

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095939.D
 Acq On : 15 Jun 2017 00:05
 Operator : SJ/MA
 Sample : I3660-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 15 01:10:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

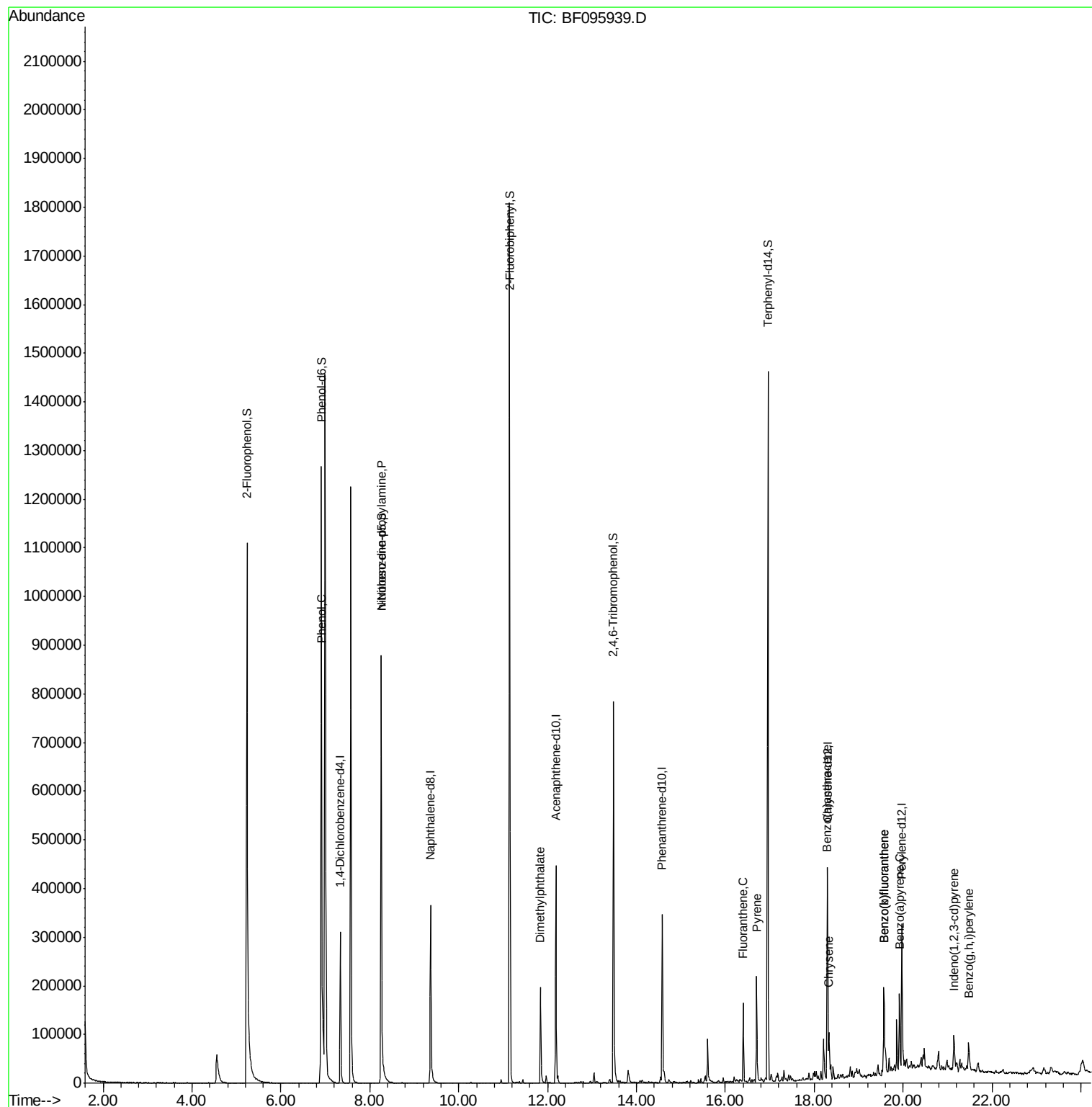
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	72998	20.00	ng	-0.06
21) Naphthalene-d8	9.36	136	293217	20.00	ng	-0.07
38) Acenaphthene-d10	12.19	164	126803	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	198596	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	152485	20.00	ng	-0.06
86) Perylene-d12	19.97	264	121806	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	666159	145.41	ng	-0.05
7) Phenol-d6	6.91	99	785849	143.29	ng	-0.05
23) Nitrobenzene-d5	8.26	82	461871	97.83	ng	-0.06
41) 2,4,6-Tribromophenol	13.48	330	136610	121.77	ng	-0.07
44) 2-Fluorobiphenyl	11.15	172	857359	94.09	ng	-0.07
78) Terphenyl-d14	16.96	244	558560	90.91	ng	-0.06
Target Compounds						
10) Phenol	6.92	94	15320	2.69	ng	# 67
19) n-Nitroso-di-n-propylamine	8.26	70	57766	16.62	ng	# 74
49) Dimethylphthalate	11.84	163	126637	13.15	ng	99
74) Fluoranthene	16.40	202	93156	8.21	ng	99
77) Pyrene	16.70	202	96794	8.51	ng	96
80) Benzo(a)anthracene	18.29	228	60274	6.80	ng	95
82) Chrysene	18.33	228	58572	6.61	ng	99
85) Indeno(1,2,3-cd)pyrene	21.14	276	42887	5.66	ng	# 90
87) Benzo(b)fluoranthene	19.57	252	90445	11.86	ng	98
88) Benzo(k)fluoranthene	19.57	252	90445	12.41	ng	98
89) Benzo(a)pyrene	19.92	252	62985	8.98	ng	96
91) Benzo(a,h,i)perylene	21.47	276	42722	7.05	ng	96

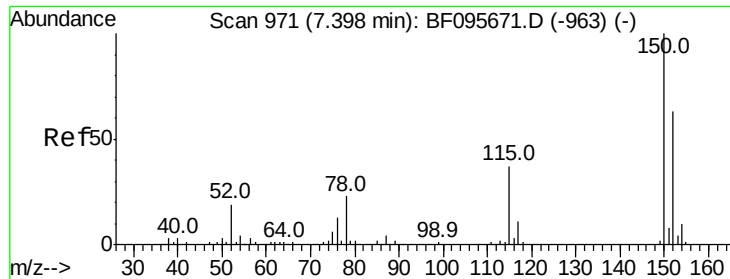
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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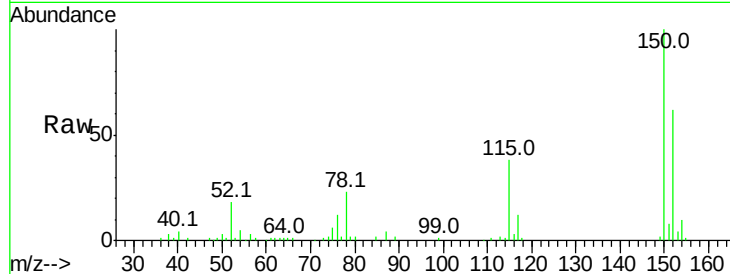


#1

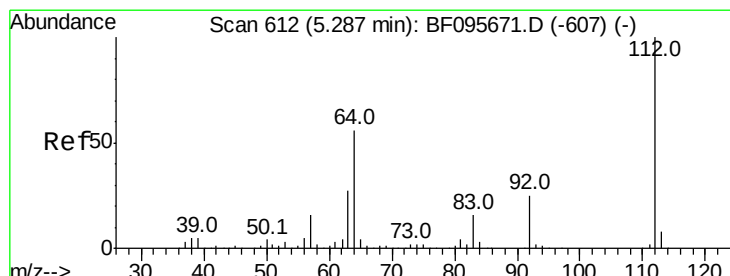
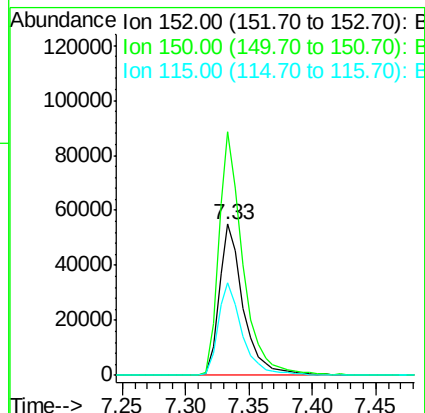
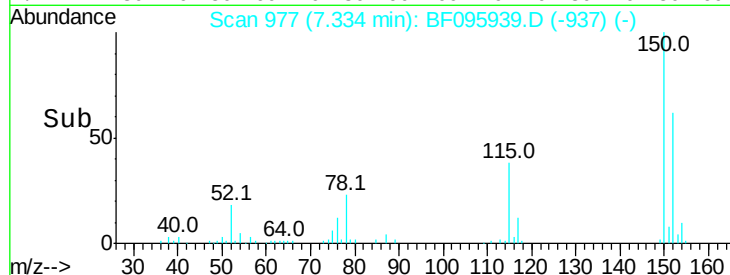
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 977
Delta R.T. -0.06 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 72998
Ion Ratio Lower Upper
152 100
150 161.2 126.2 189.2
115 61.2 52.2 78.2



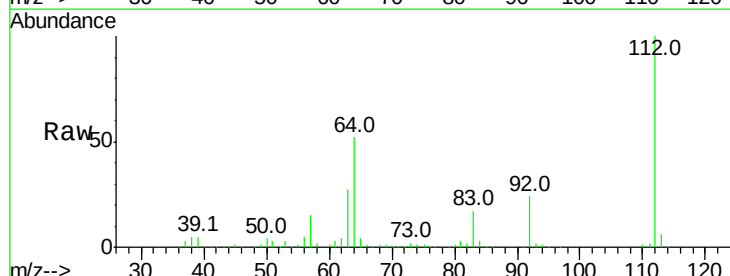
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



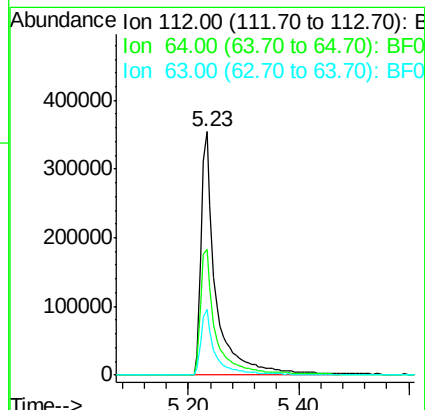
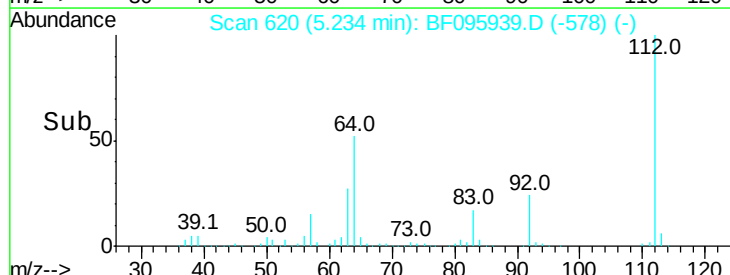
#5

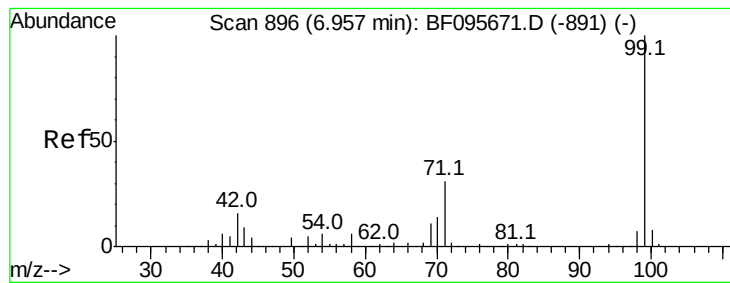
2-Fluorophenol
Concen: 145.41 ng
RT: 5.23 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Tgt Ion:112 Resp: 666159
Ion Ratio Lower Upper
112 100
64 51.7 46.0 69.0
63 26.9 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: 143.29 ng

RT: 6.91 min Scan# 905

Delta R.T. -0.05 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

Instrument :

BNA_F

ClientSampled :

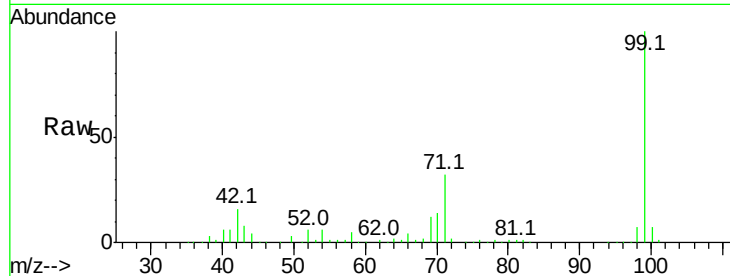
Tot Ion: 99 Resp: 785849

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

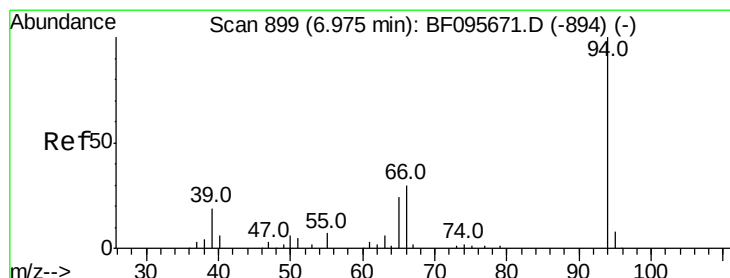
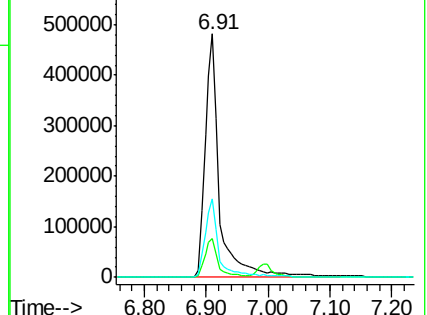
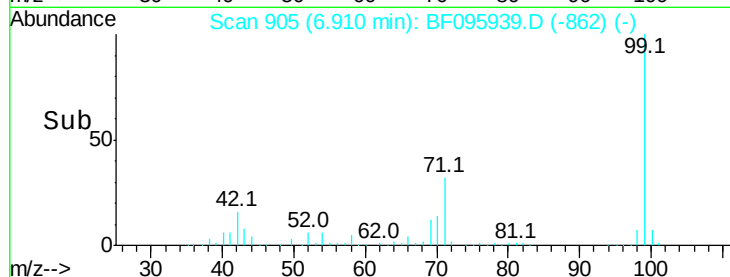
71 32.2 24.5 36.7



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: 2.69 ng

RT: 6.92 min Scan# 907

Delta R.T. -0.05 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

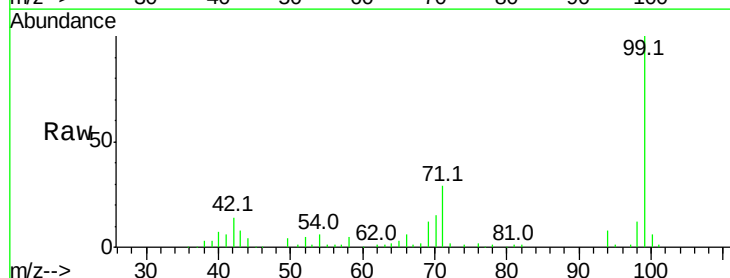
Tgt Ion: 94 Resp: 15320

Ion Ratio Lower Upper

94 100

65 31.9 9.9 49.9

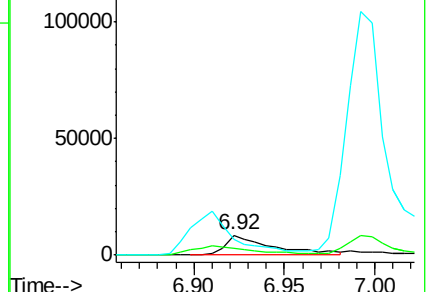
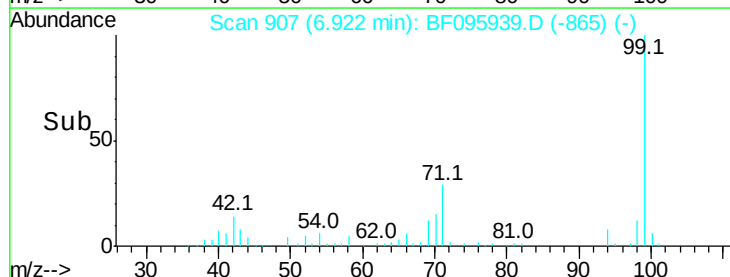
66 76.9 23.1 63.1#

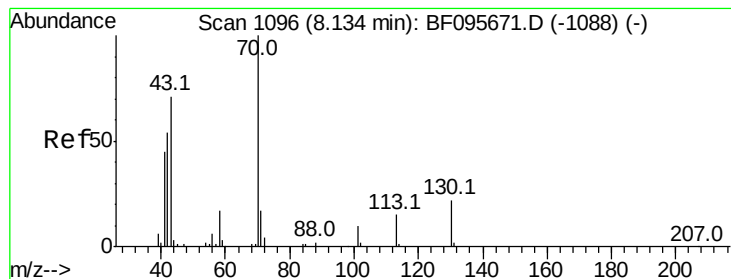


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 16.62 ng

RT: 8.26 min Scan# 1134

Delta R.T. 0.12 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 57766

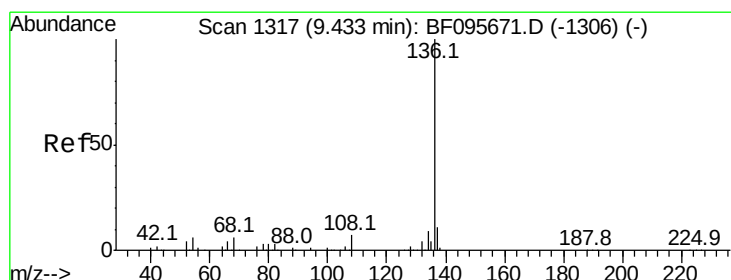
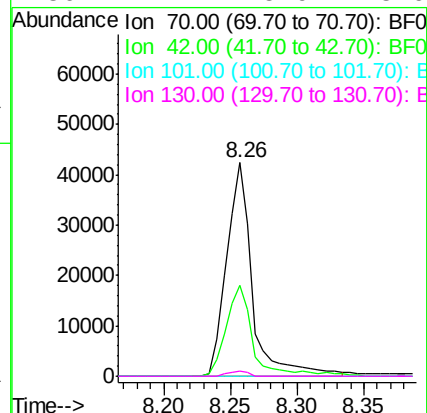
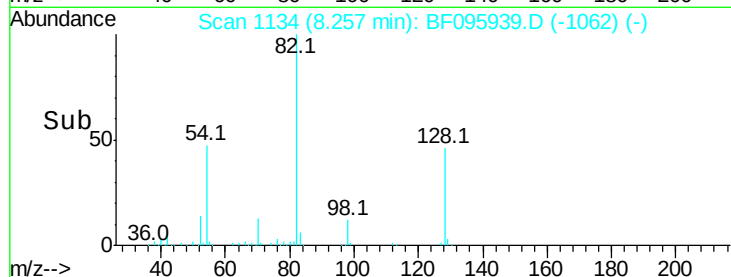
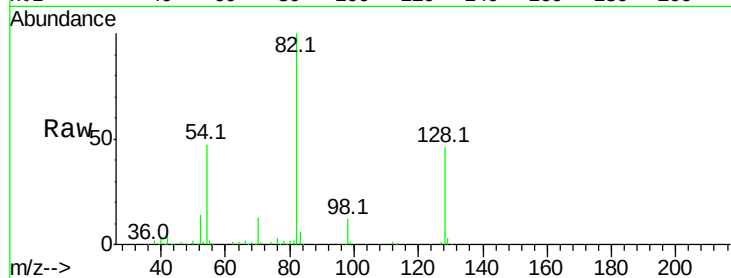
Ion Ratio Lower Upper

70 100

42 42.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.36 min Scan# 1322

Delta R.T. -0.07 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

Tgt Ion: 136 Resp: 293217

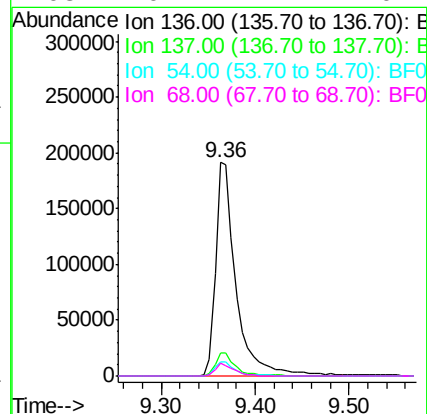
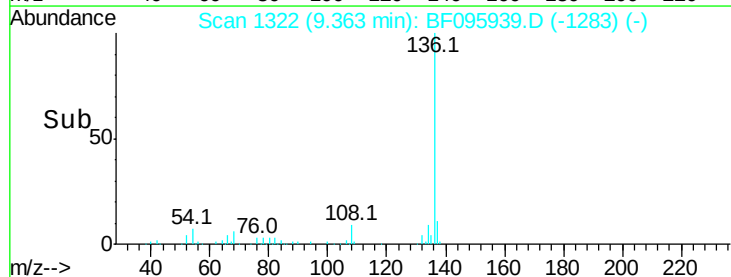
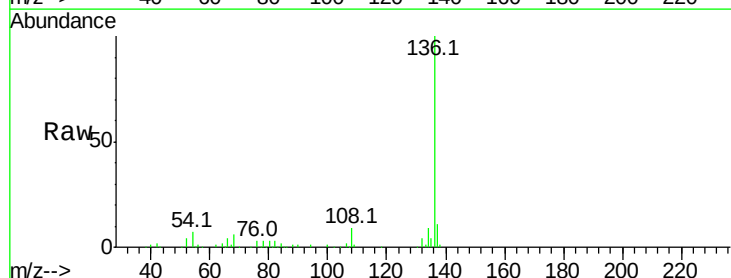
Ion Ratio Lower Upper

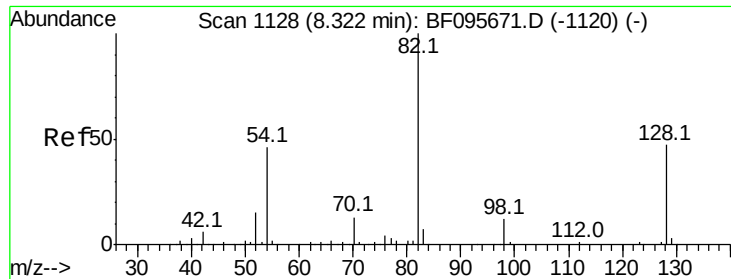
136 100

137 11.0 8.5 12.7

54 6.8 4.9 7.3

68 6.1 4.1 6.1

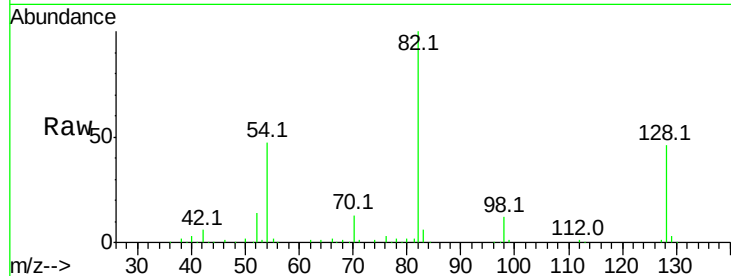




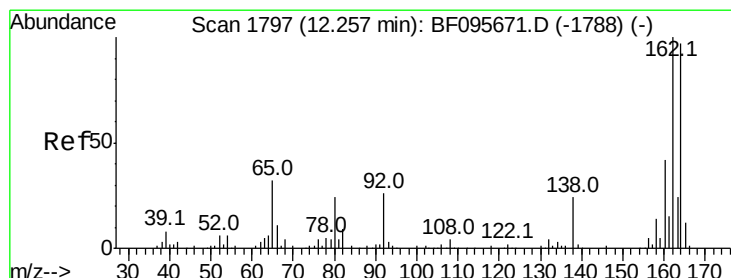
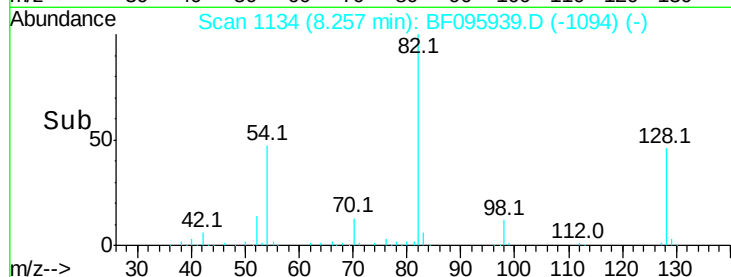
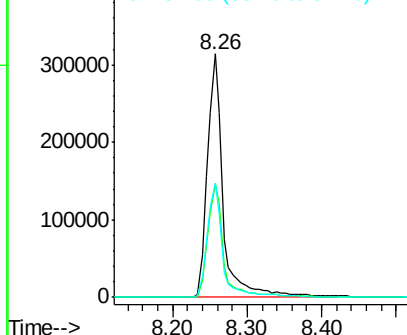
#23
Nitrobenzene-d5
Concen: 97.83 ng
RT: 8.26 min Scan# 1134
Delta R.T. -0.06 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 461871
Ion Ratio Lower Upper
82 100
128 46.3 34.0 51.0
54 46.7 42.2 63.2

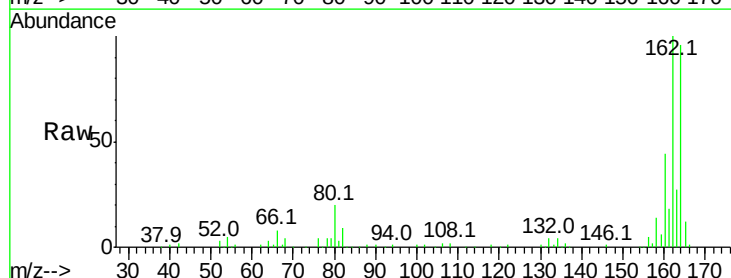


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

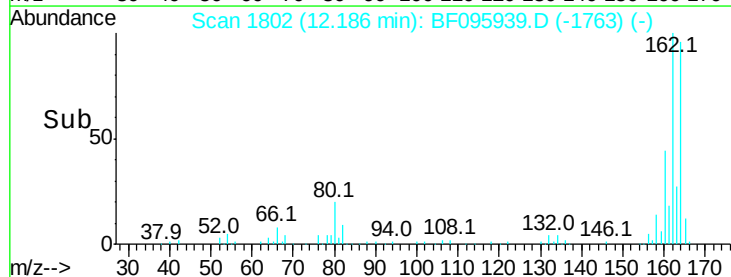
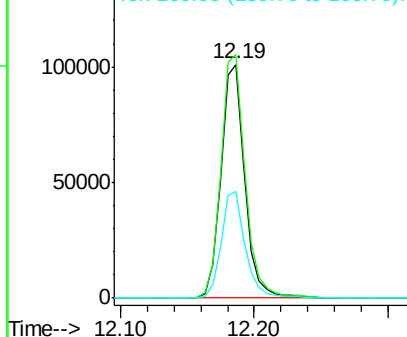


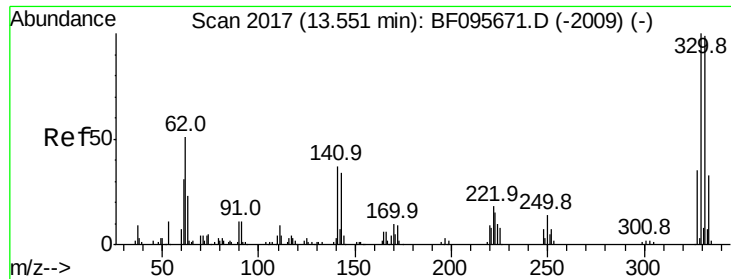
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.19 min Scan# 1802
Delta R.T. -0.07 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Tgt Ion:164 Resp: 126803
Ion Ratio Lower Upper
164 100
162 104.1 82.6 123.8
160 45.7 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

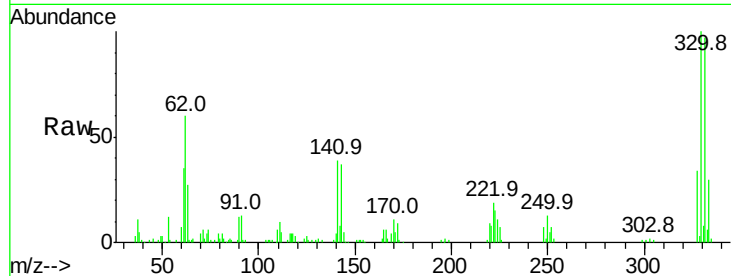




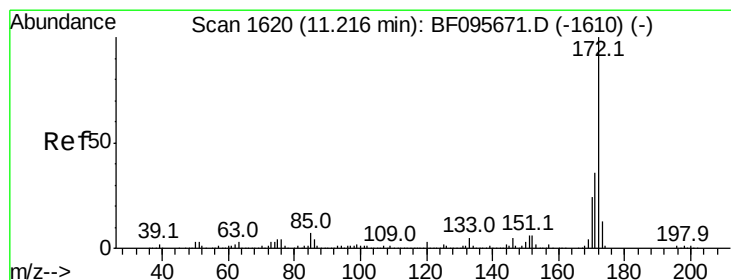
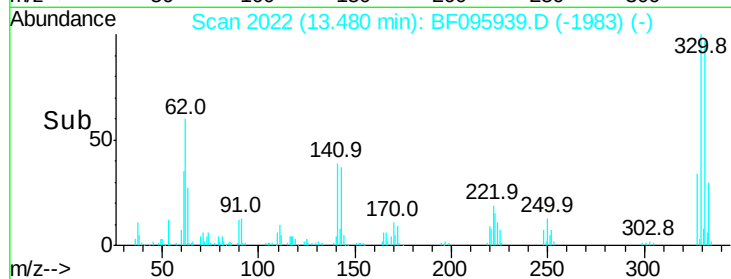
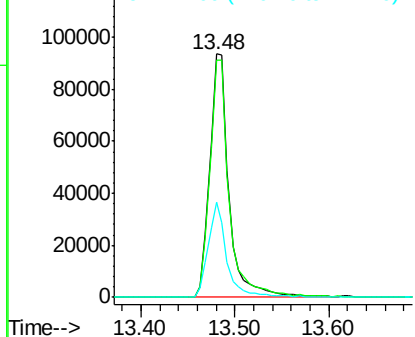
#41
 2,4,6-Tribromophenol
 Concen: 121.77 ng
 RT: 13.48 min Scan# 2022
 Delta R.T. -0.07 min
 Lab File: BF095939.D
 Acq: 15 Jun 2017 00:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 136610
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 115.0
 141 37.0 31.4 47.2

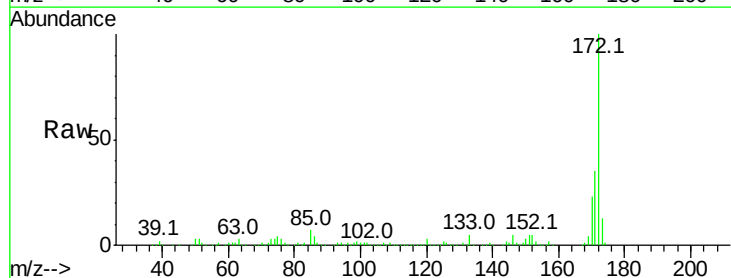


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

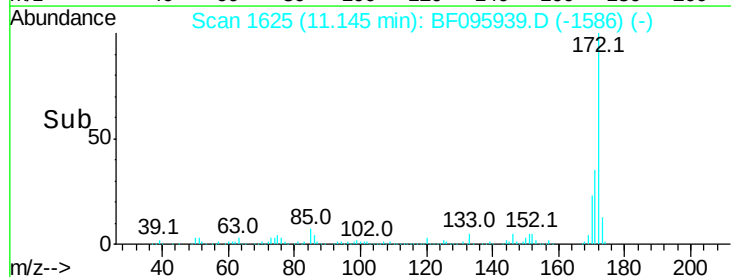
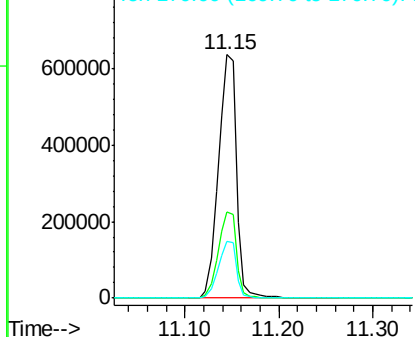


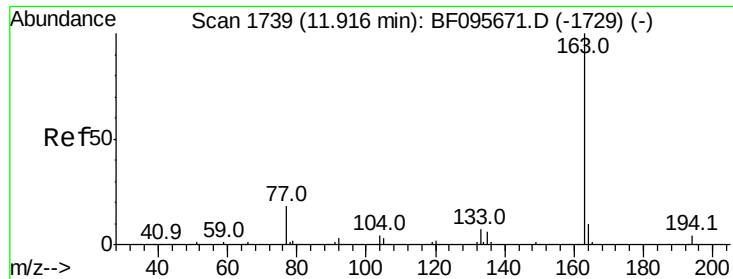
#44
 2-Fluorobiphenyl
 Concen: 94.09 ng
 RT: 11.15 min Scan# 1625
 Delta R.T. -0.07 min
 Lab File: BF095939.D
 Acq: 15 Jun 2017 00:05

Tgt Ion:172 Resp: 857359
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.4 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: 13.15 ng

RT: 11.84 min Scan# 1743

Delta R.T. -0.08 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

Instrument :

BNA_F

ClientSampleId :

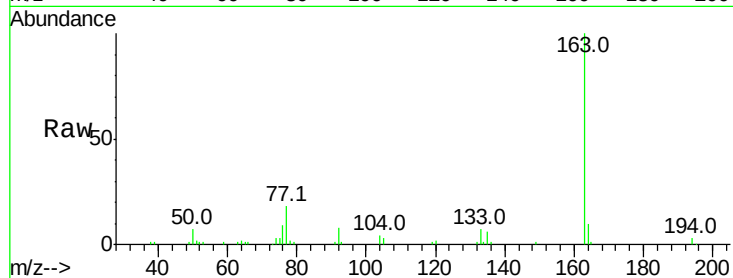
Tot Ion:163 Resp: 126637

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

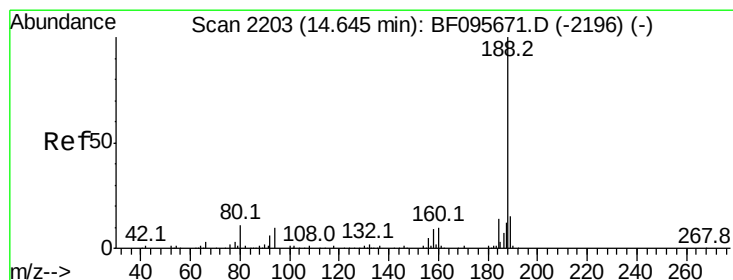
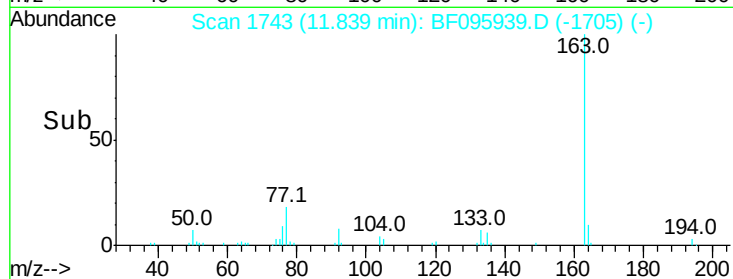
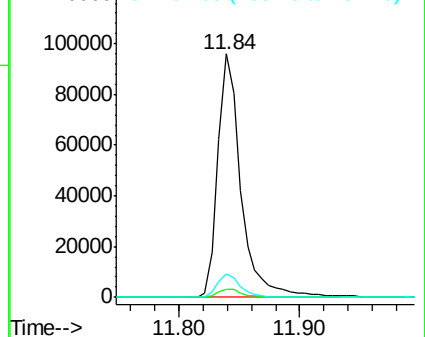
164 9.8 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.58 min Scan# 2209

Delta R.T. -0.06 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

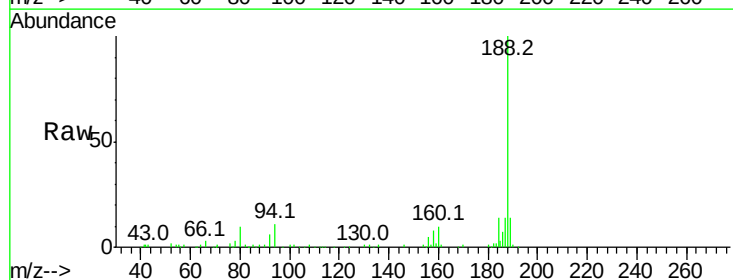
Tgt Ion:188 Resp: 198596

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

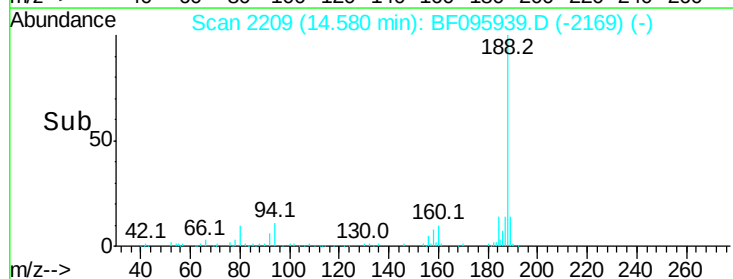
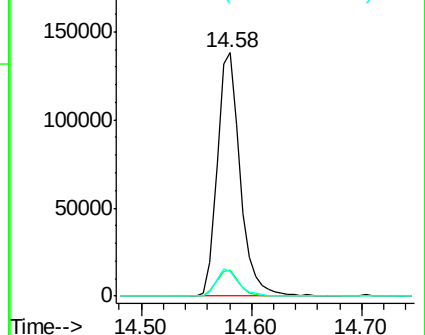
80 10.4 10.2 15.2

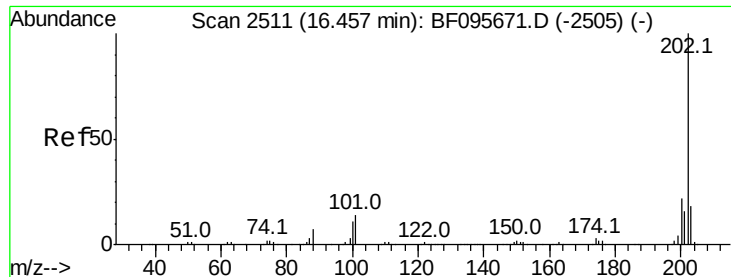


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

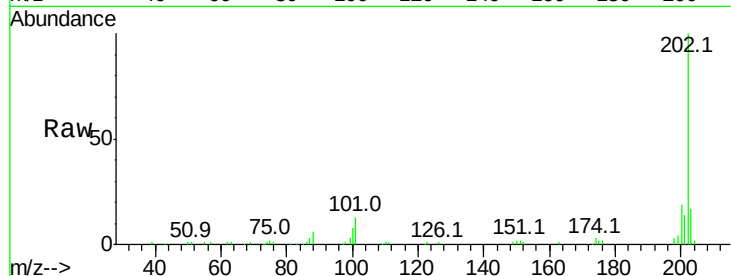




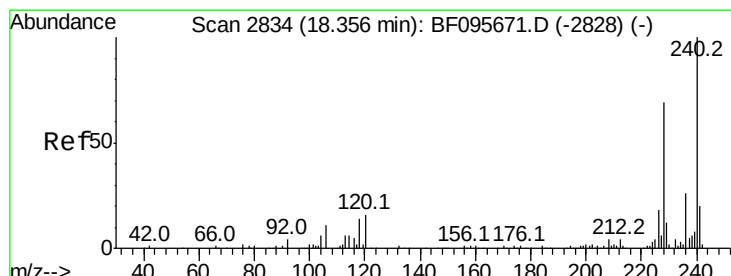
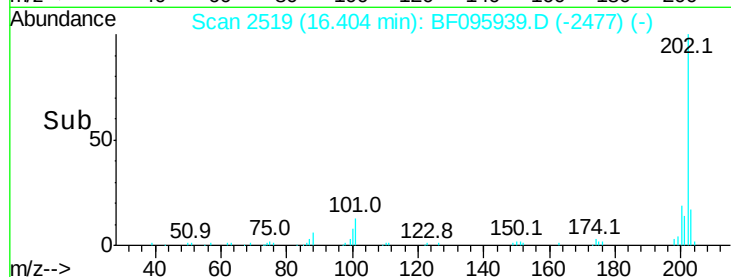
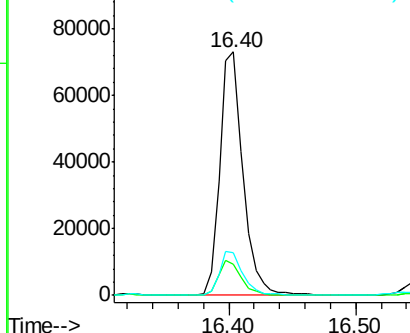
#74
 Fluoranthene
 Concen: 8.21 ng
 RT: 16.40 min Scan# 2519
 Delta R.T. -0.05 min
 Lab File: BF095939.D
 Acq: 15 Jun 2017 00:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.4	0.0	38.1

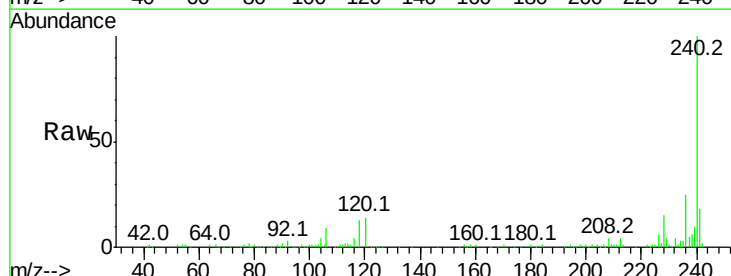


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

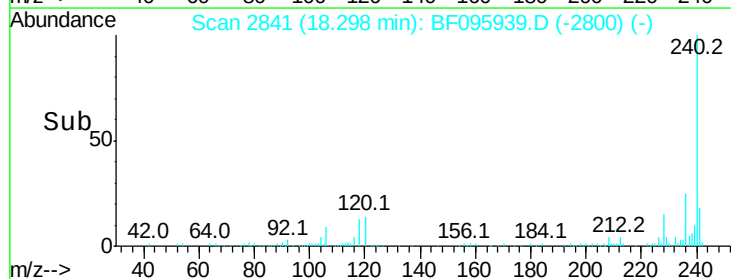
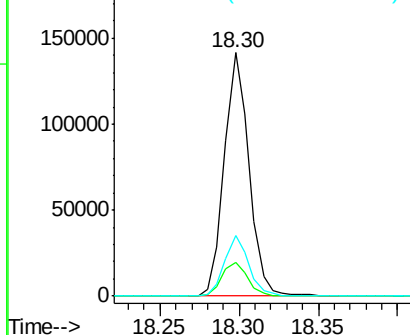


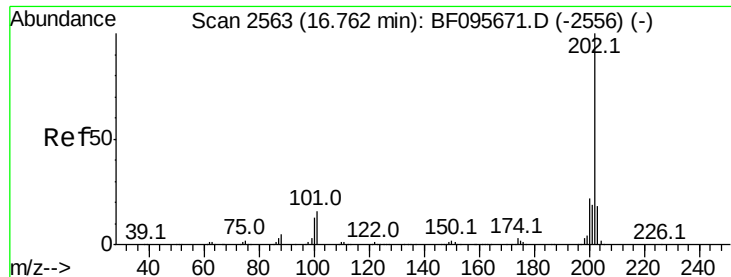
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.30 min Scan# 2841
 Delta R.T. -0.06 min
 Lab File: BF095939.D
 Acq: 15 Jun 2017 00:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	25.1	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





#77

Pvrene

Concen: 8.51 ng

RT: 16.70 min Scan# 2570

Delta R.T. -0.06 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

Instrument :

BNA_F

ClientSampled :

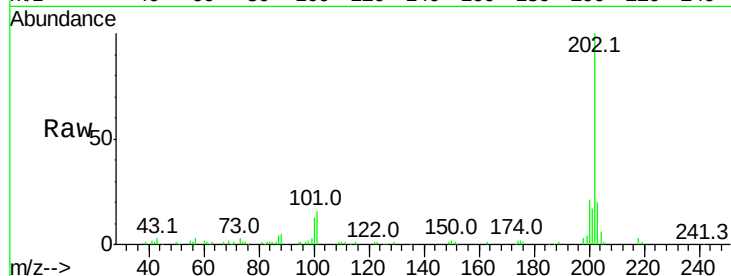
Tot Ion:202 Resp: 96794

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

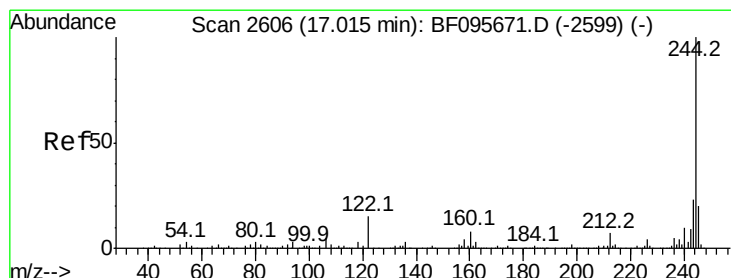
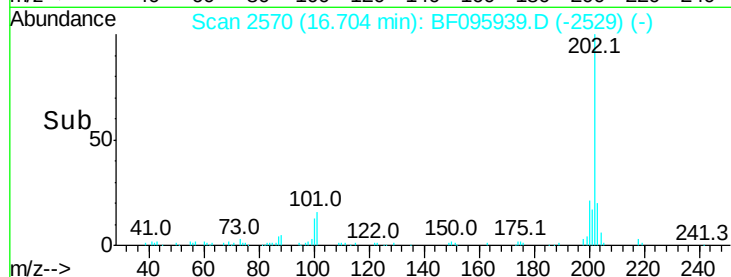
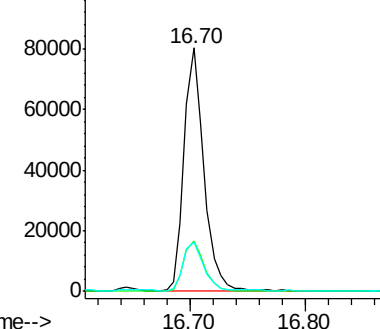
203 20.4 14.4 21.6



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: 90.91 ng

RT: 16.96 min Scan# 2613

Delta R.T. -0.06 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

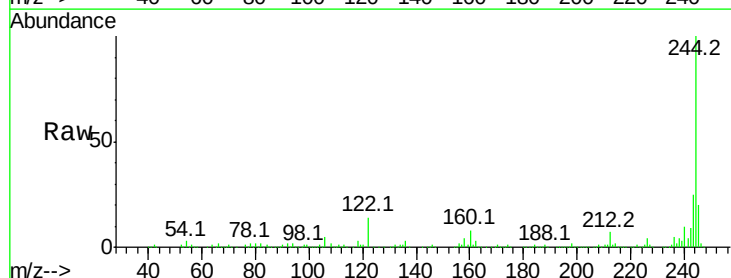
Tgt Ion:244 Resp: 558560

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

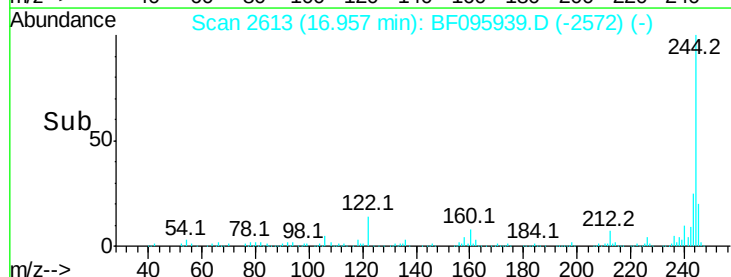
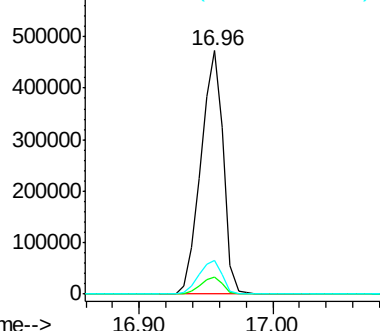
122 13.8 10.3 15.5

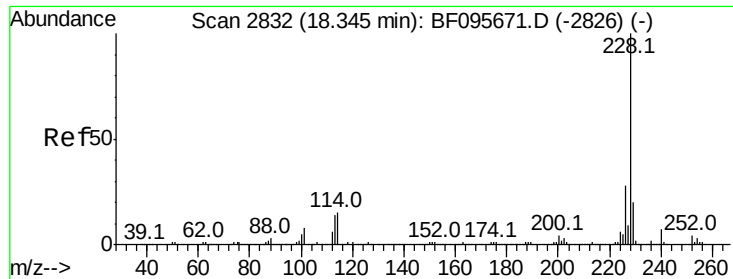


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.80 ng

RT: 18.29 min Scan# 2839

Delta R.T. -0.06 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

Instrument :

BNA_F

ClientSampleId :

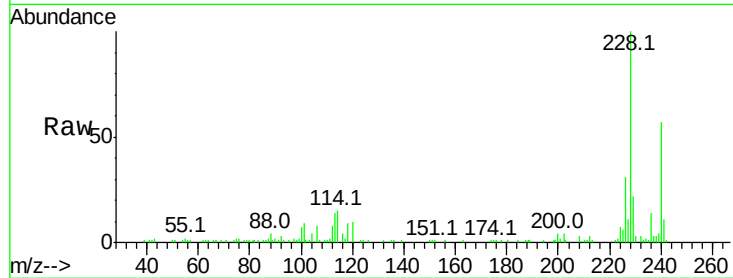
Tot Ion:228 Resp: 60274

Ion Ratio Lower Upper

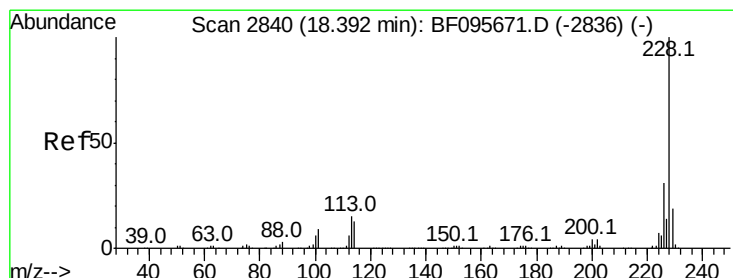
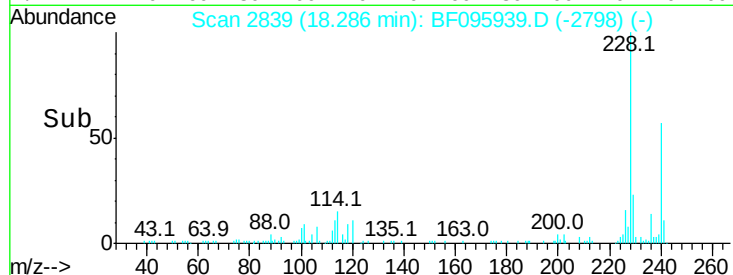
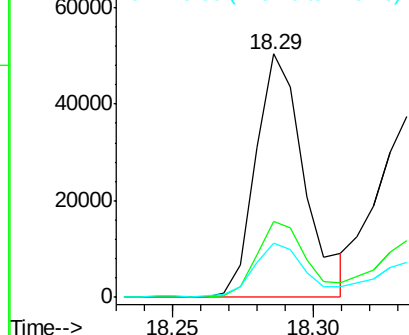
228 100

226 31.3 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: 6.61 ng

RT: 18.33 min Scan# 2847

Delta R.T. -0.06 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

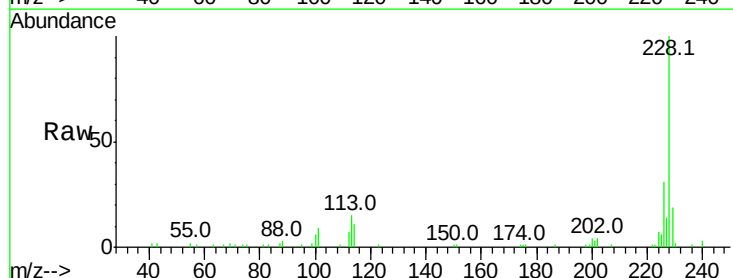
Tgt Ion:228 Resp: 58572

Ion Ratio Lower Upper

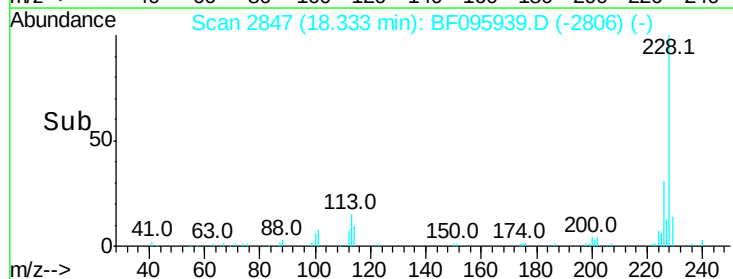
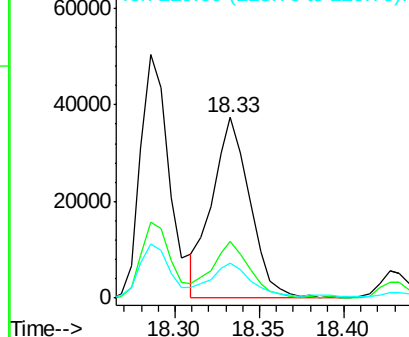
228 100

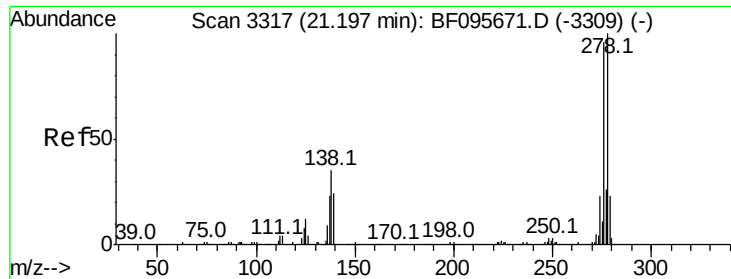
226 31.3 24.9 37.3

229 19.0 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

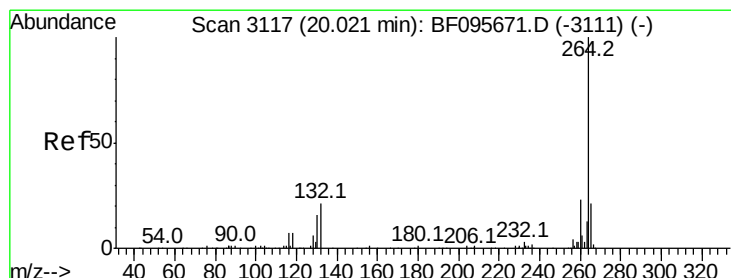
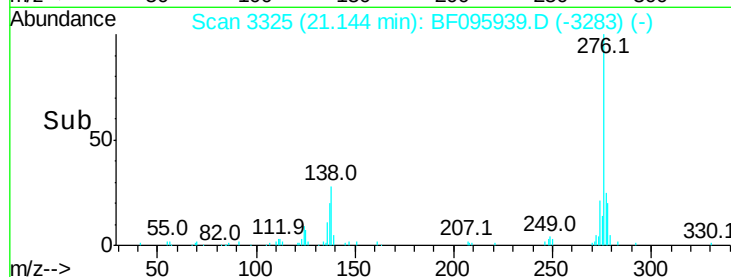
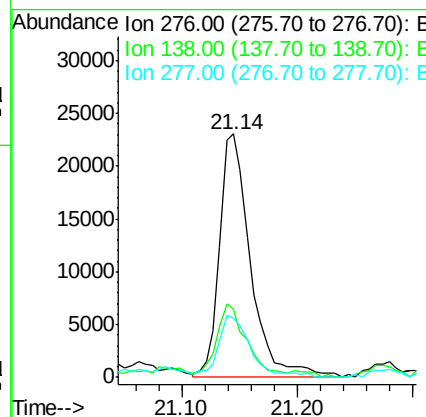
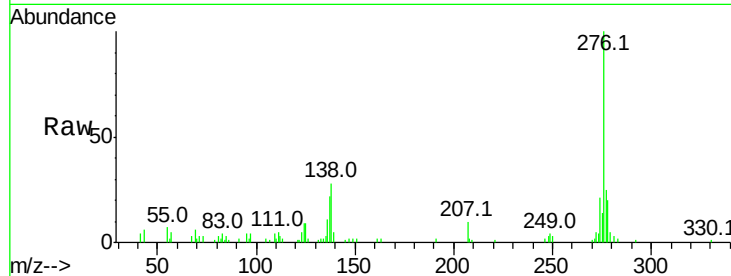




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.66 ng
 RT: 21.14 min Scan# 3325
 Delta R.T. -0.05 min
 Lab File: BF095939.D
 Acq: 15 Jun 2017 00:05

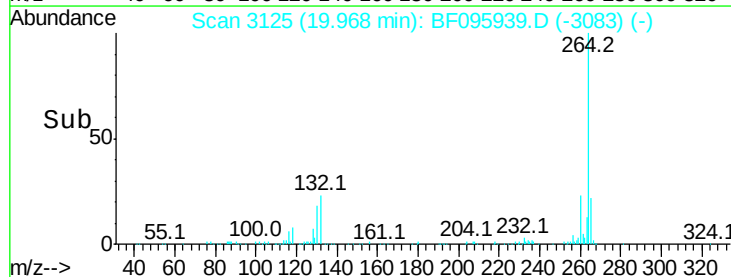
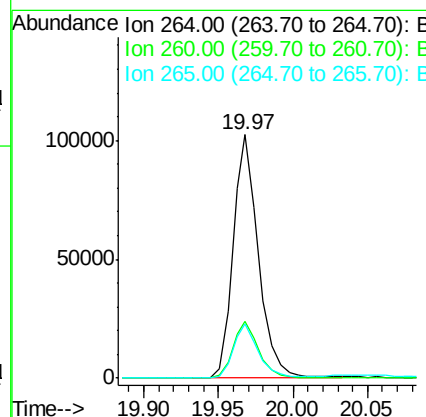
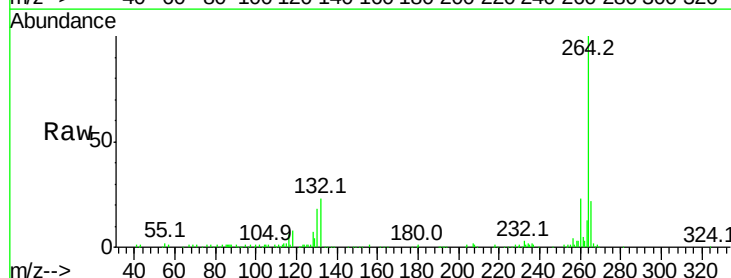
Instrument :
 BNA_F
 ClientSampleId :

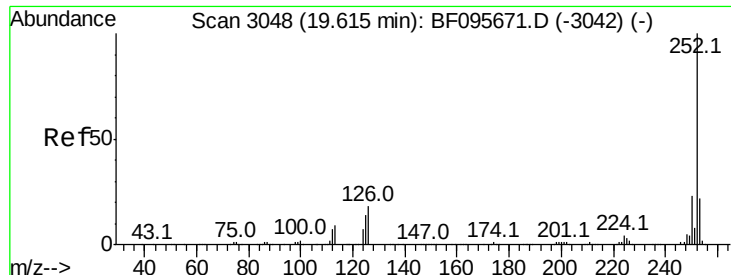
Tot Ion:276 Resp: 42887
 Ion Ratio Lower Upper
 276 100
 138 25.3 27.8 41.6#
 277 26.6 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.97 min Scan# 3125
 Delta R.T. -0.05 min
 Lab File: BF095939.D
 Acq: 15 Jun 2017 00:05

Tgt Ion:264 Resp: 121806
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 22.3 17.2 25.8

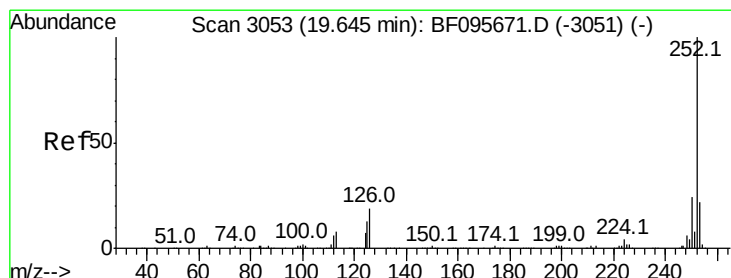
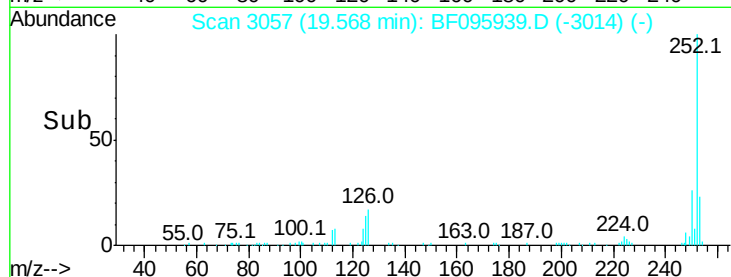
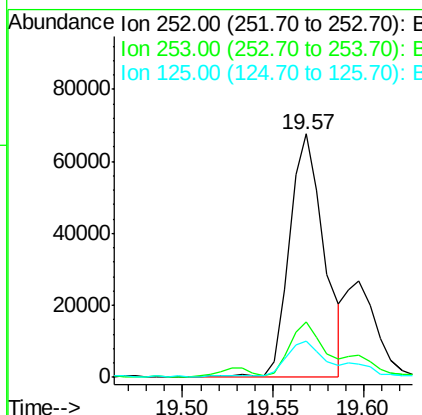
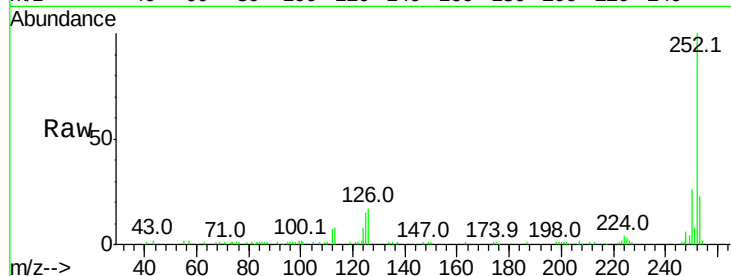




#87
Benzo(b)fluoranthene
Concen: 11.86 ng
RT: 19.57 min Scan# 3057
Delta R.T. -0.05 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

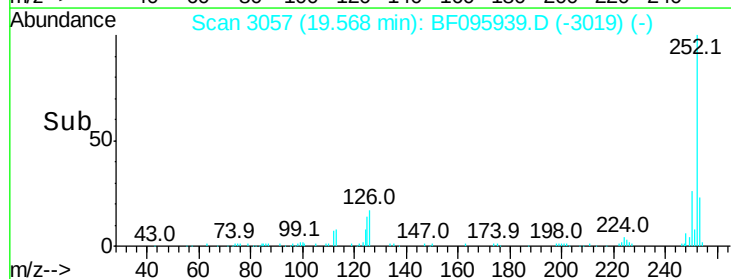
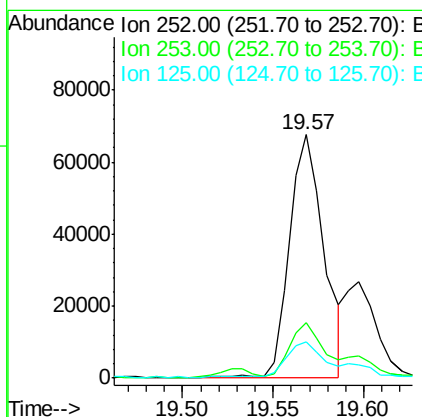
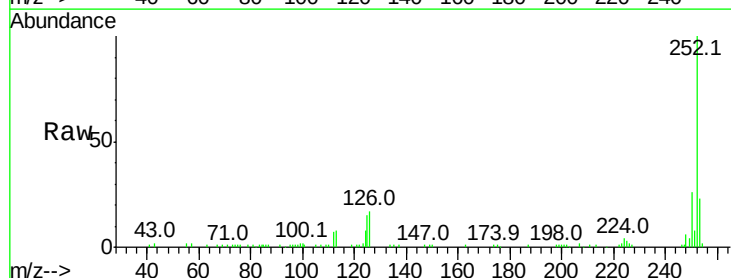
Instrument :
BNA_F
ClientSampleId :

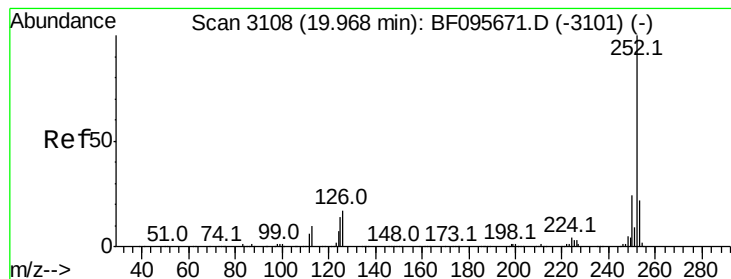
Tot Ion:252 Resp: 90445
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 14.7 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 12.41 ng
RT: 19.57 min Scan# 3057
Delta R.T. -0.08 min
Lab File: BF095939.D
Acq: 15 Jun 2017 00:05

Tgt Ion:252 Resp: 90445
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 14.7 13.1 19.7





#89

Benzo(a)pyrene

Concen: 8.98 ng

RT: 19.92 min Scan# 3116

Delta R.T. -0.05 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

Instrument :

BNA_F

ClientSampleId :

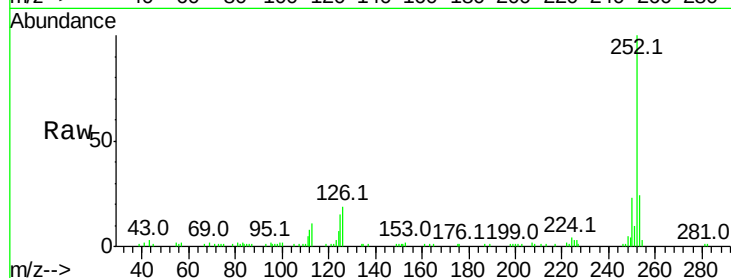
Tot Ion:252 Resp: 62985

Ion Ratio Lower Upper

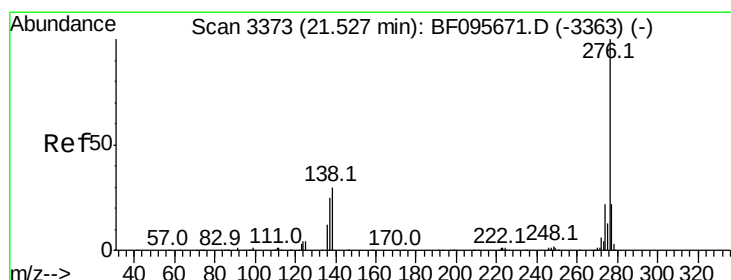
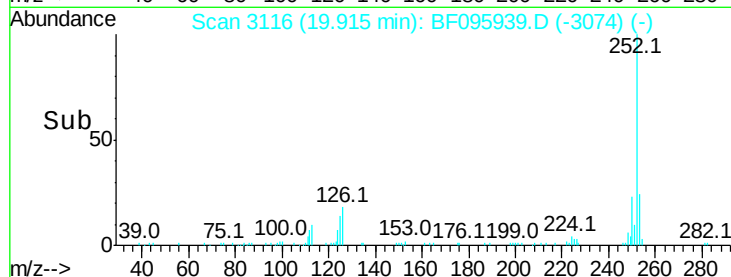
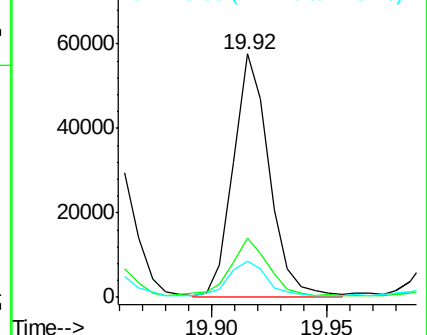
252 100

253 24.4 17.5 26.3

125 14.7 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: 7.05 ng

RT: 21.47 min Scan# 3381

Delta R.T. -0.05 min

Lab File: BF095939.D

Acq: 15 Jun 2017 00:05

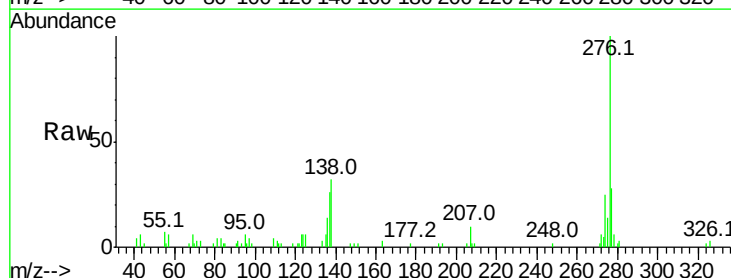
Tgt Ion:276 Resp: 42722

Ion Ratio Lower Upper

276 100

277 27.6 18.6 28.0

138 31.8 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

