

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
 Data File : BF095732.D
 Acq On : 7 Jun 2017 3:27
 Operator : SJ/MA
 Sample : I3478-09 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 07 04:34:43 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

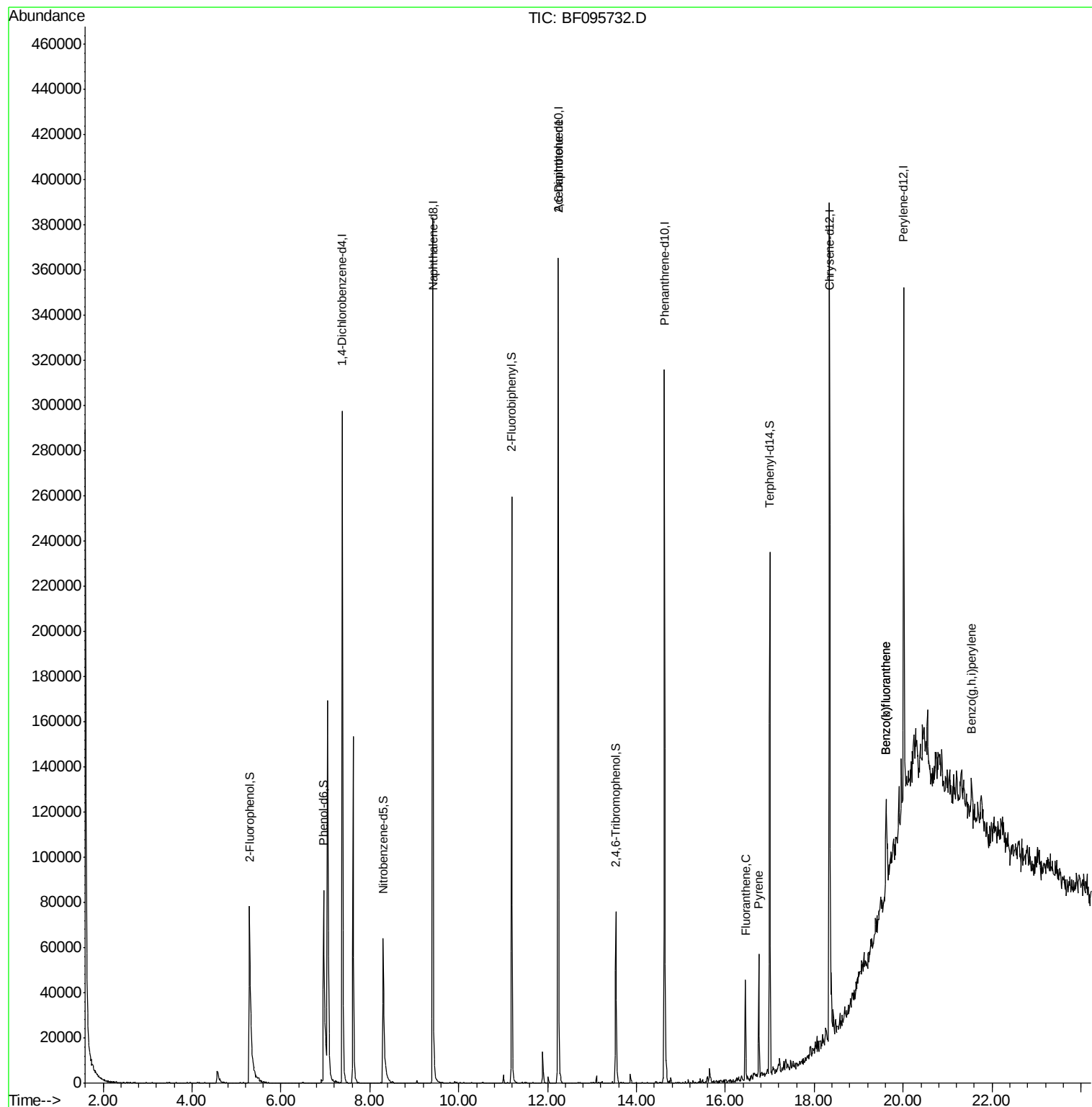
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	71415	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	267726	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	102476	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	164871	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	142877	20.00	ng	-0.01
86) Perylene-d12	20.01	264	100116	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	75647	16.88	ng	0.00
7) Phenol-d6	6.95	99	99078	18.47	ng	0.00
23) Nitrobenzene-d5	8.30	82	50110	11.62	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	14924	16.46	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	115333	15.66	ng	-0.02
78) Terphenyl-d14	17.00	244	79914	13.88	ng	-0.02
Target Compounds						
50) 2,6-Dinitrotoluene	12.24	165	12640	7.45	ng	# 31
74) Fluoranthene	16.45	202	24410	2.59	ng	98
77) Pyrene	16.75	202	23302	2.19	ng	97
87) Benzo(b)fluoranthene	19.61	252	23655	3.77	ng	# 84
88) Benzo(k)fluoranthene	19.61	252	23655	3.95	ng	# 88
91) Benzo(g,h,i)perylene	21.54	276	10139	2.03	ng	93

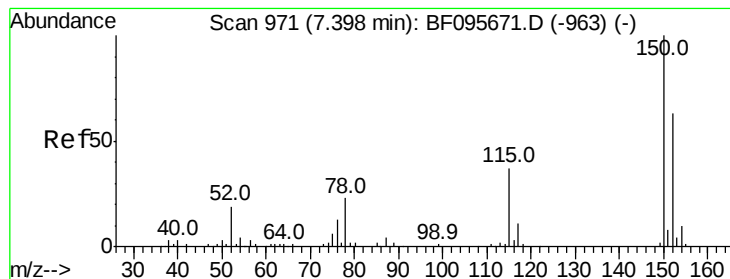
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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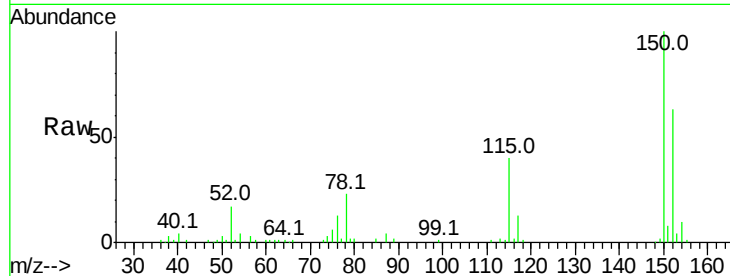


#1

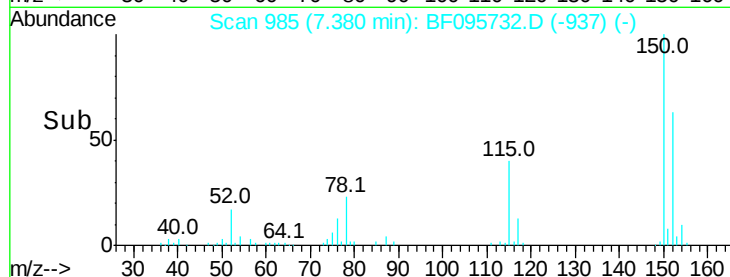
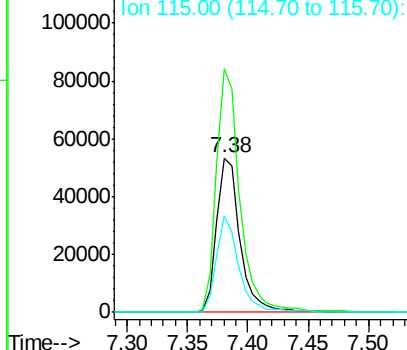
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 71415
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 62.3 52.2 78.2



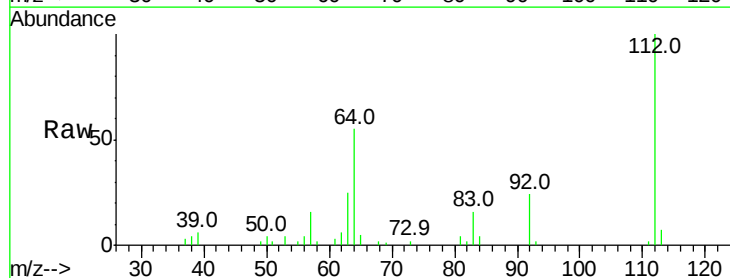
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



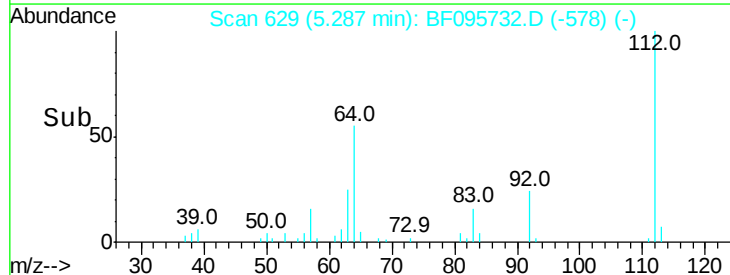
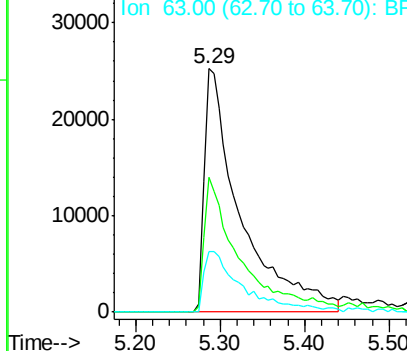
#5

2-Fluorophenol
Concen: 16.88 ng
RT: 5.29 min Scan# 629
Delta R.T. 0.00 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Tgt Ion:112 Resp: 75647
Ion Ratio Lower Upper
112 100
64 55.3 46.0 69.0
63 25.0 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: 18.47 ng

RT: 6.95 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095732.D

Acq: 7 Jun 2017 3:27

Instrument :

BNA_F

ClientSampleId :

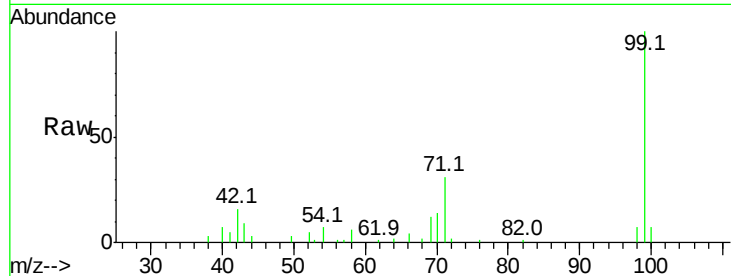
Tot Ion: 99 Resp: 99078

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

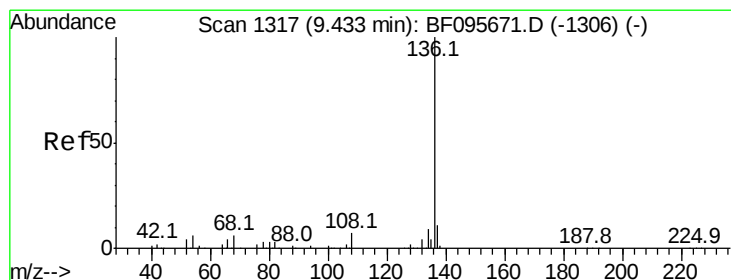
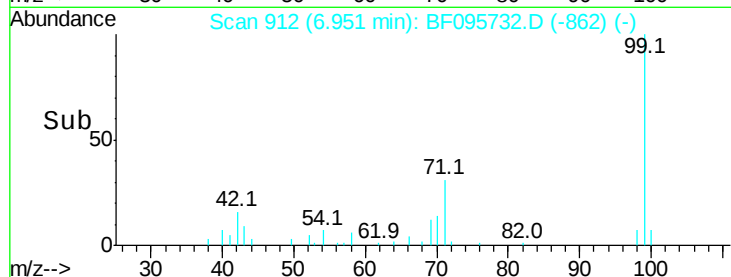
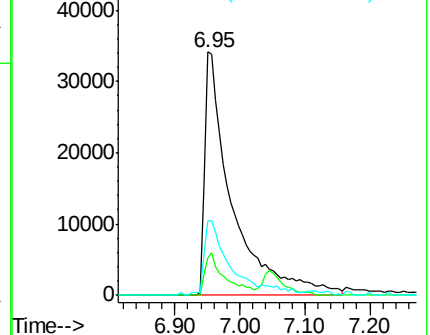
71 30.6 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.42 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095732.D

Acq: 7 Jun 2017 3:27

Tgt Ion: 136 Resp: 267726

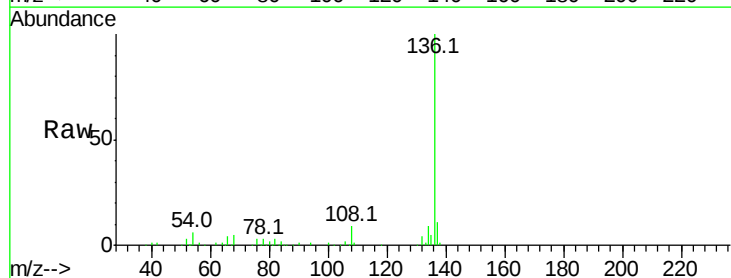
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.3 4.9 7.3

68 5.2 4.1 6.1

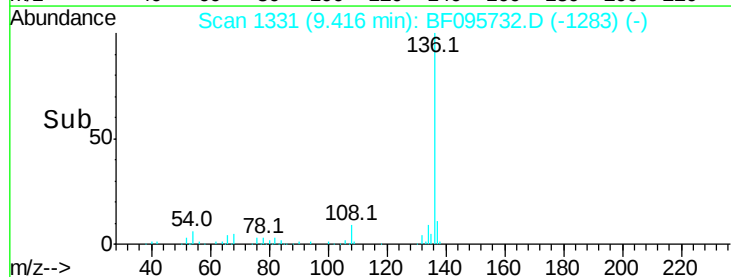
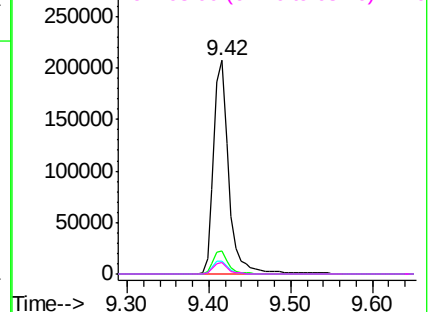


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

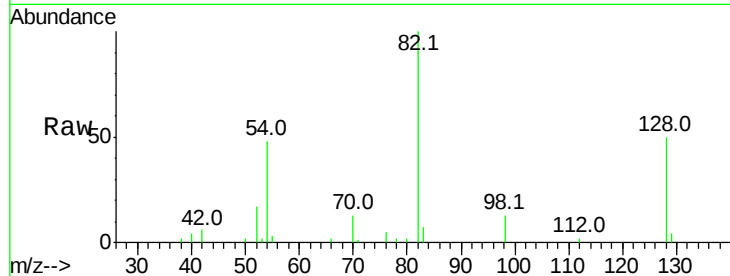




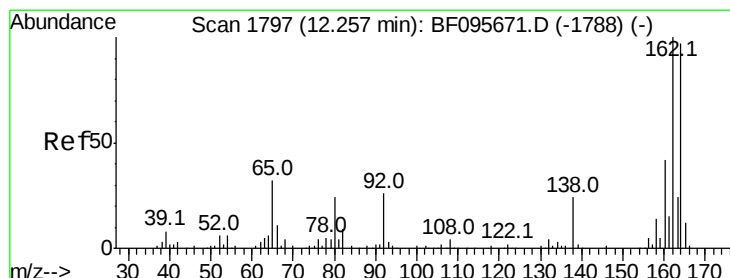
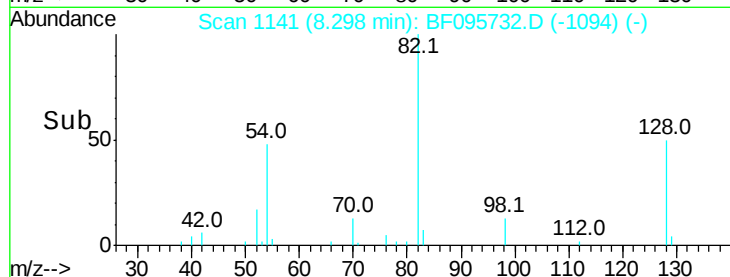
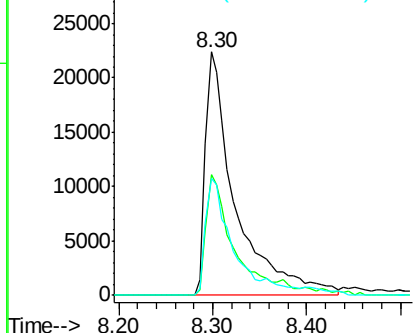
#23
Nitrobenzene-d5
Concen: 11.62 ng
RT: 8.30 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 50110
Ion Ratio Lower Upper
82 100
128 49.6 34.0 51.0
54 47.8 42.2 63.2

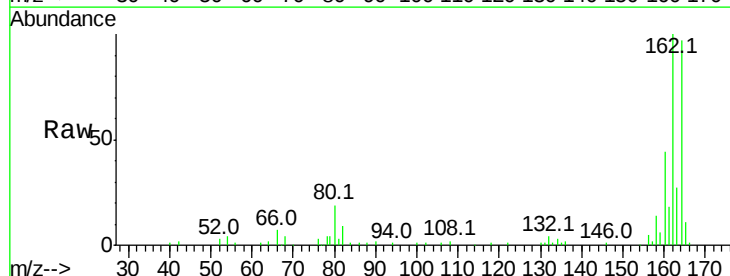


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

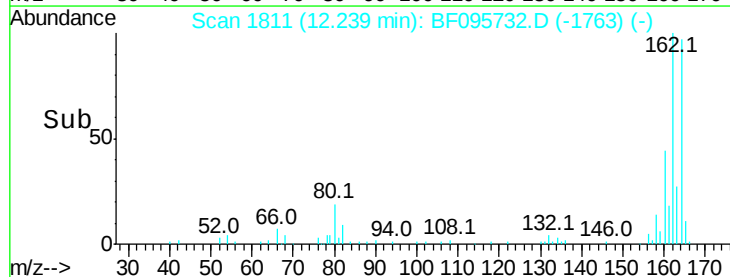
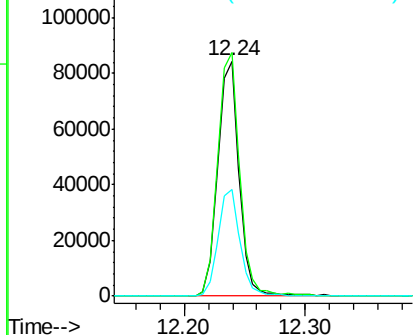


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 1811
Delta R.T. -0.02 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Tgt Ion:164 Resp: 102476
Ion Ratio Lower Upper
164 100
162 103.6 82.6 123.8
160 45.3 36.2 54.2



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

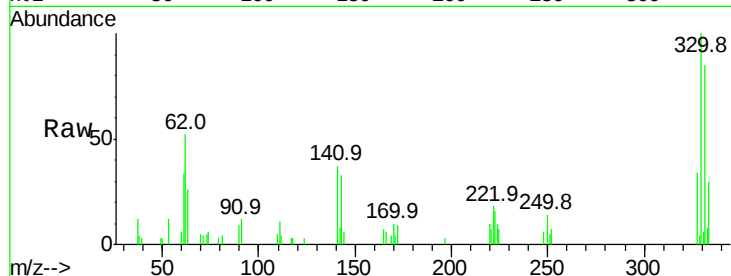




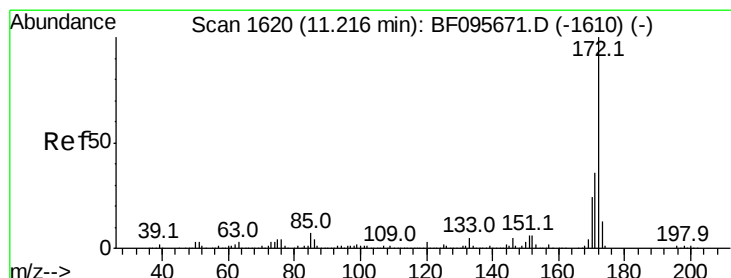
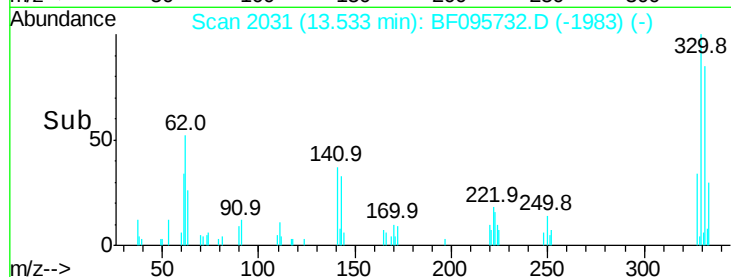
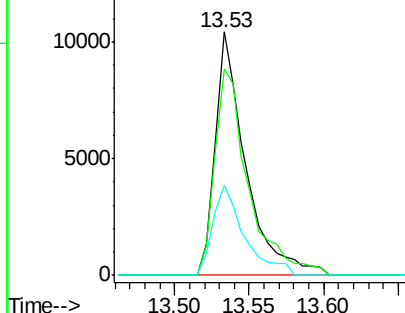
#41
 2,4,6-Tribromophenol
 Concen: 16.46 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095732.D
 Acq: 7 Jun 2017 3:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 14924
 Ion Ratio Lower Upper
 330 100
 332 93.5 76.6 115.0
 141 38.0 31.4 47.2

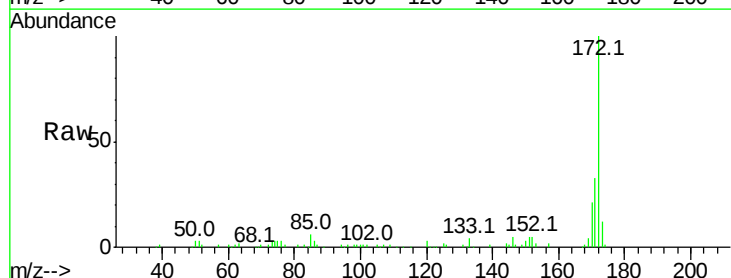


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

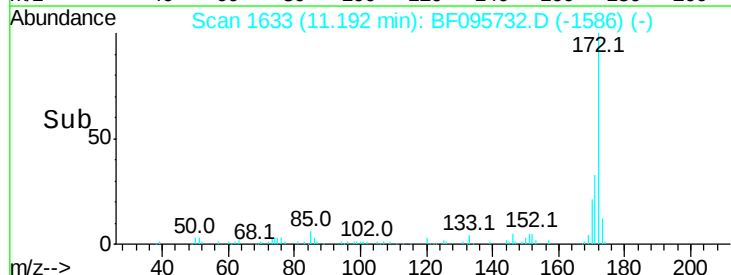
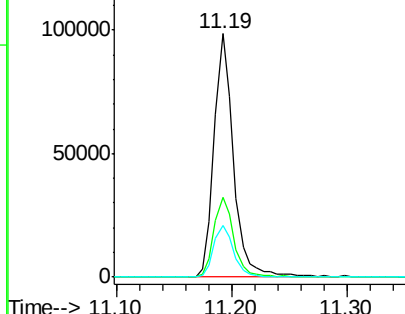


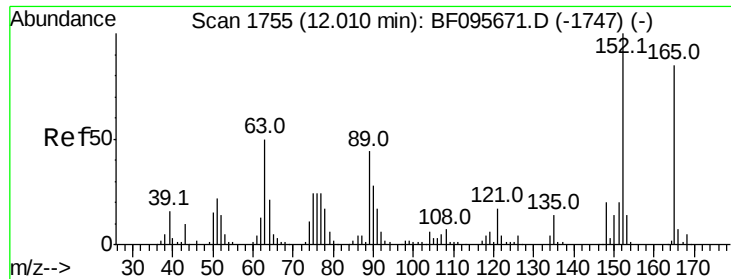
#44
 2-Fluorobiphenyl
 Concen: 15.66 ng
 RT: 11.19 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095732.D
 Acq: 7 Jun 2017 3:27

Tgt Ion:172 Resp: 115333
 Ion Ratio Lower Upper
 172 100
 171 32.9 29.6 44.4
 170 21.4 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

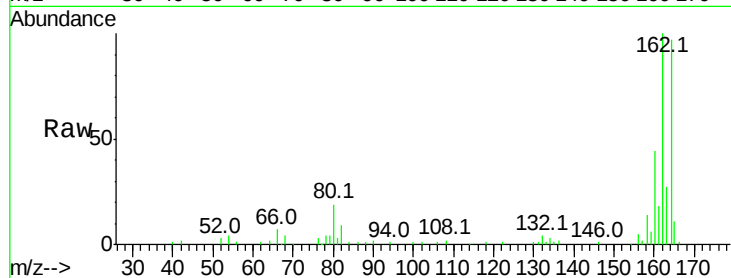




#50
 2,6-Dinitrotoluene
 Concen: 7.45 ng
 RT: 12.24 min Scan# 1811
 Delta R.T. 0.23 min
 Lab File: BF095732.D
 Acq: 7 Jun 2017 3:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#

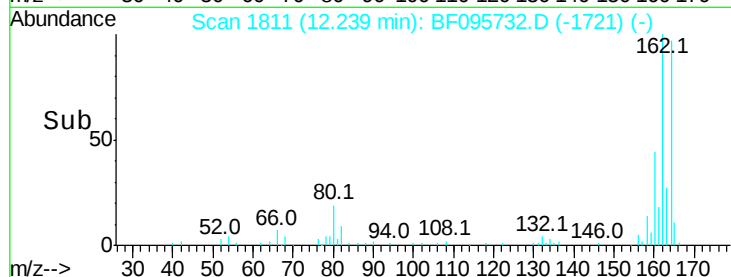


Abundance Ion 165.00 (164.70 to 165.70): E

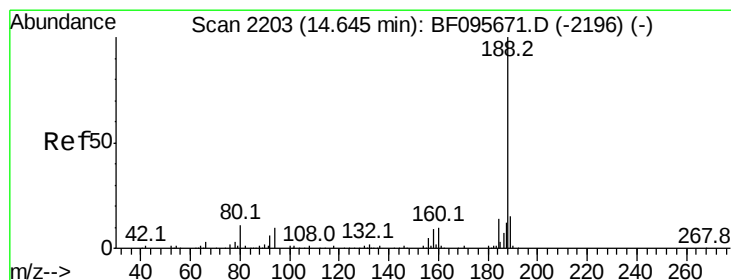
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

12.24

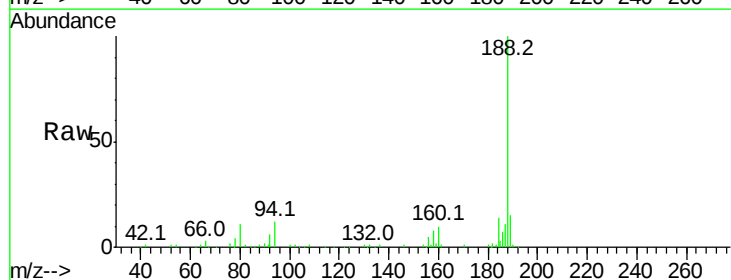


Time-->



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.63 min Scan# 2217
 Delta R.T. -0.02 min
 Lab File: BF095732.D
 Acq: 7 Jun 2017 3:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	9.4	14.2
80	11.2	10.2	15.2

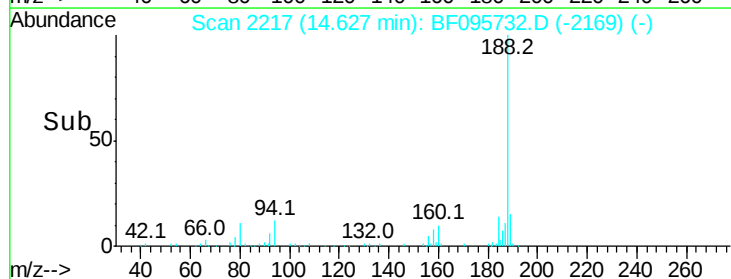


Abundance Ion 188.00 (187.70 to 188.70): E

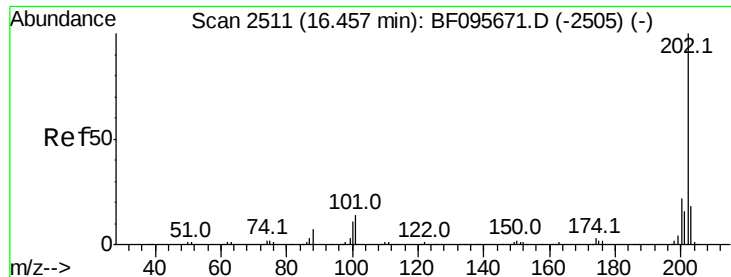
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

14.63



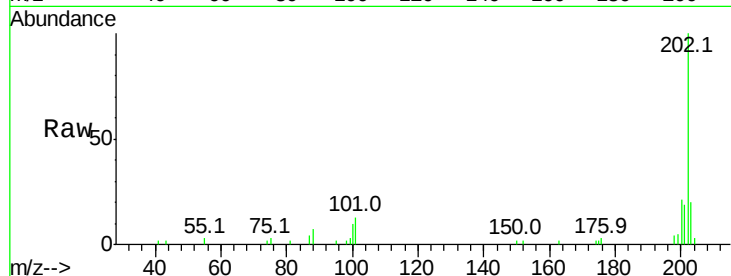
Time-->



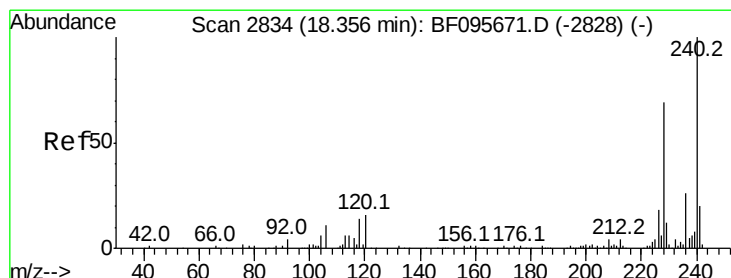
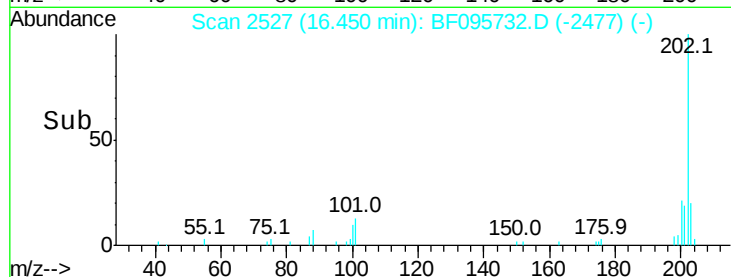
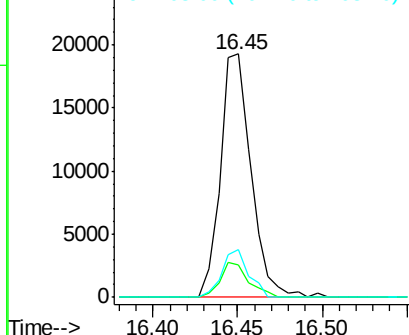
#74
Fluoranthene
 Concen: 2.59 ng
 RT: 16.45 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BF095732.D
 Acq: 7 Jun 2017 3:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 24410
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 33.2
 203 19.6 0.0 38.1

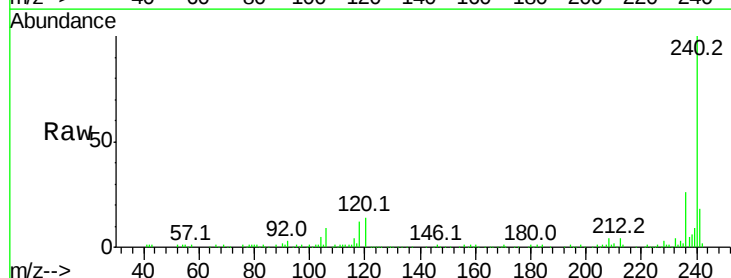


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

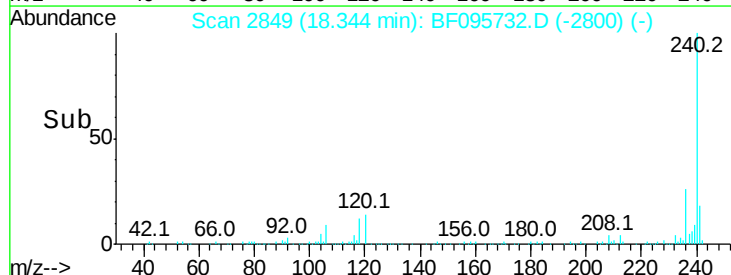
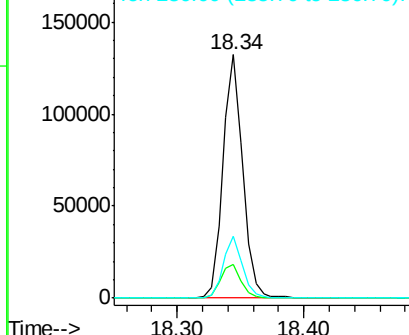


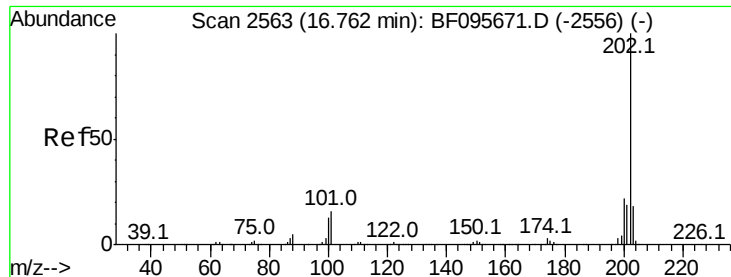
#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.34 min Scan# 2849
 Delta R.T. -0.01 min
 Lab File: BF095732.D
 Acq: 7 Jun 2017 3:27

Tgt Ion:240 Resp: 142877
 Ion Ratio Lower Upper
 240 100
 120 13.8 5.8 8.8#
 236 25.6 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: 2.19 ng

RT: 16.75 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095732.D

Acq: 7 Jun 2017 3:27

Instrument :

BNA_F

ClientSampled :

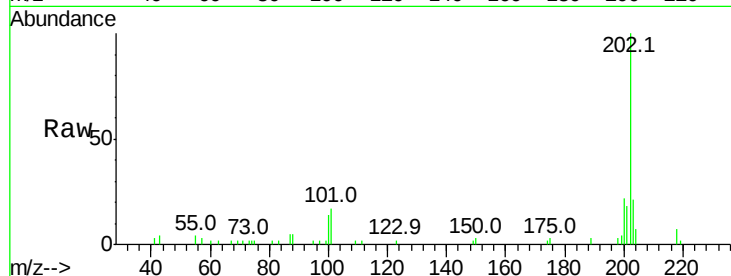
Tot Ion:202 Resp: 23302

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

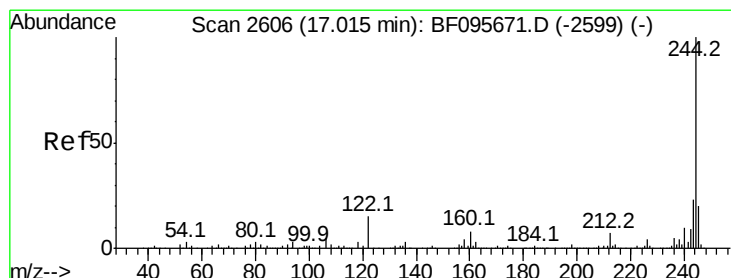
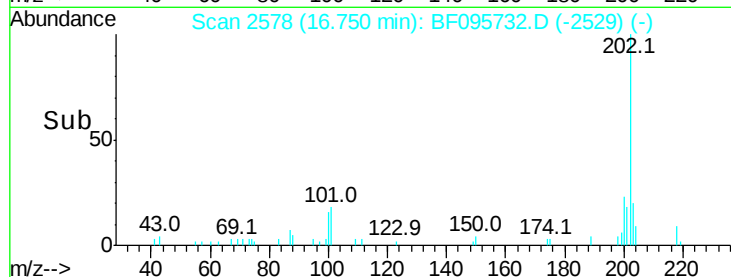
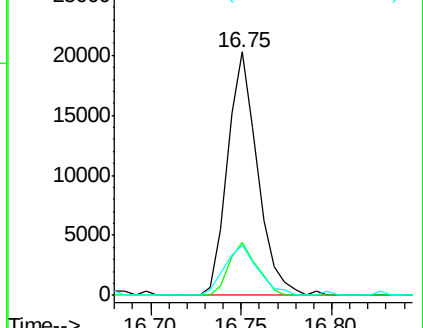
203 20.6 14.4 21.6



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: 13.88 ng

RT: 17.00 min Scan# 2620

Delta R.T. -0.02 min

Lab File: BF095732.D

Acq: 7 Jun 2017 3:27

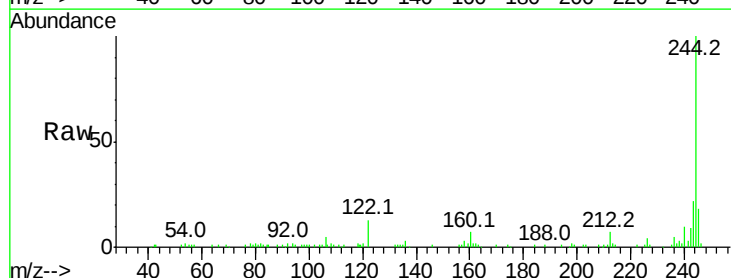
Tgt Ion:244 Resp: 79914

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

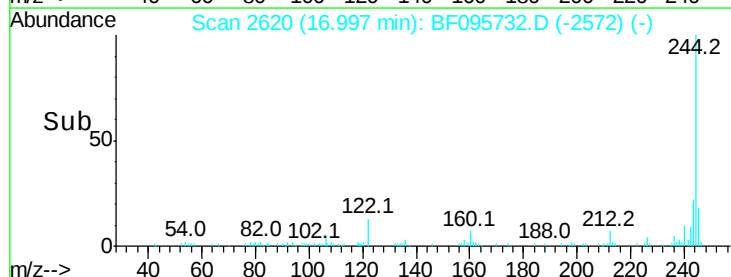
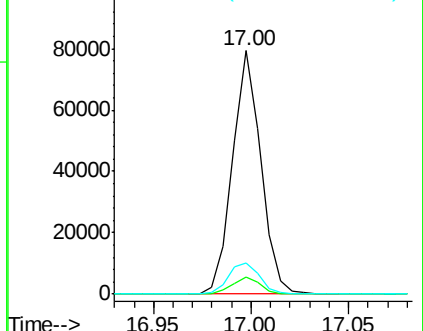
122 13.0 10.3 15.5

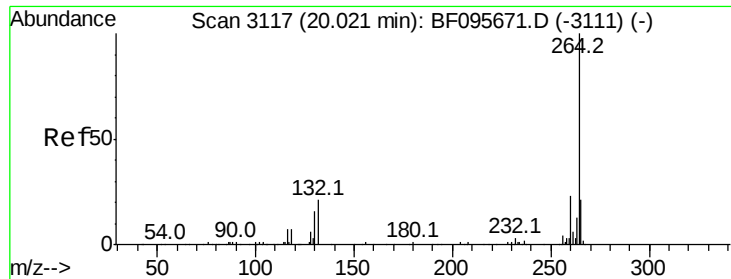


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



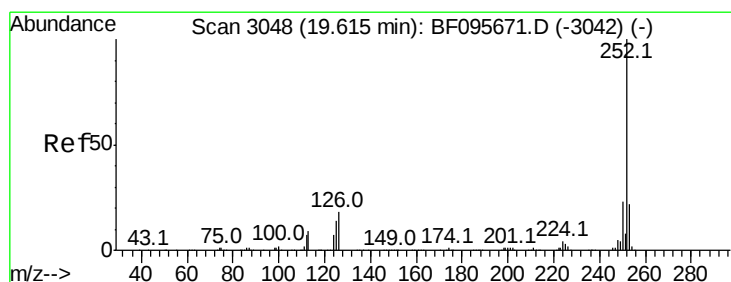
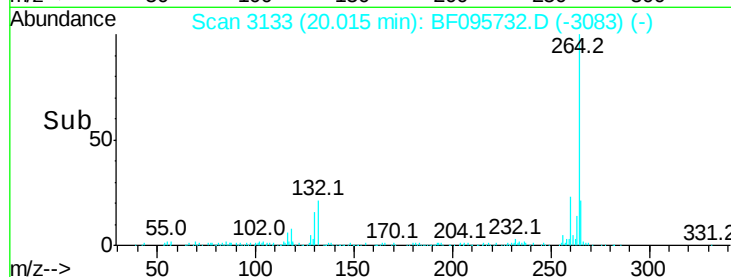
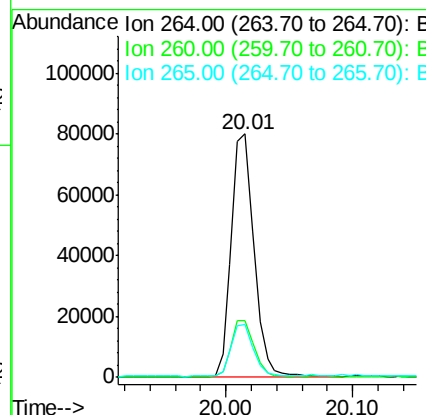
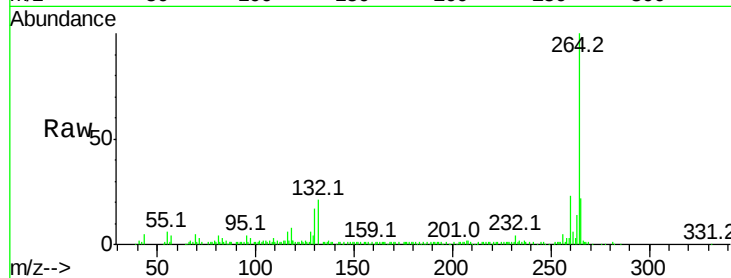


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 100116

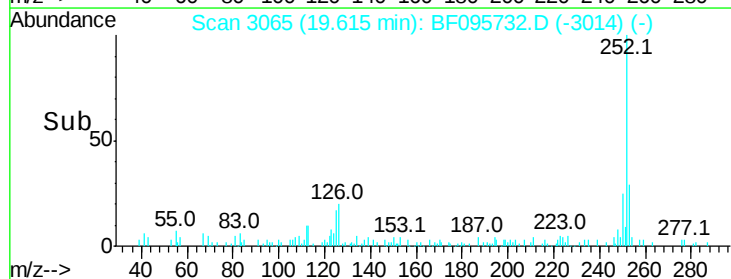
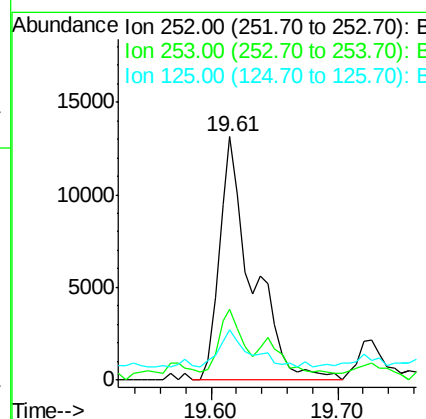
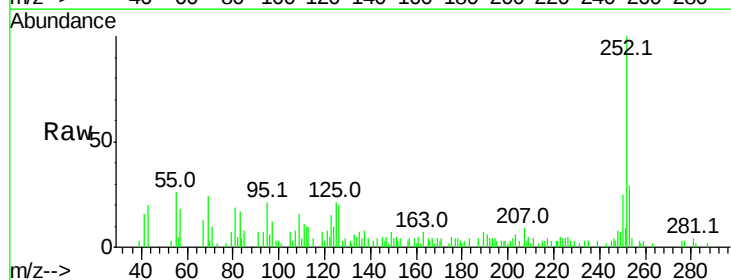
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	21.8	17.2	25.8

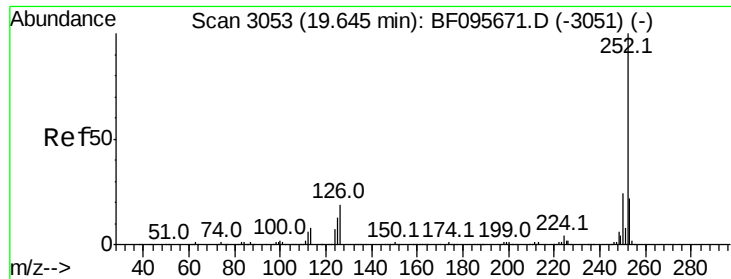


#87
Benzo(b)fluoranthene
Concen: 3.77 ng
RT: 19.61 min Scan# 3065
Delta R.T. -0.00 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Tgt Ion:252 Resp: 23655

Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.1	27.1#
125	20.6	9.8	14.8#

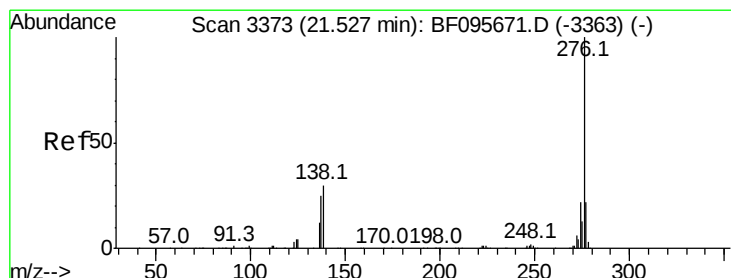
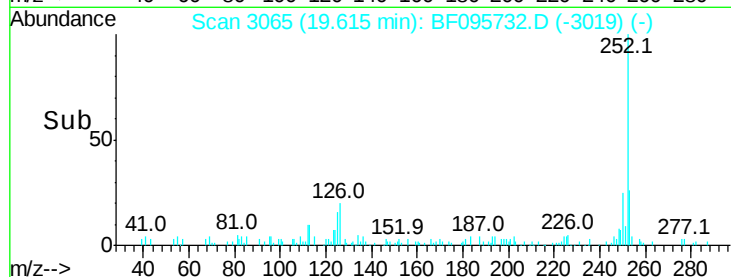
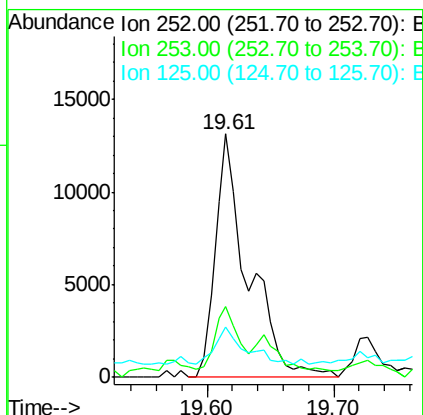
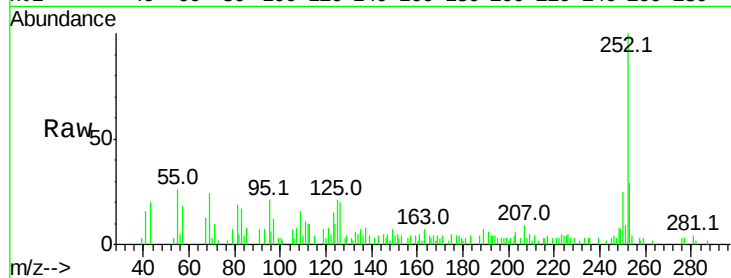




#88
Benzo(k)fluoranthene
Concen: 3.95 ng
RT: 19.61 min Scan# 3065
Delta R.T. -0.03 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.4	27.6#
125	20.6	13.1	19.7#



#91
Benzo(g,h,i)perylene
Concen: 2.03 ng
RT: 21.54 min Scan# 3392
Delta R.T. 0.01 min
Lab File: BF095732.D
Acq: 7 Jun 2017 3:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.0	18.6	28.0
138	29.2	25.4	38.0

