

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060517\
 Data File : BF095698.D
 Acq On : 6 Jun 2017 4:34
 Operator : SJ/MA
 Sample : I3444-01 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 06:44:26 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

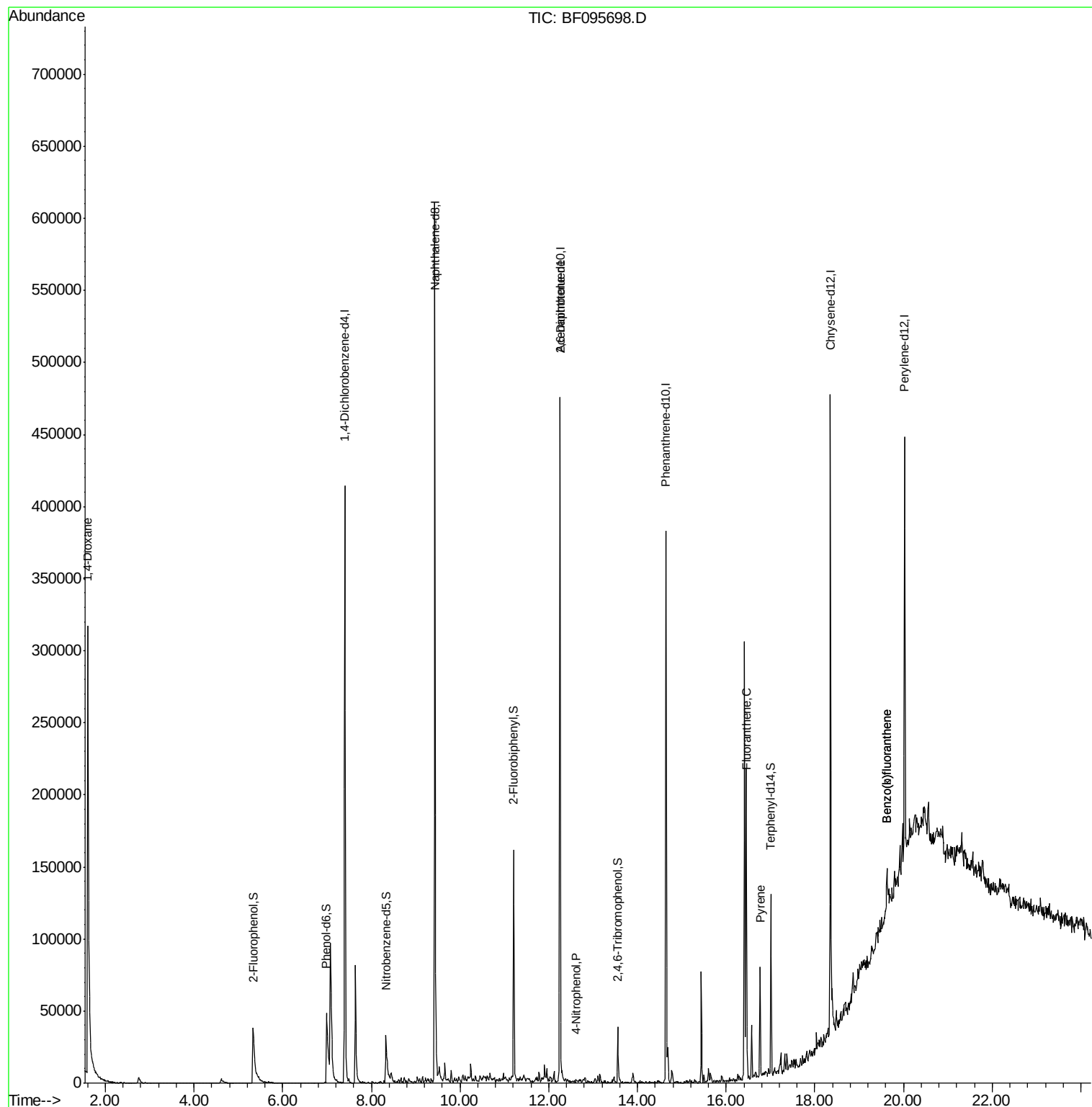
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	103153	20.00	ng	0.00
21) Naphthalene-d8	9.43	136	390562	20.00	ng	0.00
38) Acenaphthene-d10	12.25	164	131577	20.00	ng	0.00
63) Phenanthrene-d10	14.64	188	202742	20.00	ng	0.00
75) Chrysene-d12	18.35	240	173078	20.00	ng	0.00
86) Perylene-d12	20.02	264	115743	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	45193	6.98	ng	0.04
7) Phenol-d6	6.99	99	66850	8.63	ng	0.03
23) Nitrobenzene-d5	8.32	82	32763	5.21	ng	0.00
41) 2,4,6-Tribromophenol	13.55	330	7960	6.84	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	67462	7.13	ng	0.00
78) Terphenyl-d14	17.01	244	44284	6.35	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.60	88	15988	5.19	ng	# 21
50) 2,6-Dinitrotoluene	12.25	165	16960	7.78	ng	# 31
55) 4-Nitrophenol	12.61	139	376	4.87	ng	# 25
74) Fluoranthene	16.46	202	31493	2.72	ng	97
77) Pyrene	16.77	202	34468	2.67	ng	97
87) Benzo(b)fluoranthene	19.63	252	19499	2.69	ng	# 78
88) Benzo(k)fluoranthene	19.63	252	19499	2.81	ng	# 83

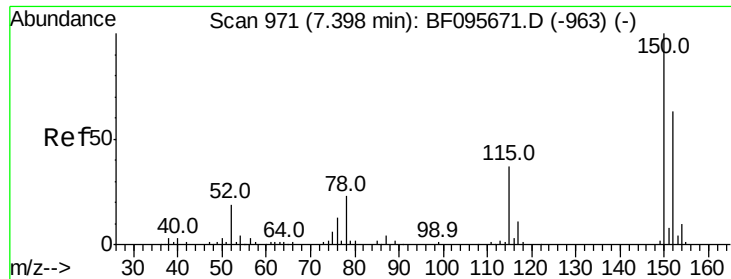
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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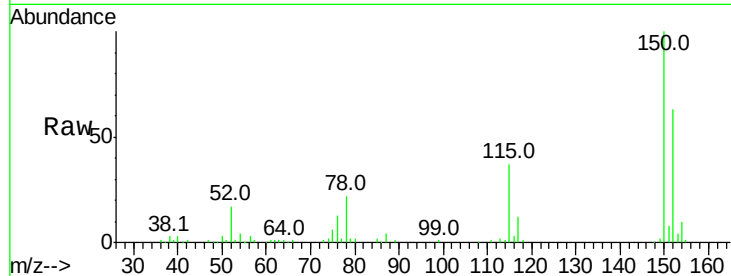


#1

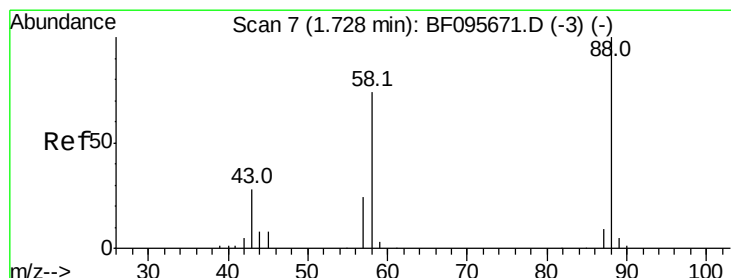
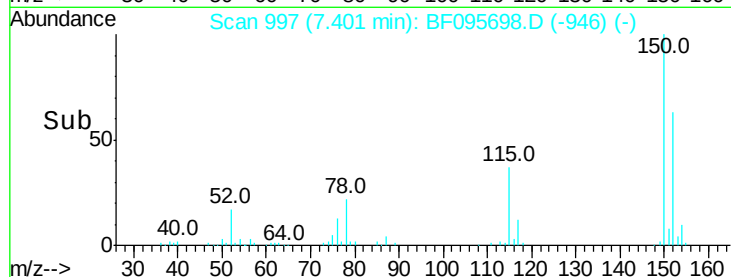
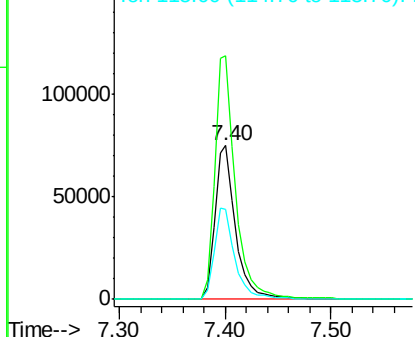
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.40 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF095698.D
Acq: 6 Jun 2017 4:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103153
Ion Ratio Lower Upper
152 100
150 158.5 126.2 189.2
115 58.4 52.2 78.2



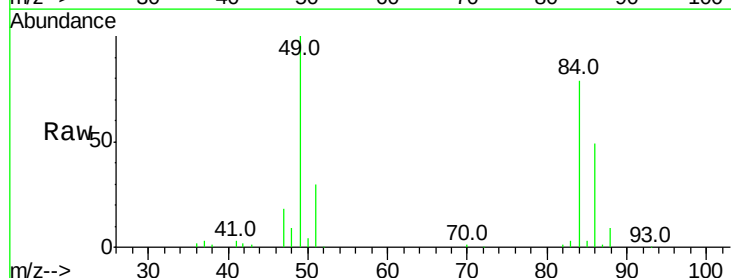
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



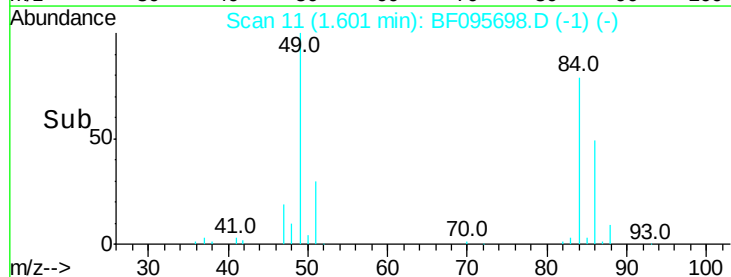
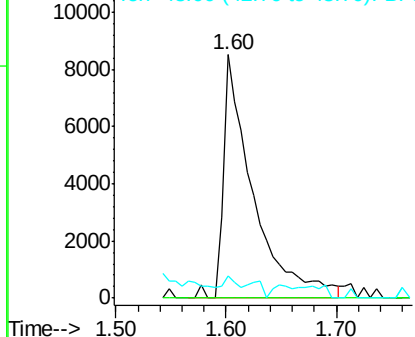
#2

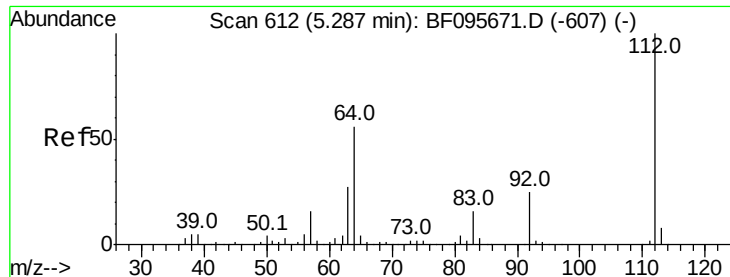
1,4-Dioxane
Concen: 5.19 ng
RT: 1.60 min Scan# 11
Delta R.T. -0.13 min
Lab File: BF095698.D
Acq: 6 Jun 2017 4:34

Tgt Ion: 88 Resp: 15988
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 1.5 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 6.98 ng

RT: 5.32 min Scan# 644

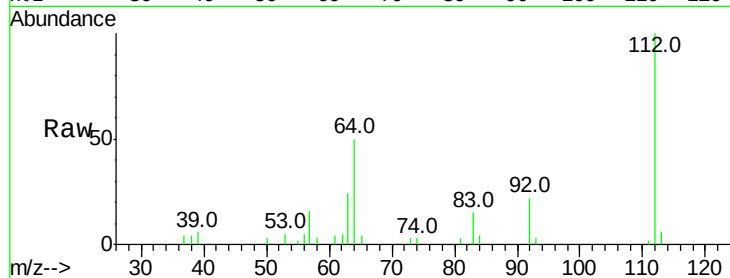
Delta R.T. 0.04 min

Lab File: BF095698.D

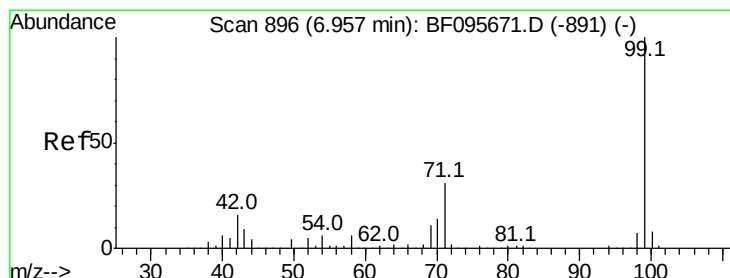
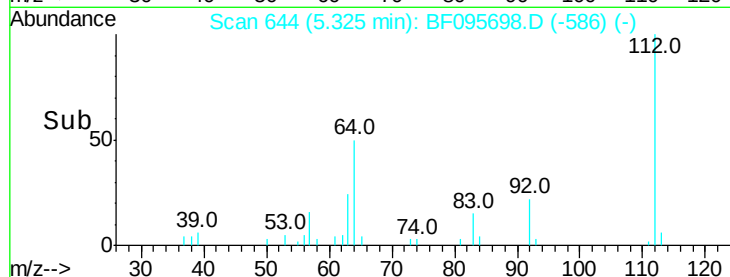
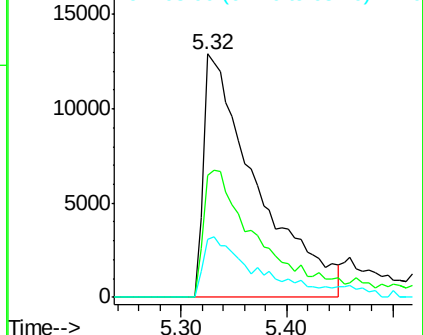
Acq: 6 Jun 2017 4:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	112	Resp:	45193
Ion	Ratio	Lower	Upper
112	100		
64	50.3	46.0	69.0
63	23.7	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E



#7

Phenol-d6

Concen: 8.63 ng

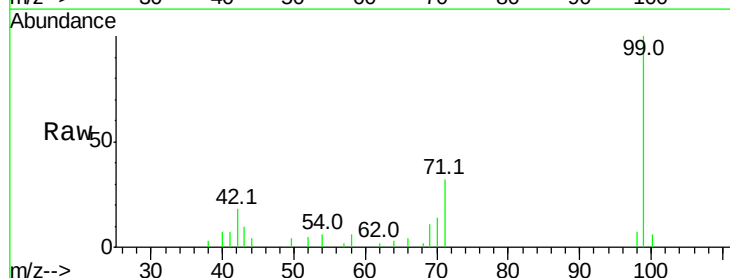
RT: 6.99 min Scan# 927

Delta R.T. 0.03 min

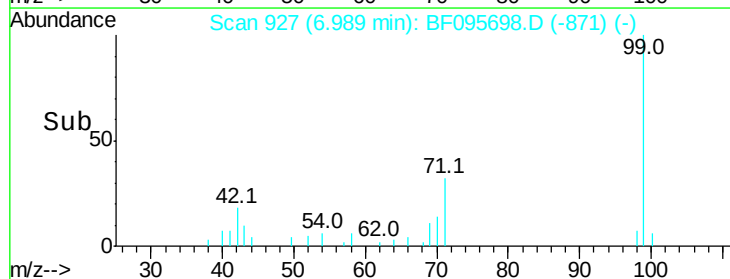
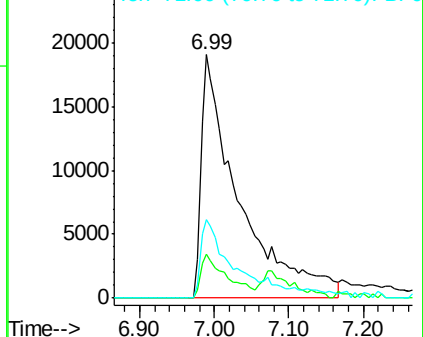
Lab File: BF095698.D

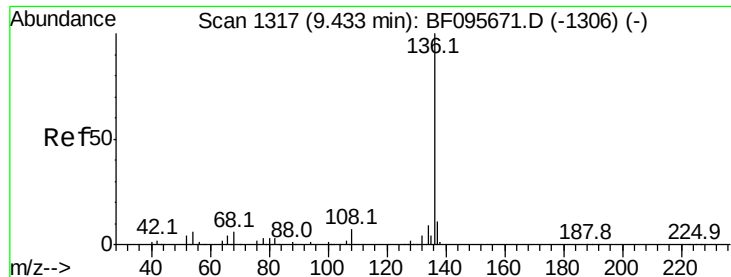
Acq: 6 Jun 2017 4:34

Tgt Ion:	99	Resp:	66850
Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.5	20.3
71	32.2	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

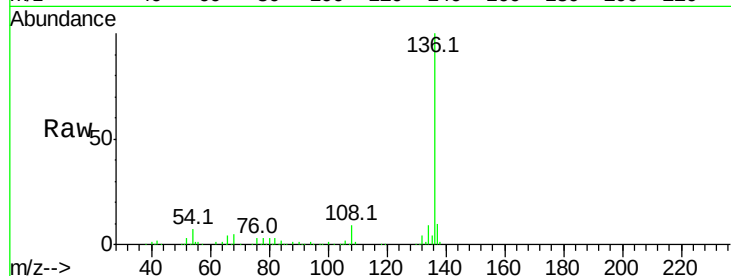




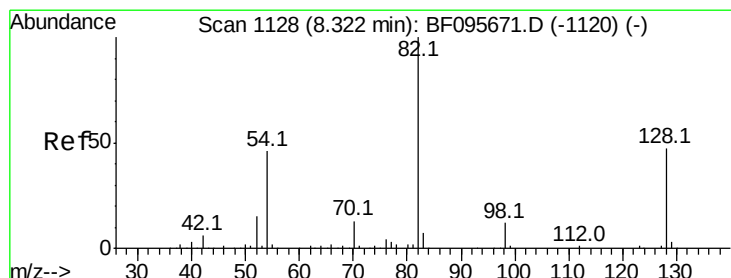
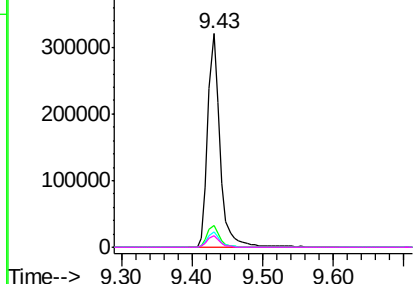
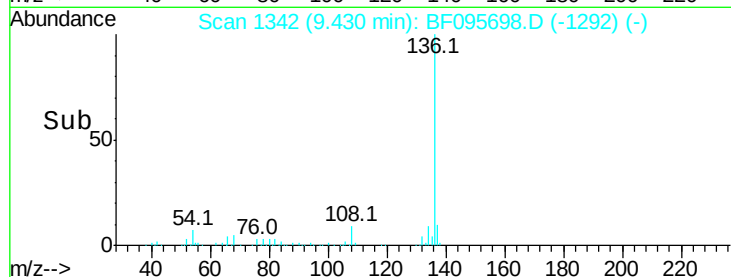
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.43 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF095698.D
Acq: 6 Jun 2017 4:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	390562
Ion Ratio	Lower	Upper
136	100	
137	10.3	8.5 12.7
54	7.1	4.9 7.3
68	5.4	4.1 6.1

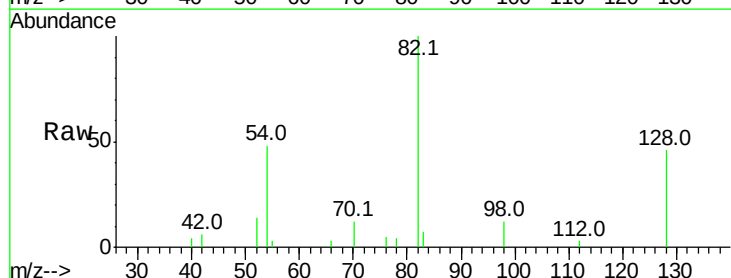


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

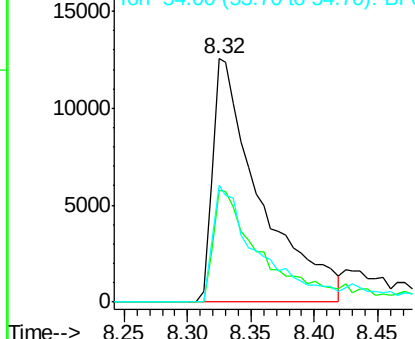
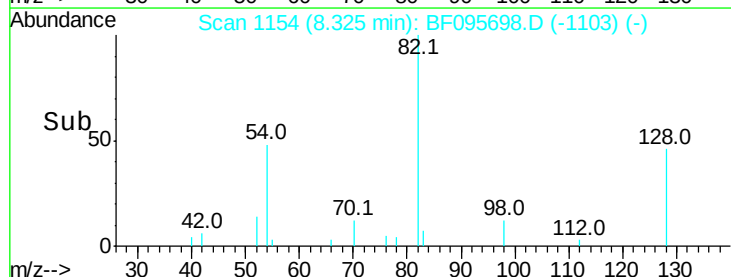


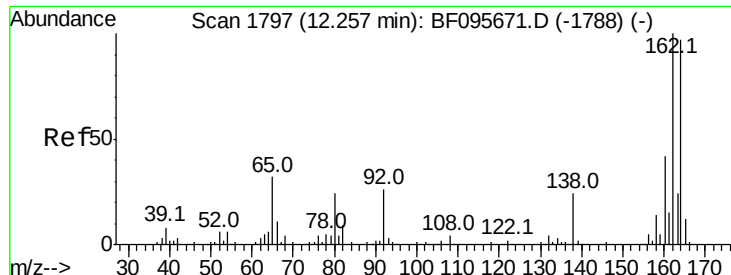
#23
Nitrobenzene-d5
Concen: 5.21 ng
RT: 8.32 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF095698.D
Acq: 6 Jun 2017 4:34

Tgt Ion: 82	Resp:	32763
Ion Ratio	Lower	Upper
82	100	
128	46.1	34.0 51.0
54	48.1	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

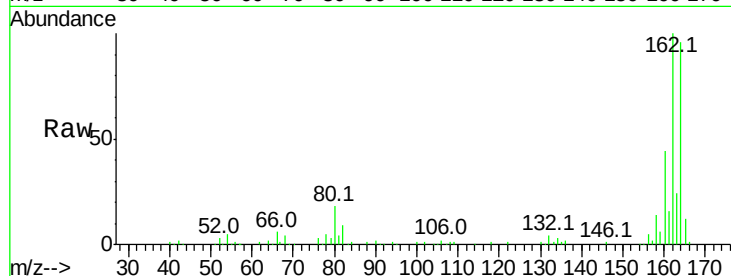




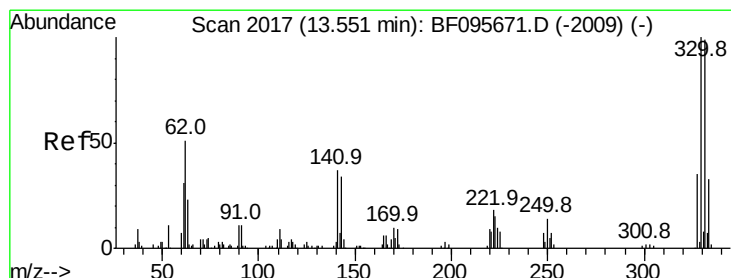
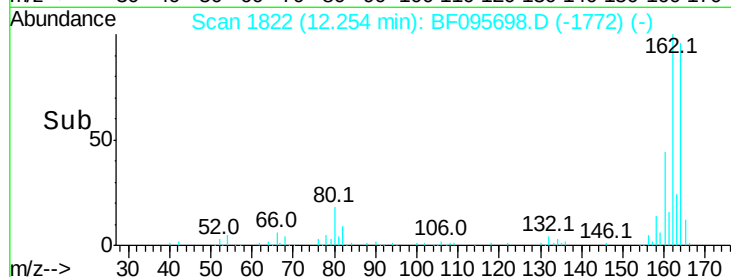
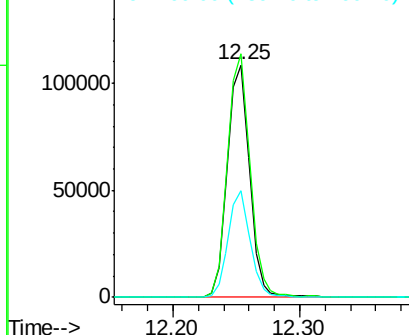
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.25 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BF095698.D
Acq: 6 Jun 2017 4:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 131577
Ion Ratio Lower Upper
164 100
162 104.7 82.6 123.8
160 45.8 36.2 54.2

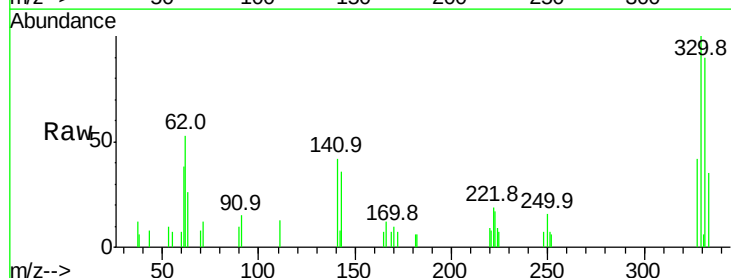


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

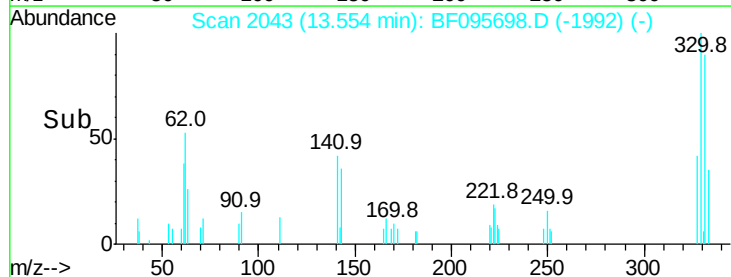
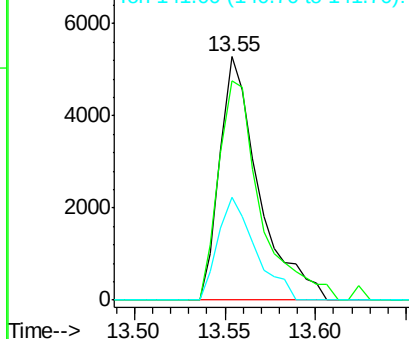


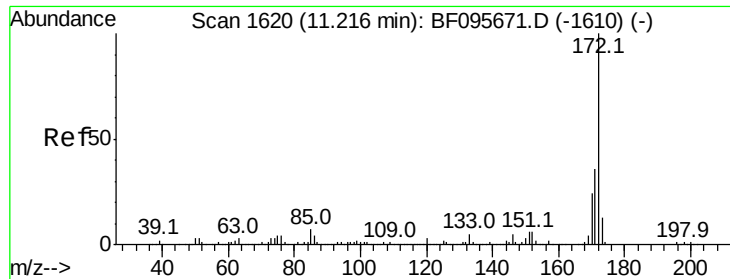
#41
2,4,6-Tribromophenol
Concen: 6.84 ng
RT: 13.55 min Scan# 2043
Delta R.T. 0.00 min
Lab File: BF095698.D
Acq: 6 Jun 2017 4:34

Tgt Ion:330 Resp: 7960
Ion Ratio Lower Upper
330 100
332 96.2 76.6 115.0
141 40.3 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

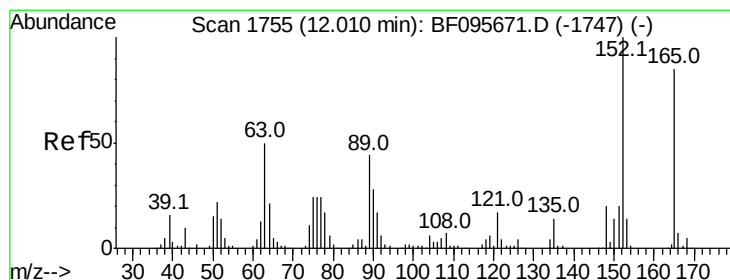
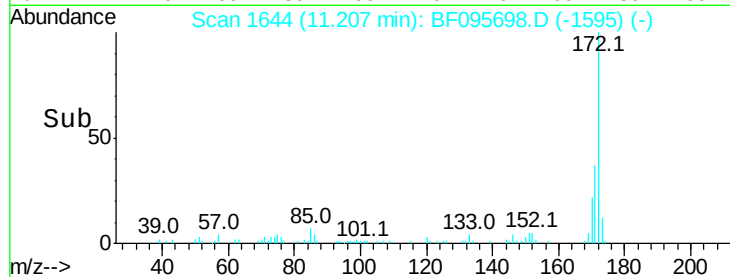
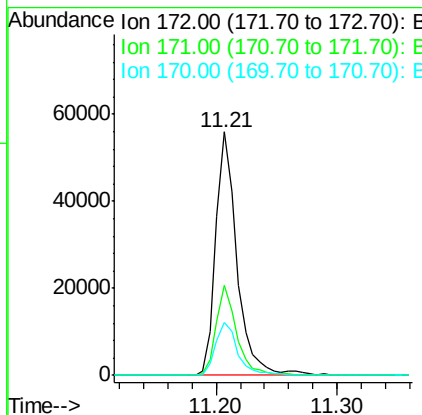
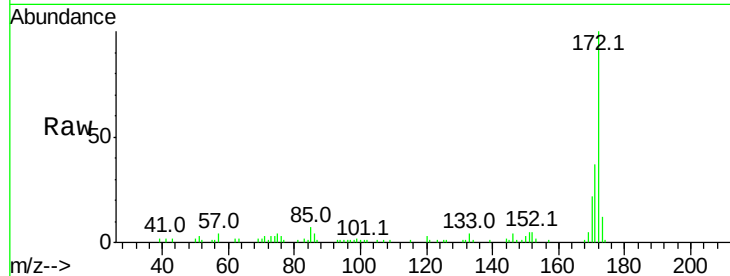




#44
2-Fluorobiphenyl
Concen: 7.13 ng
RT: 11.21 min Scan# 1644
Delta R.T. -0.01 min
Lab File: BF095698.D
Acq: 6 Jun 2017 4:34

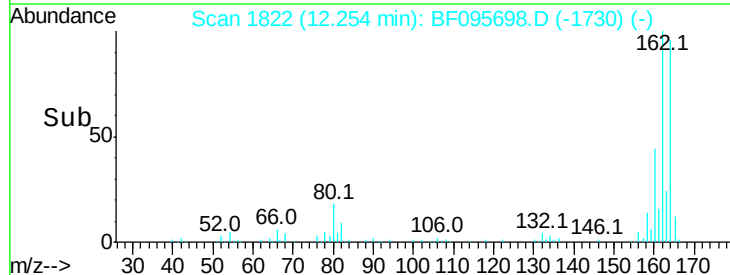
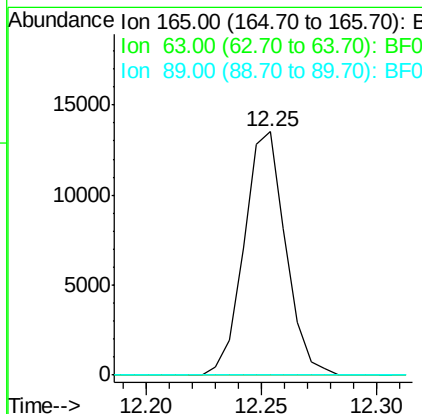
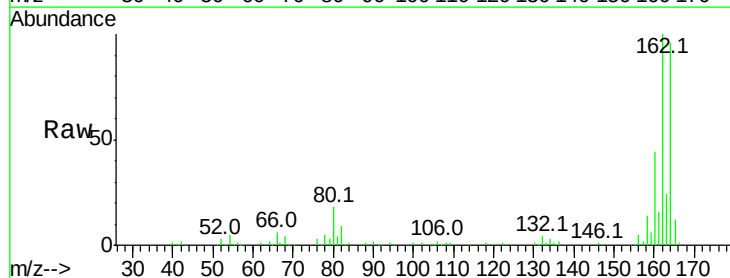
Instrument :
BNA_F
ClientSampleId :

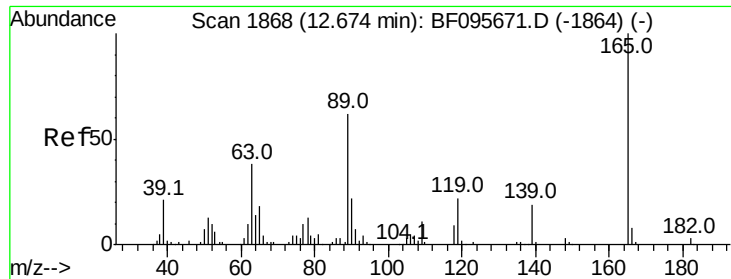
Tot Ion:172 Resp: 67462
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 21.6 19.8 29.8



#50
2,6-Dinitrotoluene
Concen: 7.78 ng
RT: 12.25 min Scan# 1822
Delta R.T. 0.24 min
Lab File: BF095698.D
Acq: 6 Jun 2017 4:34

Tgt Ion:165 Resp: 16960
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#

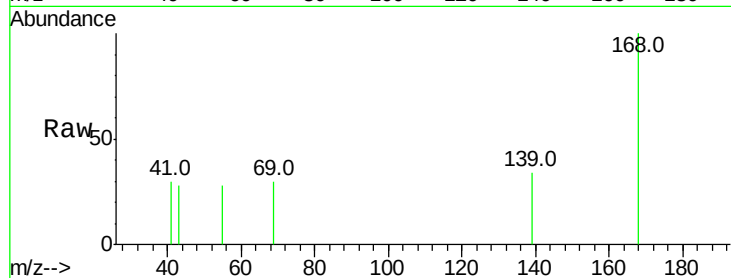




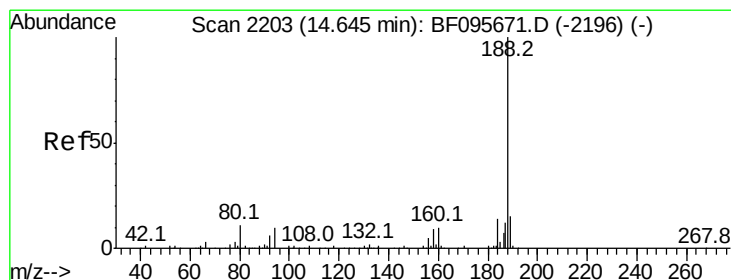
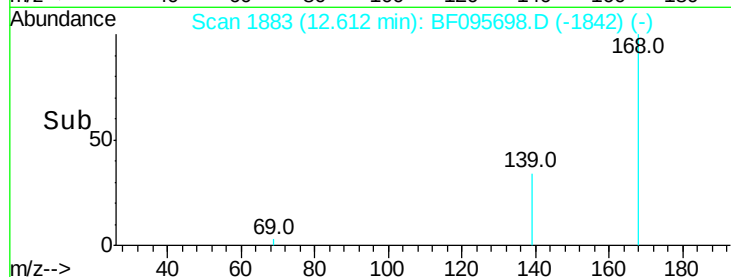
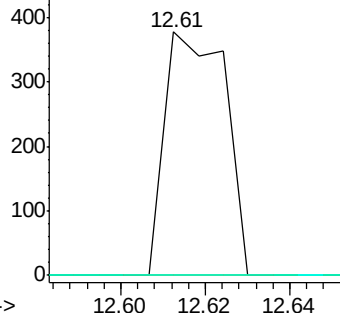
#55
4-Nitrophenol
Concen: 4.87 ng
RT: 12.61 min Scan# 1883
Delta R.T. -0.06 min
Lab File: BF095698.D
Acq: 6 Jun 2017 4:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 376
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

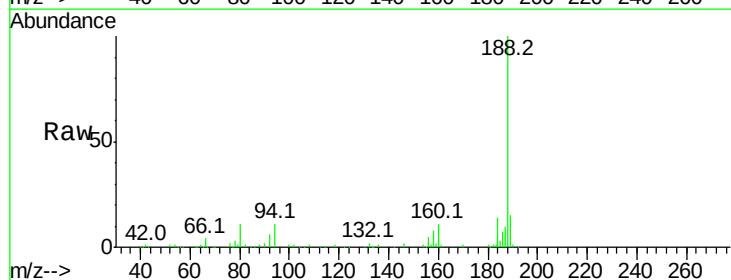


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

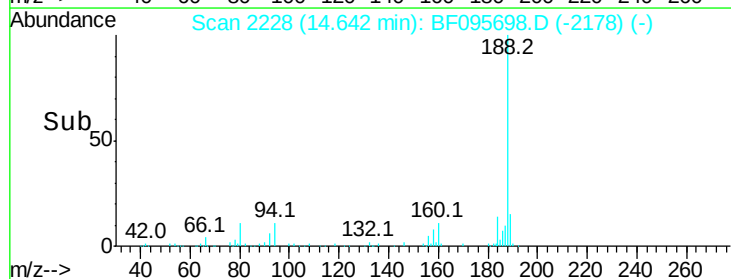
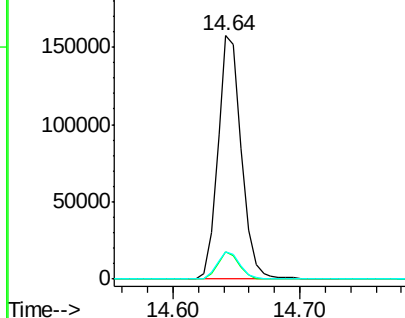


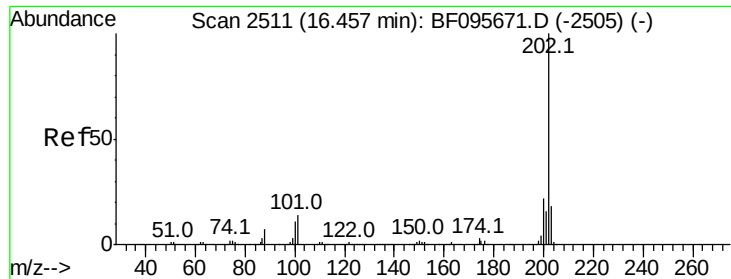
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF095698.D
Acq: 6 Jun 2017 4:34

Tgt Ion:188 Resp: 202742
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.4 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: 2.72 ng

RT: 16.46 min Scan# 2537

Delta R.T. 0.00 min

Lab File: BF095698.D

Acq: 6 Jun 2017 4:34

Instrument :

BNA_F

ClientSampleId :

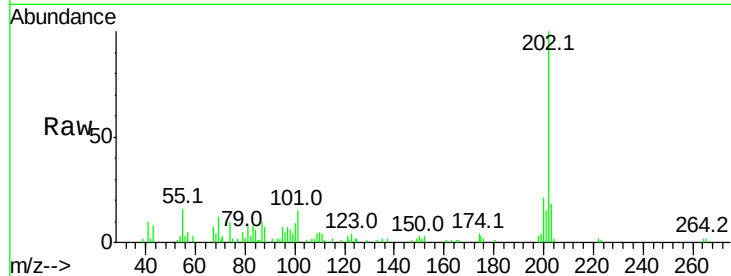
Tot Ion:202 Resp: 31493

Ion Ratio Lower Upper

202 100

101 15.2 0.0 33.2

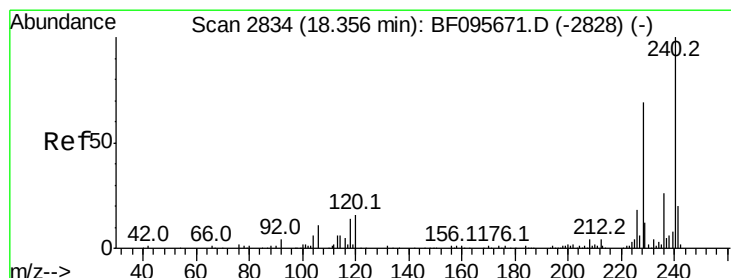
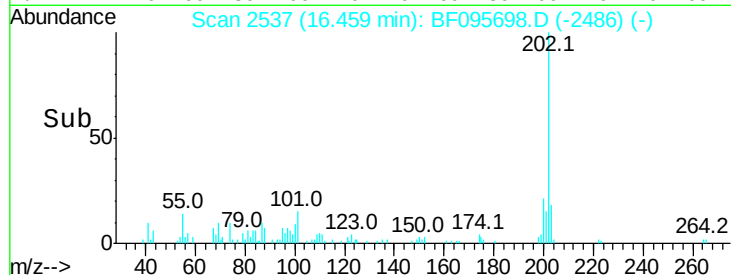
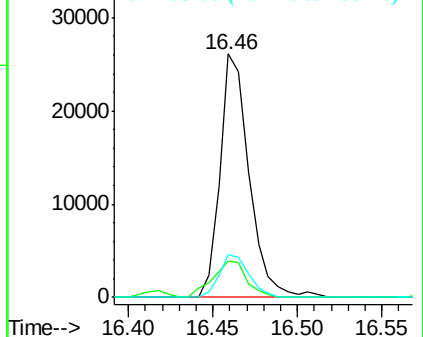
203 17.5 0.0 38.1



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: 18.35 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BF095698.D

Acq: 6 Jun 2017 4:34

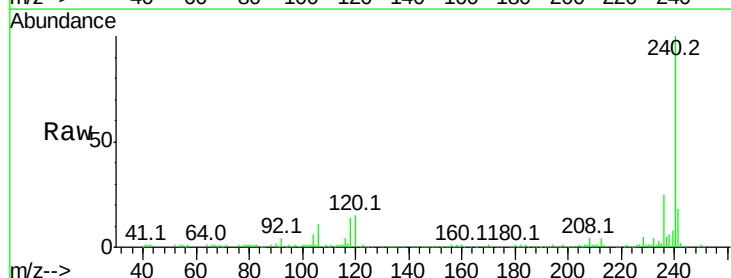
Tgt Ion:240 Resp: 173078

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

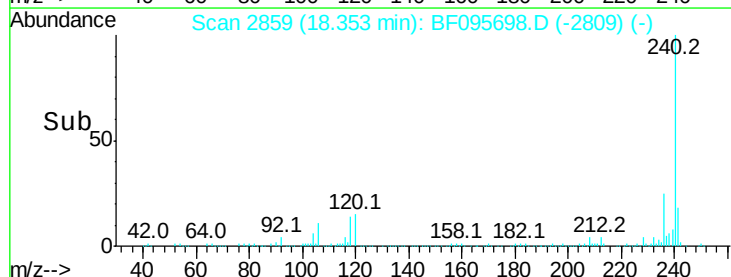
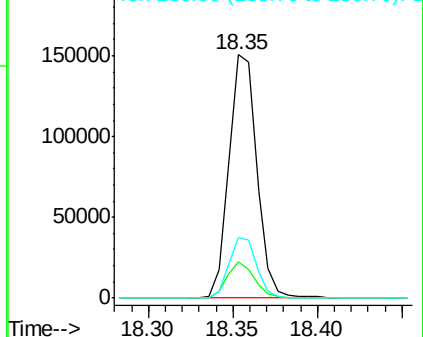
236 24.9 20.5 30.7

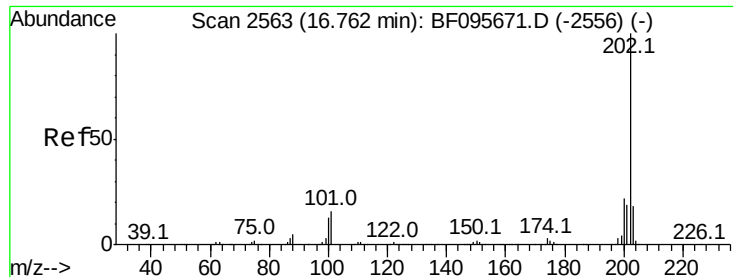


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

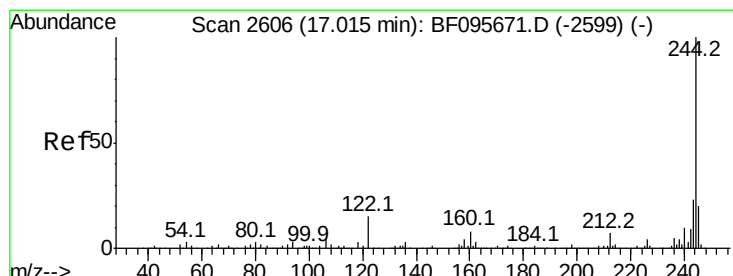
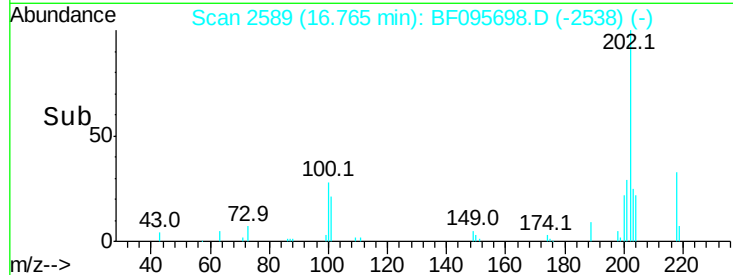
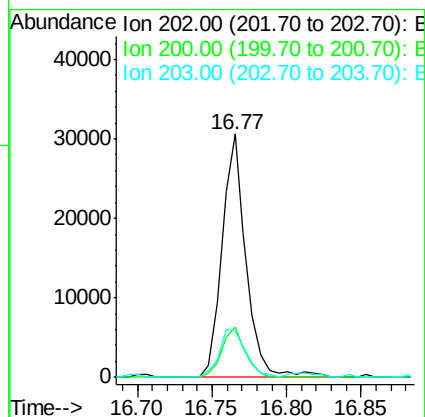
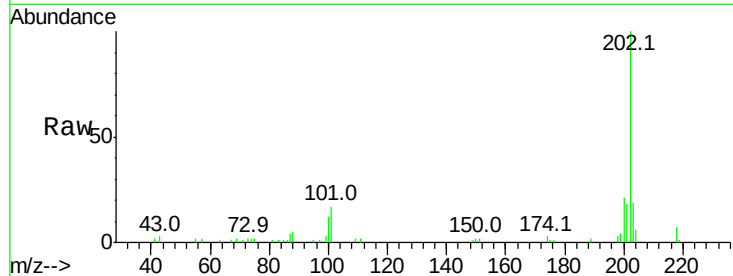




#77
Pvrene
Concen: 2.67 ng
RT: 16.77 min Scan# 2589
Delta R.T. 0.00 min
Lab File: BF095698.D
Acq: 6 Jun 2017 4:34

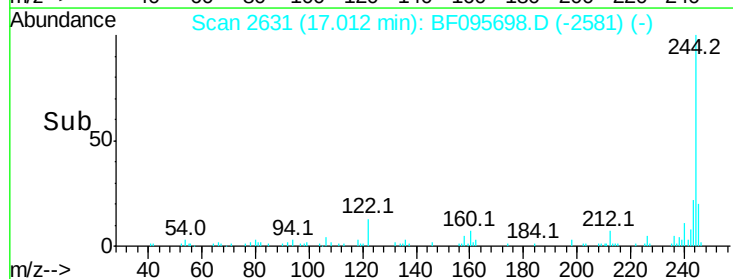
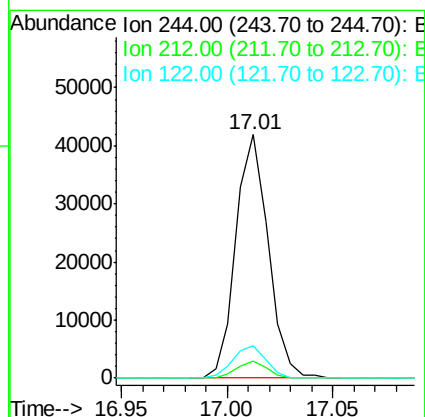
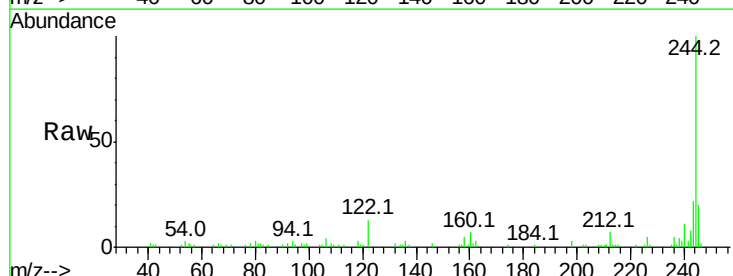
Instrument :
BNA_F
ClientSampleId :

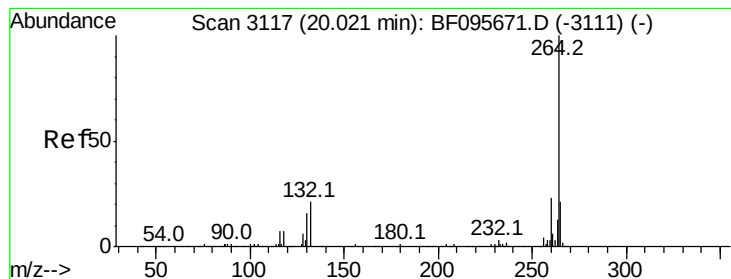
Tot Ion:202 Resp: 34468
Ion Ratio Lower Upper
202 100
200 20.9 17.6 26.4
203 19.3 14.4 21.6



#78
Terphenyl-d14
Concen: 6.35 ng
RT: 17.01 min Scan# 2631
Delta R.T. -0.00 min
Lab File: BF095698.D
Acq: 6 Jun 2017 4:34

Tgt Ion:244 Resp: 44284
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 13.3 10.3 15.5





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.02 min Scan# 3143

Delta R.T. 0.00 min

Lab File: BF095698.D

Acq: 6 Jun 2017 4:34

Instrument :

BNA_F

ClientSampleId :

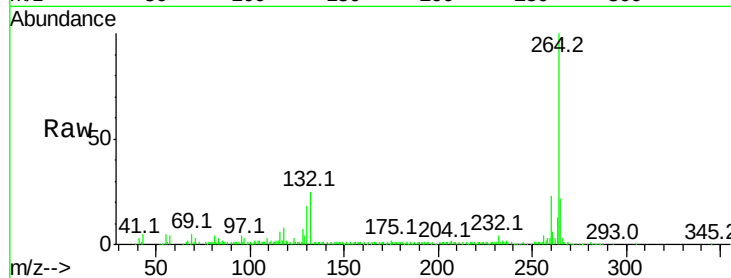
Tot Ion:264 Resp: 115743

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

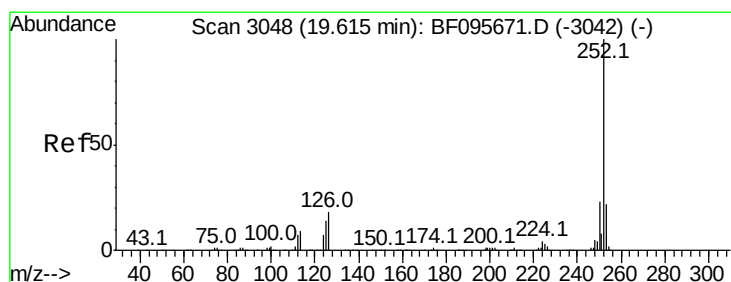
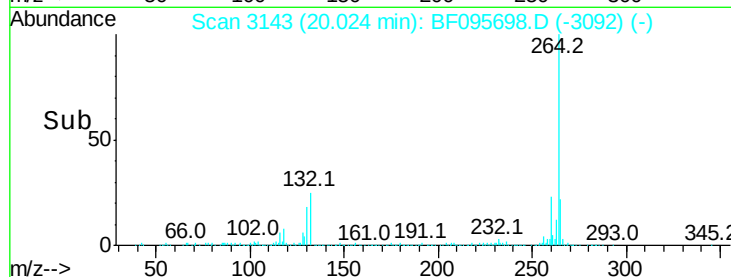
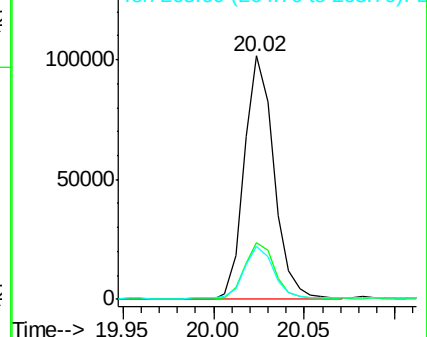
265 22.0 17.2 25.8



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: 2.69 ng

RT: 19.63 min Scan# 3076

Delta R.T. 0.01 min

Lab File: BF095698.D

Acq: 6 Jun 2017 4:34

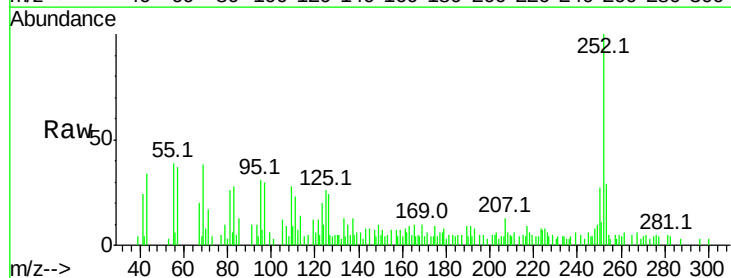
Tgt Ion:252 Resp: 19499

Ion Ratio Lower Upper

252 100

253 29.4 18.1 27.1#

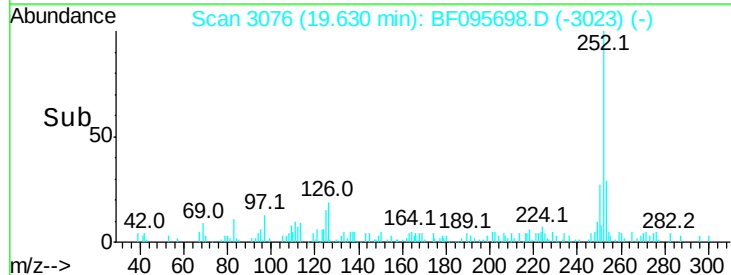
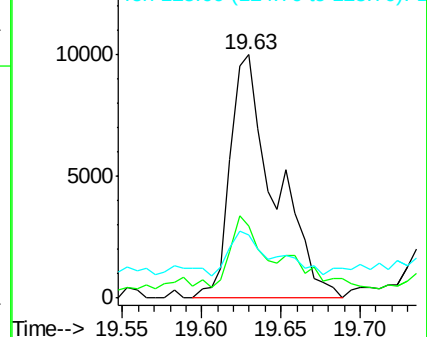
125 26.1 9.8 14.8#

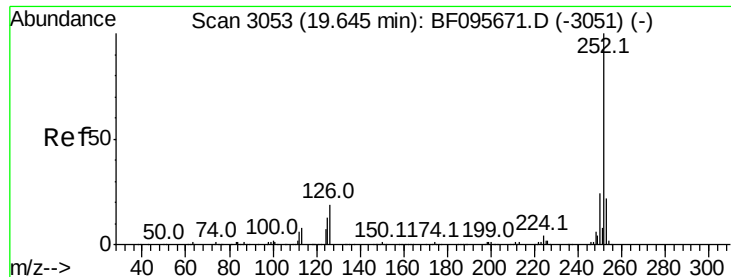


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.81 ng

RT: 19.63 min Scan# 3076

Delta R.T. -0.01 min

Lab File: BF095698.D

Acq: 6 Jun 2017 4:34

Instrument :

BNA_F

ClientSampleId :

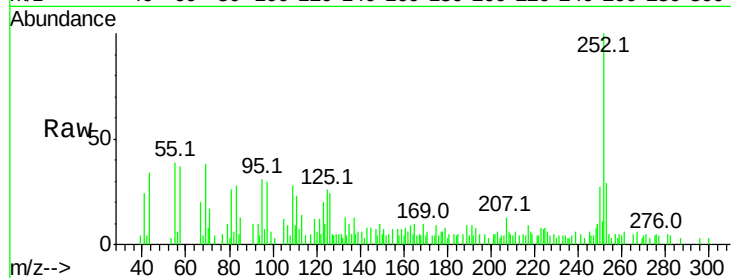
Tot Ion:252 Resp: 19499

Ion Ratio Lower Upper

252 100

253 29.4 18.4 27.6#

125 26.1 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

