

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097628.D
 Acq On : 12 Aug 2017 9:19
 Operator : SJ/JU
 Sample : I4736-10 20X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-36-COMP

Quant Time: Aug 14 01:01:41 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

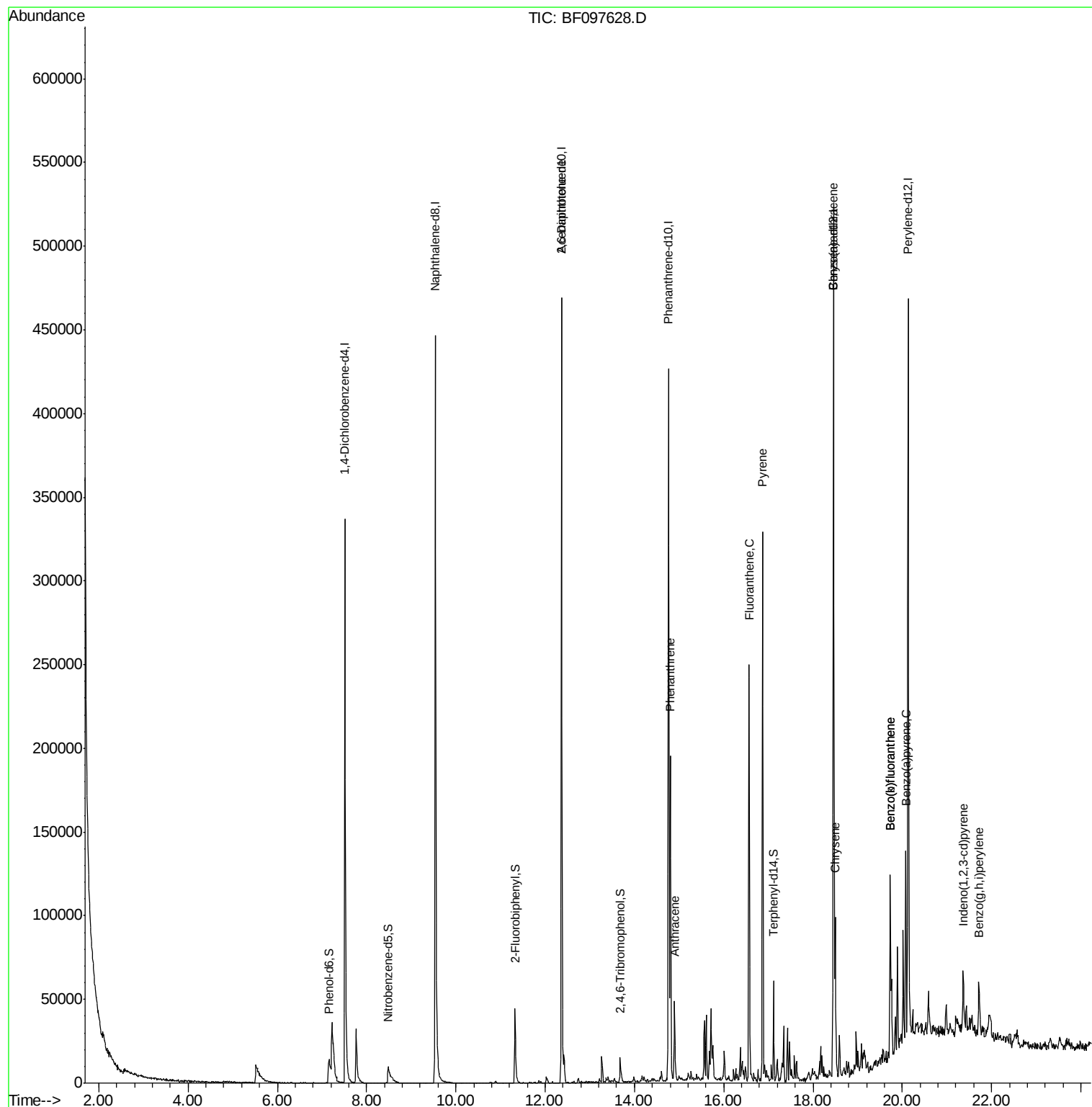
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	84597	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	336544	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	135317	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	204409	20.00	ng	0.00
75) Chrysene-d12	18.46	240	195738	20.00	ng	0.00
86) Perylene-d12	20.13	264	184492	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	10276	1.93	ng	0.12
7) Phenol-d6	7.16	99	22773	3.45	ng	0.10
23) Nitrobenzene-d5	8.48	82	16679	3.11	ng	0.06
41) 2,4,6-Tribromophenol	13.69	330	3305	3.21	ng	0.02
44) 2-Fluorobiphenyl	11.32	172	31049	3.46	ng	0.00
78) Terphenyl-d14	17.12	244	21102	2.23	ng	0.00
Target Compounds						
50) 2,6-Dinitrotoluene	12.36	165	15787	7.33	ng	Qvalue # 31
70) Phenanthrene	14.80	178	118086	10.03	ng	97
71) Anthracene	14.90	178	33655	2.79	ng	96
74) Fluoranthene	16.57	202	141384	13.29	ng	97
77) Pyrene	16.87	202	144086	8.90	ng	97
80) Benzo(a)anthracene	18.45	228	57124	5.00	ng	97
82) Chrysene	18.50	228	54456	4.79	ng	99
85) Indeno(1,2,3-cd)pyrene	21.36	276	22448	2.54	ng	94
87) Benzo(b)fluoranthene	19.73	252	77410	6.99	ng	# 94
88) Benzo(k)fluoranthene	19.73	252	77410	6.94	ng	98
89) Benzo(a)pyrene	20.08	252	50894	5.01	ng	99
91) Benzo(a,h,i)perylene	21.72	276	20394	2.55	ng	92

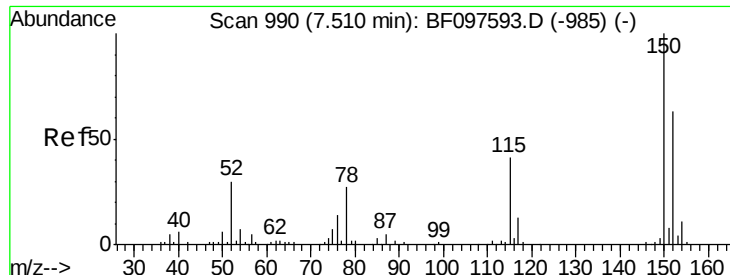
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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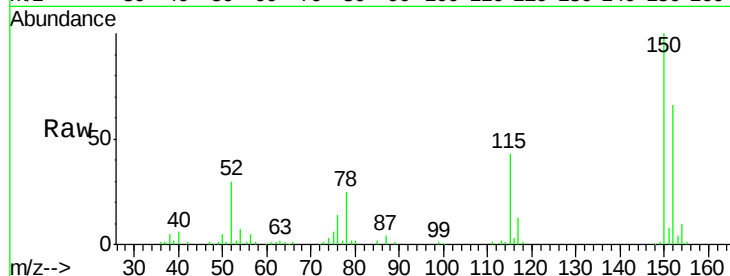


#1

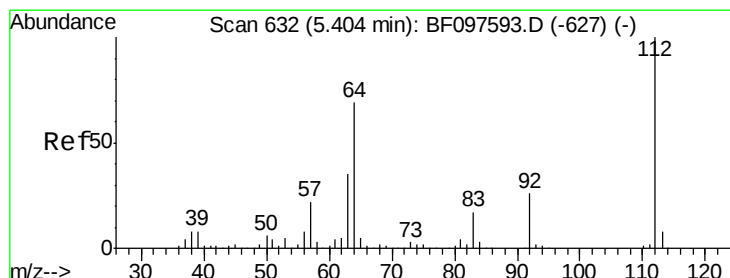
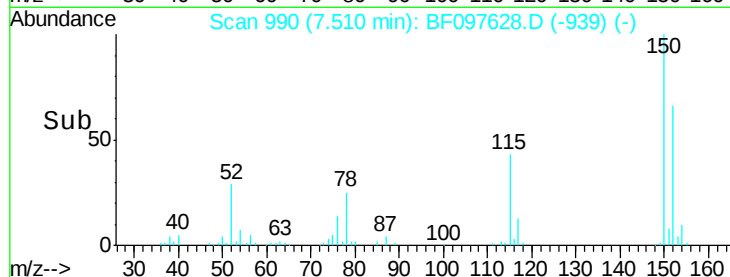
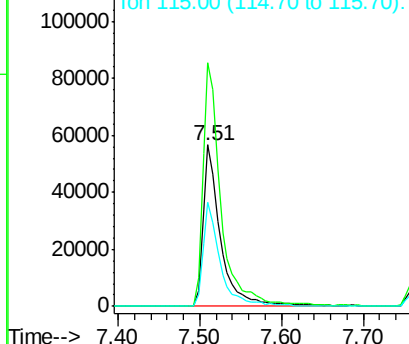
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.51 min Scan# 990
Delta R.T. 0.00 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Instrument :
BNA_F
ClientSampleId :
SB-36-COMP

Tot Ion:152 Resp: 84597
Ion Ratio Lower Upper
152 100
150 151.1 126.2 189.2
115 64.9 52.2 78.2



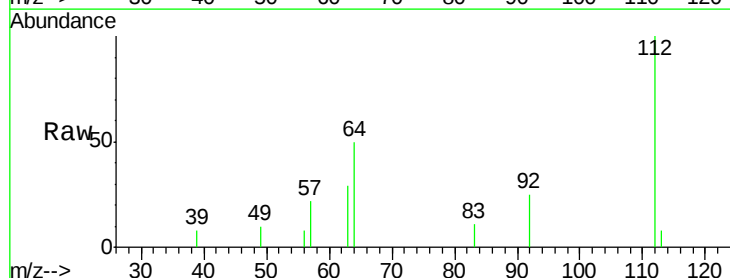
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



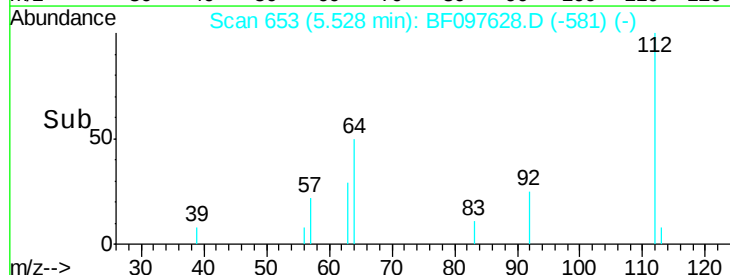
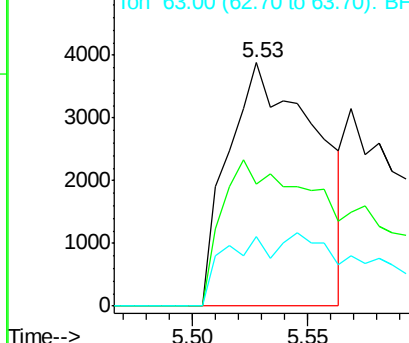
#5

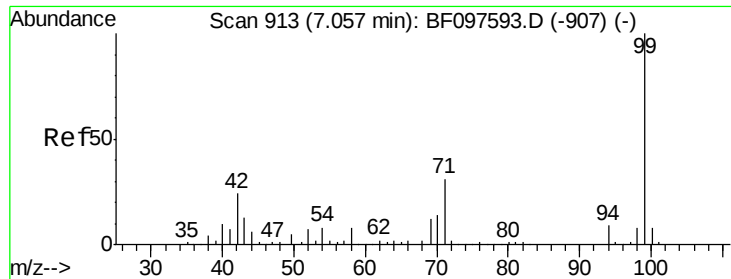
2-Fluorophenol
Concen: 1.93 ng
RT: 5.53 min Scan# 653
Delta R.T. 0.12 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Tgt Ion:112 Resp: 10276
Ion Ratio Lower Upper
112 100
64 49.9 46.0 69.0
63 28.7 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: 3.45 ng

RT: 7.16 min Scan# 930

Delta R.T. 0.10 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

Instrument :

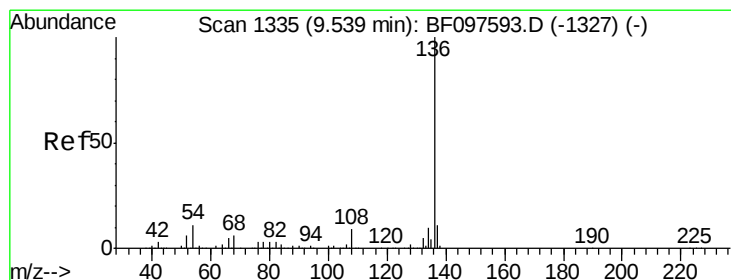
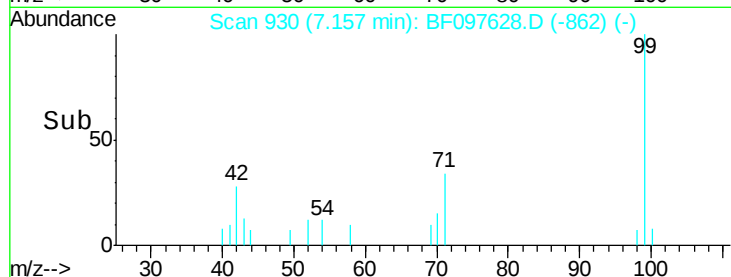
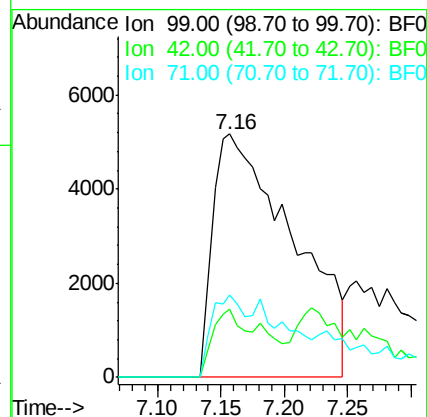
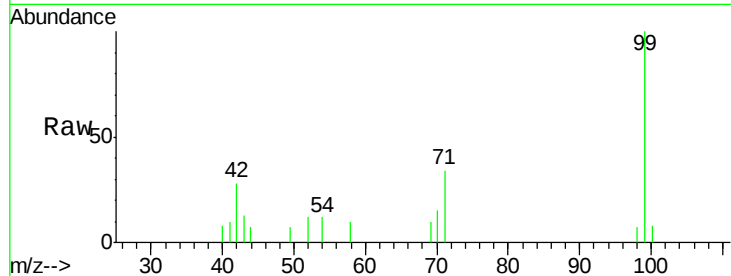
BNA_F

ClientSampleId :

SB-36-COMP

Tot Ion: 99 Resp: 22773

Ion	Ratio	Lower	Upper
99	100		
42	28.1	13.5	20.3#
71	33.7	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.54 min Scan# 1335

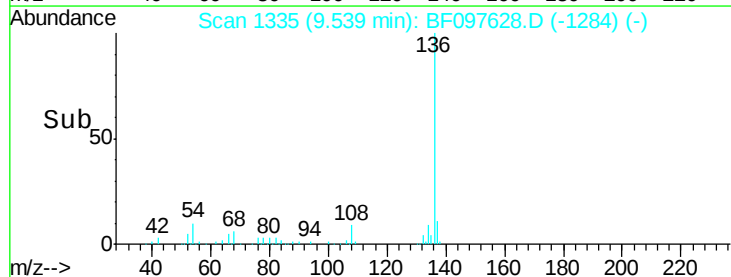
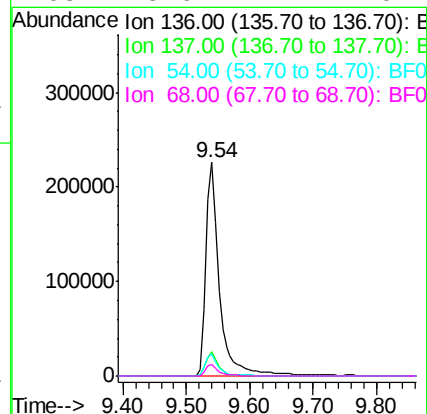
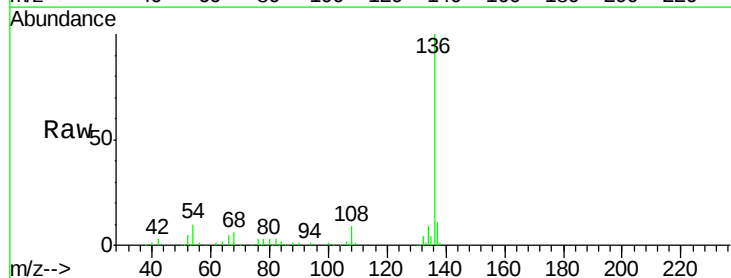
Delta R.T. 0.00 min

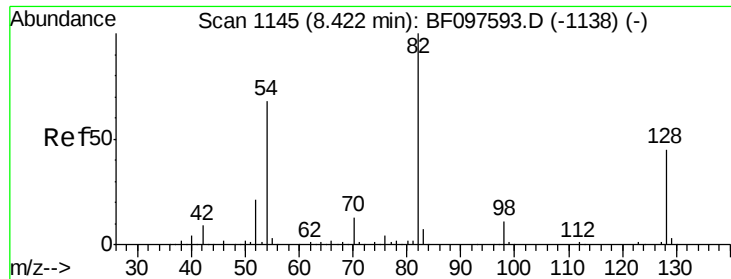
Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

Tgt Ion: 136 Resp: 336544

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.4	4.9	7.3#
68	5.6	4.1	6.1





#23

Nitrobenzene-d5

Concen: 3.11 ng

RT: 8.48 min Scan# 1155

Delta R.T. 0.06 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

Instrument :

BNA_F

ClientSampleId :

SB-36-COMP

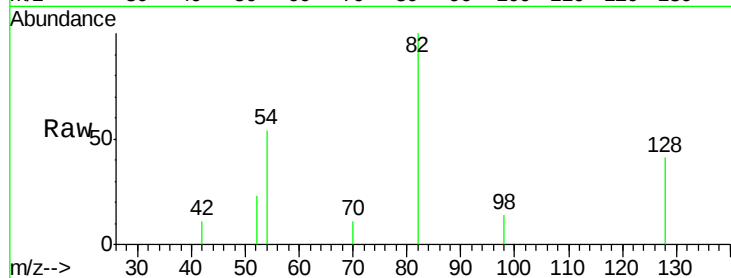
Tot Ion: 82 Resp: 16679

Ion Ratio Lower Upper

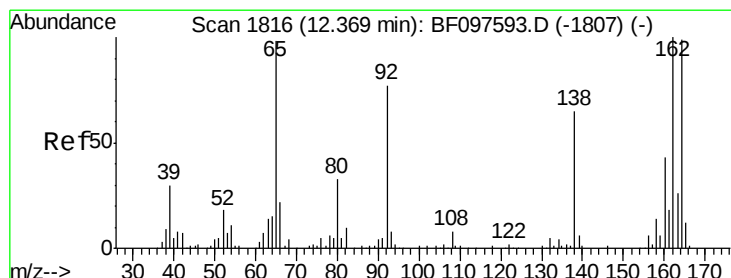
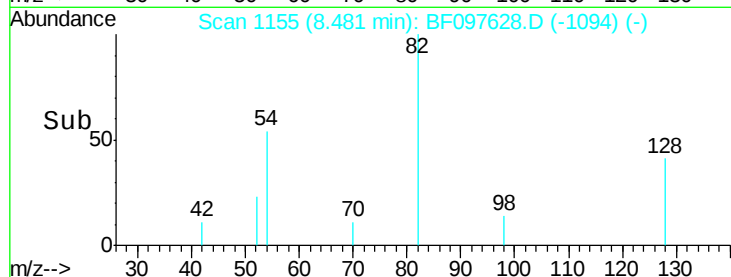
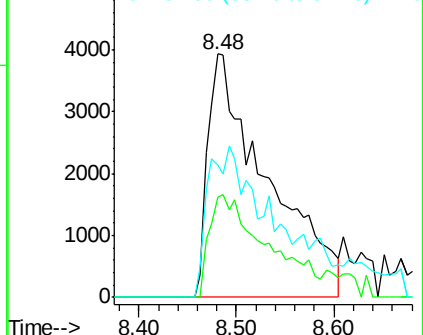
82 100

128 41.3 34.0 51.0

54 54.3 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: 12.36 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

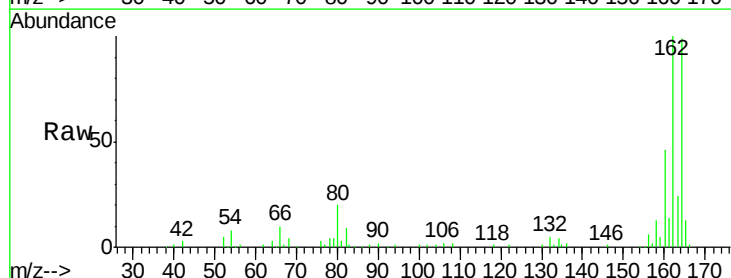
Tgt Ion: 164 Resp: 135317

Ion Ratio Lower Upper

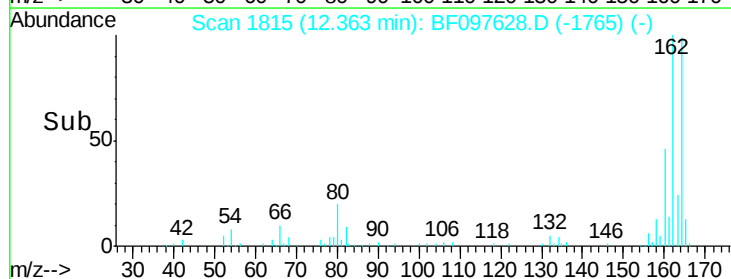
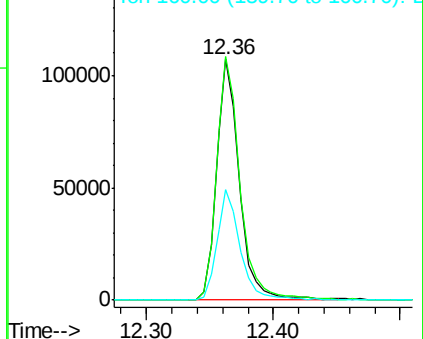
164 100

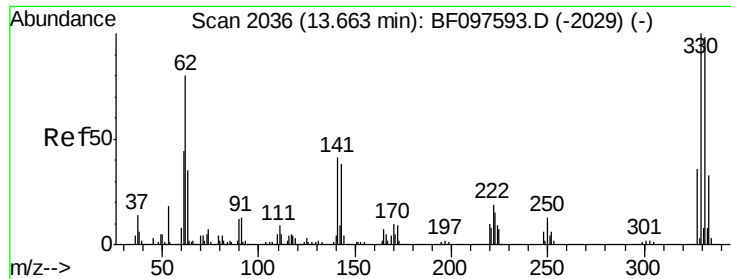
162 101.2 82.6 123.8

160 46.2 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

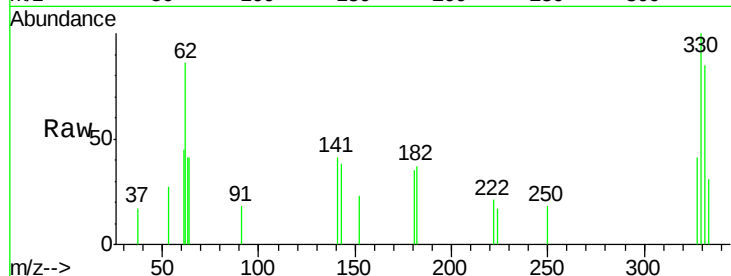




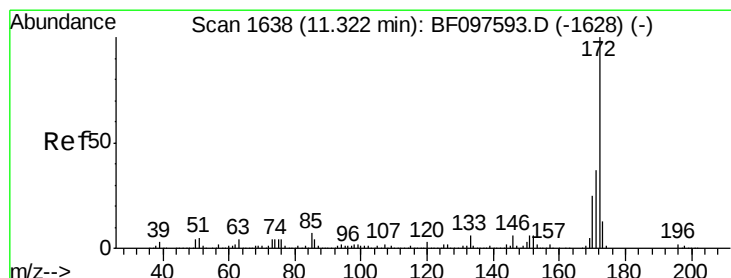
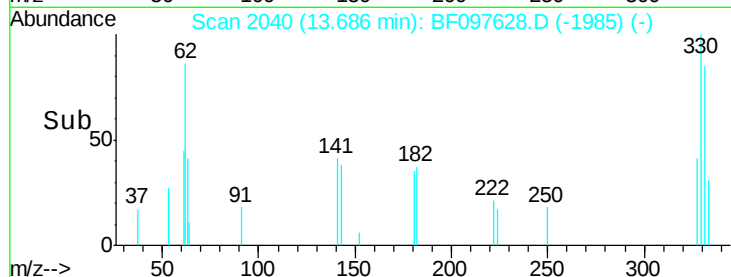
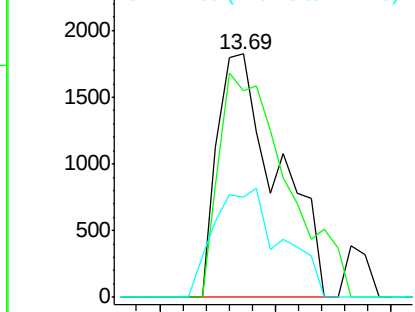
#41
 2,4,6-Tribromophenol
 Concen: 3.21 ng
 RT: 13.69 min Scan# 2040
 Delta R.T. 0.02 min
 Lab File: BF097628.D
 Acq: 12 Aug 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-36-COMP

Tot Ion:330 Resp: 3305
 Ion Ratio Lower Upper
 330 100
 332 104.9 76.6 115.0
 141 50.2 31.4 47.2#

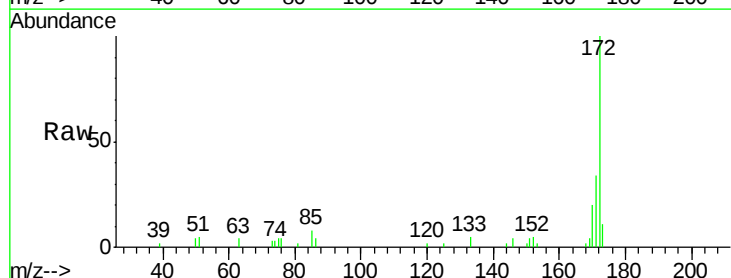


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

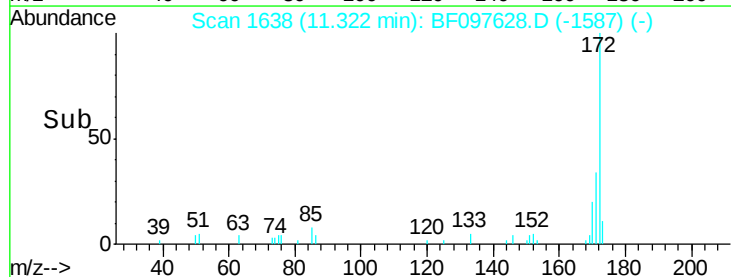
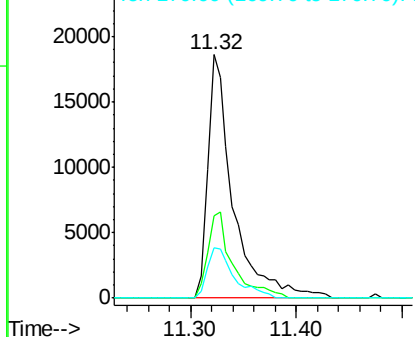


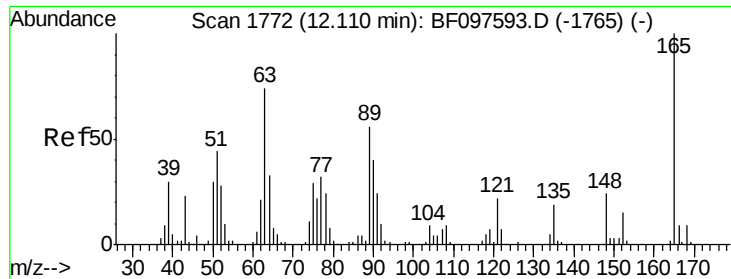
#44
 2-Fluorobiphenyl
 Concen: 3.46 ng
 RT: 11.32 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: BF097628.D
 Acq: 12 Aug 2017 9:19

Tgt Ion:172 Resp: 31049
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.6 44.4
 170 20.5 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

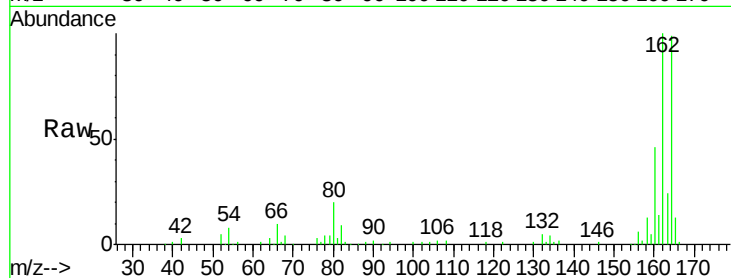




#50
 2,6-Dinitrotoluene
 Concen: 7.33 ng
 RT: 12.36 min Scan# 1815
 Delta R.T. 0.25 min
 Lab File: BF097628.D
 Acq: 12 Aug 2017 9:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-36-COMP

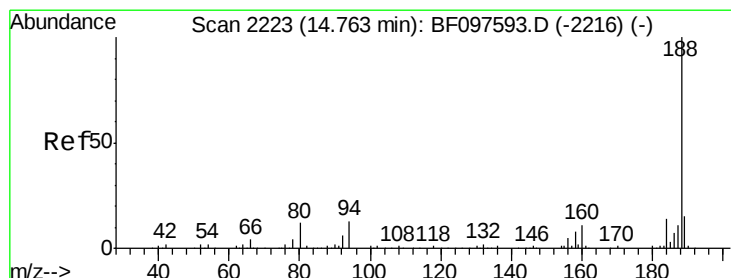
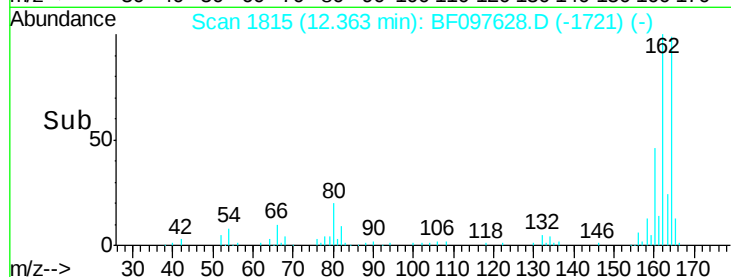
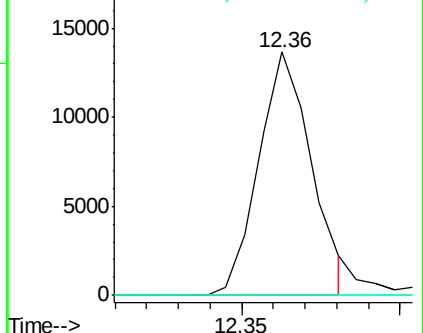
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

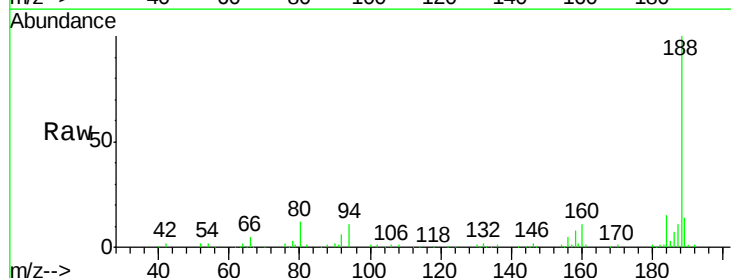
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.76 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BF097628.D
 Acq: 12 Aug 2017 9:19

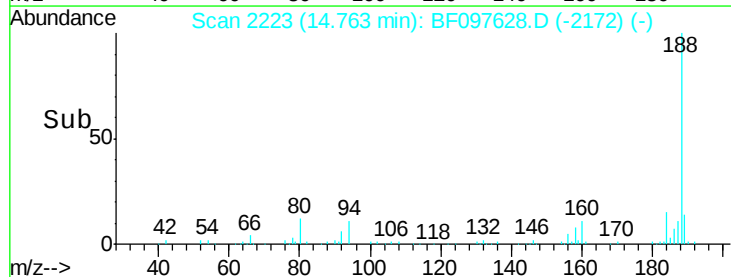
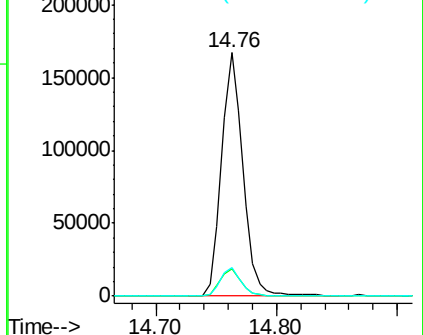
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.6	10.2	15.2

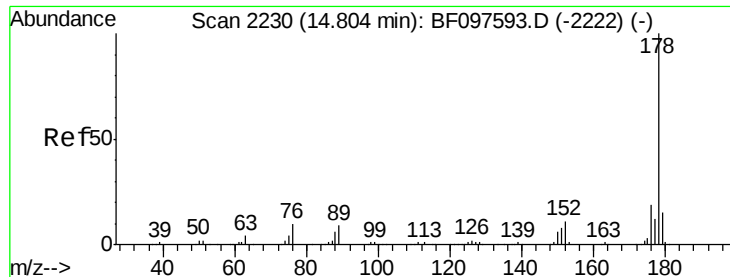


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 10.03 ng

RT: 14.80 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

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SB-36-COMP

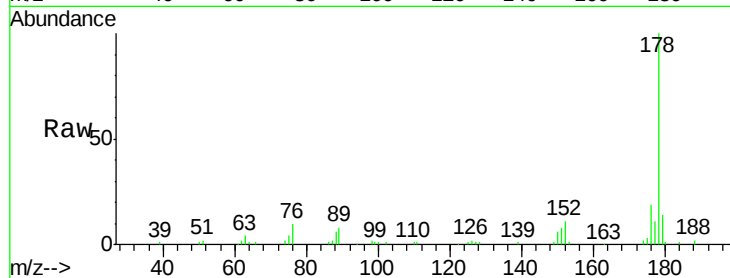
Tot Ion:178 Resp: 118086

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

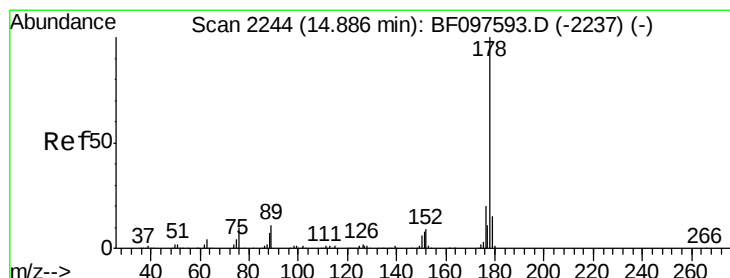
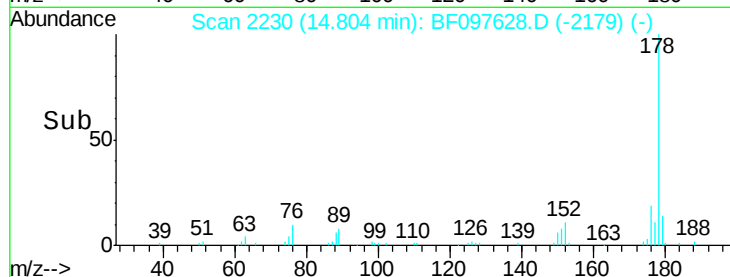
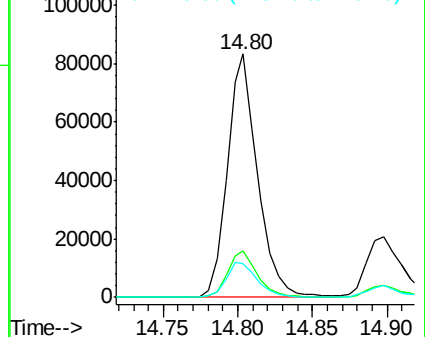
179 14.0 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.79 ng

RT: 14.90 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

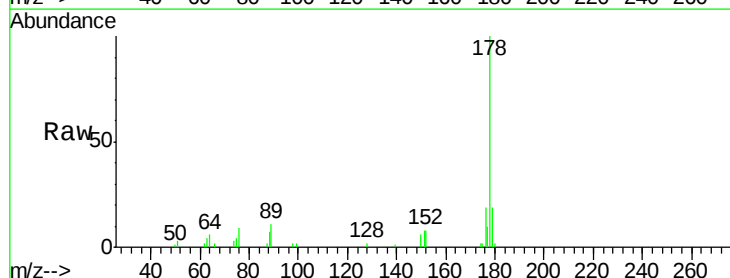
Tgt Ion:178 Resp: 33655

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

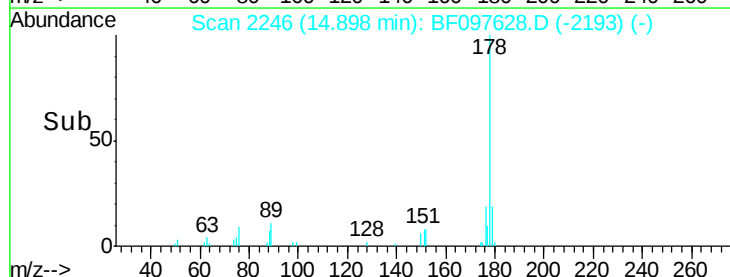
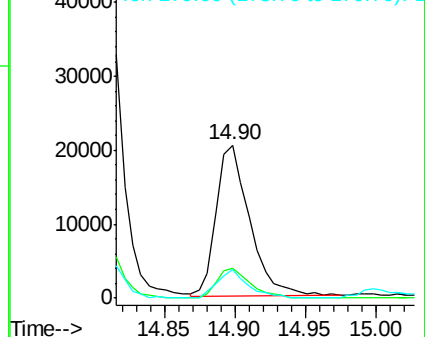
179 18.8 12.7 19.1

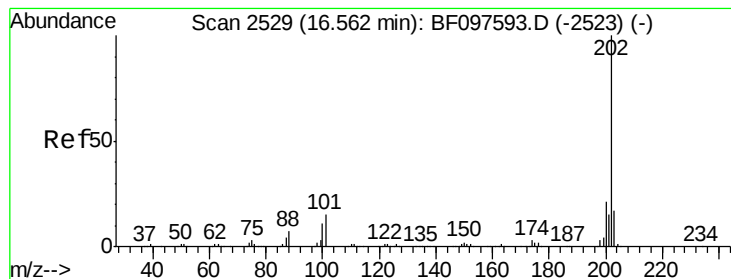


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.29 ng

RT: 16.57 min Scan# 2530

Delta R.T. 0.01 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

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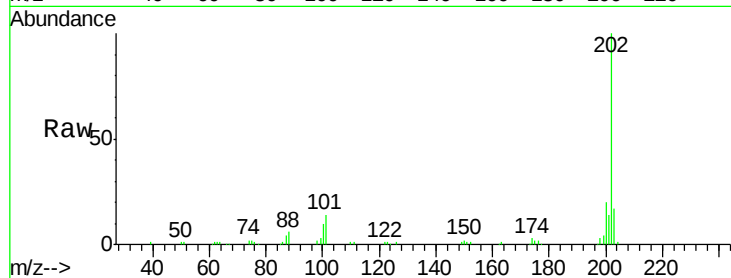
Tot Ion:202 Resp: 141384

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

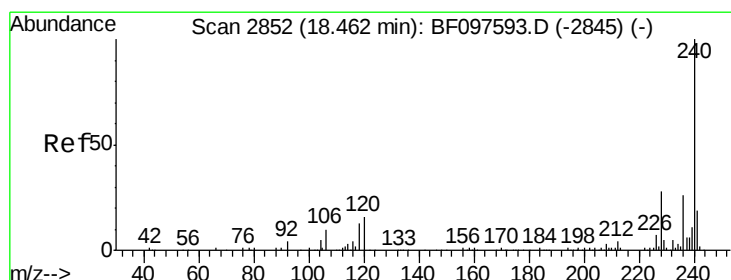
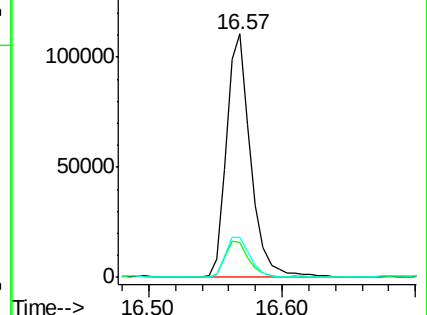
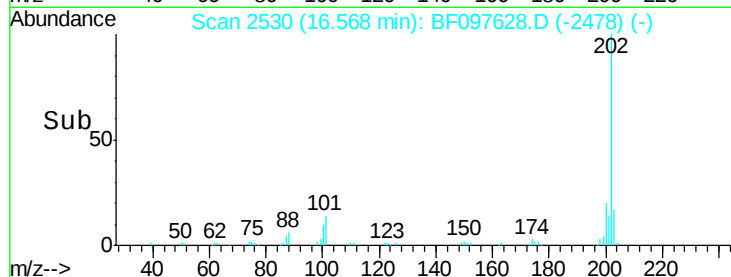
203 16.5 0.0 38.1



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: 18.46 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

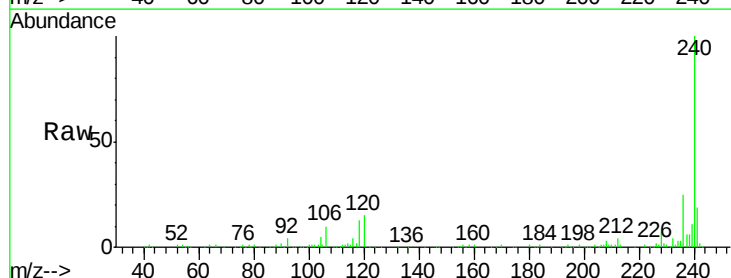
Tgt Ion:240 Resp: 195738

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

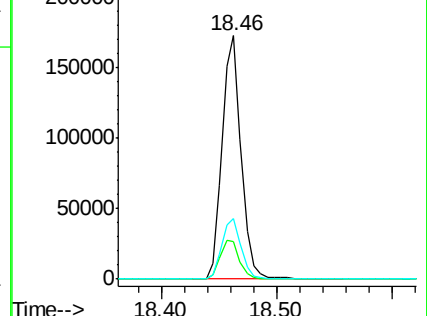
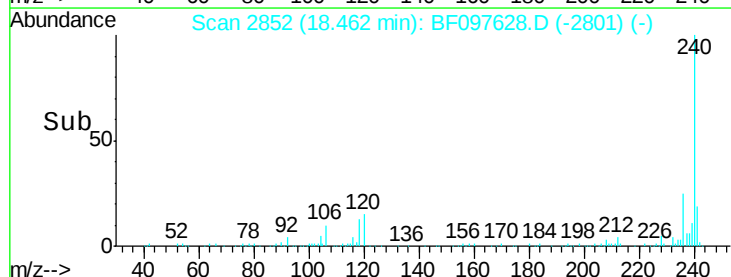
236 24.8 20.5 30.7

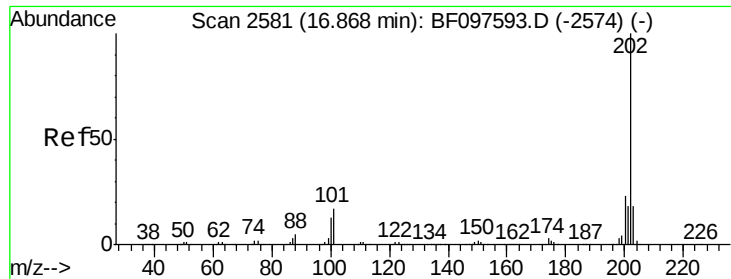


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

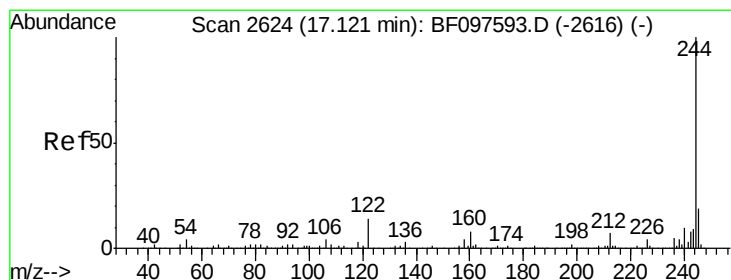
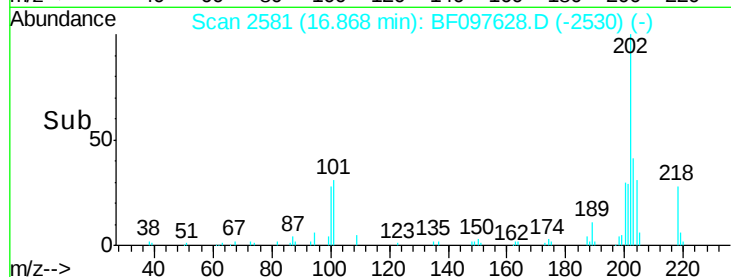
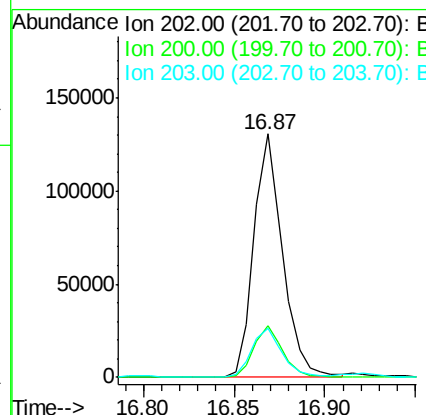
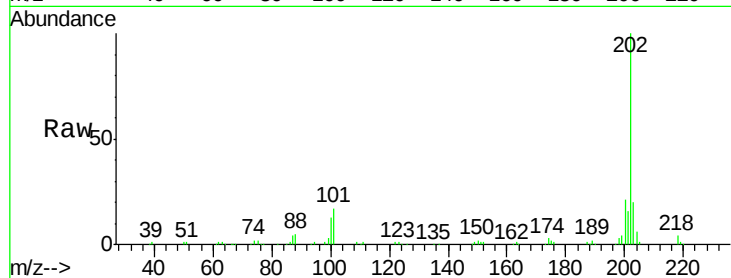




#77
Pvrene
Concen: 8.90 ng
RT: 16.87 min Scan# 2581
Delta R.T. 0.00 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

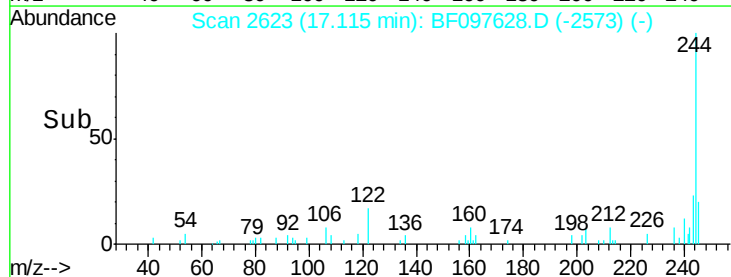
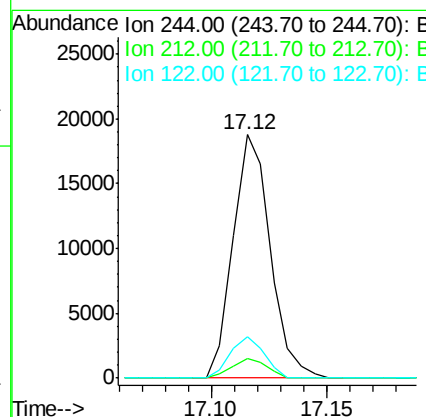
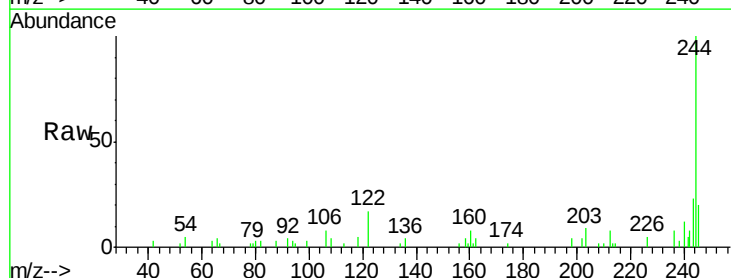
Instrument :
BNA_F
ClientSampleId :
SB-36-COMP

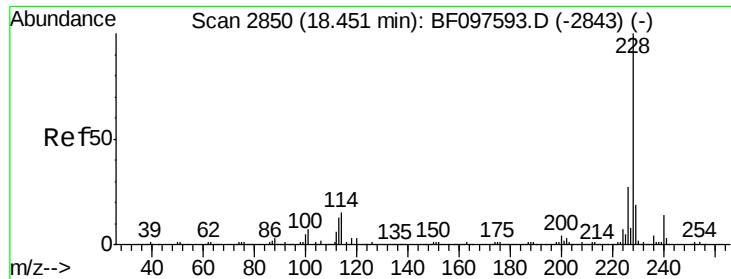
Tot Ion:	202	Resp:	144086
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.6	26.4
203	20.2	14.4	21.6



#78
Terphenyl-d14
Concen: 2.23 ng
RT: 17.12 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Tgt Ion:	244	Resp:	21102
Ion Ratio		Lower	Upper
244	100		
212	8.2	6.0	9.0
122	17.2	10.3	15.5#

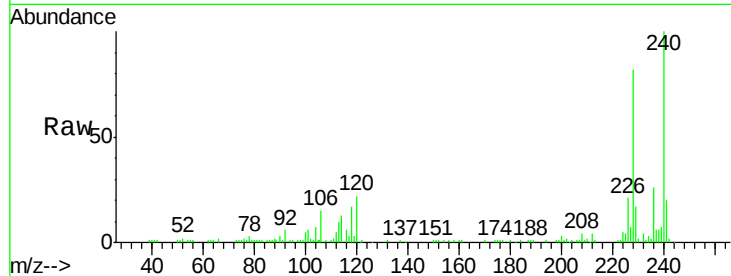




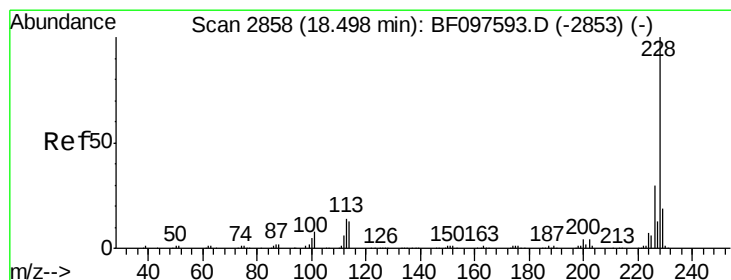
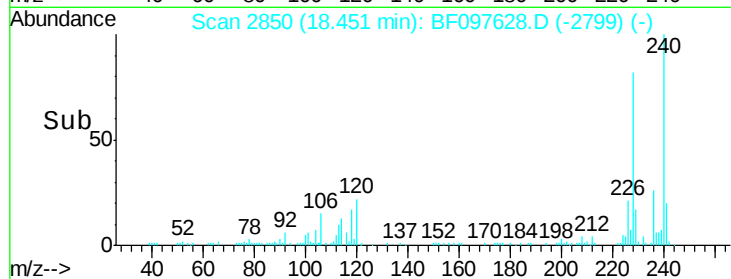
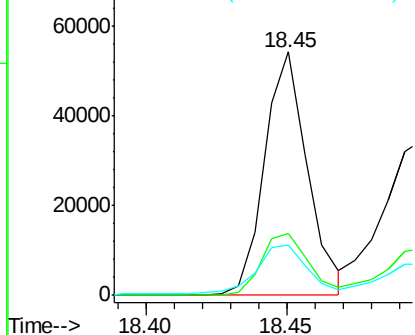
#80
Benzo(a)anthracene
Concen: 5.00 ng
RT: 18.45 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Instrument :
BNA_F
ClientSampleId :
SB-36-COMP

Tot Ion:228 Resp: 57124
Ion Ratio Lower Upper
228 100
226 25.6 22.6 33.8
229 20.4 16.3 24.5

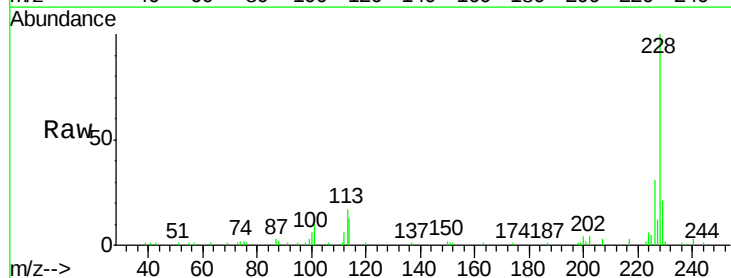


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

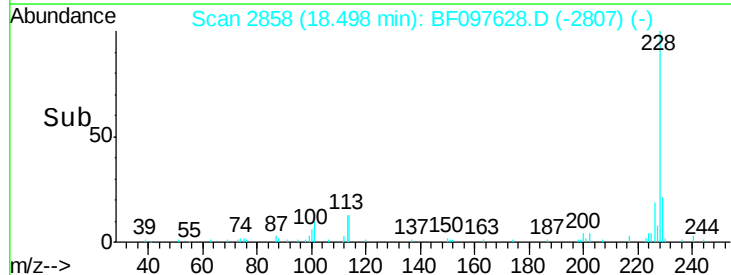
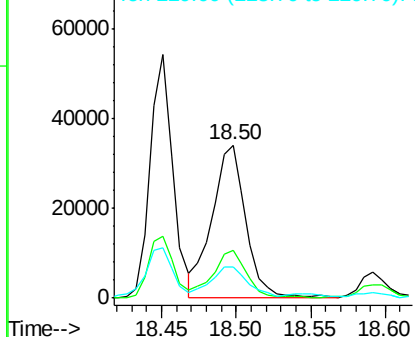


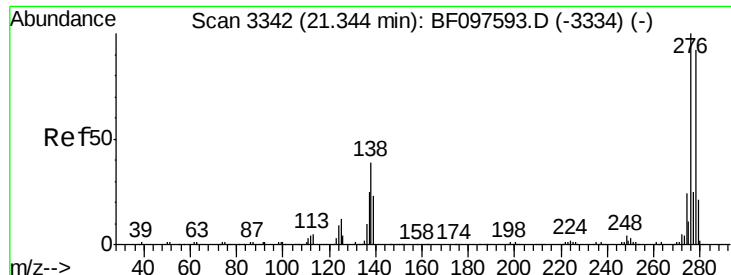
#82
Chrysene
Concen: 4.79 ng
RT: 18.50 min Scan# 2858
Delta R.T. 0.00 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Tgt Ion:228 Resp: 54456
Ion Ratio Lower Upper
228 100
226 30.9 24.9 37.3
229 20.8 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

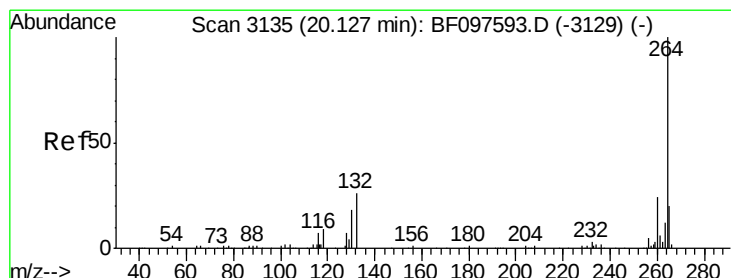
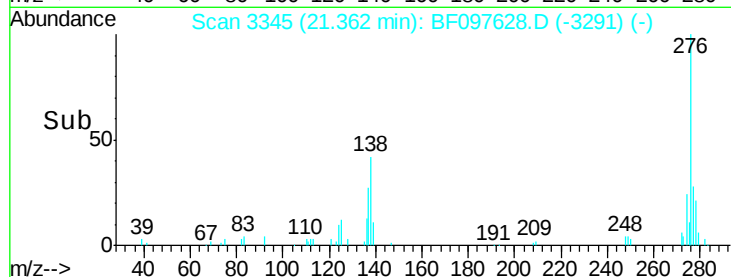
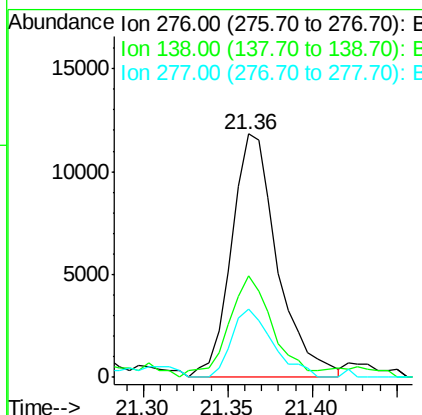
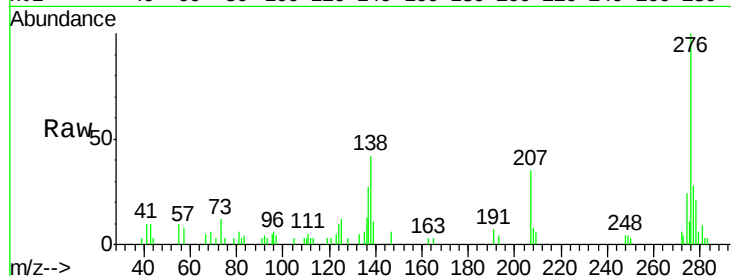




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.54 ng
RT: 21.36 min Scan# 3345
Delta R.T. 0.02 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

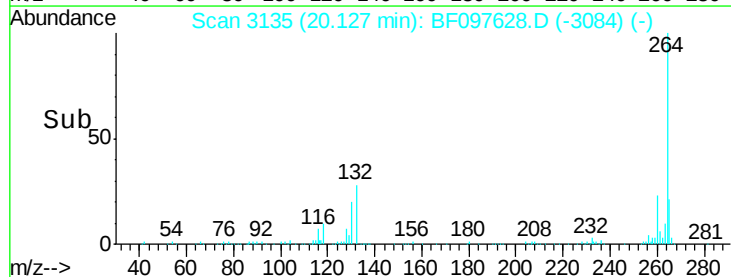
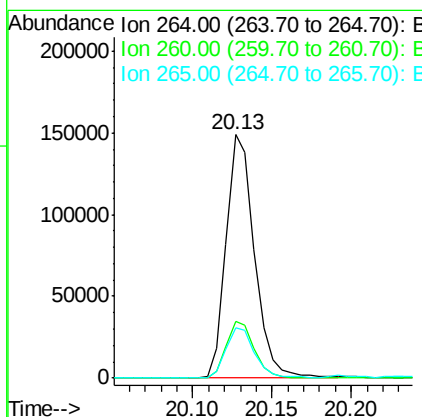
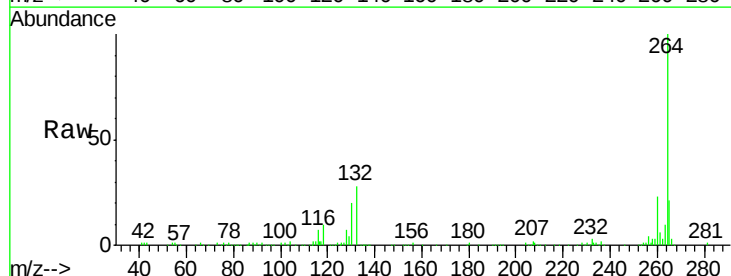
Instrument :
BNA_F
ClientSampleId :
SB-36-COMP

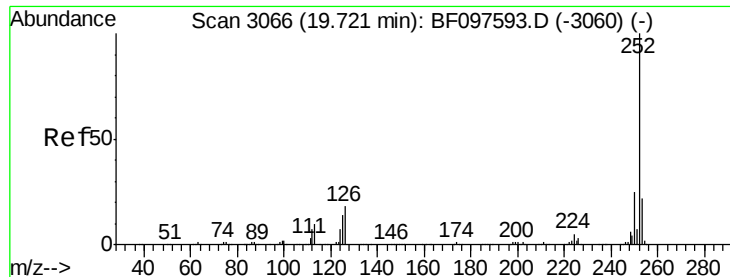
Tot Ion:276 Resp: 22448
Ion Ratio Lower Upper
276 100
138 40.2 27.8 41.6
277 24.8 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.13 min Scan# 3135
Delta R.T. 0.00 min
Lab File: BF097628.D
Acq: 12 Aug 2017 9:19

Tgt Ion:264 Resp: 184492
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 20.9 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 6.99 ng

RT: 19.73 min Scan# 3067

Delta R.T. 0.01 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

Instrument :

BNA_F

ClientSampleId :

SB-36-COMP

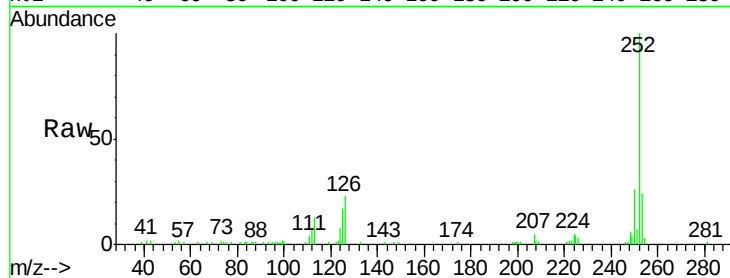
Tot Ion:252 Resp: 77410

Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

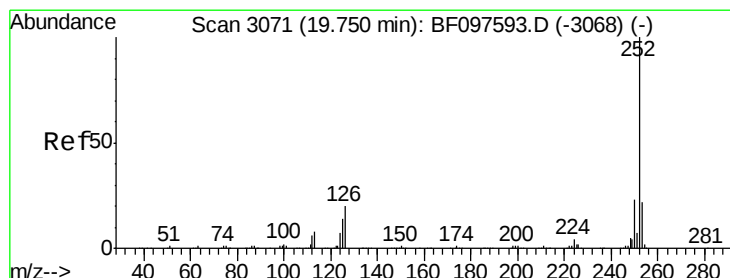
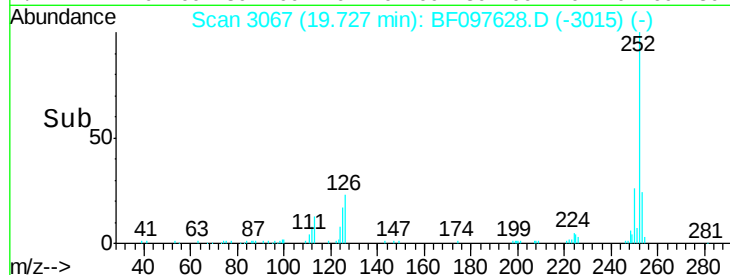
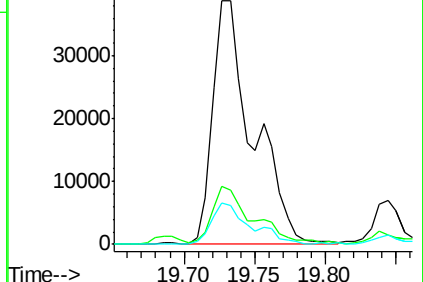
125 17.2 9.8 14.8#



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: 6.94 ng

RT: 19.73 min Scan# 3067

Delta R.T. -0.02 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

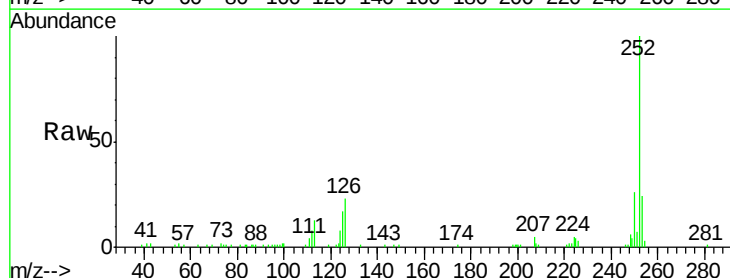
Tgt Ion:252 Resp: 77410

Ion Ratio Lower Upper

252 100

253 23.6 18.4 27.6

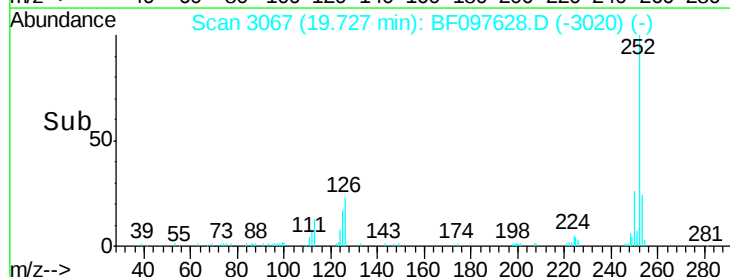
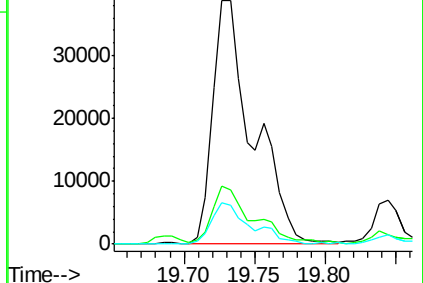
125 17.2 13.1 19.7

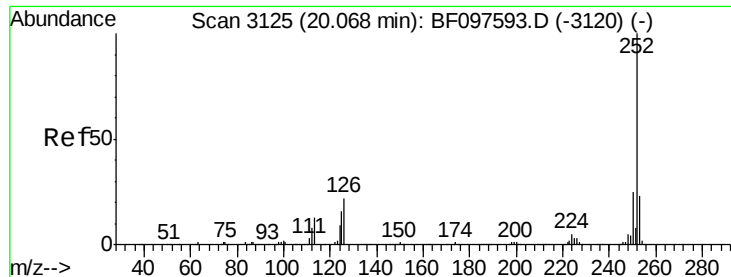


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.01 ng

RT: 20.08 min Scan# 3127

Delta R.T. 0.01 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

Instrument :

BNA_F

ClientSampleId :

SB-36-COMP

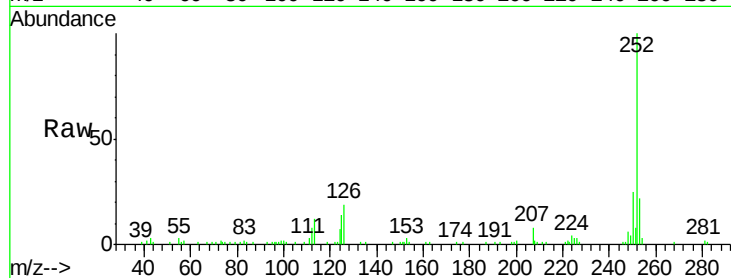
Tot Ion:252 Resp: 50894

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

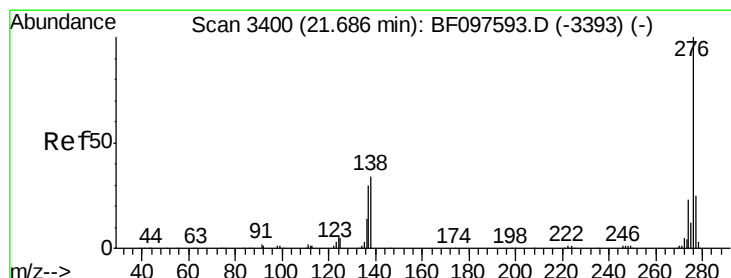
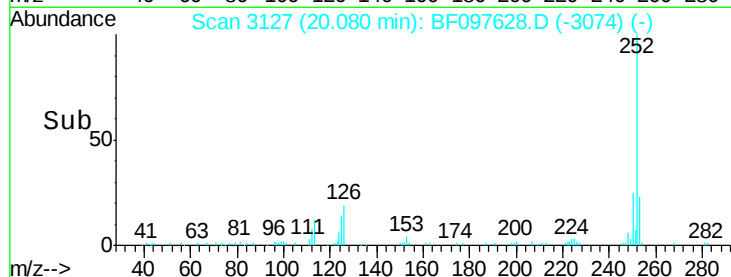
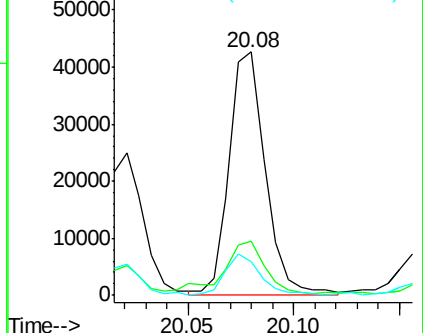
125 13.7 11.0 16.4



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: 2.55 ng

RT: 21.72 min Scan# 3406

Delta R.T. 0.04 min

Lab File: BF097628.D

Acq: 12 Aug 2017 9:19

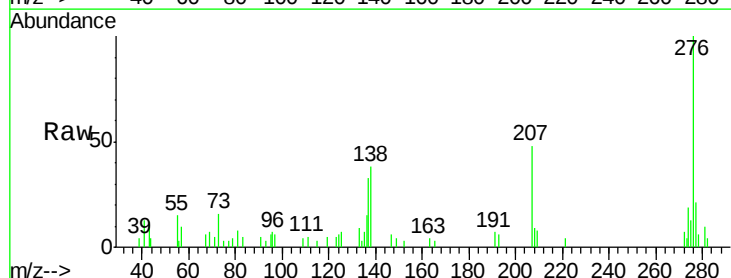
Tgt Ion:276 Resp: 20394

Ion Ratio Lower Upper

276 100

277 21.2 18.6 28.0

138 37.9 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

