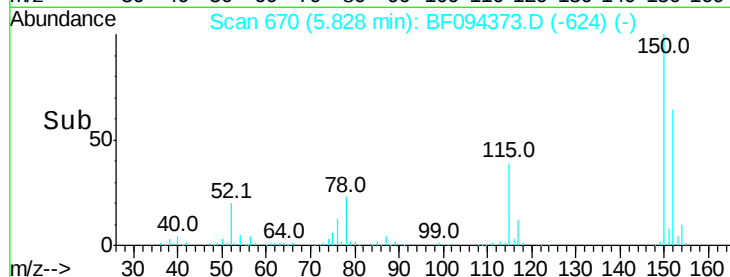
115 61.4 52.2 78.2



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: 16.39 ng

RT: 4.37 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

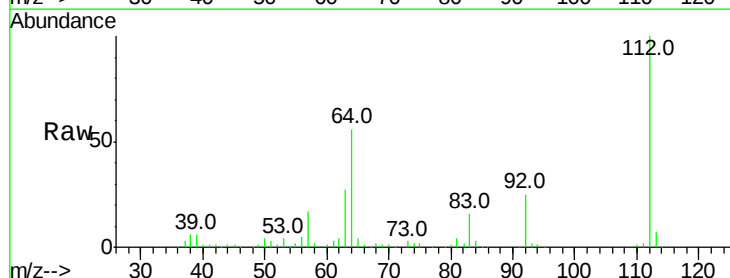
Tgt Ion:112 Resp: 145338

Ion Ratio Lower Upper

112 100

64 56.4 46.0 69.0

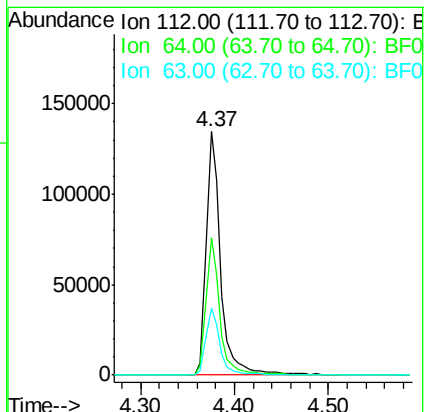
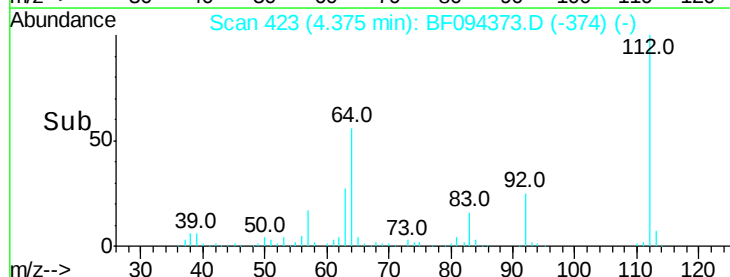
63 27.5 23.4 35.0

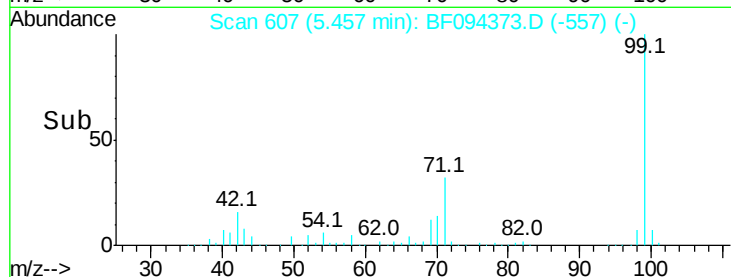
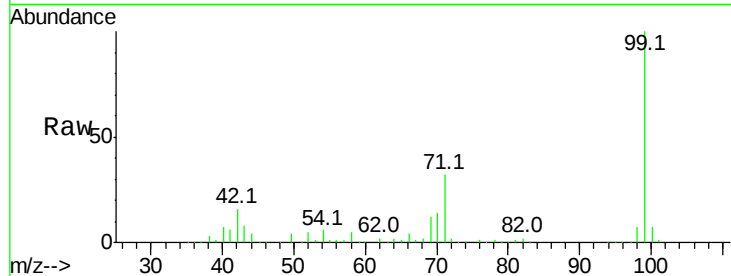


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.67 ng

RT: 5.46 min Scan# 607

Delta R.T. -0.01 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

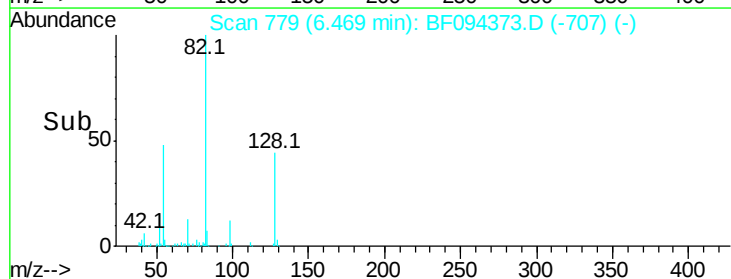
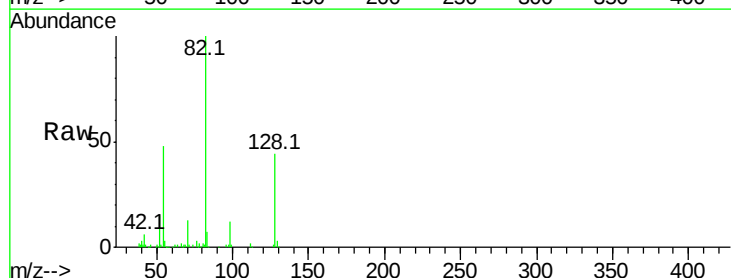
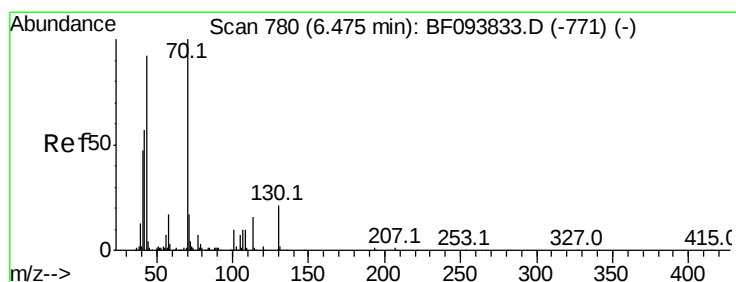
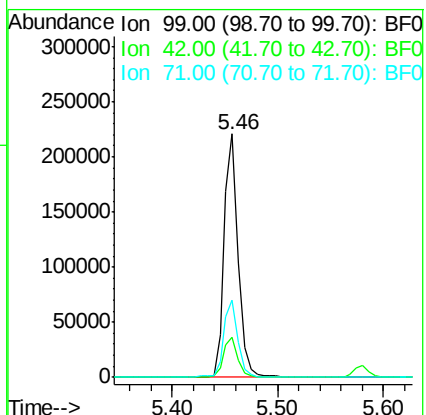
Tot Ion: 99 Resp: 204830

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

71 31.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.29 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.12 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

Tgt Ion: 70 Resp: 16147

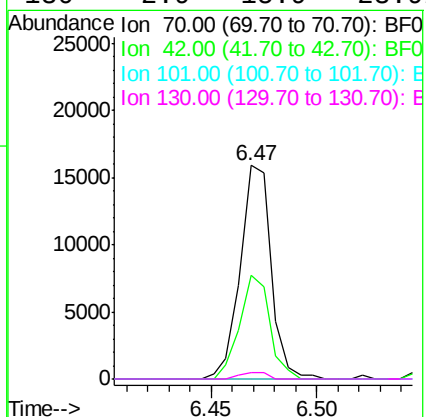
Ion Ratio Lower Upper

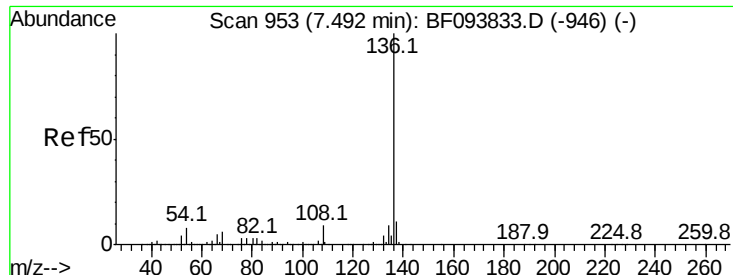
70 100

42 48.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.9 15.9 23.9#

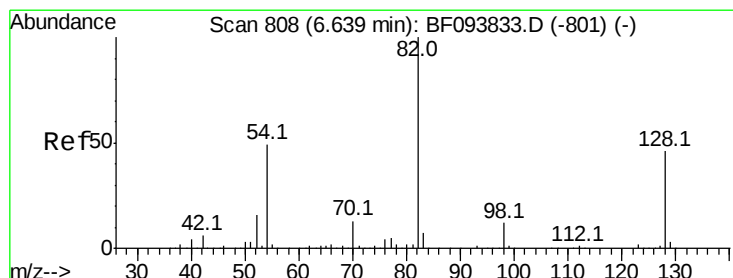
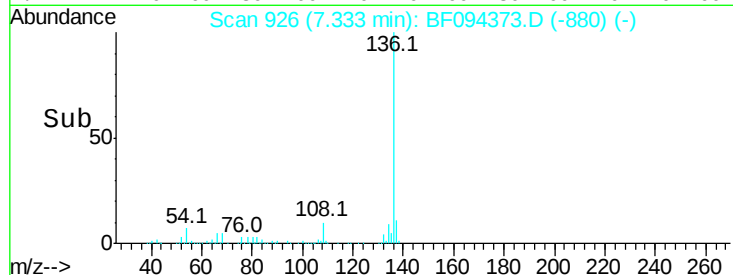
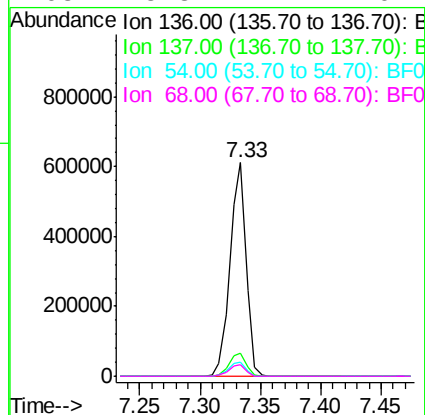
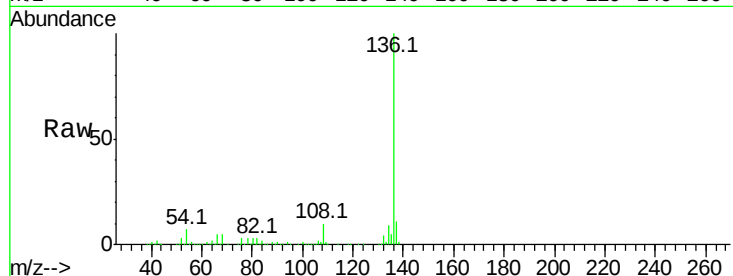




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.33 min Scan# 926
Delta R.T. -0.03 min
Lab File: BF094373.D
Acq: 12 Apr 2017 1:50

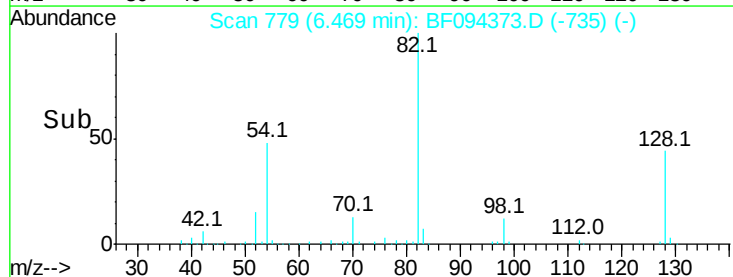
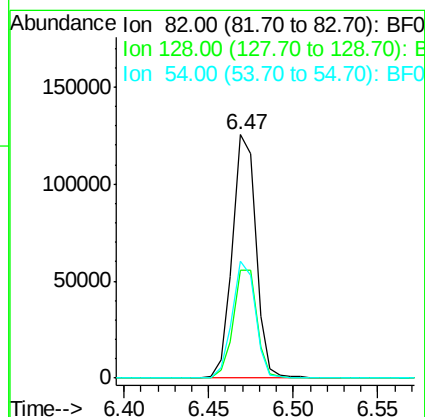
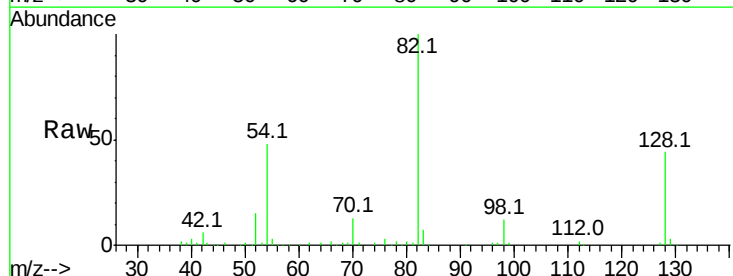
Instrument :
BNA_F
ClientSampleId :

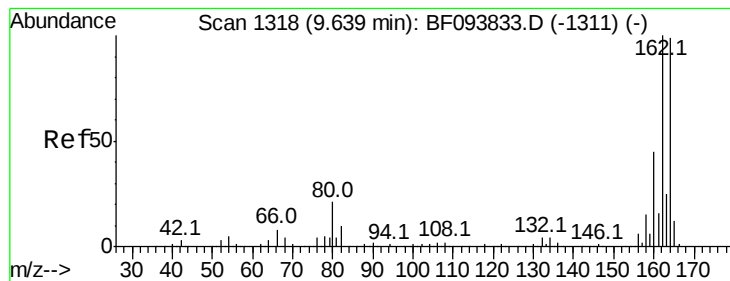
Tot Ion:	136	Resp:	565817
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	6.8	4.9	7.3
68	5.3	4.1	6.1



#23
Nitrobenzene-d5
Concen: 12.27 ng
RT: 6.47 min Scan# 779
Delta R.T. -0.04 min
Lab File: BF094373.D
Acq: 12 Apr 2017 1:50

Tgt Ion:	82	Resp:	121658
Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.0	51.0
54	48.1	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: BF094373.D

Acq: 12 Apr 2017 1:50

Instrument :

BNA_F

ClientSampleId :

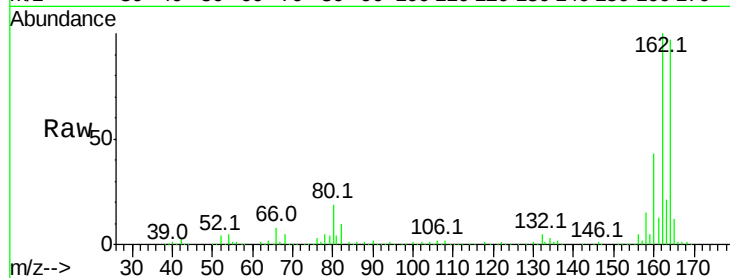
Tot Ion:164 Resp: 233659

Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

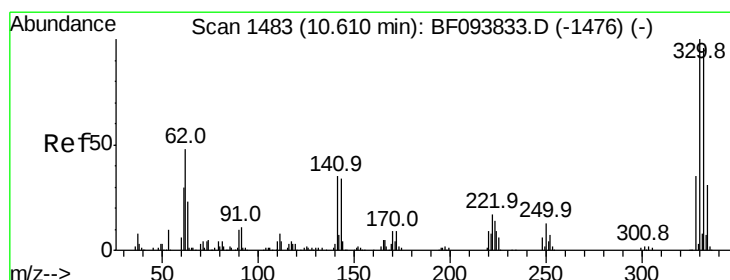
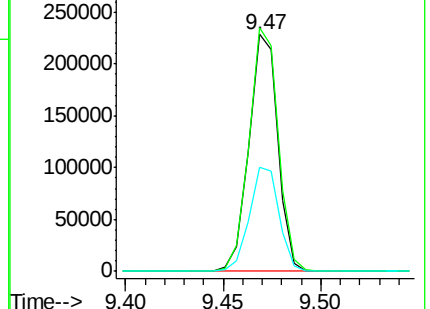
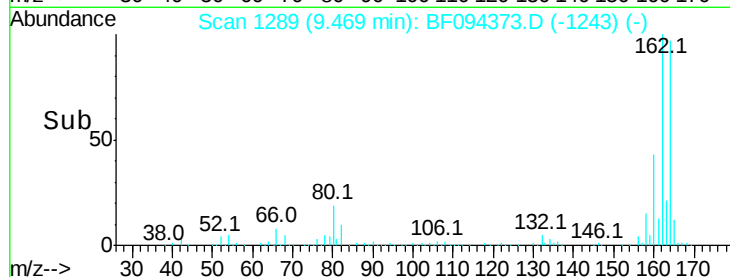
160 44.2 36.2 54.2



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: 13.66 ng

RT: 10.45 min Scan# 1455

Delta R.T. -0.03 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

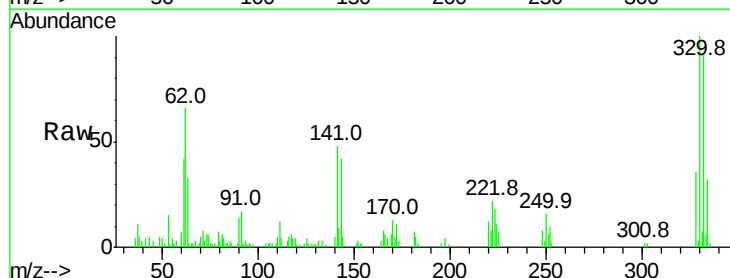
Tgt Ion:330 Resp: 25213

Ion Ratio Lower Upper

330 100

332 93.4 76.6 115.0

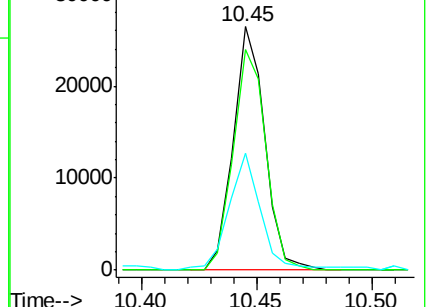
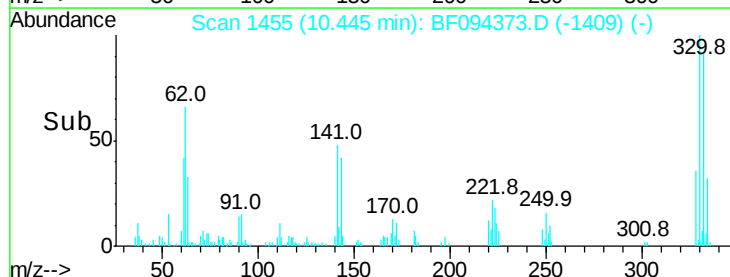
141 49.8 31.4 47.2#



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

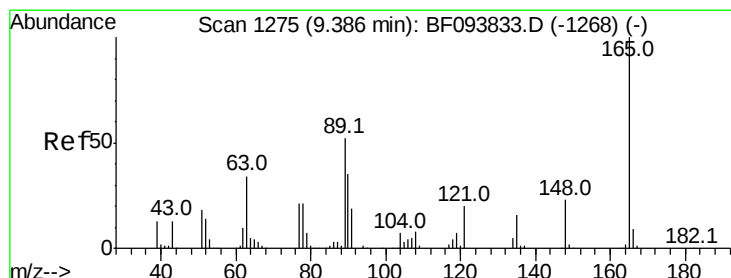
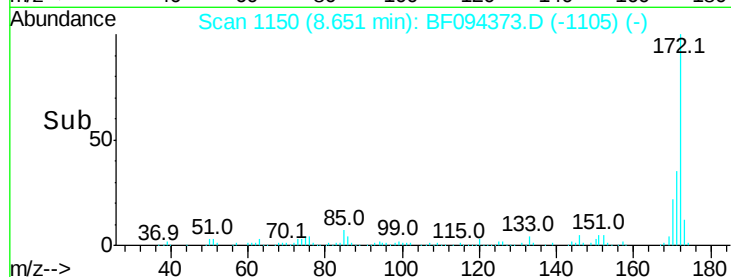
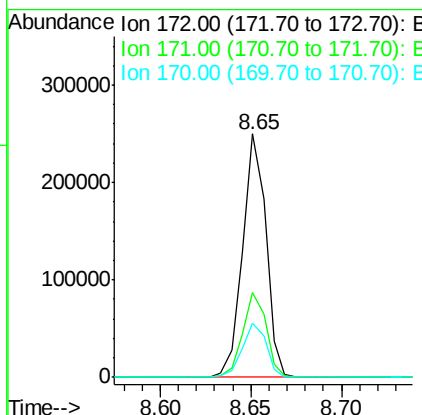
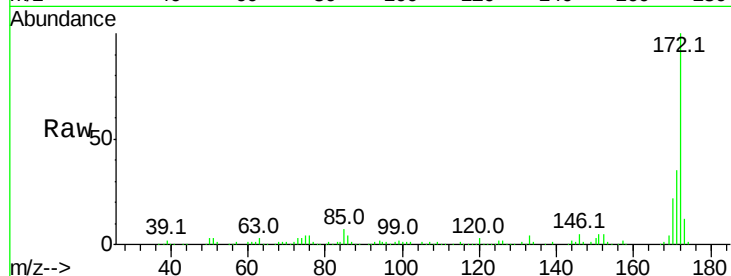




#44
 2-Fluorobiphenyl
 Concen: 14.63 ng
 RT: 8.65 min Scan# 1150
 Delta R.T. -0.04 min
 Lab File: BF094373.D
 Acq: 12 Apr 2017 1:50

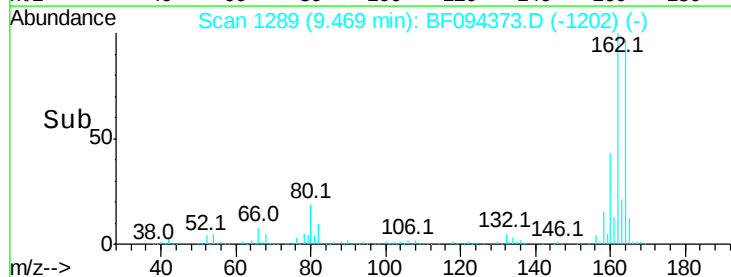
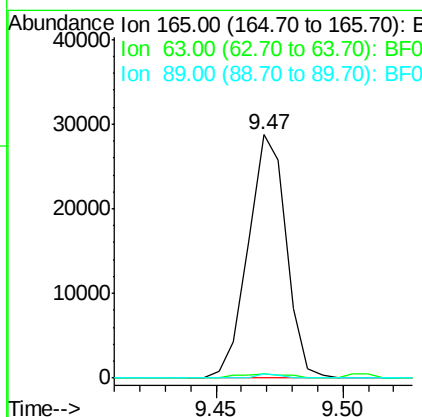
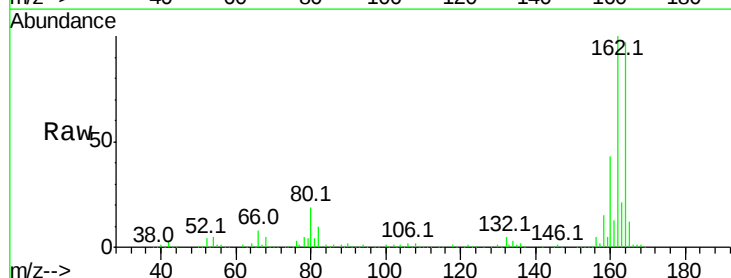
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	22.4	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.91 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. 0.21 min
 Lab File: BF094373.D
 Acq: 12 Apr 2017 1:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.3	51.5#
89	1.6	37.1	55.7#

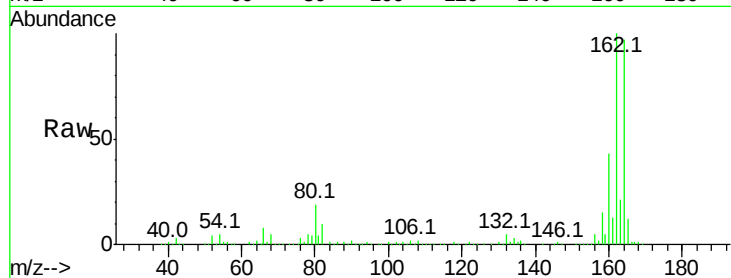




#56
 2,4-Dinitrotoluene
 Concen: 6.30 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.28 min
 Lab File: BF094373.D
 Acq: 12 Apr 2017 1:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

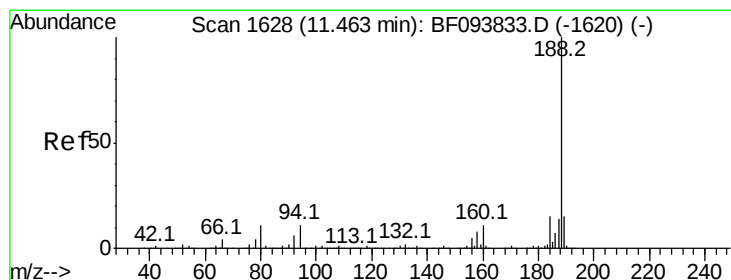
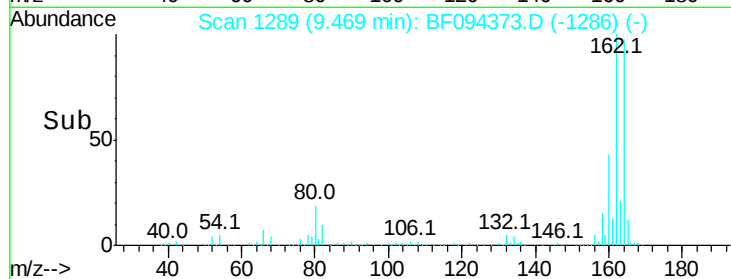
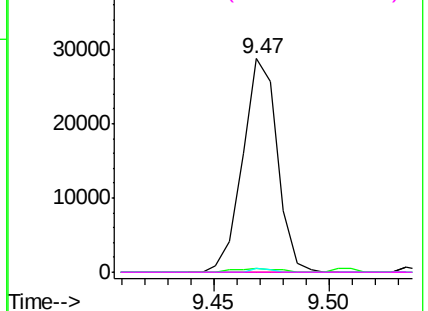


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

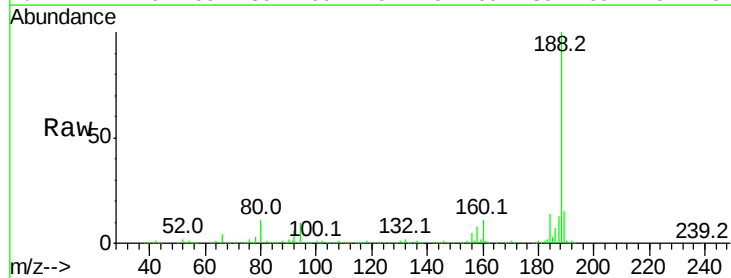
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1600
 Delta R.T. -0.02 min
 Lab File: BF094373.D
 Acq: 12 Apr 2017 1:50

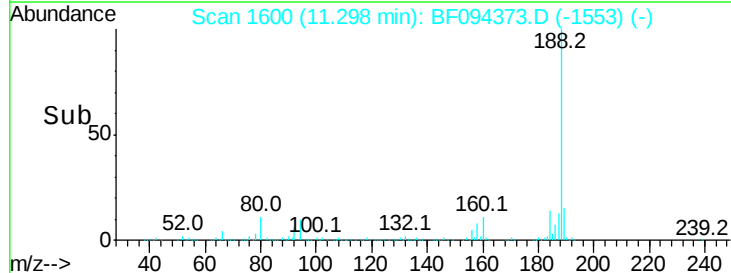
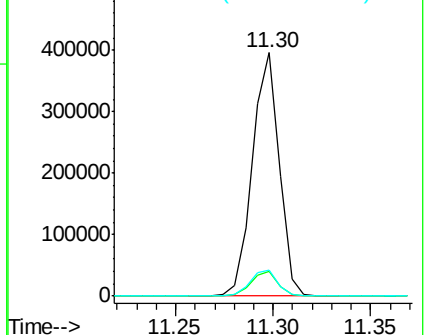
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	10.8	10.2	15.2

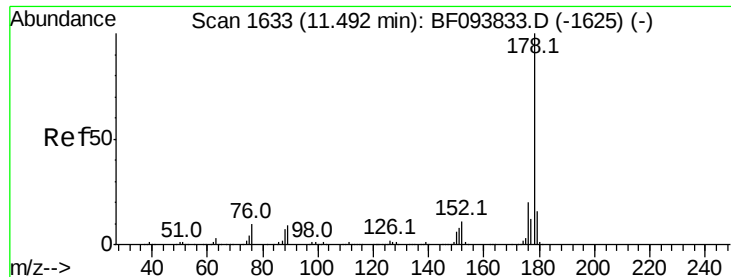


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.03 ng

RT: 11.32 min Scan# 1604

Delta R.T. -0.03 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

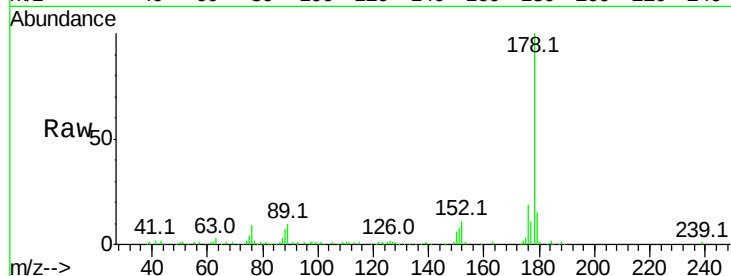
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 105439

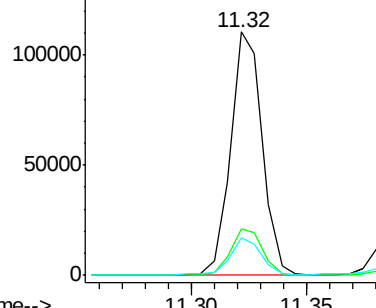
Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.4	12.6	19.0



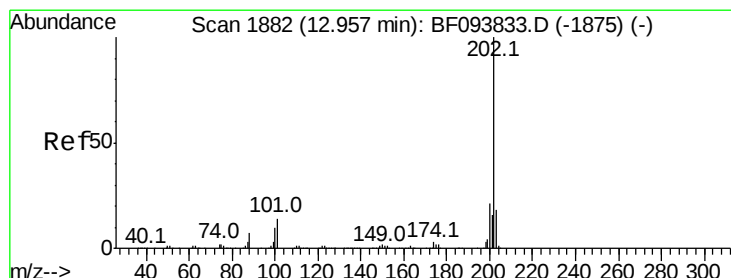
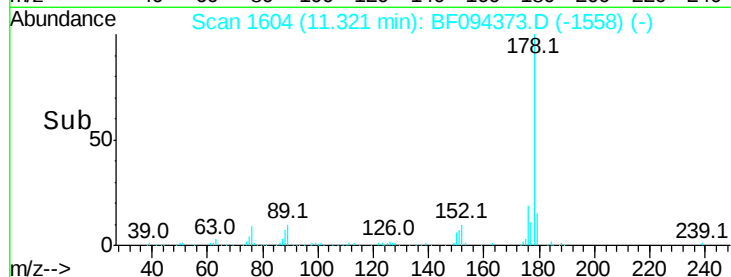
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 4.10 ng

RT: 12.79 min Scan# 1853

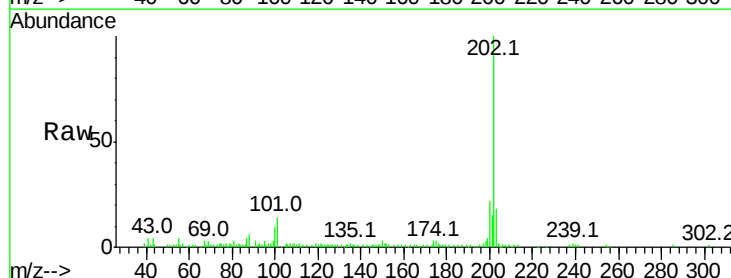
Delta R.T. -0.03 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

Tgt Ion:202 Resp: 87929

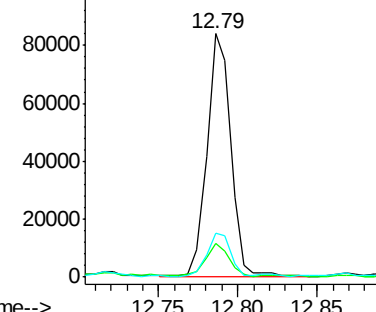
Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	18.1	0.0	38.1



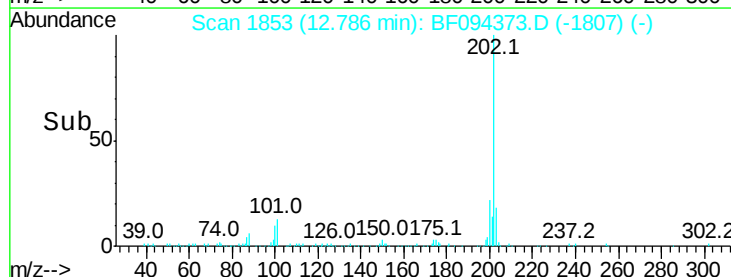
Abundance Ion 202.00 (201.70 to 202.70): E

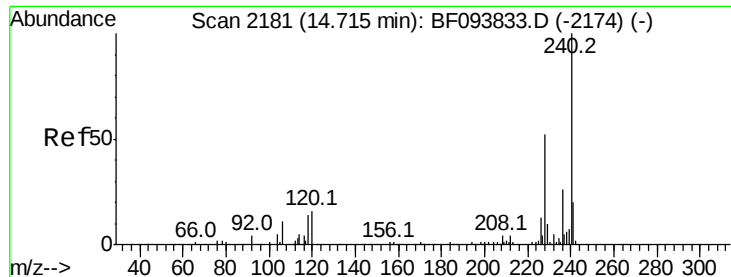
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.55 min Scan# 2153

Delta R.T. -0.02 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

Instrument :

BNA_F

ClientSampleId :

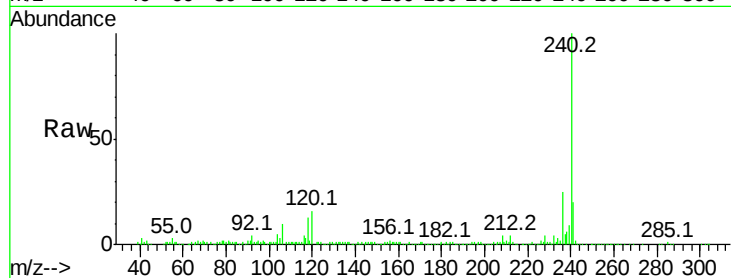
Tot Ion:240 Resp: 317546

Ion Ratio Lower Upper

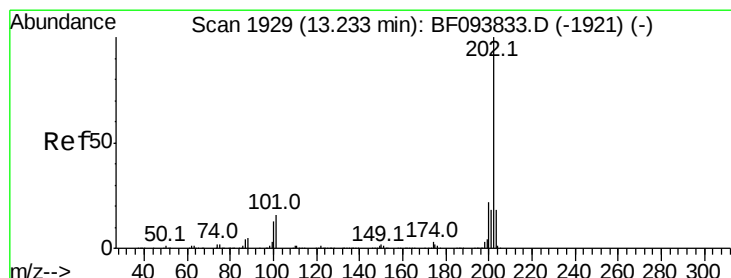
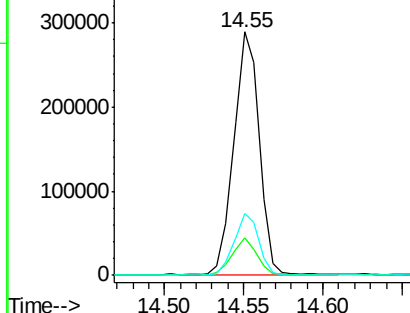
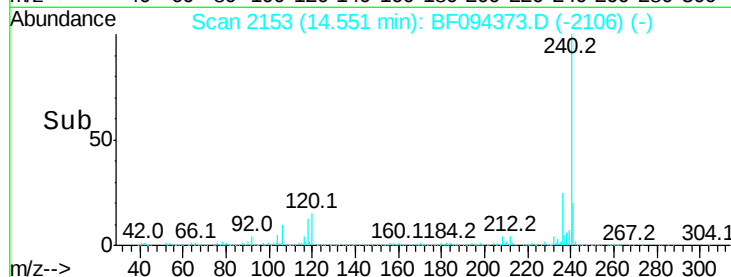
240 100

120 15.7 5.8 8.8#

236 25.2 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: 5.41 ng

RT: 13.06 min Scan# 1900

Delta R.T. -0.03 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

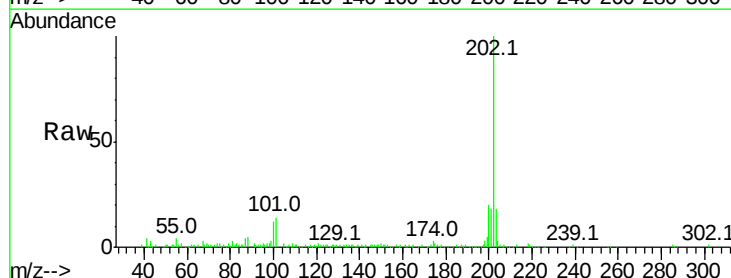
Tgt Ion:202 Resp: 124685

Ion Ratio Lower Upper

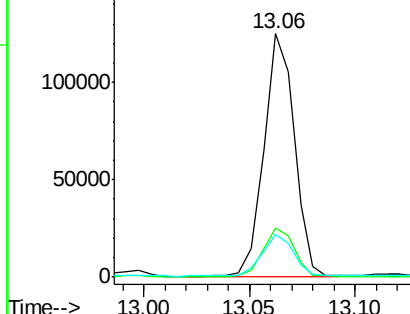
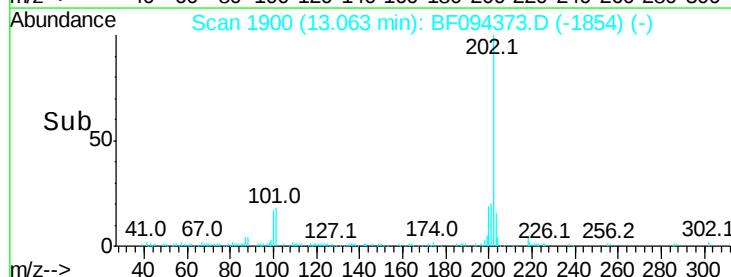
202 100

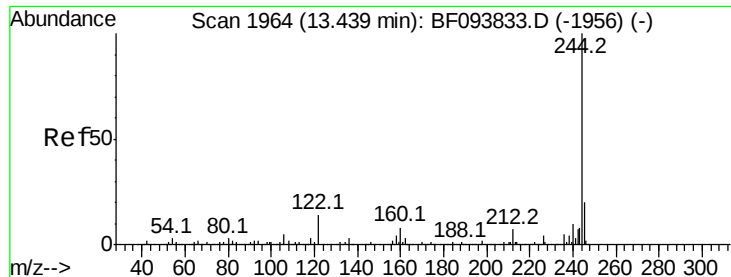
200 19.9 17.6 26.4

203 17.6 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: 10.28 ng

RT: 13.27 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

Instrument :

BNA_F

ClientSampleId :

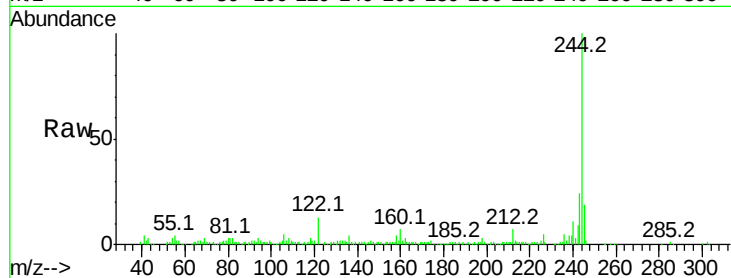
Tot Ion:244 Resp: 145575

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

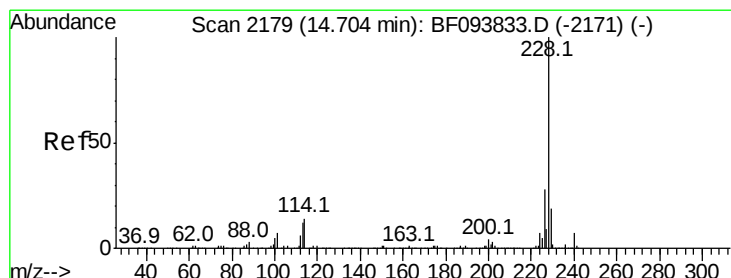
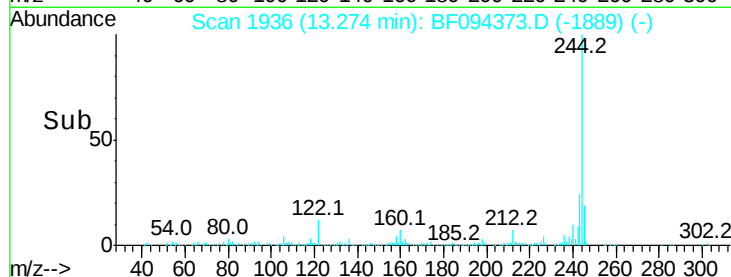
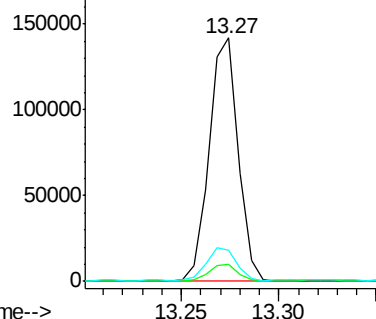
122 12.6 10.3 15.5



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: 2.58 ng

RT: 14.58 min Scan# 2158

Delta R.T. 0.02 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

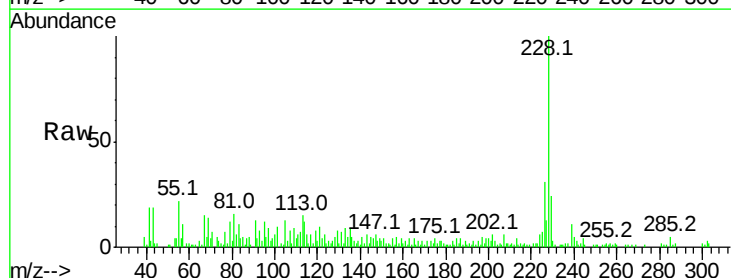
Tgt Ion:228 Resp: 47693

Ion Ratio Lower Upper

228 100

226 31.3 22.6 33.8

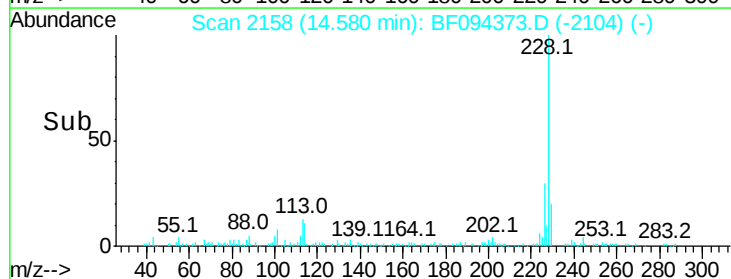
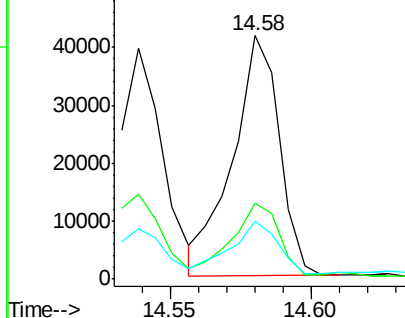
229 23.9 16.3 24.5

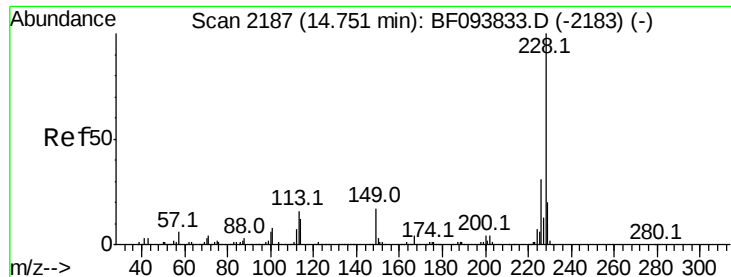


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.51 ng

RT: 14.54 min Scan# 2151

Delta R.T. -0.07 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

Instrument :

BNA_F

ClientSampleId :

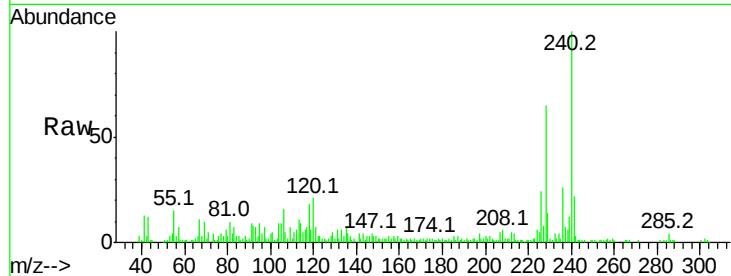
Tot Ion:228 Resp: 43128

Ion Ratio Lower Upper

228 100

226 36.7 24.9 37.3

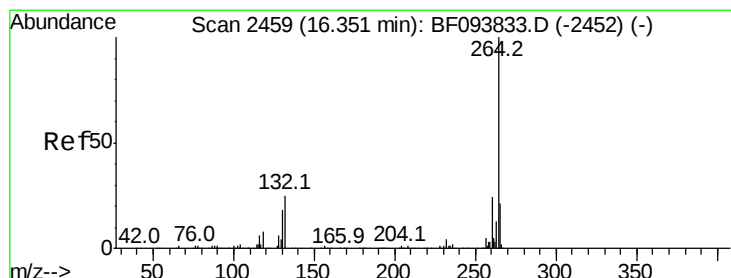
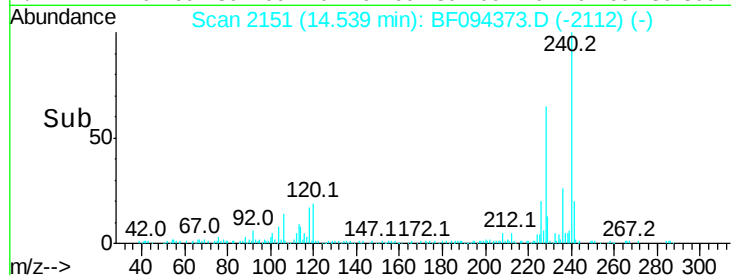
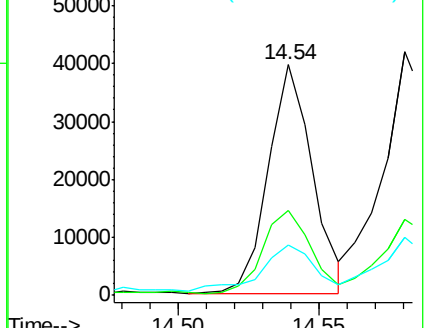
229 21.9 15.8 23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.18 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

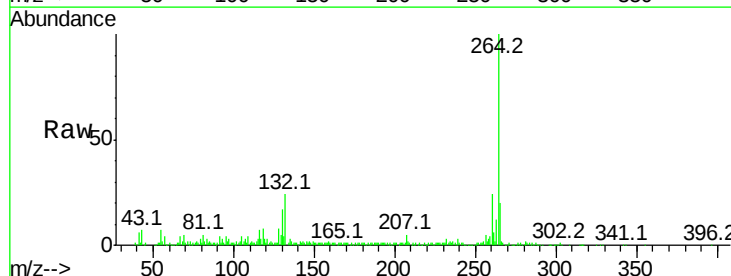
Tgt Ion:264 Resp: 237104

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

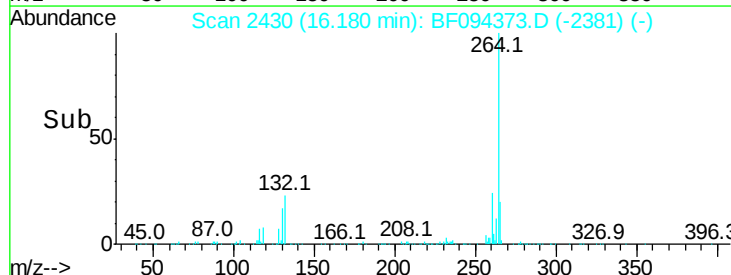
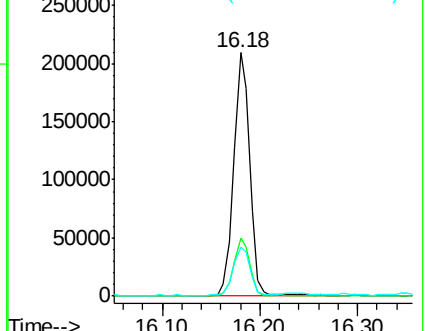
265 20.3 17.2 25.8

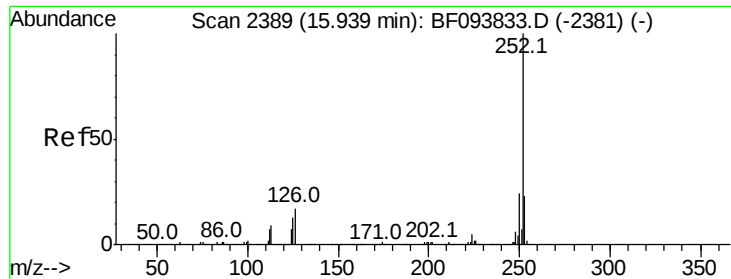


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.51 ng

RT: 15.77 min Scan# 2361

Delta R.T. -0.02 min

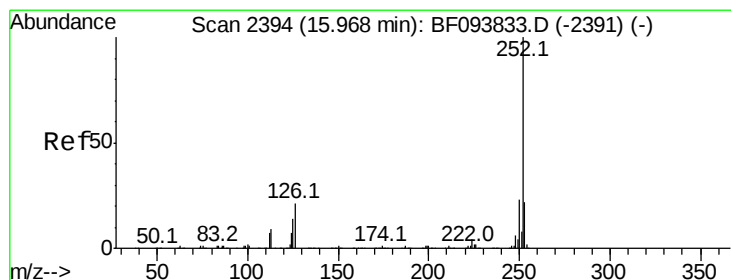
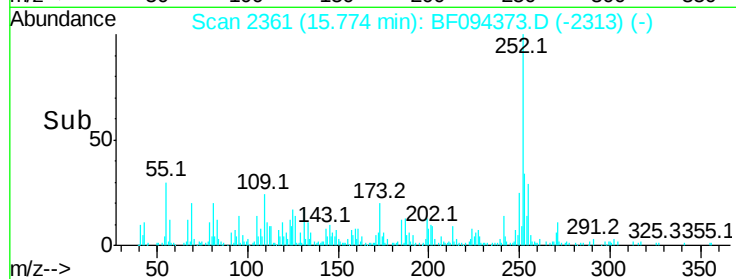
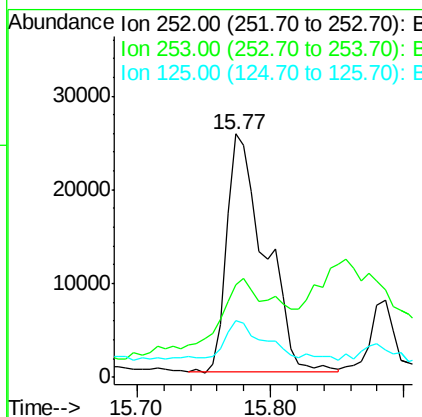
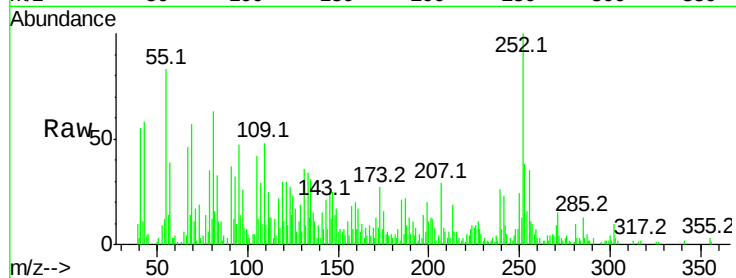
Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 51019

Ion	Ratio	Lower	Upper
252	100		
253	37.8	18.1	27.1#
125	23.3	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 3.59 ng

RT: 15.77 min Scan# 2361

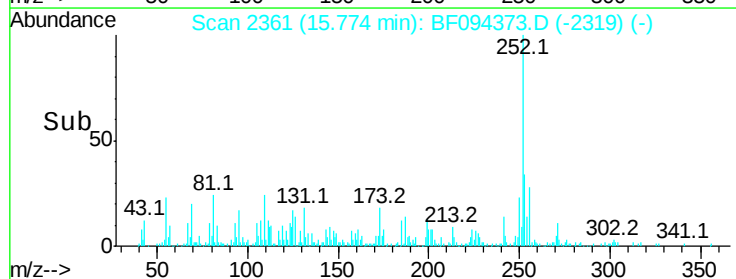
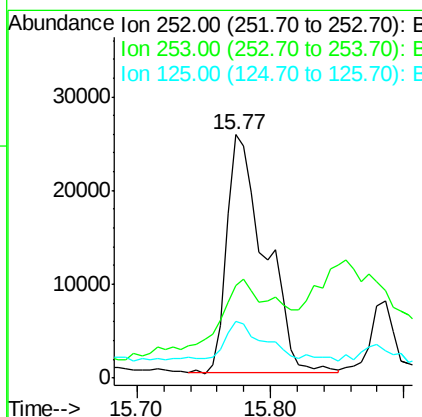
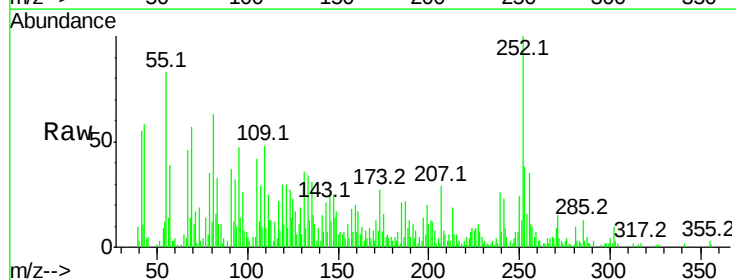
Delta R.T. -0.05 min

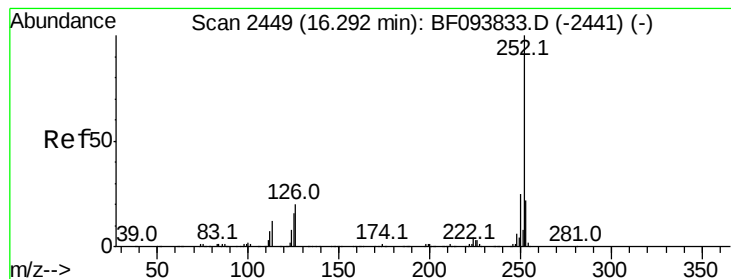
Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

Tgt Ion:252 Resp: 51019

Ion	Ratio	Lower	Upper
252	100		
253	37.8	18.4	27.6#
125	23.3	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 2.38 ng

RT: 16.12 min Scan# 2420

Delta R.T. -0.02 min

Lab File: BF094373.D

Acq: 12 Apr 2017 1:50

Instrument :

BNA_F

ClientSampleId :

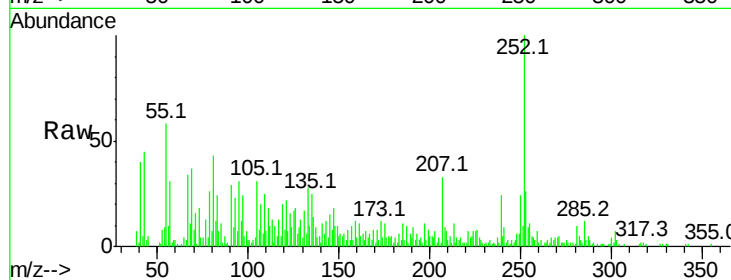
Tot Ion:252 Resp: 31914

Ion Ratio Lower Upper

252 100

253 26.4 17.5 26.3#

125 17.1 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

