

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095389.D
 Acq On : 24 May 2017 15:15
 Operator : SJ/MA
 Sample : I3290-06 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 25 01:44:01 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

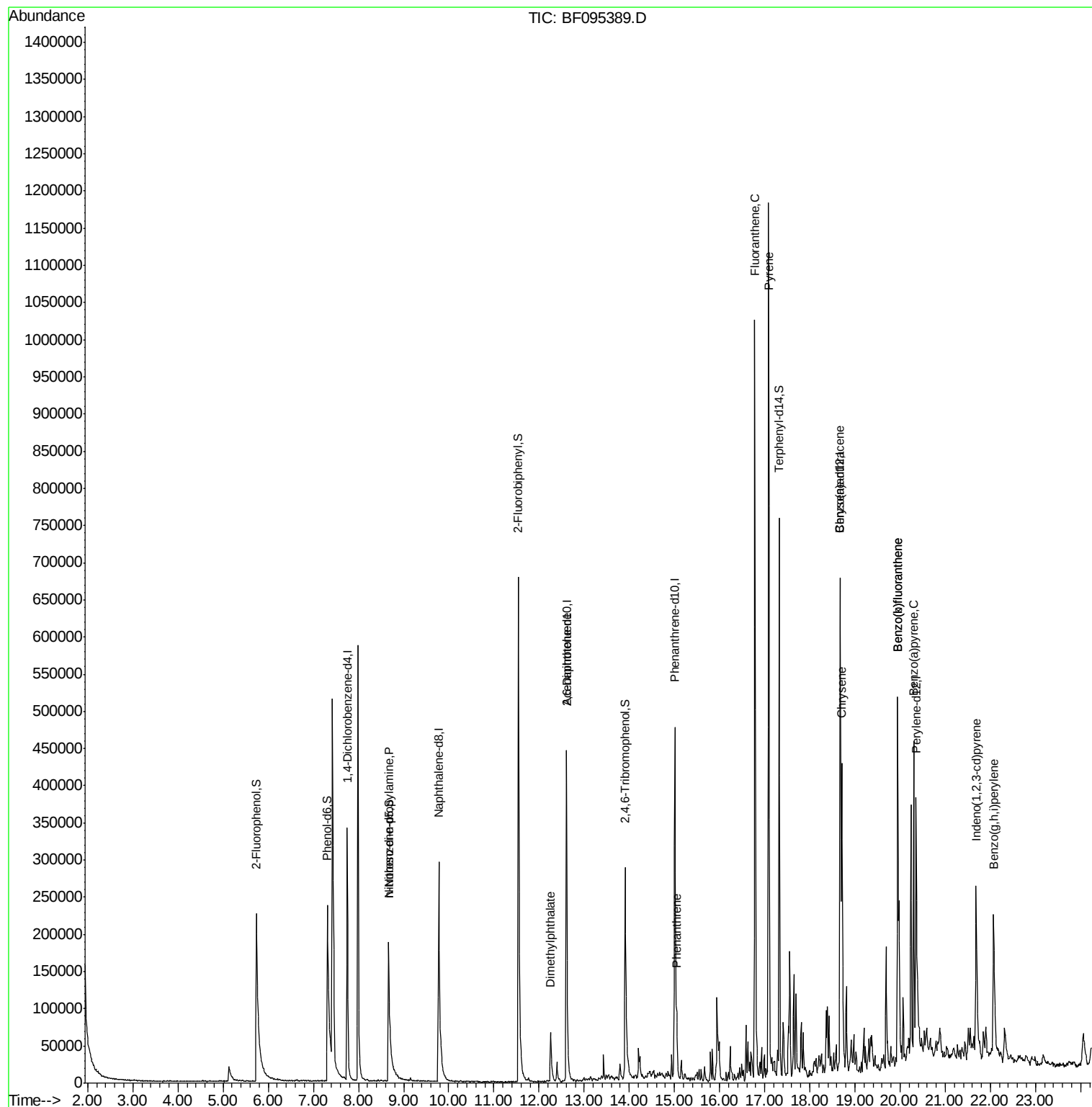
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	88039	20.00	ng	-0.01
21) Naphthalene-d8	9.78	136	378585	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	171413	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	299715	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	185755	20.00	ng	-0.02
86) Perylene-d12	20.35	264	164040	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	257782	48.82	ng	0.00
7) Phenol-d6	7.31	99	325725	51.41	ng	0.00
23) Nitrobenzene-d5	8.67	82	190145	31.67	ng	0.00
41) 2,4,6-Tribromophenol	13.91	330	75058	53.47	ng	-0.01
44) 2-Fluorobiphenyl	11.54	172	449347	37.73	ng	-0.02
78) Terphenyl-d14	17.32	244	312286	37.03	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.67	70	20838	4.86	ng	# 76
49) Dimethylphthalate	12.25	163	68746	4.89	ng	97
50) 2,6-Dinitrotoluene	12.61	165	18718	6.52	ng	# 31
70) Phenanthrene	15.05	178	52893	3.07	ng	98
74) Fluoranthene	16.78	202	585976	33.17	ng	98
77) Pyrene	17.09	202	584366	42.06	ng	97
80) Benzo(a)anthracene	18.67	228	217958	20.16	ng	98
82) Chrysene	18.71	228	243842	23.33	ng	98
85) Indeno(1,2,3-cd)pyrene	21.69	276	166674	19.63	ng	# 91
87) Benzo(b)fluoranthene	19.95	252	375952	37.09	ng	98
88) Benzo(k)fluoranthene	19.95	252	375952	38.45	ng	98
89) Benzo(a)pyrene	20.30	252	205913	22.02	ng	99
91) Benzo(a,h,i)perylene	22.07	276	173110	22.84	ng	98

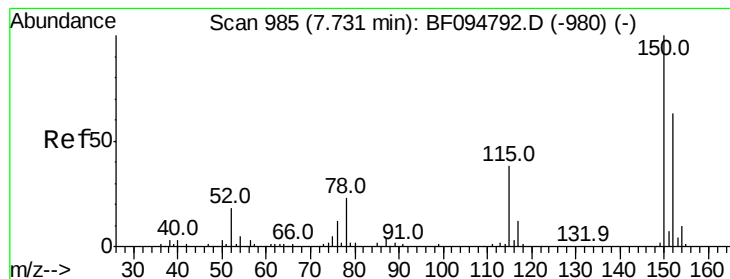
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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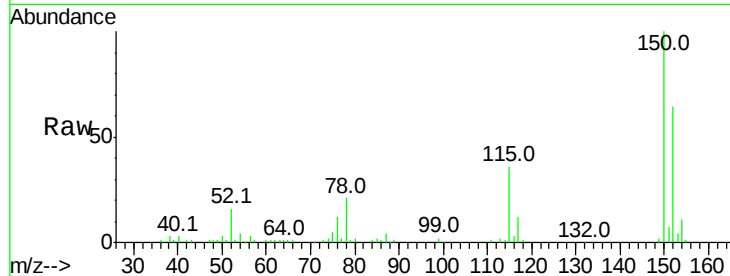


#1

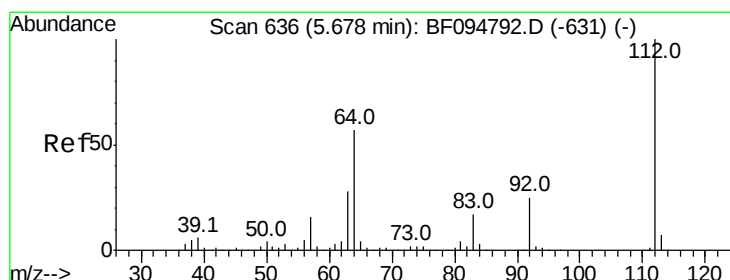
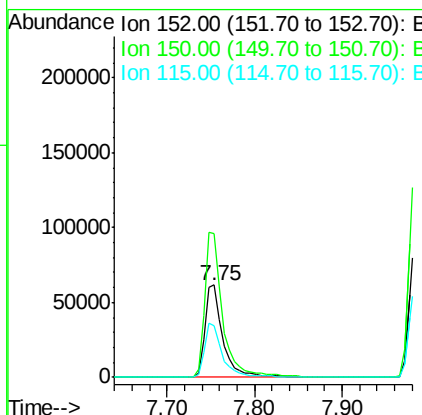
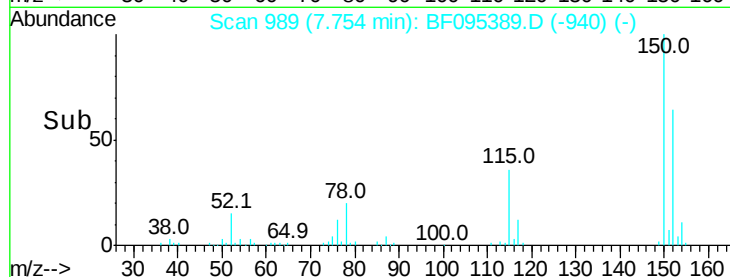
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 88039
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.2
115 56.6 52.2 78.2



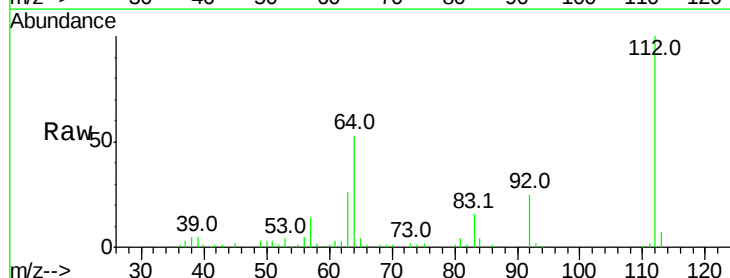
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



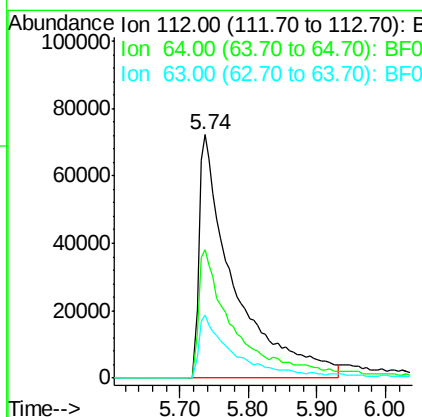
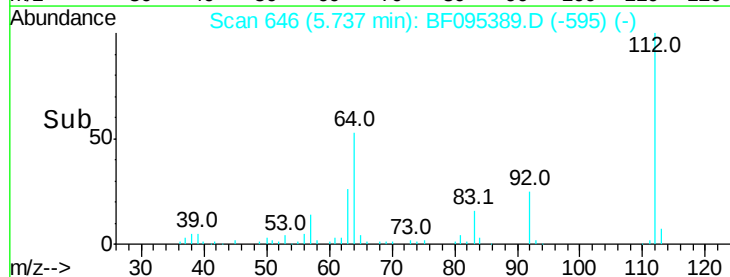
#5

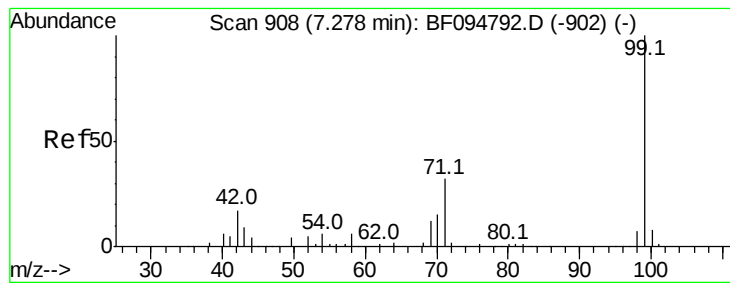
2-Fluorophenol
Concen: 48.82 ng
RT: 5.74 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Tgt Ion:112 Resp: 257782
Ion Ratio Lower Upper
112 100
64 52.7 46.0 69.0
63 25.8 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: 51.41 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Instrument :

BNA_F

ClientSampleId :

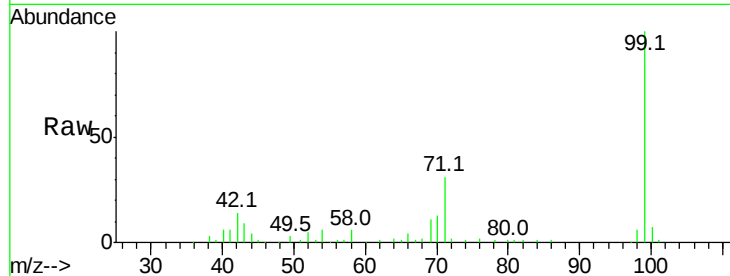
Tot Ion: 99 Resp: 325725

Ion Ratio Lower Upper

99 100

42 14.4 13.5 20.3

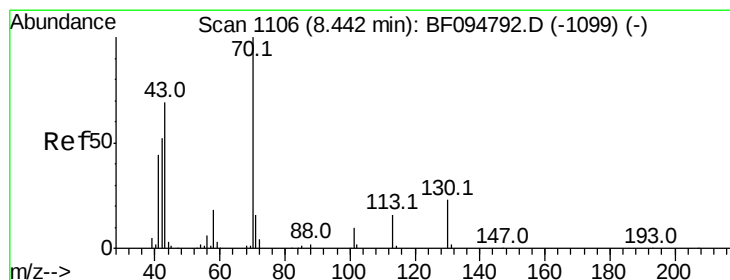
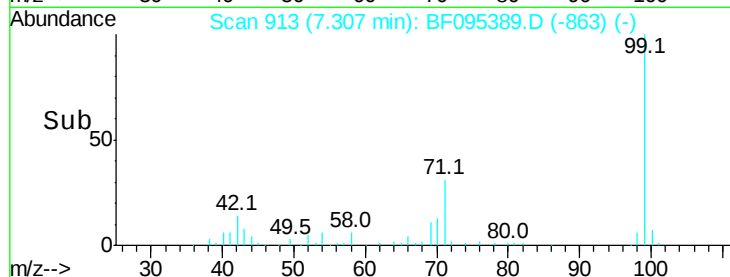
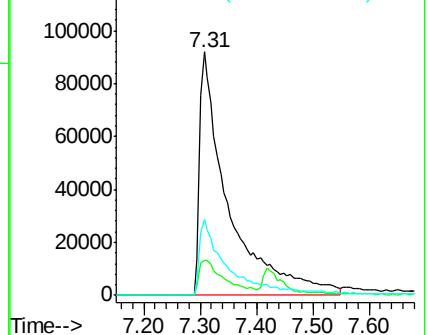
71 31.3 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.86 ng

RT: 8.67 min Scan# 1144

Delta R.T. 0.19 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Tgt Ion: 70 Resp: 20838

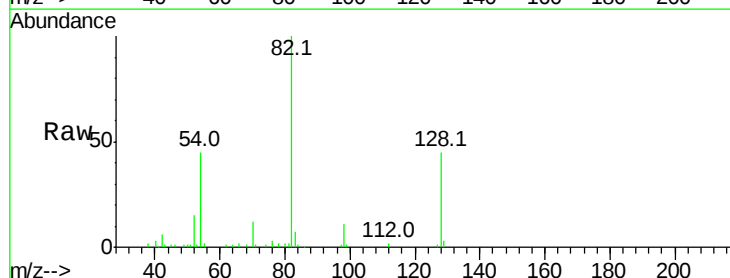
Ion Ratio Lower Upper

70 100

42 45.9 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

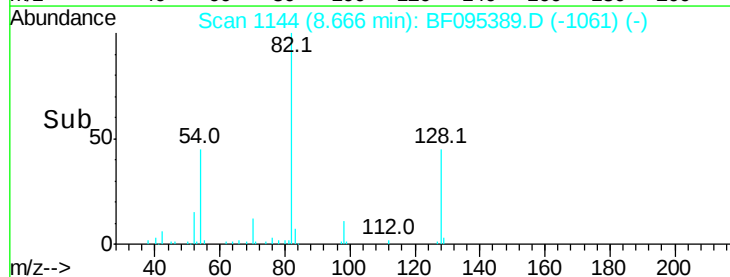
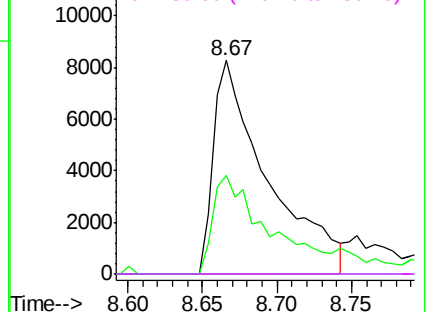


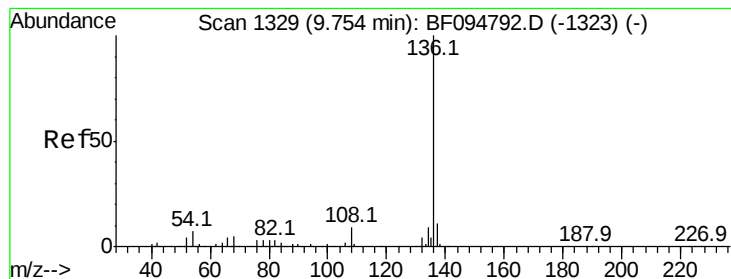
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 378585

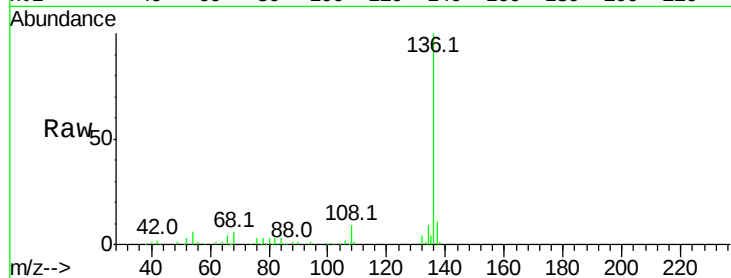
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.4 4.9 7.3

68 5.8 4.1 6.1

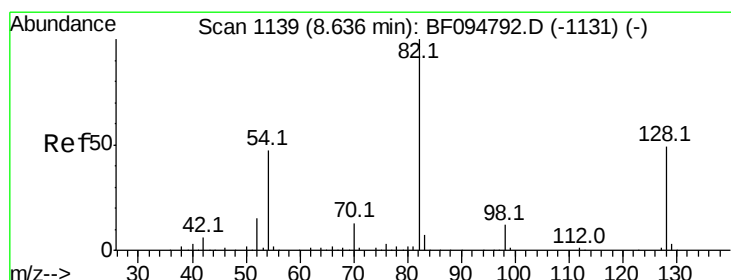
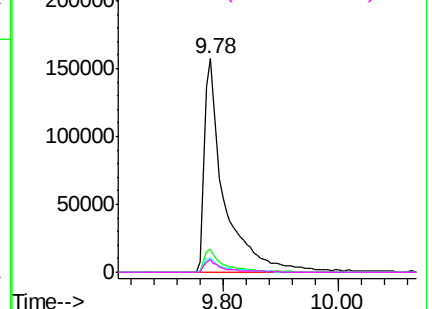
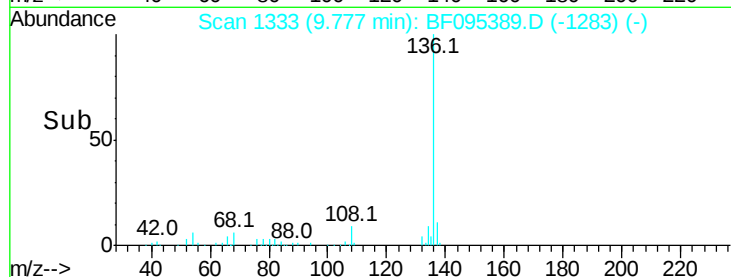


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.67 ng

RT: 8.67 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

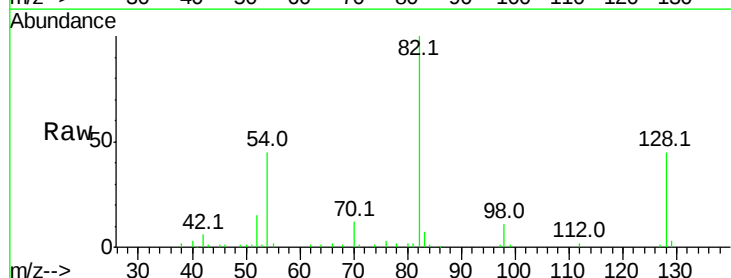
Tgt Ion: 82 Resp: 190145

Ion Ratio Lower Upper

82 100

128 44.9 34.0 51.0

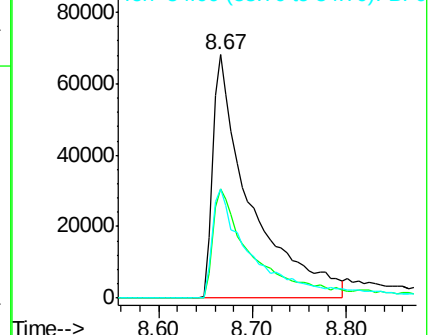
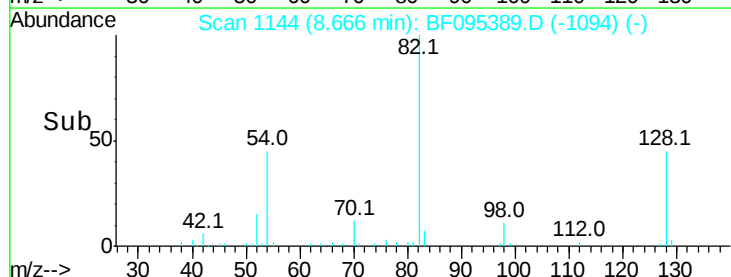
54 44.7 42.2 63.2

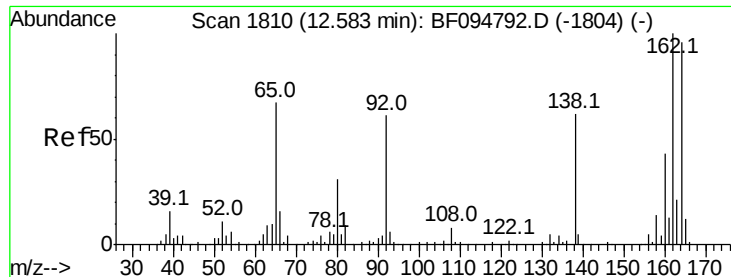


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.61 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Instrument :

BNA_F

ClientSampleId :

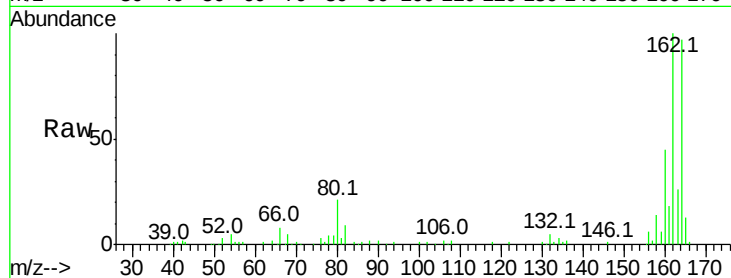
Tot Ion:164 Resp: 171413

Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

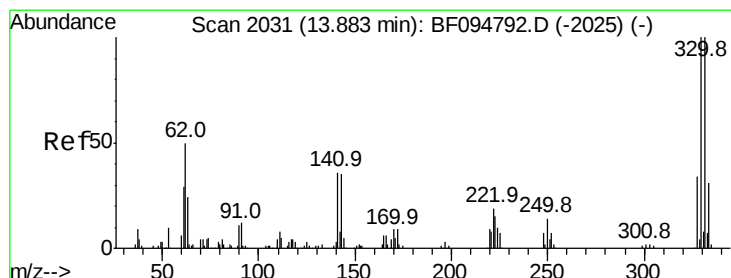
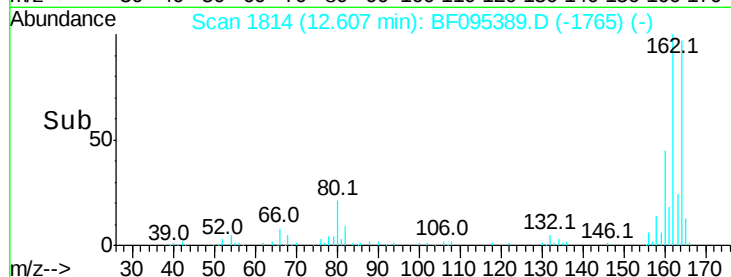
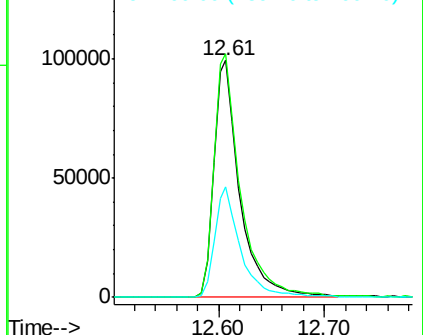
160 46.5 36.2 54.2



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: 53.47 ng

RT: 13.91 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

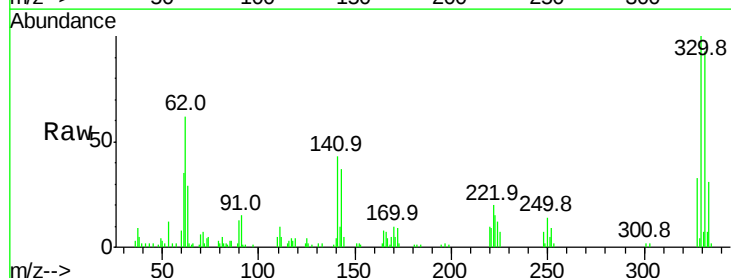
Tgt Ion:330 Resp: 75058

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

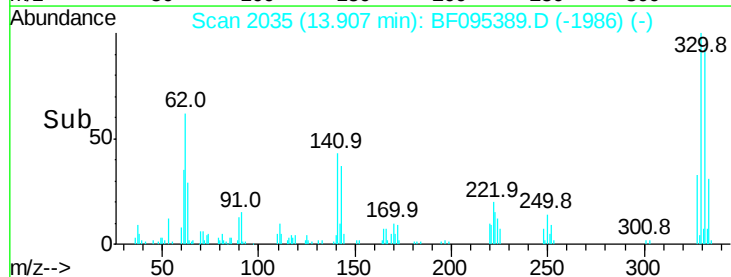
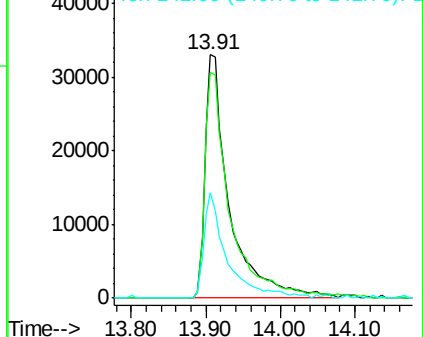
141 40.5 31.4 47.2

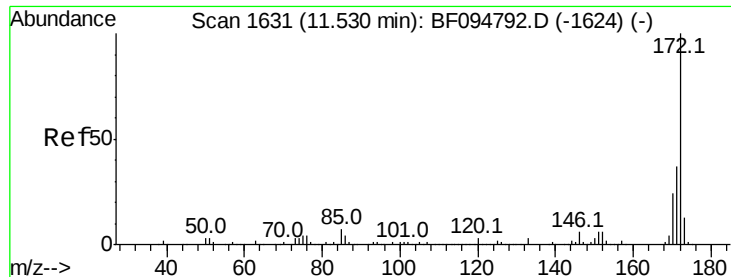


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

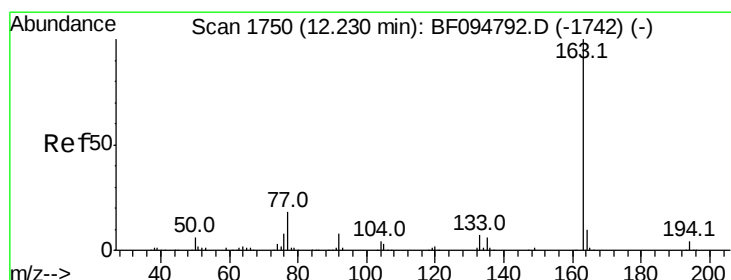
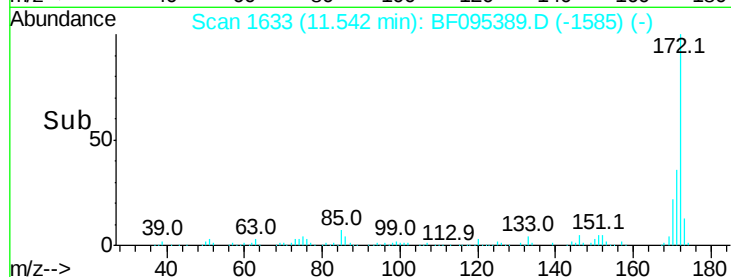
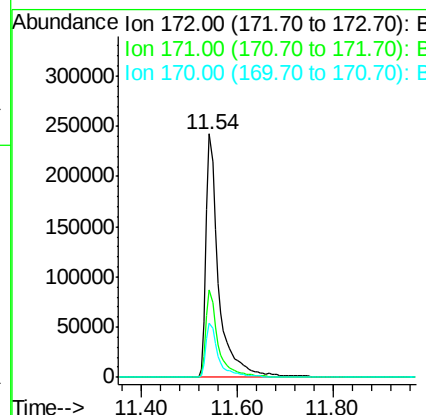
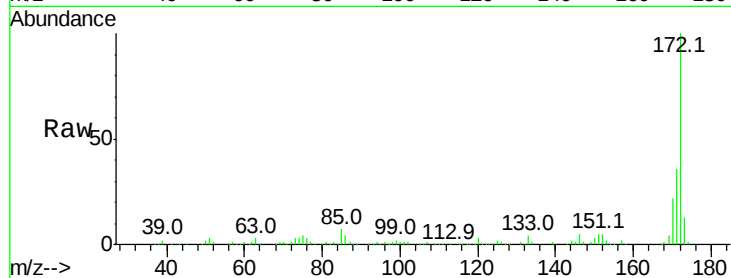




#44
2-Fluorobiphenyl
Concen: 37.73 ng
RT: 11.54 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

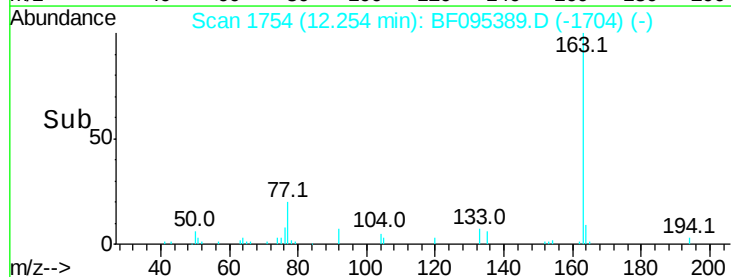
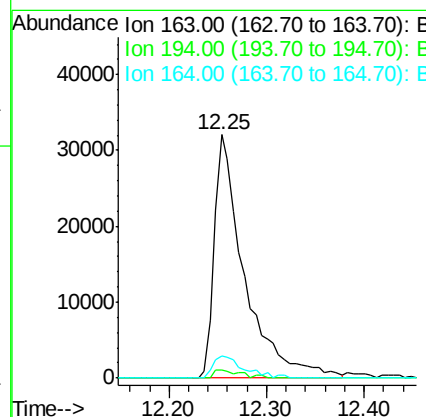
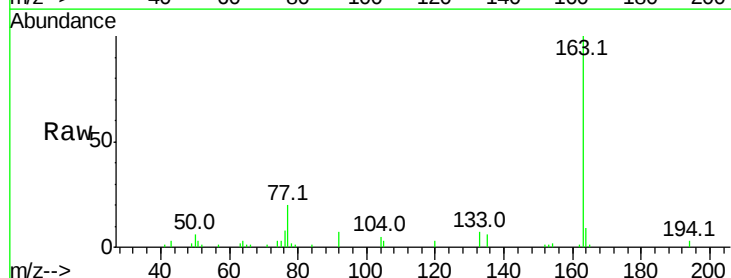
Instrument :
BNA_F
ClientSampleId :

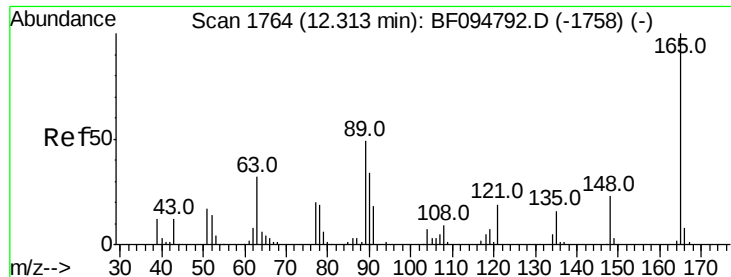
Tot Ion:172 Resp: 449347
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 22.1 19.8 29.8



#49
Dimethylphthalate
Concen: 4.89 ng
RT: 12.25 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Tgt Ion:163 Resp: 68746
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.0 8.4 12.6

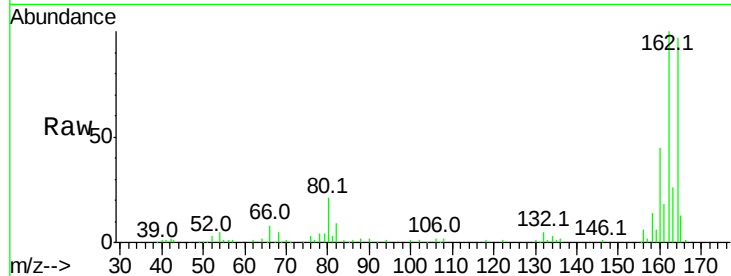




#50
 2,6-Dinitrotoluene
 Concen: 6.52 ng
 RT: 12.61 min Scan# 1814
 Delta R.T. 0.25 min
 Lab File: BF095389.D
 Acq: 24 May 2017 15:15

Instrument :
 BNA_F
 ClientSampleId :

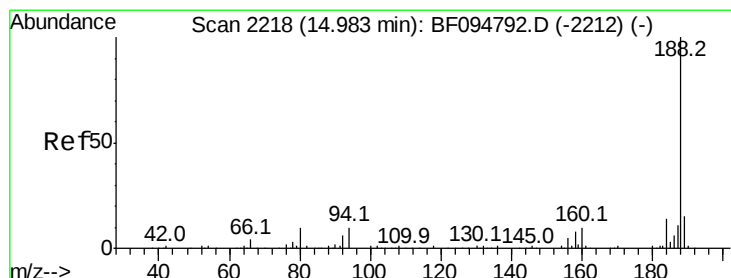
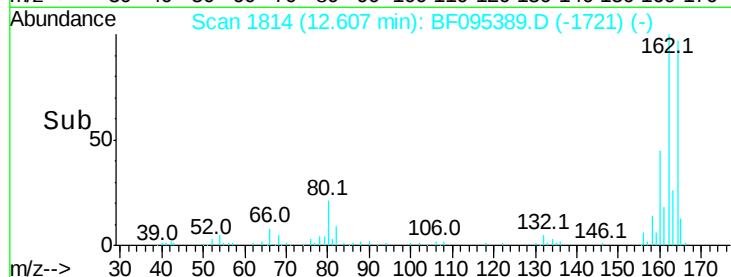
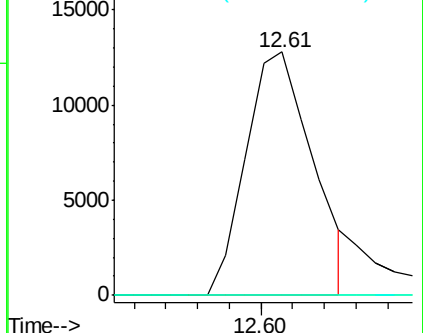
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

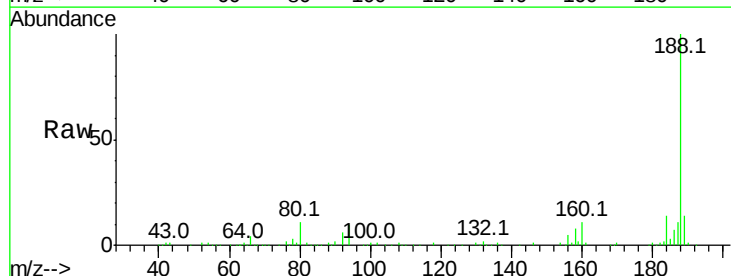
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF095389.D
 Acq: 24 May 2017 15:15

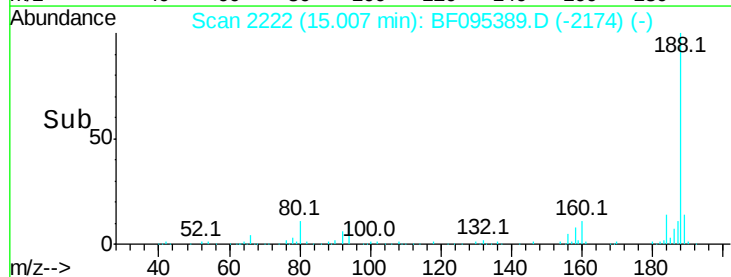
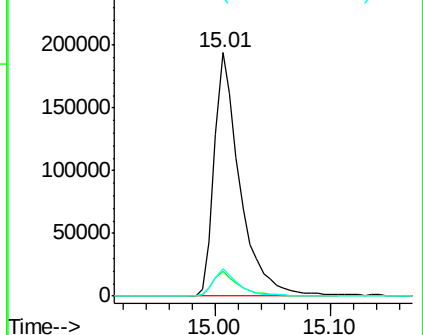
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.2
80	11.2	10.2	15.2

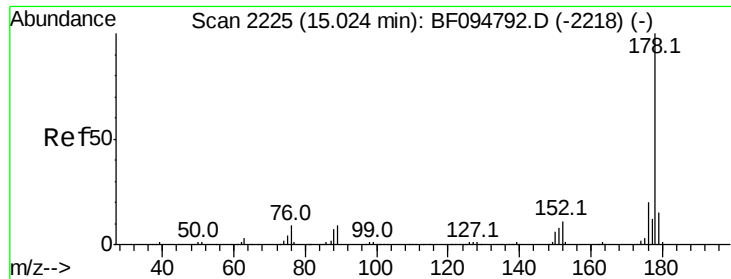


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

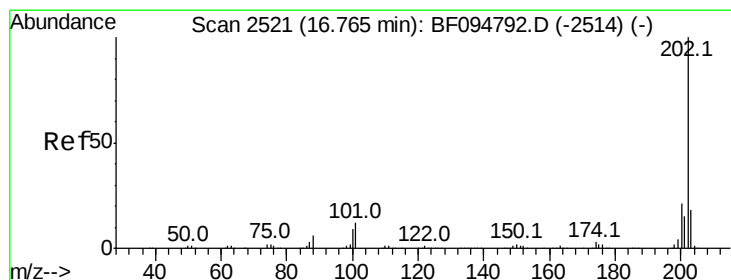
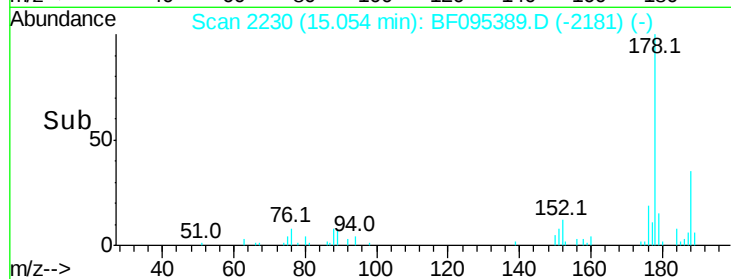
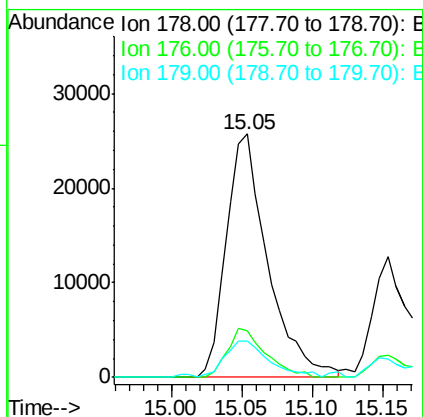
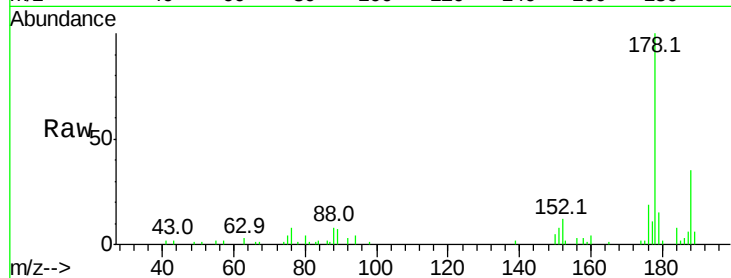




#70
Phenanthrene
Concen: 3.07 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

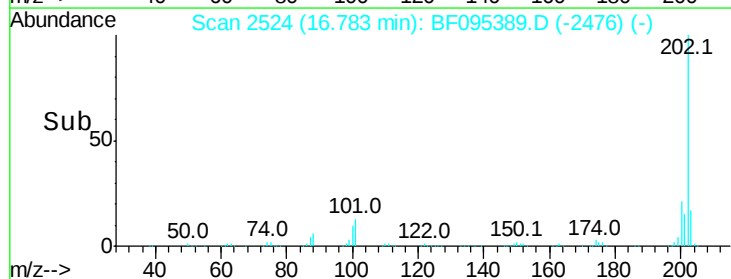
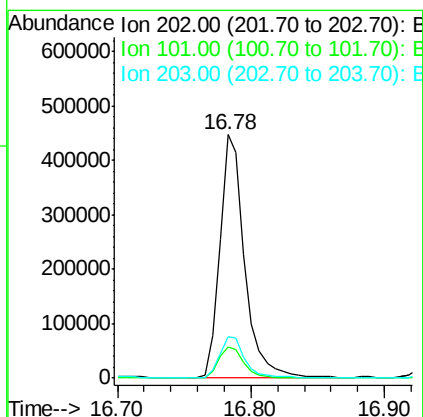
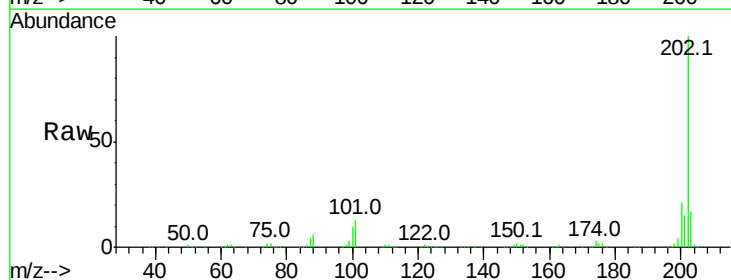
Instrument :
BNA_F
ClientSampleId :

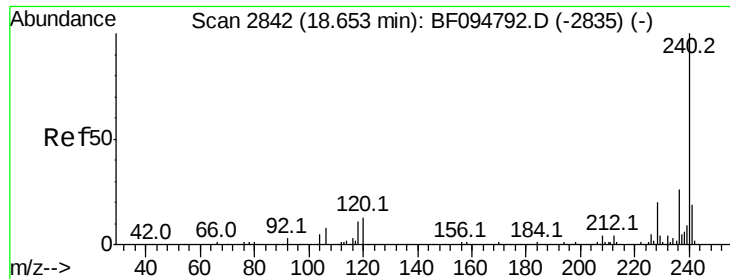
Tot Ion:178 Resp: 52893
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 14.7 12.6 19.0



#74
Fluoranthene
Concen: 33.17 ng
RT: 16.78 min Scan# 2524
Delta R.T. -0.02 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Tgt Ion:202 Resp: 585976
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.2
203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Instrument :

BNA_F

ClientSampleId :

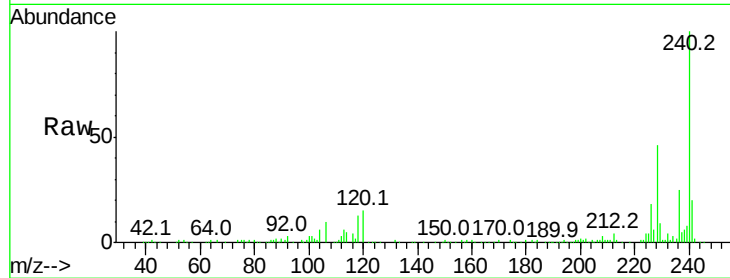
Tot Ion:240 Resp: 185755

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

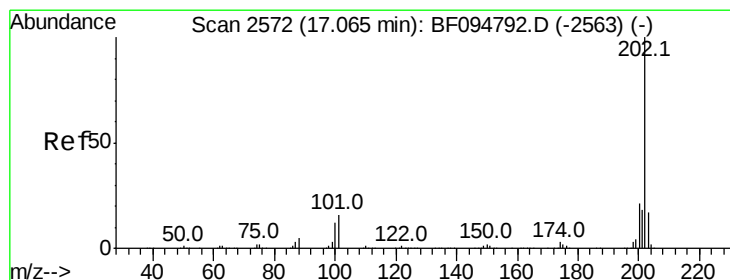
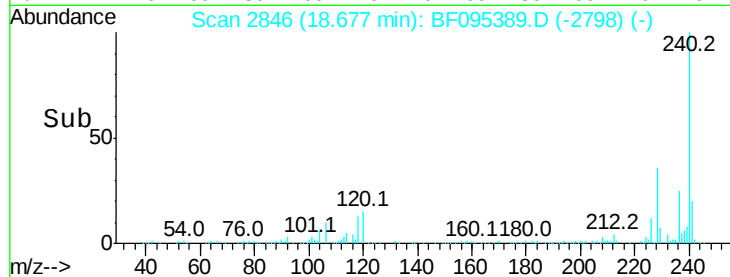
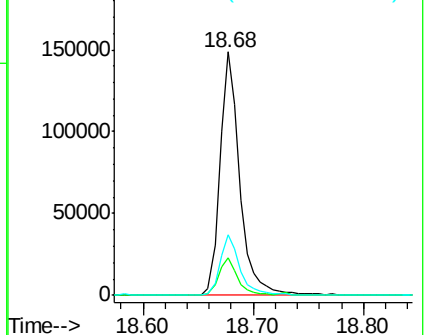
236 24.9 20.5 30.7



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

Pyrene

Concen: 42.06 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

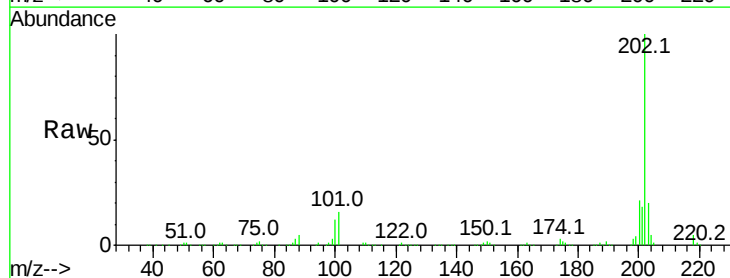
Tgt Ion:202 Resp: 584366

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

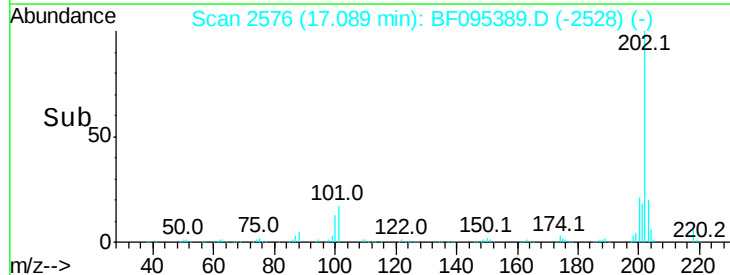
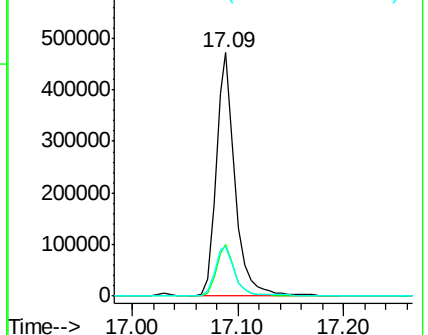
203 20.0 14.4 21.6

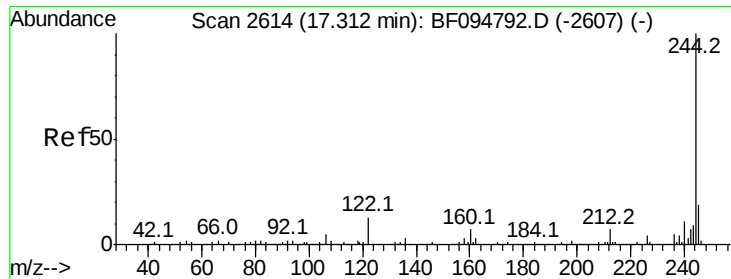


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

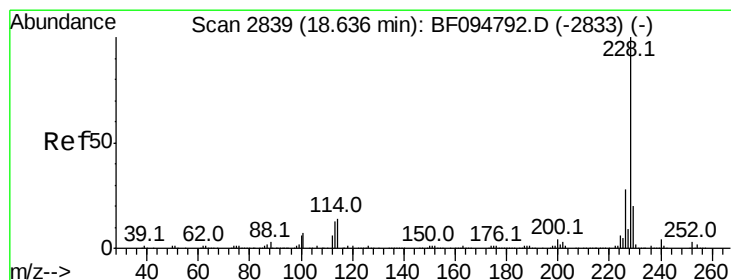
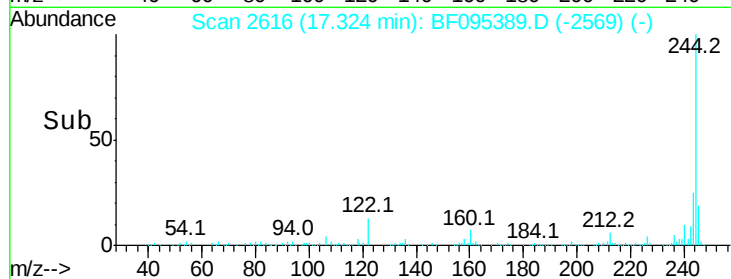
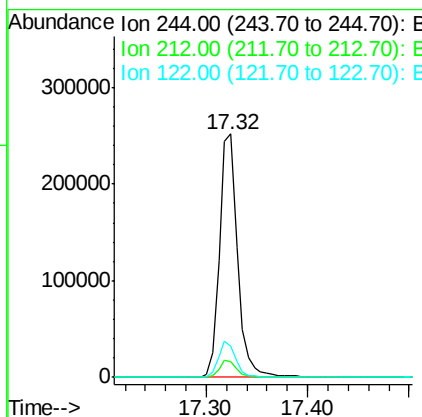
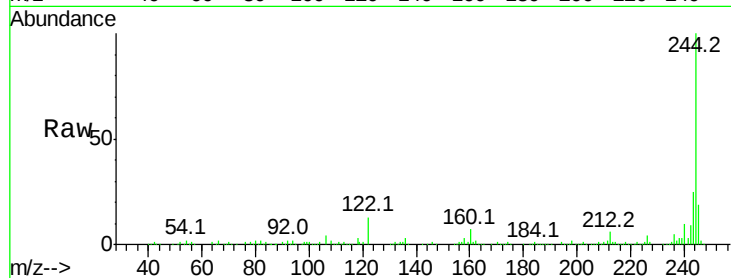




#78
 Terphenyl-d14
 Concen: 37.03 ng
 RT: 17.32 min Scan# 2616
 Delta R.T. -0.02 min
 Lab File: BF095389.D
 Acq: 24 May 2017 15:15

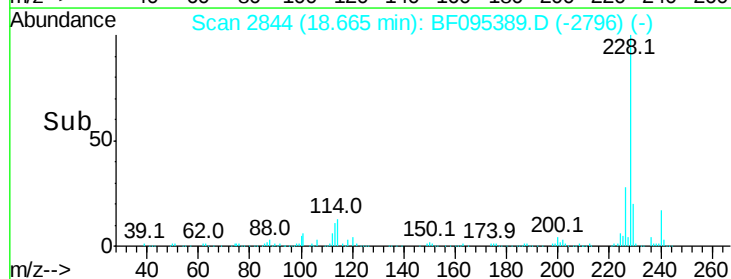
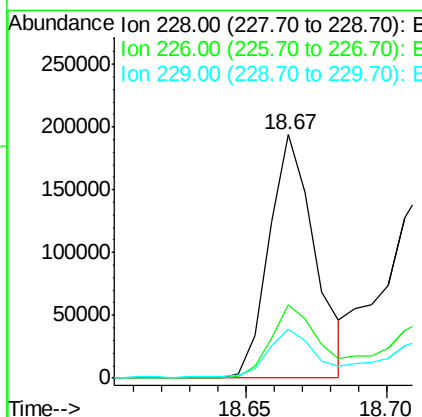
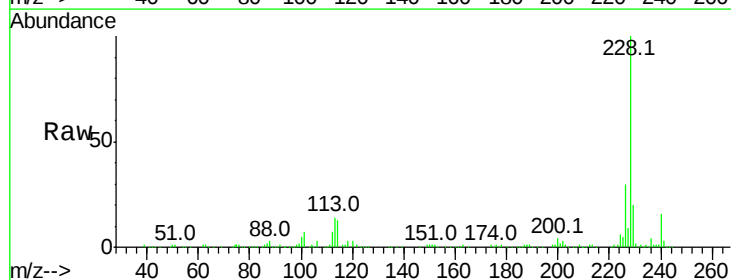
Instrument :
 BNA_F
 ClientSampleId :

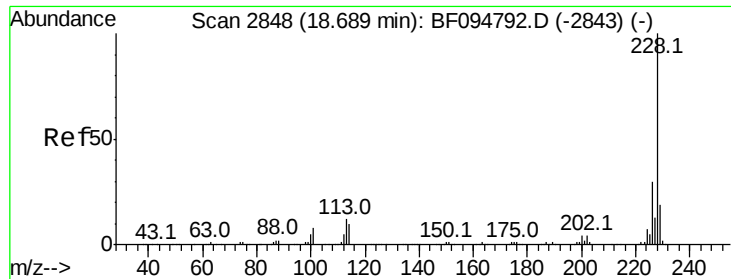
Tot Ion:244 Resp: 312286
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 12.6 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 20.16 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. -0.02 min
 Lab File: BF095389.D
 Acq: 24 May 2017 15:15

Tgt Ion:228 Resp: 217958
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.6 33.8
 229 20.1 16.3 24.5





#82

Chrysene

Concen: 23.33 ng

RT: 18.71 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Instrument :

BNA_F

ClientSampleId :

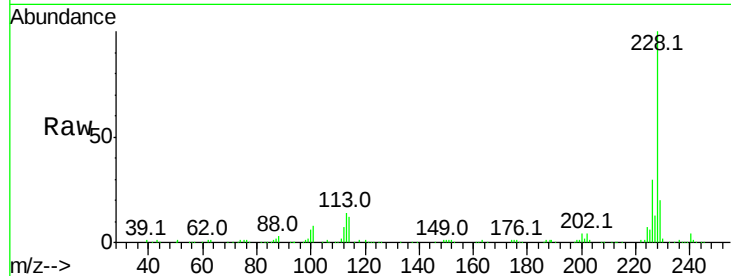
Tot Ion:228 Resp: 243842

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

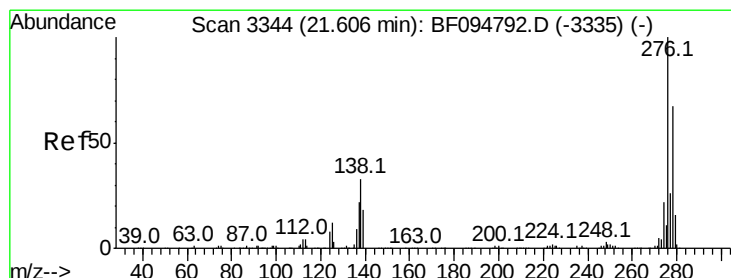
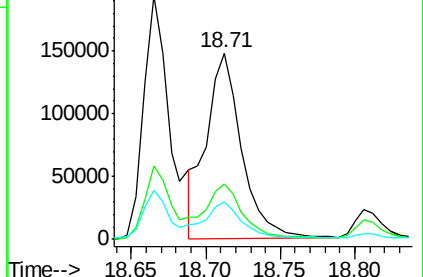
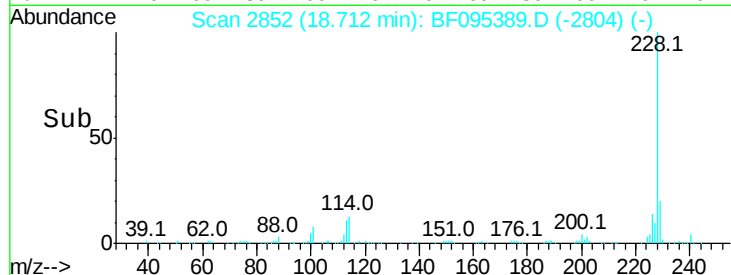
229 20.5 15.8 23.6



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: 19.63 ng

RT: 21.69 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

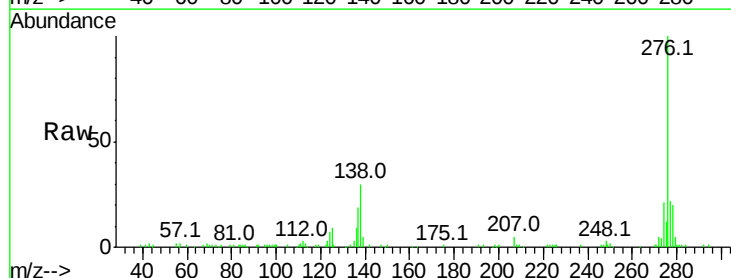
Tgt Ion:276 Resp: 166674

Ion Ratio Lower Upper

276 100

138 27.4 27.8 41.6#

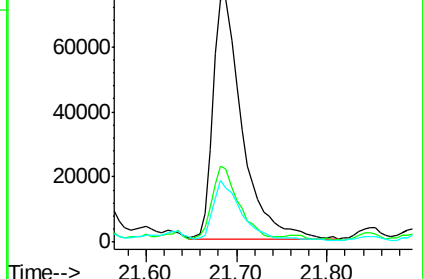
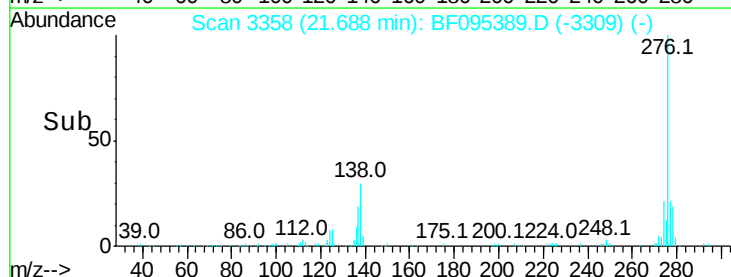
277 23.3 20.2 30.4

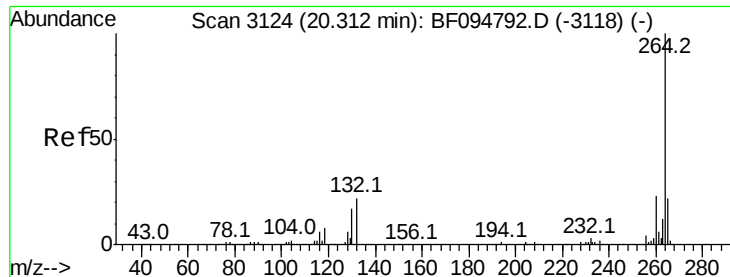


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



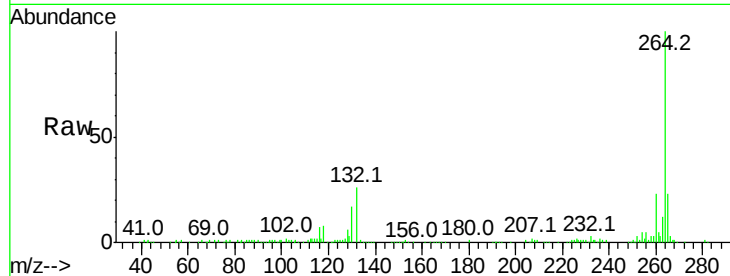


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

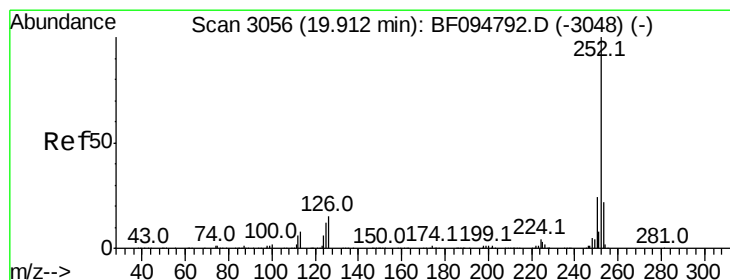
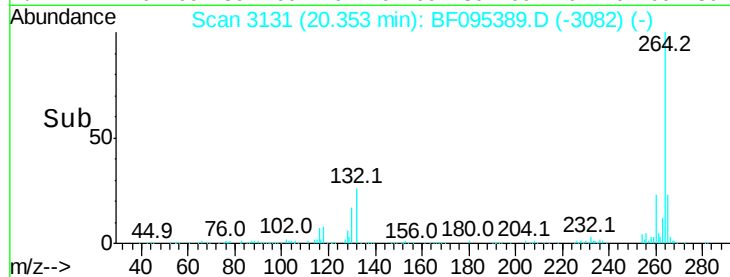
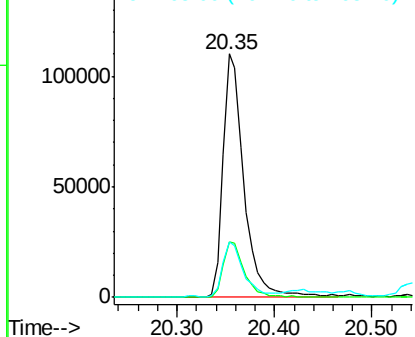
Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 164040

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	22.9	17.2	25.8



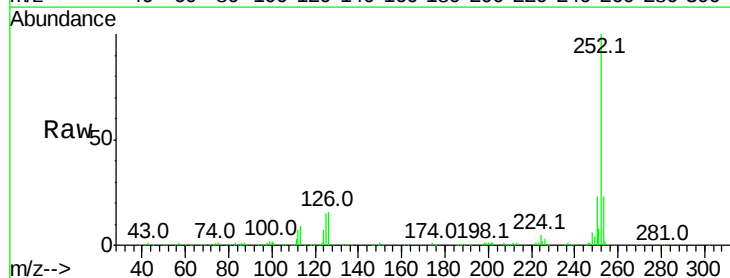
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



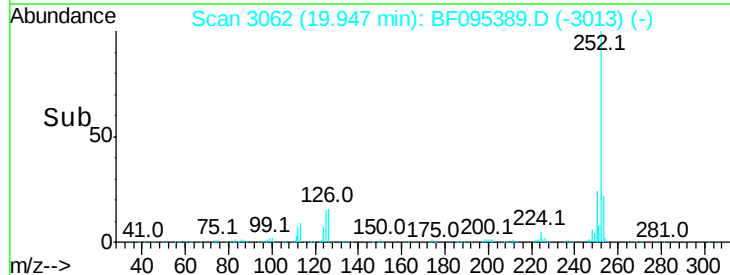
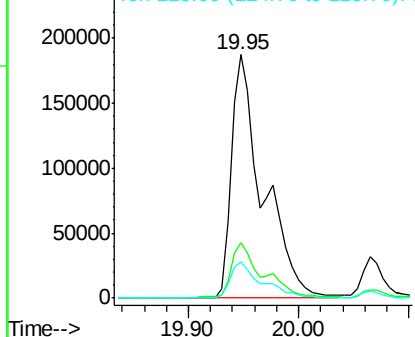
#87
Benzo(b)fluoranthene
Concen: 37.09 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

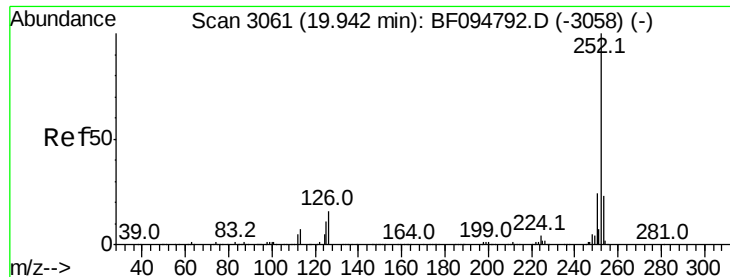
Tgt Ion:252 Resp: 375952

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	14.7	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: 38.45 ng

RT: 19.95 min Scan# 3062

Delta R.T. -0.04 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Instrument :

BNA_F

ClientSampleId :

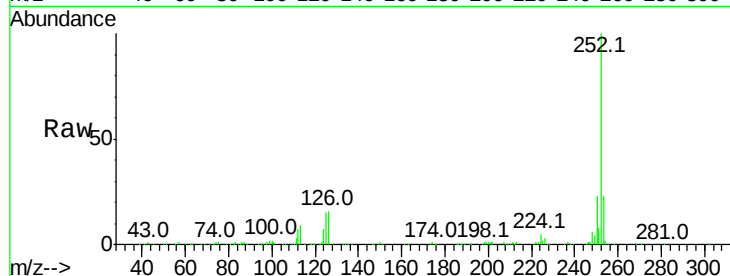
Tot Ion:252 Resp: 375952

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

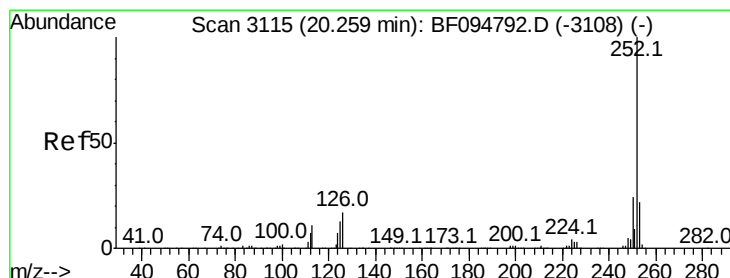
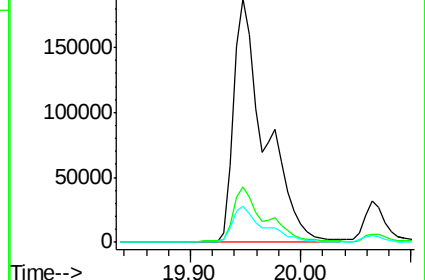
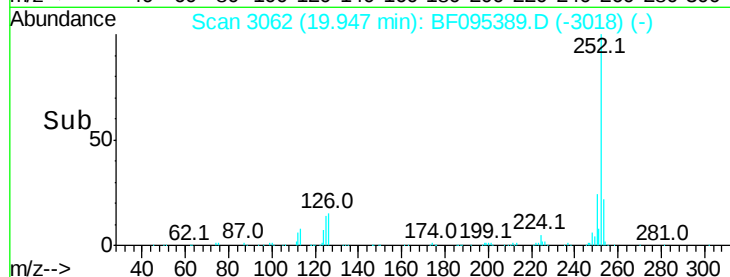
125 14.7 13.1 19.7



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: 22.02 ng

RT: 20.30 min Scan# 3122

Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

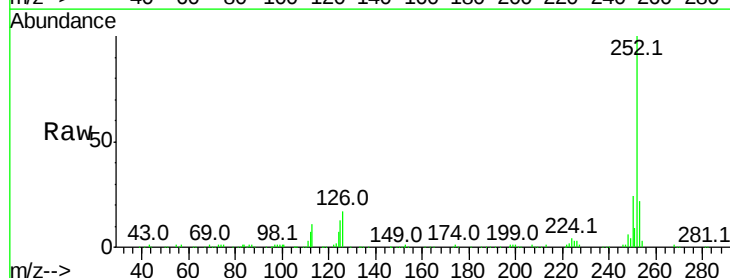
Tgt Ion:252 Resp: 205913

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

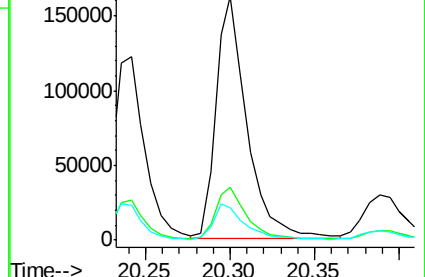
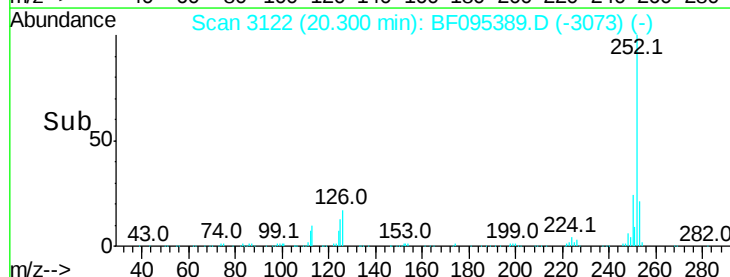
125 13.2 11.0 16.4

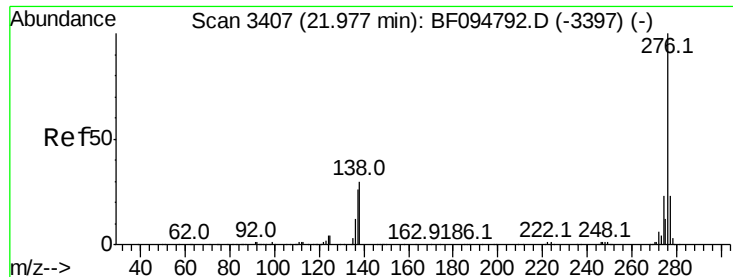


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 22.84 ng

RT: 22.07 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Instrument :

BNA_F

ClientSampleId :

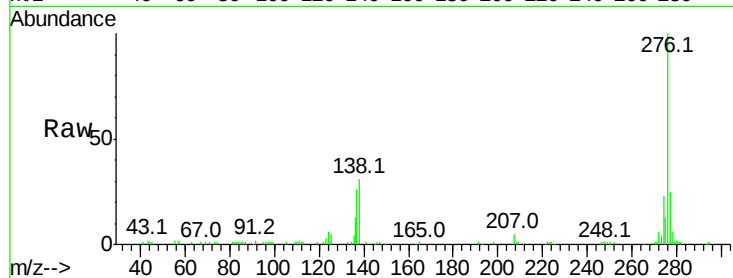
Tot Ion: 276 Resp: 173110

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 31.4 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

