

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097735.D
 Acq On : 16 Aug 2017 13:30
 Operator : SJ/JU
 Sample : I4755-01RE 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-081117-ARE

Quant Time: Aug 16 15:19:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	154441	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	623830	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	289184	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	562421	20.00	ng	0.00
75) Chrysene-d12	13.93	240	349080	20.00	ng	0.00
86) Perylene-d12	15.36	264	281391	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	95556	9.41	ng	-0.01
7) Phenol-d6	6.39	99	131592	9.54	ng	-0.02
23) Nitrobenzene-d5	7.33	82	80482	7.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	24860	9.91	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	138712	7.05	ng	-0.01
78) Terphenyl-d14	12.88	244	117831	7.04	ng	-0.01

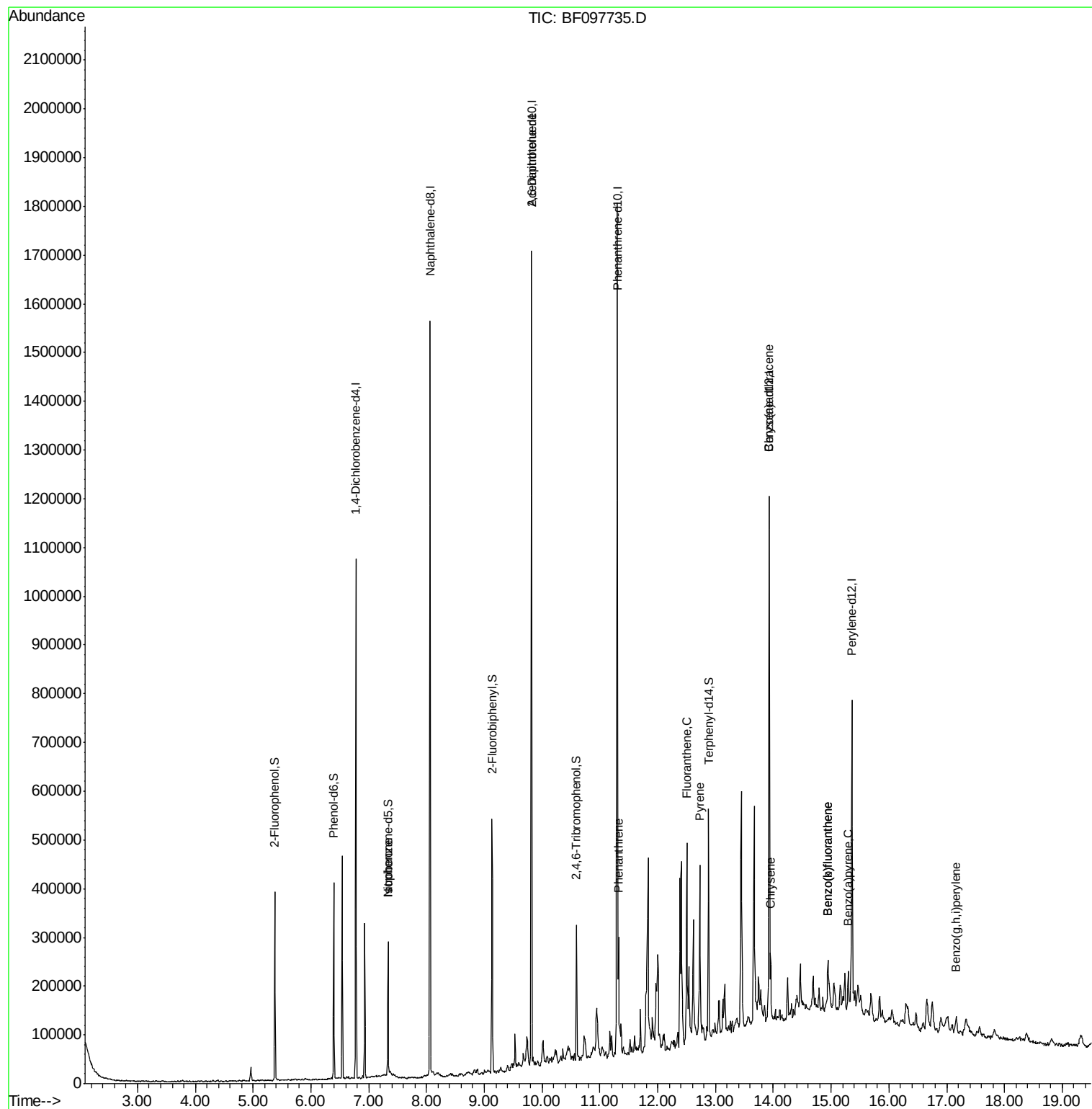
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.33	82	79941	3.348	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	38423	9.106	ng	# 34
70) Phenanthrene	11.32	178	63729	2.126	ng	97
74) Fluoranthene	12.50	202	140426	4.489	ng	99
77) Pyrene	12.73	202	125319	4.389	ng	96
80) Benzo(a)anthracene	13.92	228	47285	2.260	ng	97
82) Chrysene	13.95	228	47630	2.289	ng	97
87) Benzo(b)fluoranthene	14.94	252	70645	3.983	ng	# 92
88) Benzo(k)fluoranthene	14.94	252	70645	4.239	ng	96
89) Benzo(a)pyrene	15.30	252	38980	2.482	ng	97
91) Benzo(g,h,i)perylene	17.16	276	27879	2.090	ng	# 92

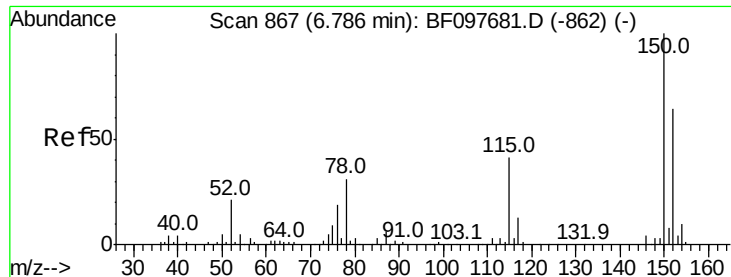
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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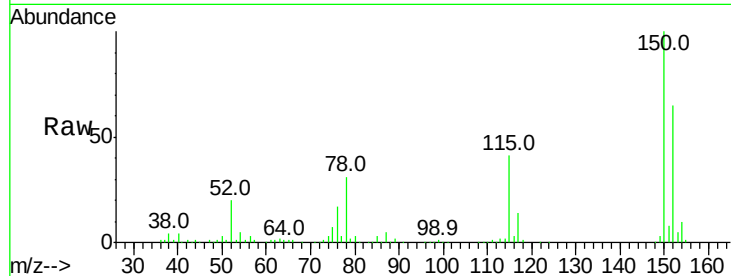


#1

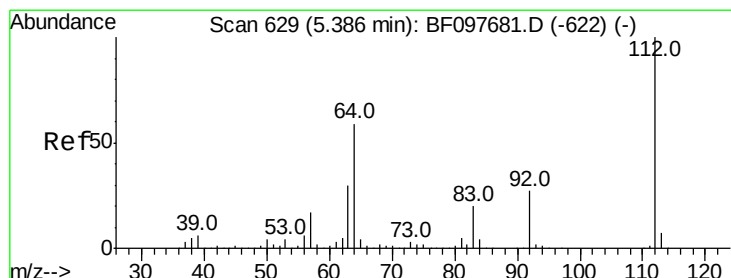
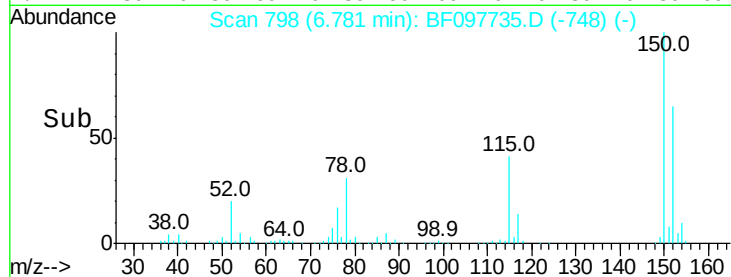
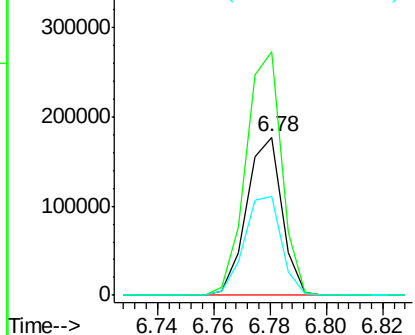
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Instrument :
BNA_F
ClientSampleId :
SA-06-081117-ARE

Tot Ion:152 Resp: 154441
Ion Ratio Lower Upper
152 100
150 153.8 126.2 189.2
115 62.6 52.2 78.2



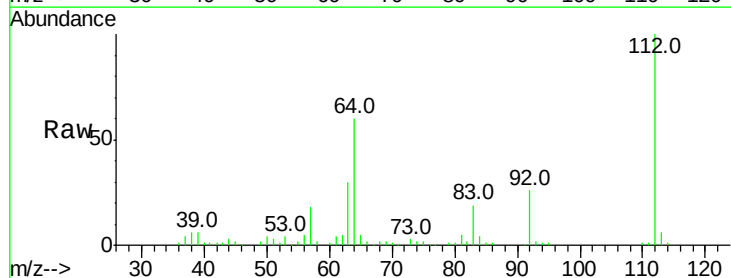
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



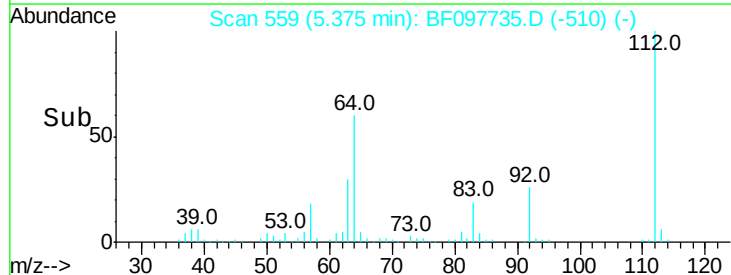
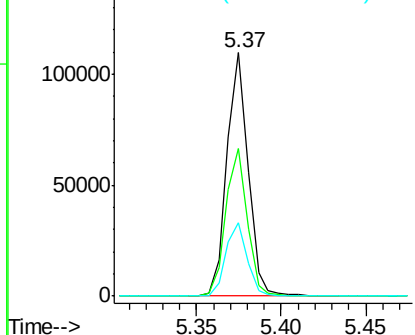
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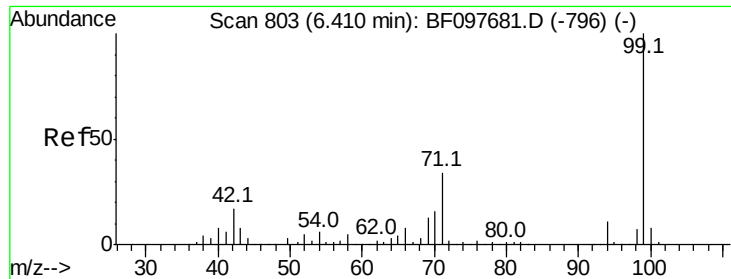
2-Fluorophenol
Concen: 9.411 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Tgt Ion:112 Resp: 95556
Ion Ratio Lower Upper
112 100
64 60.5 46.0 69.0
63 30.2 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: 9.539 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097735.D

Acq: 16 Aug 2017 13:30

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-ARE

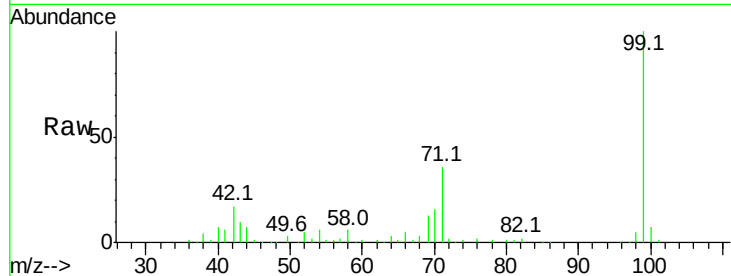
Tot Ion: 99 Resp: 131592

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

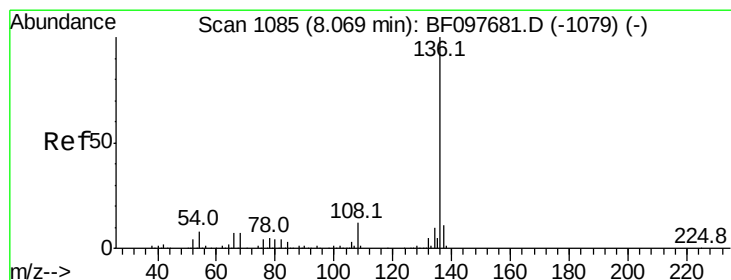
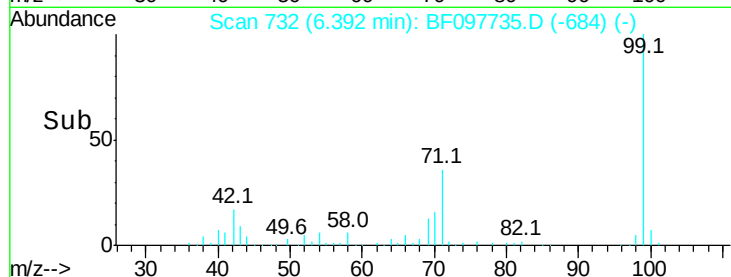
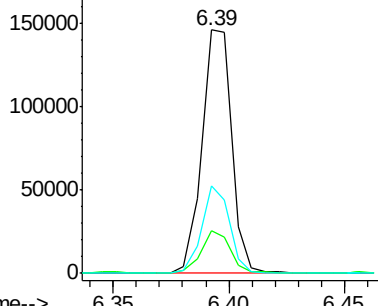
71 36.0 24.5 36.7



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: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097735.D

Acq: 16 Aug 2017 13:30

Tgt Ion: 136 Resp: 623830

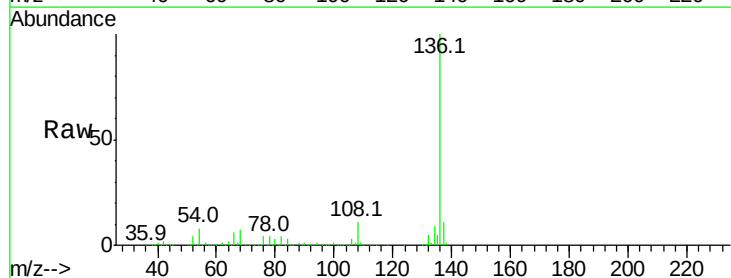
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.6 4.9 7.3#

68 7.0 4.1 6.1#

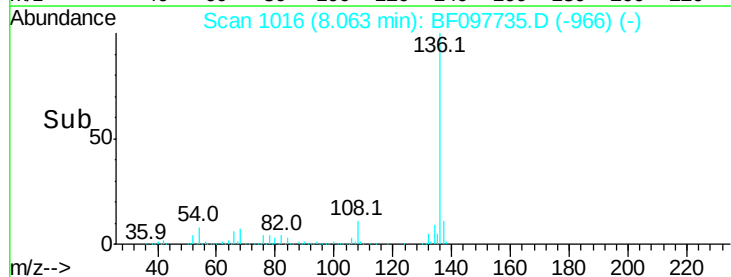
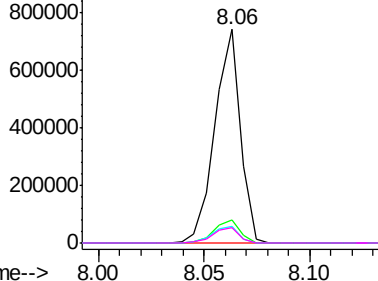


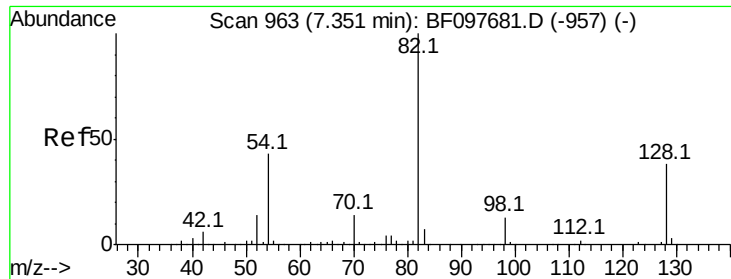
Abundance Ion 136.00 (135.70 to 136.70): E

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

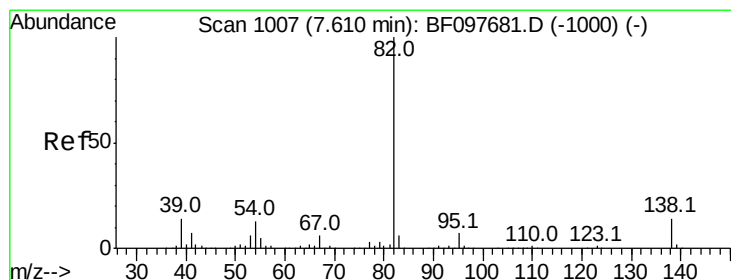
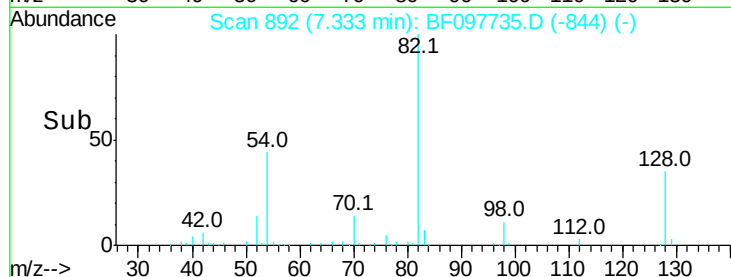
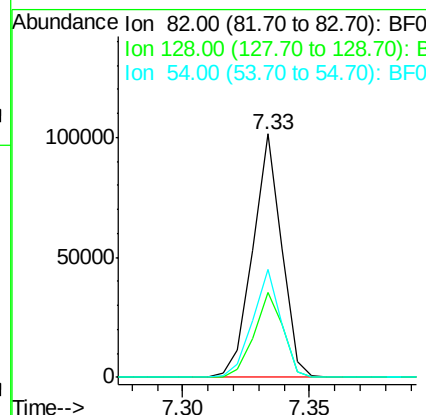
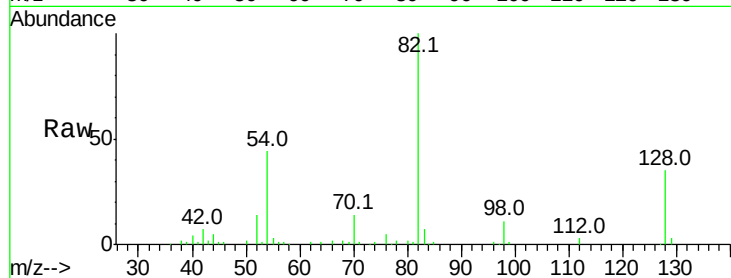




#23
Nitrobenzene-d5
Concen: 7.009 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

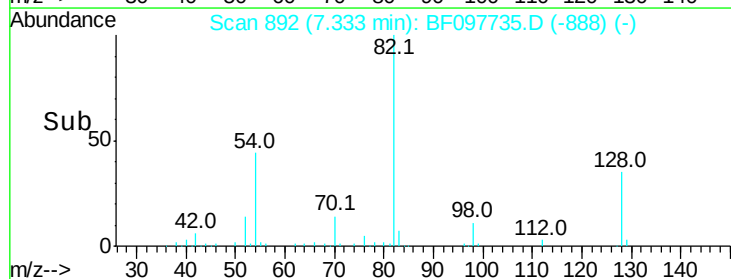
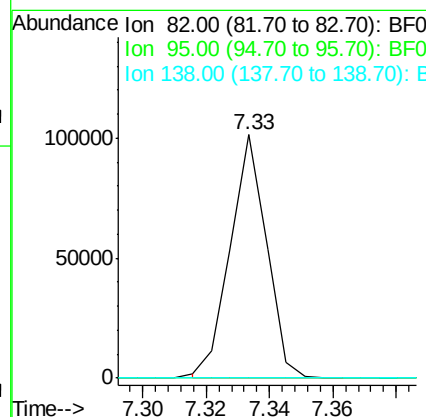
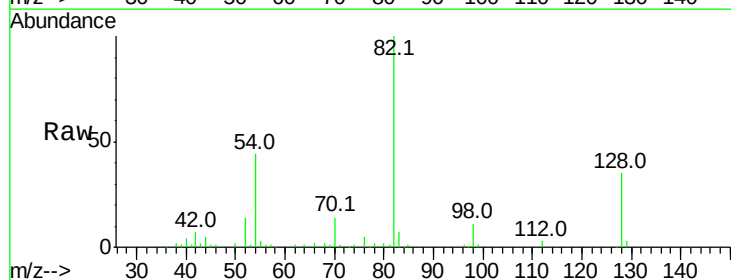
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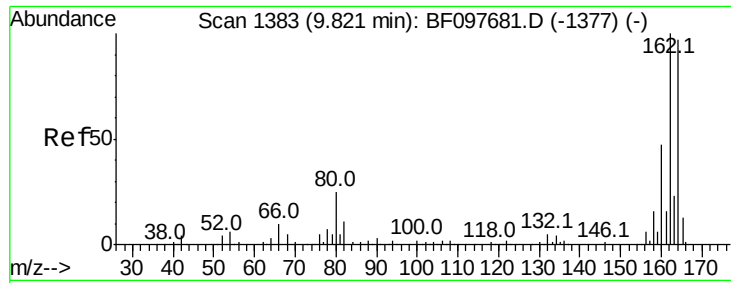
Tot Ion	82	Resp	80482
Ion Ratio	Lower	Upper	
82	100		
128	34.7	34.0	51.0
54	44.1	42.2	63.2



#25
Isophorone
Concen: 3.348 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.28 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Tgt Ion	82	Resp	79941
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

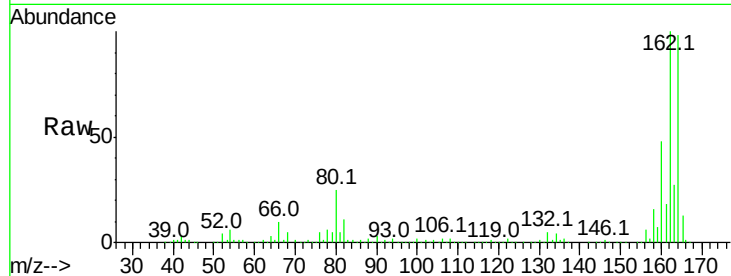




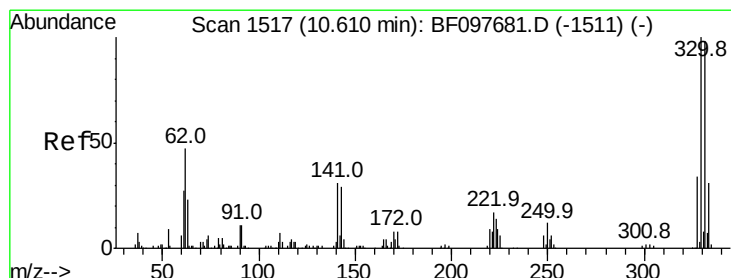
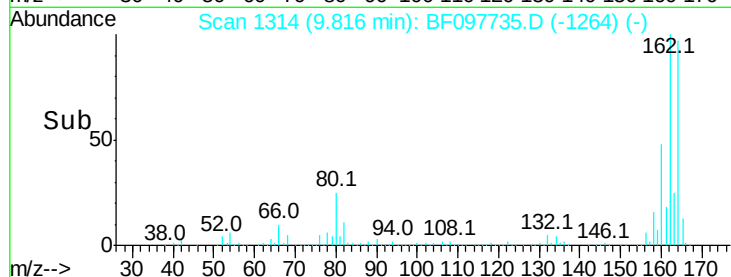
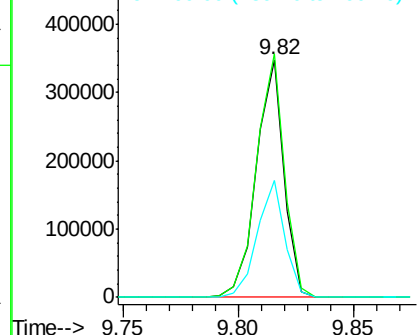
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Instrument :
BNA_F
ClientSampleId :
SA-06-081117-ARE

Tot Ion:164 Resp: 289184
Ion Ratio Lower Upper
164 100
162 102.6 82.6 123.8
160 49.1 36.2 54.2

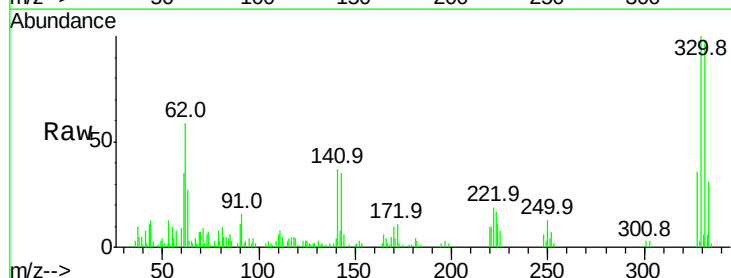


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

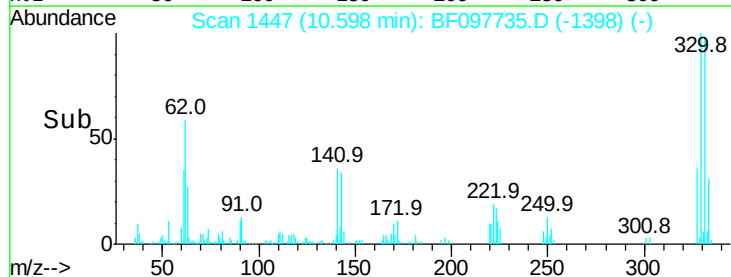
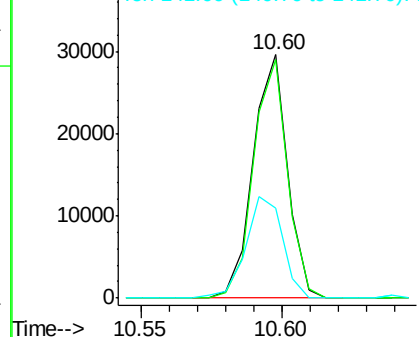


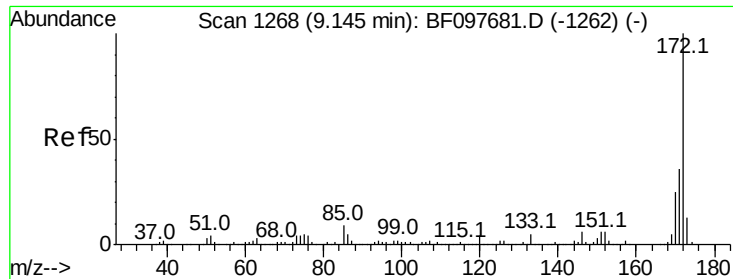
#41
2,4,6-Tribromophenol
Concen: 9.908 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Tgt Ion:330 Resp: 24860
Ion Ratio Lower Upper
330 100
332 96.8 76.6 115.0
141 44.7 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

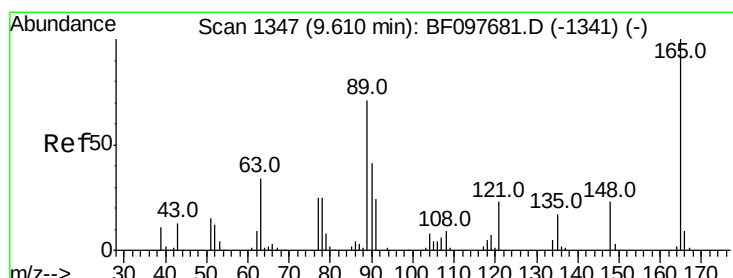
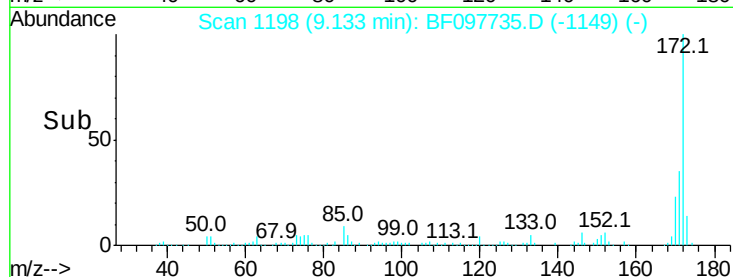
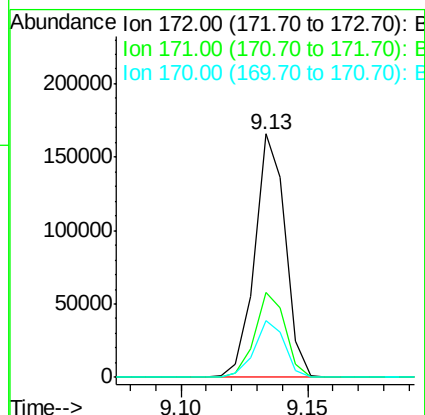
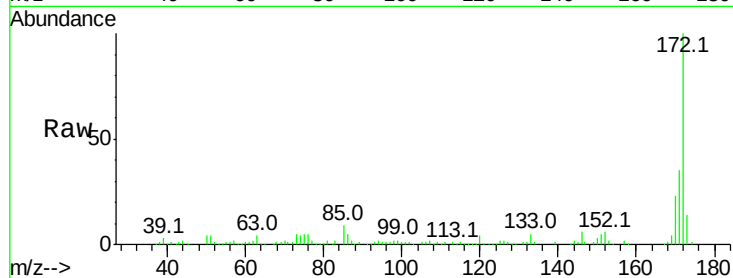




#44
 2-Fluorobiphenyl
 Concen: 7.047 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097735.D
 Acq: 16 Aug 2017 13:30

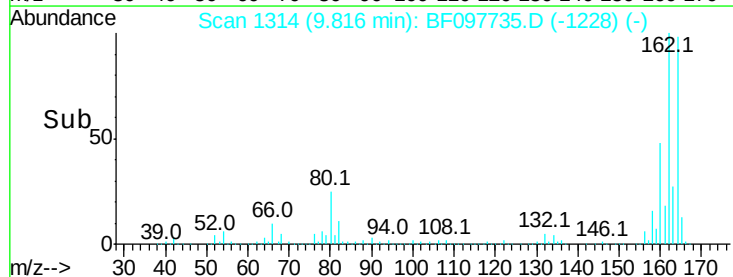
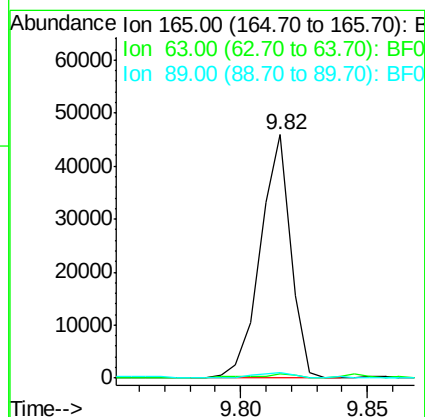
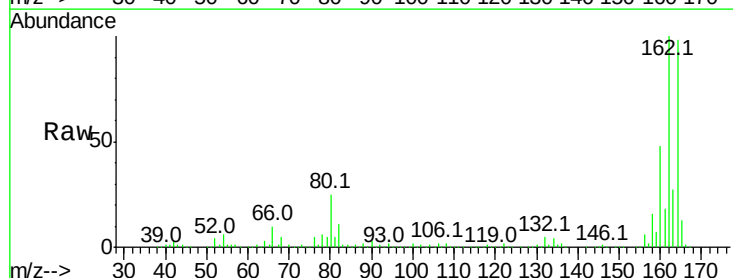
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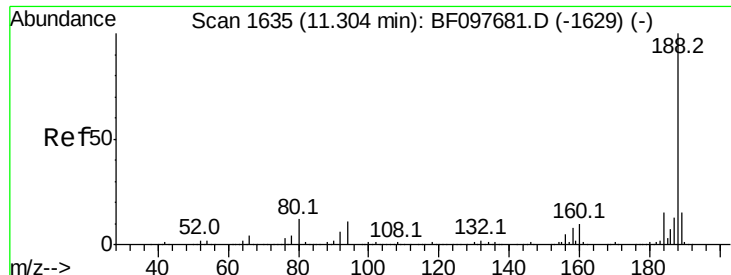
Tot Ion:172 Resp: 138712
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.6 44.4
 170 23.4 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 9.106 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097735.D
 Acq: 16 Aug 2017 13:30

Tgt Ion:165 Resp: 38423
 Ion Ratio Lower Upper
 165 100
 63 1.9 34.3 51.5#
 89 2.1 37.1 55.7#

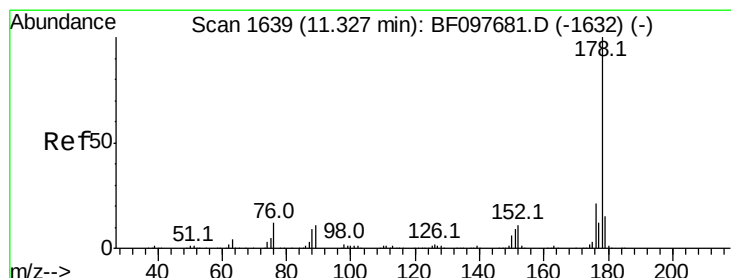
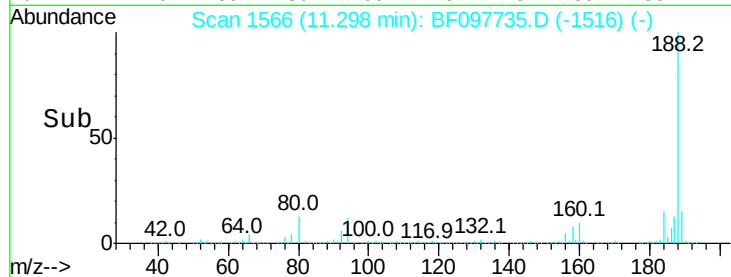
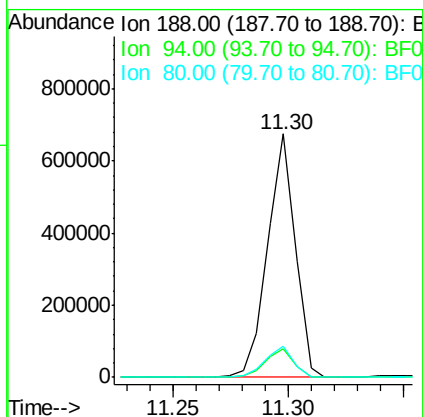
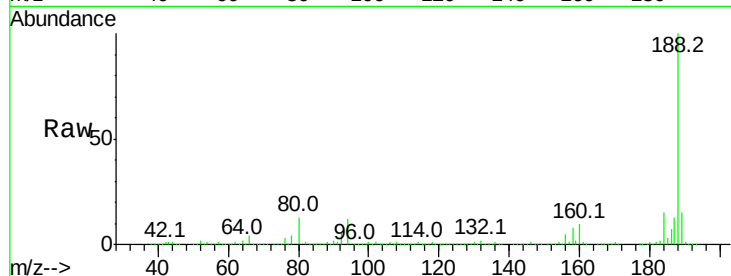




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

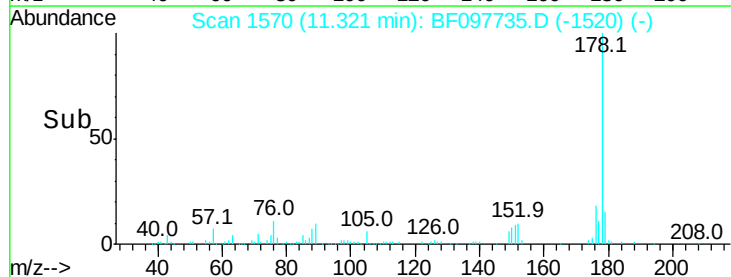
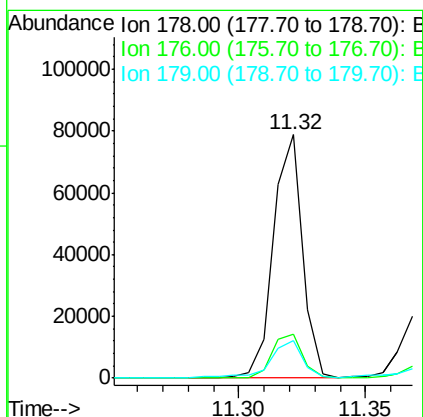
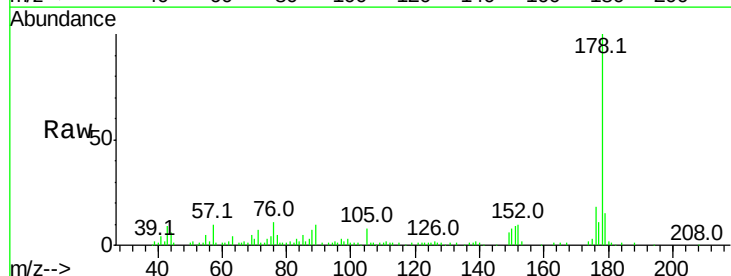
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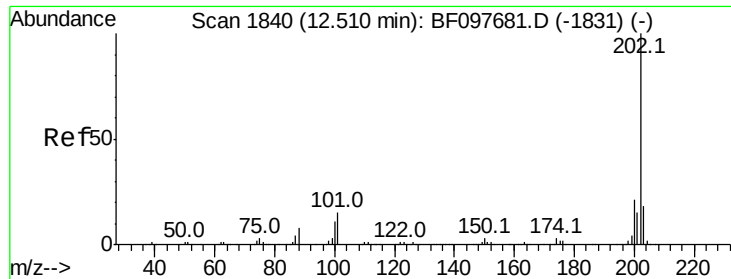
Tot Ion:188 Resp: 562421
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 12.6 10.2 15.2



#70
Phenanthrene
Concen: 2.126 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Tgt Ion:178 Resp: 63729
Ion Ratio Lower Upper
178 100
176 18.0 16.2 24.4
179 15.2 12.6 19.0

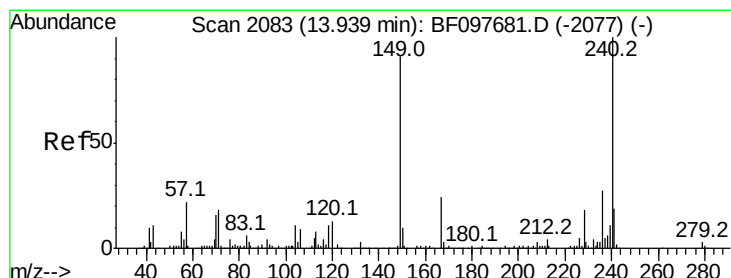
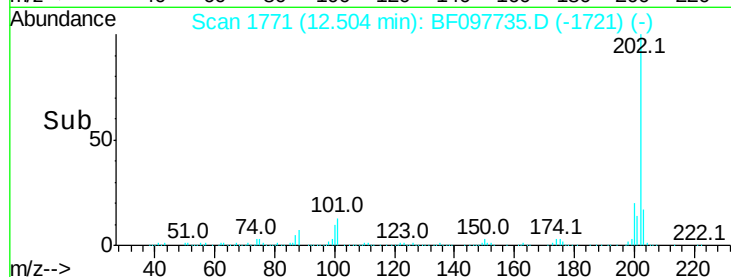
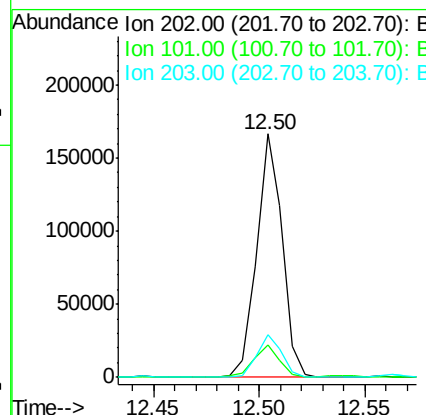
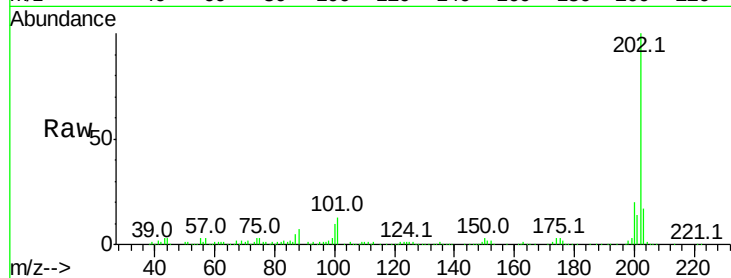




#74
Fluoranthene
Concen: 4.489 ng
RT: 12.50 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

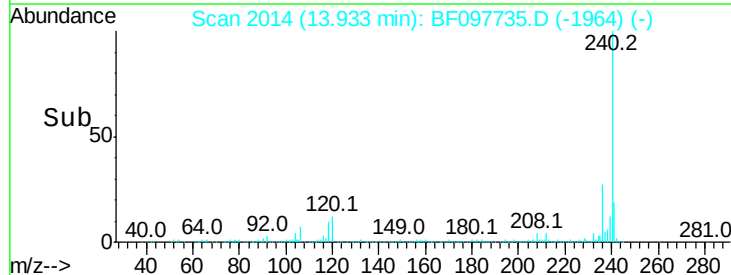
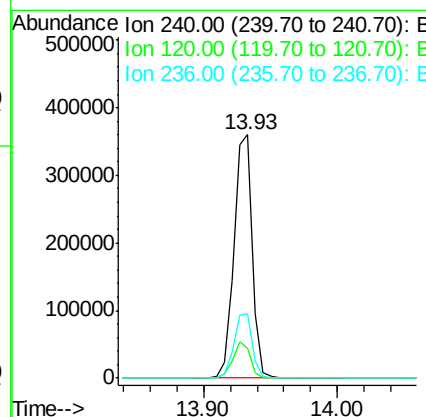
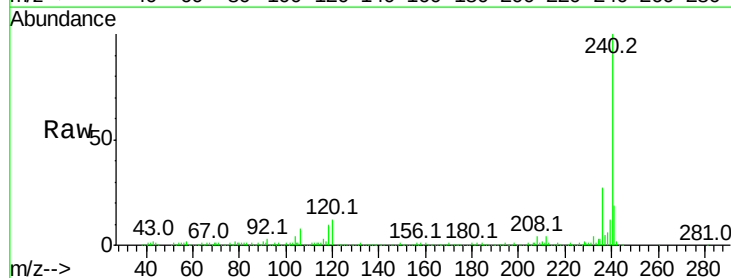
Instrument :
BNA_F
ClientSampleId :
SA-06-081117-ARE

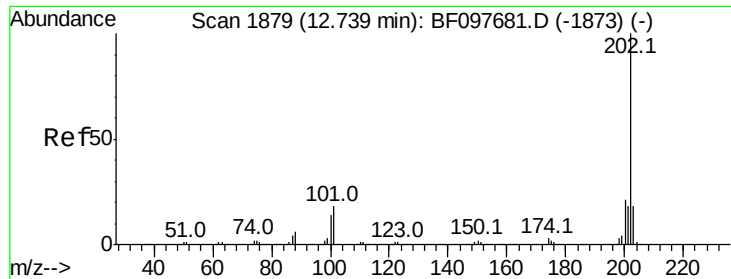
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	17.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.1	5.8	8.8#
236	26.5	20.5	30.7





#77

Pvrene

Concen: 4.389 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097735.D

Acq: 16 Aug 2017 13:30

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-ARE

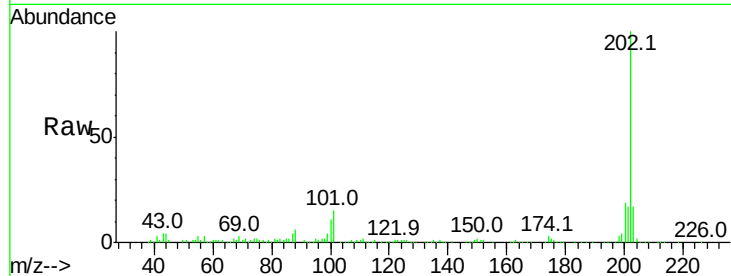
Tot Ion:202 Resp: 125319

Ion Ratio Lower Upper

202 100

200 19.4 17.6 26.4

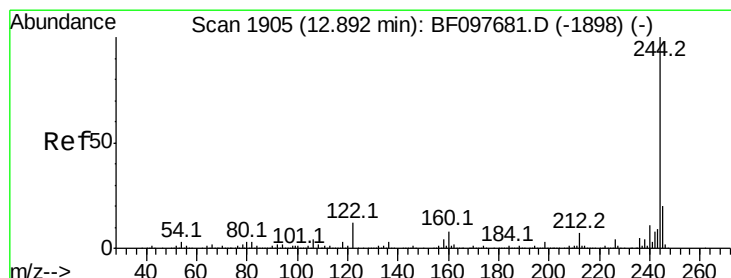
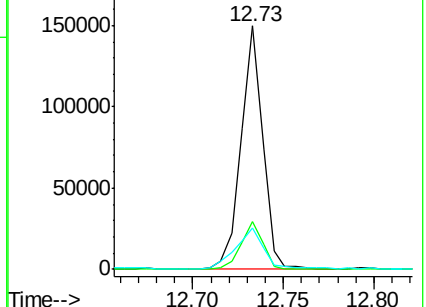
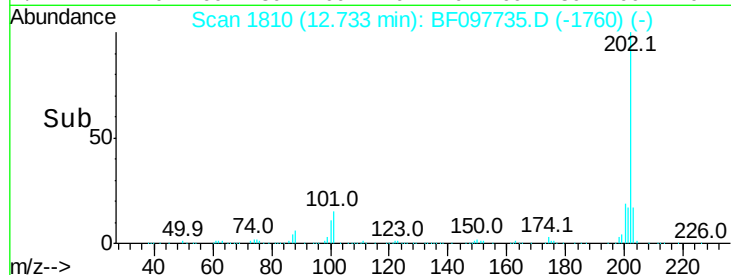
203 17.1 14.4 21.6



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: 7.039 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097735.D

Acq: 16 Aug 2017 13:30

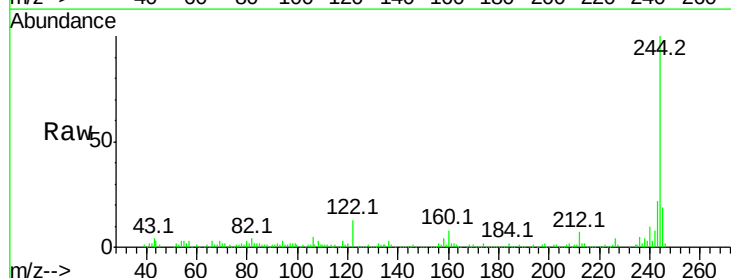
Tgt Ion:244 Resp: 117831

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

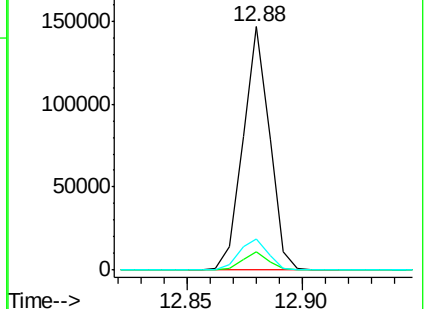
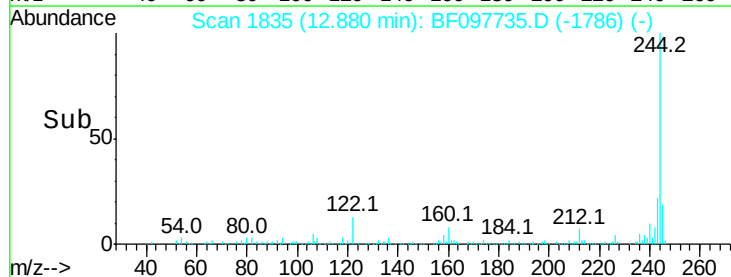
122 13.0 10.3 15.5

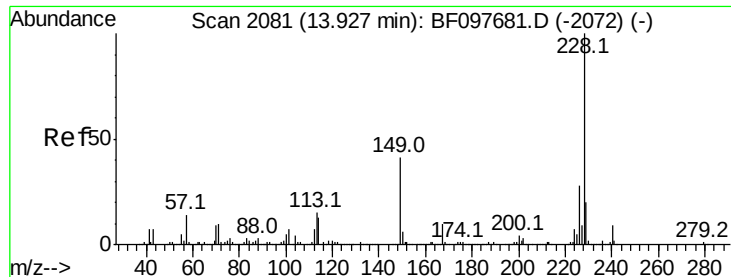


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

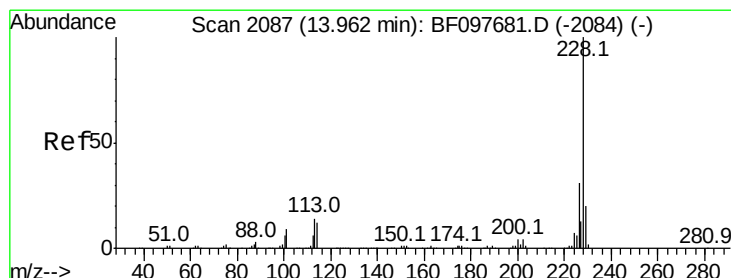
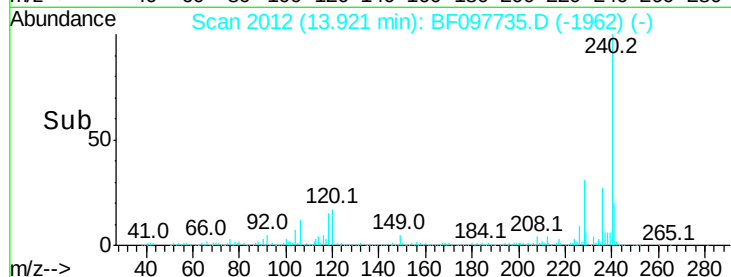
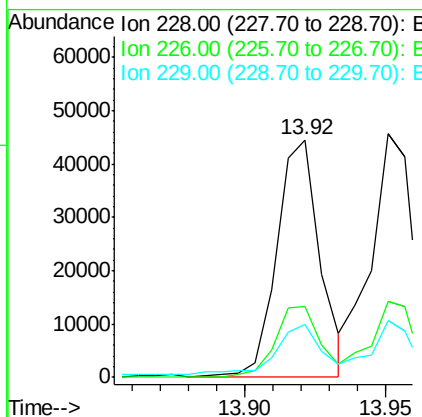
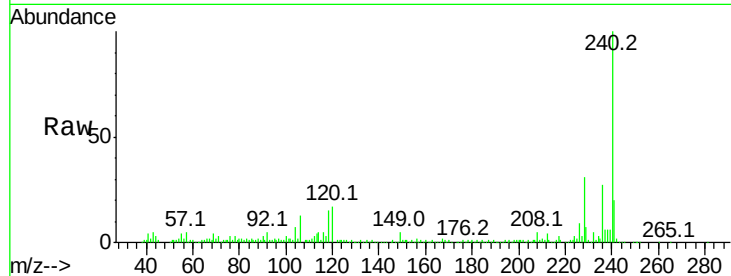




#80
Benzo(a)anthracene
Concen: 2.260 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

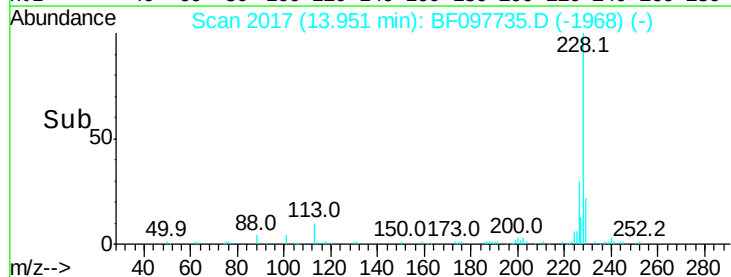
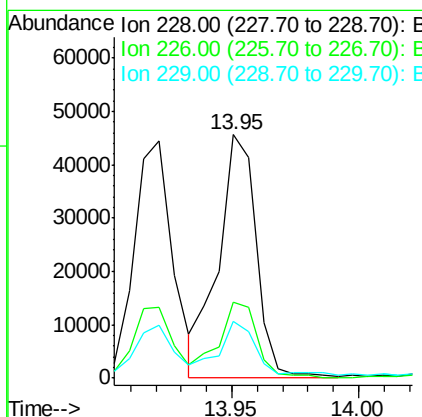
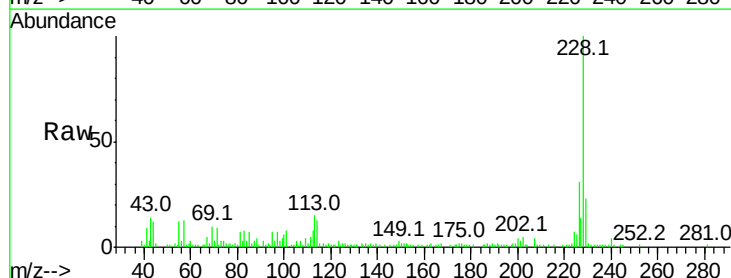
Instrument :
BNA_F
ClientSampleId :
SA-06-081117-ARE

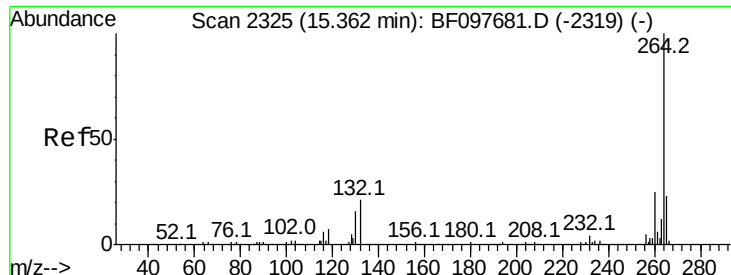
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	22.0	16.3	24.5



#82
Chrysene
Concen: 2.289 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	23.2	15.8	23.6

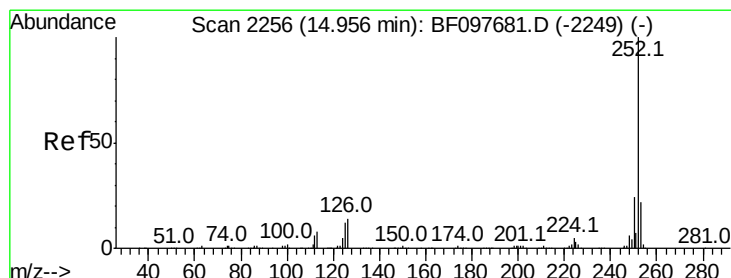
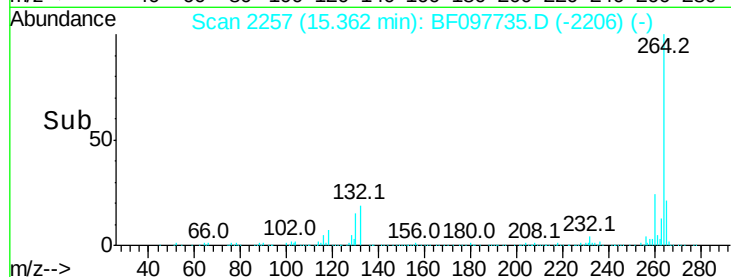
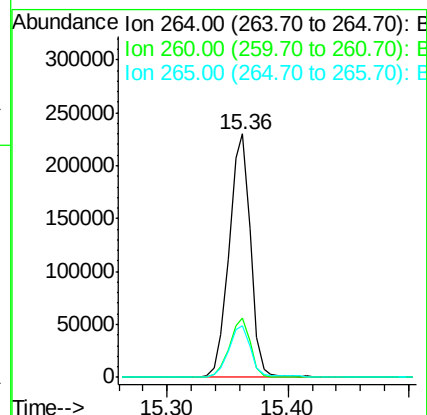
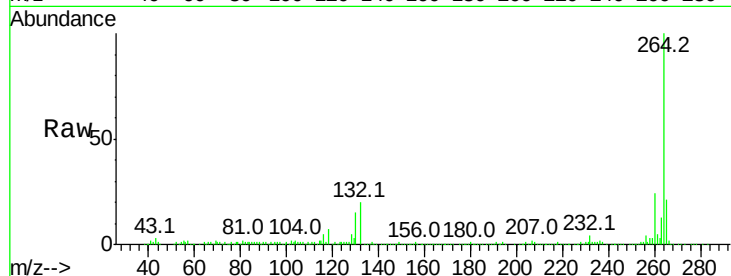




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

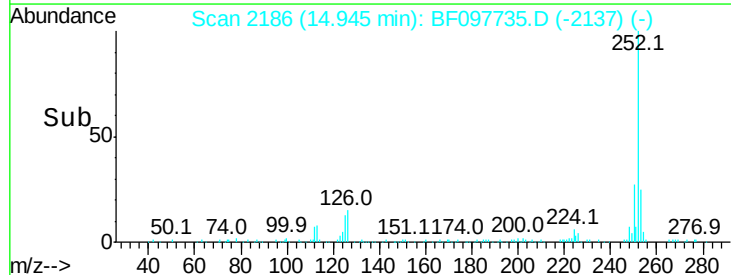
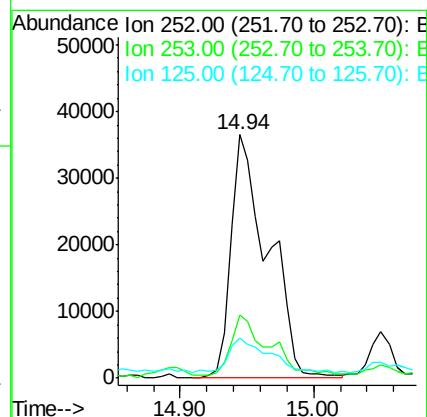
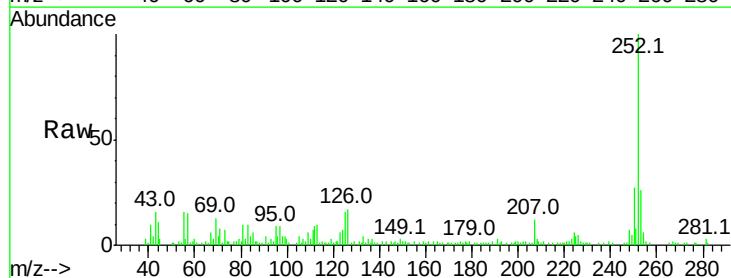
Instrument :
BNA_F
ClientSampleId :
SA-06-081117-ARE

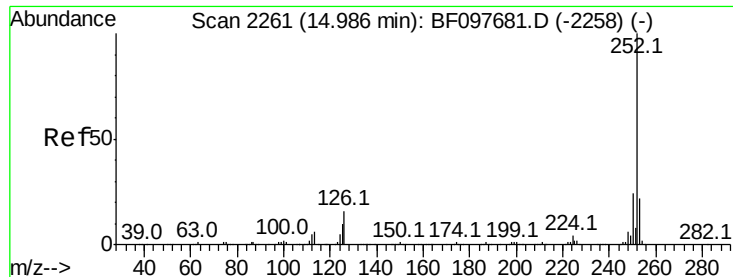
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.983 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.1	27.1
125	16.3	9.8	14.8#

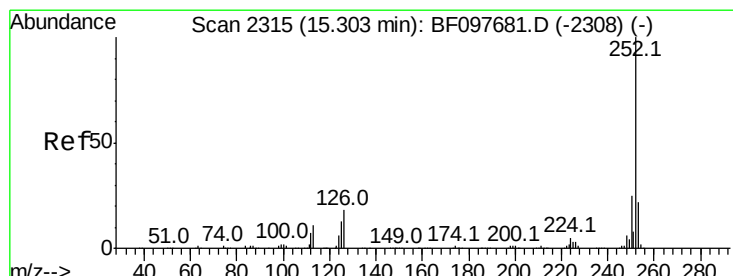
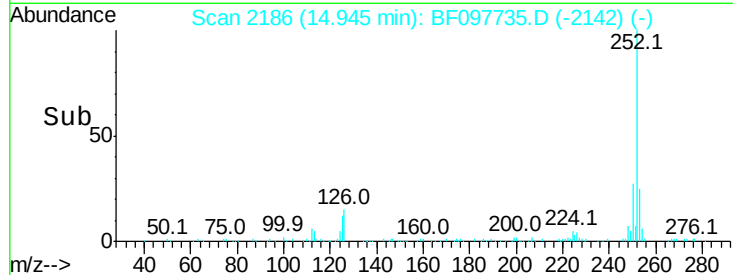
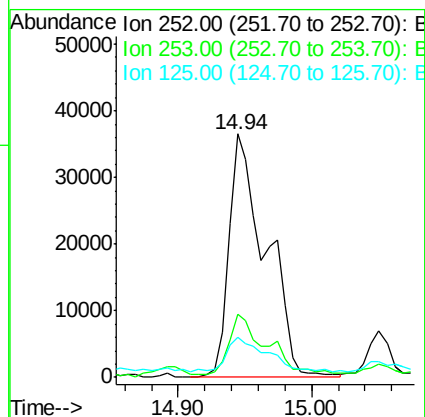
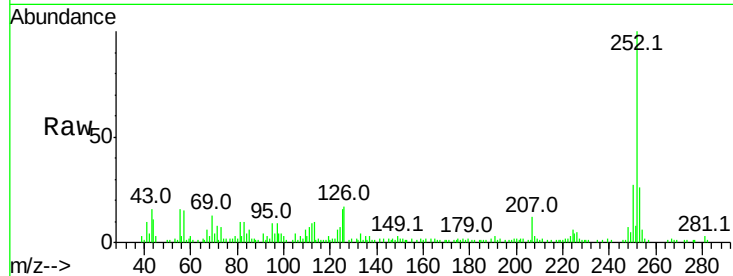




#88
Benzo(k)fluoranthene
Concen: 4.239 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

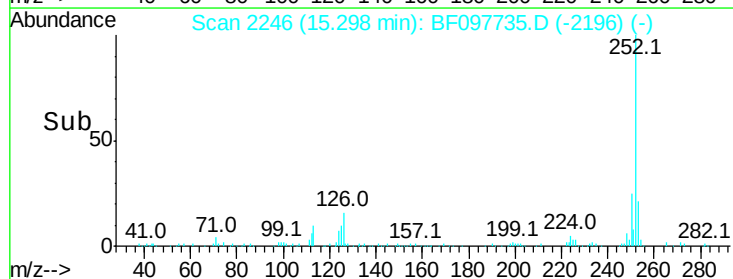
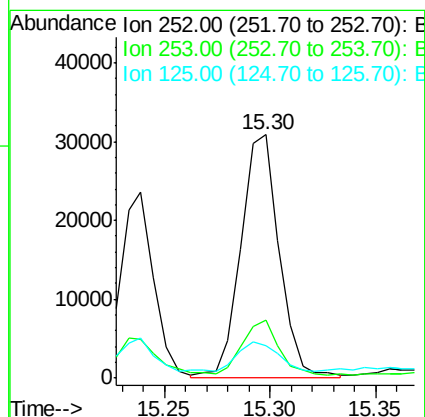
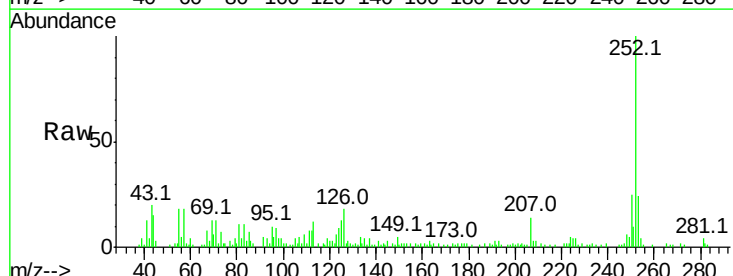
Instrument :
BNA_F
ClientSampleId :
SA-06-081117-ARE

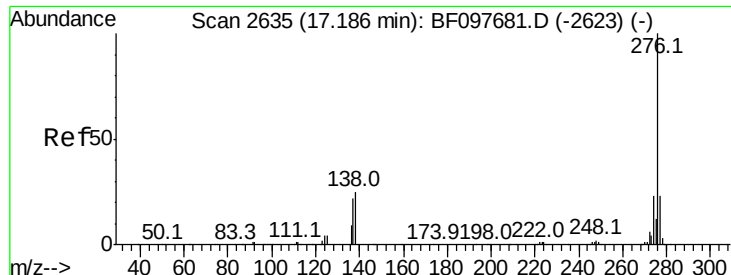
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.4	27.6
125	16.3	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.482 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	13.4	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 2.090 ng

RT: 17.16 min Scan# 2563

Delta R.T. -0.02 min

Lab File: BF097735.D

Acq: 16 Aug 2017 13:30

Instrument :

BNA_F

ClientSampleId :

SA-06-081117-ARE

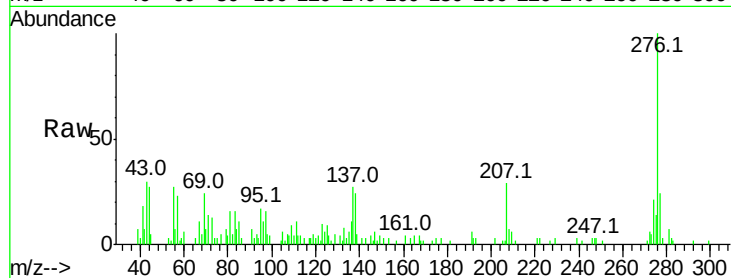
Tot Ion:276 Resp: 27879

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 24.4 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

