

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095151.D
 Acq On : 16 May 2017 5:56
 Operator : SJ/MA
 Sample : I3140-16 20X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 09:27:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

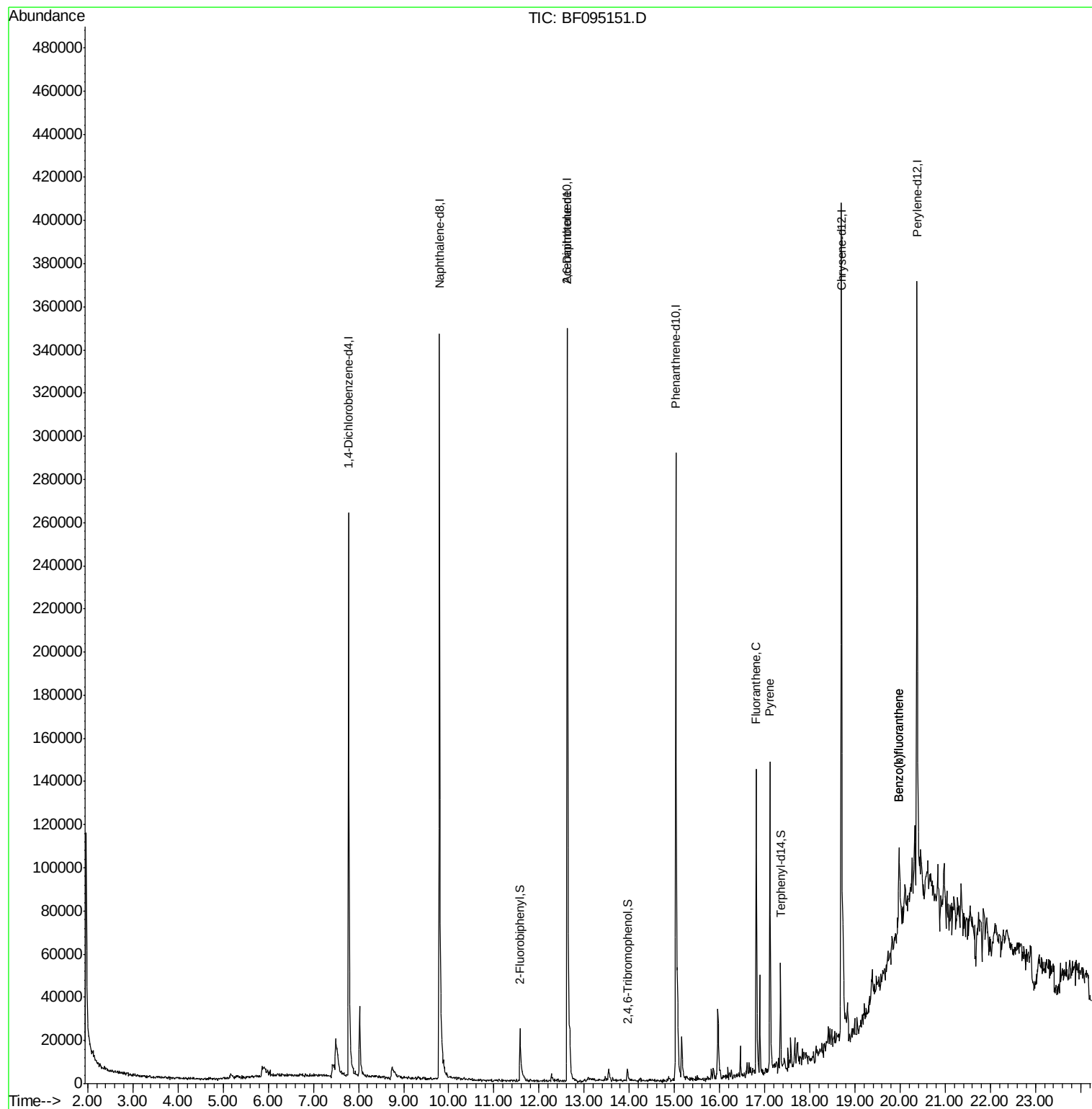
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	69537	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	291328	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	124578	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	178603	20.00	ng	0.05
75) Chrysene-d12	18.70	240	176196	20.00	ng	0.05
86) Perylene-d12	20.38	264	136794	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.87	112	4305	1.03	ng	0.19
7) Phenol-d6	7.44	99	9868	1.97	ng	0.16
23) Nitrobenzene-d5	8.74	82	6865	1.49	ng	0.11
41) 2,4,6-Tribromophenol	13.96	330	2411	2.36	ng	0.08
44) 2-Fluorobiphenyl	11.58	172	24086	2.78	ng	0.05
78) Terphenyl-d14	17.35	244	20746	2.59	ng	0.04
Target Compounds						
50) 2,6-Dinitrotoluene	12.62	165	10722	5.14	ng	# 31
74) Fluoranthene	16.81	202	84086	7.99	ng	99
77) Pyrene	17.11	202	76698	5.82	ng	96
87) Benzo(b)fluoranthene	19.98	252	28646	3.39	ng	# 92
88) Benzo(k)fluoranthene	19.98	252	28646	3.51	ng	# 95

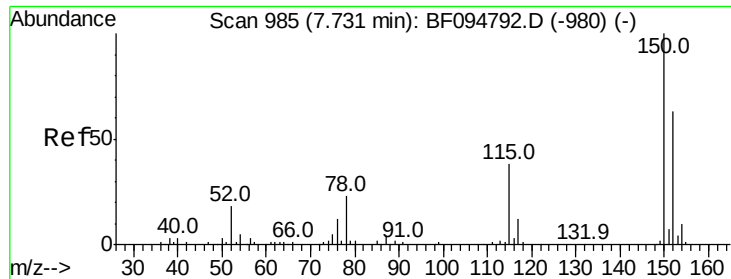
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.78 min Scan# 993

Delta R.T. 0.05 min

Lab File: BF095151.D

Acq: 16 May 2017 5:56

Instrument :

BNA_F

ClientSampled :

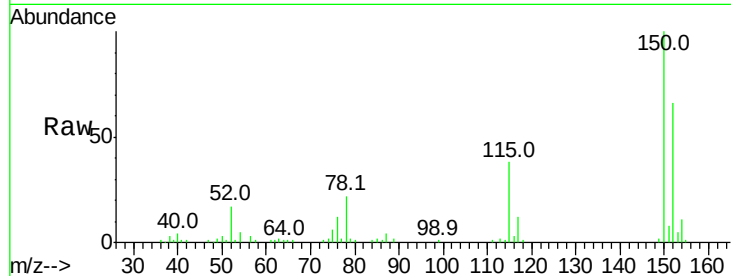
Tot Ion:152 Resp: 69537

Ion Ratio Lower Upper

152 100

150 151.7 126.2 189.2

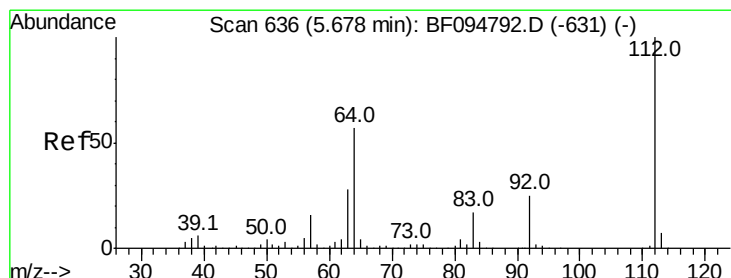
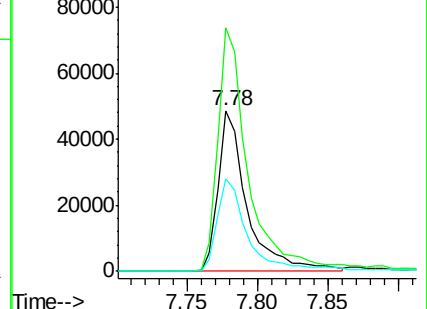
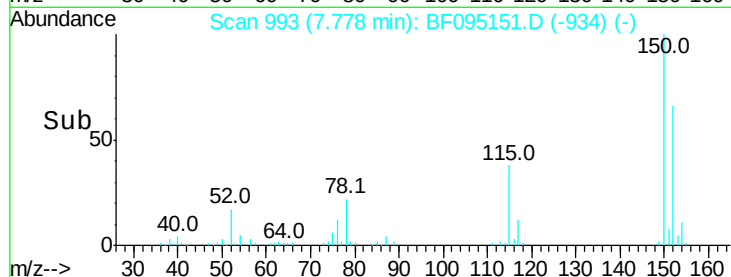
115 57.8 52.2 78.2



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: 1.03 ng

RT: 5.87 min Scan# 669

Delta R.T. 0.19 min

Lab File: BF095151.D

Acq: 16 May 2017 5:56

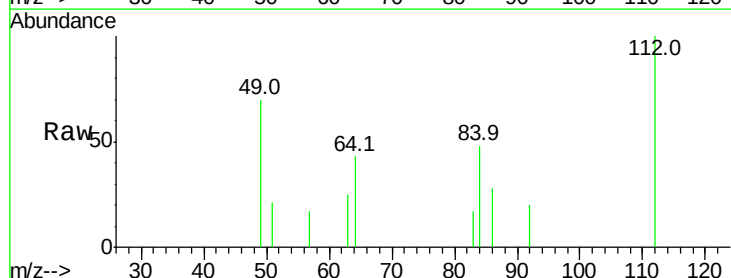
Tgt Ion:112 Resp: 4305

Ion Ratio Lower Upper

112 100

64 43.3 46.0 69.0#

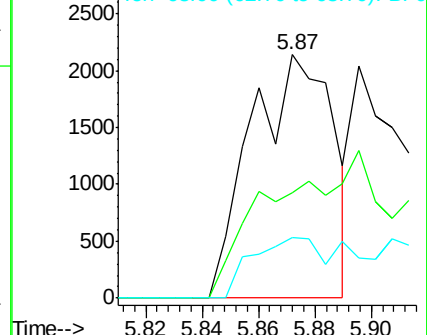
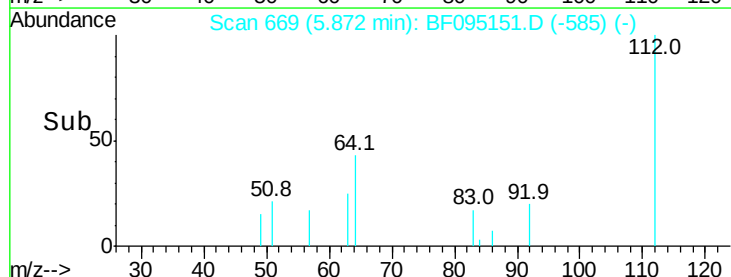
63 25.0 23.4 35.0

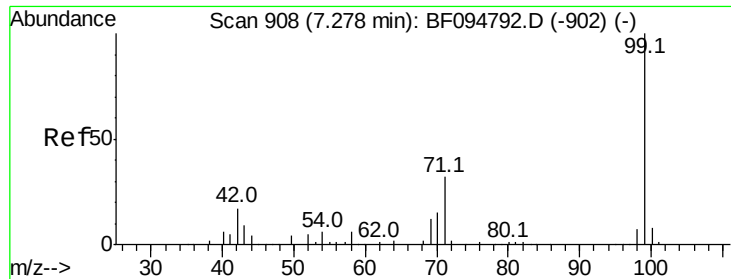


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.97 ng

RT: 7.44 min Scan# 935

Delta R.T. 0.16 min

Lab File: BF095151.D

Acq: 16 May 2017 5:56

Instrument :

BNA_F

ClientSampleId :

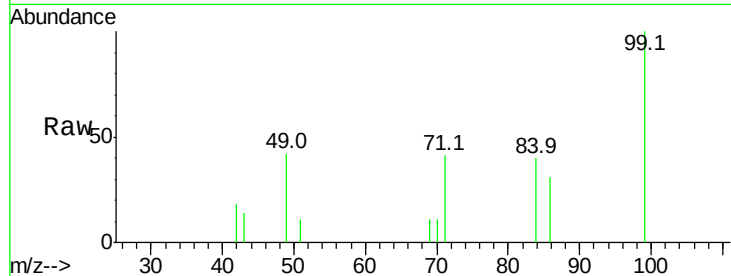
Tot Ion: 99 Resp: 9868

Ion Ratio Lower Upper

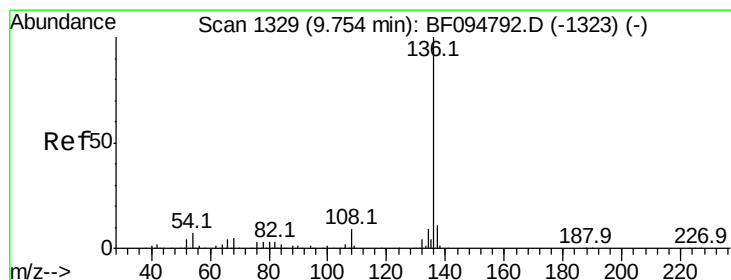
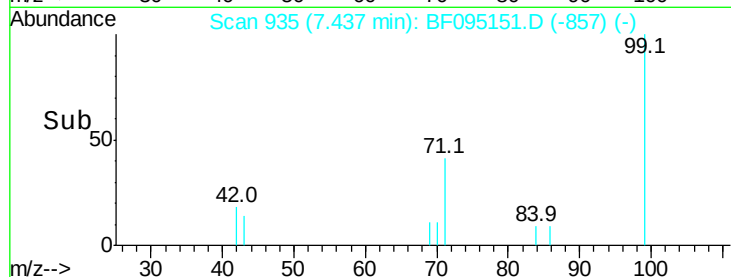
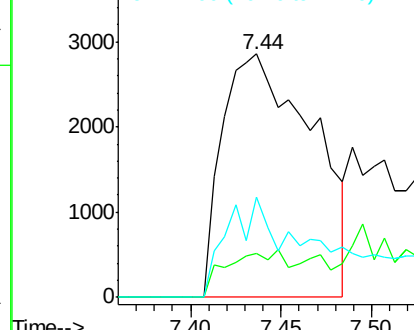
99 100

42 18.0 13.5 20.3

71 41.0 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: 9.80 min Scan# 1336

Delta R.T. 0.04 min

Lab File: BF095151.D

Acq: 16 May 2017 5:56

Tgt Ion: 136 Resp: 291328

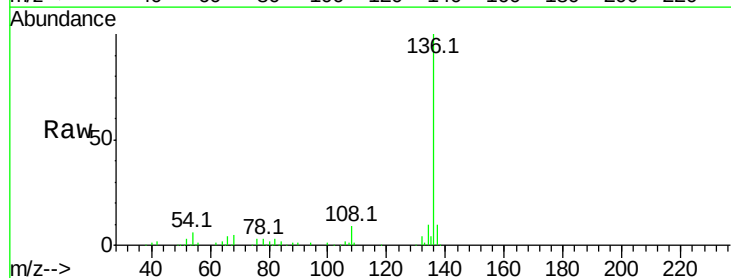
Ion Ratio Lower Upper

136 100

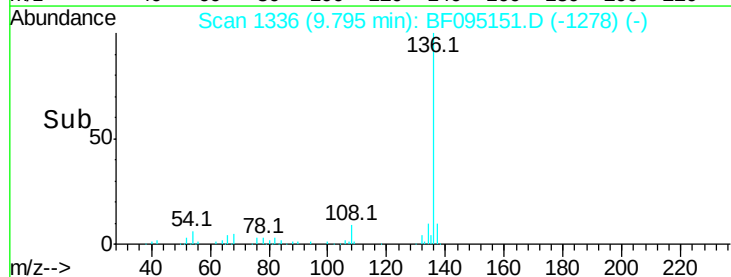
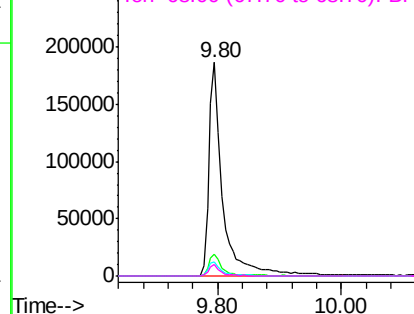
137 10.1 8.5 12.7

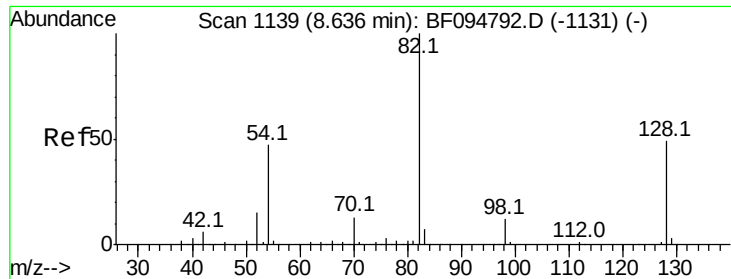
54 6.4 4.9 7.3

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

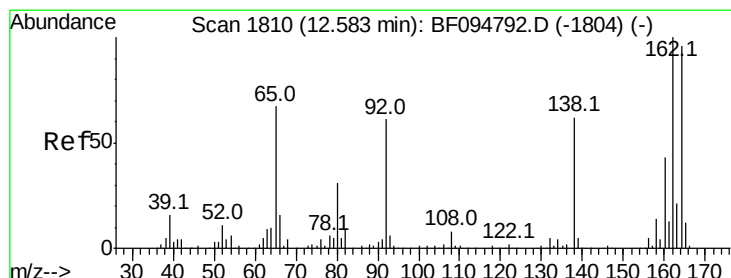
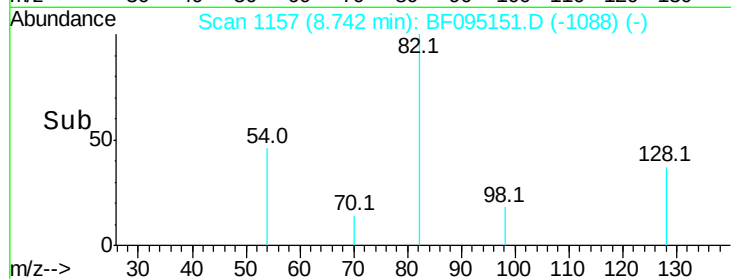
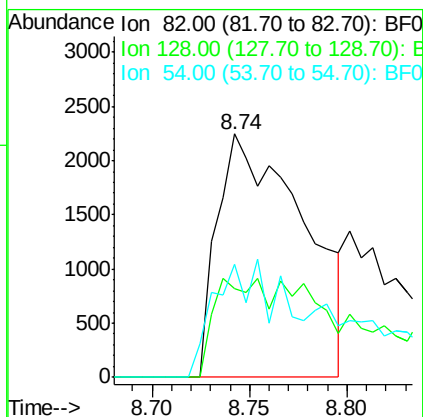
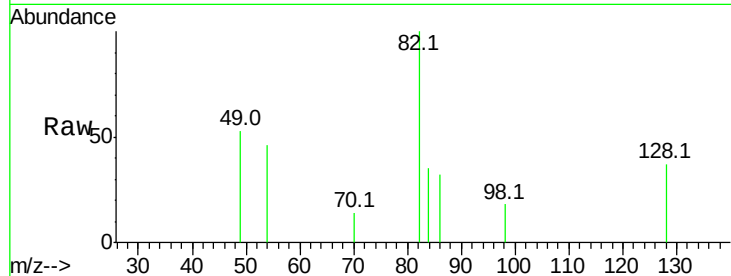




#23
 Nitrobenzene-d5
 Concen: 1.49 ng
 RT: 8.74 min Scan# 1157
 Delta R.T. 0.11 min
 Lab File: BF095151.D
 Acq: 16 May 2017 5:56

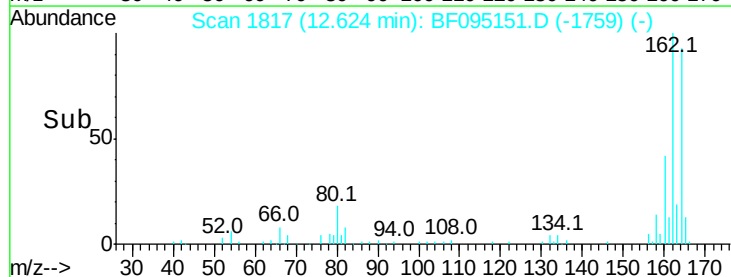
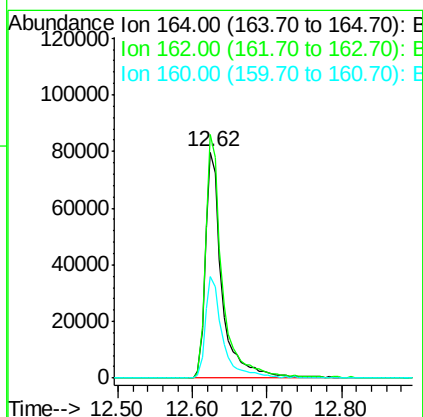
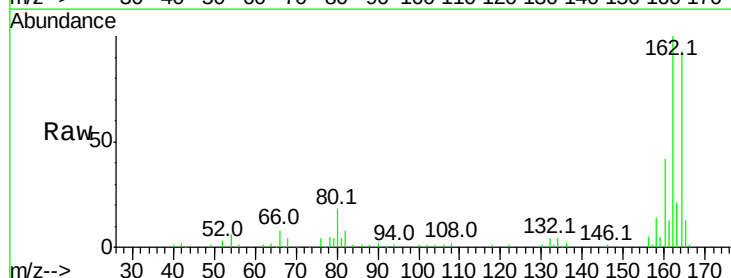
Instrument :
 BNA_F
 ClientSampled :

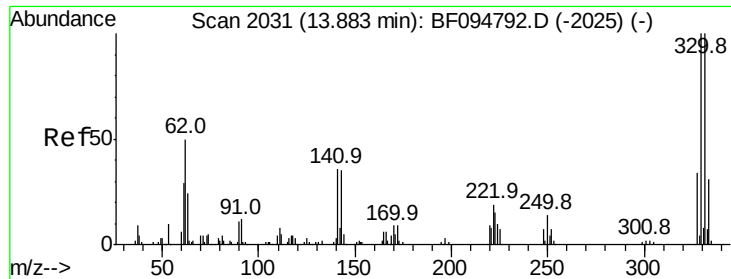
Tot Ion	82	Resp	6865
Ion Ratio	100	Lower	Upper
128	36.6	34.0	51.0
54	46.5	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095151.D
 Acq: 16 May 2017 5:56

Tgt Ion	164	Resp	124578
Ion Ratio	100	Lower	Upper
162	107.6	82.6	123.8
160	44.8	36.2	54.2

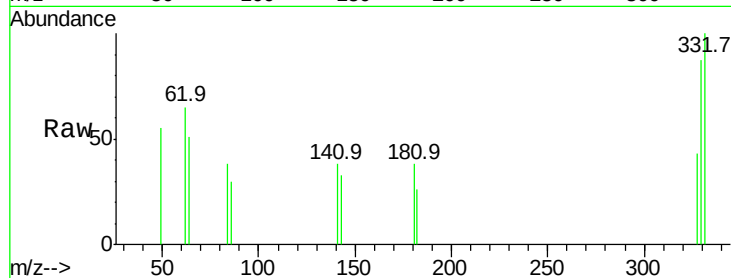




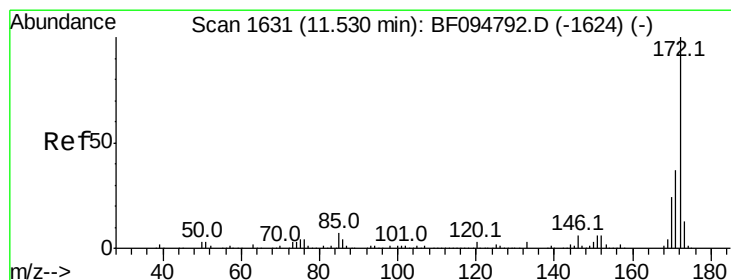
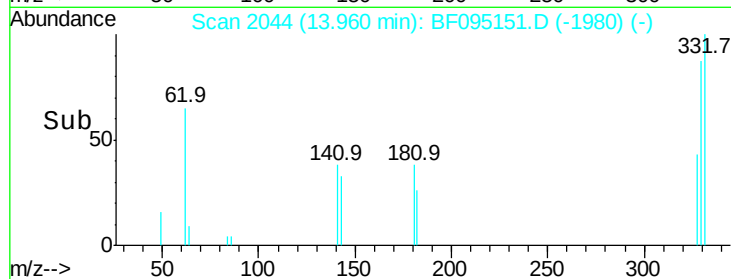
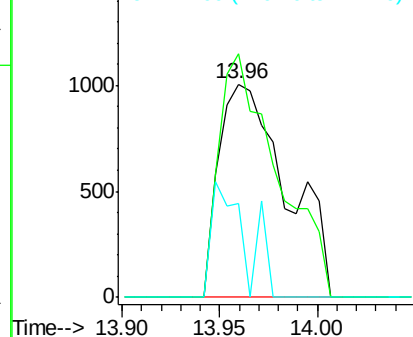
#41
 2,4,6-Tribromophenol
 Concen: 2.36 ng
 RT: 13.96 min Scan# 2044
 Delta R.T. 0.08 min
 Lab File: BF095151.D
 Acq: 16 May 2017 5:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 2411
 Ion Ratio Lower Upper
 330 100
 332 98.9 76.6 115.0
 141 27.5 31.4 47.2#

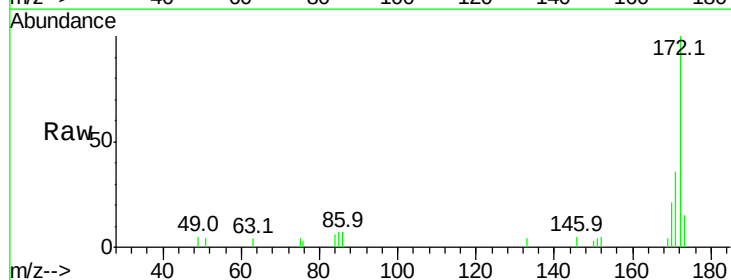


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

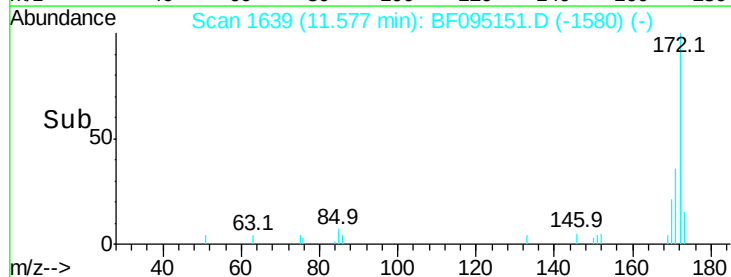
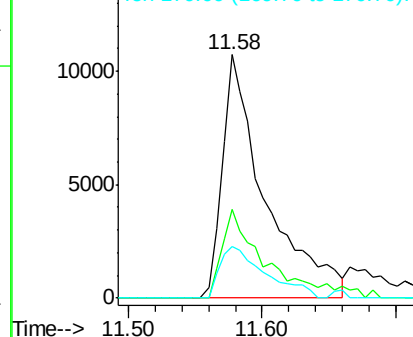


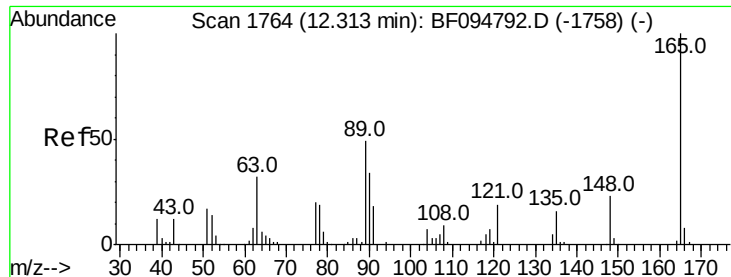
#44
 2-Fluorobiphenyl
 Concen: 2.78 ng
 RT: 11.58 min Scan# 1639
 Delta R.T. 0.05 min
 Lab File: BF095151.D
 Acq: 16 May 2017 5:56

Tgt Ion:172 Resp: 24086
 Ion Ratio Lower Upper
 172 100
 171 36.3 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

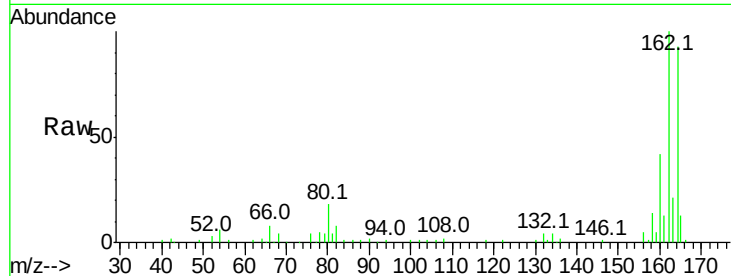




#50
 2,6-Dinitrotoluene
 Concen: 5.14 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.31 min
 Lab File: BF095151.D
 Acq: 16 May 2017 5:56

Instrument :
 BNA_F
 ClientSampleId :

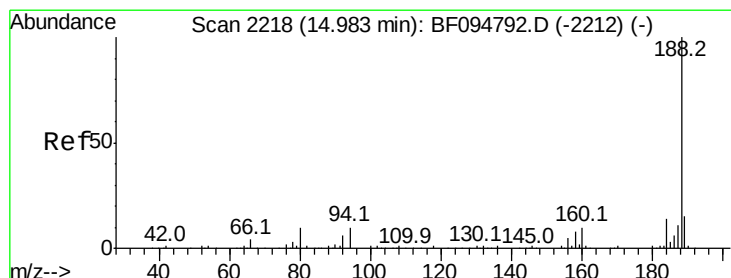
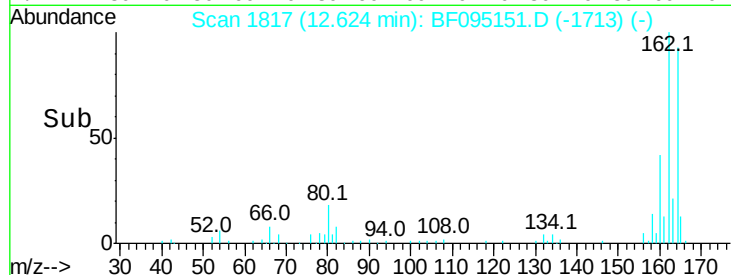
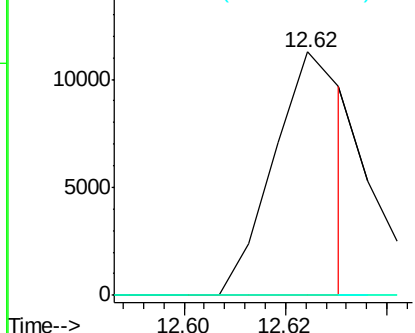
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

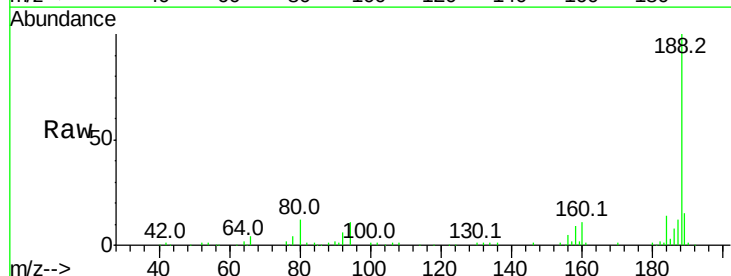
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095151.D
 Acq: 16 May 2017 5:56

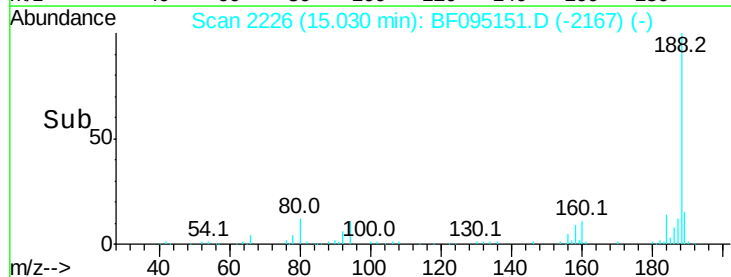
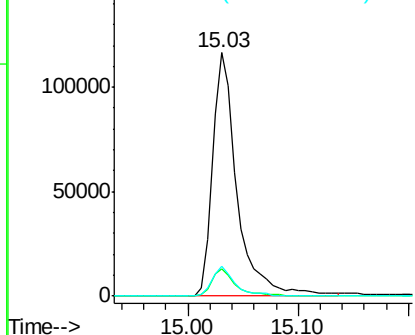
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	12.2	10.2	15.2

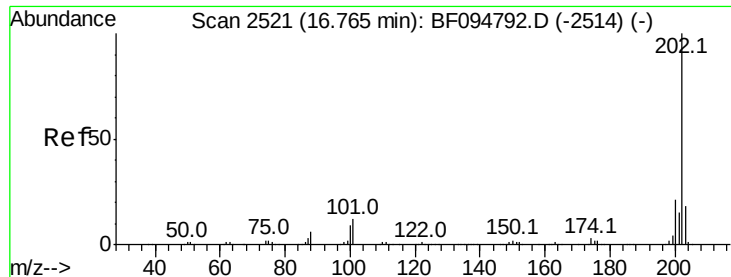


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

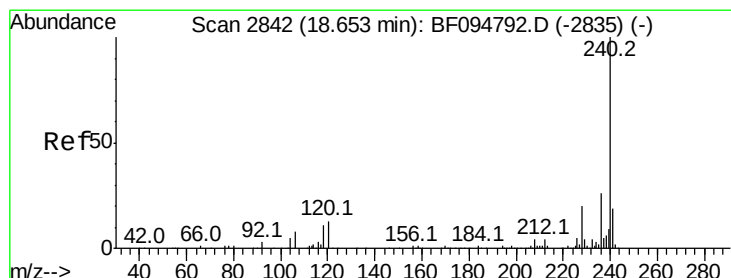
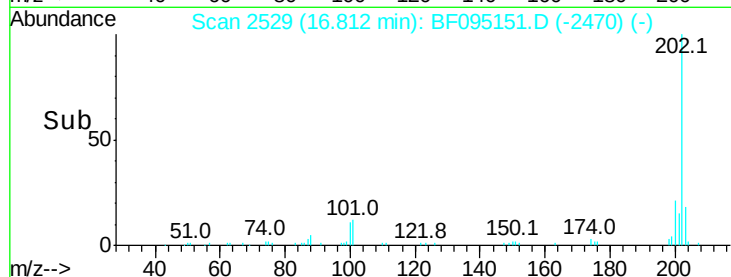
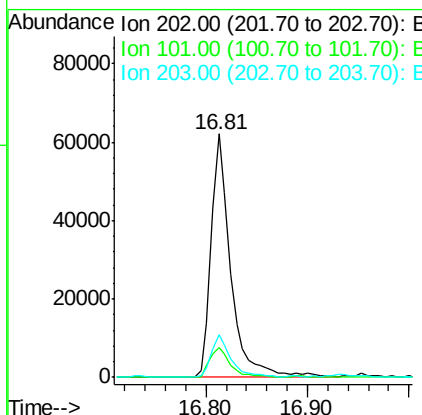
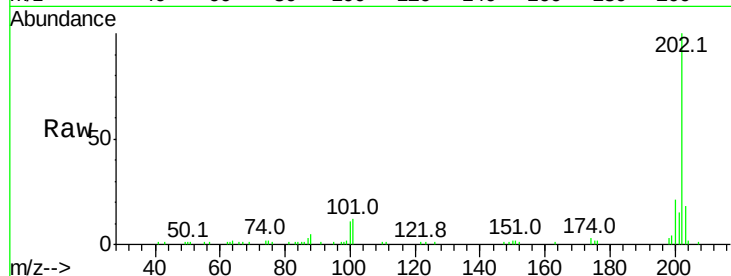




#74
 Fluoranthene
 Concen: 7.99 ng
 RT: 16.81 min Scan# 2529
 Delta R.T. 0.05 min
 Lab File: BF095151.D
 Acq: 16 May 2017 5:56

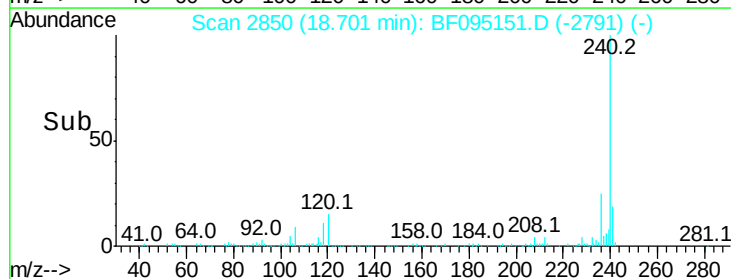
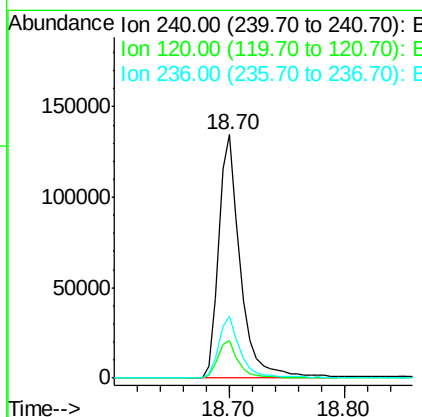
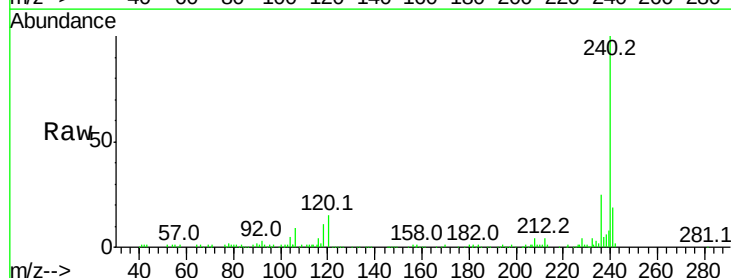
Instrument :
 BNA_F
 ClientSampleId :

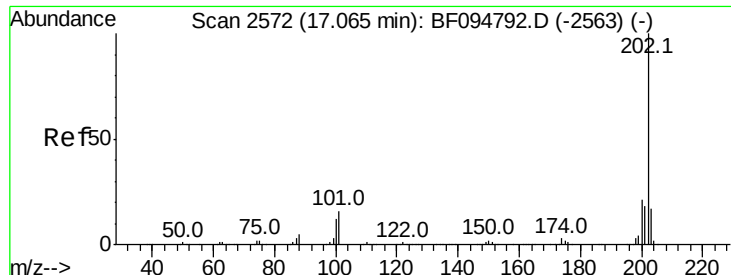
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095151.D
 Acq: 16 May 2017 5:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.3	5.8	8.8#
236	25.1	20.5	30.7

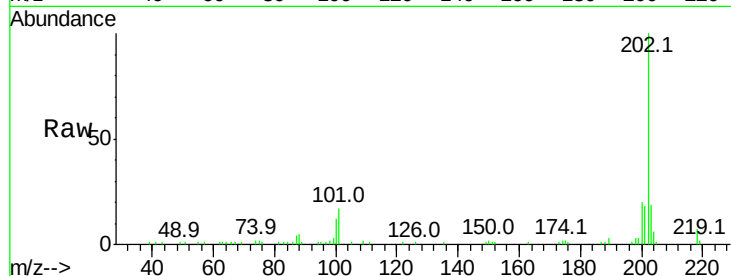




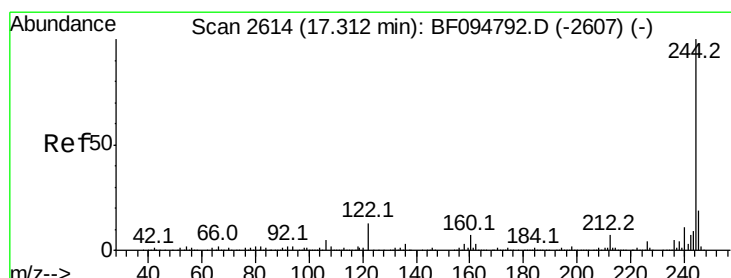
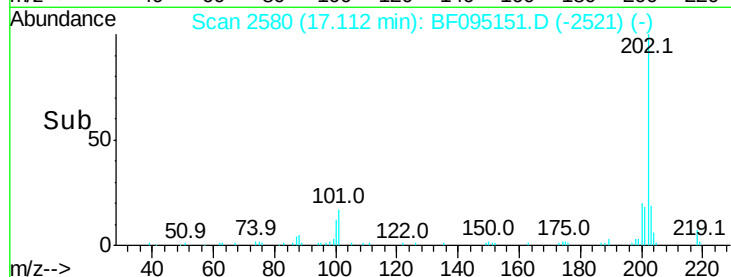
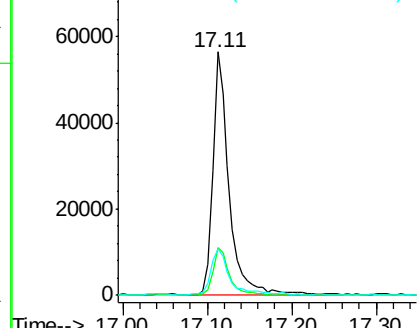
#77
Pvrene
Concen: 5.82 ng
RT: 17.11 min Scan# 2580
Delta R.T. 0.05 min
Lab File: BF095151.D
Acq: 16 May 2017 5:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 76698
Ion Ratio Lower Upper
202 100
200 19.7 17.6 26.4
203 19.3 14.4 21.6

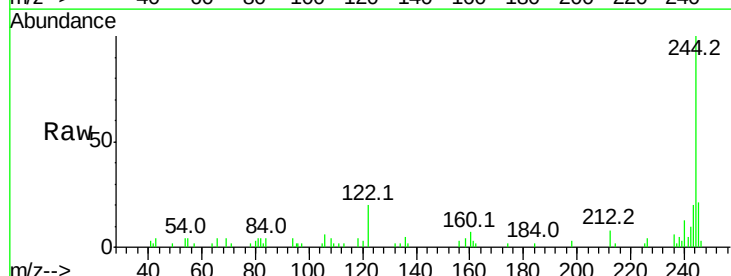


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

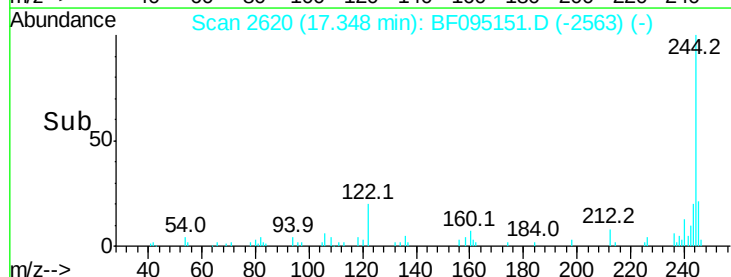
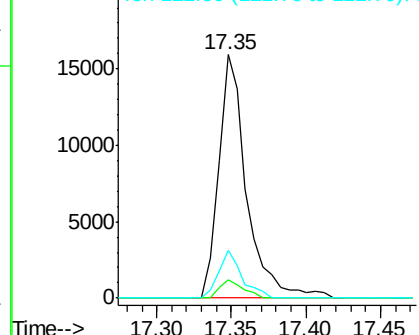


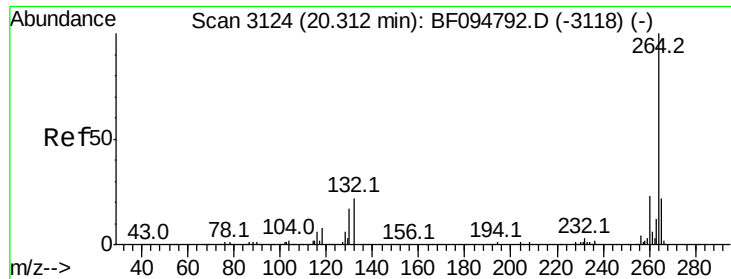
#78
Terphenyl-d14
Concen: 2.59 ng
RT: 17.35 min Scan# 2620
Delta R.T. 0.04 min
Lab File: BF095151.D
Acq: 16 May 2017 5:56

Tgt Ion:244 Resp: 20746
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 19.6 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

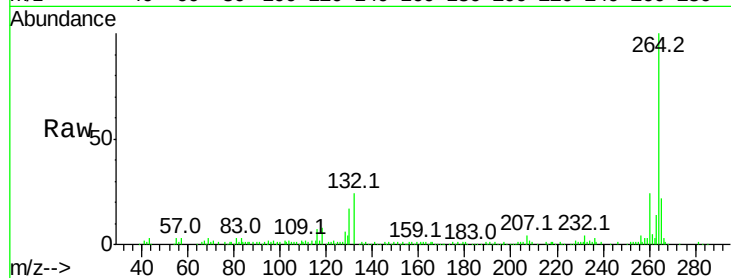




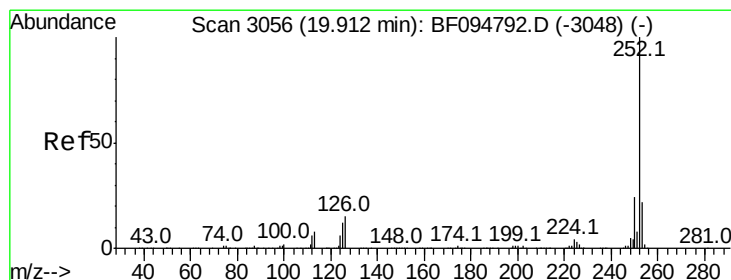
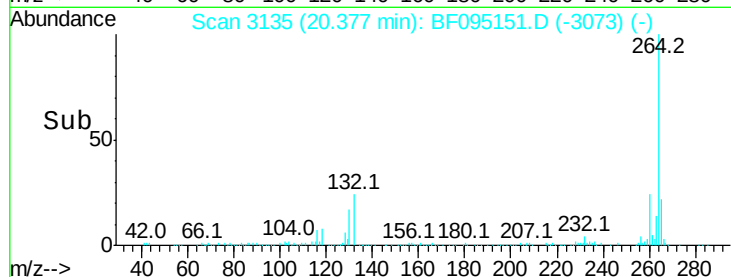
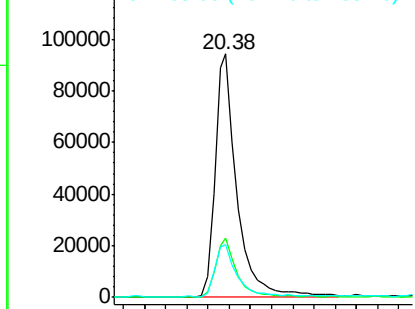
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.38 min Scan# 3135
Delta R.T. 0.06 min
Lab File: BF095151.D
Acq: 16 May 2017 5:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 136794
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 21.5 17.2 25.8

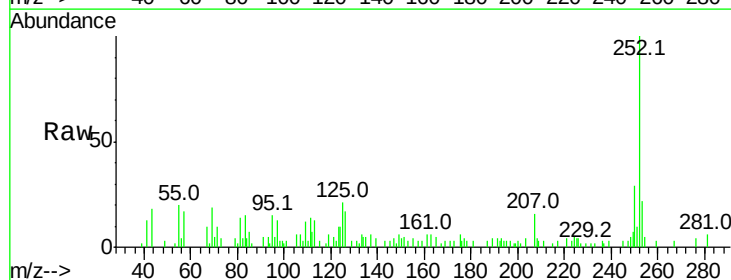


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

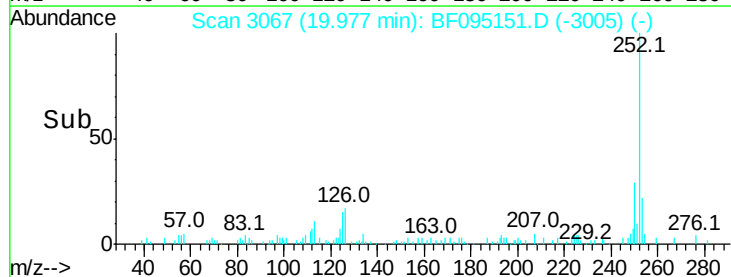
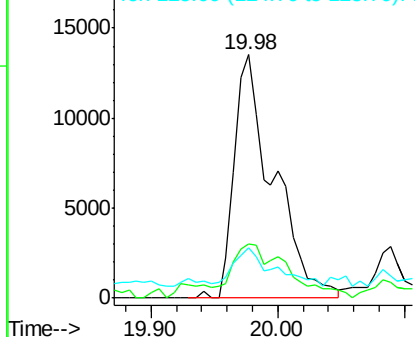


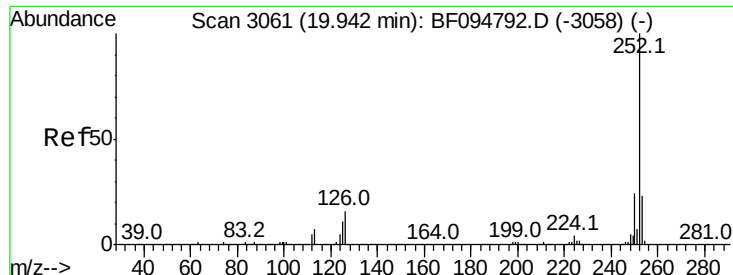
#87
Benzo(b)fluoranthene
Concen: 3.39 ng
RT: 19.98 min Scan# 3067
Delta R.T. 0.06 min
Lab File: BF095151.D
Acq: 16 May 2017 5:56

Tgt Ion:252 Resp: 28646
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 20.6 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: 3.51 ng

RT: 19.98 min Scan# 3067

Delta R.T. 0.04 min

Lab File: BF095151.D

Acq: 16 May 2017 5:56

Instrument :

BNA_F

ClientSampleId :

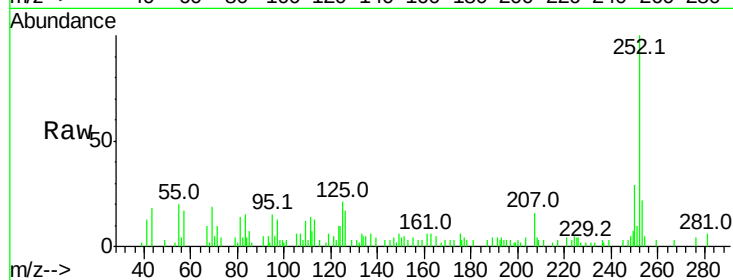
Tot Ion:252 Resp: 28646

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

125 20.6 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

