

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097643.D
 Acq On : 12 Aug 2017 19:48
 Operator : SJ/JU
 Sample : I4705-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-COMP

Quant Time: Aug 14 05:21:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

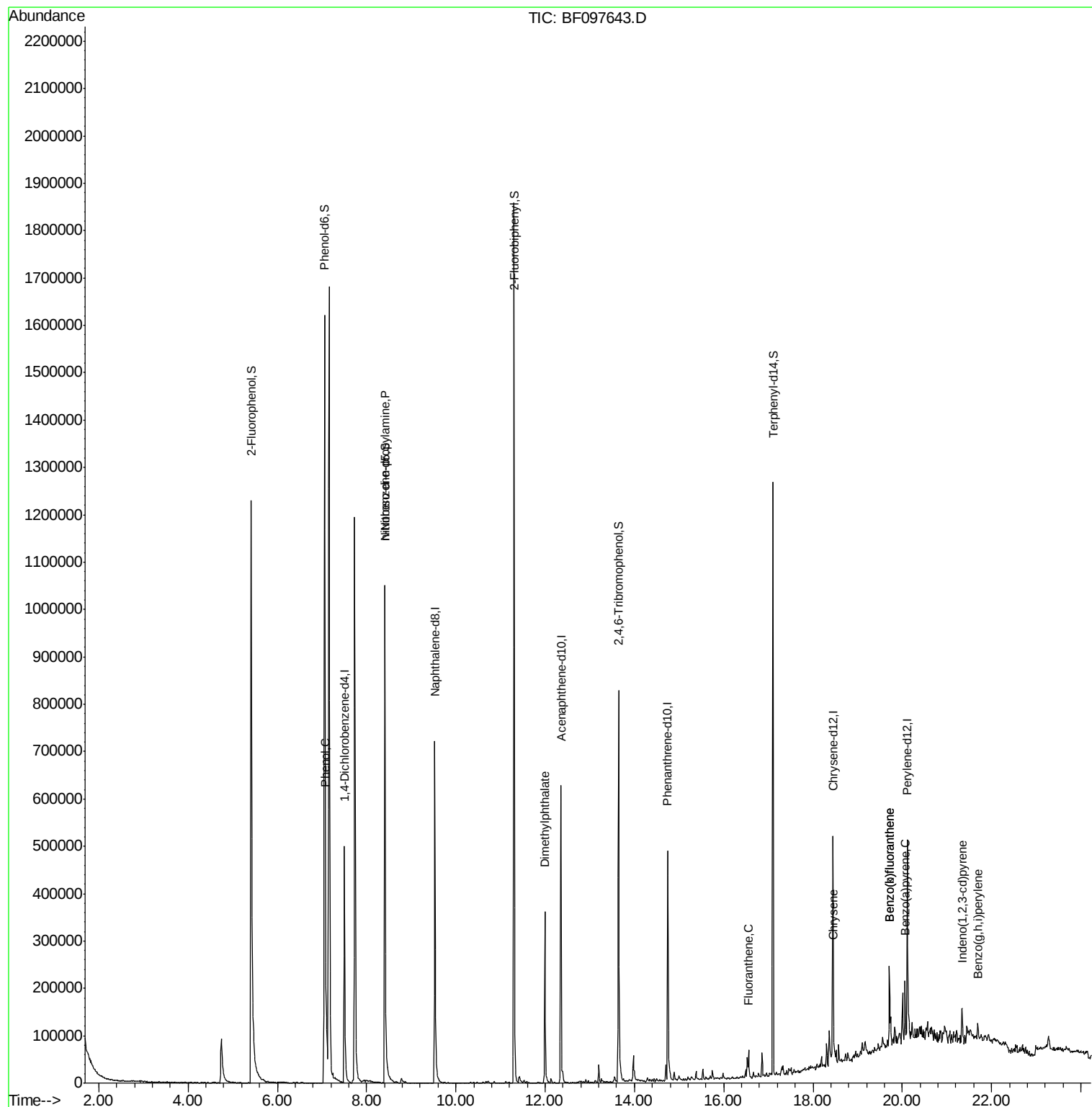
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	114335	20.00	ng	-0.01
21) Naphthalene-d8	9.53	136	481421	20.00	ng	-0.01
38) Acenaphthene-d10	12.35	164	173135	20.00	ng	-0.02
63) Phenanthrene-d10	14.74	188	254589	20.00	ng	-0.02
75) Chrysene-d12	18.44	240	181675	20.00	ng	-0.02
86) Perylene-d12	20.12	264	174680	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	636728	88.52	ng	0.01
7) Phenol-d6	7.06	99	828096	92.80	ng	0.00
23) Nitrobenzene-d5	8.41	82	463596	60.38	ng	-0.01
41) 2,4,6-Tribromophenol	13.64	330	127227	96.67	ng	-0.02
44) 2-Fluorobiphenyl	11.30	172	779662	67.96	ng	-0.02
78) Terphenyl-d14	17.10	244	443094	50.48	ng	-0.02
Target Compounds						
10) Phenol	7.07	94	20684	2.12	ng	# 49
19) n-Nitroso-di-n-propylamine	8.41	70	58640	9.45	ng	# 84
49) Dimethylphthalate	11.99	163	204375	15.32	ng	98
74) Fluoranthene	16.56	202	29651	2.24	ng	95
82) Chrysene	18.46	228	23612	2.24	ng	# 89
85) Indeno(1,2,3-cd)pyrene	21.34	276	24496	2.98	ng	93
87) Benzo(b)fluoranthene	19.71	252	101308	9.66	ng	# 96
88) Benzo(k)fluoranthene	19.71	252	101308	9.59	ng	99
89) Benzo(a)pyrene	20.06	252	46522	4.83	ng	# 96
91) Benzo(g,h,i)perylene	21.69	276	20290	2.68	ng	94

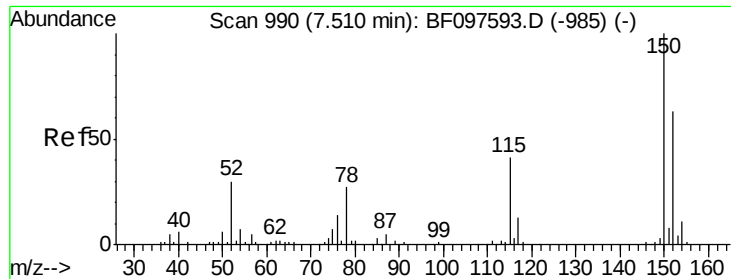
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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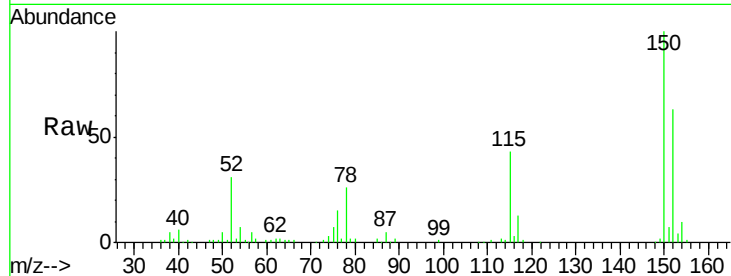


#1

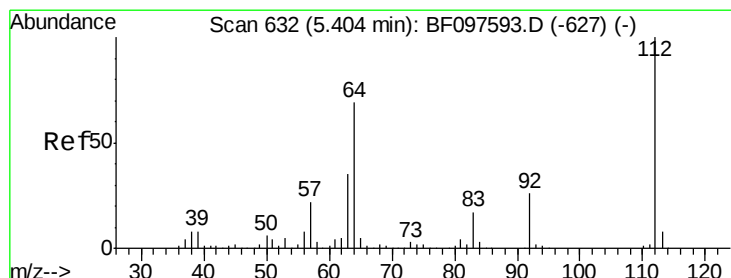
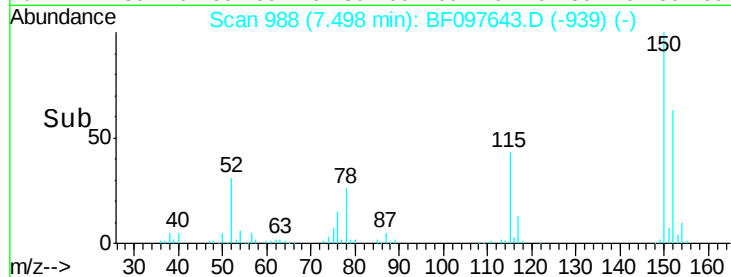
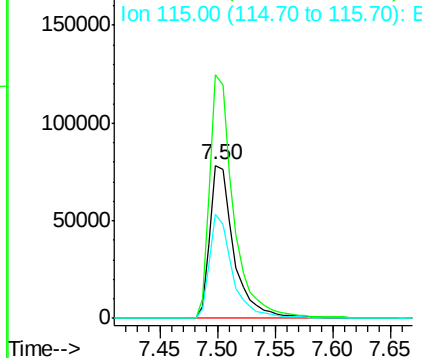
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.50 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF097643.D
Acq: 12 Aug 2017 19:48

Instrument :
BNA_F
ClientSampleId :
SP-B-COMP

Tot Ion:152 Resp: 114335
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.2
115 67.6 52.2 78.2



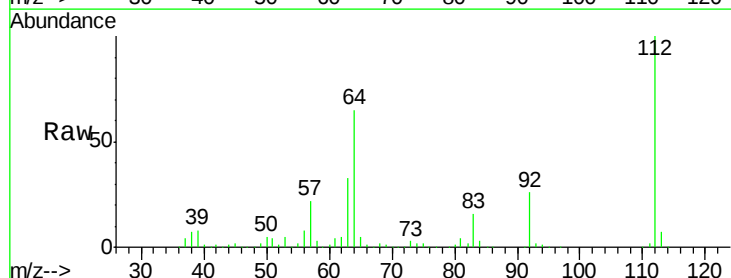
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



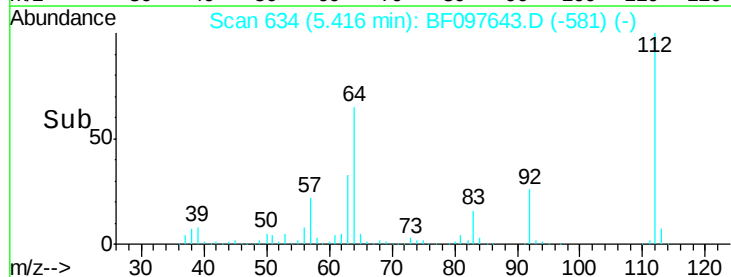
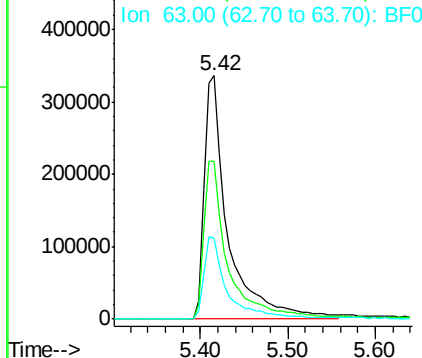
#5

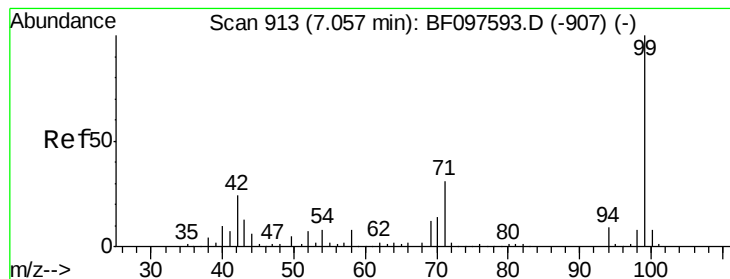
2-Fluorophenol
Concen: 88.52 ng
RT: 5.42 min Scan# 634
Delta R.T. 0.01 min
Lab File: BF097643.D
Acq: 12 Aug 2017 19:48

Tgt Ion:112 Resp: 636728
Ion Ratio Lower Upper
112 100
64 64.8 46.0 69.0
63 33.4 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: 92.80 ng

RT: 7.06 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF097643.D

Acq: 12 Aug 2017 19:48

Instrument :

BNA_F

ClientSampleId :

SP-B-COMP

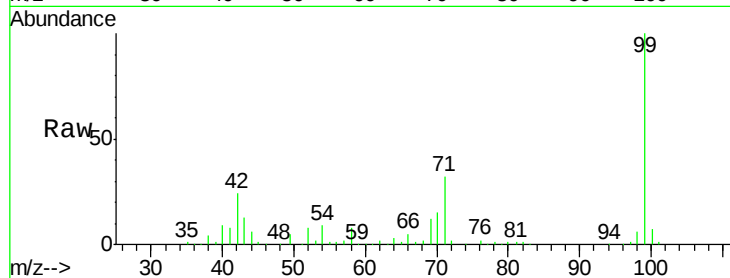
Tot Ion: 99 Resp: 828096

Ion Ratio Lower Upper

99 100

42 24.2 13.5 20.3#

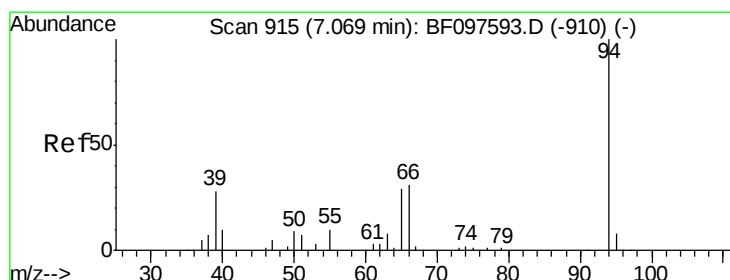
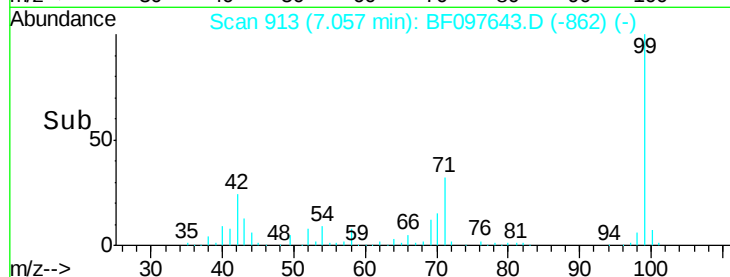
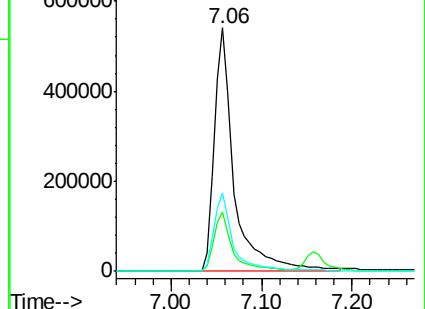
71 32.5 24.5 36.7



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



#10

Phenol

Concen: 2.12 ng

RT: 7.07 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF097643.D

Acq: 12 Aug 2017 19:48

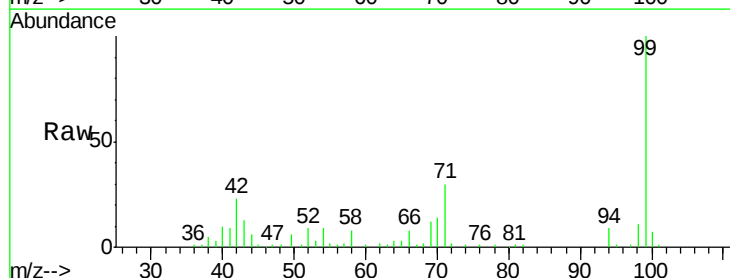
Tgt Ion: 94 Resp: 20684

Ion Ratio Lower Upper

94 100

65 37.6 9.9 49.9

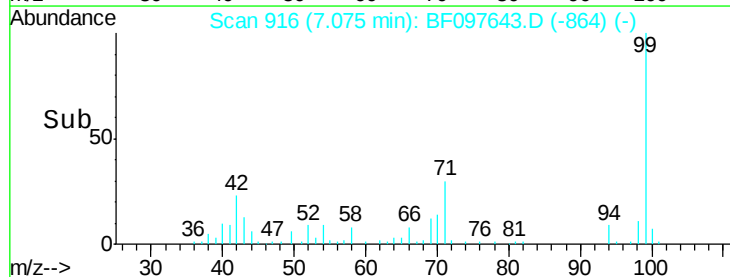
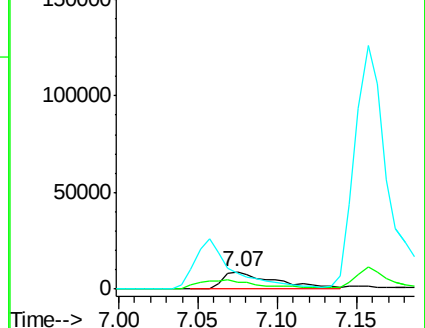
66 92.4 23.1 63.1#

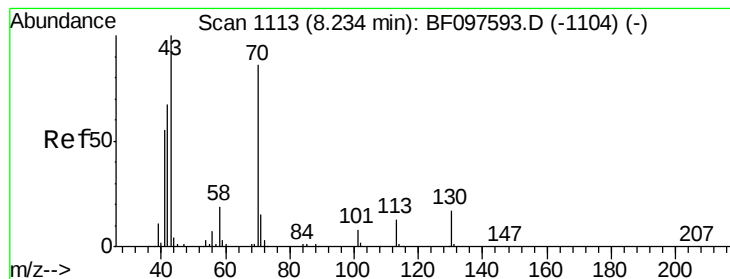


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 9.45 ng

RT: 8.41 min Scan# 1143

Delta R.T. 0.18 min

Lab File: BF097643.D

Acq: 12 Aug 2017 19:48

Instrument :

BNA_F

ClientSampleId :

SP-B-COMP

Tot Ion: 70 Resp: 58640

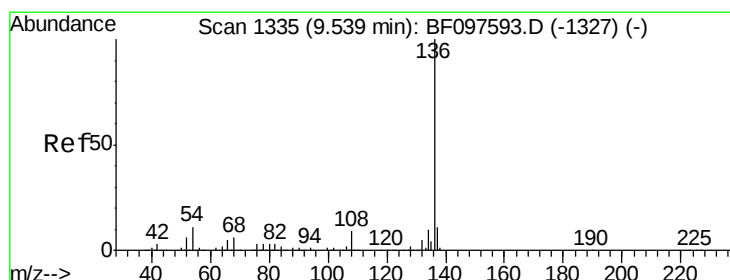
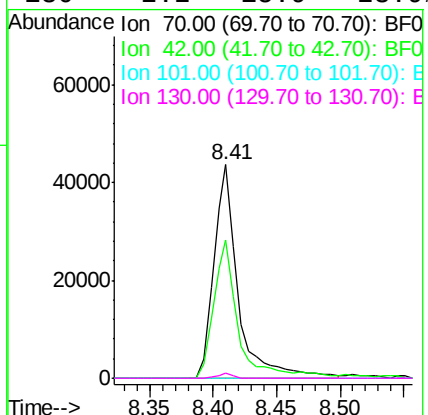
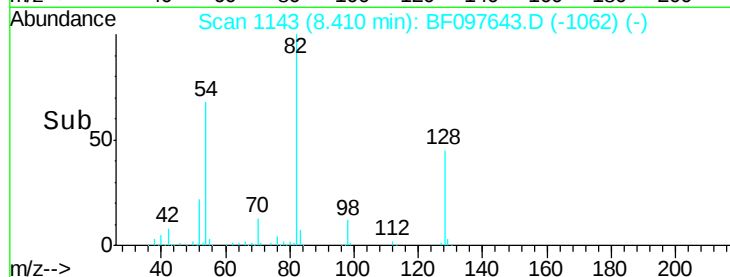
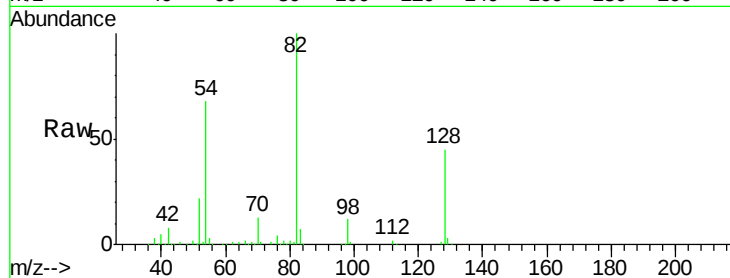
Ion Ratio Lower Upper

70 100

42 64.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.53 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF097643.D

Acq: 12 Aug 2017 19:48

Tgt Ion: 136 Resp: 481421

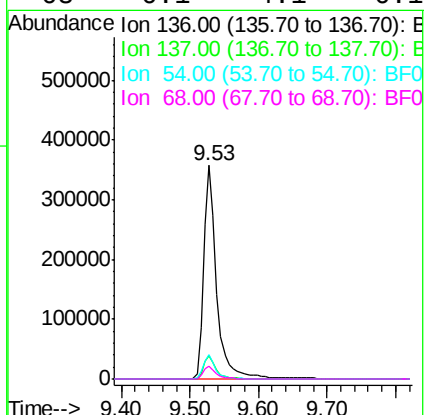
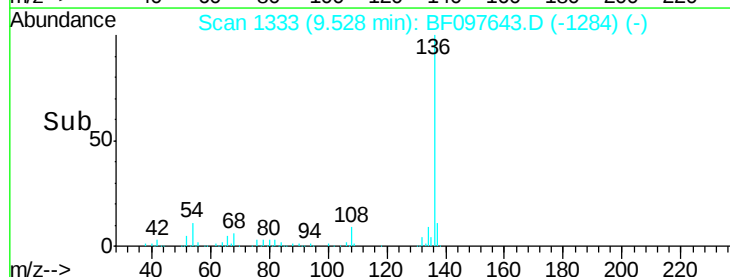
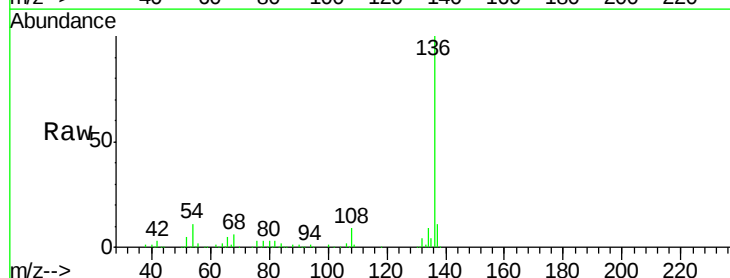
Ion Ratio Lower Upper

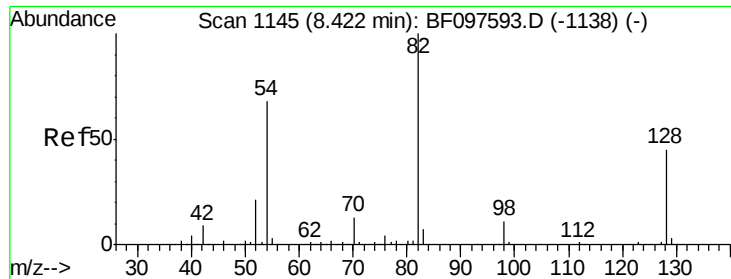
136 100

137 10.6 8.5 12.7

54 11.1 4.9 7.3#

68 6.1 4.1 6.1

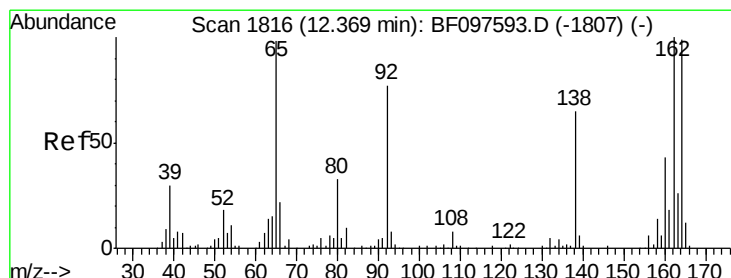
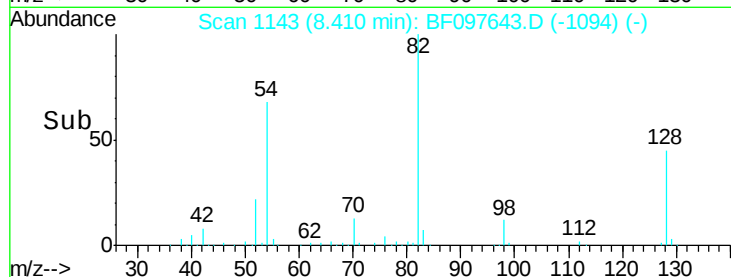
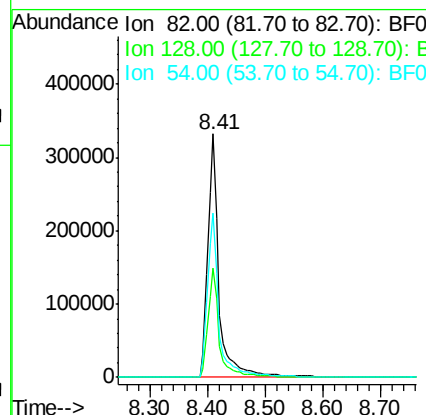
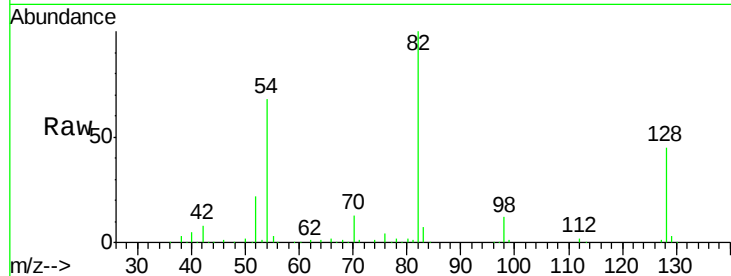




#23
 Nitrobenzene-d5
 Concen: 60.38 ng
 RT: 8.41 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF097643.D
 Acq: 12 Aug 2017 19:48

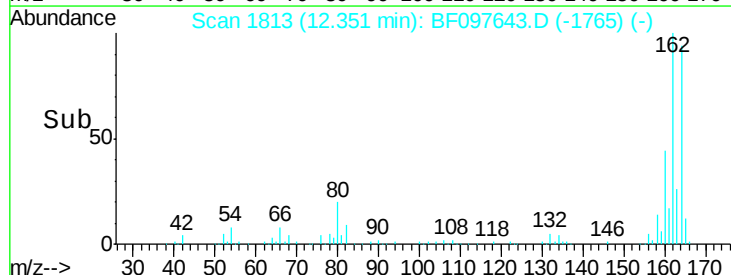
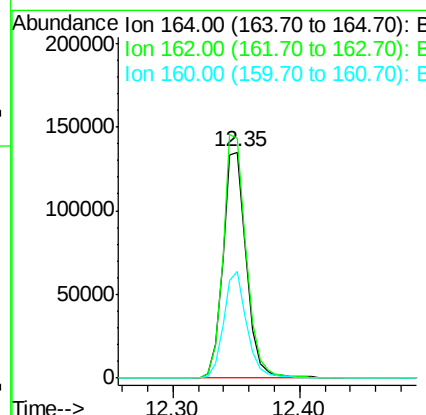
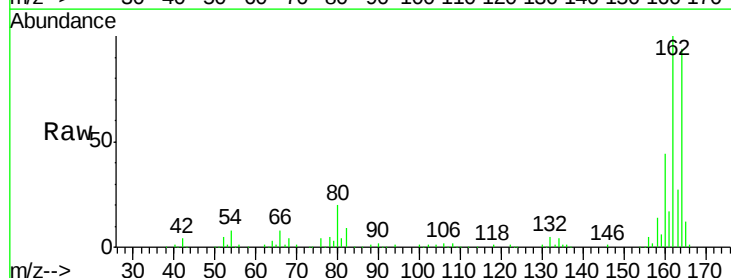
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-COMP

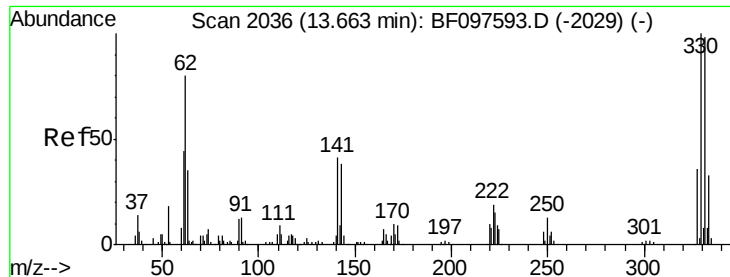
Tot Ion	82	Resp	463596
Ion Ratio	100	Lower	Upper
128	44.8	34.0	51.0
54	67.7	42.2	63.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.35 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF097643.D
 Acq: 12 Aug 2017 19:48

Tgt Ion	164	Resp	173135
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	106.0	82.6	123.8
160	47.1	36.2	54.2

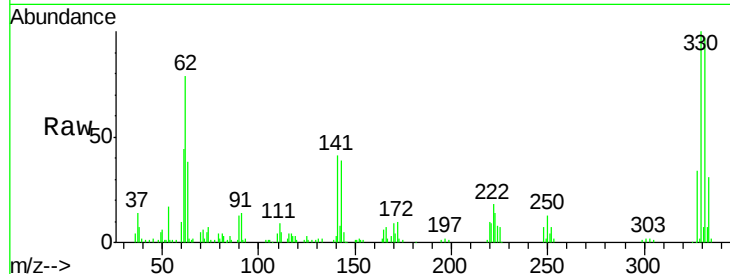




#41
 2,4,6-Tribromophenol
 Concen: 96.67 ng
 RT: 13.64 min Scan# 2033
 Delta R.T. -0.02 min
 Lab File: BF097643.D
 Acq: 12 Aug 2017 19:48

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	115.0
141	41.3	31.4	47.2

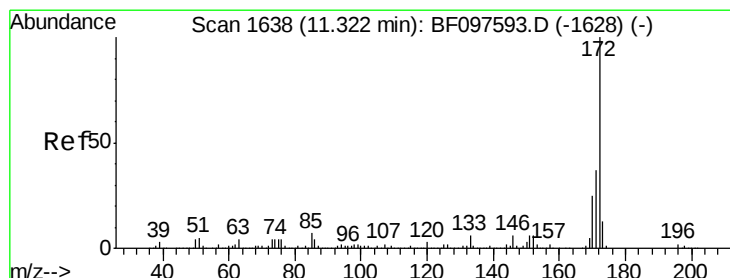
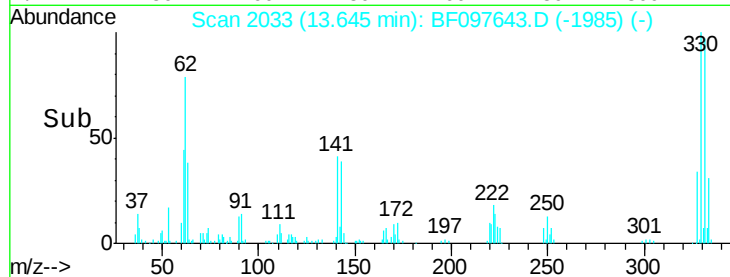
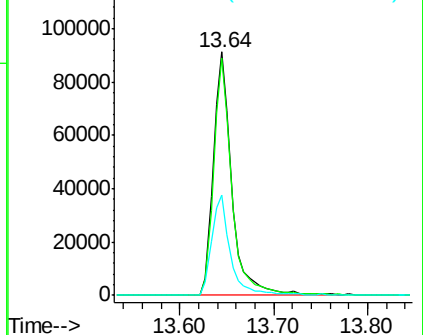


Abundance

Ion 329.80 (329.50 to 330.50): E

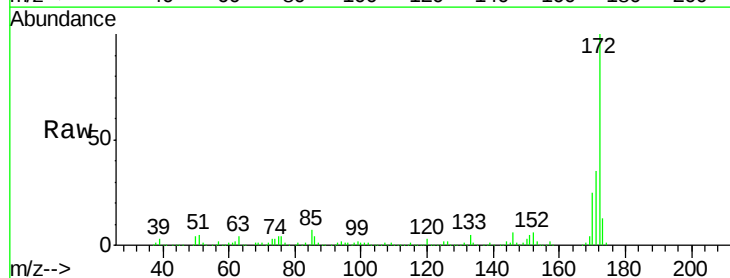
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 67.96 ng
 RT: 11.30 min Scan# 1635
 Delta R.T. -0.02 min
 Lab File: BF097643.D
 Acq: 12 Aug 2017 19:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	24.6	19.8	29.8

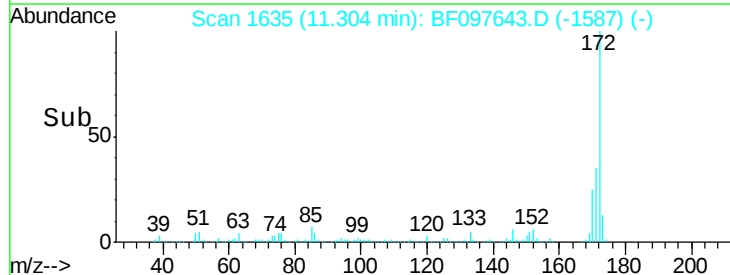
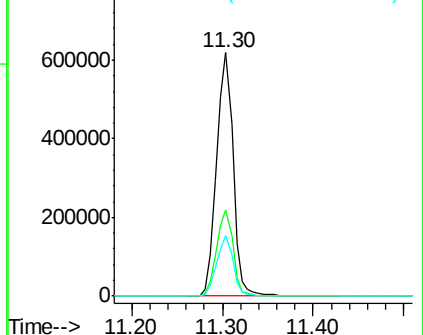


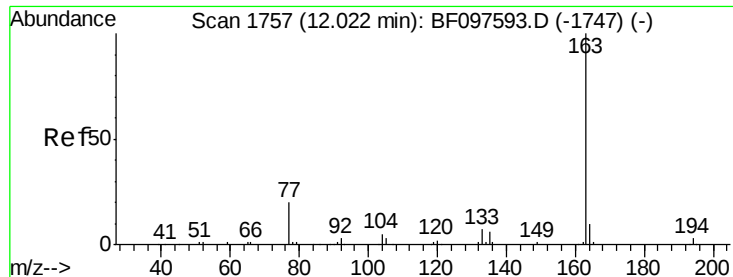
Abundance

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





#49

Dimethylphthalate

Concen: 15.32 ng

RT: 11.99 min Scan# 1752

Delta R.T. -0.03 min

Lab File: BF097643.D

Acq: 12 Aug 2017 19:48

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ClientSampleId :

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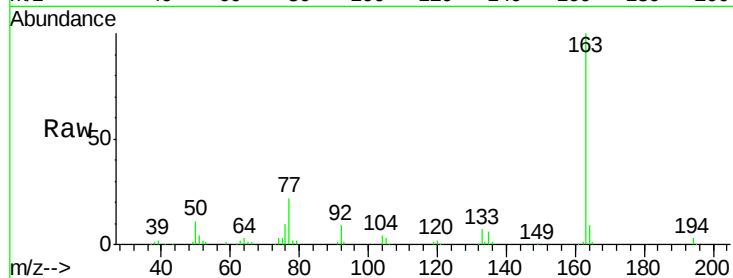
Tot Ion:163 Resp: 204375

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

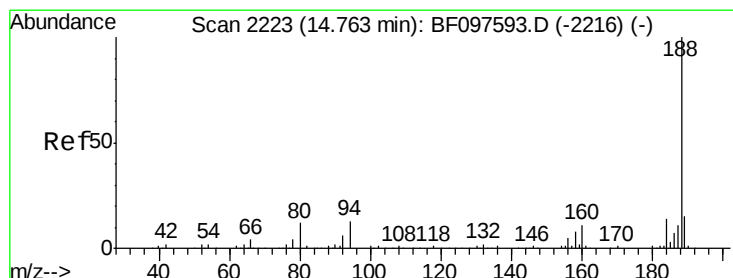
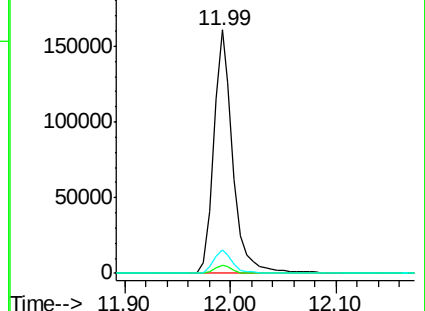
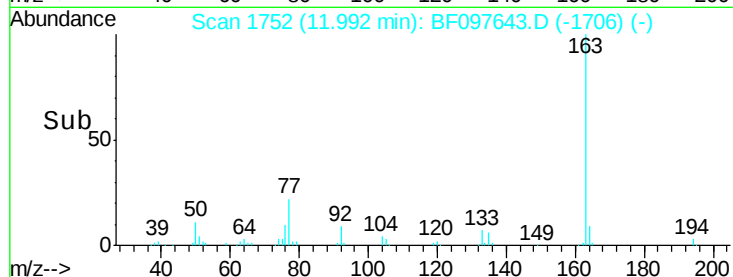
164 9.4 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.74 min Scan# 2220

Delta R.T. -0.02 min

Lab File: BF097643.D

Acq: 12 Aug 2017 19:48

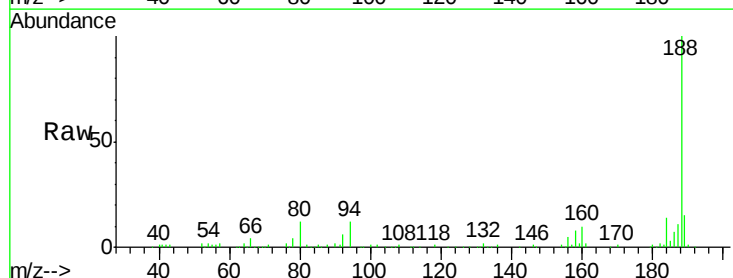
Tgt Ion:188 Resp: 254589

Ion Ratio Lower Upper

188 100

94 12.0 9.4 14.2

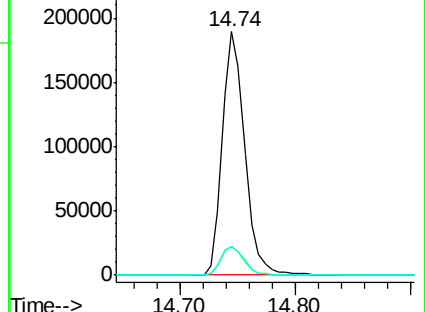
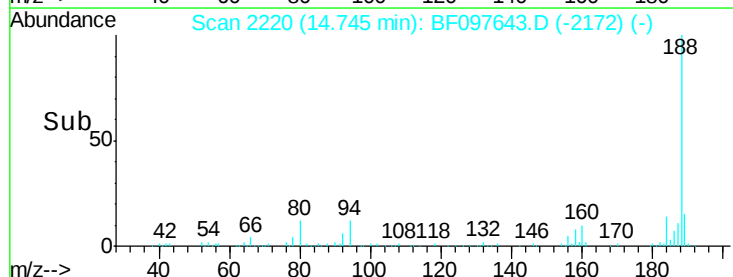
80 11.5 10.2 15.2

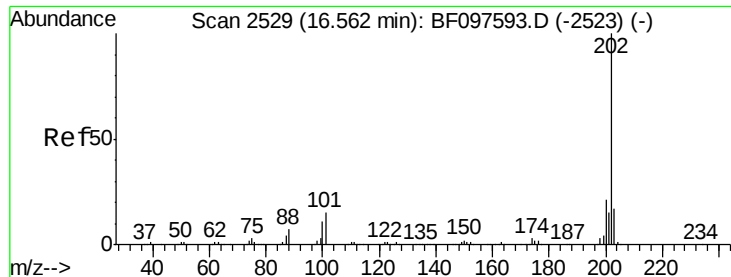


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.24 ng

RT: 16.56 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF097643.D

Acq: 12 Aug 2017 19:48

Instrument :

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ClientSampleId :

SP-B-COMP

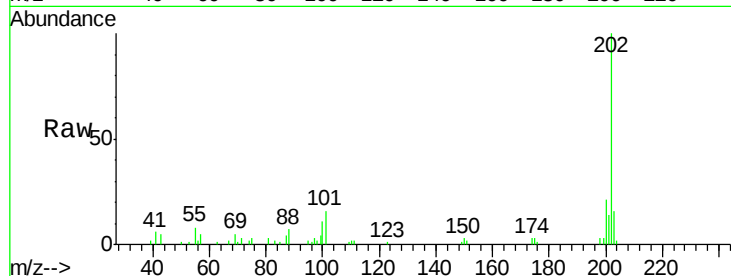
Tot Ion:202 Resp: 29651

Ion Ratio Lower Upper

202 100

101 15.6 0.0 33.2

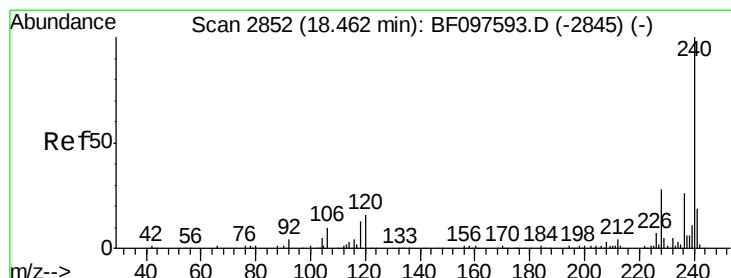
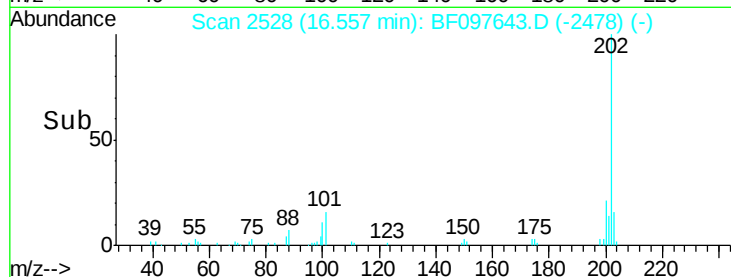
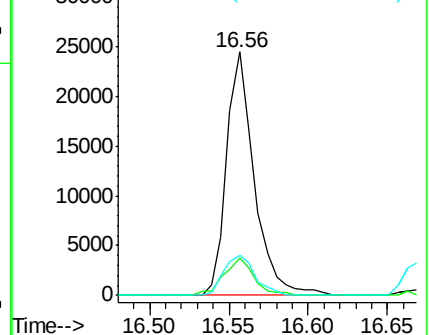
203 16.2 0.0 38.1



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: 18.44 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BF097643.D

Acq: 12 Aug 2017 19:48

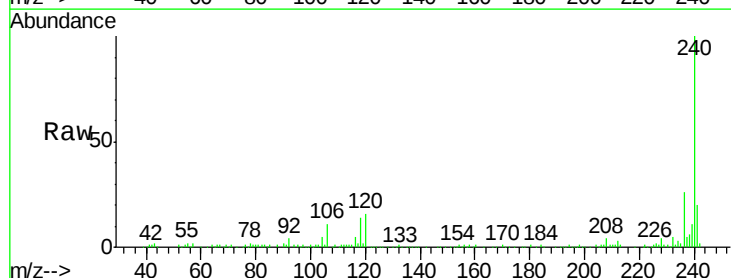
Tgt Ion:240 Resp: 181675

Ion Ratio Lower Upper

240 100

120 15.7 5.8 8.8#

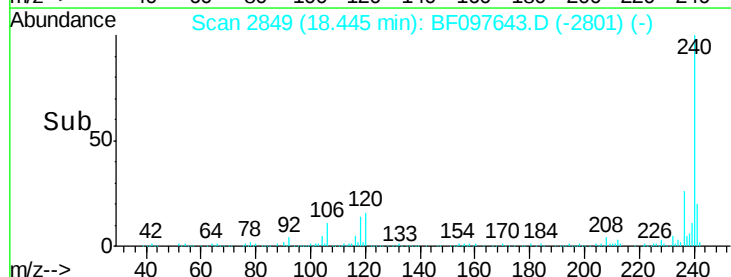
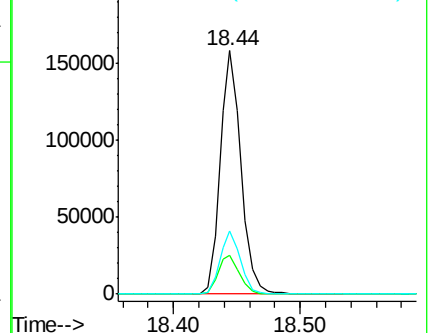
236 26.2 20.5 30.7

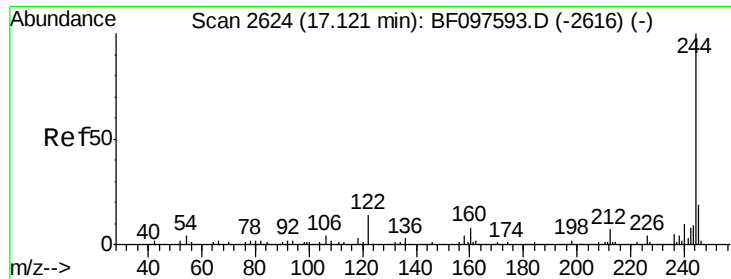


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

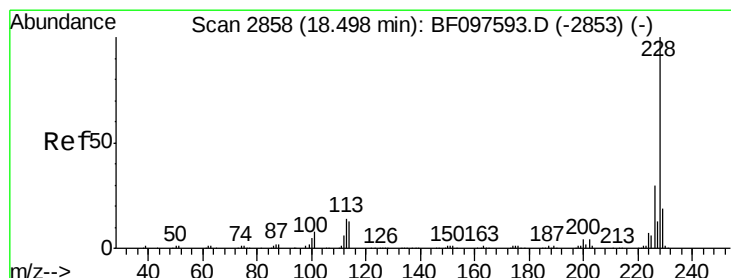
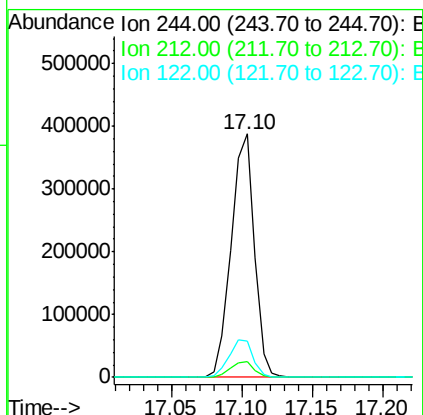
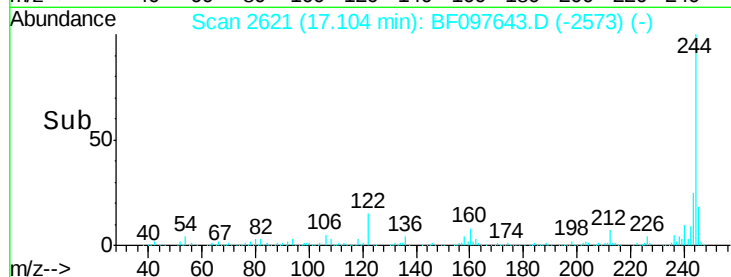
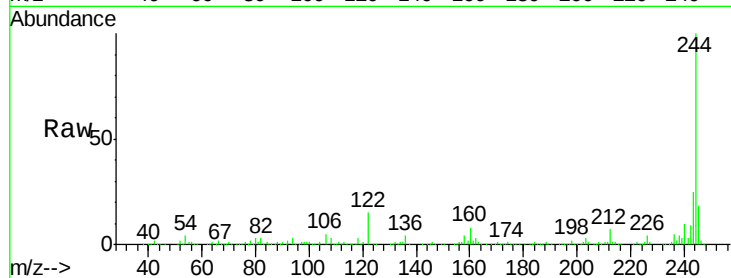




#78
 Terphenyl-d14
 Concen: 50.48 ng
 RT: 17.10 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: BF097643.D
 Acq: 12 Aug 2017 19:48

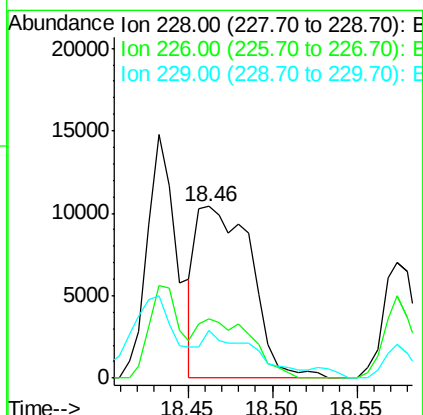
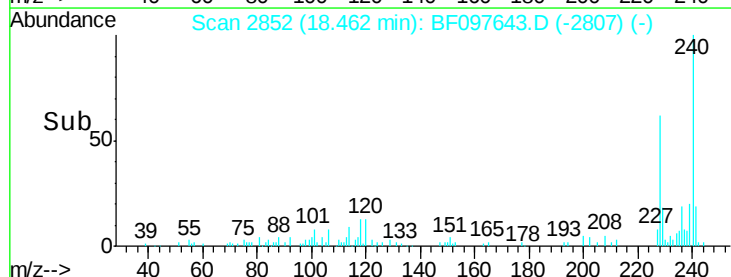
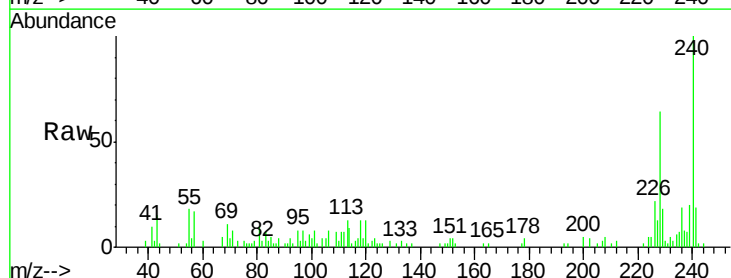
Instrument :
 BNA_F
 ClientSampleId :
 SP-B-COMP

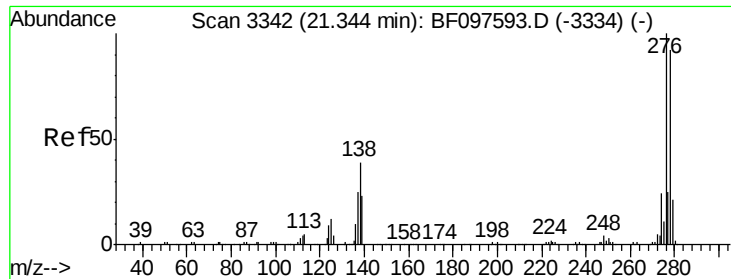
Tot Ion:244 Resp: 443094
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 15.0 10.3 15.5



#82
 Chrysene
 Concen: 2.24 ng
 RT: 18.46 min Scan# 2852
 Delta R.T. -0.04 min
 Lab File: BF097643.D
 Acq: 12 Aug 2017 19:48

Tgt Ion:228 Resp: 23612
 Ion Ratio Lower Upper
 228 100
 226 34.5 24.9 37.3
 229 28.1 15.8 23.6#

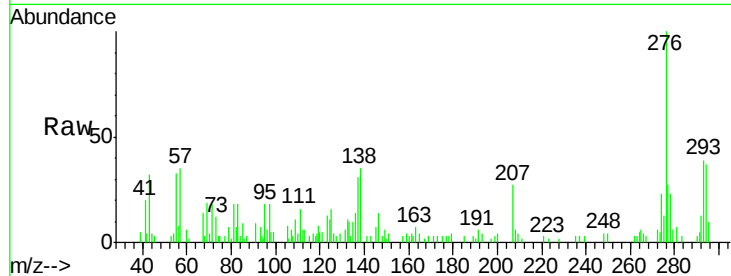




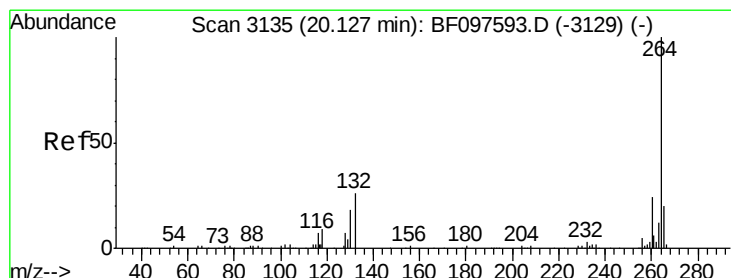
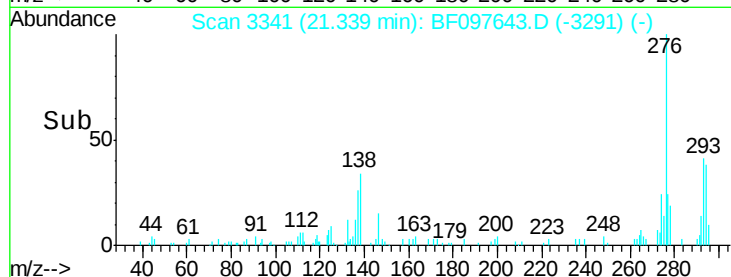
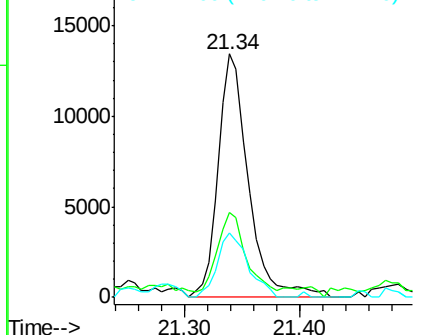
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.98 ng
 RT: 21.34 min Scan# 3341
 Delta R.T. -0.01 min
 Lab File: BF097643.D
 Acq: 12 Aug 2017 19:48

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	27.8	41.6
277	26.8	20.2	30.4

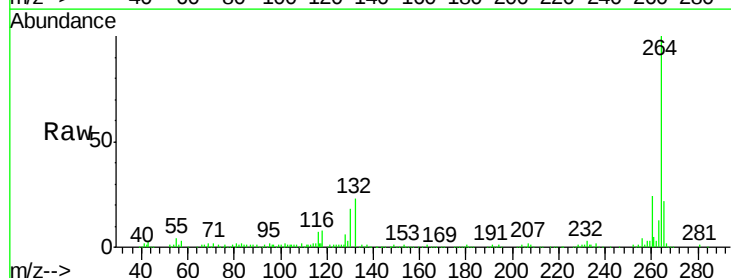


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

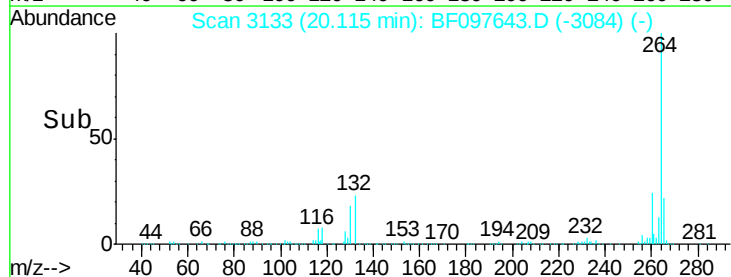
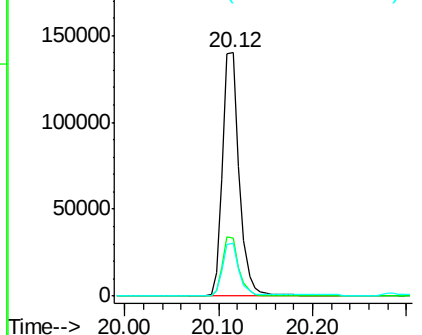


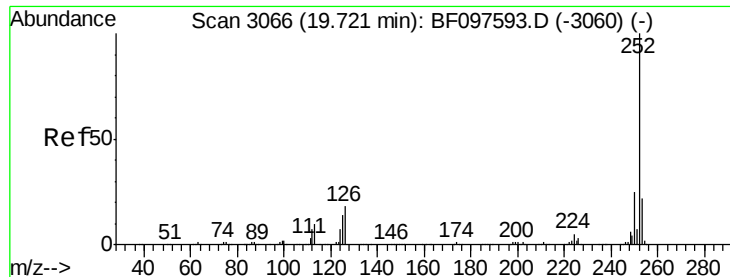
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.12 min Scan# 3133
 Delta R.T. -0.01 min
 Lab File: BF097643.D
 Acq: 12 Aug 2017 19:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.7	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: 9.66 ng

RT: 19.71 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BF097643.D

Acq: 12 Aug 2017 19:48

Instrument :

BNA_F

ClientSampleId :

SP-B-COMP

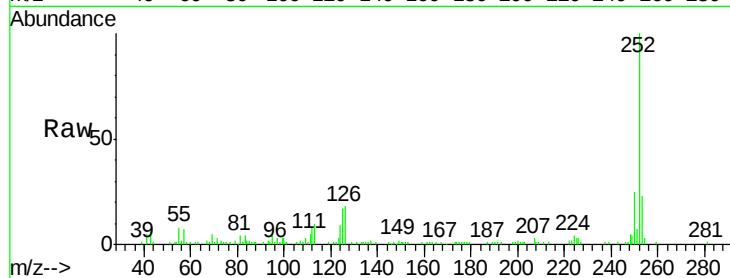
Tot Ion:252 Resp: 101308

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

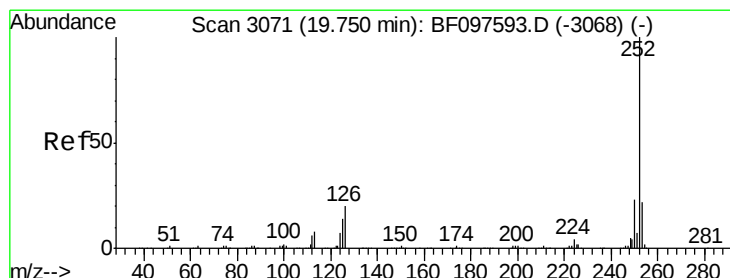
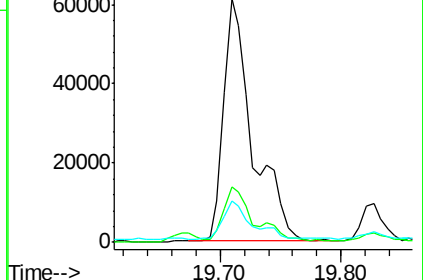
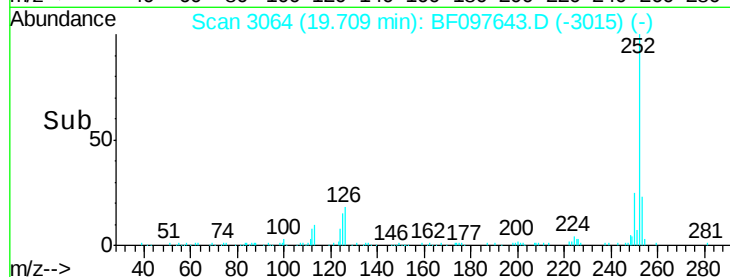
125 16.8 9.8 14.8#



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: 9.59 ng

RT: 19.71 min Scan# 3064

Delta R.T. -0.04 min

Lab File: BF097643.D

Acq: 12 Aug 2017 19:48

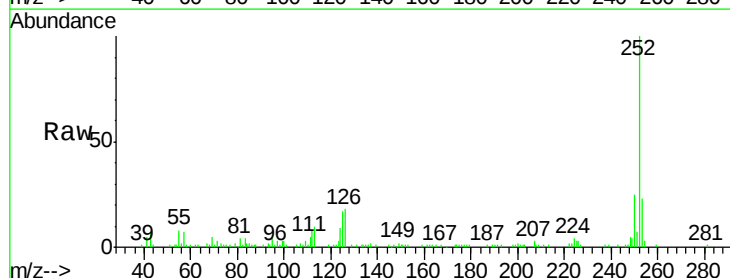
Tgt Ion:252 Resp: 101308

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

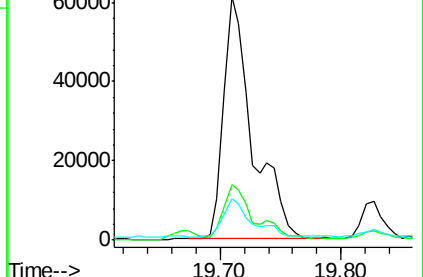
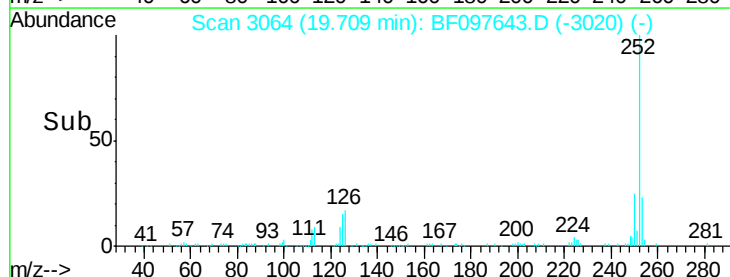
125 16.8 13.1 19.7

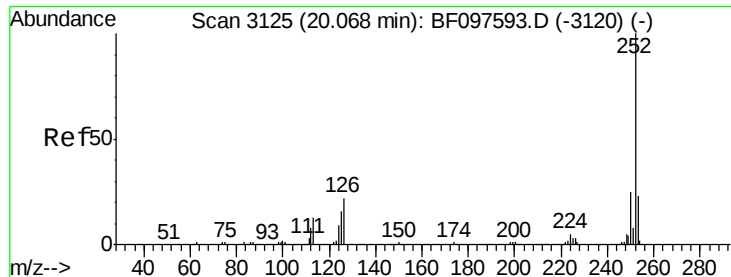


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

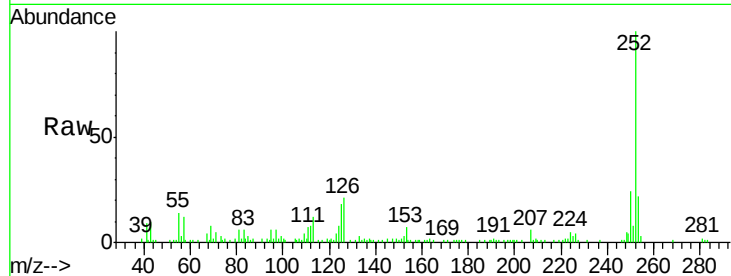




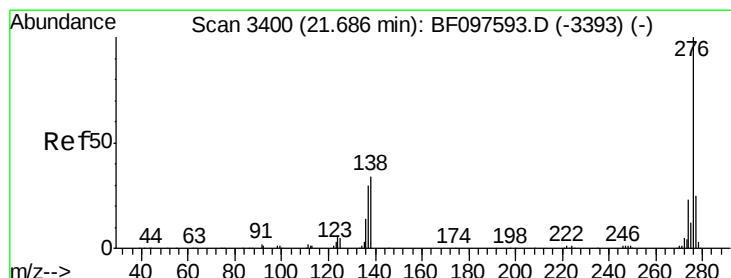
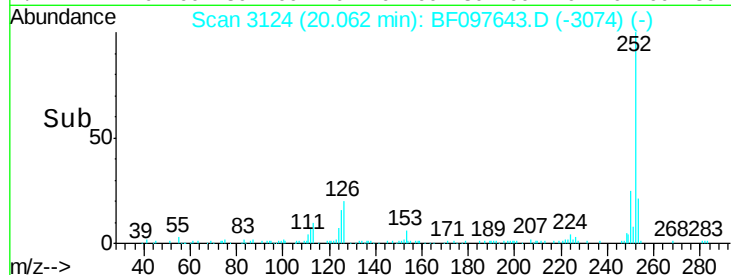
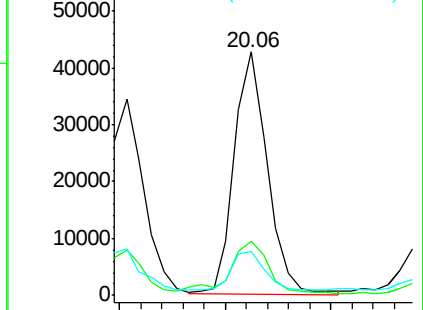
#89
Benzo(a)pyrene
Concen: 4.83 ng
RT: 20.06 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF097643.D
Acq: 12 Aug 2017 19:48

Instrument :
BNA_F
ClientSampleId :
SP-B-COMP

Tot Ion:252 Resp: 46522
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 17.9 11.0 16.4#

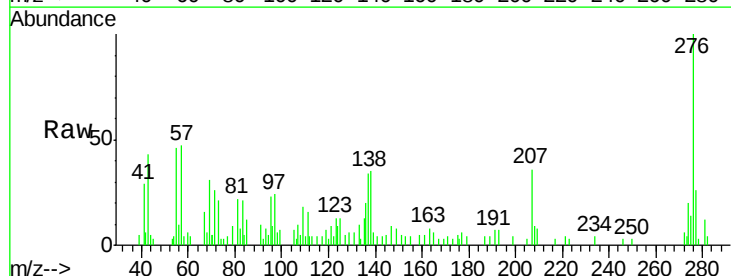


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.68 ng
RT: 21.69 min Scan# 3400
Delta R.T. 0.00 min
Lab File: BF097643.D
Acq: 12 Aug 2017 19:48

Tgt Ion:276 Resp: 20290
Ion Ratio Lower Upper
276 100
277 26.3 18.6 28.0
138 35.2 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

