

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\
 Data File : BF095304.D
 Acq On : 20 May 2017 14:42
 Operator : SJ/MA
 Sample : I3186-01 10X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 22 01:58:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

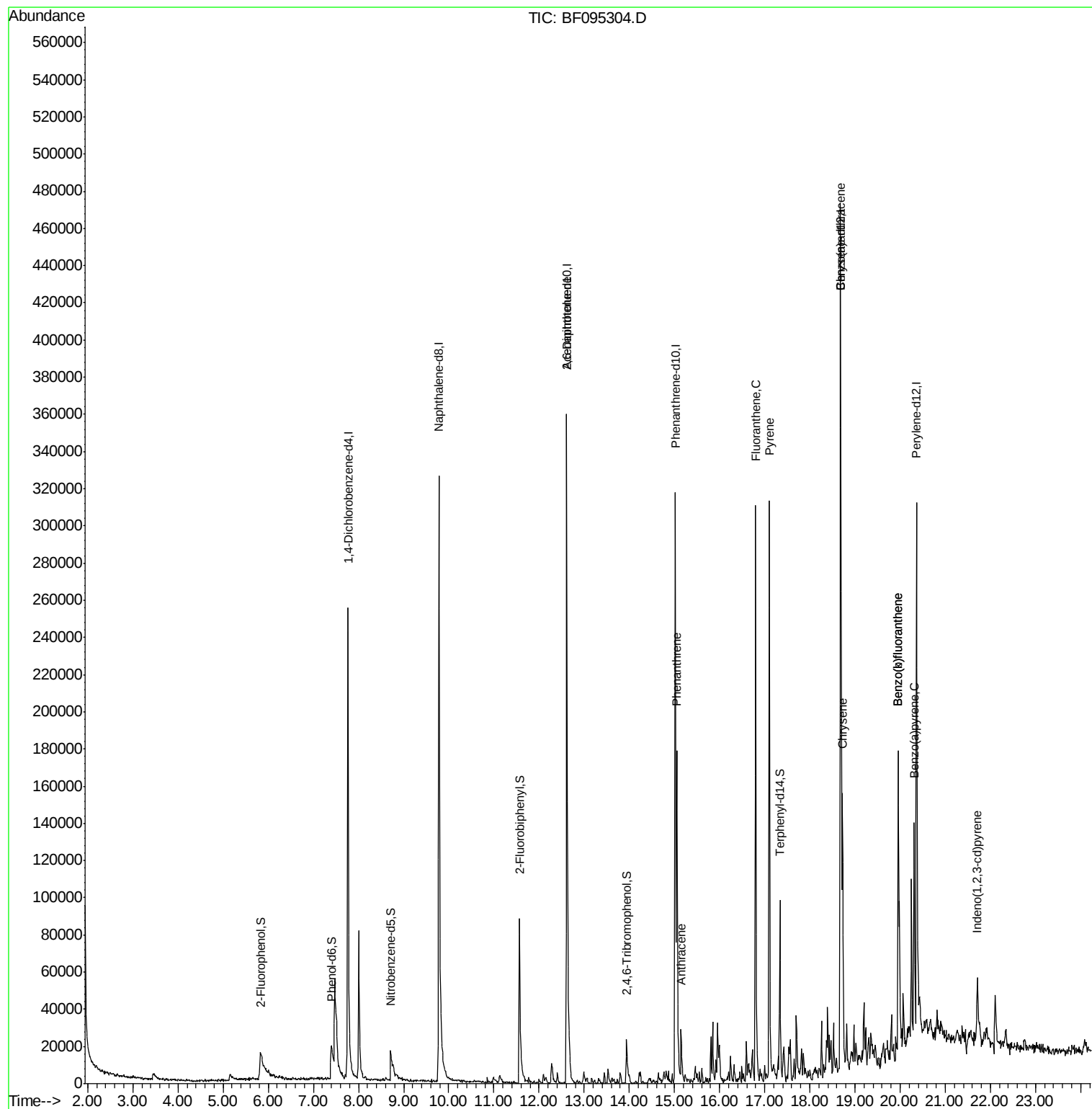
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	79073	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	330946	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	142402	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	198197	20.00	ng	0.00
75) Chrysene-d12	18.69	240	184437	20.00	ng	0.00
86) Perylene-d12	20.37	264	143154	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.83	112	21928	4.62	ng	0.09
7) Phenol-d6	7.41	99	44365	7.80	ng	0.09
23) Nitrobenzene-d5	8.71	82	24341	4.64	ng	0.04
41) 2,4,6-Tribromophenol	13.94	330	7819	6.70	ng	0.02
44) 2-Fluorobiphenyl	11.57	172	74925	7.57	ng	0.00
78) Terphenyl-d14	17.34	244	43761	5.23	ng	-0.01
Target Compounds						
50) 2,6-Dinitrotoluene	12.61	165	14556	6.10	ng	Qvalue # 31
70) Phenanthrene	15.05	178	111865	9.82	ng	98
71) Anthracene	15.15	178	24169	2.08	ng	97
74) Fluoranthene	16.79	202	182644	15.64	ng	99
77) Pyrene	17.10	202	156997	11.38	ng	97
80) Benzo(a)anthracene	18.68	228	77079	7.18	ng	96
82) Chrysene	18.72	228	79976	7.71	ng	97
85) Indeno(1,2,3-cd)pyrene	21.71	276	25580	3.03	ng	98
87) Benzo(b)fluoranthene	19.96	252	120365	13.61	ng	# 96
88) Benzo(k)fluoranthene	19.96	252	120365	14.11	ng	97
89) Benzo(a)pyrene	20.31	252	55136	6.75	ng	99

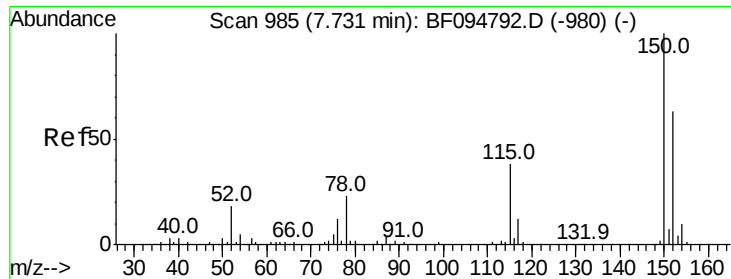
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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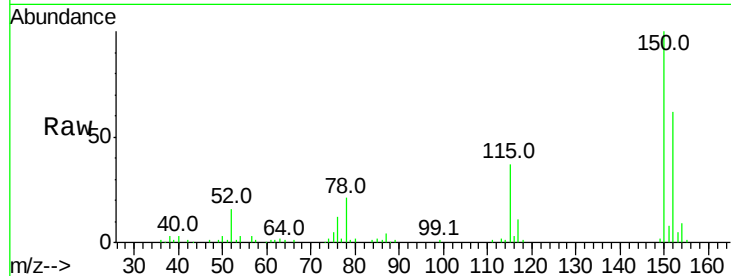


#1

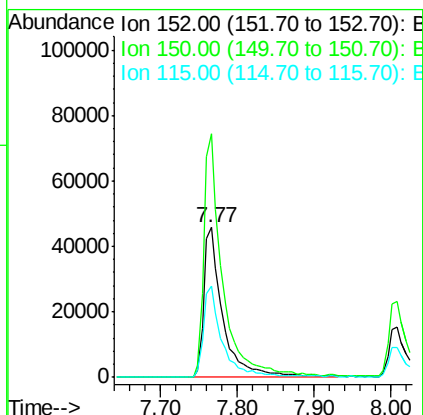
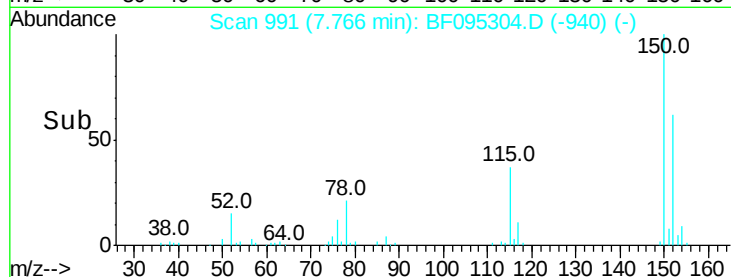
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 991
Delta R.T. 0.00 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79073
Ion Ratio Lower Upper
152 100
150 162.4 126.2 189.2
115 60.5 52.2 78.2



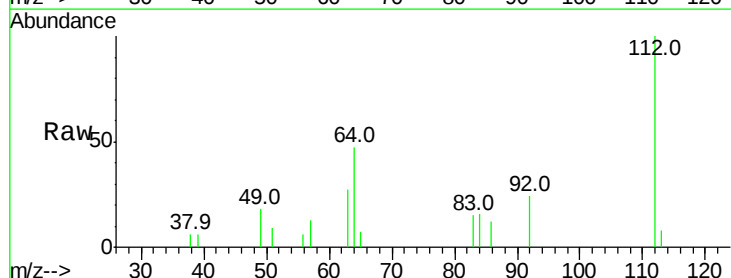
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



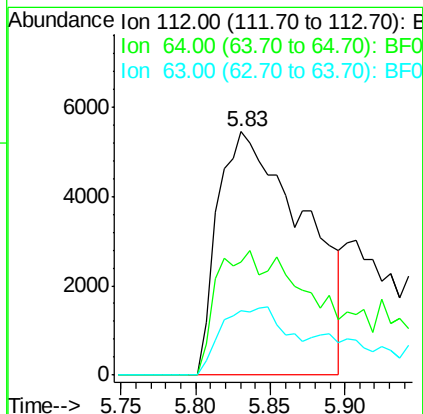
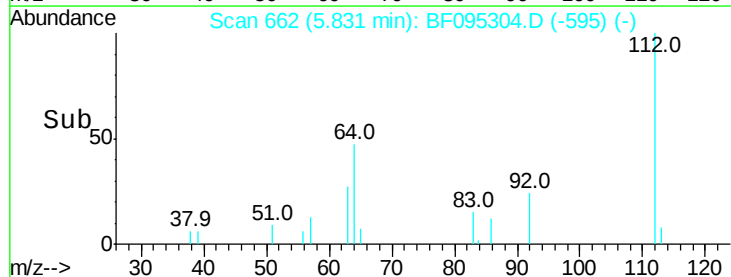
#5

2-Fluorophenol
Concen: 4.62 ng
RT: 5.83 min Scan# 662
Delta R.T. 0.09 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

Tgt Ion:112 Resp: 21928
Ion Ratio Lower Upper
112 100
64 46.6 46.0 69.0
63 26.6 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: 7.80 ng

RT: 7.41 min Scan# 930

Delta R.T. 0.09 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

Instrument :

BNA_F

ClientSampleId :

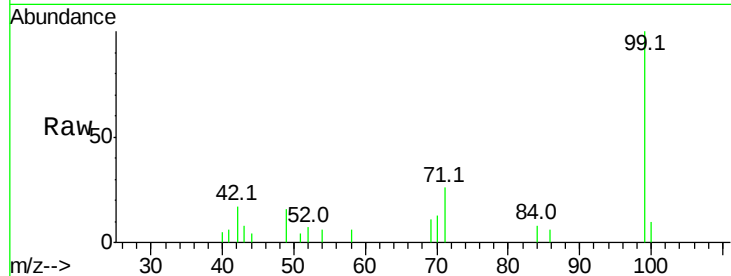
Tot Ion: 99 Resp: 44365

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

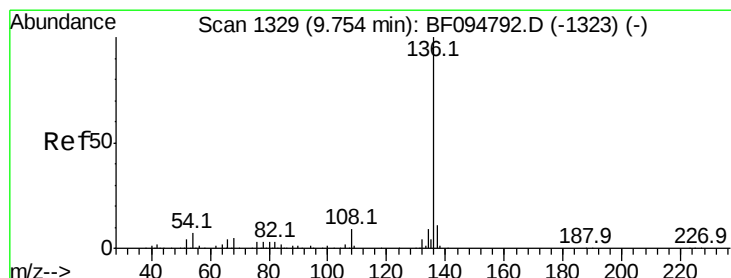
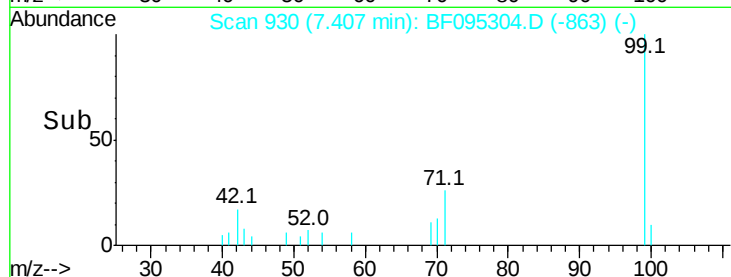
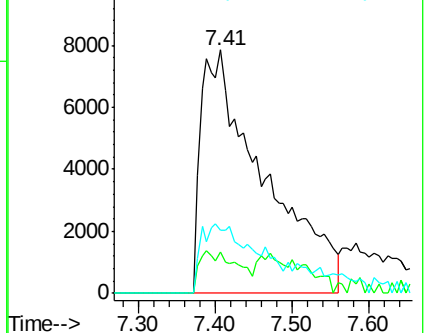
71 26.0 24.5 36.7



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: 9.78 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

Tgt Ion:136 Resp: 330946

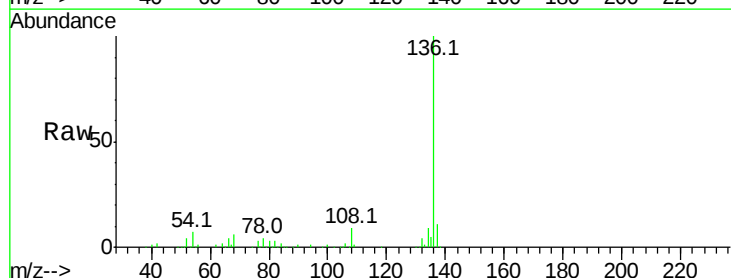
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.8 4.9 7.3

68 5.9 4.1 6.1

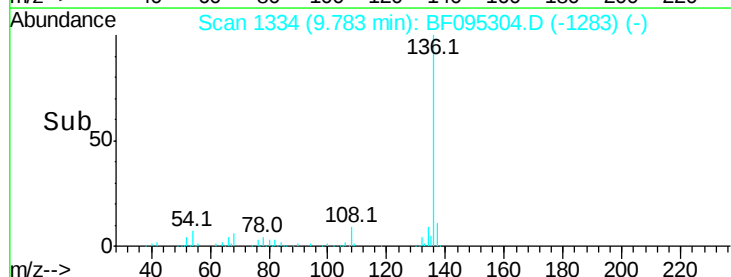
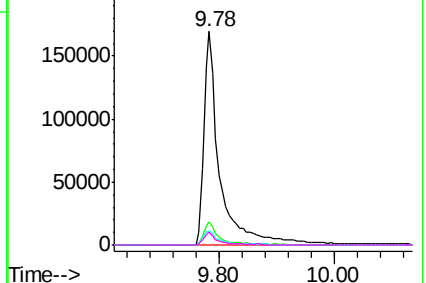


Abundance Ion 136.00 (135.70 to 136.70): E

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

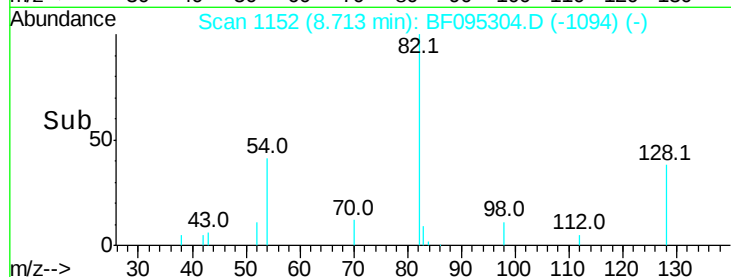
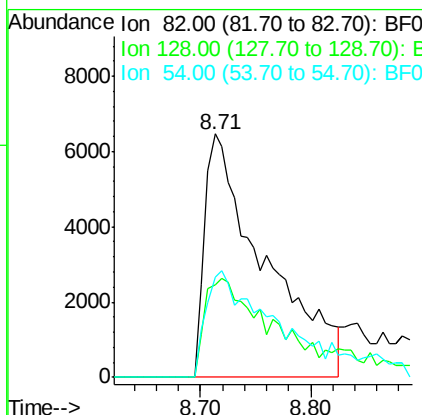
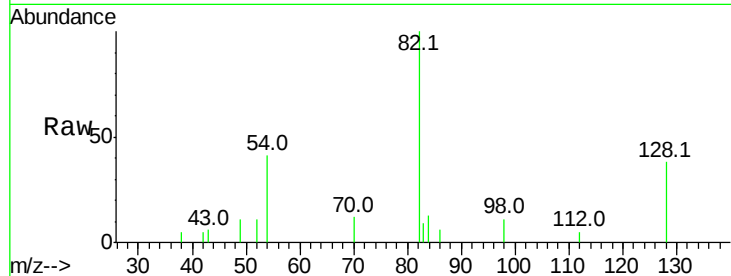




#23
 Nitrobenzene-d5
 Concen: 4.64 ng
 RT: 8.71 min Scan# 1152
 Delta R.T. 0.04 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

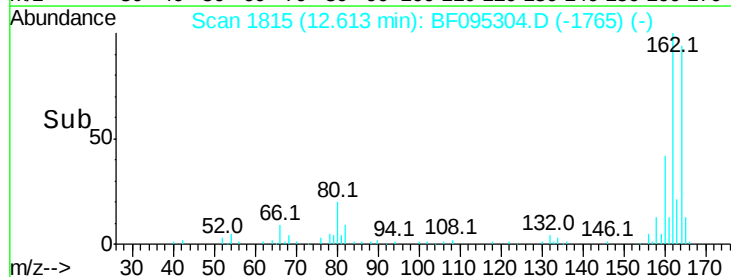
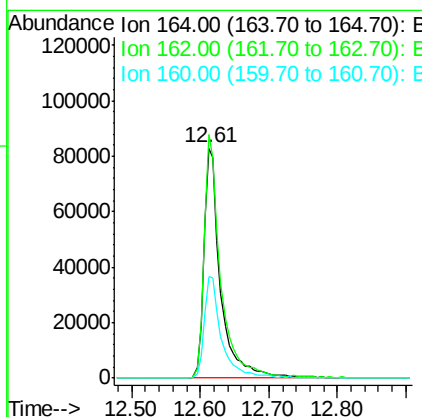
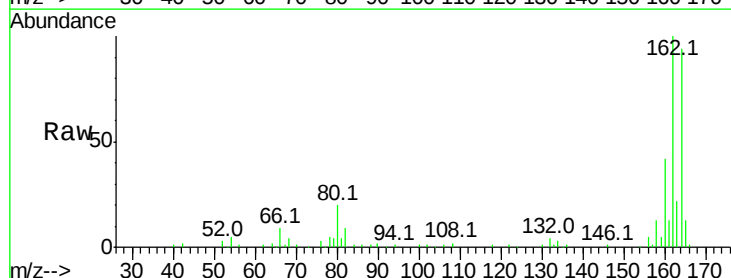
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 24341
 Ion Ratio Lower Upper
 82 100
 128 37.9 34.0 51.0
 54 41.3 42.2 63.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Tgt Ion:164 Resp: 142402
 Ion Ratio Lower Upper
 164 100
 162 105.9 82.6 123.8
 160 44.0 36.2 54.2

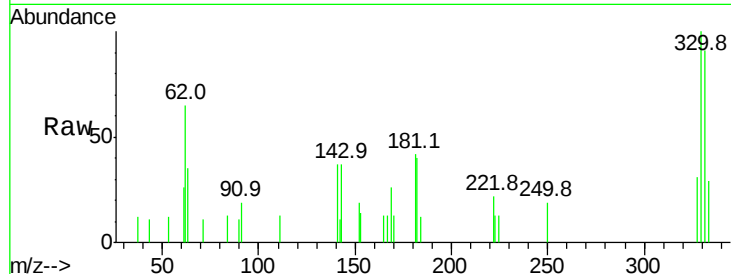




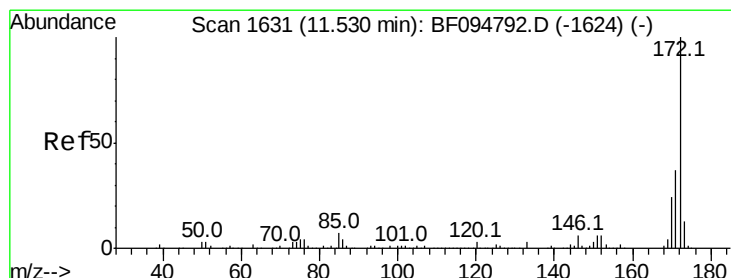
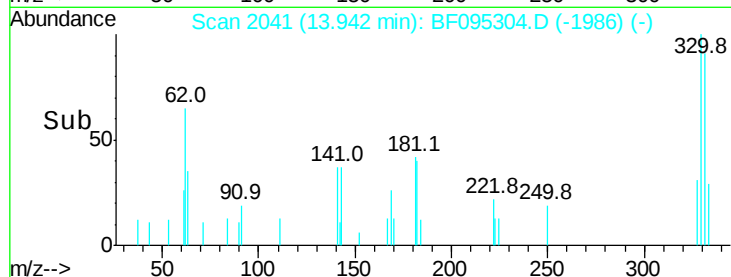
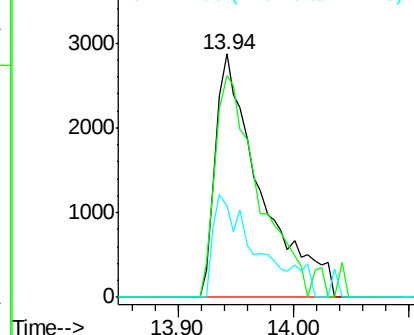
#41
 2,4,6-Tribromophenol
 Concen: 6.70 ng
 RT: 13.94 min Scan# 2041
 Delta R.T. 0.02 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 7819
 Ion Ratio Lower Upper
 330 100
 332 87.6 76.6 115.0
 141 36.6 31.4 47.2

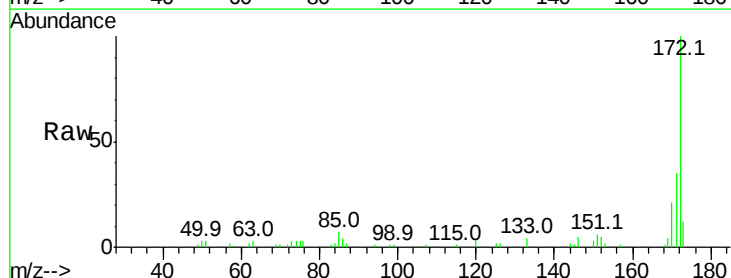


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

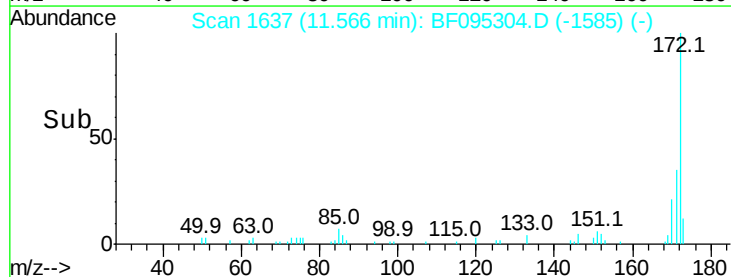
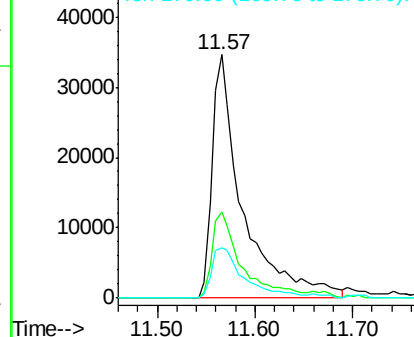


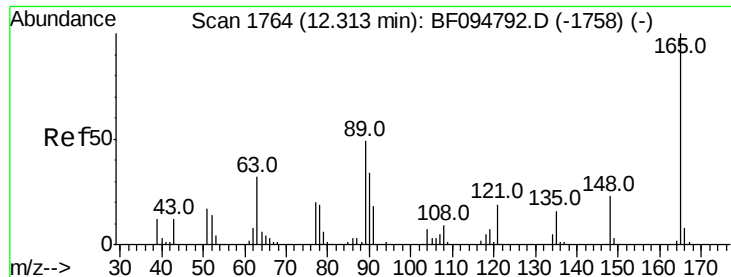
#44
 2-Fluorobiphenyl
 Concen: 7.57 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.01 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Tgt Ion:172 Resp: 74925
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 20.6 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

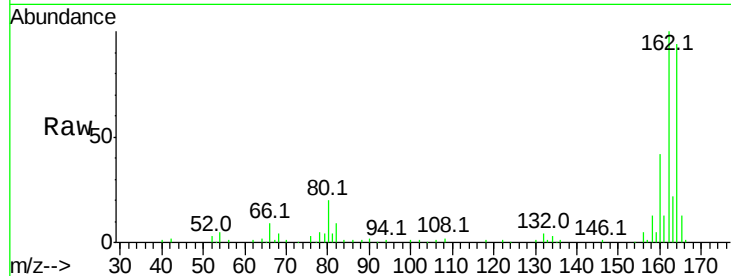




#50
 2,6-Dinitrotoluene
 Concen: 6.10 ng
 RT: 12.61 min Scan# 1815
 Delta R.T. 0.25 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :

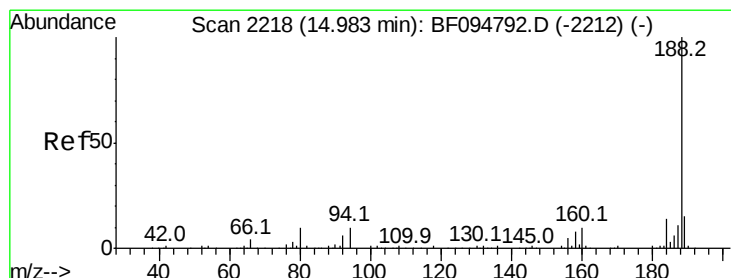
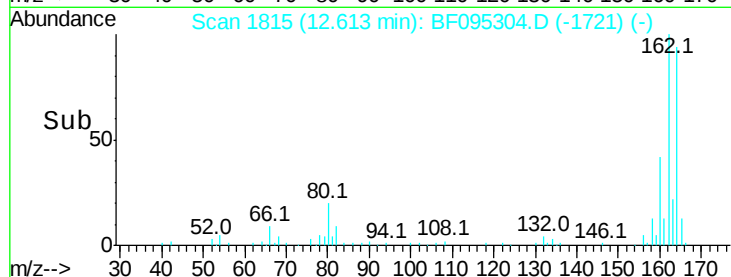
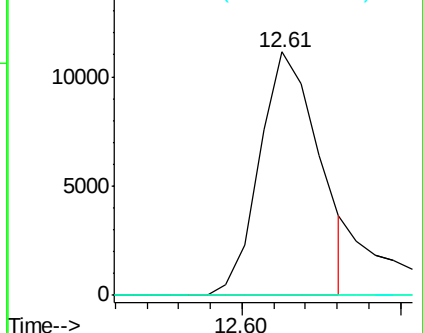
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

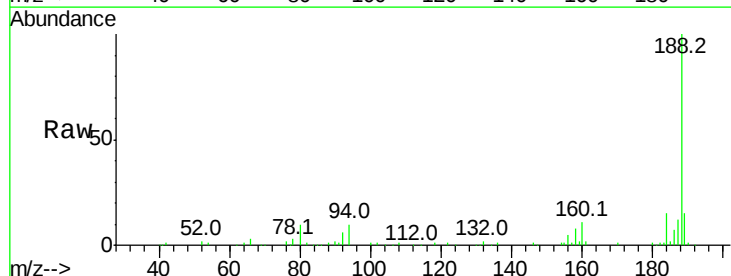
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

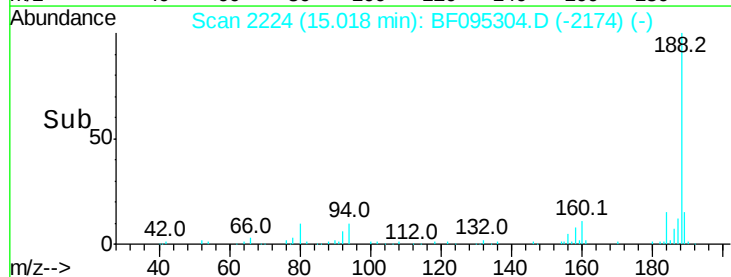
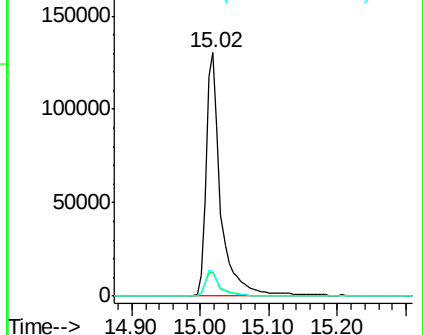
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	9.4	14.2
80	10.3	10.2	15.2

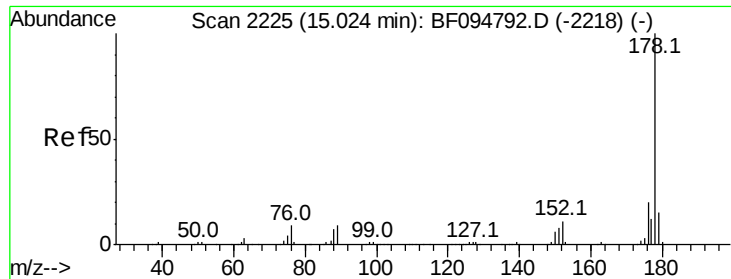


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

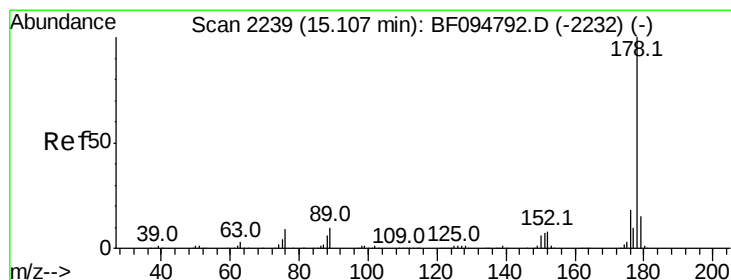
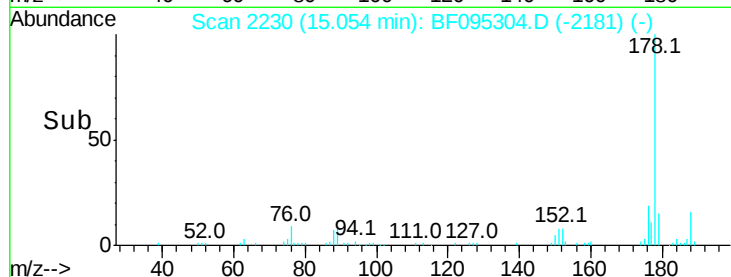
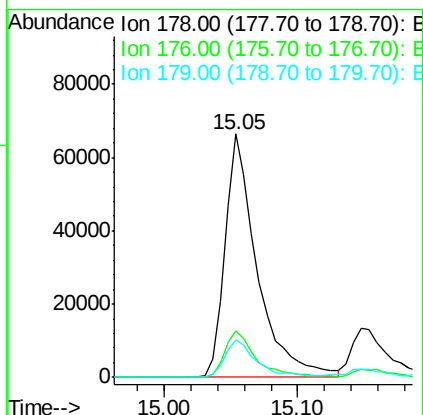
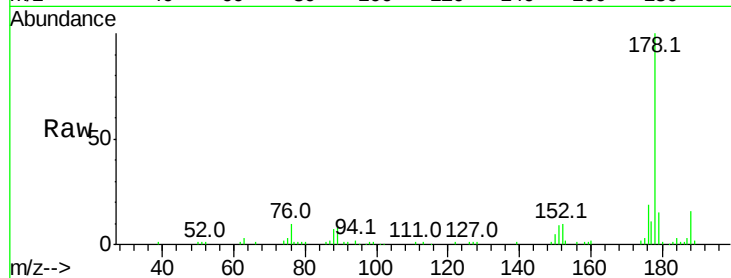




#70
Phenanthrene
Concen: 9.82 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

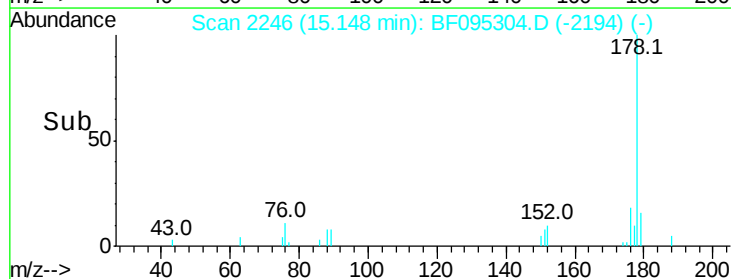
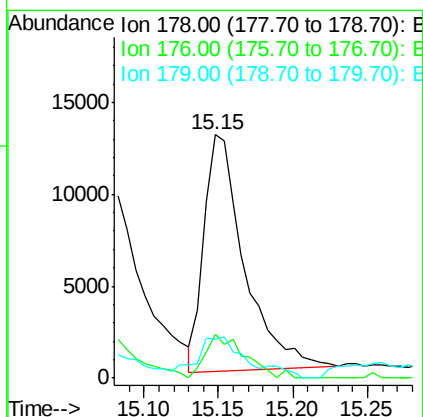
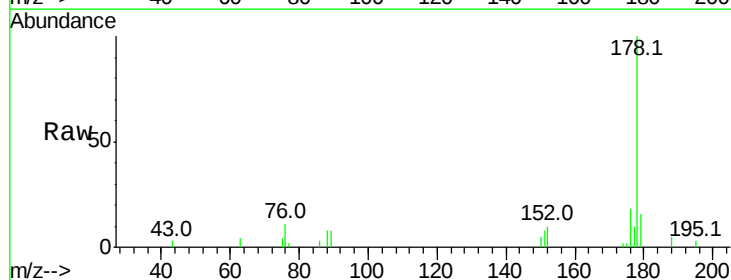
Instrument :
BNA_F
ClientSampleId :

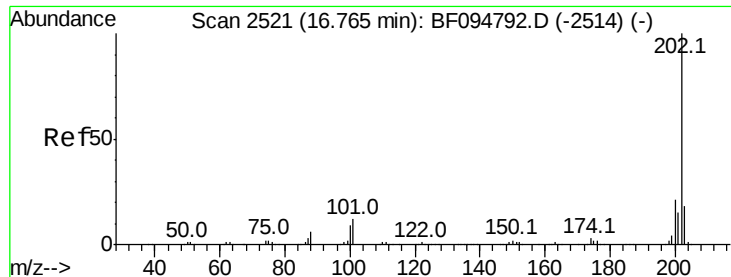
Tot Ion:178 Resp: 111865
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.5 12.6 19.0



#71
Anthracene
Concen: 2.08 ng
RT: 15.15 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

Tgt Ion:178 Resp: 24169
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.8
179 15.8 12.7 19.1

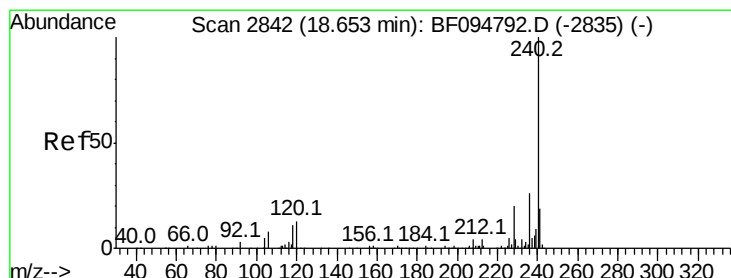
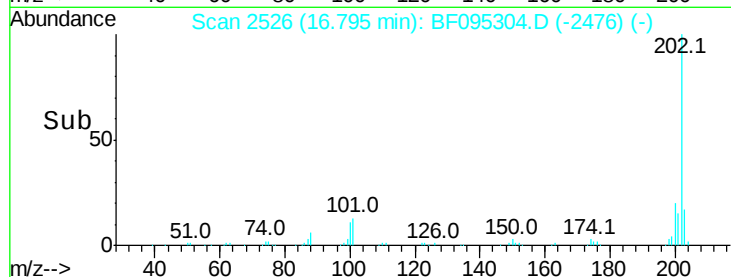
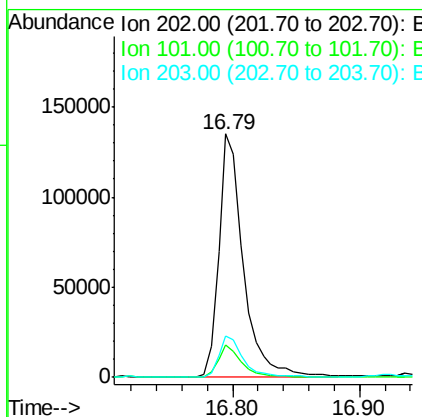
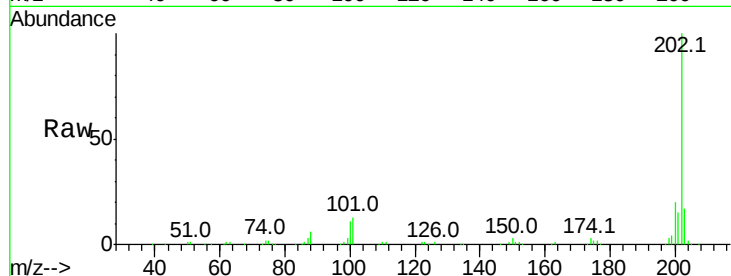




#74
 Fluoranthene
 Concen: 15.64 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

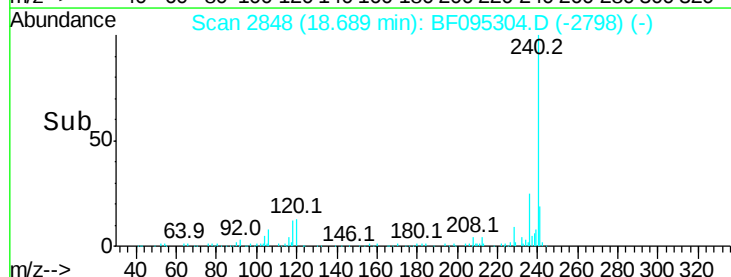
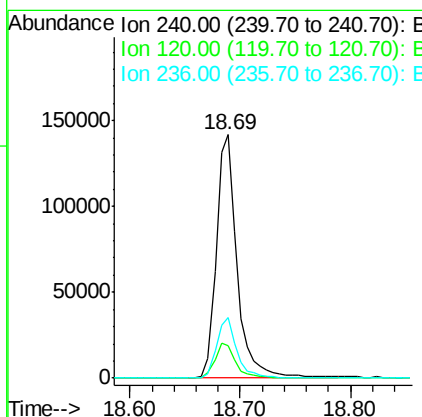
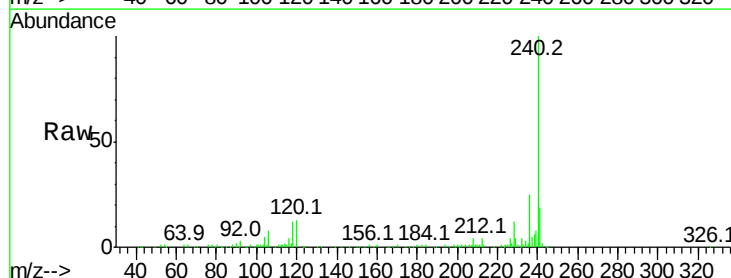
Instrument :
 BNA_F
 ClientSampleId :

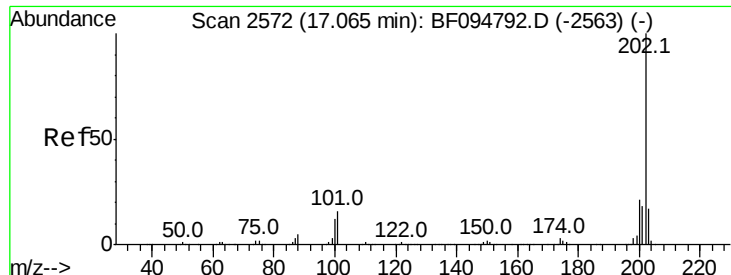
Tot Ion:202 Resp: 182644
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 33.2
 203 17.1 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF095304.D
 Acq: 20 May 2017 14:42

Tgt Ion:240 Resp: 184437
 Ion Ratio Lower Upper
 240 100
 120 13.2 5.8 8.8#
 236 24.7 20.5 30.7





#77

Pvrene

Concen: 11.38 ng

RT: 17.10 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

Instrument :

BNA_F

ClientSampleId :

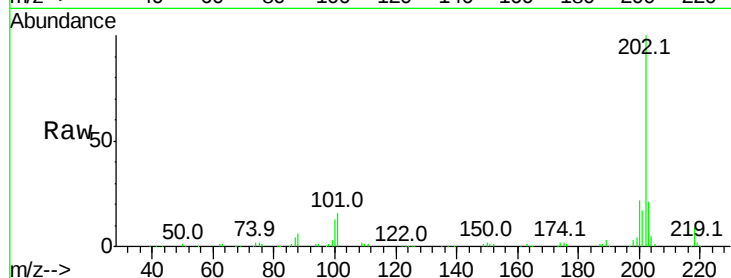
Tot Ion:202 Resp: 156997

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

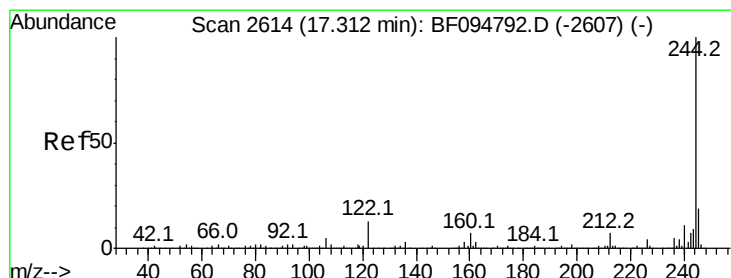
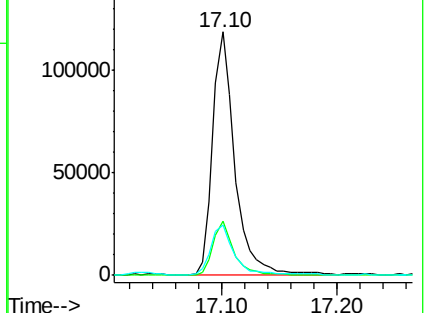
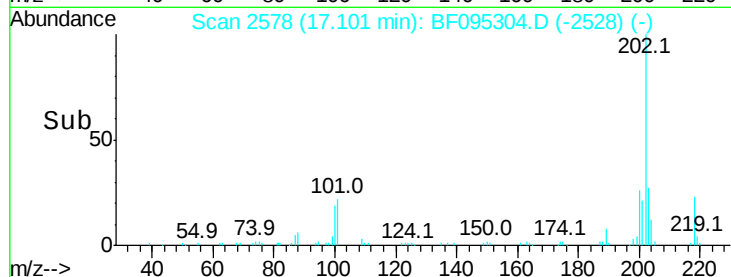
203 20.8 14.4 21.6



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: 5.23 ng

RT: 17.34 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

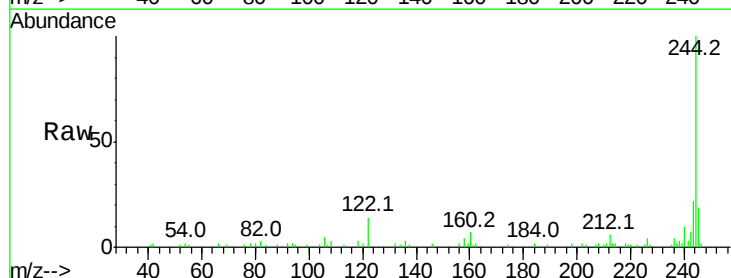
Tgt Ion:244 Resp: 43761

Ion Ratio Lower Upper

244 100

212 5.5 6.0 9.0#

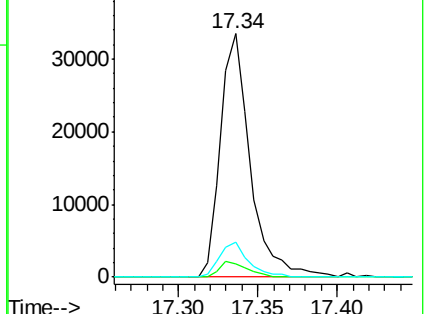
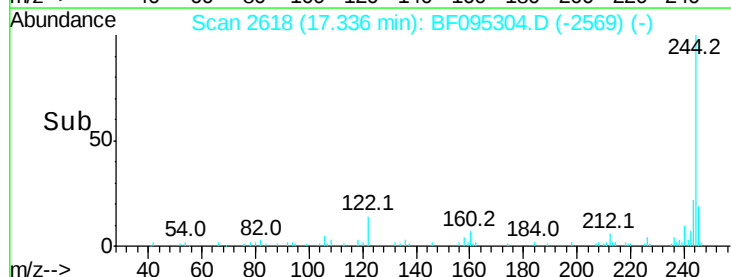
122 14.3 10.3 15.5

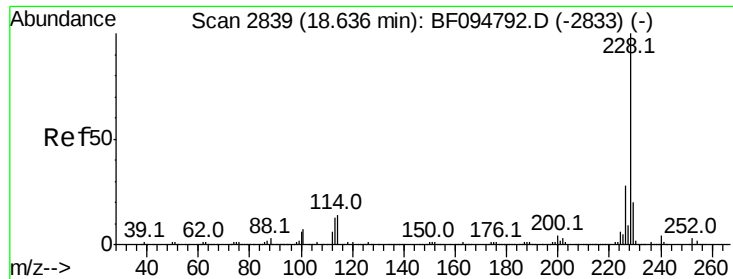


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

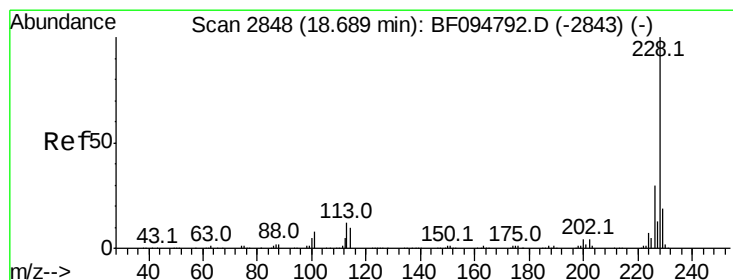
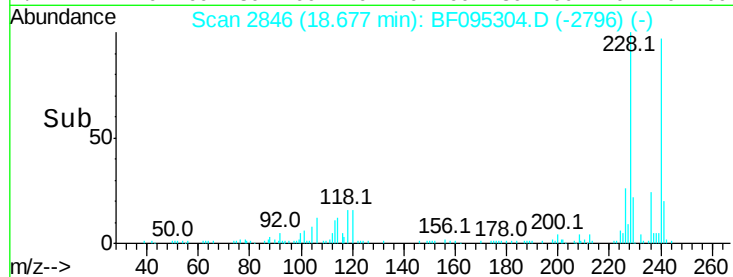
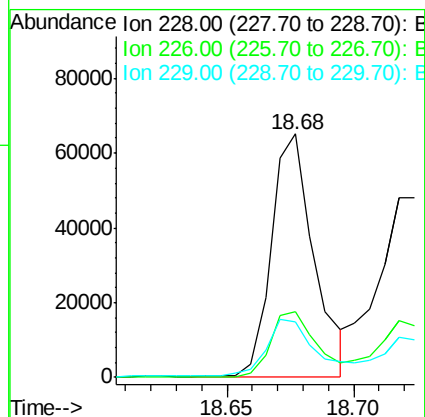
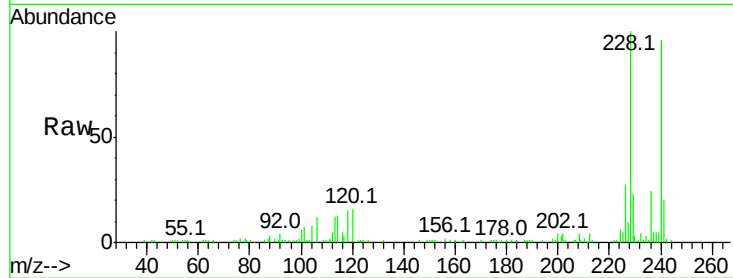




#80
Benzo(a)anthracene
Concen: 7.18 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

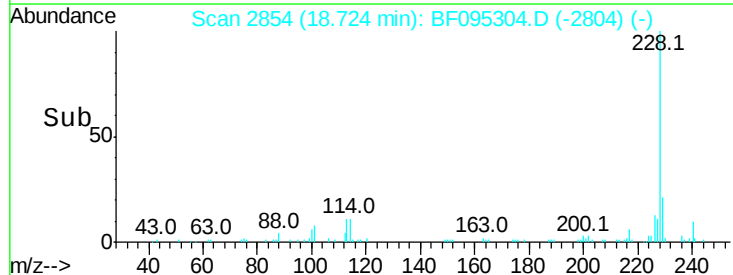
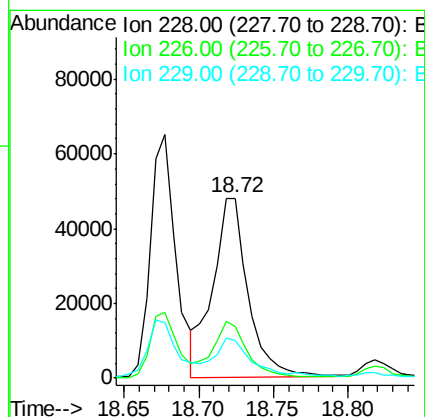
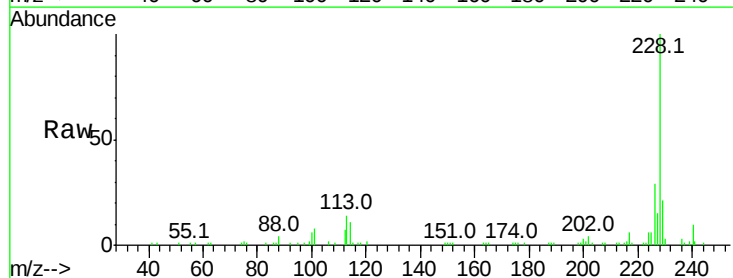
Instrument :
BNA_F
ClientSampleId :

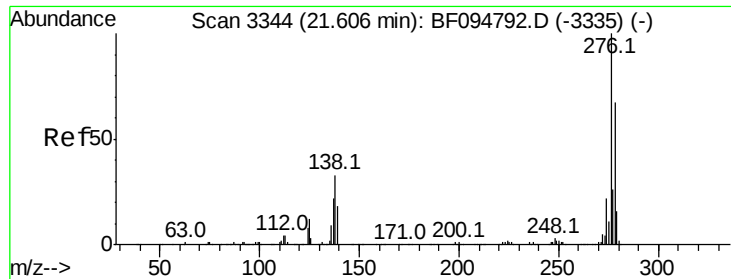
Tot Ion:228 Resp: 77079
Ion Ratio Lower Upper
228 100
226 26.8 22.6 33.8
229 22.8 16.3 24.5



#82
Chrysene
Concen: 7.71 ng
RT: 18.72 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BF095304.D
Acq: 20 May 2017 14:42

Tgt Ion:228 Resp: 79976
Ion Ratio Lower Upper
228 100
226 29.0 24.9 37.3
229 21.0 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.03 ng

RT: 21.71 min Scan# 3362

Delta R.T. 0.01 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

Instrument :

BNA_F

ClientSampleId :

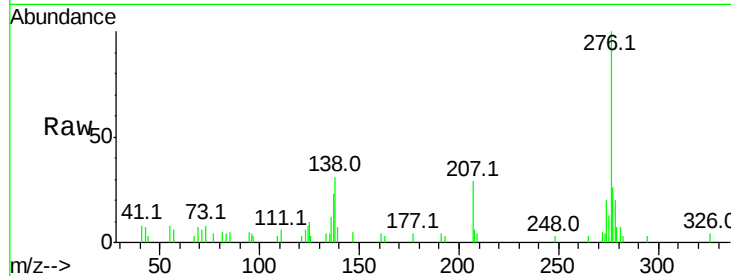
Tot Ion:276 Resp: 25580

Ion Ratio Lower Upper

276 100

138 33.1 27.8 41.6

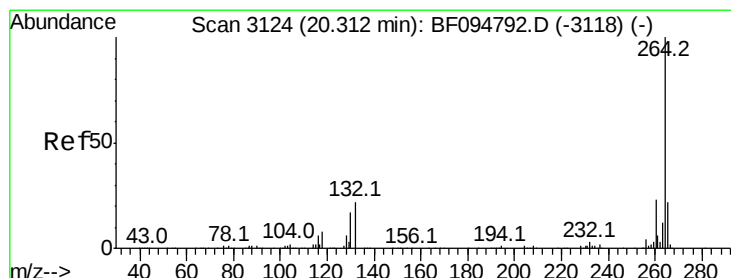
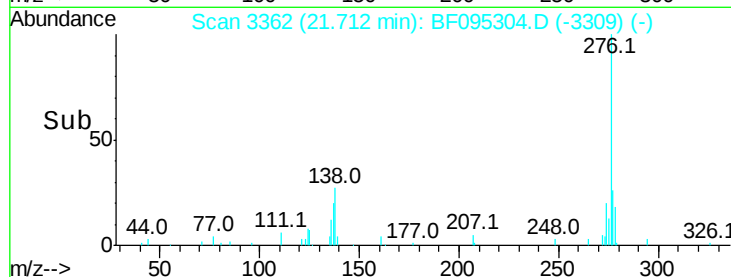
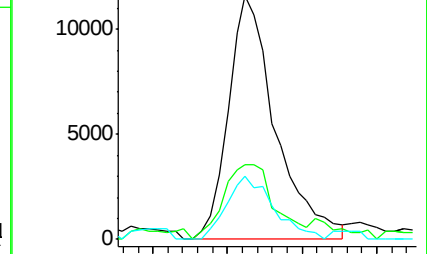
277 25.8 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.37 min Scan# 3133

Delta R.T. 0.00 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

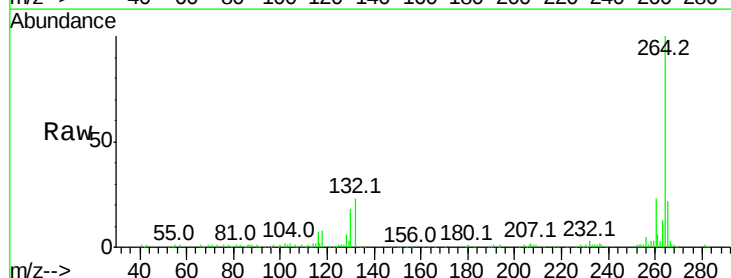
Tgt Ion:264 Resp: 143154

Ion Ratio Lower Upper

264 100

260 22.7 19.5 29.3

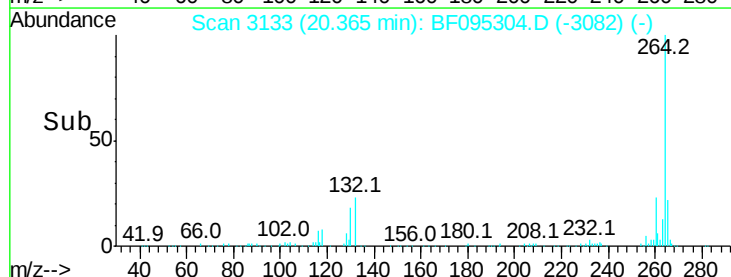
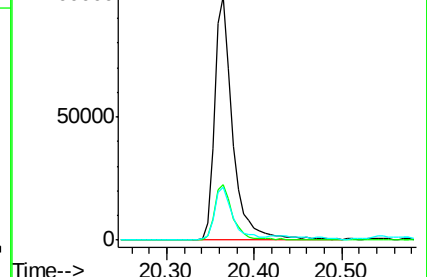
265 21.6 17.2 25.8

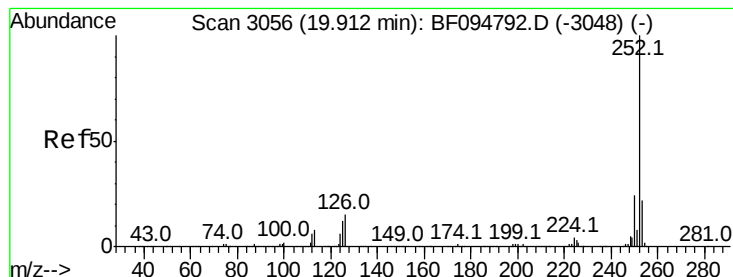


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.61 ng

RT: 19.96 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

Instrument :

BNA_F

ClientSampleId :

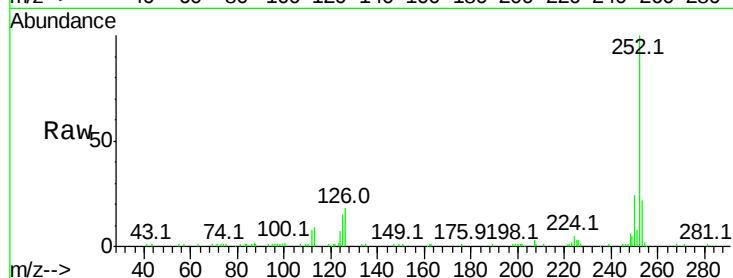
Tot Ion:252 Resp: 120365

Ion Ratio Lower Upper

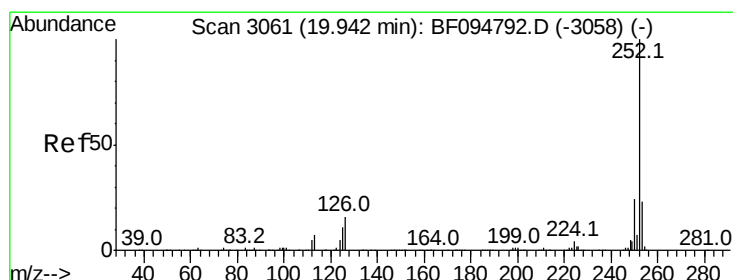
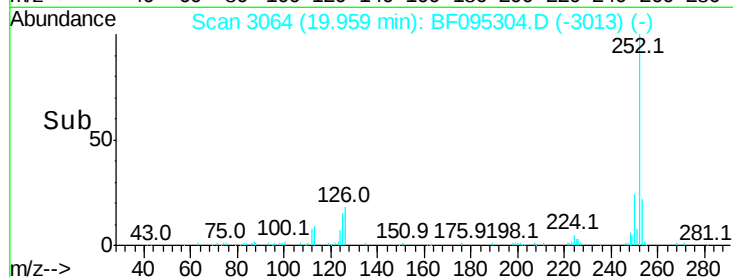
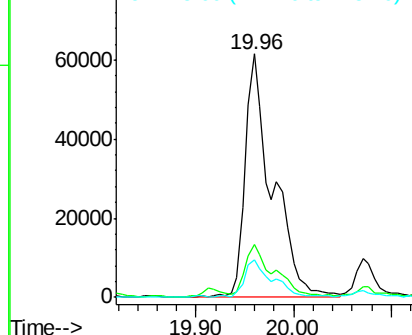
252 100

253 21.6 18.1 27.1

125 15.4 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: 14.11 ng

RT: 19.96 min Scan# 3064

Delta R.T. -0.03 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

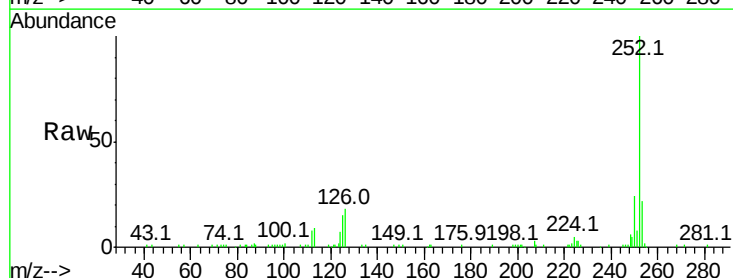
Tgt Ion:252 Resp: 120365

Ion Ratio Lower Upper

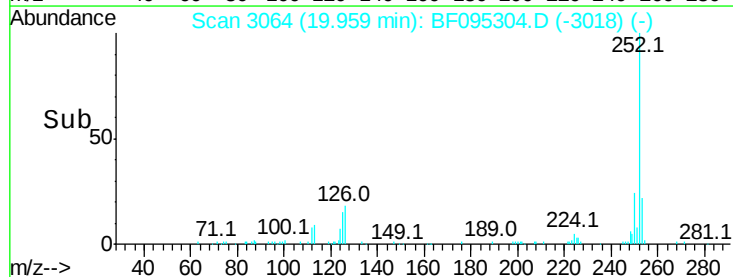
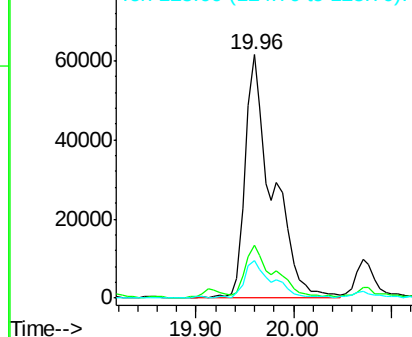
252 100

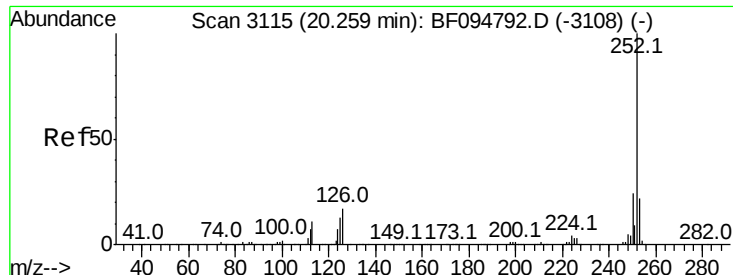
253 21.6 18.4 27.6

125 15.4 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: 6.75 ng

RT: 20.31 min Scan# 3124

Delta R.T. 0.00 min

Lab File: BF095304.D

Acq: 20 May 2017 14:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 55136

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 14.3 11.0 16.4

