

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042417\
 Data File : BF094584.D
 Acq On : 24 Apr 2017 14:44
 Operator : SJ/MA
 Sample : I2780-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-5

Quant Time: Apr 25 01:04:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

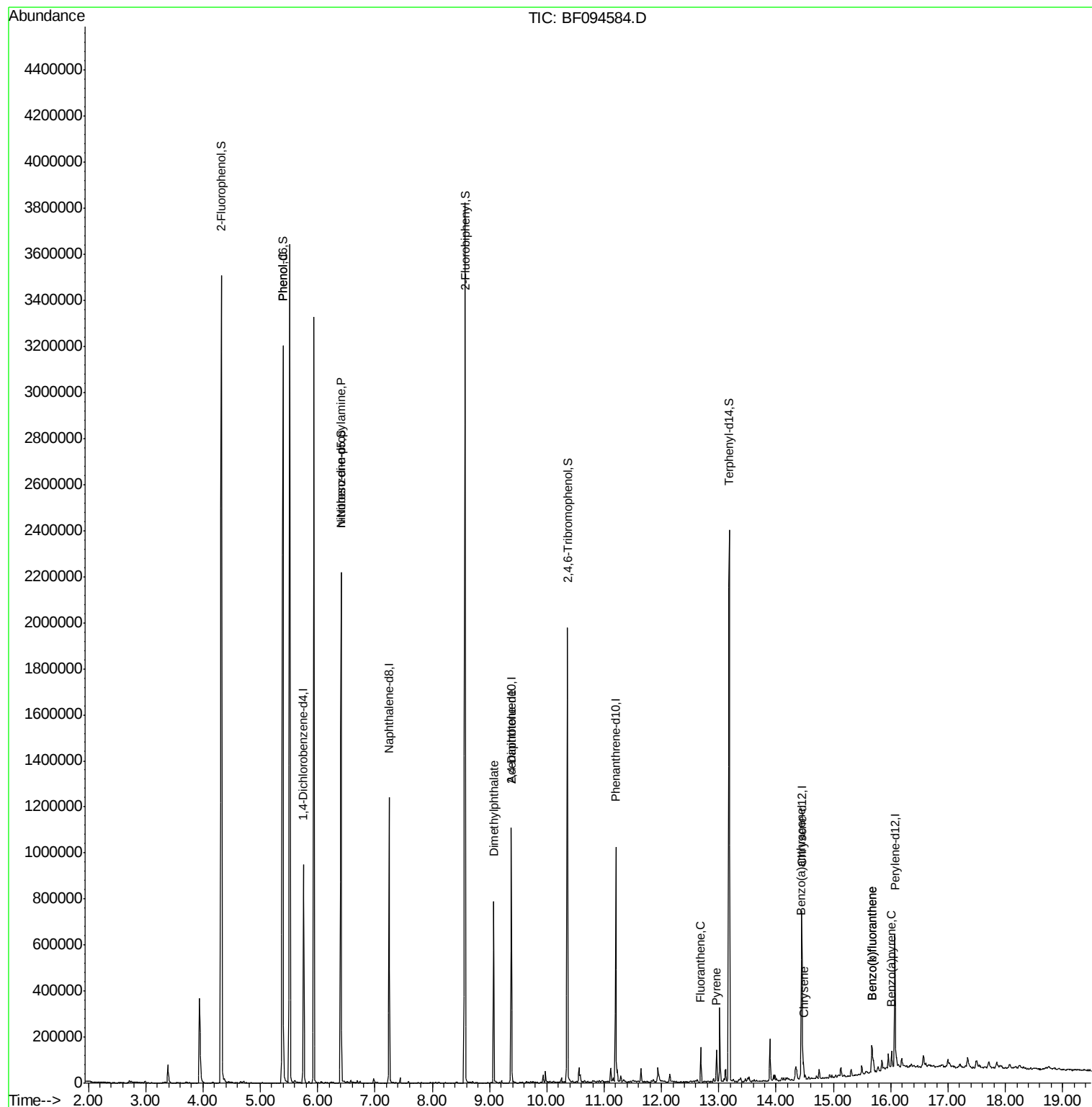
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	149381	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	571696	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	242374	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	394893	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	258033	20.00	ng	-0.02
86) Perylene-d12	16.08	264	237551	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	1216359	135.09	ng	0.01
7) Phenol-d6	5.40	99	1480430	139.47	ng	0.00
23) Nitrobenzene-d5	6.41	82	916412	98.98	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	260358	137.33	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1406485	85.38	ng	-0.01
78) Terphenyl-d14	13.18	244	894559	92.67	ng	-0.01
Target Compounds						
10) Phenol	5.40	94	93718	7.19	ng	Qvalue 95
19) n-Nitroso-di-n-propylamine	6.41	70	122429	17.41	ng	# 75
49) Dimethylphthalate	9.07	163	332568	18.41	ng	98
56) 2,4-Dinitrotoluene	9.38	165	30232	6.08	ng	# 33
74) Fluoranthene	12.69	202	64241	2.79	ng	97
77) Pyrene	12.97	202	58946	3.27	ng	95
80) Benzo(a)anthracene	14.44	228	31583	2.11	ng	99
82) Chrysene	14.48	228	32007	2.34	ng	98
87) Benzo(b)fluoranthene	15.67	252	72965	5.02	ng	98
88) Benzo(k)fluoranthene	15.67	252	72965	5.31	ng	# 95
89) Benzo(a)pyrene	16.02	252	33099	2.45	ng	98

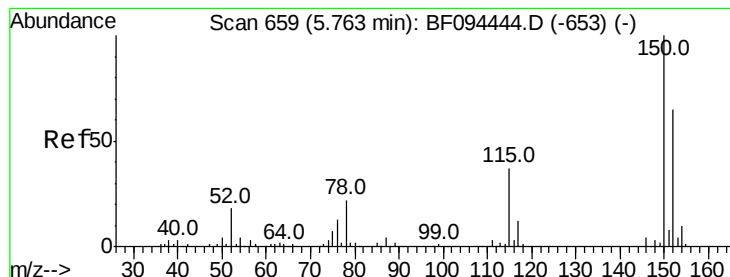
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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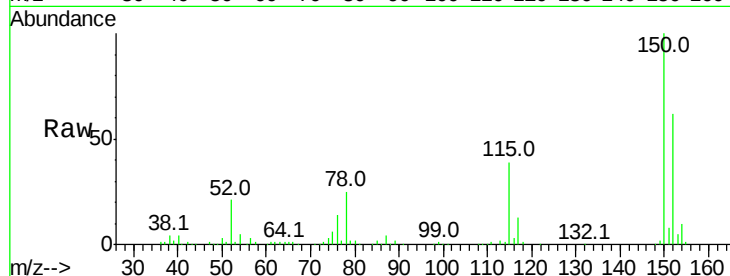


#1

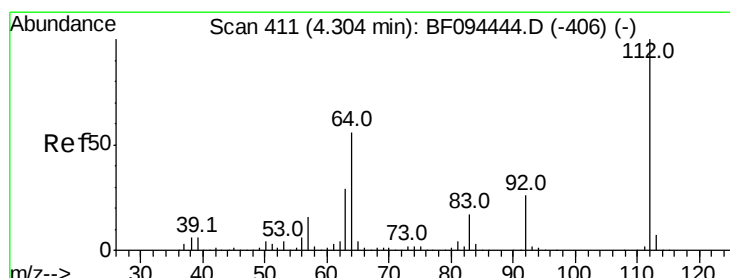
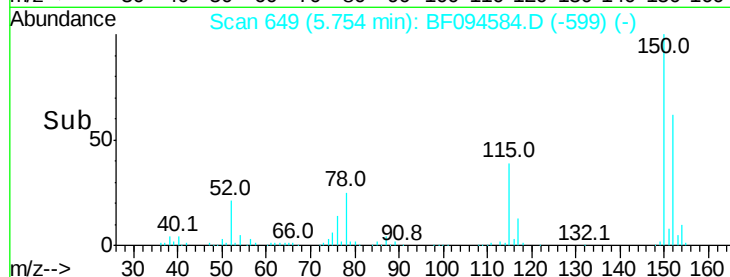
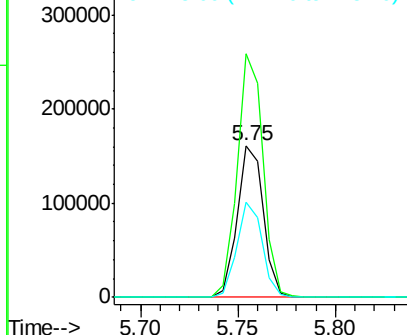
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094584.D
Acq: 24 Apr 2017 14:44

Instrument :
BNA_F
ClientSampleId :
PE-5

Tot Ion:152 Resp: 149381
Ion Ratio Lower Upper
152 100
150 160.3 126.2 189.2
115 63.1 52.2 78.2



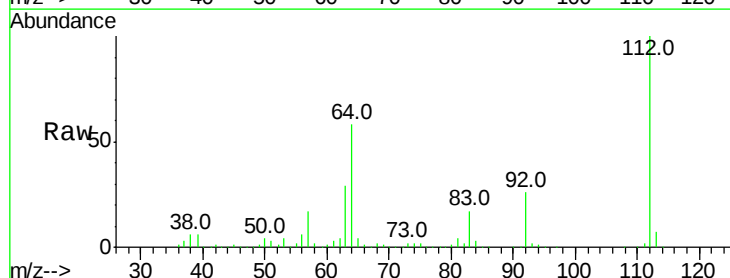
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



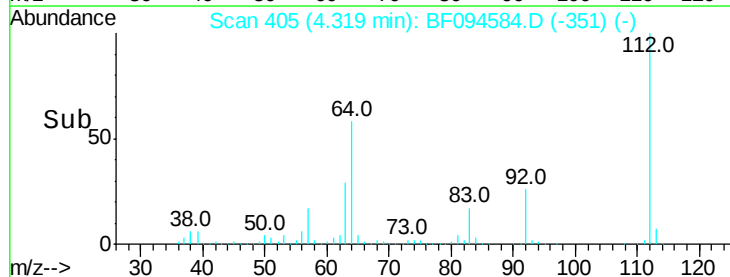
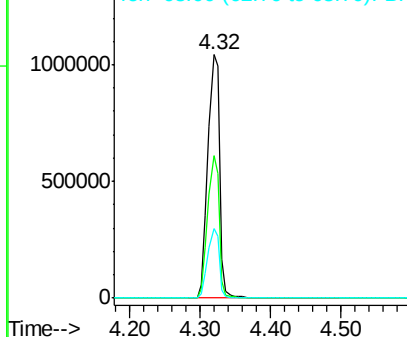
#5

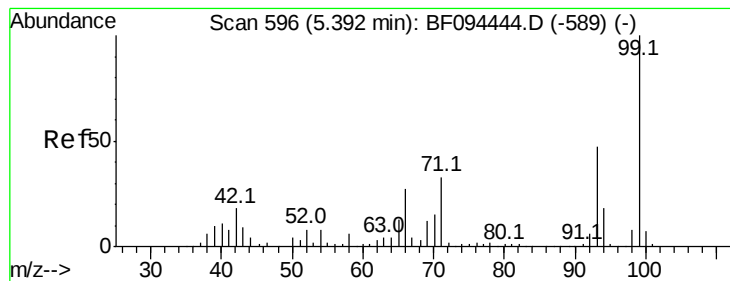
2-Fluorophenol
Concen: 135.09 ng
RT: 4.32 min Scan# 405
Delta R.T. 0.01 min
Lab File: BF094584.D
Acq: 24 Apr 2017 14:44

Tgt Ion:112 Resp: 1216359
Ion Ratio Lower Upper
112 100
64 58.3 46.0 69.0
63 28.7 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: 139.47 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094584.D

Acq: 24 Apr 2017 14:44

Instrument :

BNA_F

ClientSampleId :

PE-5

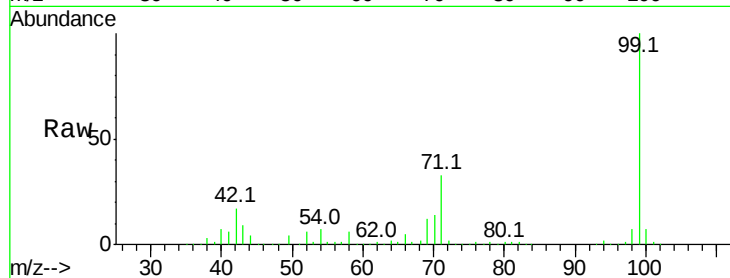
Tot Ion: 99 Resp: 1480430

Ion Ratio Lower Upper

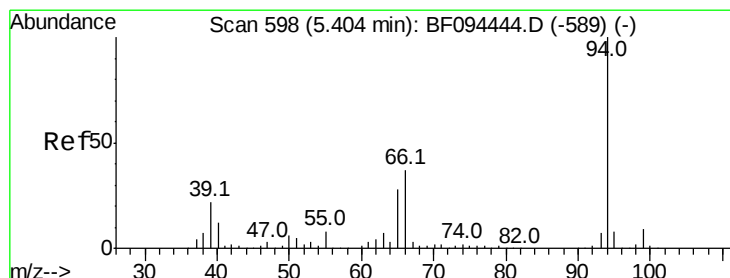
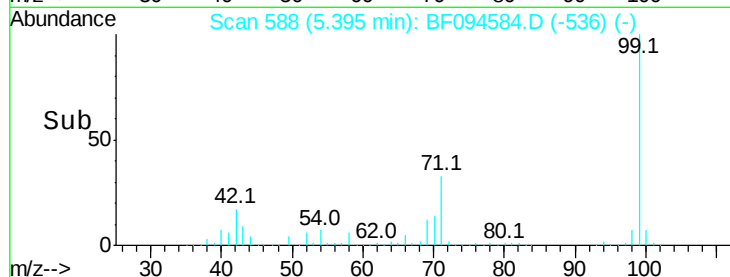
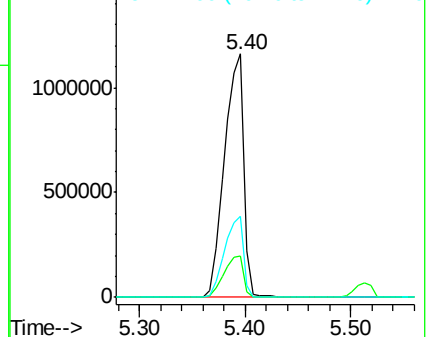
99 100

42 17.2 13.5 20.3

71 33.3 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: 7.19 ng

RT: 5.40 min Scan# 589

Delta R.T. -0.00 min

Lab File: BF094584.D

Acq: 24 Apr 2017 14:44

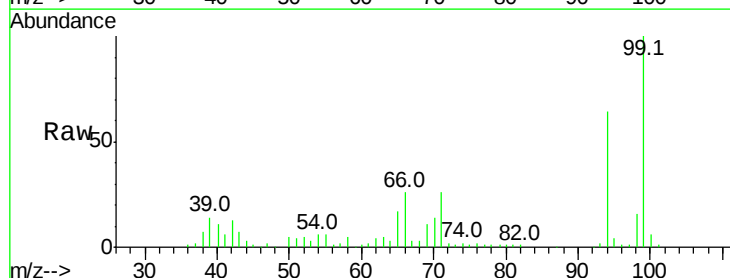
Tgt Ion: 94 Resp: 93718

Ion Ratio Lower Upper

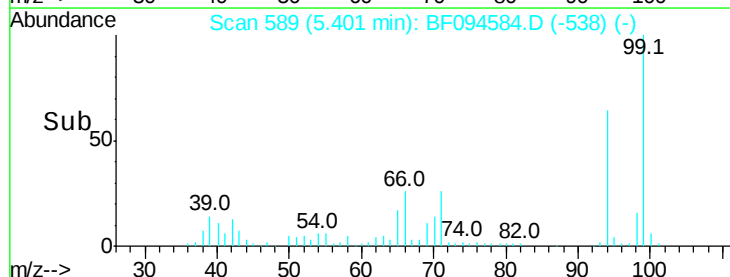
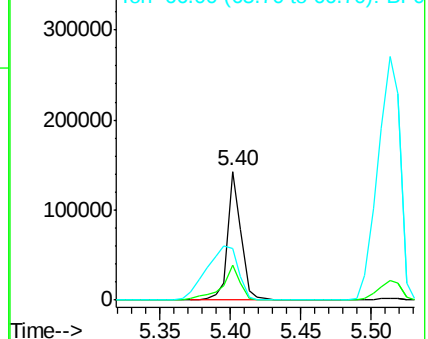
94 100

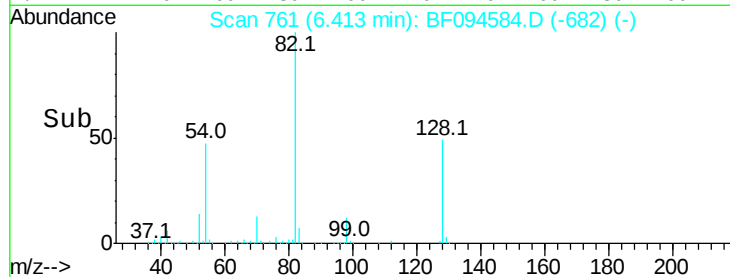
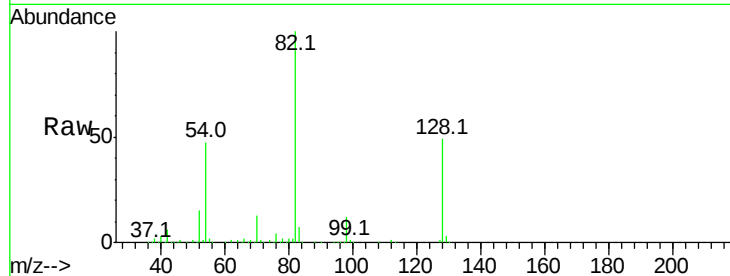
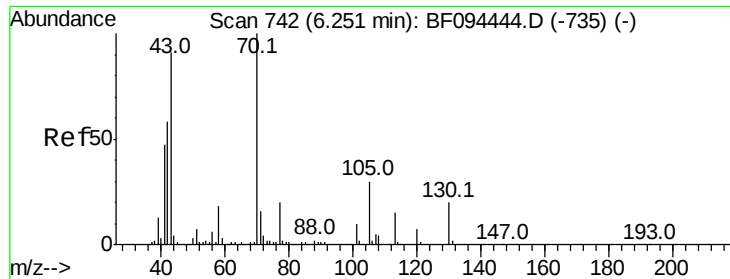
65 27.1 9.9 49.9

66 40.4 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

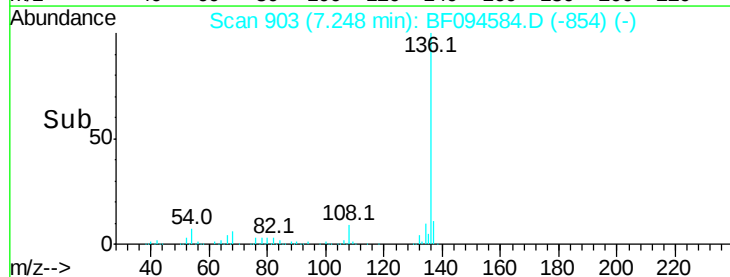
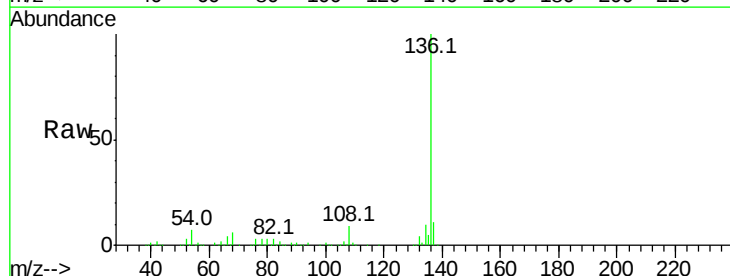
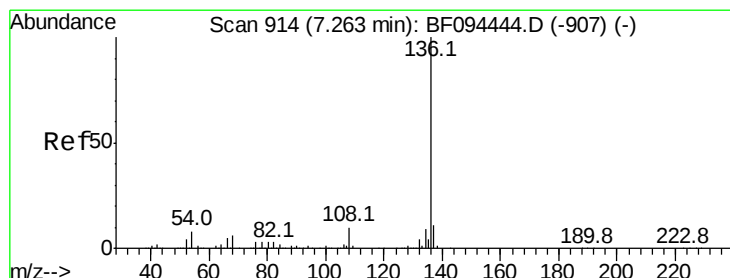
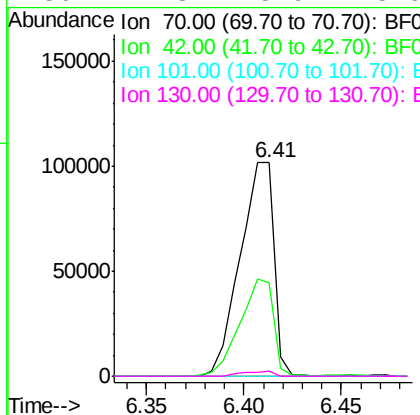




#19
n-Nitroso-di-n-propylamine
Concen: 17.41 ng
RT: 6.41 min Scan# 761
Delta R.T. 0.16 min
Lab File: BF094584.D
Acq: 24 Apr 2017 14:44

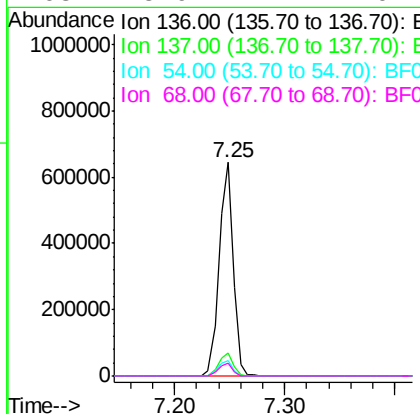
Instrument :
BNA_F
ClientSampleId :
PE-5

Tot Ion: 70 Resp: 122429
Ion Ratio Lower Upper
70 100
42 43.5 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF094584.D
Acq: 24 Apr 2017 14:44

Tgt Ion:136 Resp: 571696
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 7.1 4.9 7.3
68 5.9 4.1 6.1

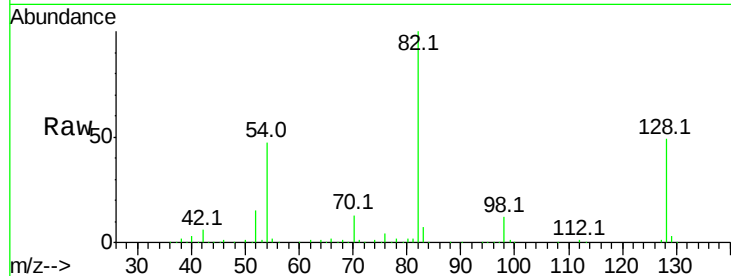




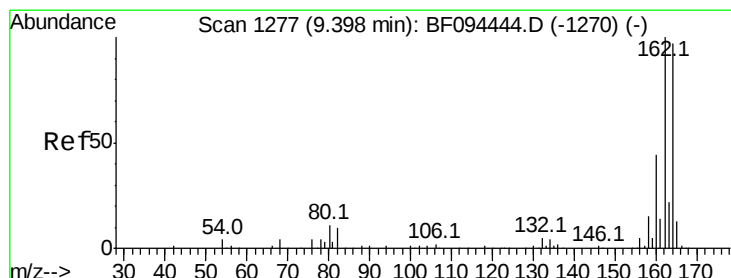
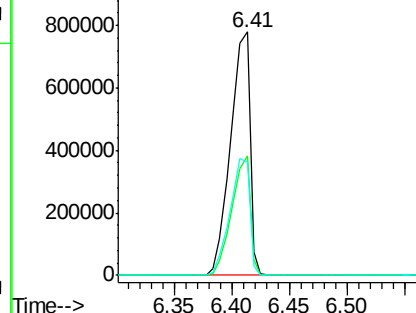
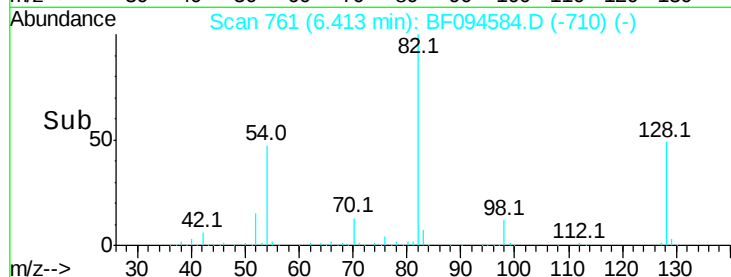
#23
 Nitrobenzene-d5
 Concen: 98.98 ng
 RT: 6.41 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF094584.D
 Acq: 24 Apr 2017 14:44

Instrument :
 BNA_F
 ClientSampleId :
 PE-5

Tot Ion: 82 Resp: 916412
 Ion Ratio Lower Upper
 82 100
 128 48.8 34.0 51.0
 54 46.7 42.2 63.2

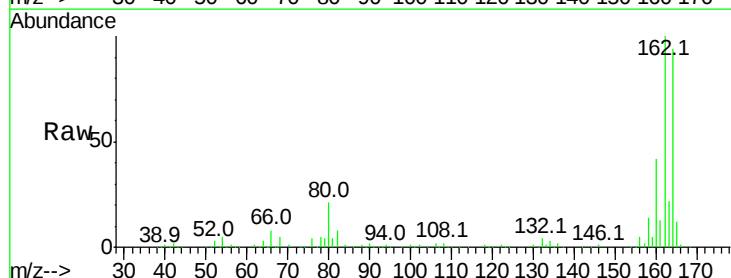


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

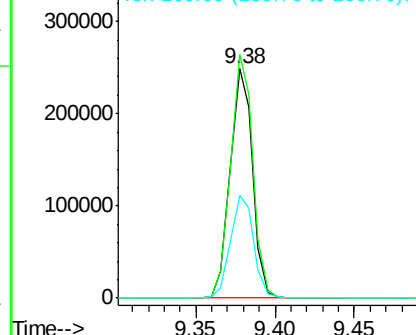
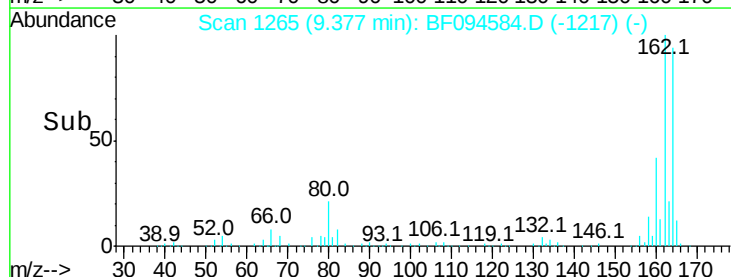


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF094584.D
 Acq: 24 Apr 2017 14:44

Tgt Ion:164 Resp: 242374
 Ion Ratio Lower Upper
 164 100
 162 106.1 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

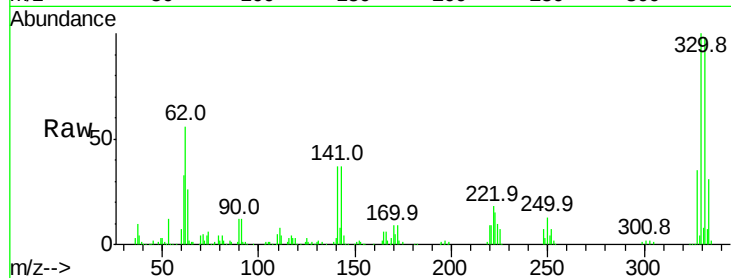




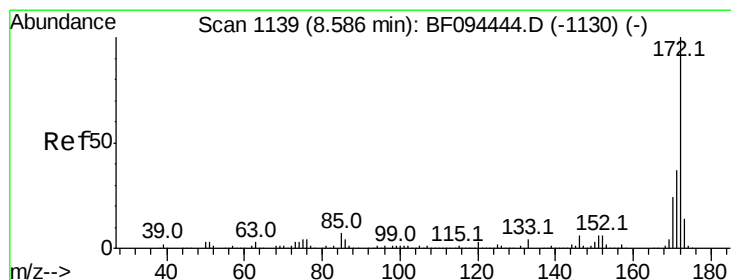
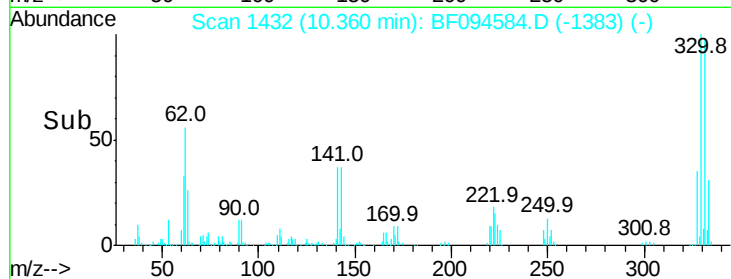
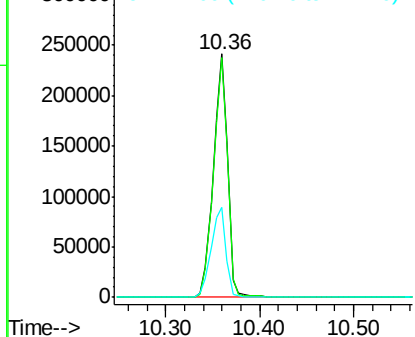
#41
 2,4,6-Tribromophenol
 Concen: 137.33 ng
 RT: 10.36 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF094584.D
 Acq: 24 Apr 2017 14:44

Instrument :
 BNA_F
 ClientSampleId :
 PE-5

Tot Ion:330 Resp: 260358
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 38.9 31.4 47.2

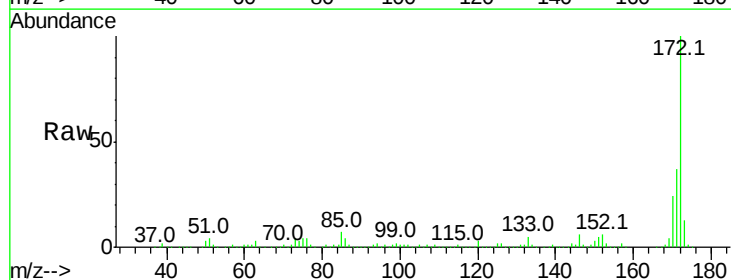


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

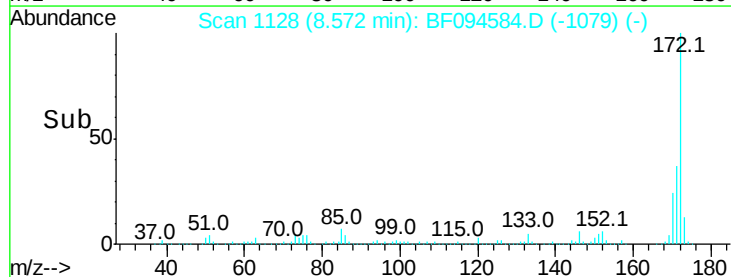
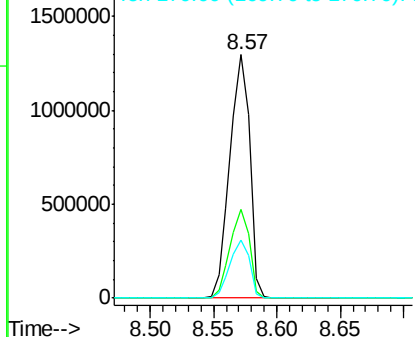


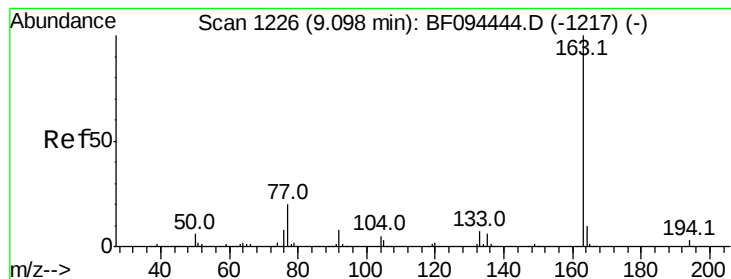
#44
 2-Fluorobiphenyl
 Concen: 85.38 ng
 RT: 8.57 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF094584.D
 Acq: 24 Apr 2017 14:44

Tgt Ion:172 Resp: 1406485
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.0 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: 18.41 ng

RT: 9.07 min Scan# 1213

Delta R.T. -0.03 min

Lab File: BF094584.D

Acq: 24 Apr 2017 14:44

Instrument :

BNA_F

ClientSampled :

PE-5

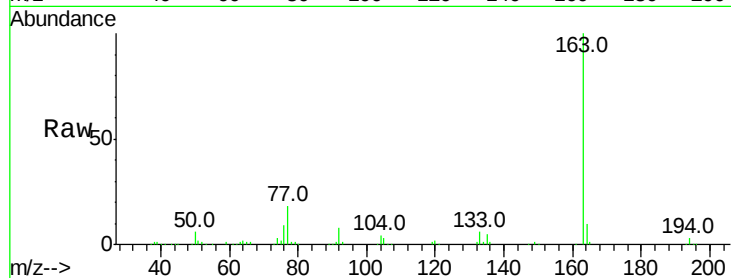
Tot Ion:163 Resp: 332568

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

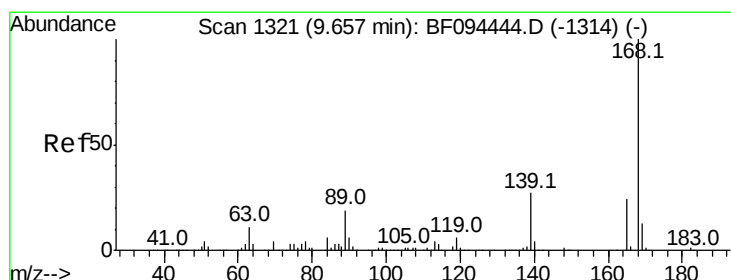
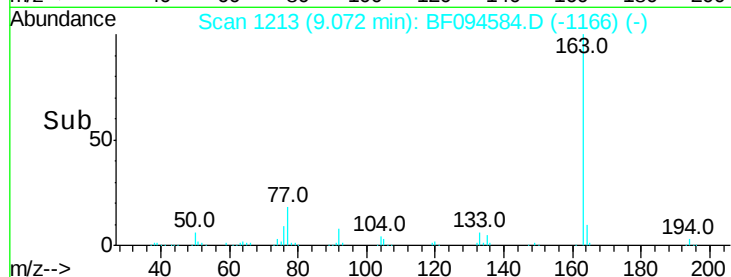
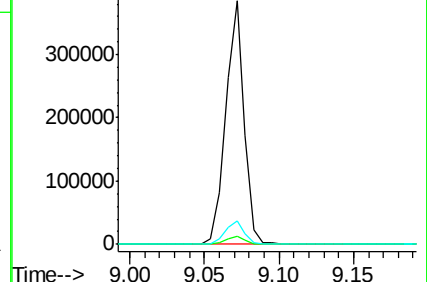
164 9.6 8.4 12.6



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: 6.08 ng

RT: 9.38 min Scan# 1265

Delta R.T. -0.28 min

Lab File: BF094584.D

Acq: 24 Apr 2017 14:44

Tgt Ion:165 Resp: 30232

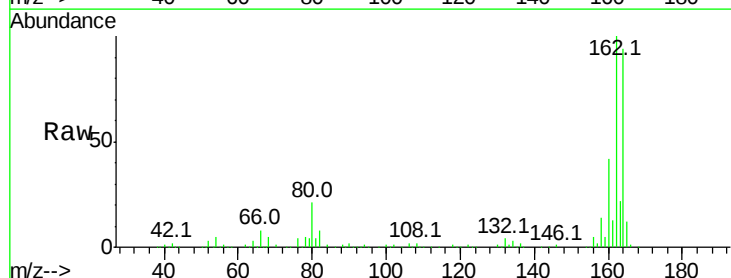
Ion Ratio Lower Upper

165 100

63 1.2 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

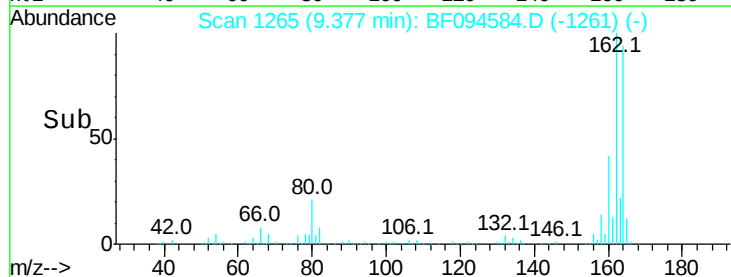
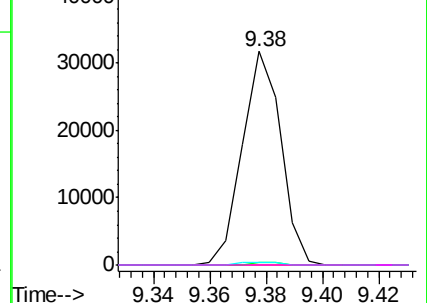


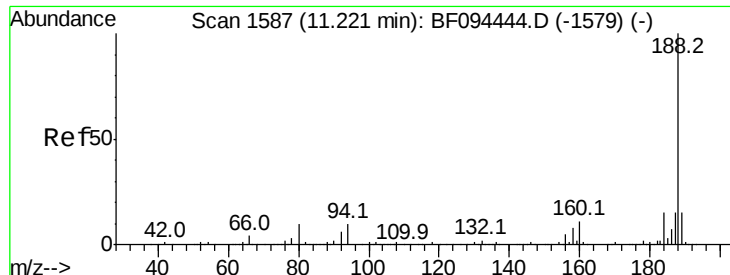
Abundance Ion 165.00 (164.70 to 165.70): E

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

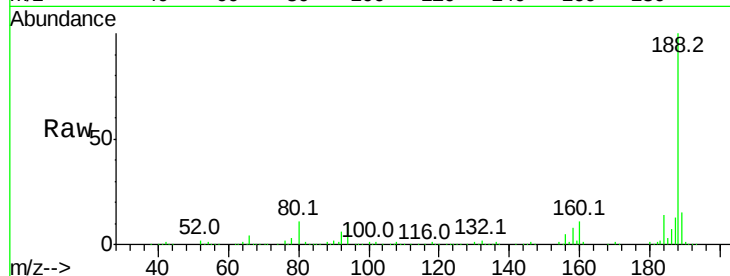




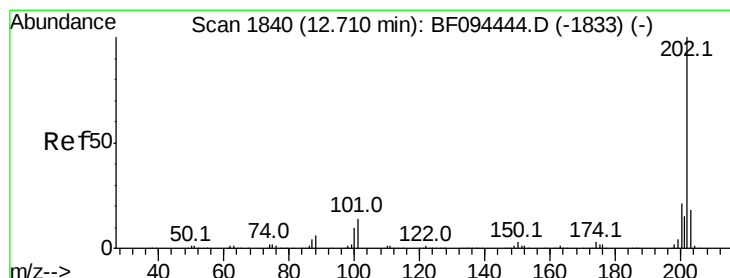
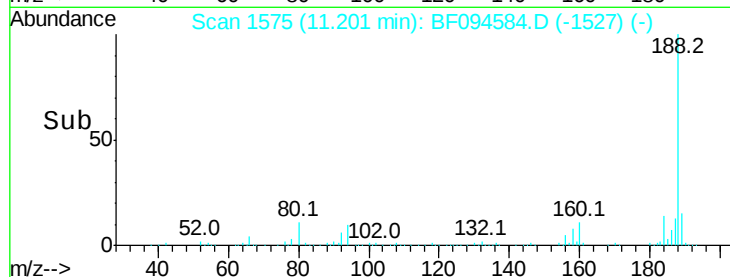
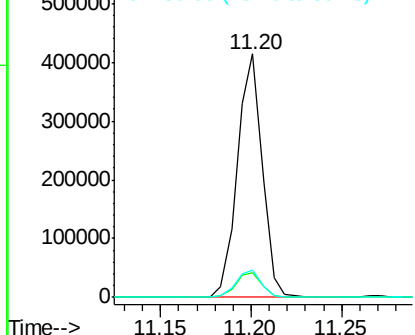
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF094584.D
Acq: 24 Apr 2017 14:44

Instrument :
BNA_F
ClientSampleId :
PE-5

Tot Ion:188 Resp: 394893
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 11.1 10.2 15.2

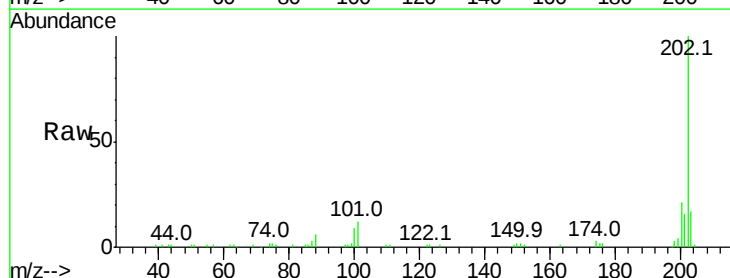


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

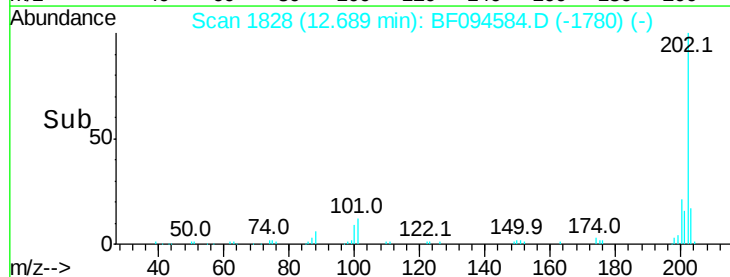
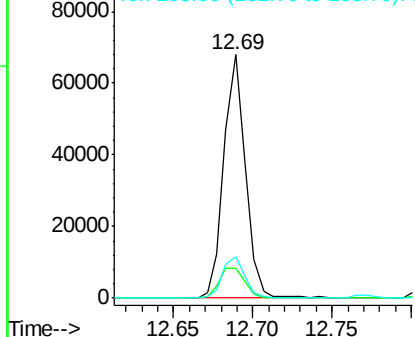


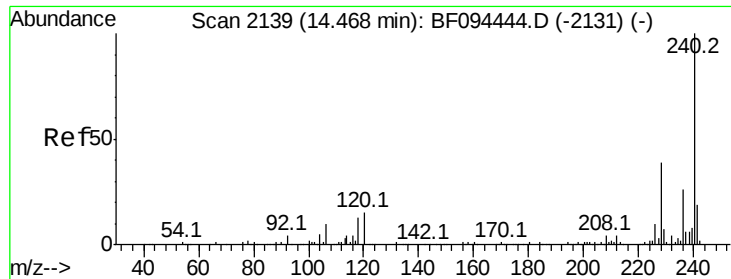
#74
Fluoranthene
Concen: 2.79 ng
RT: 12.69 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF094584.D
Acq: 24 Apr 2017 14:44

Tgt Ion:202 Resp: 64241
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.2
203 16.9 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: 14.45 min Scan# 2127

Delta R.T. -0.02 min

Lab File: BF094584.D

Acq: 24 Apr 2017 14:44

Instrument :

BNA_F

ClientSampleId :

PE-5

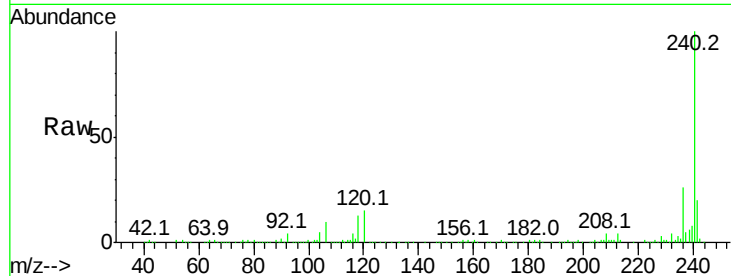
Tot Ion:240 Resp: 258033

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

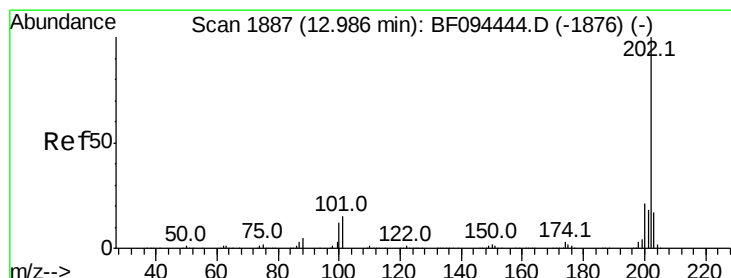
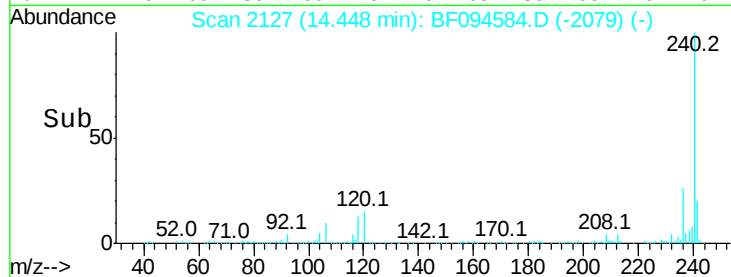
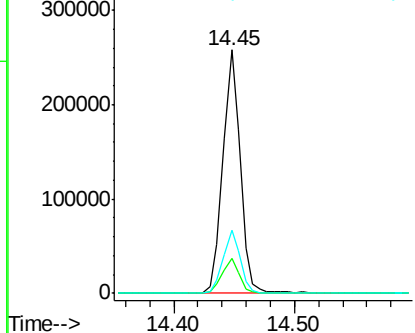
236 25.8 20.5 30.7



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: 3.27 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BF094584.D

Acq: 24 Apr 2017 14:44

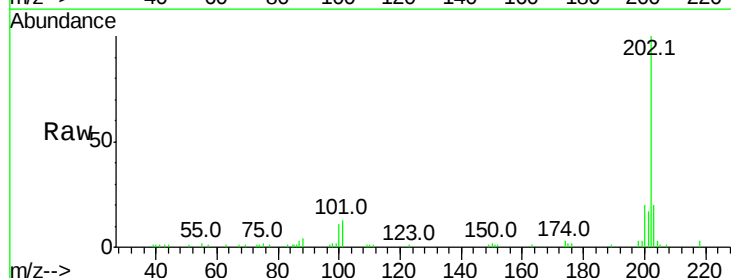
Tgt Ion:202 Resp: 58946

Ion Ratio Lower Upper

202 100

200 19.9 17.6 26.4

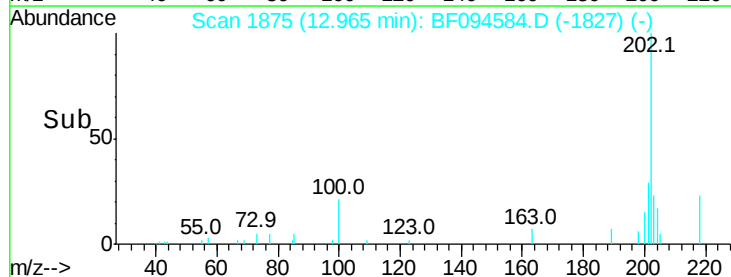
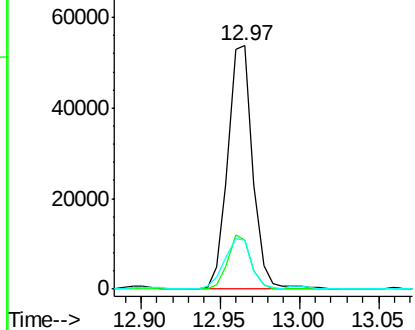
203 20.2 14.4 21.6

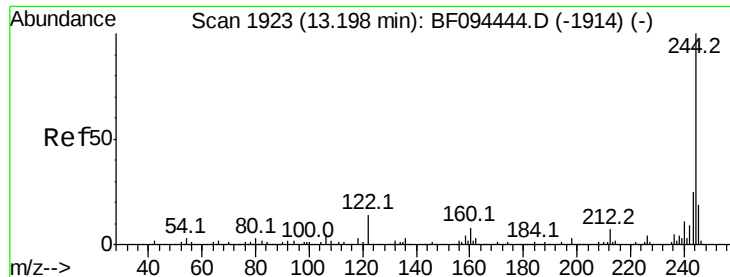


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 92.67 ng

RT: 13.18 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094584.D

Acq: 24 Apr 2017 14:44

Instrument :

BNA_F

ClientSampled :

PE-5

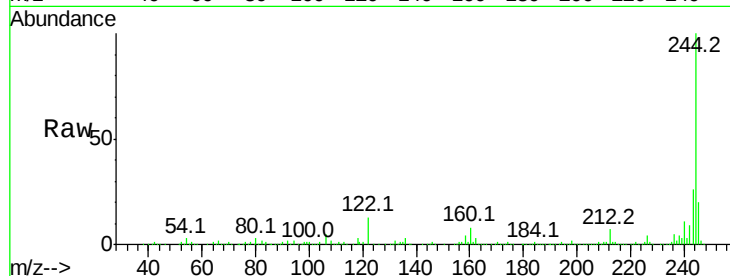
Tot Ion:244 Resp: 894559

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

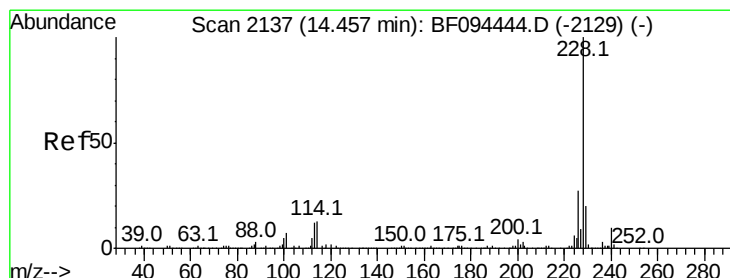
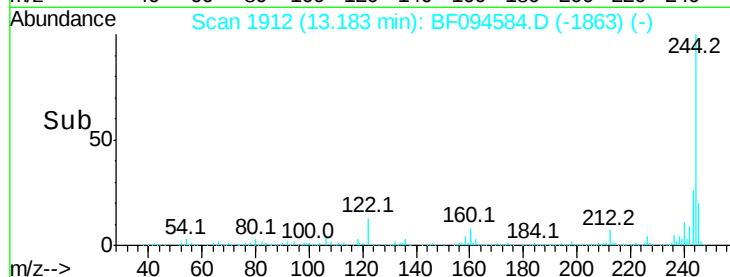
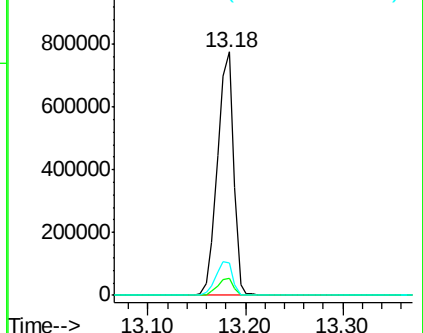
122 13.2 10.3 15.5



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: 2.11 ng

RT: 14.44 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BF094584.D

Acq: 24 Apr 2017 14:44

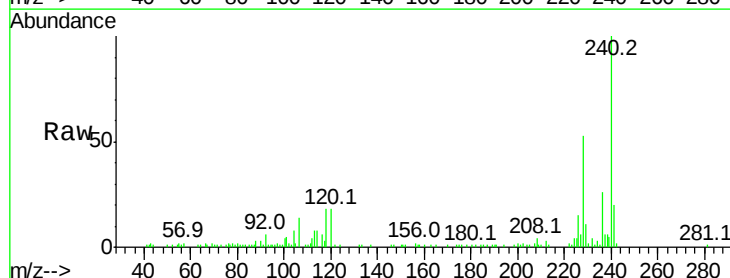
Tgt Ion:228 Resp: 31583

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

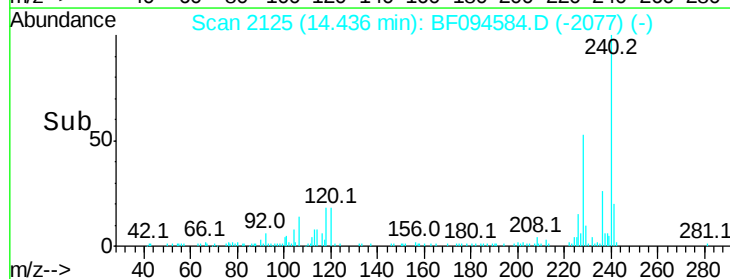
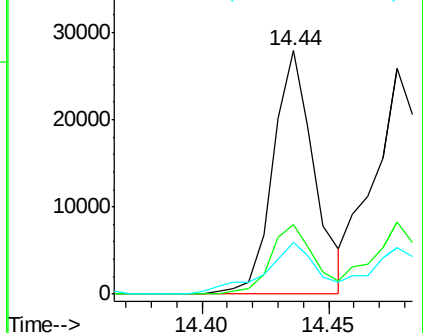
229 21.1 16.3 24.5

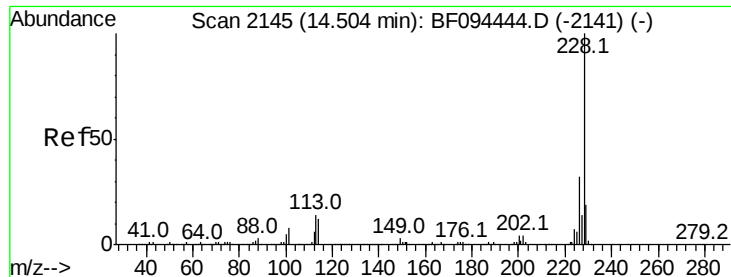


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

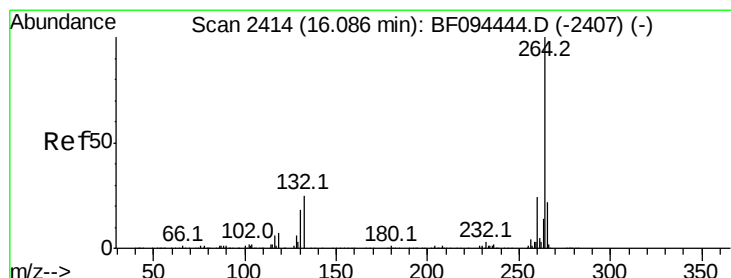
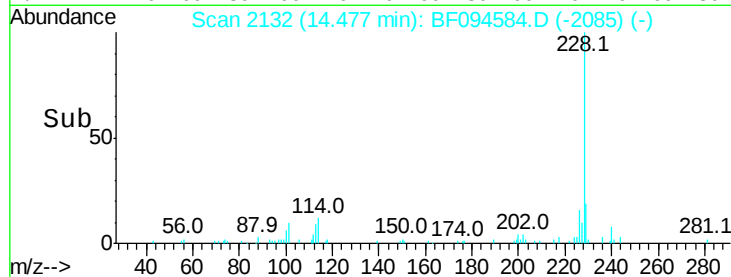
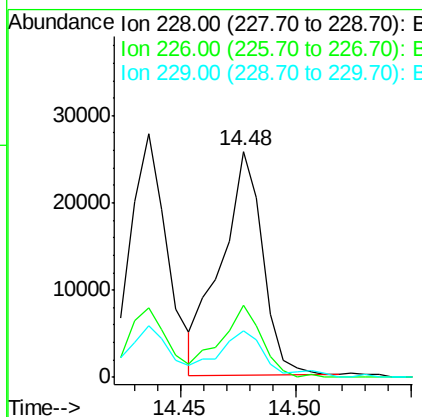
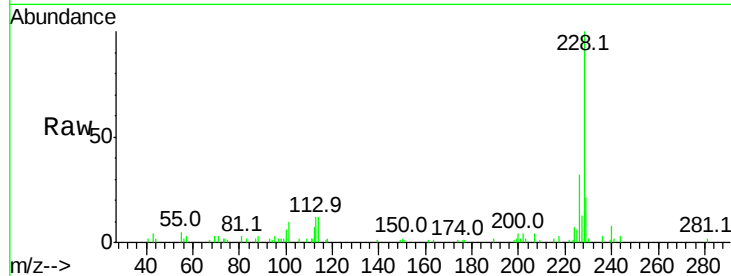




#82
Chrysene
Concen: 2.34 ng
RT: 14.48 min Scan# 2132
Delta R.T. -0.03 min
Lab File: BF094584.D
Acq: 24 Apr 2017 14:44

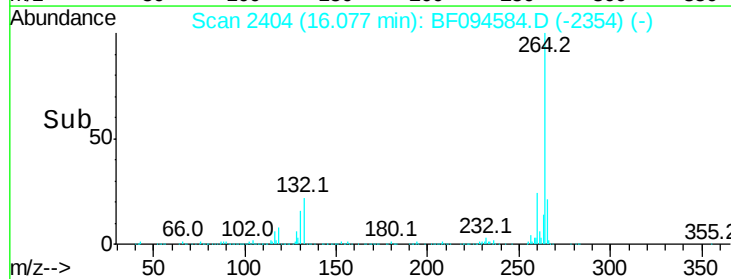
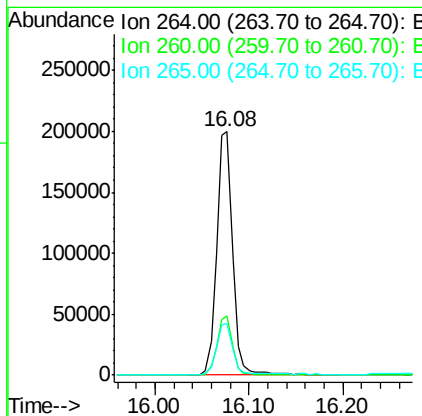
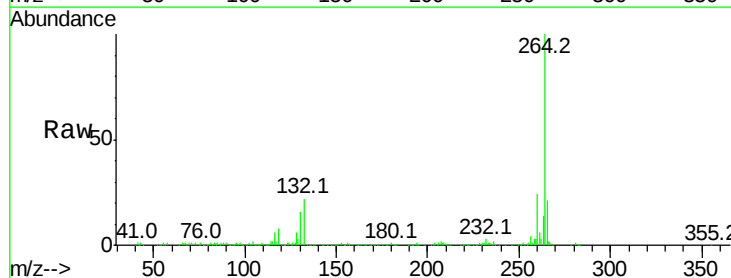
Instrument :
BNA_F
ClientSampleId :
PE-5

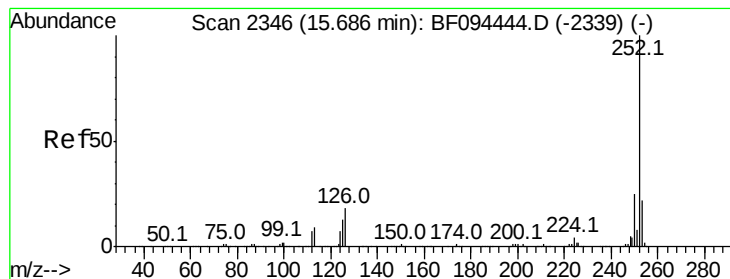
Tot Ion:228 Resp: 32007
Ion Ratio Lower Upper
228 100
226 31.9 24.9 37.3
229 20.6 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BF094584.D
Acq: 24 Apr 2017 14:44

Tgt Ion:264 Resp: 237551
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 21.2 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 5.02 ng

RT: 15.67 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BF094584.D

Acq: 24 Apr 2017 14:44

Instrument :

BNA_F

ClientSampled :

PE-5

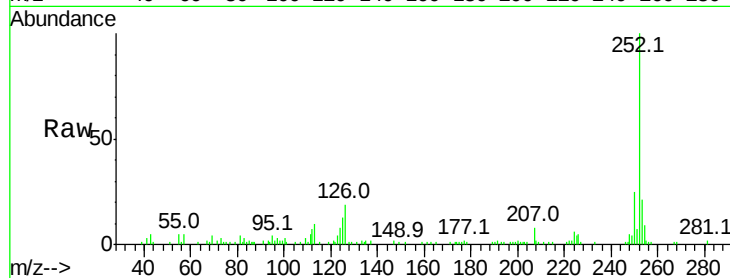
Tot Ion:252 Resp: 72965

Ion Ratio Lower Upper

252 100

253 21.3 18.1 27.1

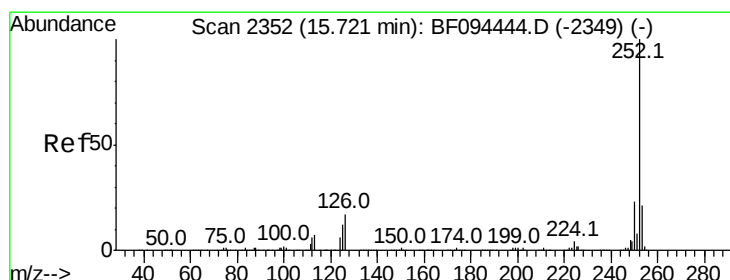
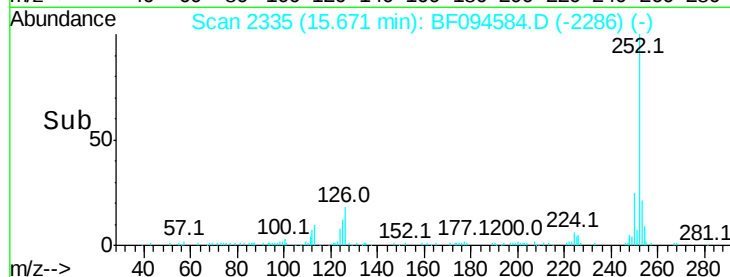
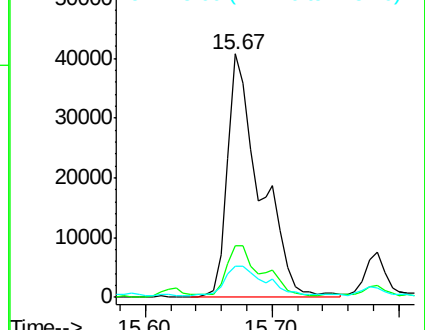
125 12.8 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.31 ng

RT: 15.67 min Scan# 2335

Delta R.T. -0.05 min

Lab File: BF094584.D

Acq: 24 Apr 2017 14:44

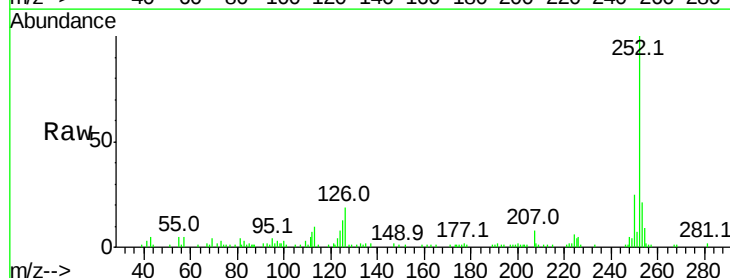
Tgt Ion:252 Resp: 72965

Ion Ratio Lower Upper

252 100

253 21.3 18.4 27.6

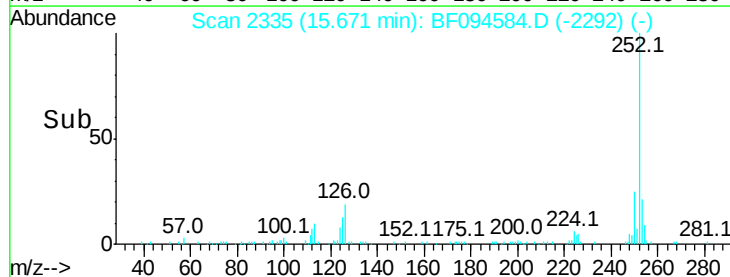
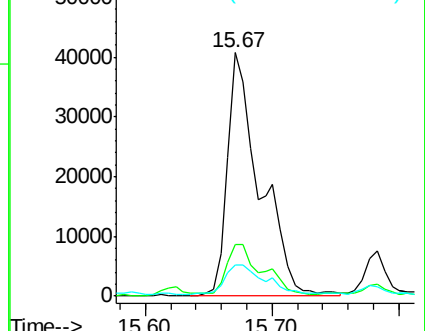
125 12.8 13.1 19.7#

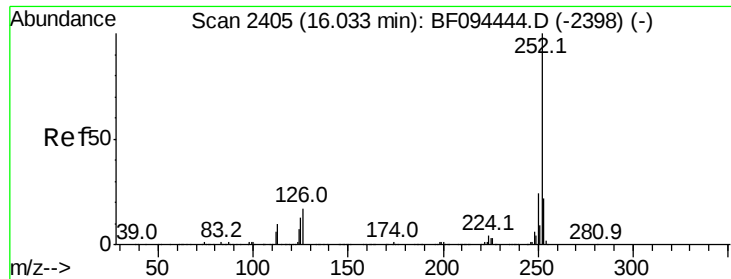


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.45 ng

RT: 16.02 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BF094584.D

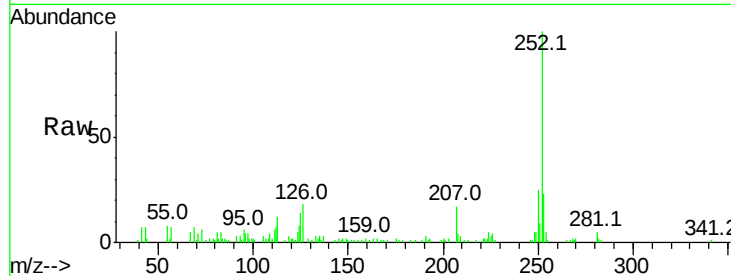
Acq: 24 Apr 2017 14:44

Instrument :

BNA_F

ClientSampleId :

PE-5



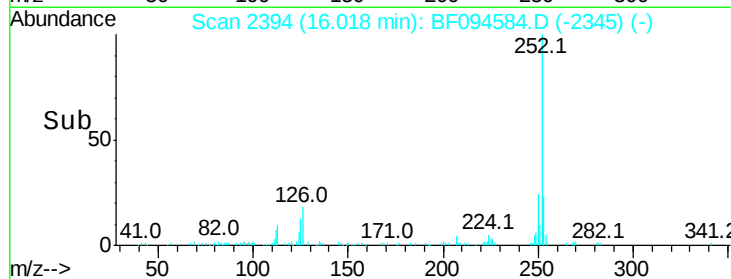
Tot Ion: 252 Resp: 33099

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 14.5 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

