

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095388.D
 Acq On : 24 May 2017 14:42
 Operator : SJ/MA
 Sample : I3290-06 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 25 01:43:44 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

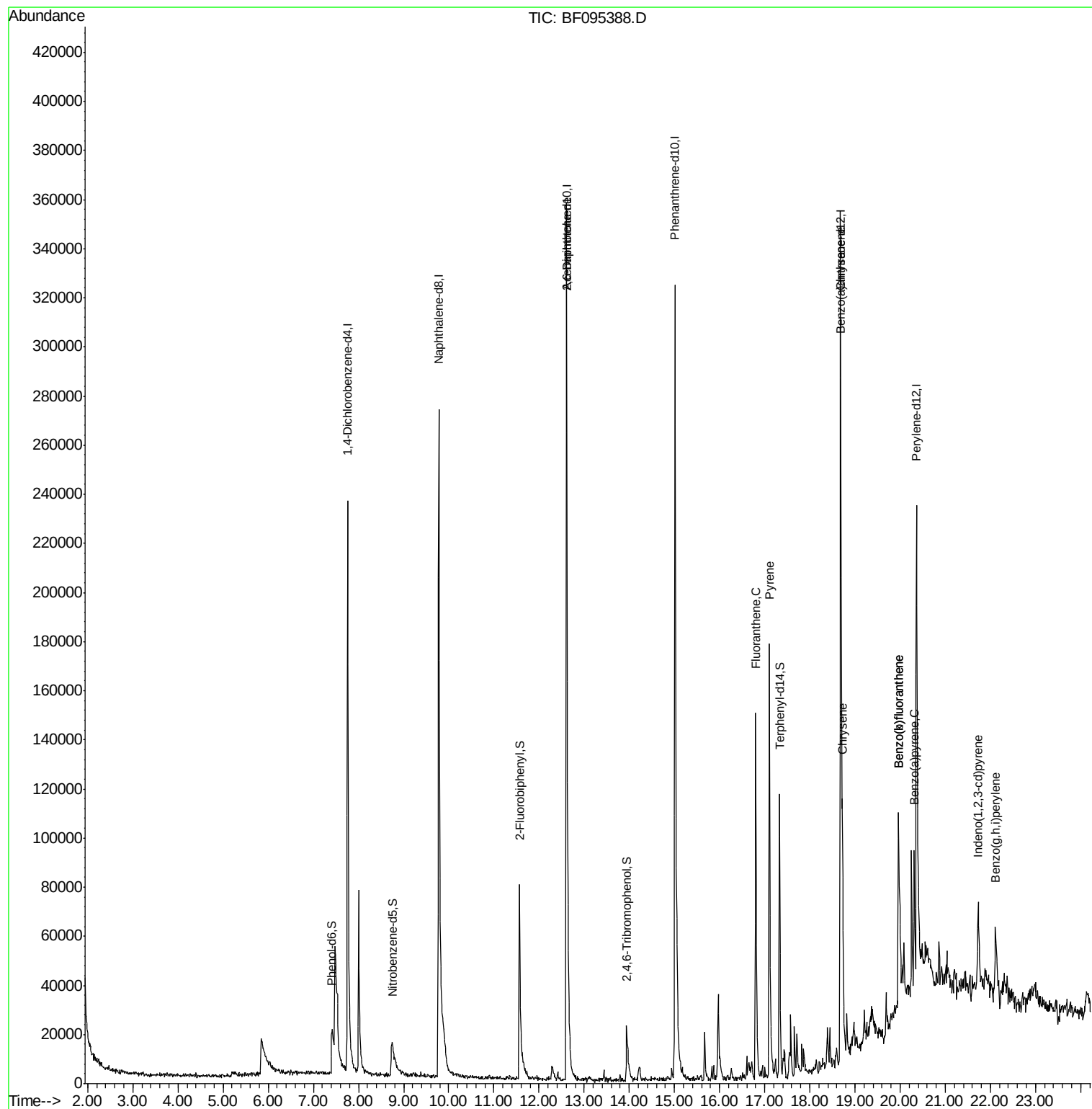
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	79038	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	357735	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	162196	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	283351	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	185256	20.00	ng	-0.01
86) Perylene-d12	20.36	264	137241	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.84	112	8179	1.73	ng	0.11
7) Phenol-d6	7.41	99	43190	7.59	ng	0.09
23) Nitrobenzene-d5	8.75	82	21732	3.83	ng	0.08
41) 2,4,6-Tribromophenol	13.95	330	6888	5.19	ng	0.03
44) 2-Fluorobiphenyl	11.57	172	84396	7.49	ng	0.00
78) Terphenyl-d14	17.33	244	60163	7.15	ng	-0.02
Target Compounds						
50) 2,6-Dinitrotoluene	12.61	165	14934	5.50	ng	Qvalue # 31
74) Fluoranthene	16.80	202	117823	7.06	ng	98
77) Pyrene	17.10	202	121966	8.80	ng	97
80) Benzo(a)anthracene	18.67	228	38532	3.57	ng	98
82) Chrysene	18.72	228	56691	5.44	ng	94
85) Indeno(1,2,3-cd)pyrene	21.73	276	30438	3.60	ng	96
87) Benzo(b)fluoranthene	19.97	252	68707	8.10	ng	99
88) Benzo(k)fluoranthene	19.97	252	68707	8.40	ng	97
89) Benzo(a)pyrene	20.31	252	31426	4.02	ng	# 97
91) Benzo(g,h,i)perylene	22.12	276	32081	5.06	ng	96

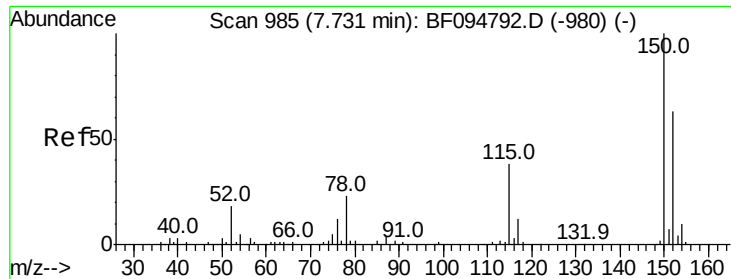
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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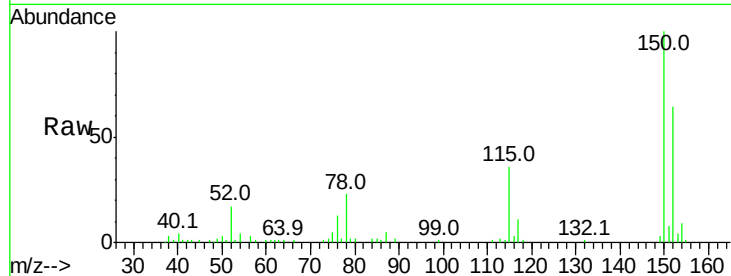


#1

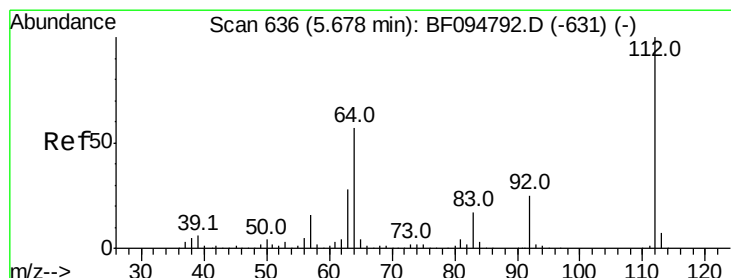
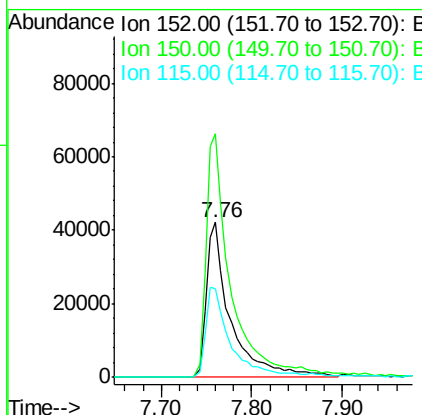
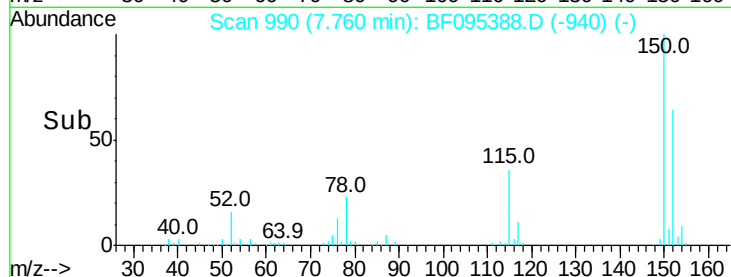
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.76 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: BF095388.D
 Acq: 24 May 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 79038
 Ion Ratio Lower Upper
 152 100
 150 157.2 126.2 189.2
 115 56.9 52.2 78.2



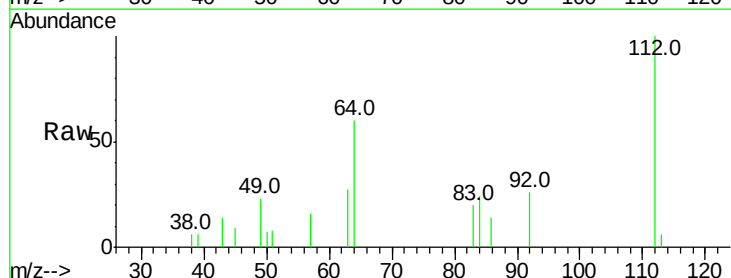
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



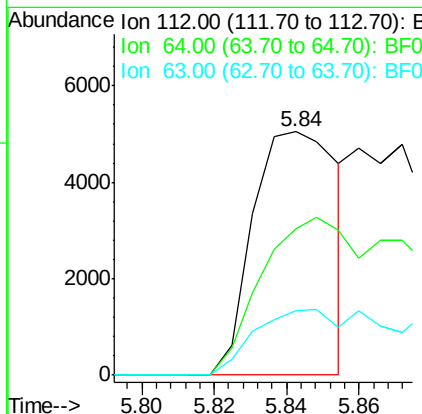
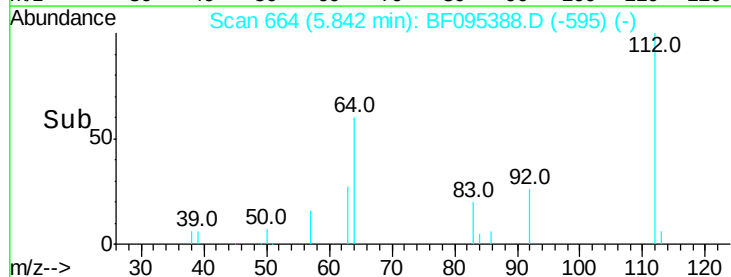
#5

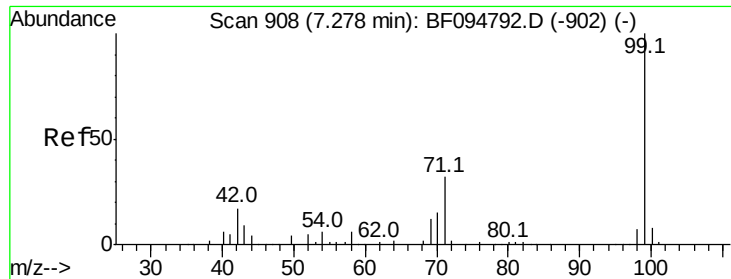
2-Fluorophenol
 Concen: 1.73 ng
 RT: 5.84 min Scan# 664
 Delta R.T. 0.11 min
 Lab File: BF095388.D
 Acq: 24 May 2017 14:42

Tgt Ion:112 Resp: 8179
 Ion Ratio Lower Upper
 112 100
 64 59.9 46.0 69.0
 63 26.7 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: 7.59 ng

RT: 7.41 min Scan# 930

Delta R.T. 0.09 min

Lab File: BF095388.D

Acq: 24 May 2017 14:42

Instrument :

BNA_F

ClientSampled :

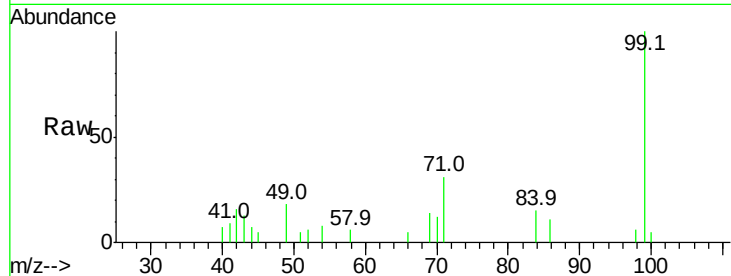
Tot Ion: 99 Resp: 43190

Ion Ratio Lower Upper

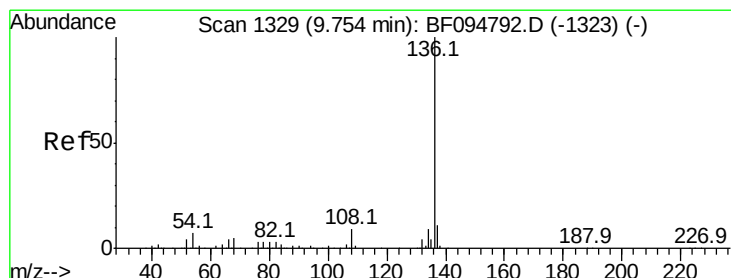
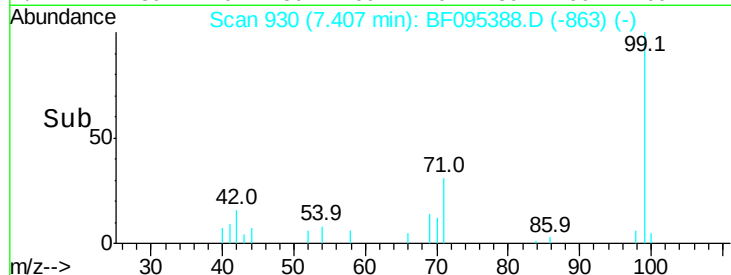
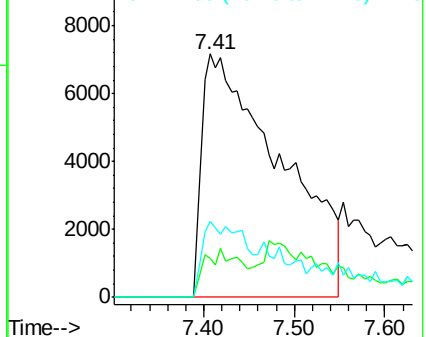
99 100

42 15.7 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095388.D

Acq: 24 May 2017 14:42

Tgt Ion: 136 Resp: 357735

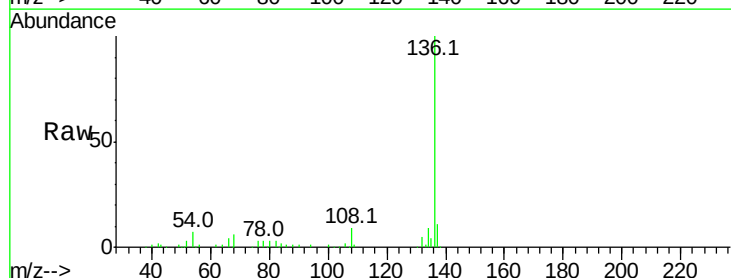
Ion Ratio Lower Upper

136 100

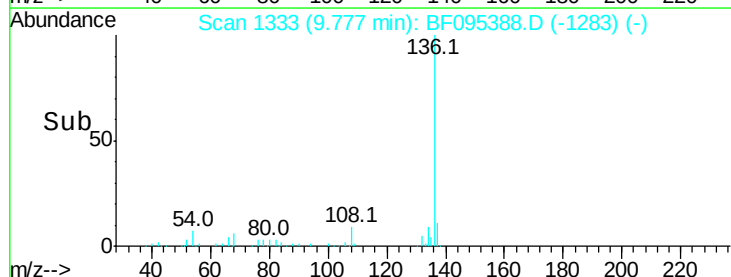
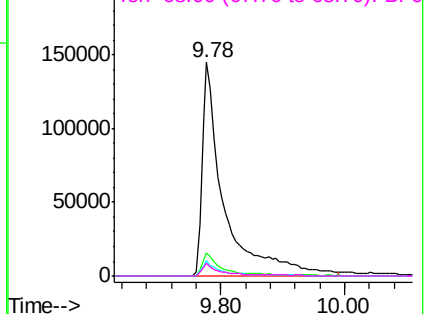
137 10.9 8.5 12.7

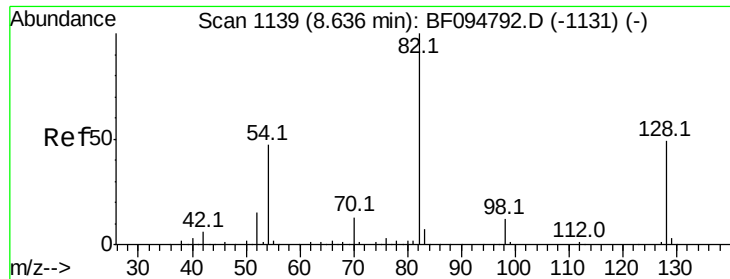
54 7.3 4.9 7.3#

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

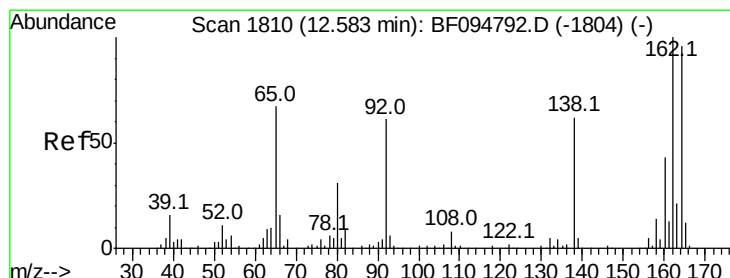
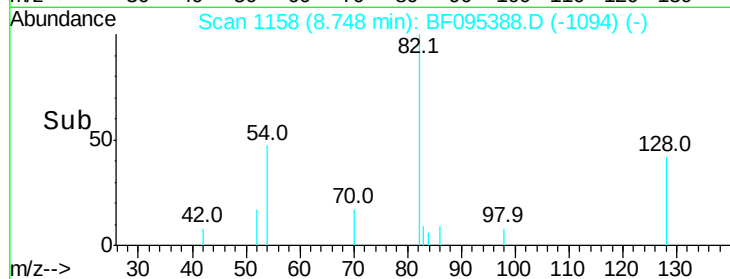
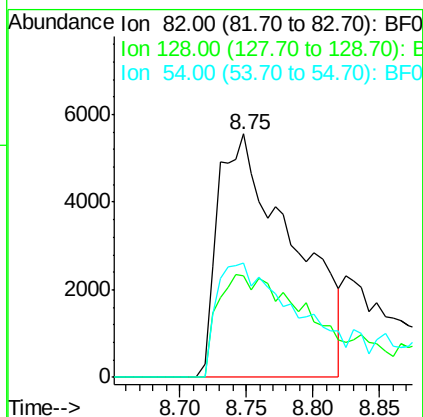
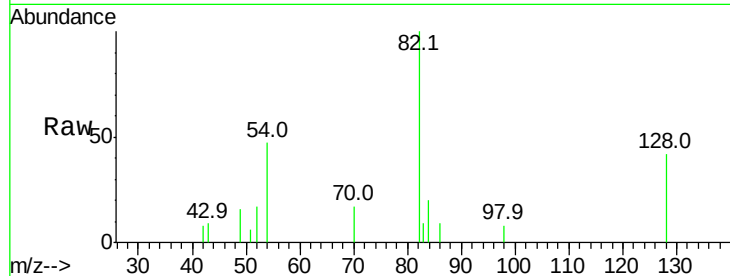




#23
 Nitrobenzene-d5
 Concen: 3.83 ng
 RT: 8.75 min Scan# 1158
 Delta R.T. 0.08 min
 Lab File: BF095388.D
 Acq: 24 May 2017 14:42

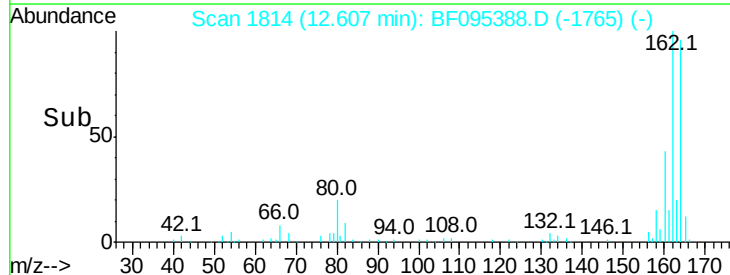
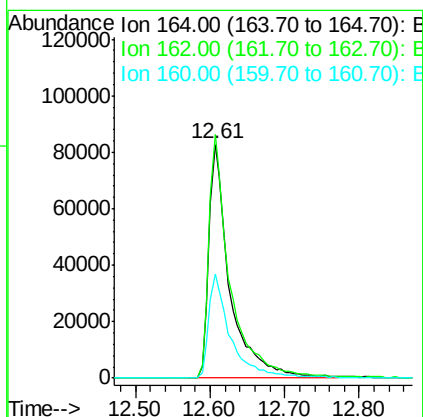
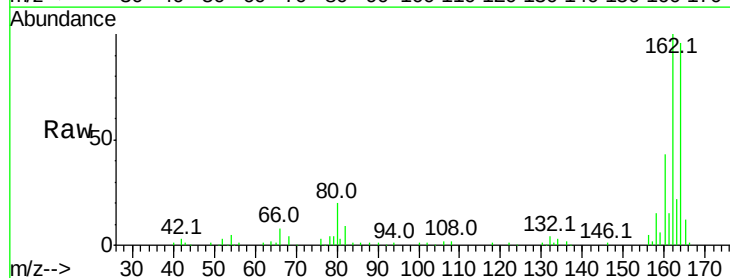
Instrument :
 BNA_F
 ClientSampleId :

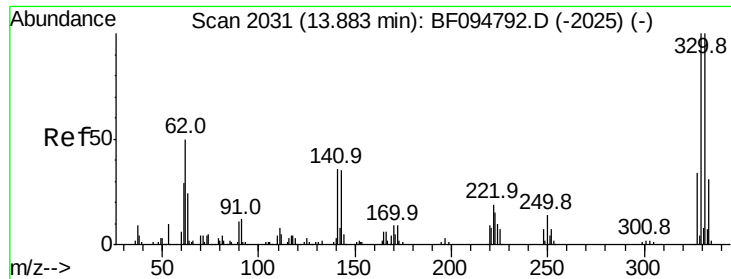
Tot Ion: 82 Resp: 21732
 Ion Ratio Lower Upper
 82 100
 128 41.6 34.0 51.0
 54 47.1 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF095388.D
 Acq: 24 May 2017 14:42

Tgt Ion:164 Resp: 162196
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.6 123.8
 160 44.7 36.2 54.2

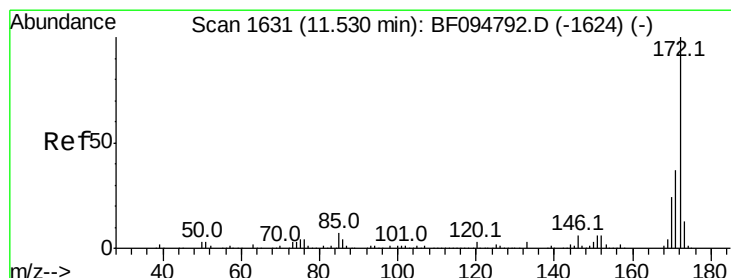
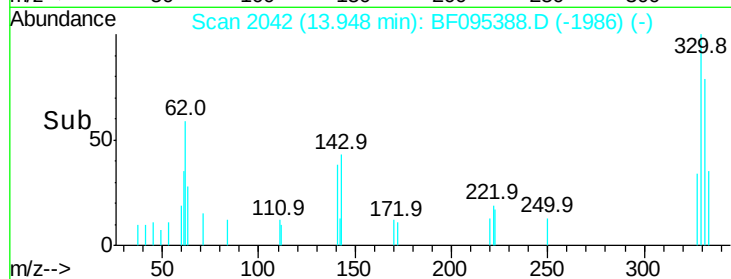
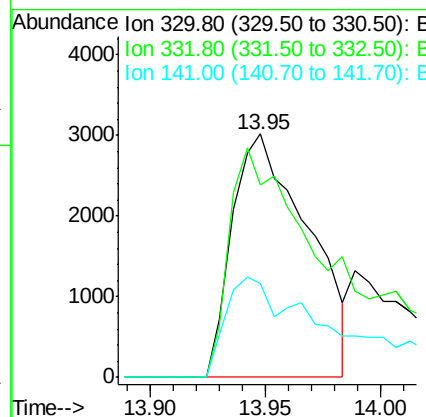
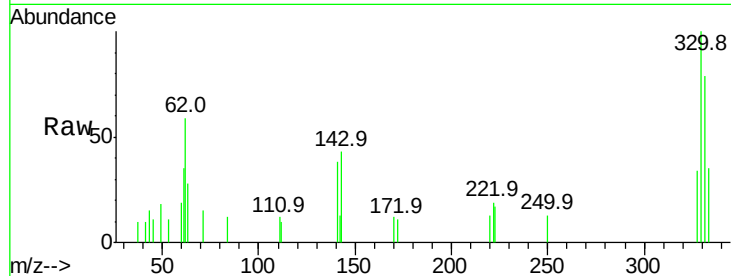




#41
 2,4,6-Tribromophenol
 Concen: 5.19 ng
 RT: 13.95 min Scan# 2042
 Delta R.T. 0.03 min
 Lab File: BF095388.D
 Acq: 24 May 2017 14:42

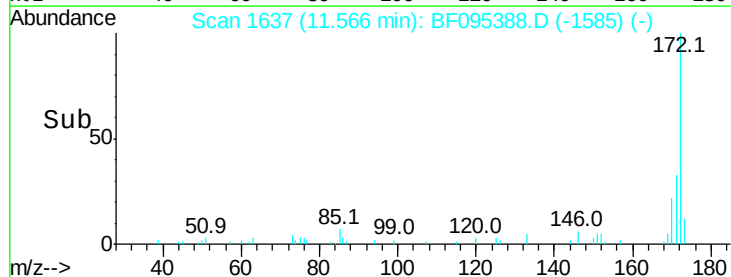
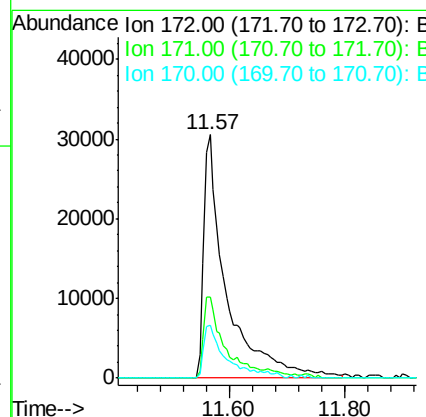
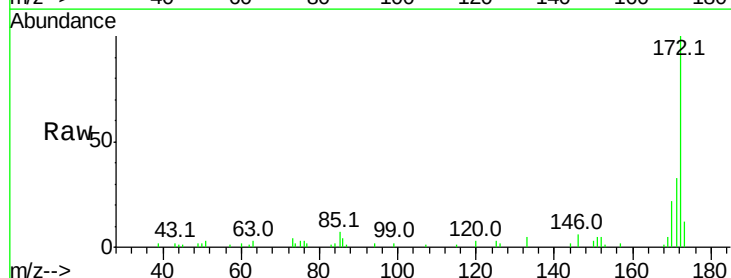
Instrument :
 BNA_F
 ClientSampleId :

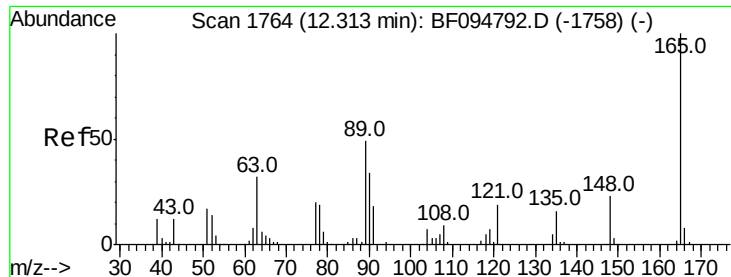
Tot Ion:330 Resp: 6888
 Ion Ratio Lower Upper
 330 100
 332 128.7 76.6 115.0#
 141 56.4 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 7.49 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.01 min
 Lab File: BF095388.D
 Acq: 24 May 2017 14:42

Tgt Ion:172 Resp: 84396
 Ion Ratio Lower Upper
 172 100
 171 33.5 29.6 44.4
 170 21.7 19.8 29.8

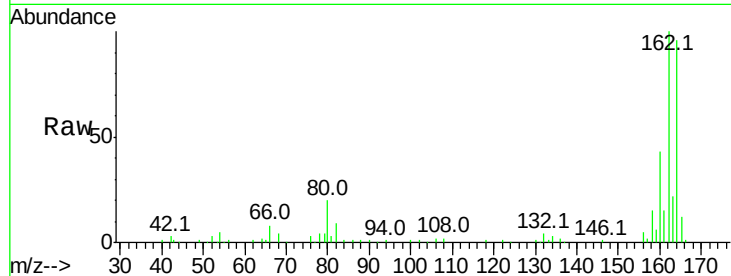




#50
 2,6-Dinitrotoluene
 Concen: 5.50 ng
 RT: 12.61 min Scan# 1814
 Delta R.T. 0.25 min
 Lab File: BF095388.D
 Acq: 24 May 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :

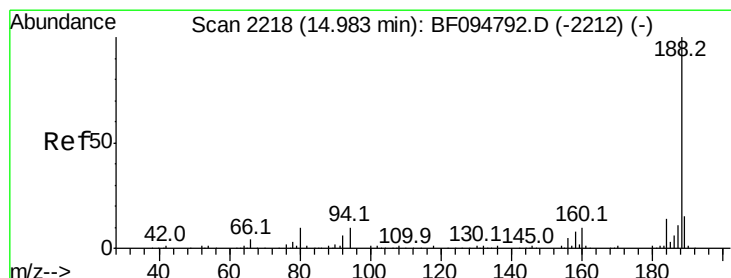
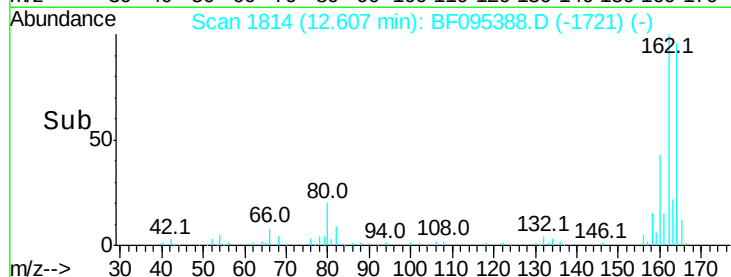
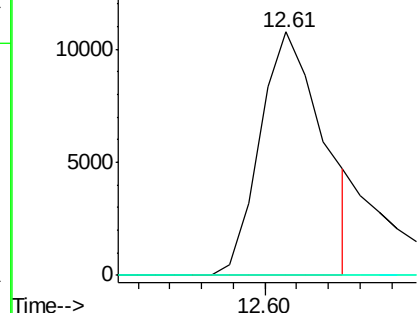
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

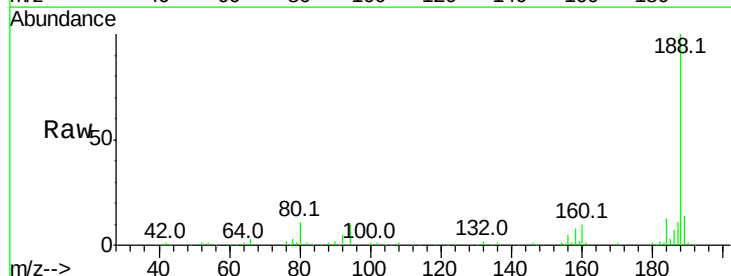
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF095388.D
 Acq: 24 May 2017 14:42

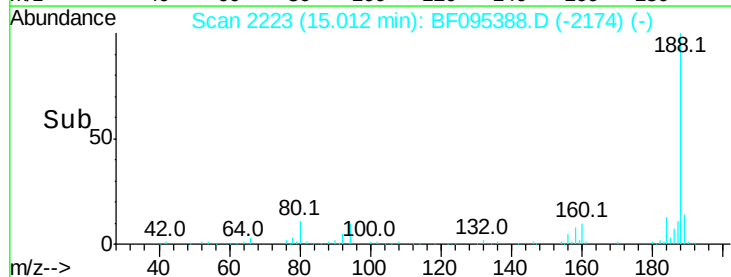
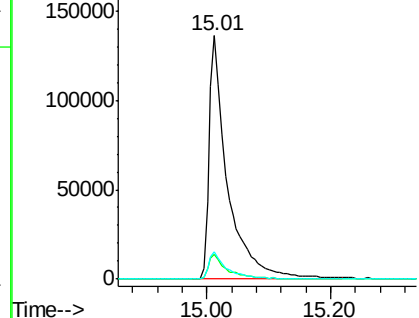
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	11.2	10.2	15.2

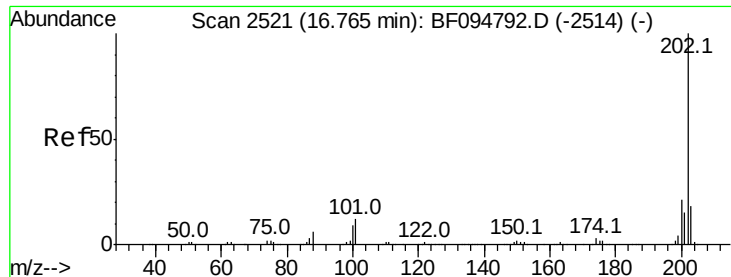


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

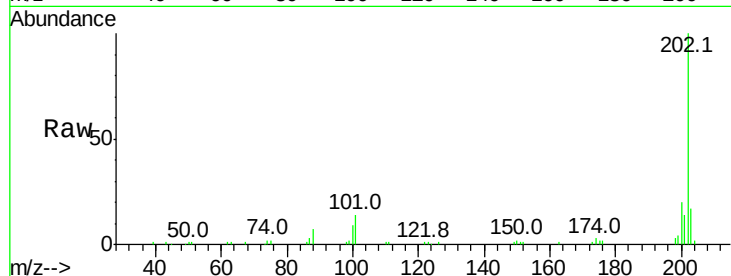




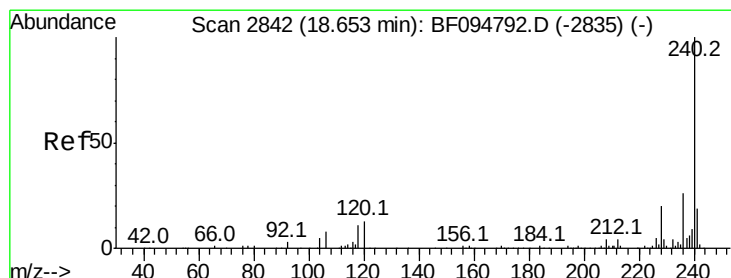
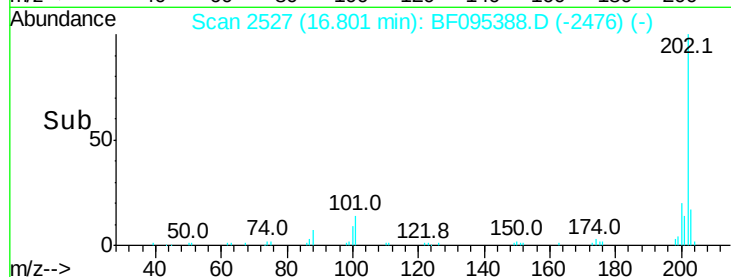
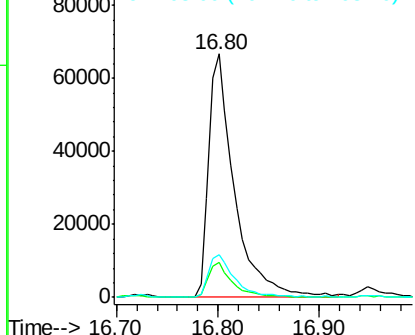
#74
 Fluoranthene
 Concen: 7.06 ng
 RT: 16.80 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BF095388.D
 Acq: 24 May 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 117823
 Ion Ratio Lower Upper
 202 100
 101 14.3 0.0 33.2
 203 17.5 0.0 38.1

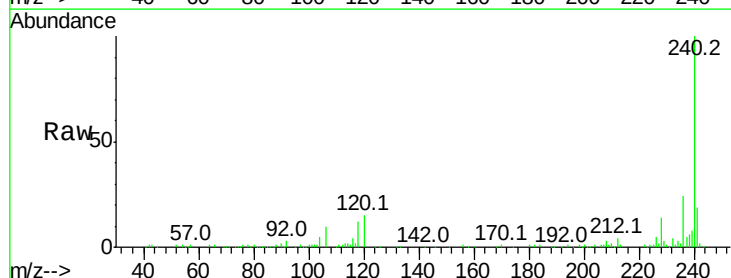


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

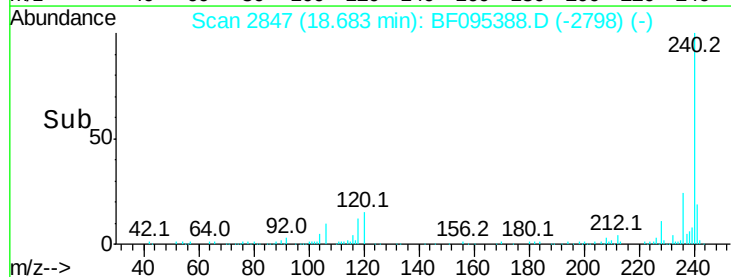
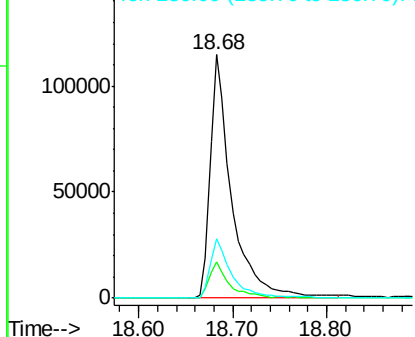


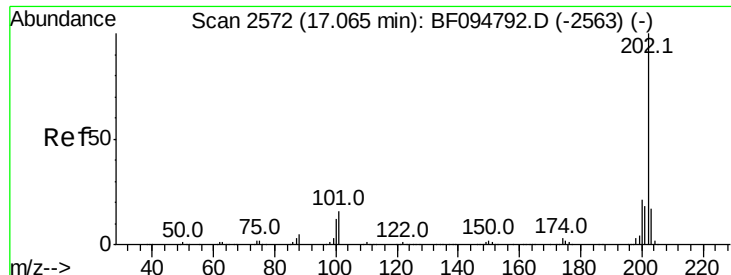
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095388.D
 Acq: 24 May 2017 14:42

Tgt Ion:240 Resp: 185256
 Ion Ratio Lower Upper
 240 100
 120 14.8 5.8 8.8#
 236 24.5 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

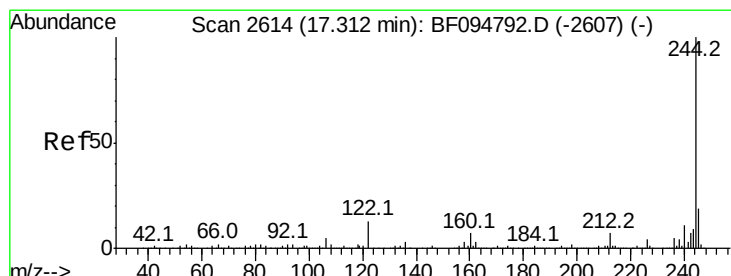
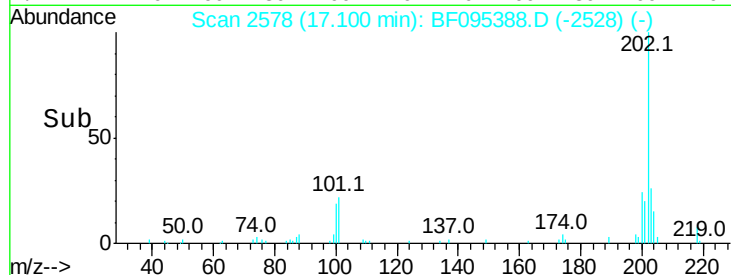
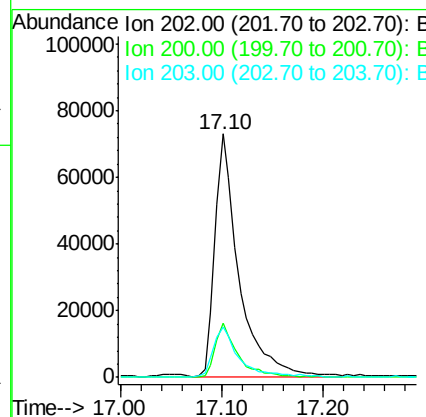
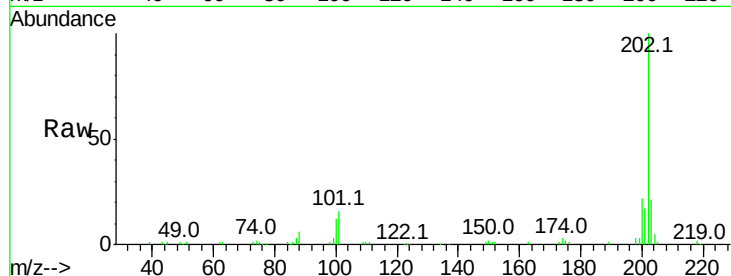




#77
Pvrene
Concen: 8.80 ng
RT: 17.10 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF095388.D
Acq: 24 May 2017 14:42

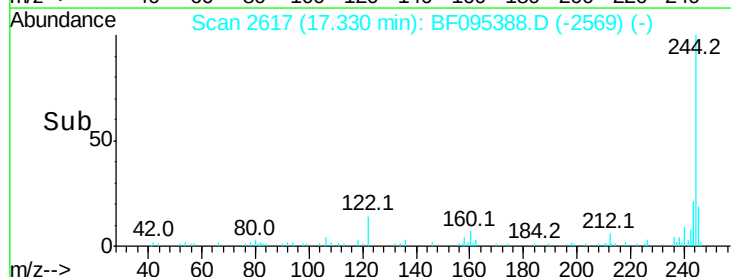
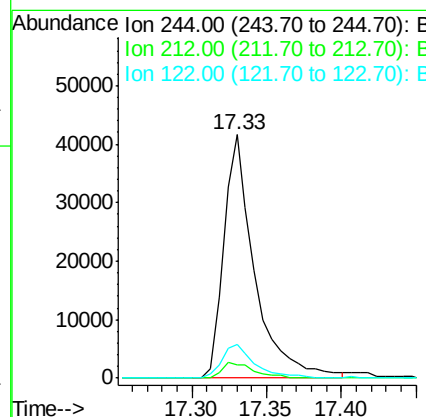
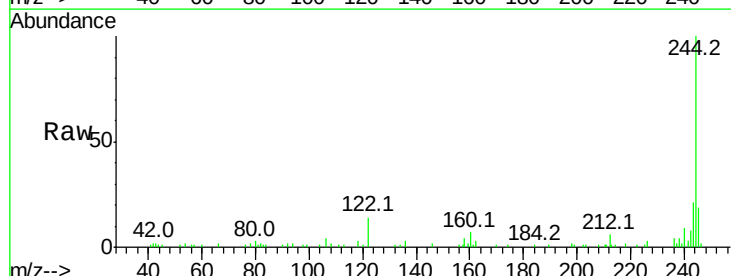
Instrument :
BNA_F
ClientSampleId :

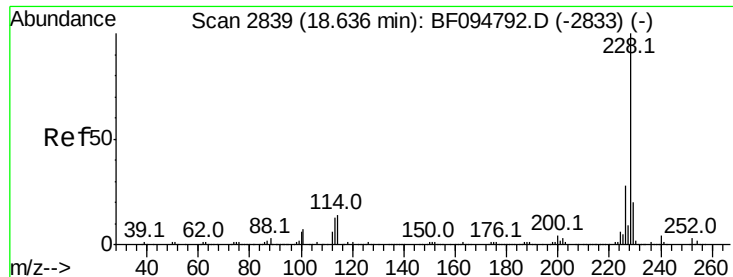
Tot Ion:202 Resp: 121966
Ion Ratio Lower Upper
202 100
200 22.1 17.6 26.4
203 20.7 14.4 21.6



#78
Terphenyl-d14
Concen: 7.15 ng
RT: 17.33 min Scan# 2617
Delta R.T. -0.02 min
Lab File: BF095388.D
Acq: 24 May 2017 14:42

Tgt Ion:244 Resp: 60163
Ion Ratio Lower Upper
244 100
212 5.6 6.0 9.0#
122 14.0 10.3 15.5





#80

Benzo(a)anthracene

Concen: 3.57 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095388.D

Acq: 24 May 2017 14:42

Instrument :

BNA_F

ClientSampleId :

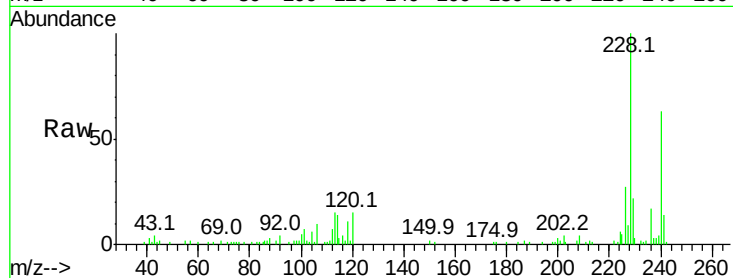
Tot Ion:228 Resp: 38532

Ion Ratio Lower Upper

228 100

226 27.2 22.6 33.8

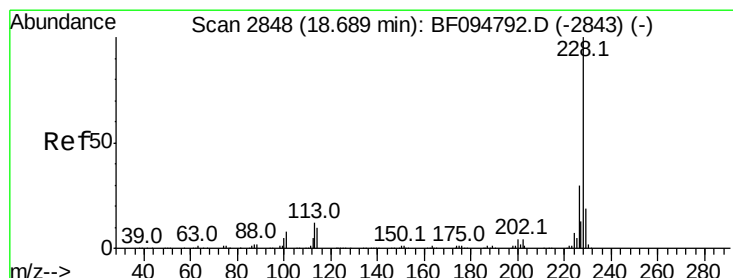
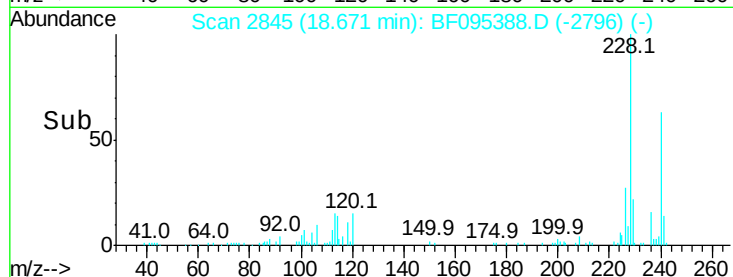
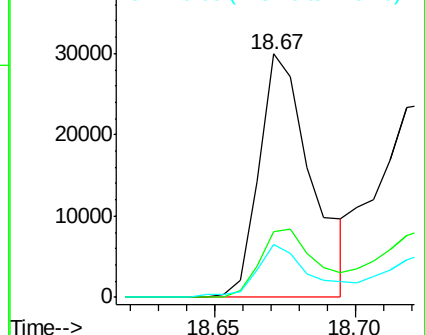
229 21.6 16.3 24.5



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



#82

Chrysene

Concen: 5.44 ng

RT: 18.72 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BF095388.D

Acq: 24 May 2017 14:42

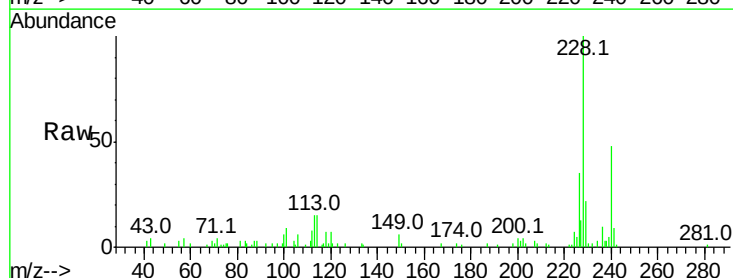
Tgt Ion:228 Resp: 56691

Ion Ratio Lower Upper

228 100

226 34.6 24.9 37.3

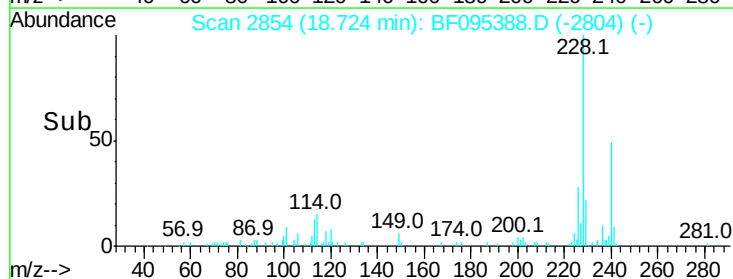
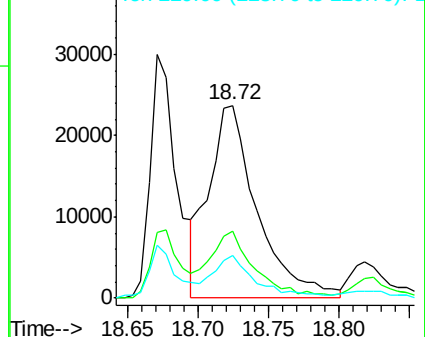
229 21.9 15.8 23.6

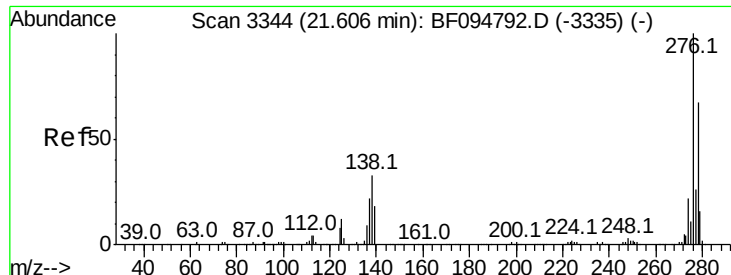


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

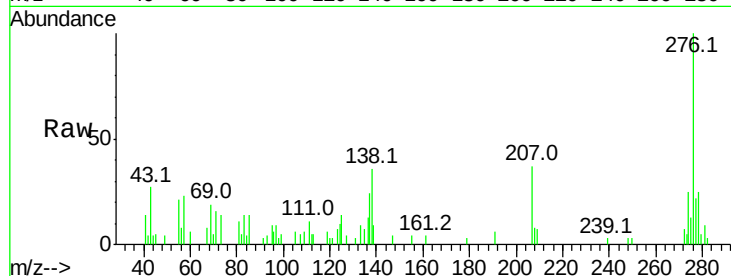




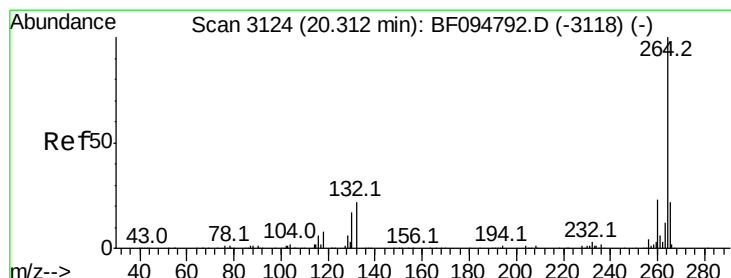
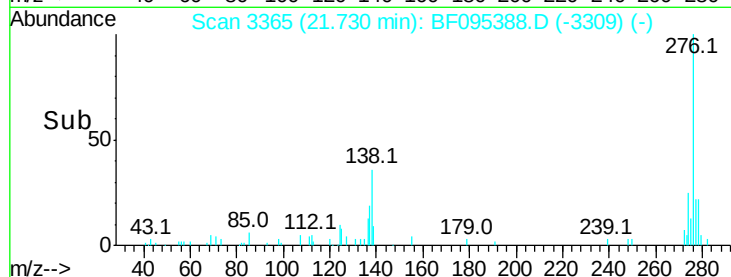
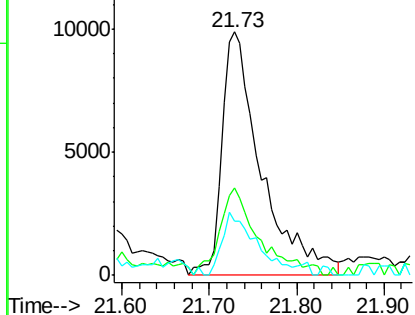
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.60 ng
RT: 21.73 min Scan# 3365
Delta R.T. 0.03 min
Lab File: BF095388.D
Acq: 24 May 2017 14:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:276 Resp: 30438
Ion Ratio Lower Upper
276 100
138 36.1 27.8 41.6
277 22.3 20.2 30.4

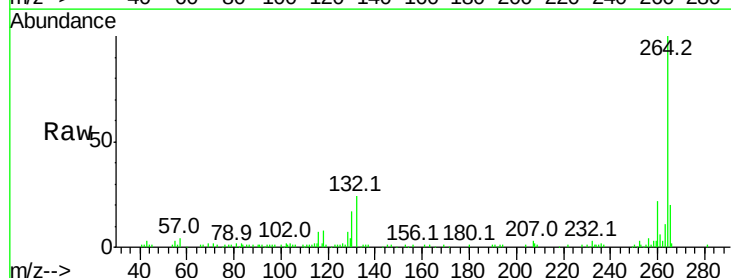


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

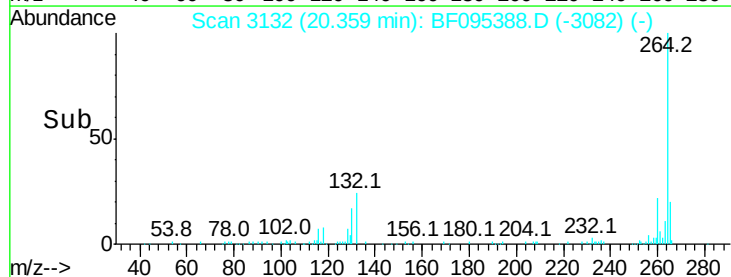
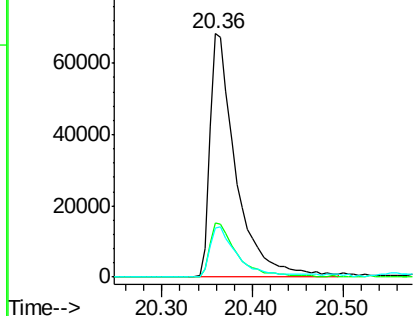


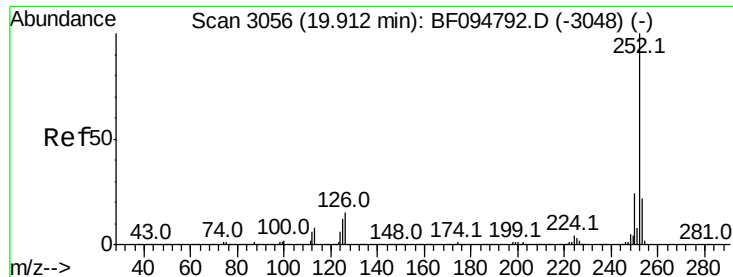
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095388.D
Acq: 24 May 2017 14:42

Tgt Ion:264 Resp: 137241
Ion Ratio Lower Upper
264 100
260 22.0 19.5 29.3
265 19.9 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: 8.10 ng

RT: 19.97 min Scan# 3065

Delta R.T. 0.01 min

Lab File: BF095388.D

Acq: 24 May 2017 14:42

Instrument :

BNA_F

ClientSampleId :

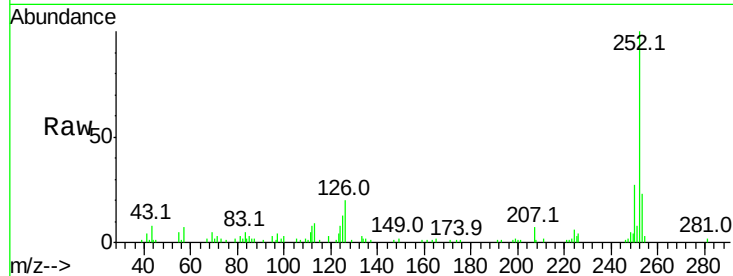
Tot Ion:252 Resp: 68707

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

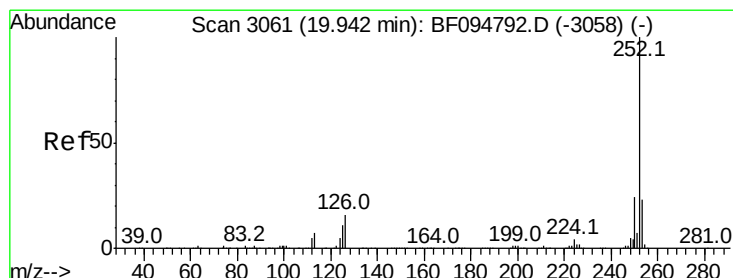
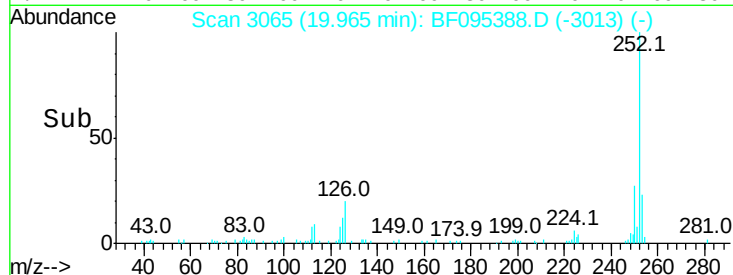
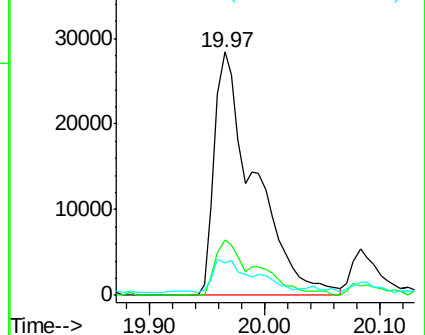
125 13.2 9.8 14.8



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: 8.40 ng

RT: 19.97 min Scan# 3065

Delta R.T. -0.02 min

Lab File: BF095388.D

Acq: 24 May 2017 14:42

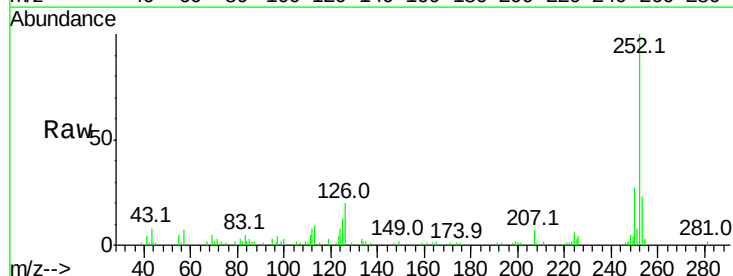
Tgt Ion:252 Resp: 68707

Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

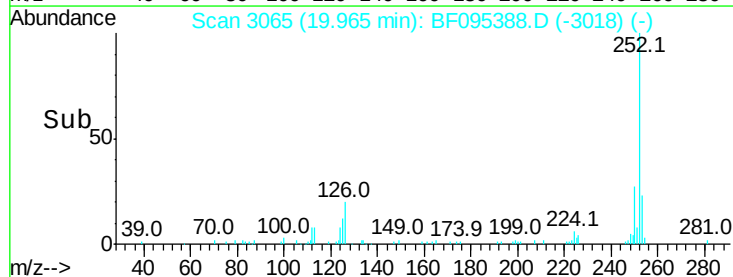
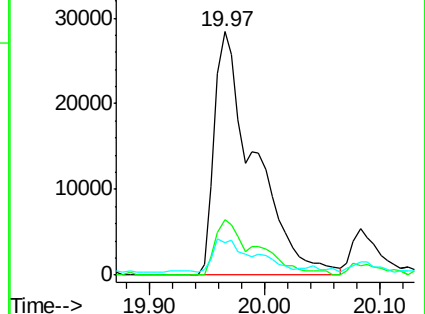
125 13.2 13.1 19.7

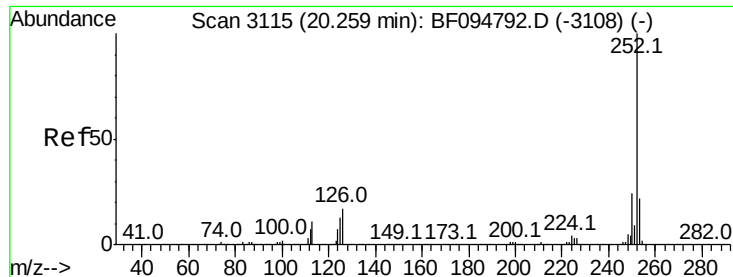


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

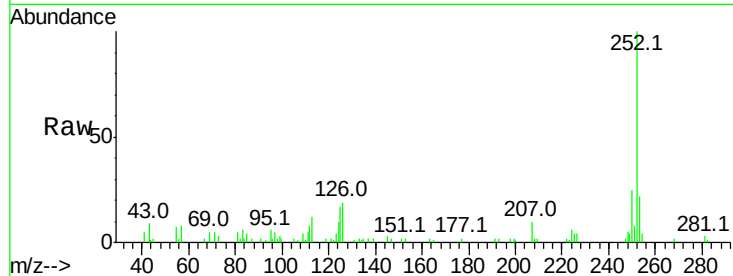




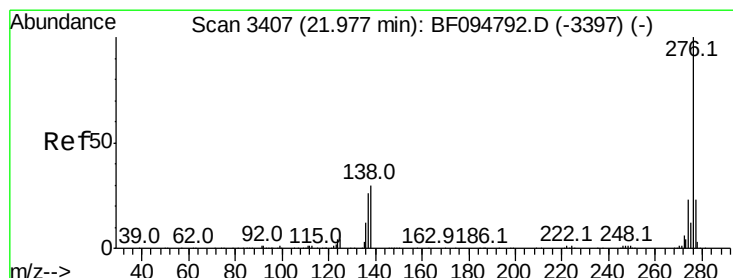
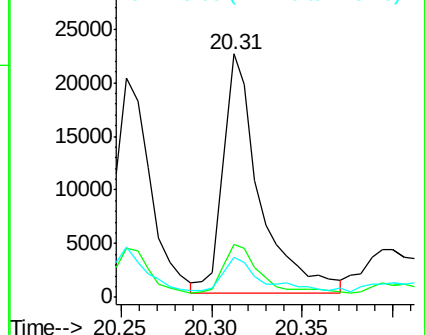
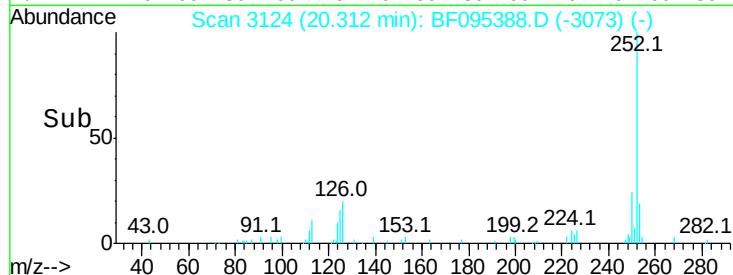
#89
Benzo(a)pyrene
Concen: 4.02 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF095388.D
Acq: 24 May 2017 14:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 31426
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 16.6 11.0 16.4#

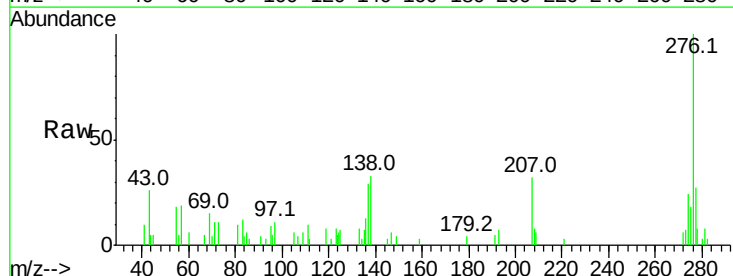


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 5.06 ng
RT: 22.12 min Scan# 3431
Delta R.T. 0.04 min
Lab File: BF095388.D
Acq: 24 May 2017 14:42

Tgt Ion:276 Resp: 32081
Ion Ratio Lower Upper
276 100
277 27.0 18.6 28.0
138 32.6 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

