

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097631.D
 Acq On : 12 Aug 2017 10:57
 Operator : SJ/JU
 Sample : I4736-04 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-34-COMP

Quant Time: Aug 14 01:02:26 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	7.51	152	97693	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	417257	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	174851	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	273066	20.00	ng	0.00
75) Chrysene-d12	18.46	240	201732	20.00	ng	0.00
86) Perylene-d12	20.13	264	198573	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	100245	16.31	ng	0.05
7) Phenol-d6	7.09	99	118290	15.51	ng	0.04
23) Nitrobenzene-d5	8.43	82	71227	10.70	ng	0.01
41) 2,4,6-Tribromophenol	13.67	330	19643	14.78	ng	0.00
44) 2-Fluorobiphenyl	11.32	172	128925	11.13	ng	0.00
78) Terphenyl-d14	17.12	244	87777	9.01	ng	0.00

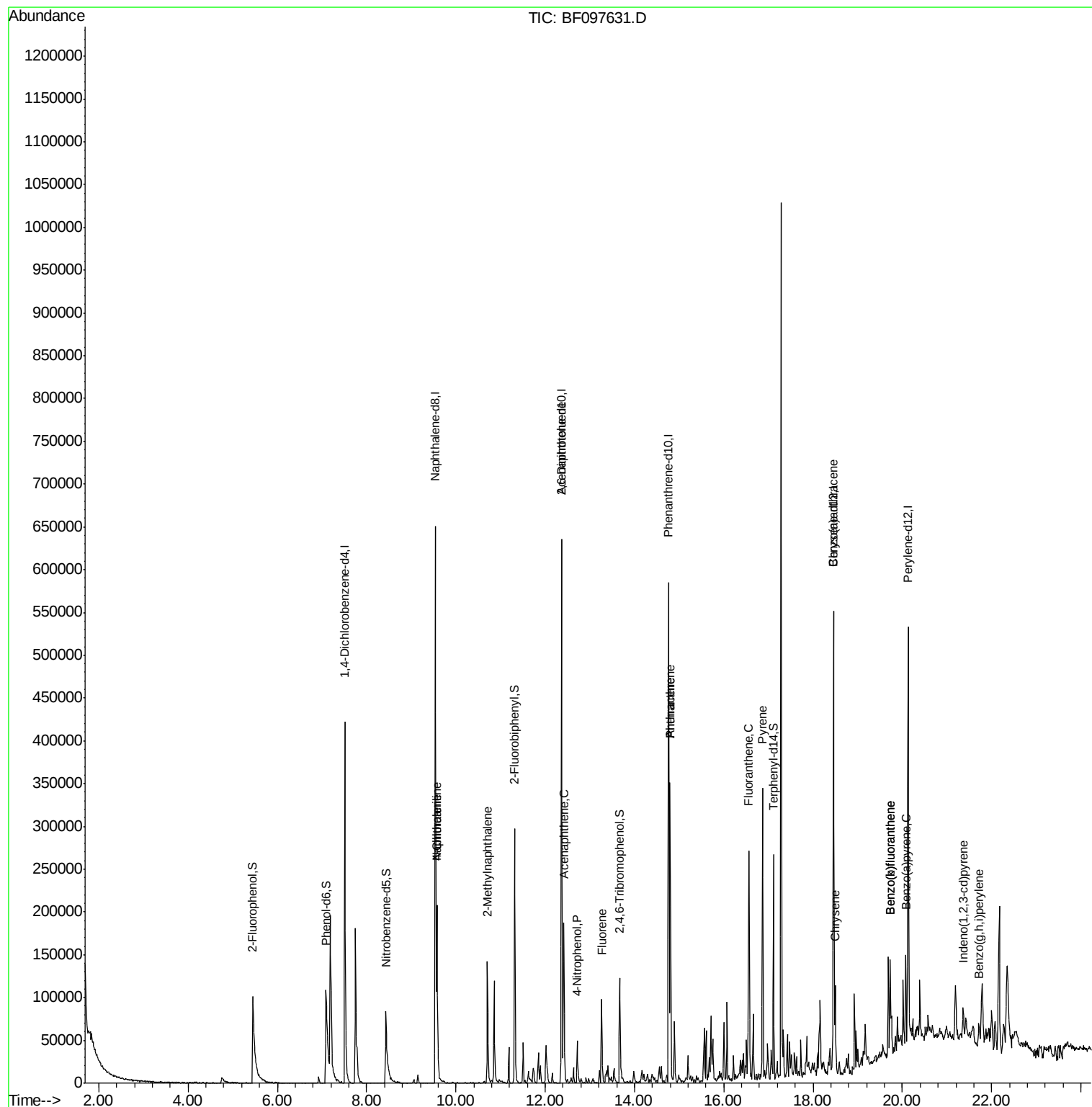
Target Compounds				Qvalue		
31) Naphthalene	9.57	128	159307	7.62	ng	97
33) 4-Chloroaniline	9.57	127	19521	2.25	ng	# 28
37) 2-Methylnaphthalene	10.70	142	67299	5.12	ng	98
50) 2,6-Dinitrotoluene	12.36	165	20993	7.54	ng	# 33
51) Acenaphthene	12.42	154	56918	5.19	ng	97
55) 4-Nitrophenol	12.72	139	12055	8.69	ng	# 25
57) Fluorene	13.26	166	40102	3.17	ng	96
70) Phenanthrene	14.80	178	200965	12.78	ng	98
71) Anthracene	14.80	178	200965	12.49	ng	98
74) Fluoranthene	16.57	202	143806	10.12	ng	98
77) Pyrene	16.87	202	142225	8.53	ng	95
80) Benzo(a)anthracene	18.45	228	51760	4.39	ng	99
82) Chrysene	18.50	228	53476	4.56	ng	97
85) Indeno(1,2,3-cd)pyrene	21.37	276	19764	2.17	ng	98
87) Benzo(b)fluoranthene	19.73	252	77490	6.50	ng	# 97
88) Benzo(k)fluoranthene	19.73	252	77490	6.45	ng	98
89) Benzo(a)pyrene	20.08	252	48587	4.44	ng	96
91) Benzo(g,h,i)perylene	21.71	276	19387	2.26	ng	98

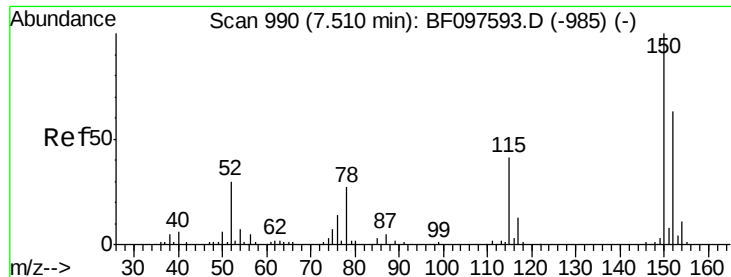
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097631.D
Acq On : 12 Aug 2017 10:57
Operator : SJ/JU
Sample : I4736-04 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

Quant Time: Aug 14 01:02:26 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



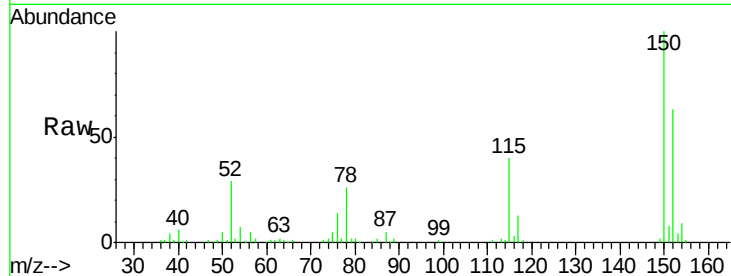


#1

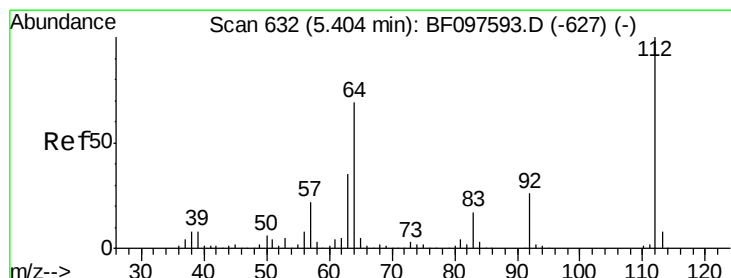
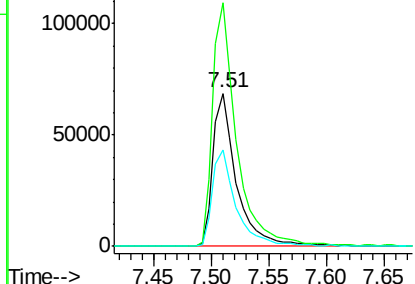
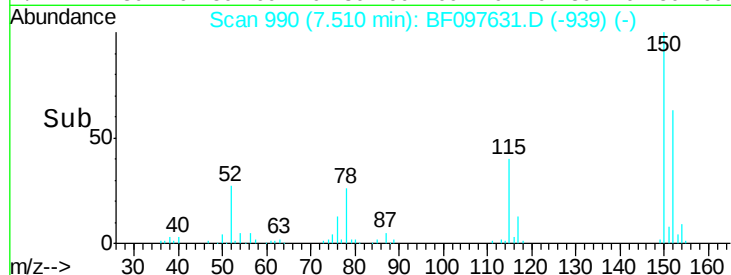
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.51 min Scan# 990
Delta R.T. -0.00 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

Tot Ion:152 Resp: 97693
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.2
115 62.9 52.2 78.2



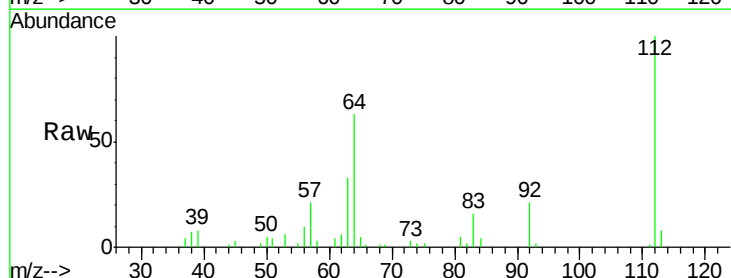
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



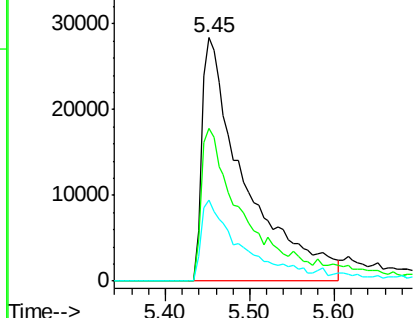
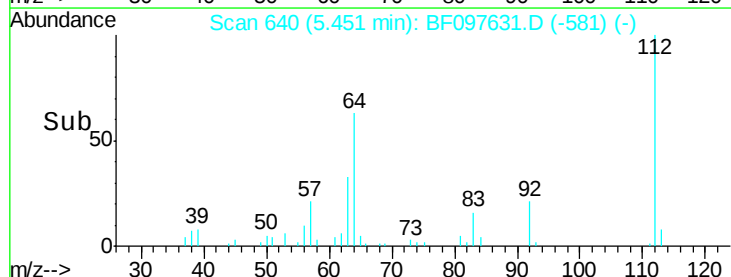
#5

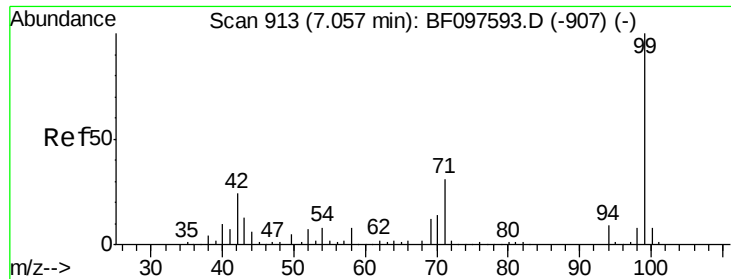
2-Fluorophenol
Concen: 16.31 ng
RT: 5.45 min Scan# 640
Delta R.T. 0.05 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion:112 Resp: 100245
Ion Ratio Lower Upper
112 100
64 62.8 46.0 69.0
63 33.2 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: 15.51 ng

RT: 7.09 min Scan# 919

Delta R.T. 0.04 min

Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

Instrument :

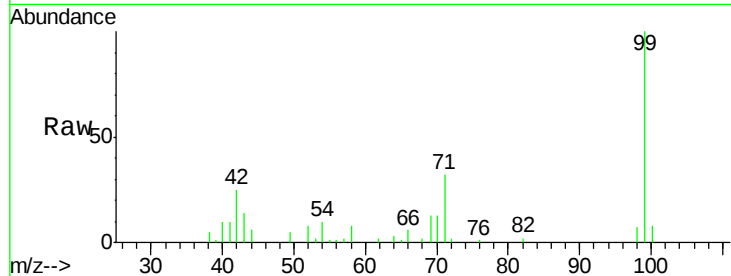
BNA_F

ClientSampleId :

SB-34-COMP

Tot Ion: 99 Resp: 118290

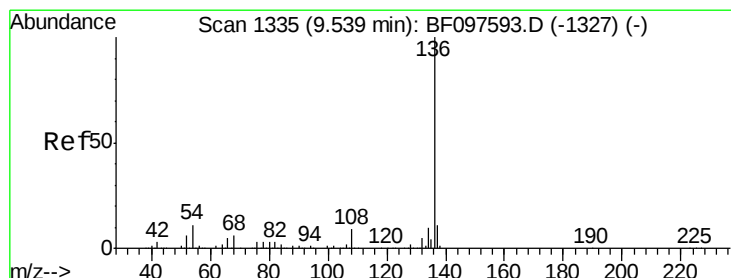
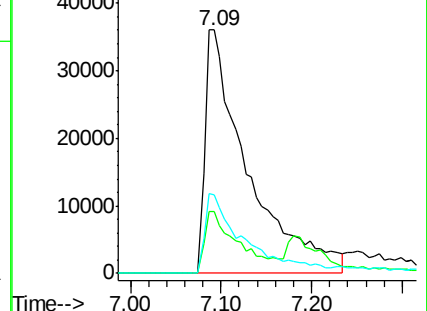
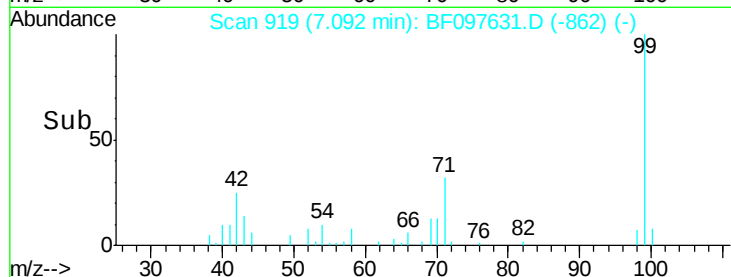
Ion	Ratio	Lower	Upper
99	100		
42	25.3	13.5	20.3#
71	32.0	24.5	36.7



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: 9.54 min Scan# 1335

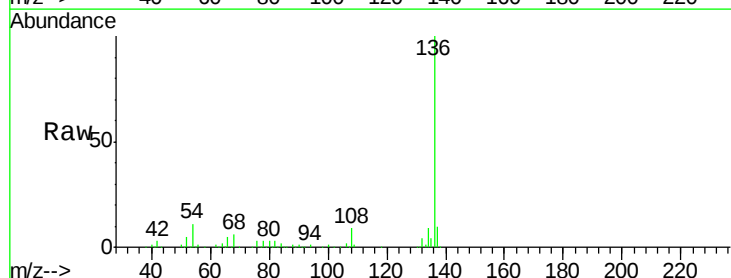
Delta R.T. -0.00 min

Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

Tgt Ion: 136 Resp: 417257

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	10.5	4.9	7.3#
68	5.8	4.1	6.1

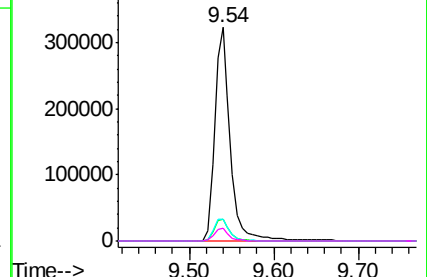
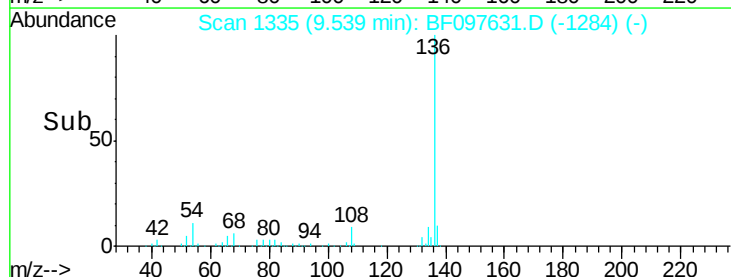


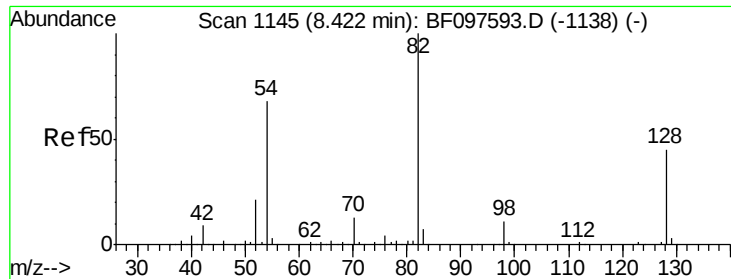
Abundance Ion 136.00 (135.70 to 136.70): E

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

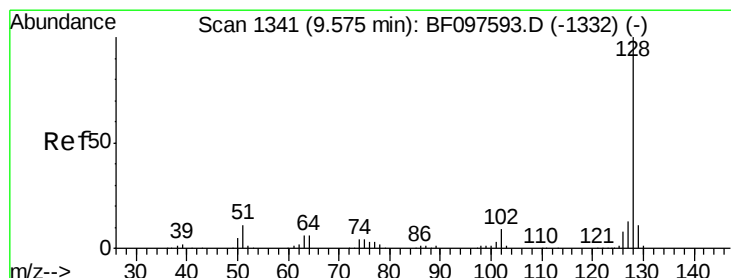
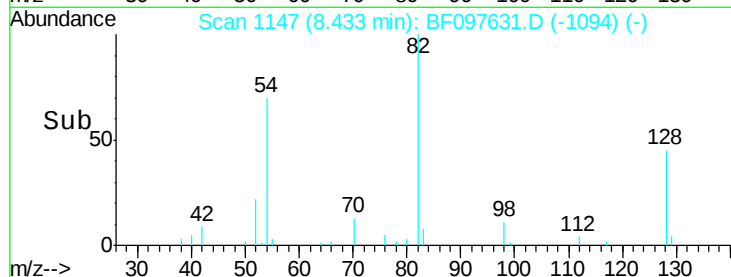
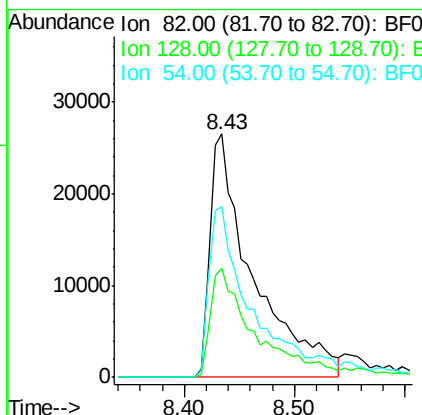
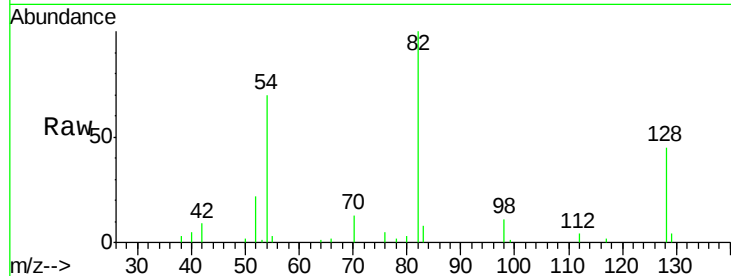




#23
 Nitrobenzene-d5
 Concen: 10.70 ng
 RT: 8.43 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

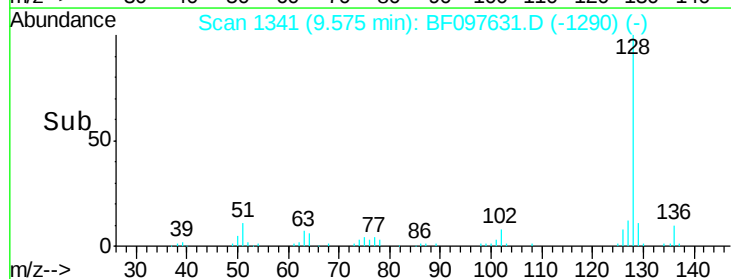
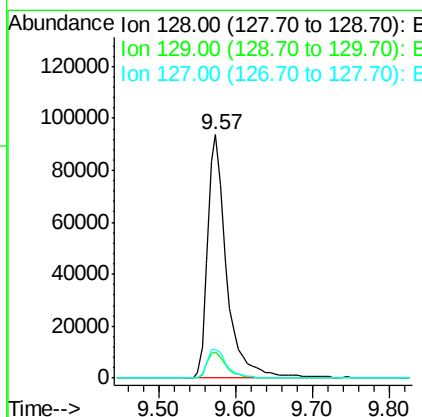
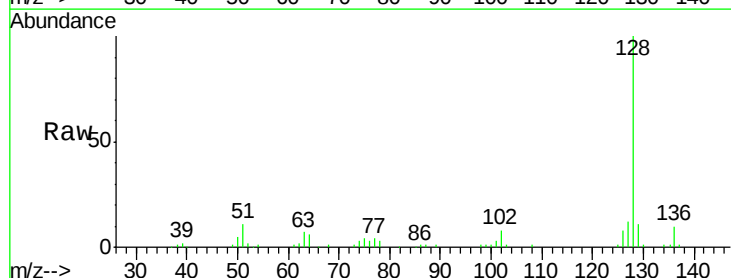
Instrument :
 BNA_F
 ClientSampleId :
 SB-34-COMP

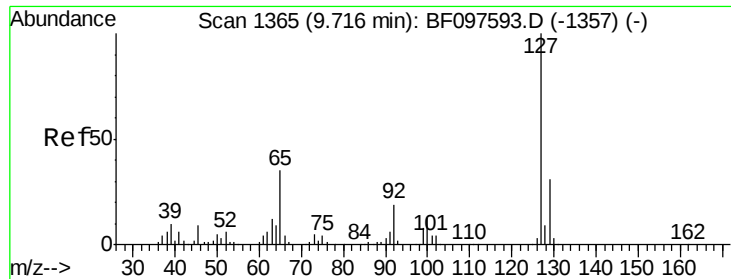
Tot Ion: 82 Resp: 71227
 Ion Ratio Lower Upper
 82 100
 128 44.7 34.0 51.0
 54 70.2 42.2 63.2#



#31
 Naphthalene
 Concen: 7.62 ng
 RT: 9.57 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Tgt Ion:128 Resp: 159307
 Ion Ratio Lower Upper
 128 100
 129 10.8 9.0 13.6
 127 12.0 10.8 16.2

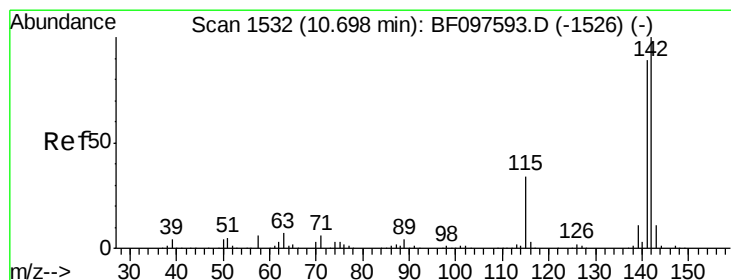
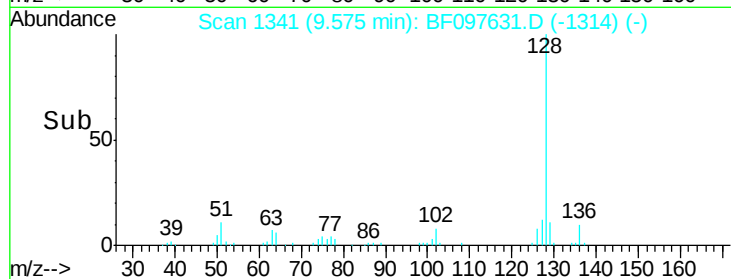
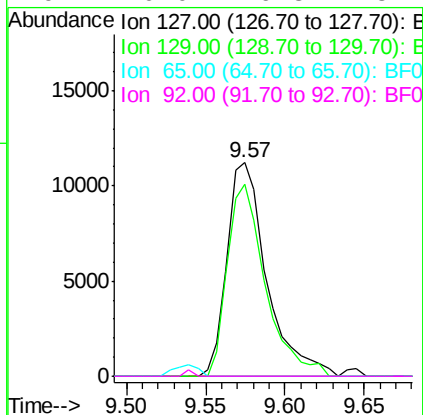
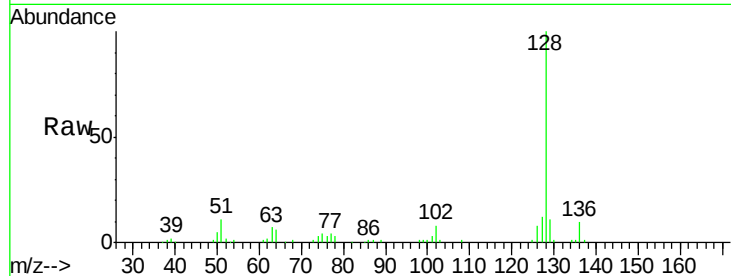




#33
 4-Chloroaniline
 Concen: 2.25 ng
 RT: 9.57 min Scan# 1341
 Delta R.T. -0.14 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

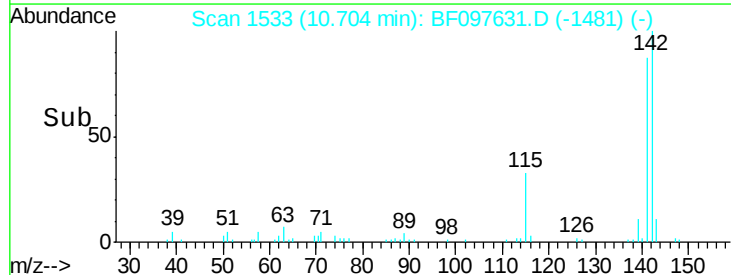
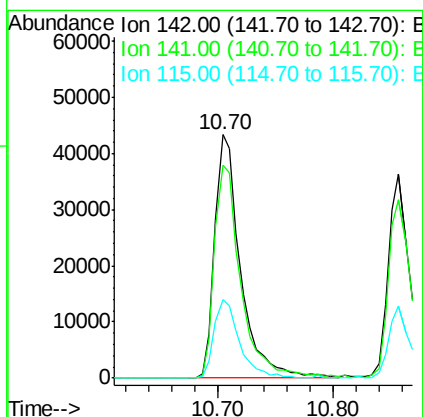
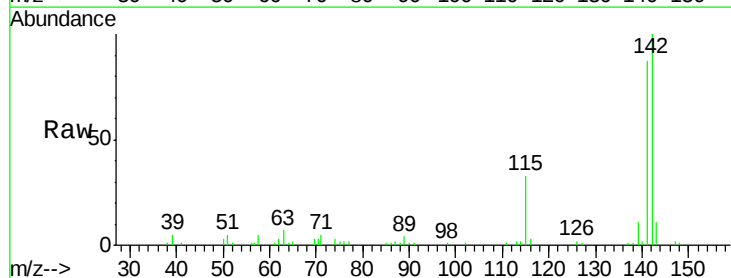
Instrument :
 BNA_F
 ClientSampleId :
 SB-34-COMP

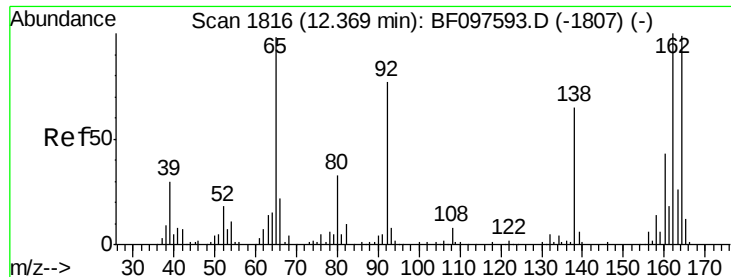
Tot Ion:	127	Resp:	19521
Ion	Ratio	Lower	Upper
127	100		
129	90.1	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
 2-Methylnaphthalene
 Concen: 5.12 ng
 RT: 10.70 min Scan# 1533
 Delta R.T. 0.01 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Tgt Ion:	142	Resp:	67299
Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.3	106.9
115	32.5	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.36 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

Instrument :

BNA_F

ClientSampleId :

SB-34-COMP

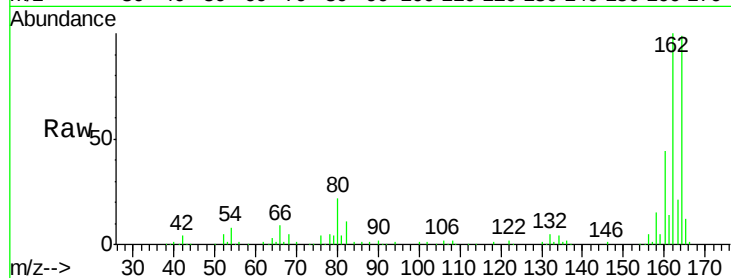
Tot Ion:164 Resp: 174851

Ion Ratio Lower Upper

164 100

162 100.6 82.6 123.8

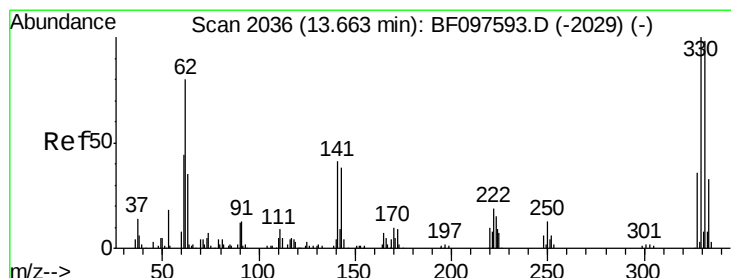
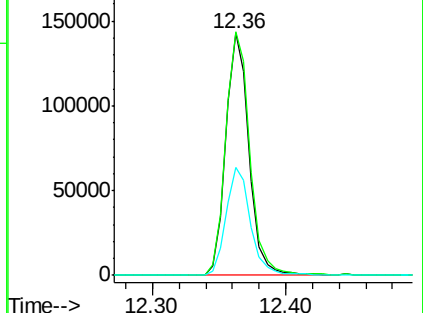
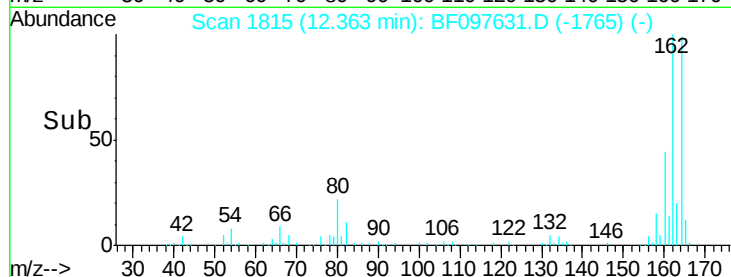
160 44.7 36.2 54.2



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: 14.78 ng

RT: 13.67 min Scan# 2037

Delta R.T. 0.01 min

Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

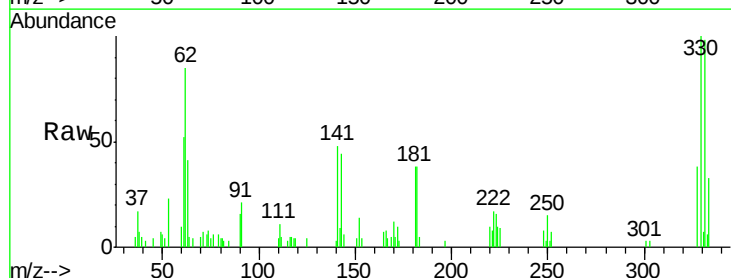
Tgt Ion:330 Resp: 19643

Ion Ratio Lower Upper

330 100

332 98.5 76.6 115.0

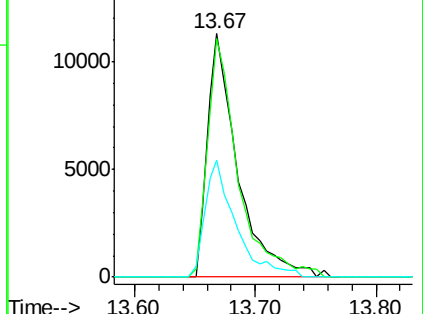
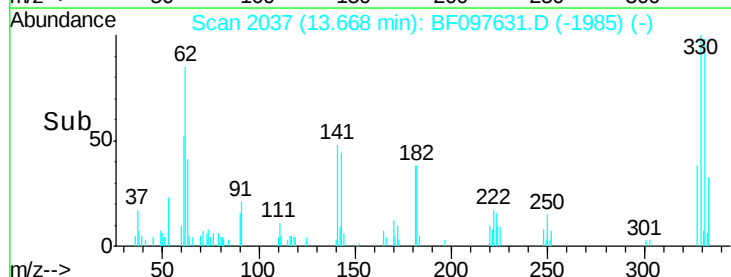
141 48.1 31.4 47.2#

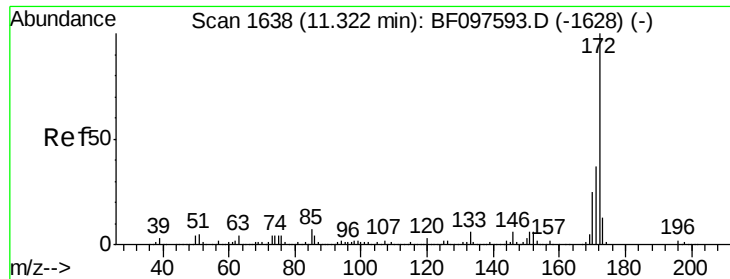


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

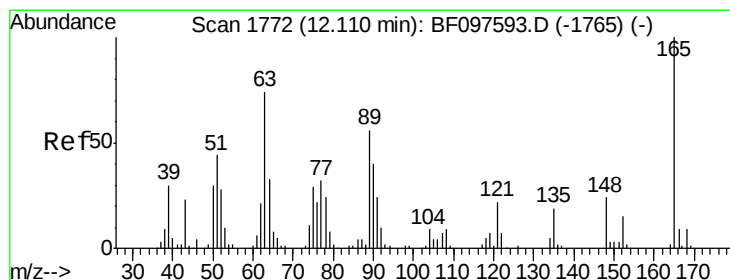
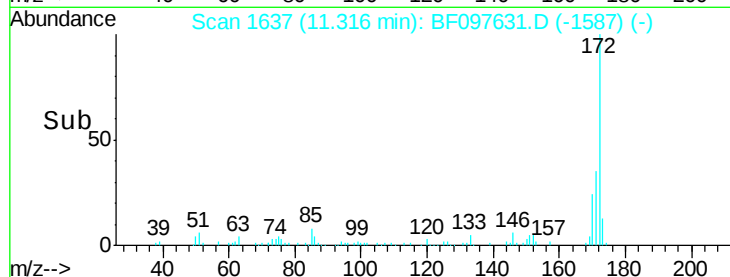
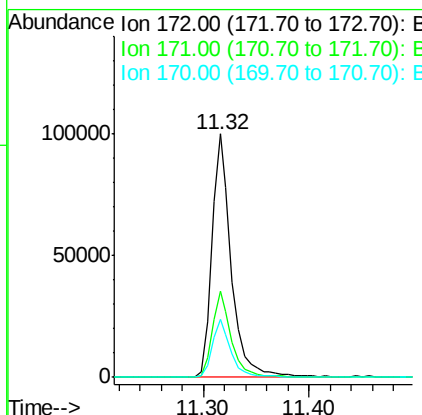
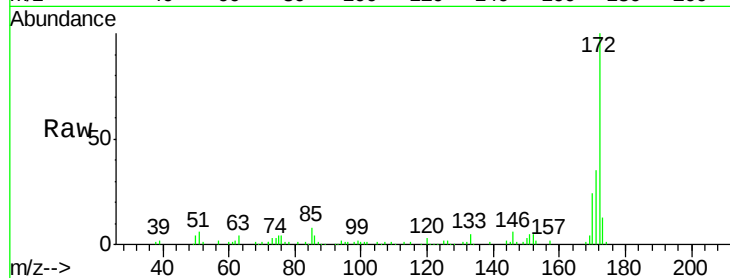




#44
2-Fluorobiphenyl
Concen: 11.13 ng
RT: 11.32 min Scan# 1637
Delta R.T. -0.01 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

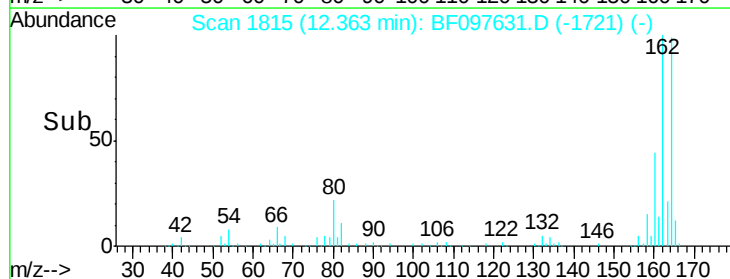
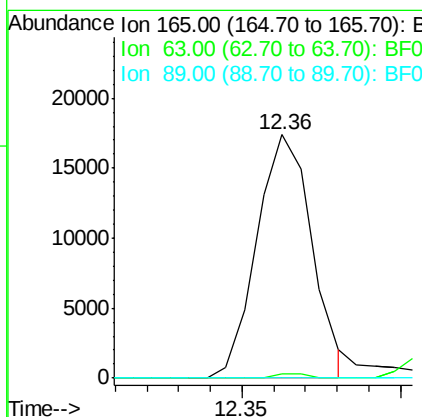
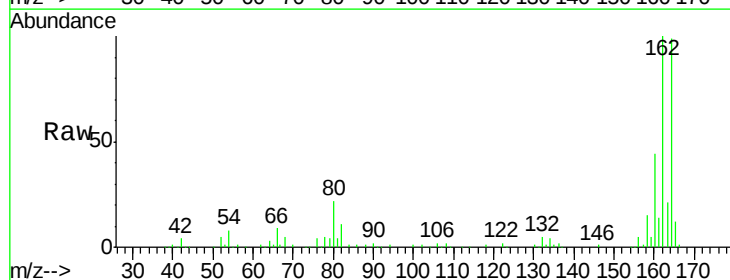
Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

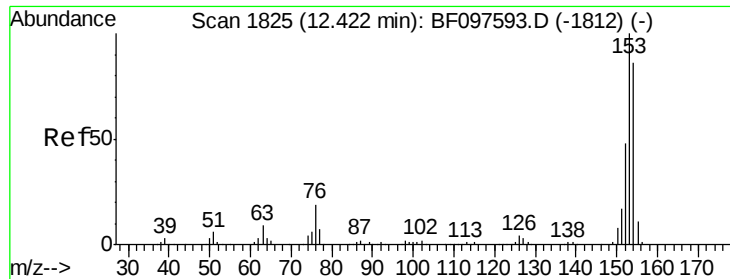
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	24.0	19.8	29.8



#50
2,6-Dinitrotoluene
Concen: 7.54 ng
RT: 12.36 min Scan# 1815
Delta R.T. 0.25 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	0.0	37.1	55.7#





#51

Acenaphthene

Concen: 5.19 ng

RT: 12.42 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

Instrument :

BNA_F

ClientSampleId :

SB-34-COMP

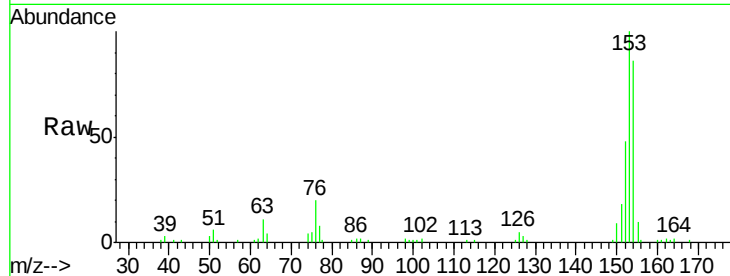
Tot Ion:154 Resp: 56918

Ion Ratio Lower Upper

154 100

153 116.9 90.5 135.7

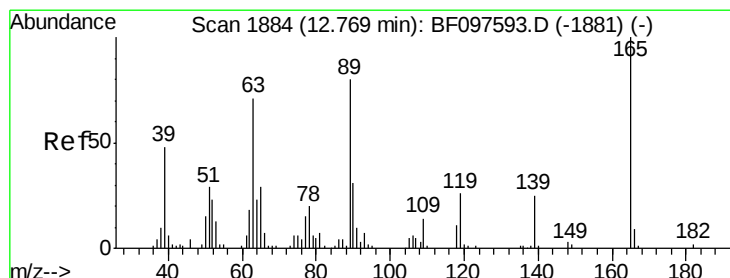
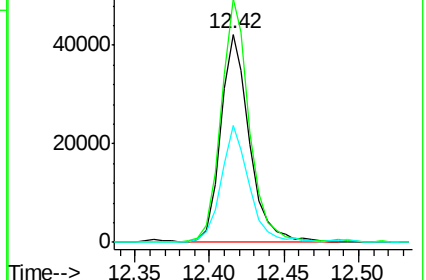
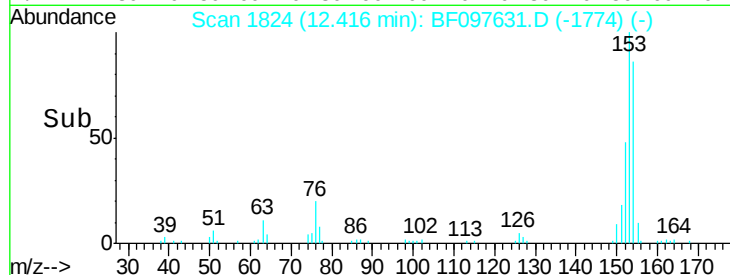
152 56.0 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 8.69 ng

RT: 12.72 min Scan# 1875

Delta R.T. -0.05 min

Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

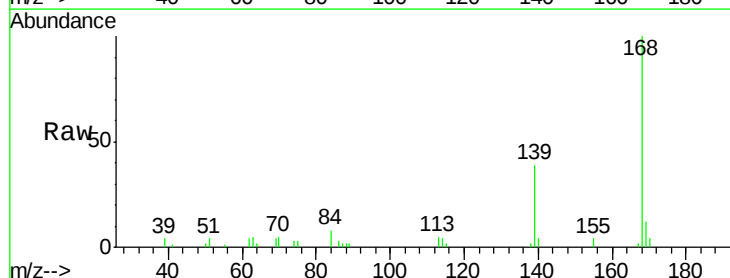
Tgt Ion:139 Resp: 12055

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

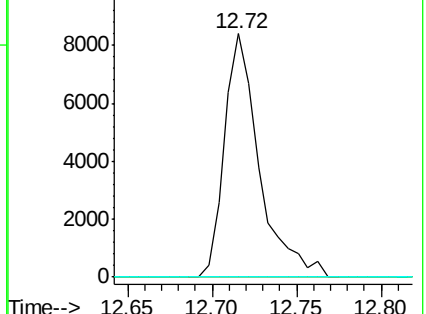
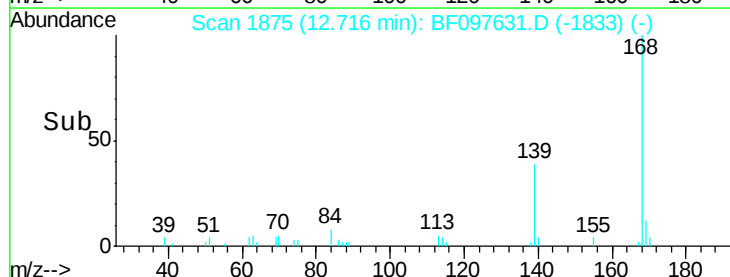
65 0.0 31.4 71.4#

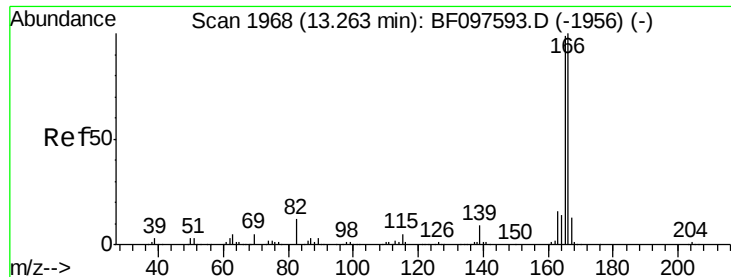


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

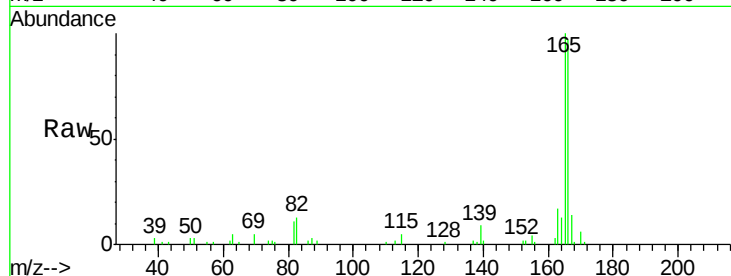




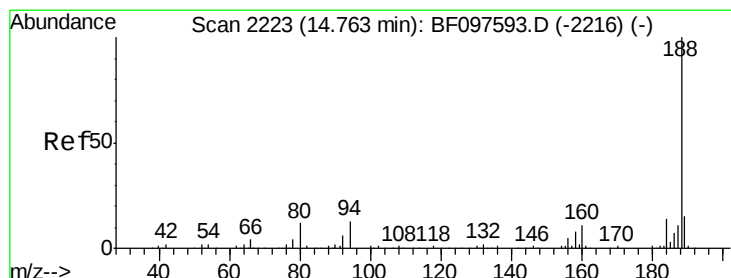
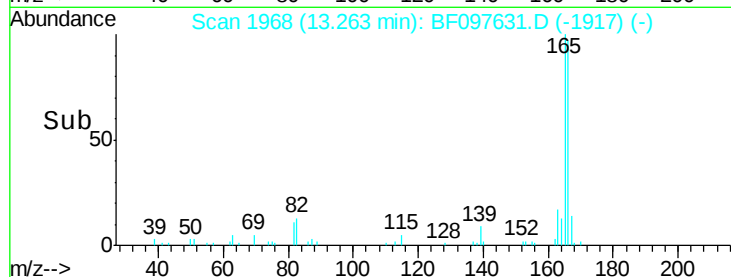
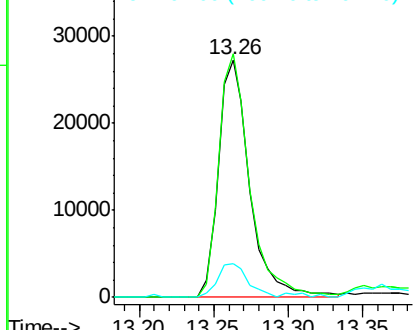
#57
Fluorene
 Concen: 3.17 ng
 RT: 13.26 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-34-COMP

Tot Ion:166 Resp: 40102
 Ion Ratio Lower Upper
 166 100
 165 102.6 78.8 118.2
 167 14.5 10.6 16.0

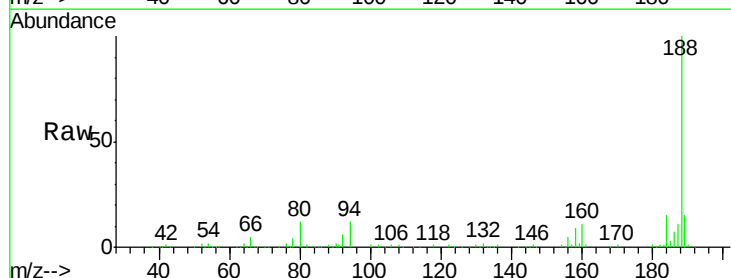


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

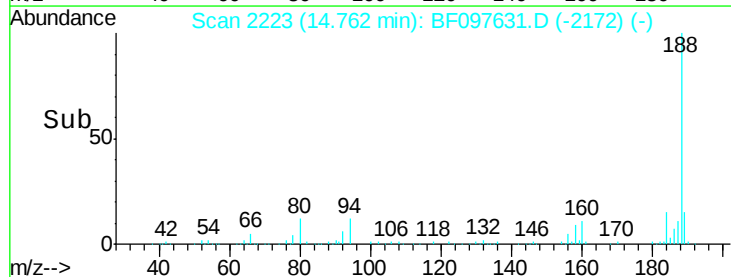
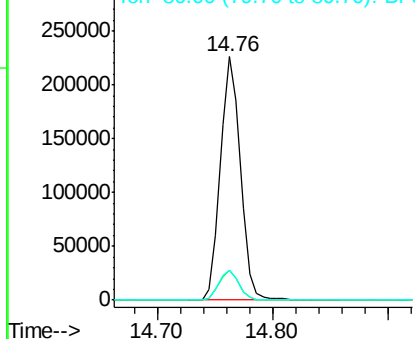


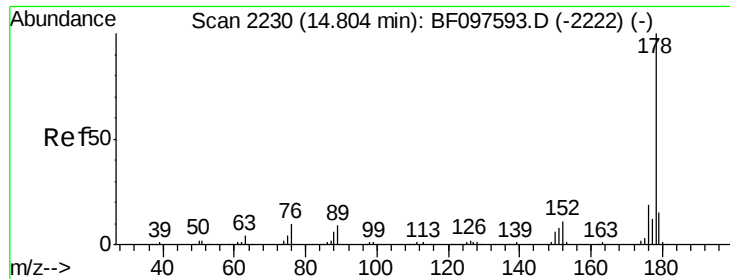
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.76 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Tgt Ion:188 Resp: 273066
 Ion Ratio Lower Upper
 188 100
 94 12.2 9.4 14.2
 80 12.2 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

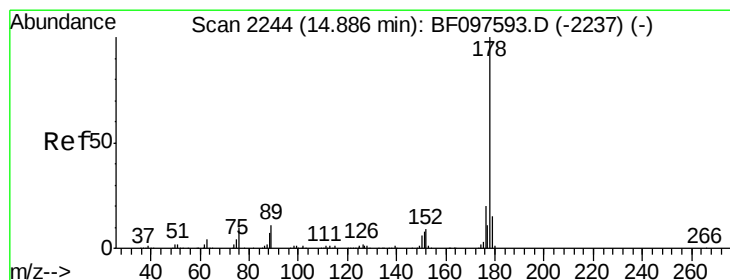
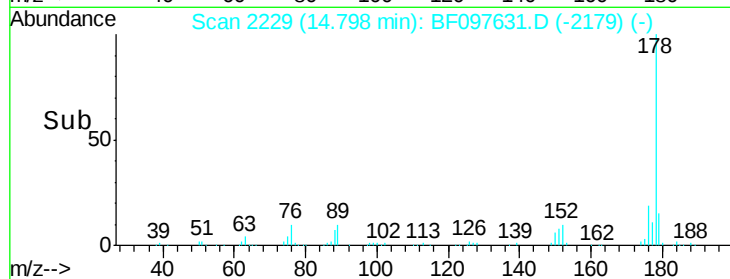
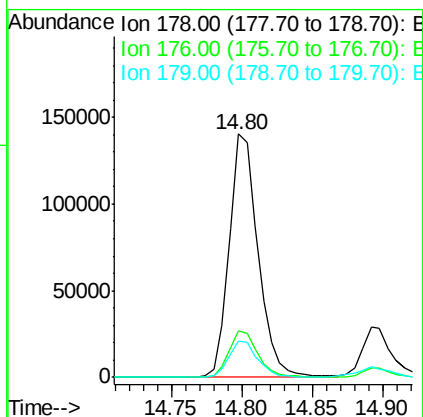
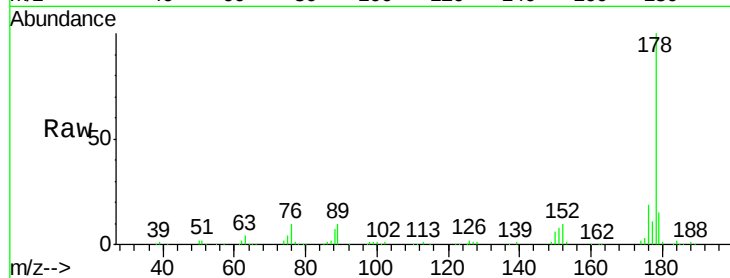




#70
Phenanthrene
Concen: 12.78 ng
RT: 14.80 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

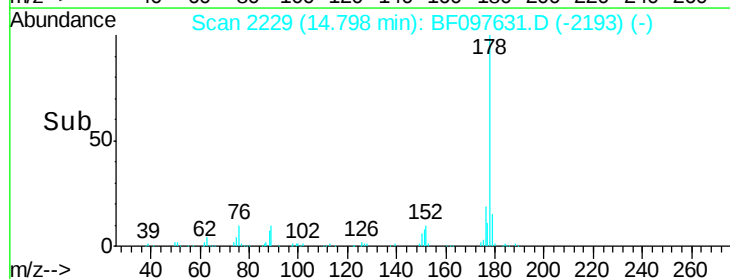
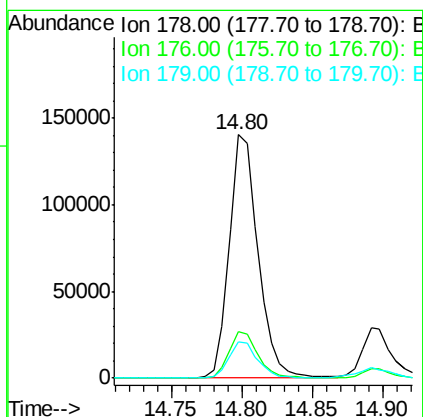
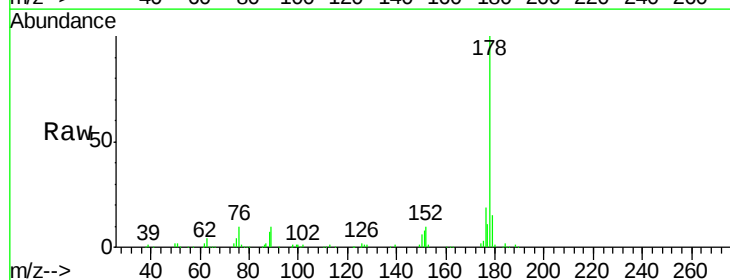
Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

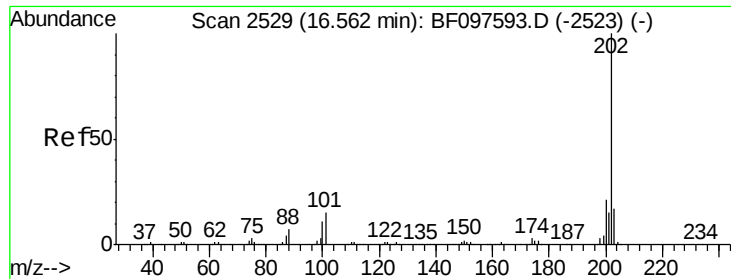
Tot Ion:178 Resp: 200965
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 15.1 12.6 19.0



#71
Anthracene
Concen: 12.49 ng
RT: 14.80 min Scan# 2229
Delta R.T. -0.09 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion:178 Resp: 200965
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.1 12.7 19.1





#74

Fluoranthene

Concen: 10.12 ng

RT: 16.57 min Scan# 2530

Delta R.T. 0.01 min

Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

Instrument :

BNA_F

ClientSampleId :

SB-34-COMP

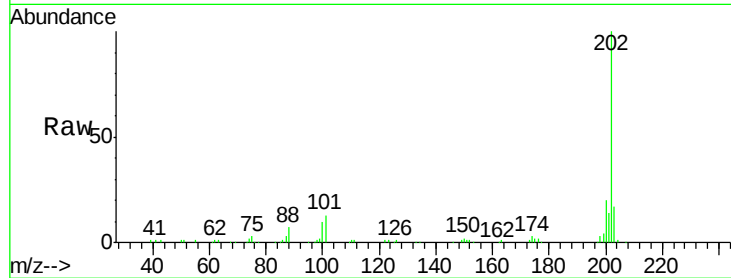
Tot Ion:202 Resp: 143806

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

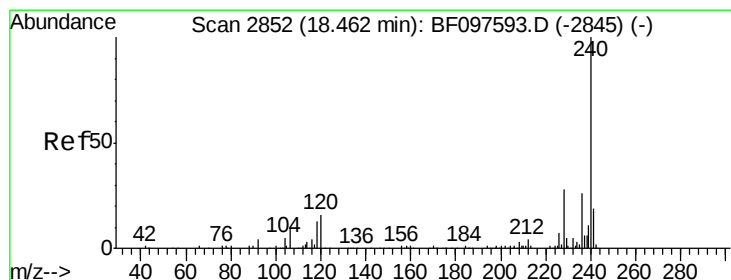
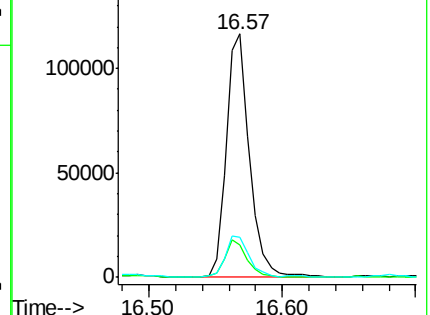
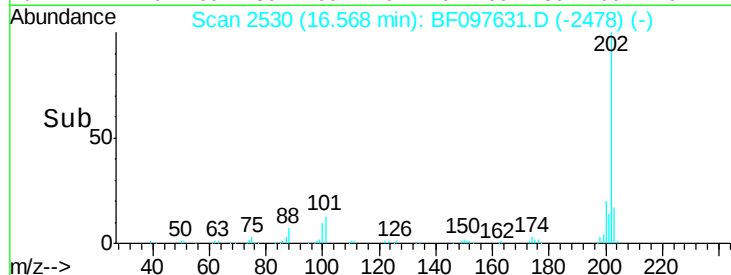
203 16.5 0.0 38.1



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: BF097631.D

Acq: 12 Aug 2017 10:57

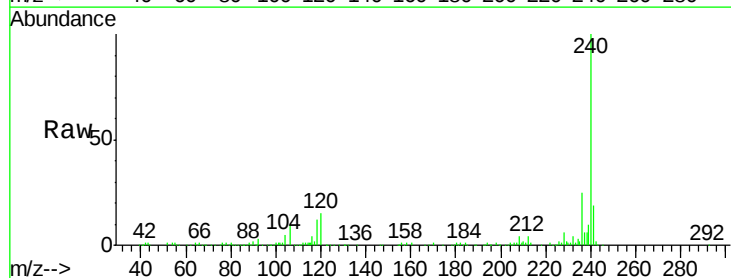
Tgt Ion:240 Resp: 201732

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

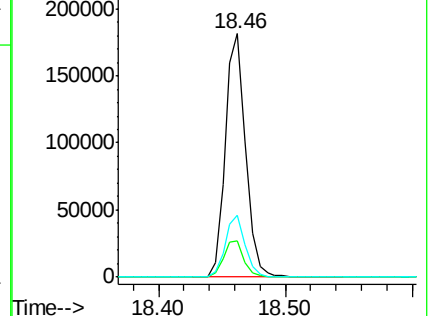
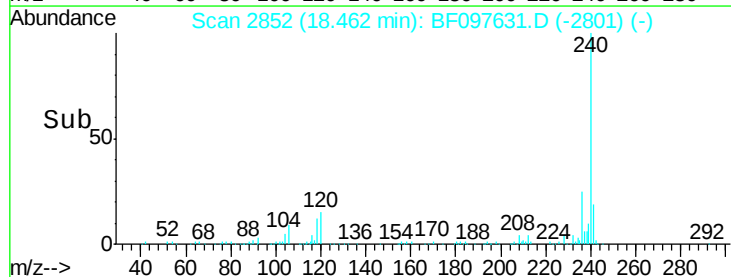
236 25.4 20.5 30.7

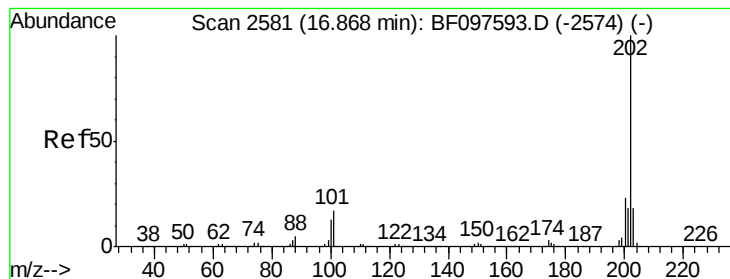


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.53 ng

RT: 16.87 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

Instrument :

BNA_F

ClientSampleId :

SB-34-COMP

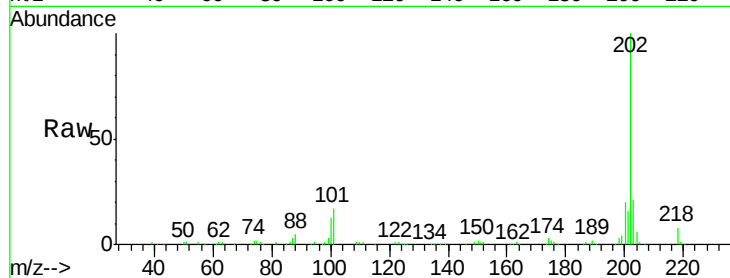
Tot Ion:202 Resp: 142225

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

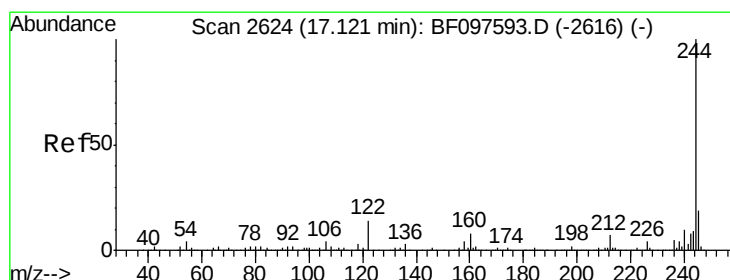
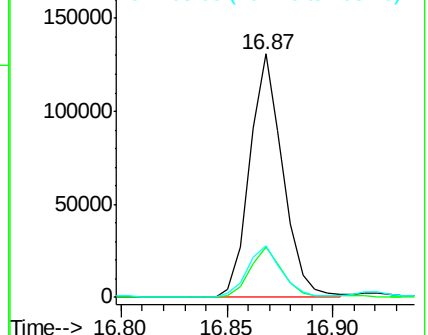
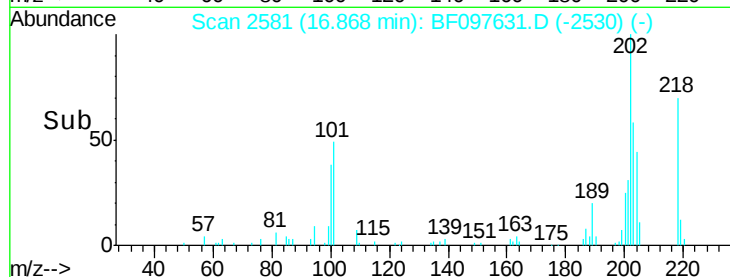
203 21.0 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 9.01 ng

RT: 17.12 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

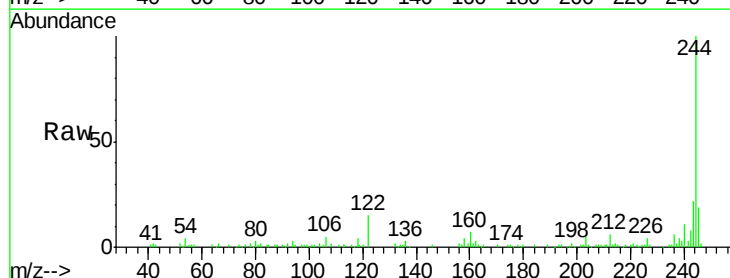
Tgt Ion:244 Resp: 87777

Ion Ratio Lower Upper

244 100

212 6.1 6.0 9.0

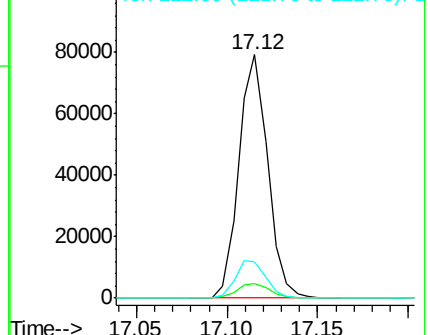
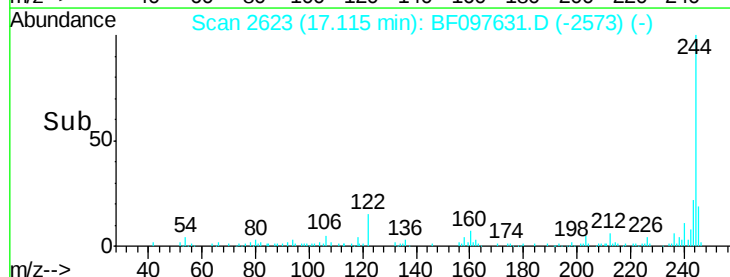
122 15.1 10.3 15.5

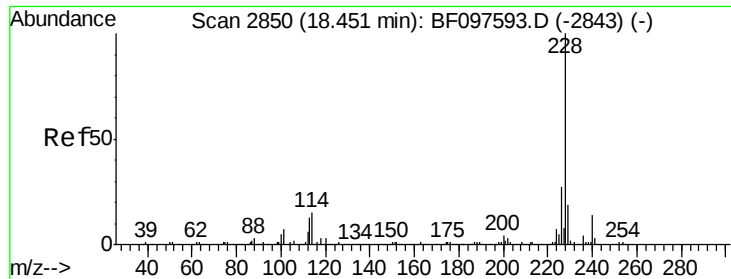


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

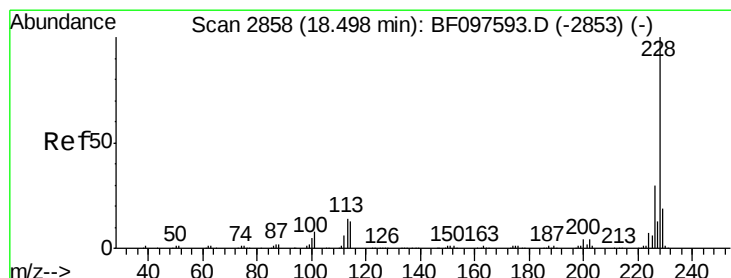
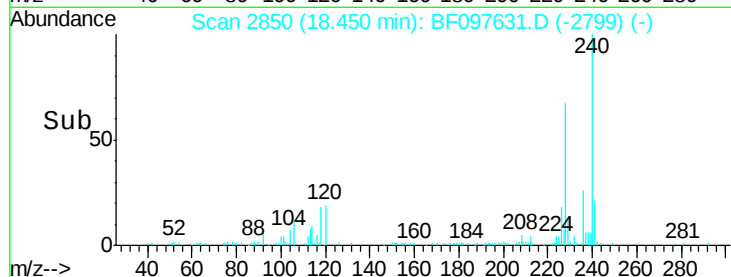
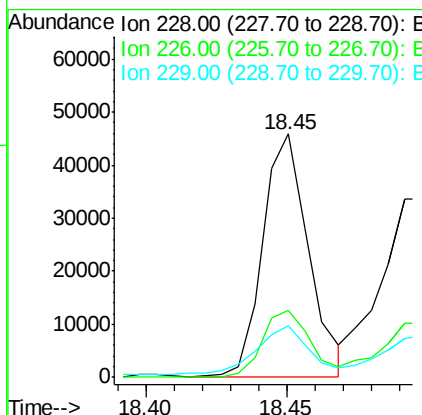
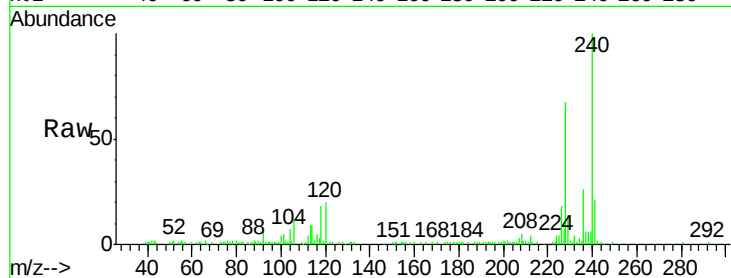




#80
Benzo(a)anthracene
Concen: 4.39 ng
RT: 18.45 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

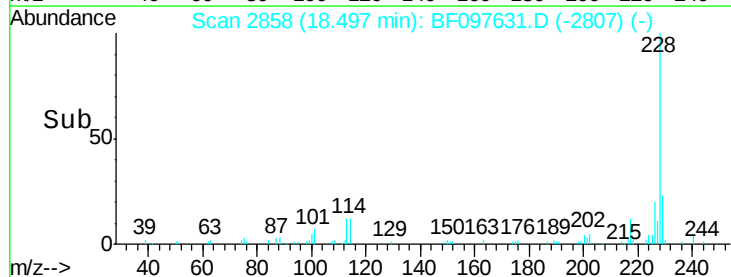
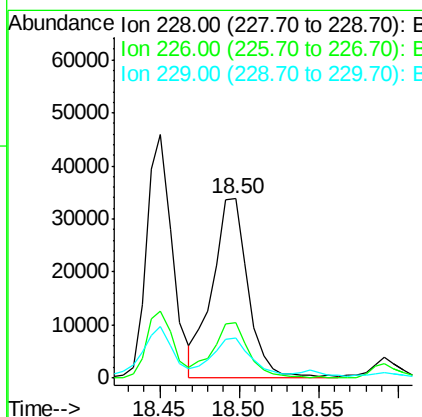
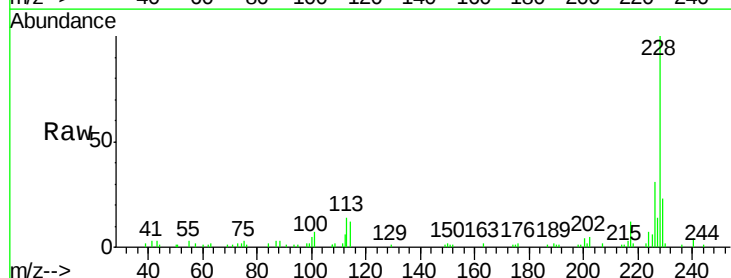
Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

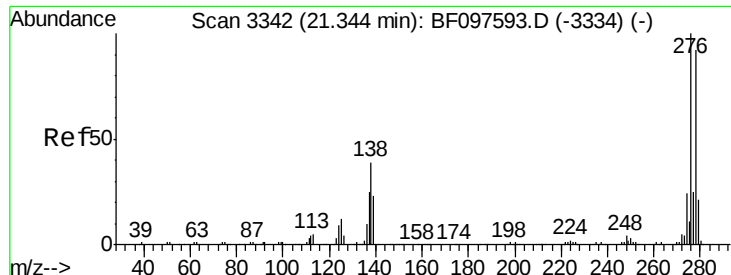
Tot Ion:228 Resp: 51760
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 21.3 16.3 24.5



#82
Chrysene
Concen: 4.56 ng
RT: 18.50 min Scan# 2858
Delta R.T. -0.00 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion:228 Resp: 53476
Ion Ratio Lower Upper
228 100
226 31.2 24.9 37.3
229 22.7 15.8 23.6

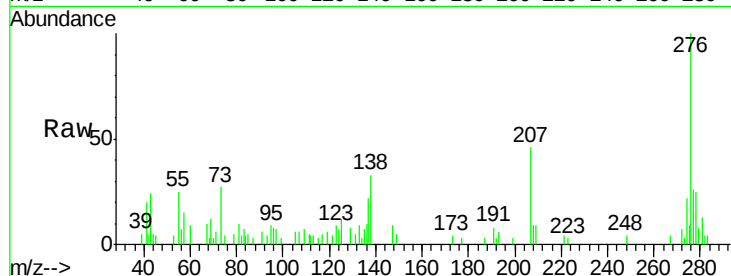




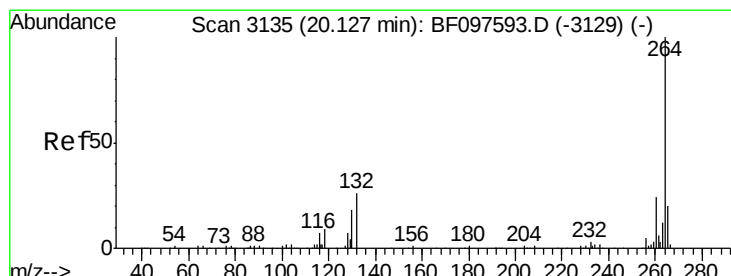
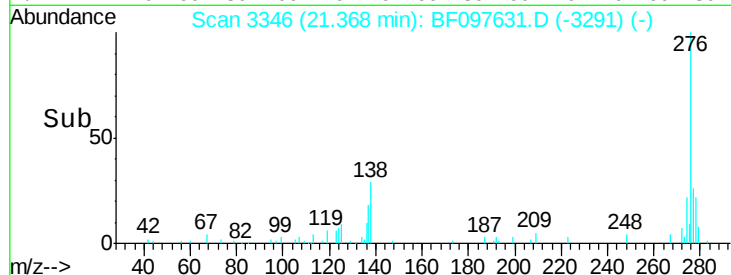
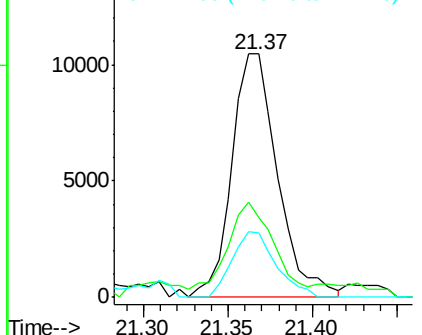
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.17 ng
 RT: 21.37 min Scan# 3346
 Delta R.T. 0.02 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-34-COMP

Tot Ion:276 Resp: 19764
 Ion Ratio Lower Upper
 276 100
 138 33.1 27.8 41.6
 277 25.6 20.2 30.4

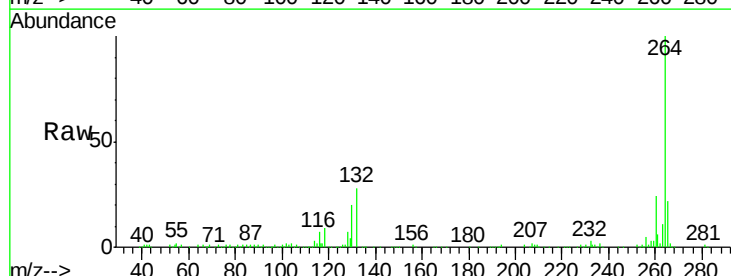


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

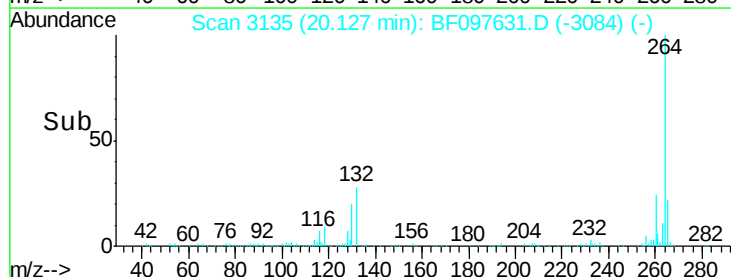
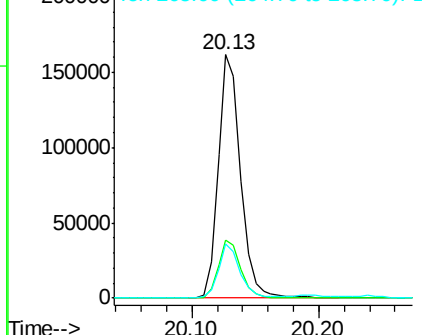


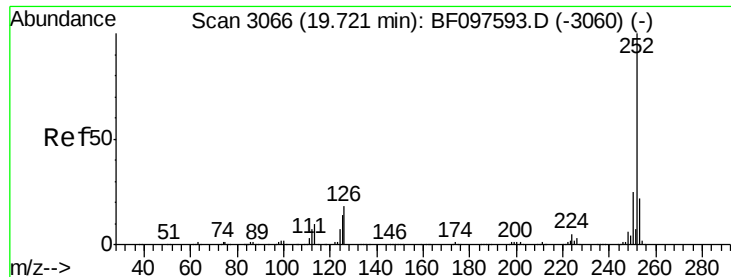
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.13 min Scan# 3135
 Delta R.T. -0.00 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Tgt Ion:264 Resp: 198573
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.5 29.3
 265 22.5 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: 6.50 ng

RT: 19.73 min Scan# 3067

Delta R.T. 0.01 min

Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

Instrument :

BNA_F

ClientSampled :

SB-34-COMP

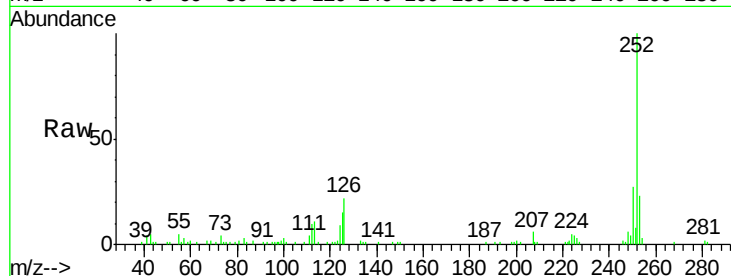
Tot Ion:252 Resp: 77490

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

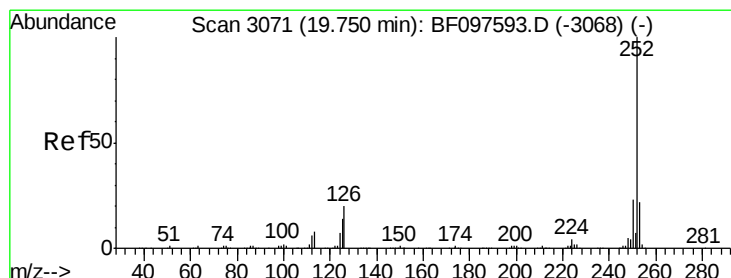
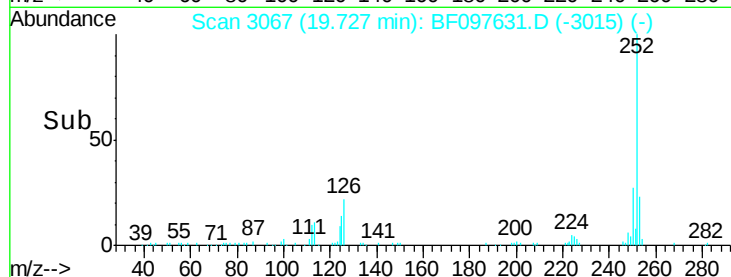
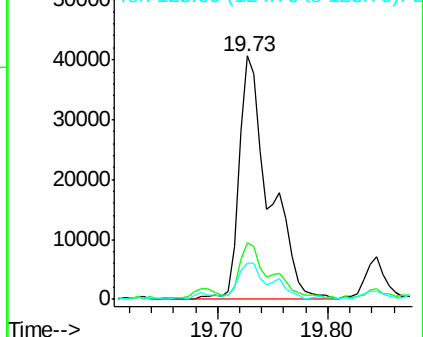
125 14.8 9.8 14.8#



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: 6.45 ng

RT: 19.73 min Scan# 3067

Delta R.T. -0.02 min

Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

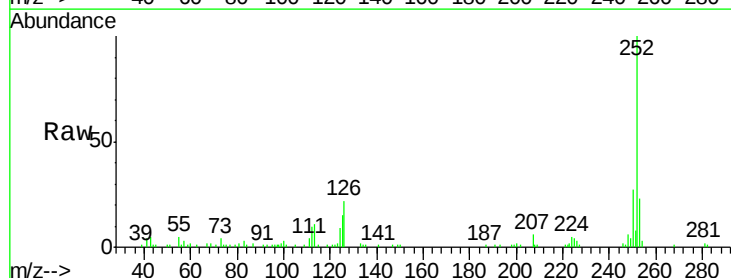
Tgt Ion:252 Resp: 77490

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

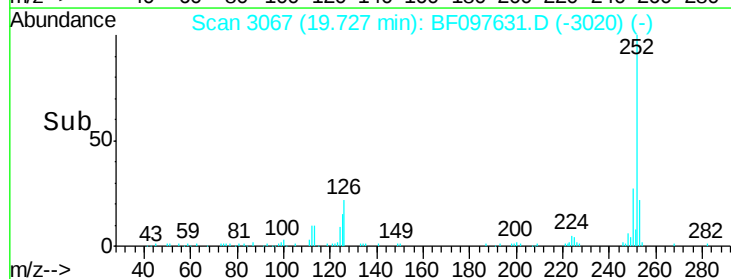
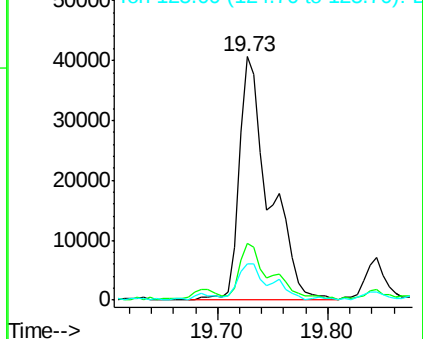
125 14.8 13.1 19.7

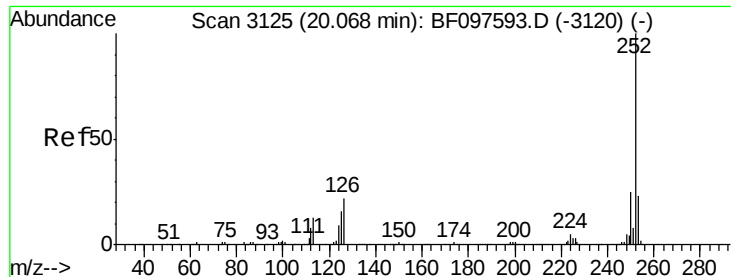


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

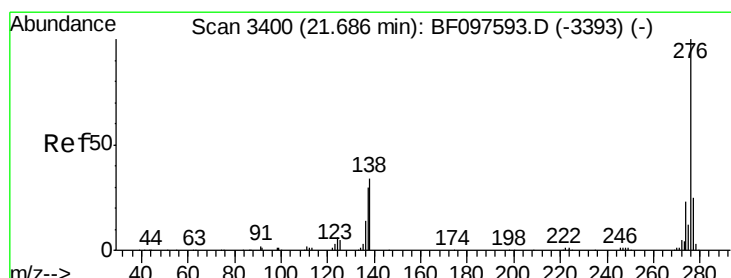
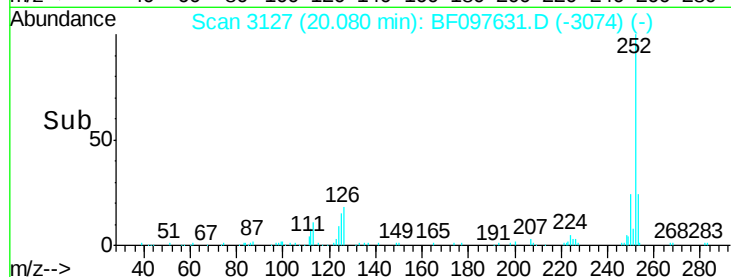
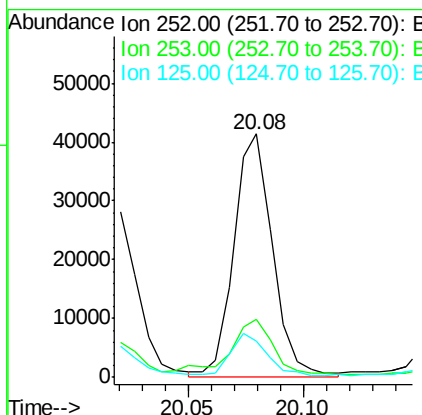
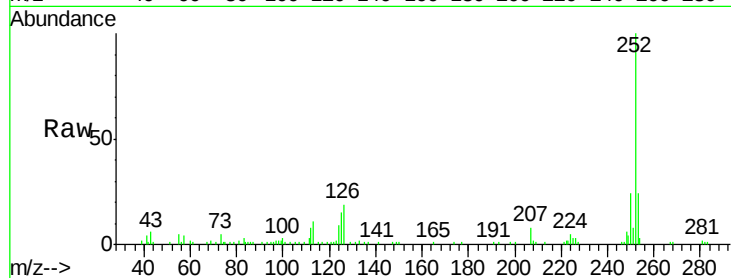




#89
Benzo(a)pyrene
Concen: 4.44 ng
RT: 20.08 min Scan# 3127
Delta R.T. 0.01 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

Tot Ion:252 Resp: 48587
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 15.0 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 2.26 ng
RT: 21.71 min Scan# 3405
Delta R.T. 0.03 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion:276 Resp: 19387
Ion Ratio Lower Upper
276 100
277 23.9 18.6 28.0
138 32.8 25.4 38.0

