

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060617\
 Data File : BF095731.D
 Acq On : 7 Jun 2017 2:55
 Operator : SJ/MA
 Sample : I3482-04 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 07 04:34:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

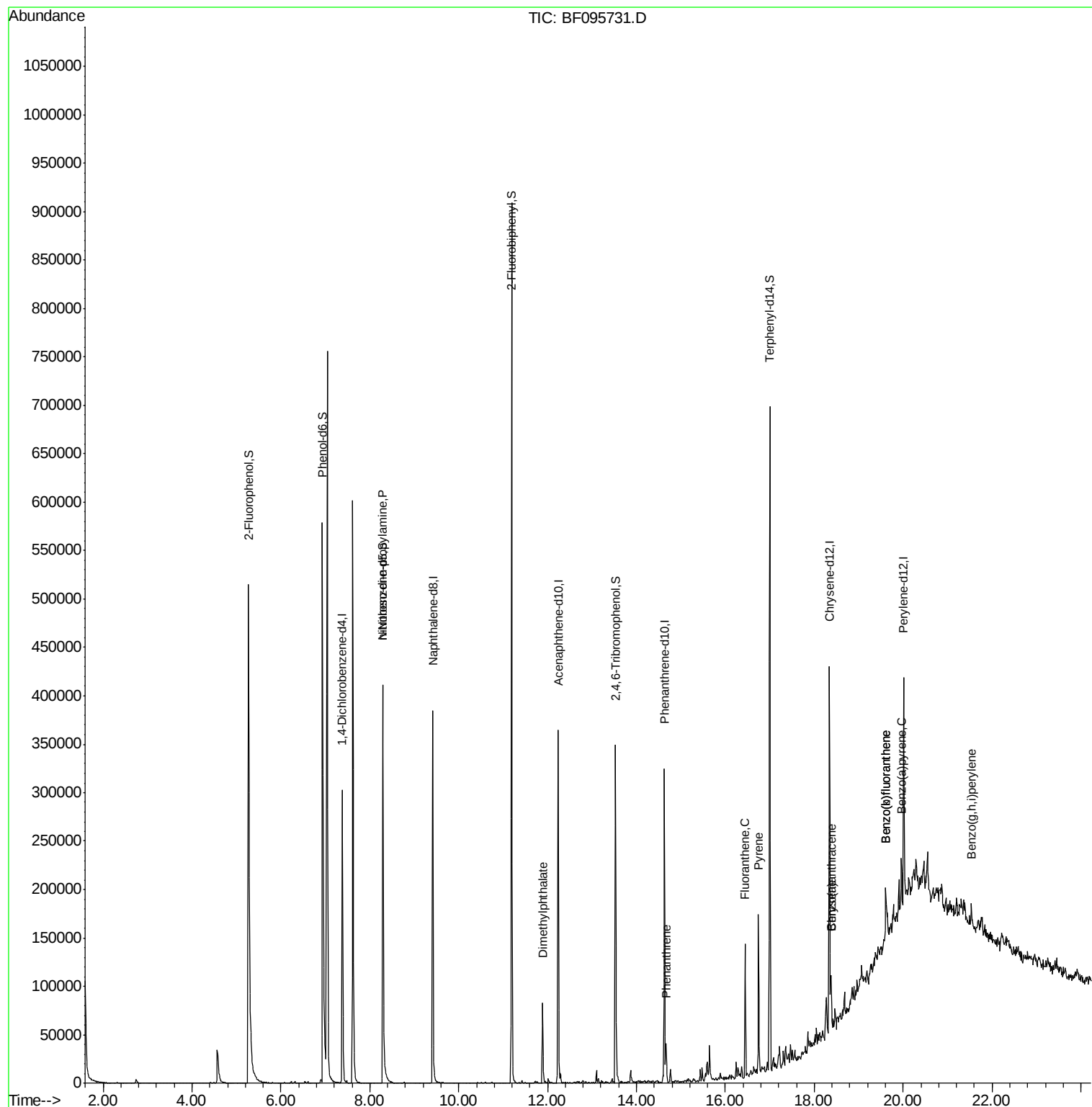
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	71191	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	266436	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	103046	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	165535	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	139075	20.00	ng	-0.01
86) Perylene-d12	20.02	264	97427	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	327400	73.28	ng	-0.02
7) Phenol-d6	6.93	99	374573	70.03	ng	-0.02
23) Nitrobenzene-d5	8.29	82	206522	48.14	ng	-0.03
41) 2,4,6-Tribromophenol	13.53	330	57692	63.28	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	375732	50.74	ng	-0.02
78) Terphenyl-d14	17.00	244	246687	44.02	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.29	70	25885	7.64	ng	Qvalue # 77
49) Dimethylphthalate	11.89	163	51521	6.59	ng	99
70) Phenanthrene	14.67	178	26306	2.75	ng	98
74) Fluoranthene	16.44	202	64553	6.83	ng	99
77) Pyrene	16.74	202	69041	6.65	ng	97
80) Benzo(a)anthracene	18.38	228	29274	3.62	ng	95
82) Chrysene	18.38	228	29274	3.62	ng	97
87) Benzo(b)fluoranthene	19.62	252	28609	4.69	ng	# 90
88) Benzo(k)fluoranthene	19.62	252	28609	4.91	ng	95
89) Benzo(a)pyrene	19.96	252	20228	3.61	ng	# 93
91) Benzo(g,h,i)perylene	21.54	276	12573	2.59	ng	# 91

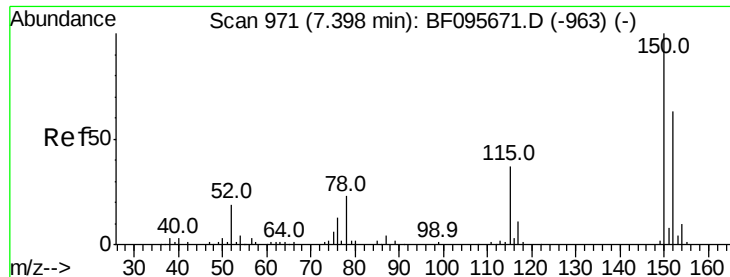
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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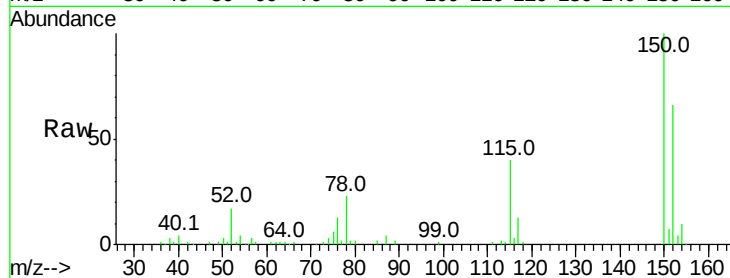


#1

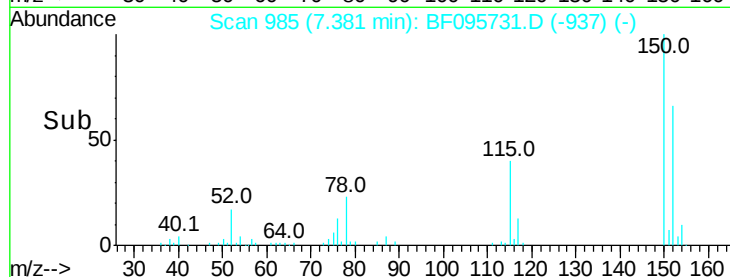
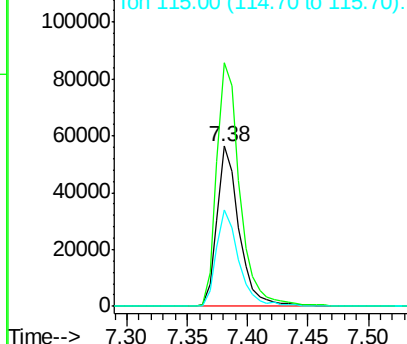
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 71191
Ion Ratio Lower Upper
152 100
150 152.2 126.2 189.2
115 60.4 52.2 78.2



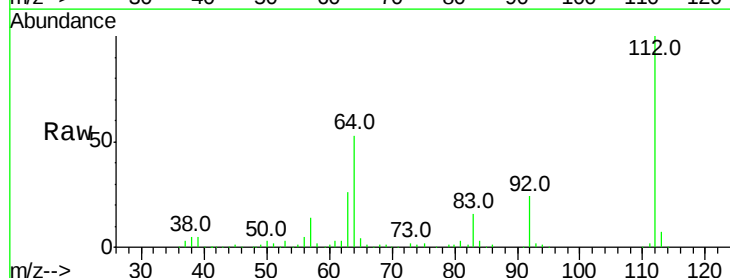
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



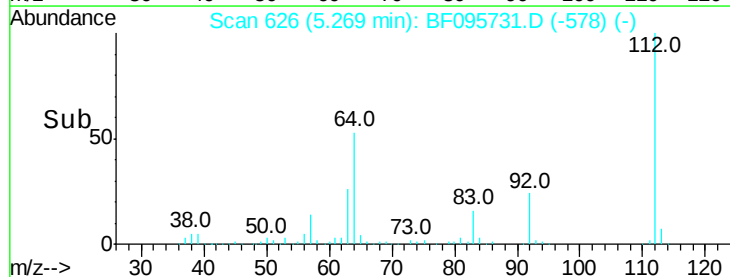
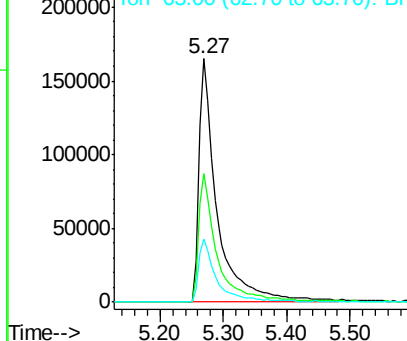
#5

2-Fluorophenol
Concen: 73.28 ng
RT: 5.27 min Scan# 626
Delta R.T. -0.02 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

Tgt Ion:112 Resp: 327400
Ion Ratio Lower Upper
112 100
64 53.0 46.0 69.0
63 26.0 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: 70.03 ng

RT: 6.93 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF095731.D

Acq: 7 Jun 2017 2:55

Instrument :

BNA_F

ClientSampled :

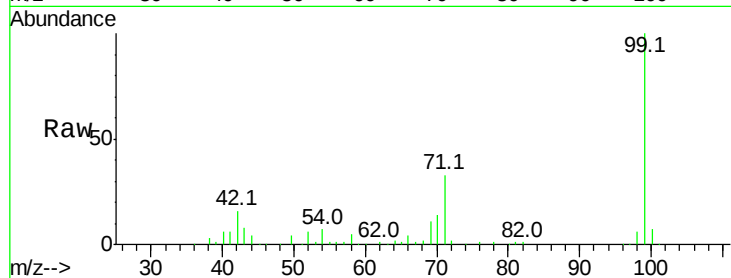
Tot Ion: 99 Resp: 374573

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

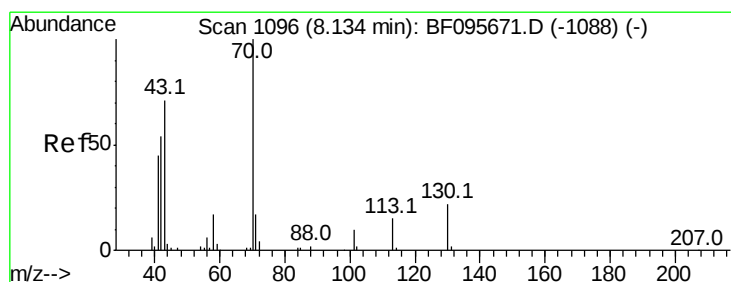
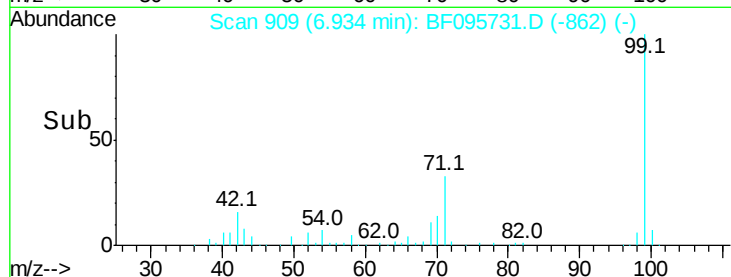
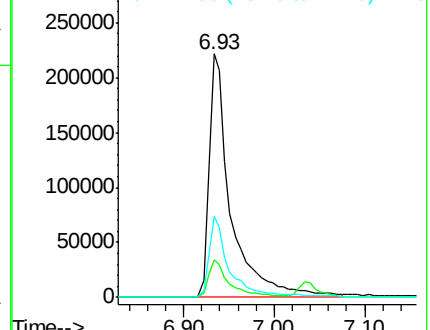
71 33.1 24.5 36.7



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: 7.64 ng

RT: 8.29 min Scan# 1140

Delta R.T. 0.16 min

Lab File: BF095731.D

Acq: 7 Jun 2017 2:55

Tgt Ion: 70 Resp: 25885

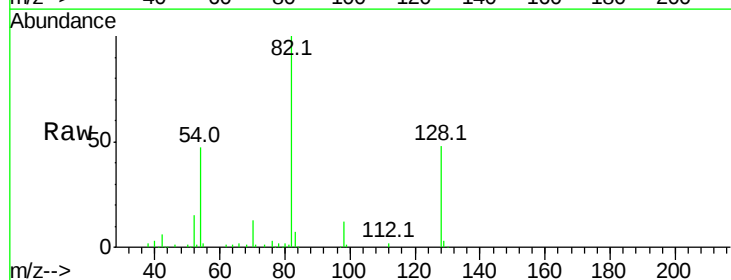
Ion Ratio Lower Upper

70 100

42 46.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.9 15.9 23.9#

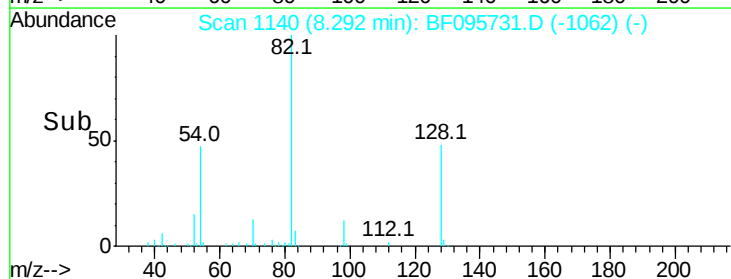
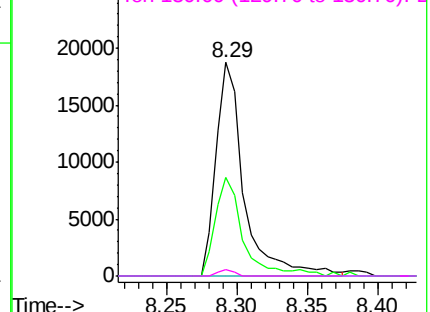


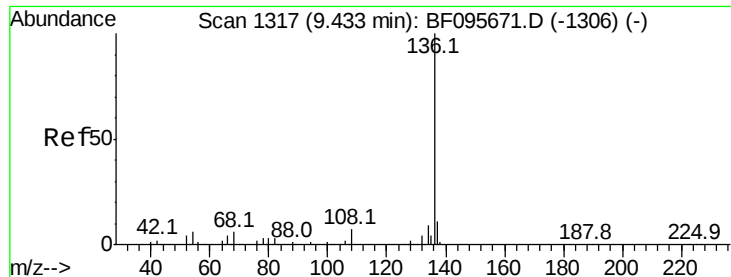
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.42 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095731.D

Acq: 7 Jun 2017 2:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 266436

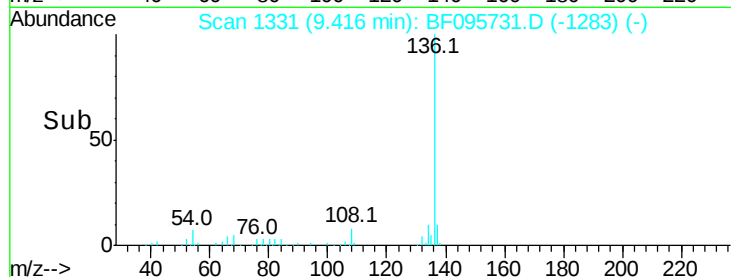
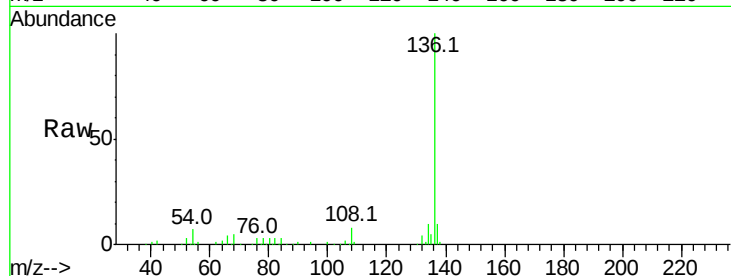
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 6.6 4.9 7.3

68 5.5 4.1 6.1

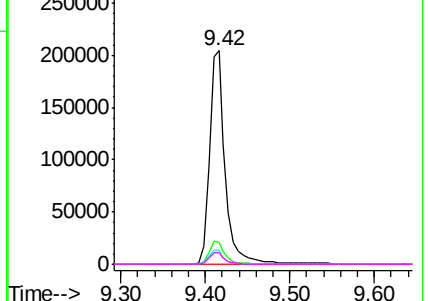


Abundance Ion 136.00 (135.70 to 136.70): E

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: 48.14 ng

RT: 8.29 min Scan# 1140

Delta R.T. -0.03 min

Lab File: BF095731.D

Acq: 7 Jun 2017 2:55

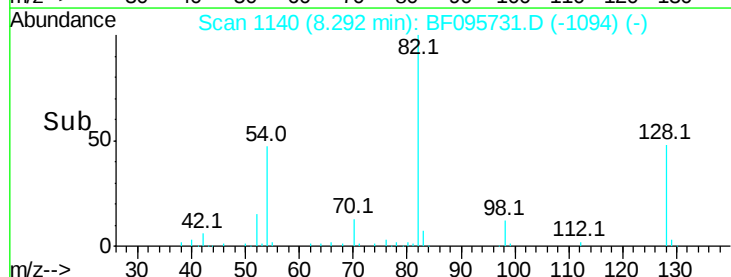
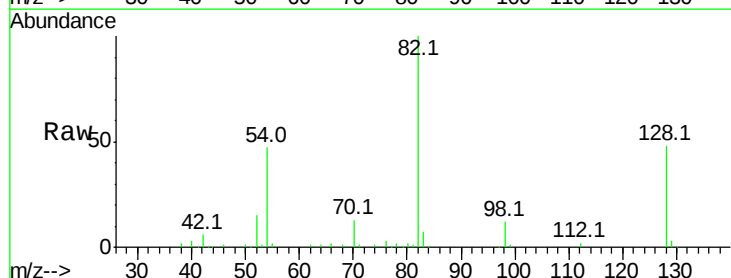
Tgt Ion: 82 Resp: 206522

Ion Ratio Lower Upper

82 100

128 47.7 34.0 51.0

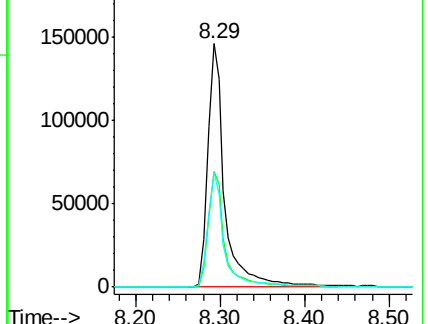
54 46.9 42.2 63.2

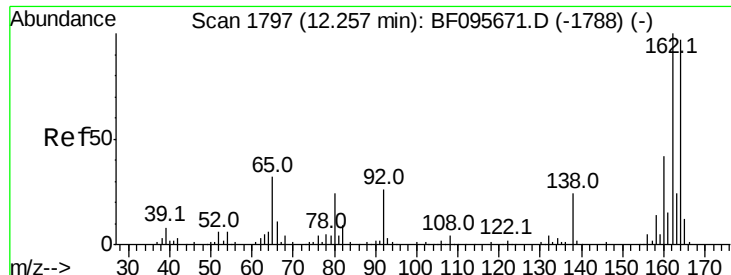


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

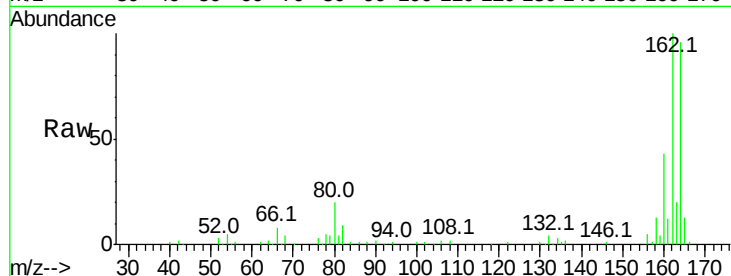




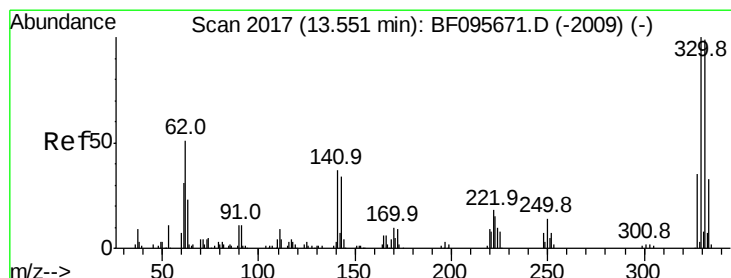
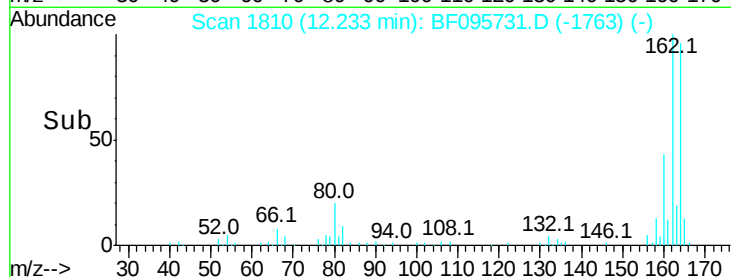
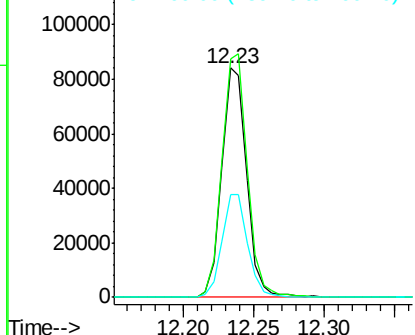
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.23 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 103046
Ion Ratio Lower Upper
164 100
162 103.7 82.6 123.8
160 45.1 36.2 54.2

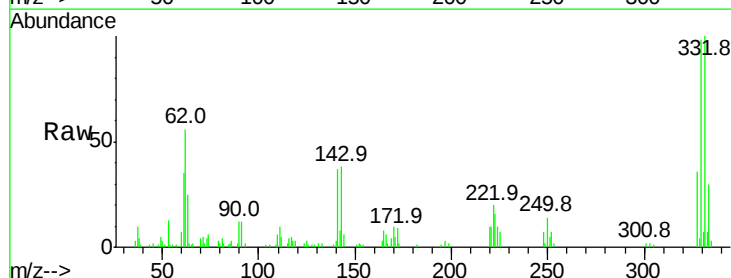


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

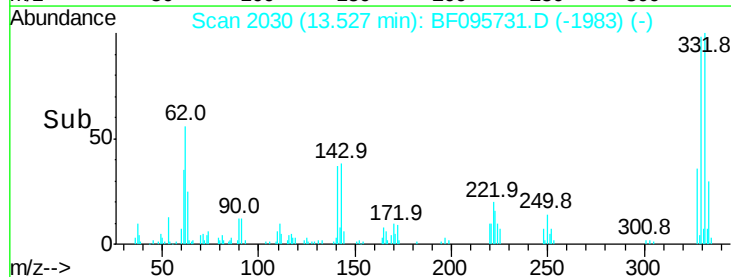
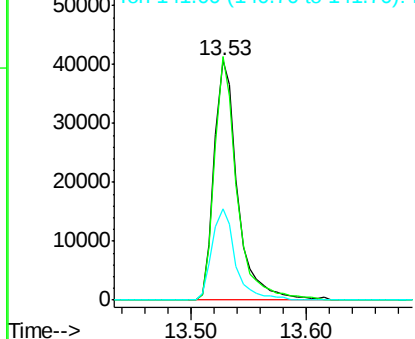


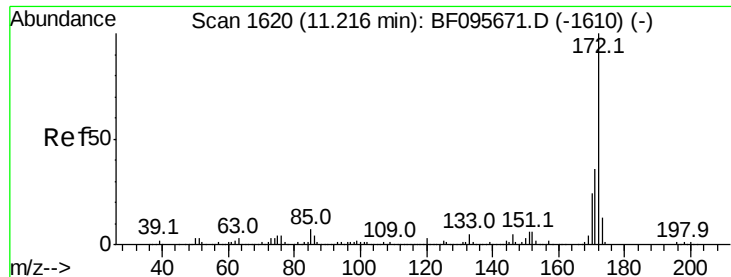
#41
2,4,6-Tribromophenol
Concen: 63.28 ng
RT: 13.53 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

Tgt Ion:330 Resp: 57692
Ion Ratio Lower Upper
330 100
332 96.7 76.6 115.0
141 37.9 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

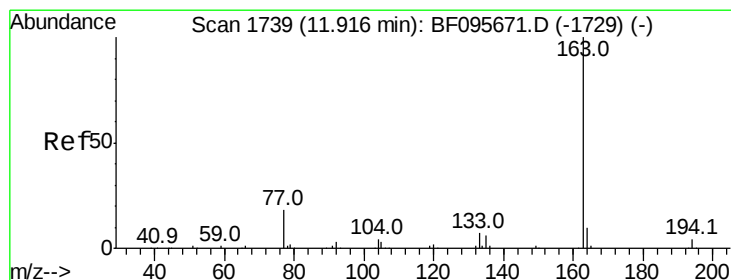
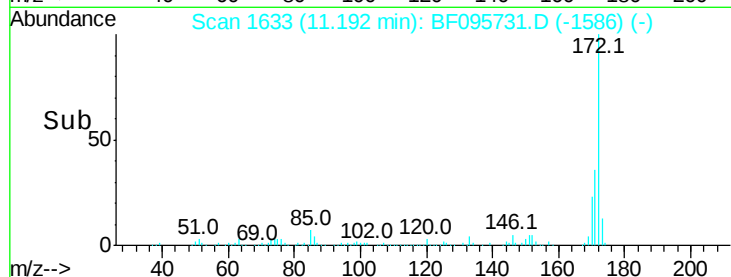
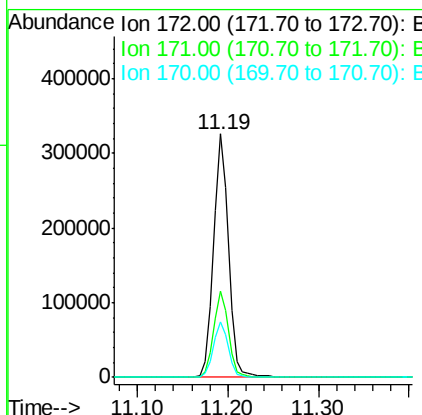
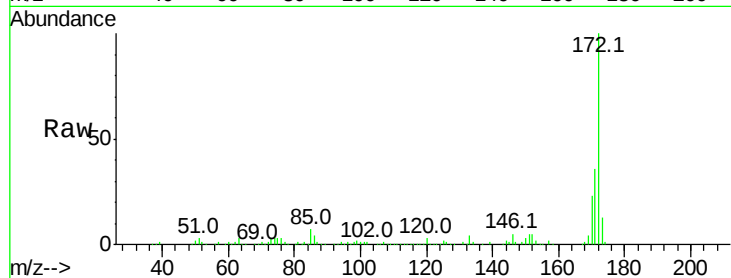




#44
2-Fluorobiphenyl
Concen: 50.74 ng
RT: 11.19 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

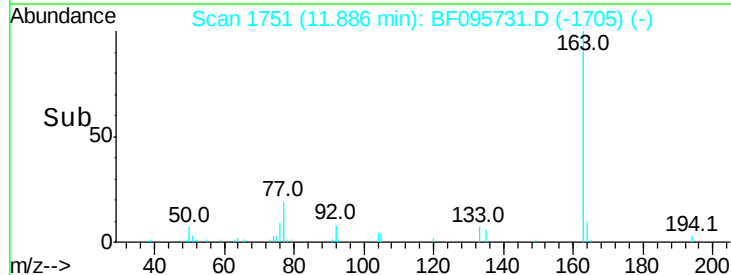
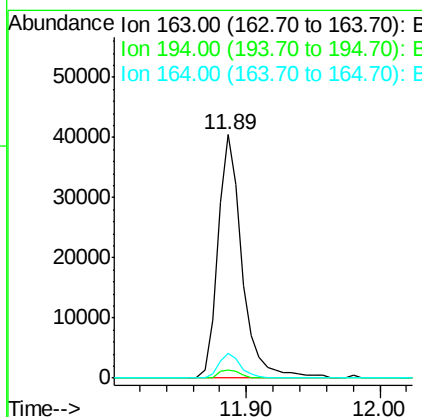
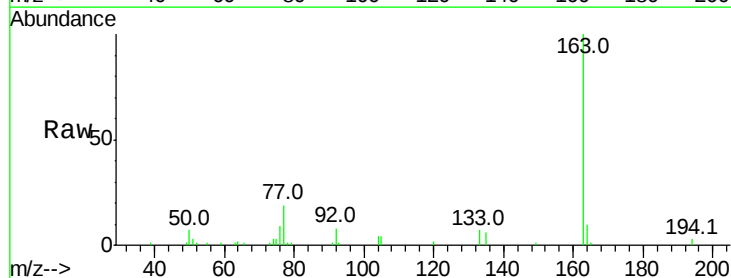
Instrument :
BNA_F
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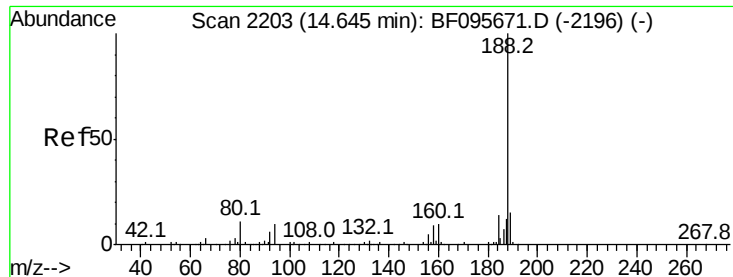
Tot Ion:172 Resp: 375732
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 22.8 19.8 29.8



#49
Dimethylphthalate
Concen: 6.59 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

Tgt Ion:163 Resp: 51521
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.2 8.4 12.6

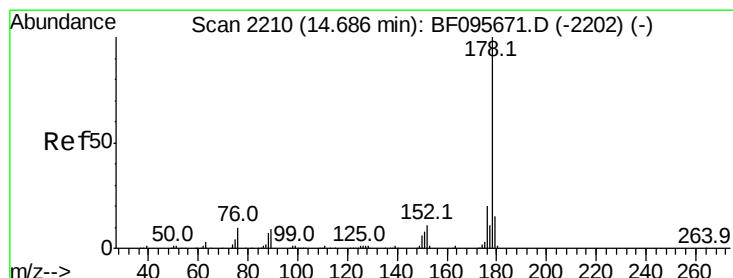
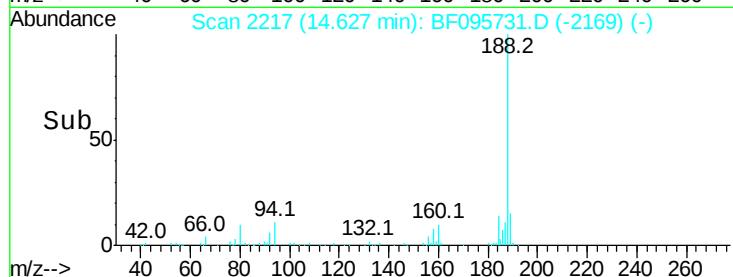
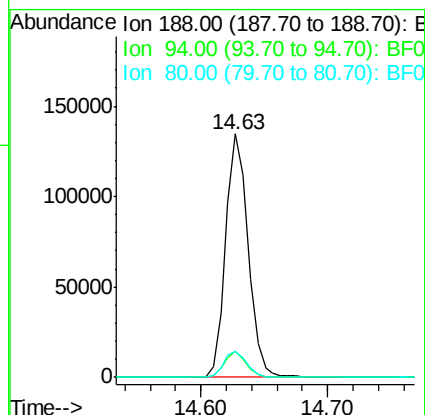
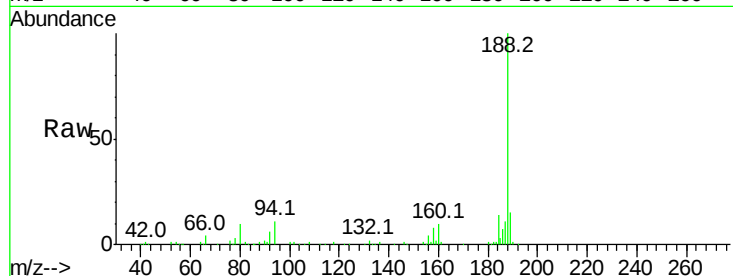




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

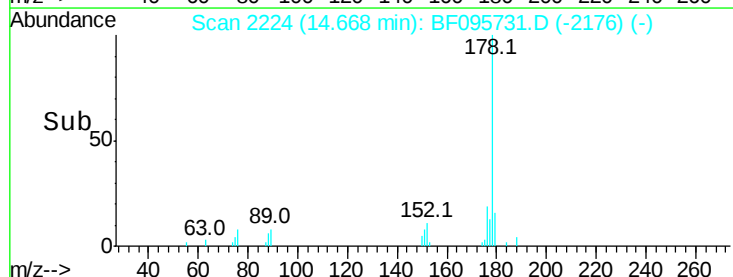
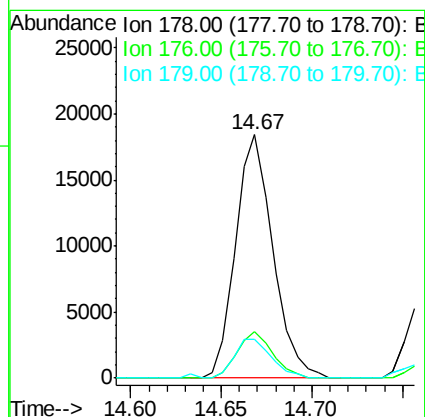
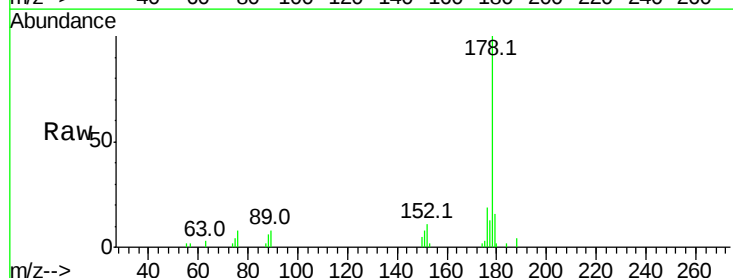
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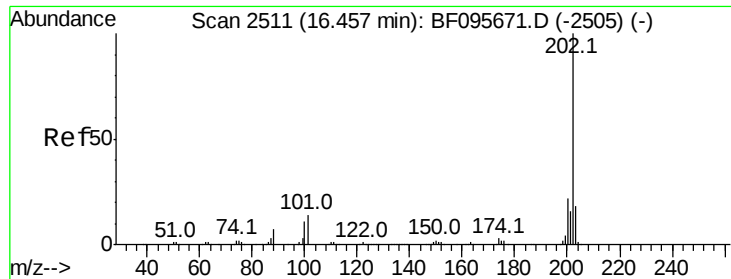
Tot Ion:188 Resp: 165535
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 10.5 10.2 15.2



#70
Phenanthrene
Concen: 2.75 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

Tgt Ion:178 Resp: 26306
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 15.8 12.6 19.0





#74

Fluoranthene

Concen: 6.83 ng

RT: 16.44 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF095731.D

Acq: 7 Jun 2017 2:55

Instrument :

BNA_F

ClientSampleId :

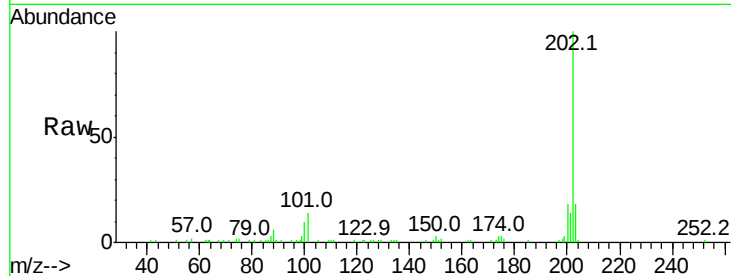
Tot Ion:202 Resp: 64553

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

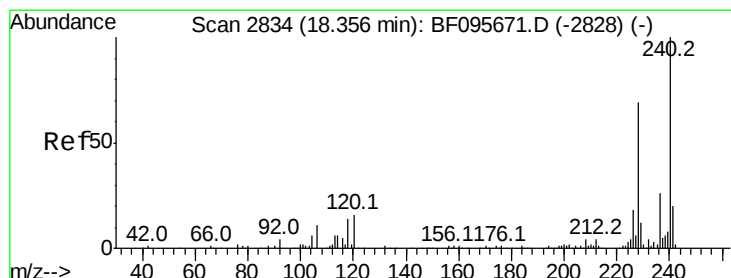
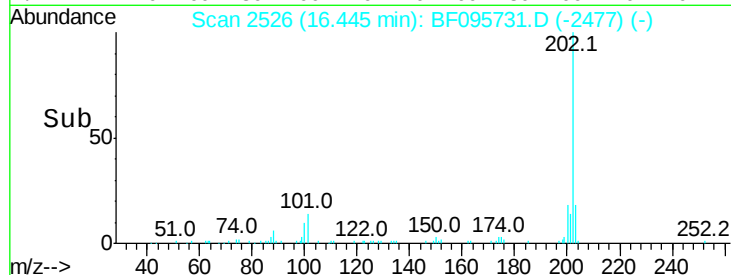
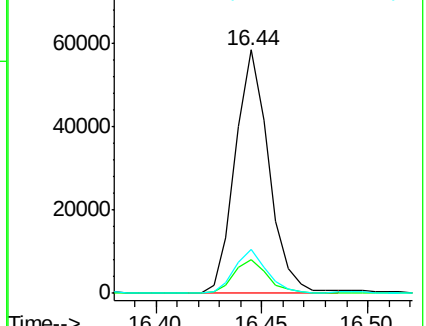
203 18.2 0.0 38.1



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: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095731.D

Acq: 7 Jun 2017 2:55

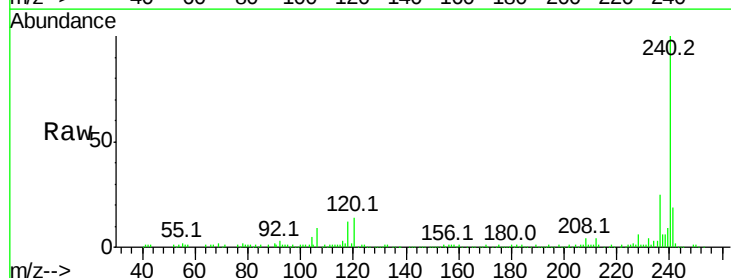
Tgt Ion:240 Resp: 139075

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

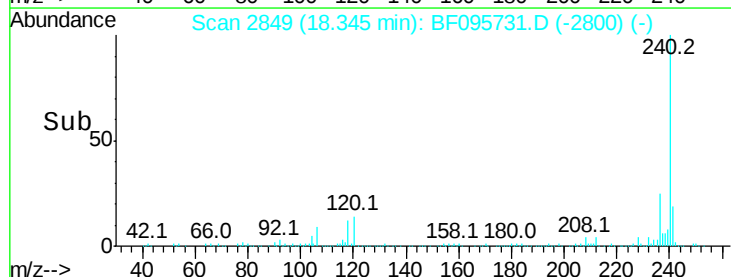
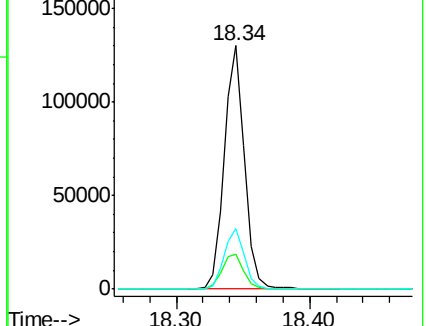
236 24.8 20.5 30.7

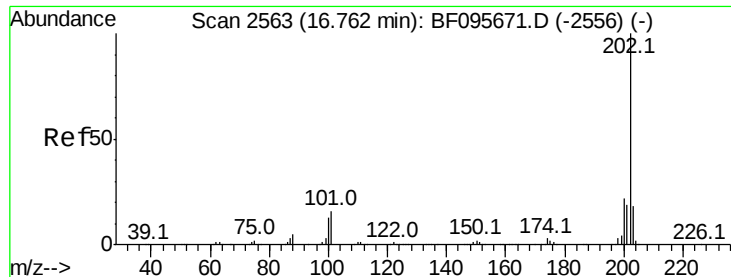


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

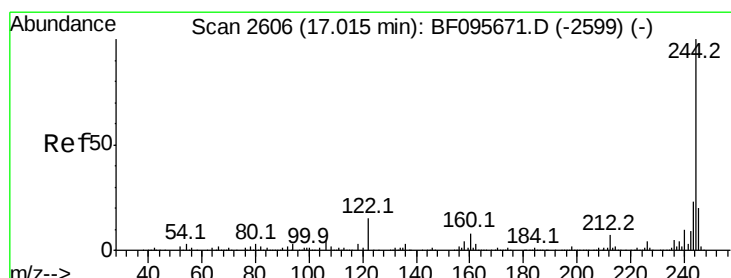
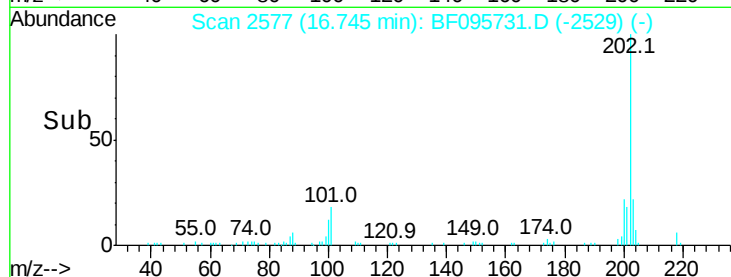
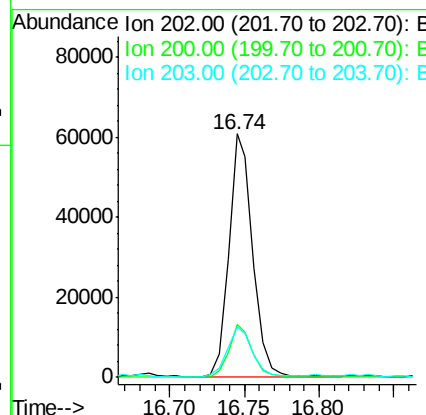
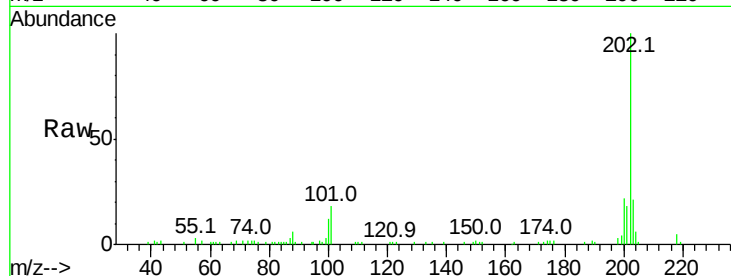




#77
Pvrene
Concen: 6.65 ng
RT: 16.74 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

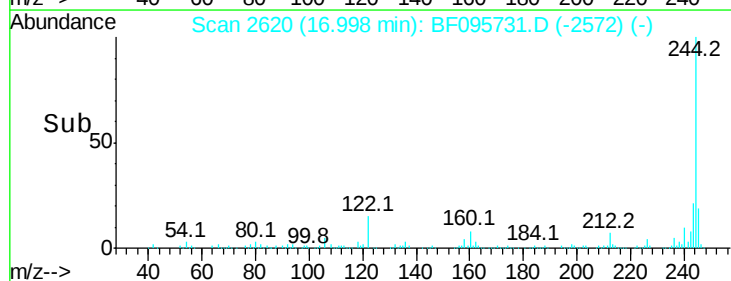
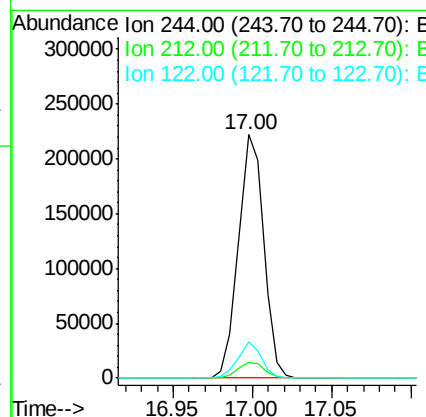
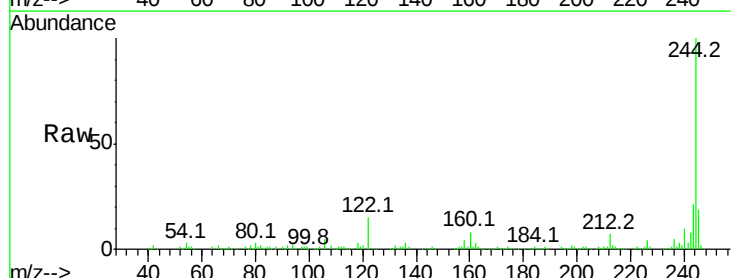
Instrument :
BNA_F
ClientSampleId :

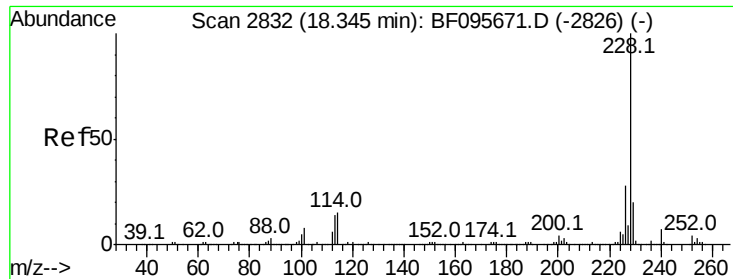
Tot Ion:202 Resp: 69041
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 20.9 14.4 21.6



#78
Terphenyl-d14
Concen: 44.02 ng
RT: 17.00 min Scan# 2620
Delta R.T. -0.02 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

Tgt Ion:244 Resp: 246687
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 14.7 10.3 15.5





#80

Benzo(a)anthracene

Concen: 3.62 ng

RT: 18.38 min Scan# 2855

Delta R.T. 0.04 min

Lab File: BF095731.D

Acq: 7 Jun 2017 2:55

Instrument :

BNA_F

ClientSampleId :

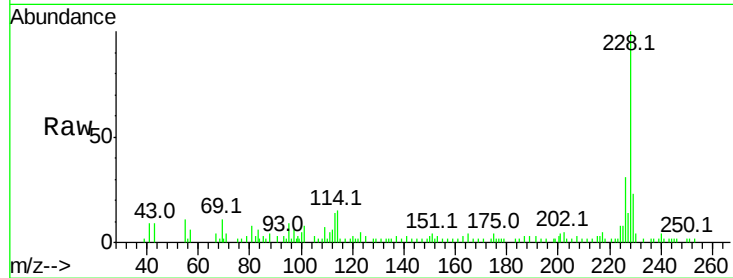
Tot Ion:228 Resp: 29274

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

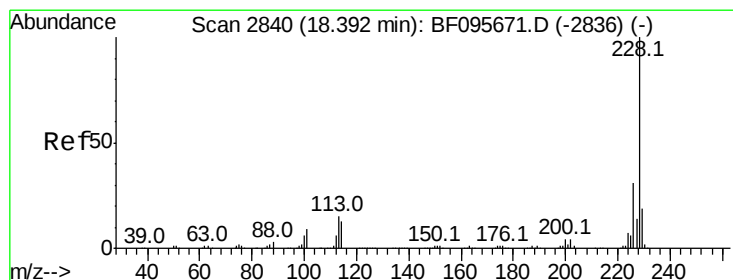
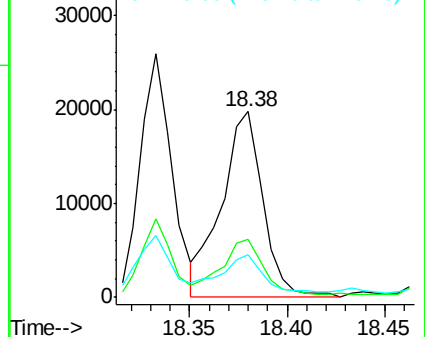
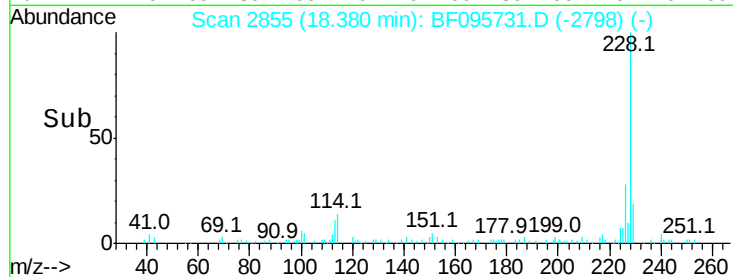
229 22.9 16.3 24.5



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: 3.62 ng

RT: 18.38 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BF095731.D

Acq: 7 Jun 2017 2:55

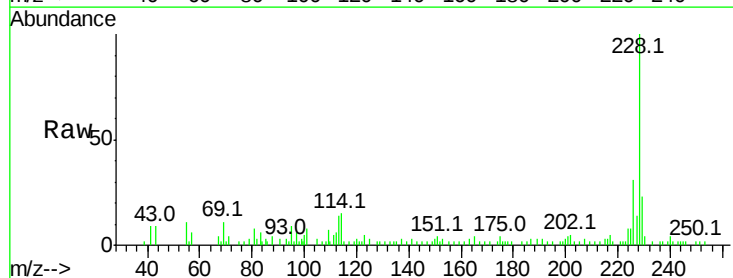
Tgt Ion:228 Resp: 29274

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

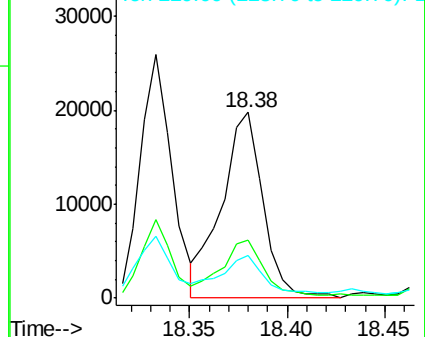
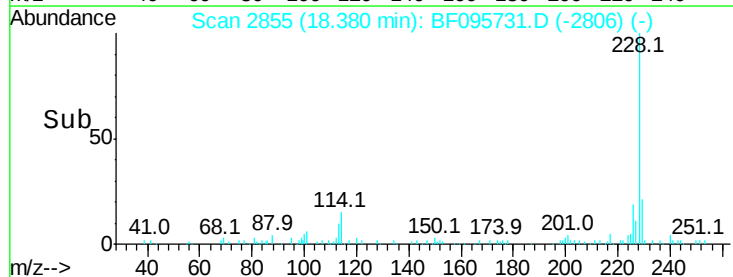
229 22.9 15.8 23.6

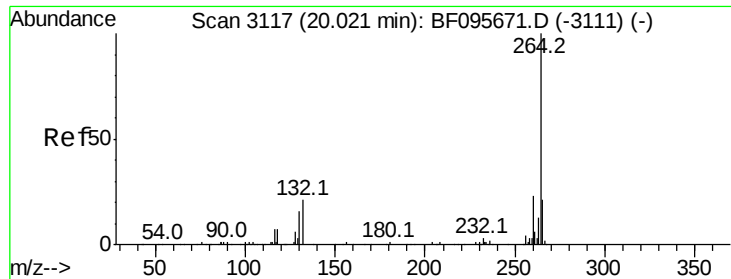


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

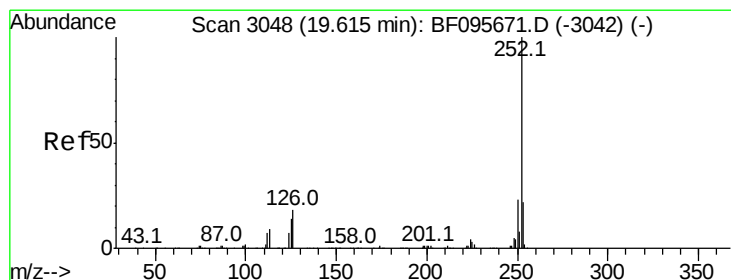
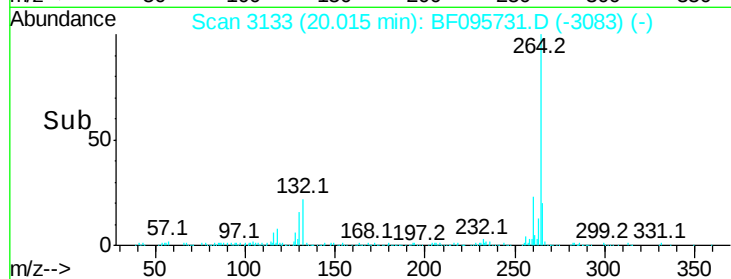
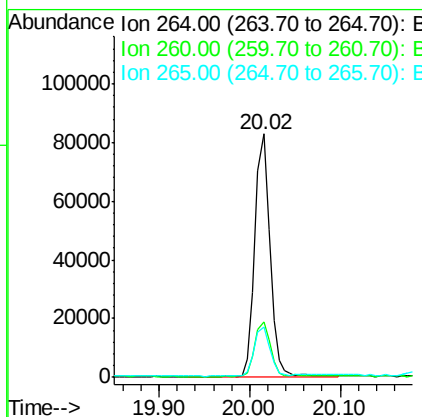
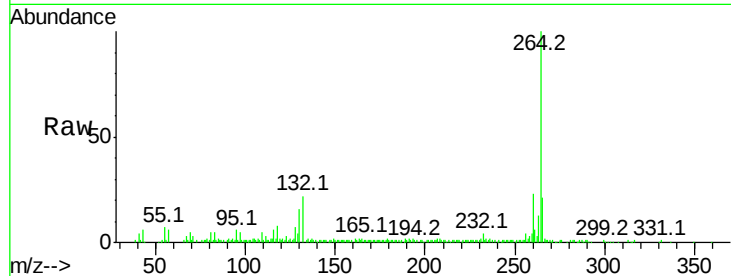




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

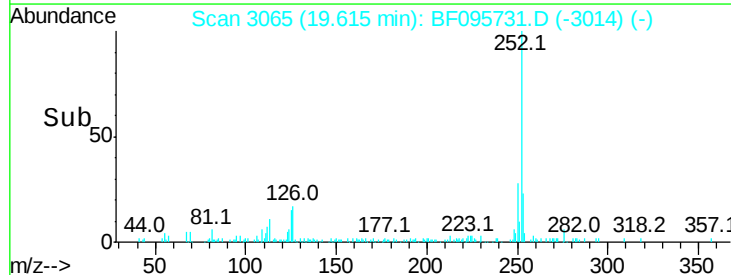
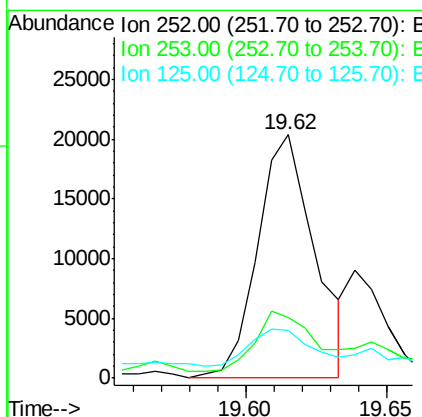
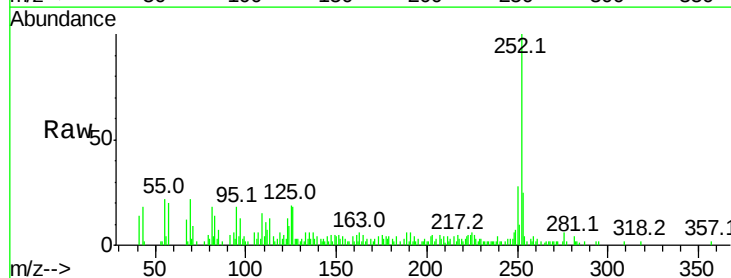
Instrument :
BNA_F
ClientSampled :

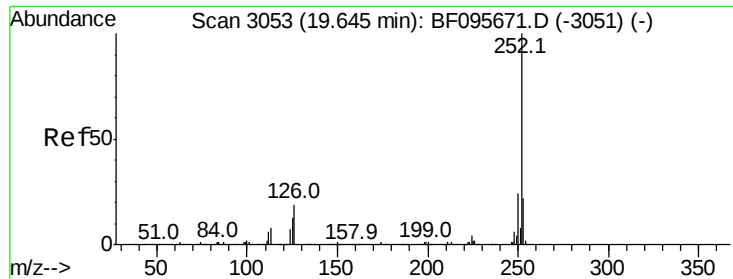
Tot Ion:264 Resp: 97427
Ion Ratio Lower Upper
264 100
260 22.9 19.5 29.3
265 20.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.69 ng
RT: 19.62 min Scan# 3065
Delta R.T. -0.00 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

Tgt Ion:252 Resp: 28609
Ion Ratio Lower Upper
252 100
253 25.1 18.1 27.1
125 19.5 9.8 14.8#

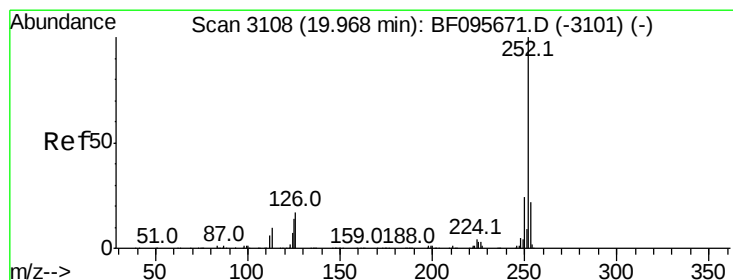
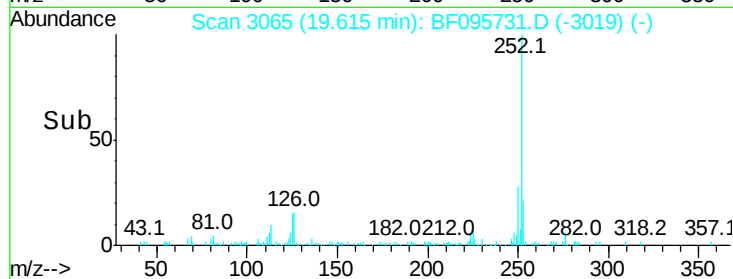
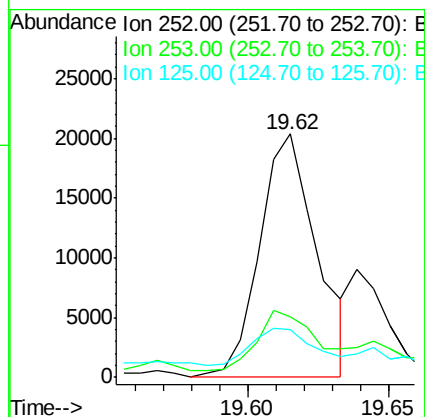
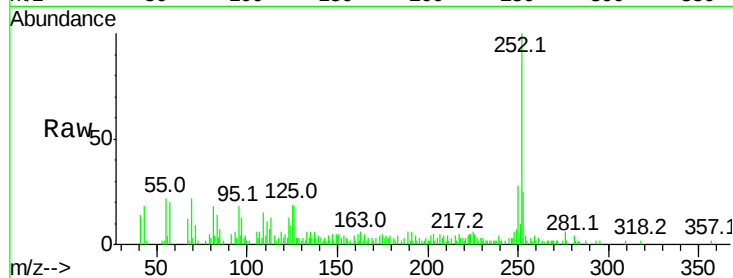




#88
Benzo(k)fluoranthene
Concen: 4.91 ng
RT: 19.62 min Scan# 3065
Delta R.T. -0.03 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

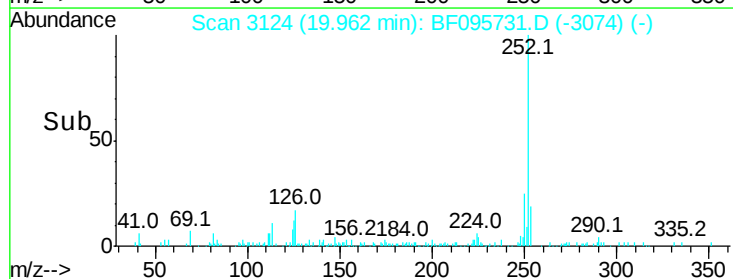
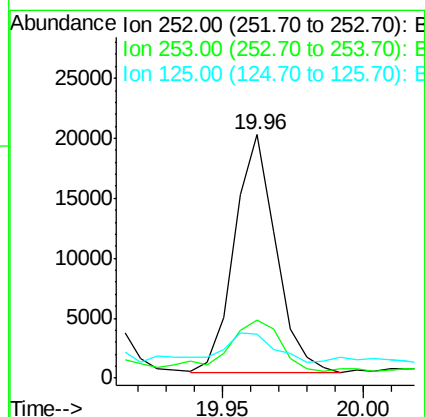
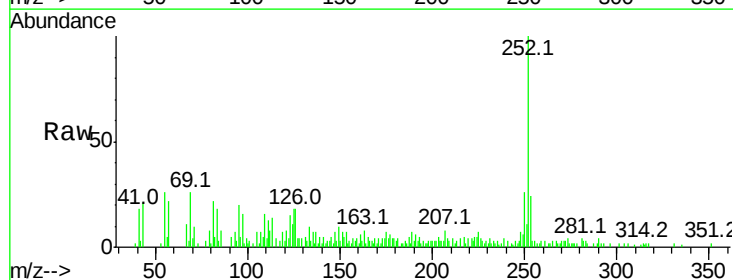
Instrument :
BNA_F
ClientSampled :

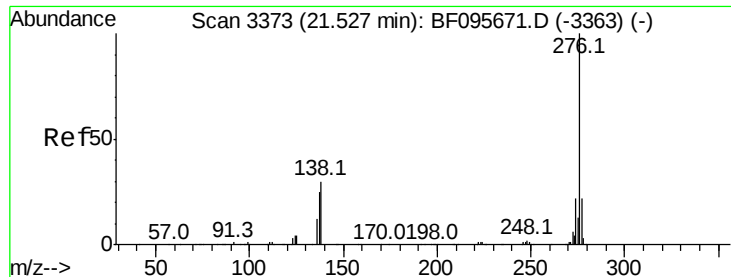
Tot Ion:252 Resp: 28609
Ion Ratio Lower Upper
252 100
253 25.1 18.4 27.6
125 19.5 13.1 19.7



#89
Benzo(a)pyrene
Concen: 3.61 ng
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095731.D
Acq: 7 Jun 2017 2:55

Tgt Ion:252 Resp: 20228
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 18.0 11.0 16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.59 ng
 RT: 21.54 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: BF095731.D
 Acq: 7 Jun 2017 2:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 12573
 Ion Ratio Lower Upper
 276 100
 277 29.7 18.6 28.0#
 138 28.3 25.4 38.0

