

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097100.D
 Acq On : 27 Jul 2017 2:47
 Operator : SJ/JU
 Sample : I4391-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-072117-A

Manual Integrations
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 7/27/2017 12:31:33 PM

Quant Time: Jul 27 09:24:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	97258	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	393300	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	153043	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	231566	20.00	ng	0.00
75) Chrysene-d12	13.63	240	193933	20.00	ng	0.00
86) Perylene-d12	14.97	264	133339	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	645633	100.07	ng	0.00
7) Phenol-d6	6.16	99	749114	101.71	ng	-0.01
23) Nitrobenzene-d5	7.06	82	418043	62.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	112430	92.98	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	746505	82.78	ng	-0.01
78) Terphenyl-d14	12.59	244	477115	50.16	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.26	163	58954	5.073	ng	98
70) Phenanthrene	11.02	178	62715	5.055	ng	96
74) Fluoranthene	12.20	202	110958	9.129	ng	93
77) Pyrene	12.43	202	99210	6.249	ng	99
80) Benzo(a)anthracene	13.62	228	37938	3.023	ng	98
82) Chrysene	13.65	228	41432	3.381	ng	95
87) Benzo(b)fluoranthene	14.62	252	44114m	5.504	ng	
89) Benzo(a)pyrene	14.93	252	27171	3.704	ng	# 92
91) Benzo(g,h,i)perylene	16.57	276	20574	3.261	ng	92

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

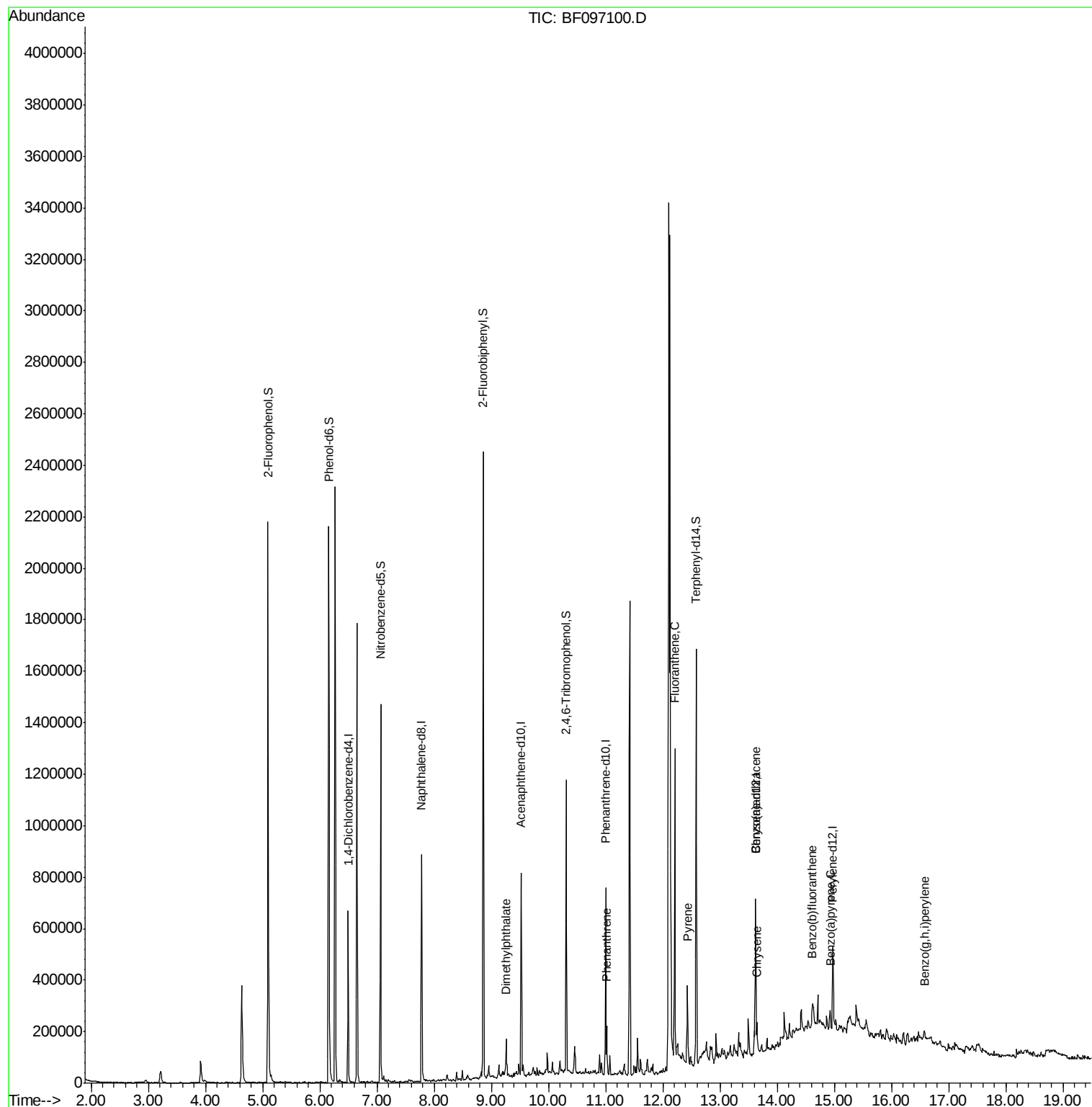
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
Data File : BF097100.D
Acq On : 27 Jul 2017 2:47
Operator : SJ/JU
Sample : I4391-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

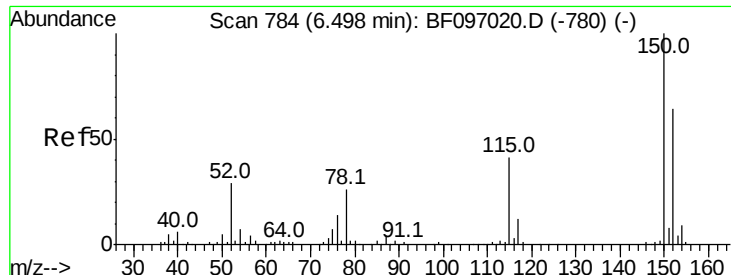
Instrument :
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ClientSampleId :
BU-02-072117-A

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#1

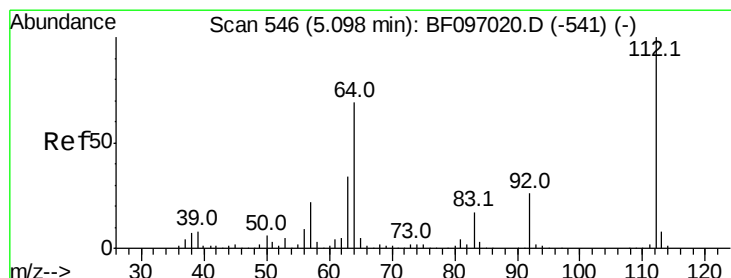
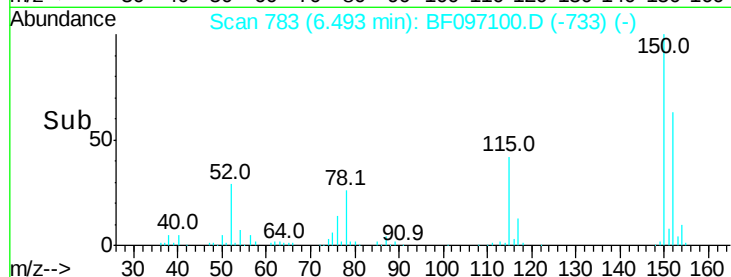
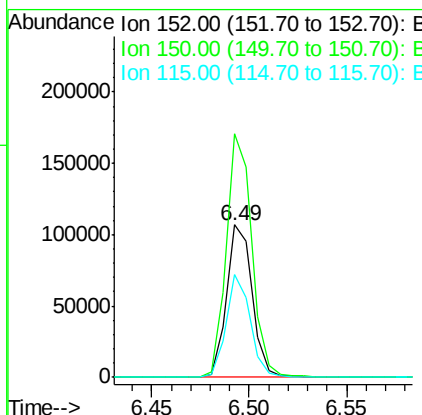
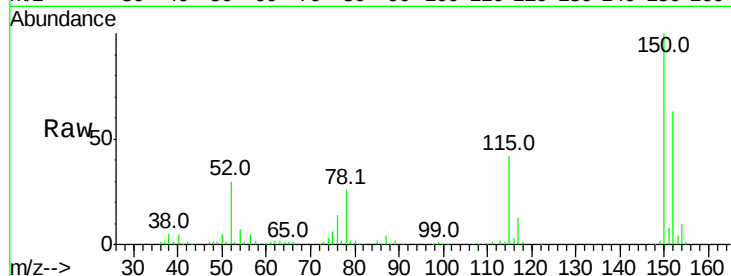
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Instrument :
BNA_F
ClientSampleId :
BU-02-072117-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	126.2	189.2
115	67.0	52.2	78.2

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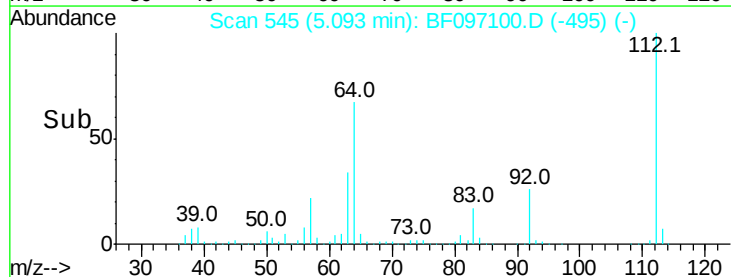
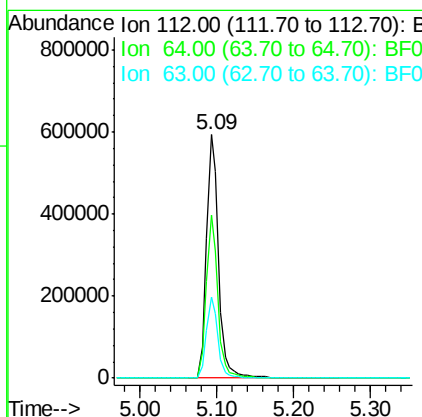
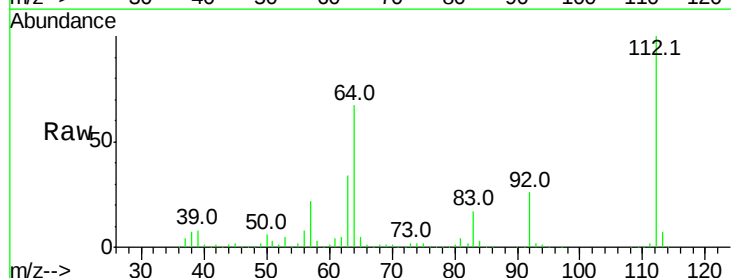
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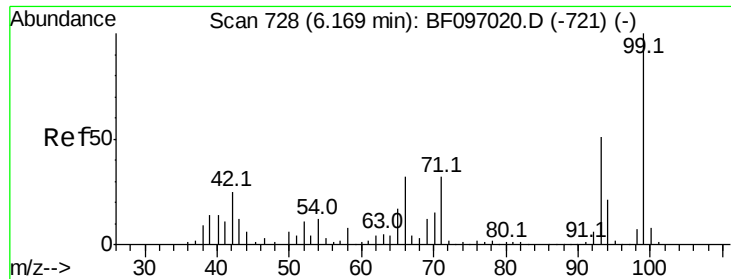


#5

2-Fluorophenol
Concen: 100.072 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	46.0	69.0
63	33.5	23.4	35.0





#7

Phenol-d6

Concen: 101.708 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Instrument :

BNA_F

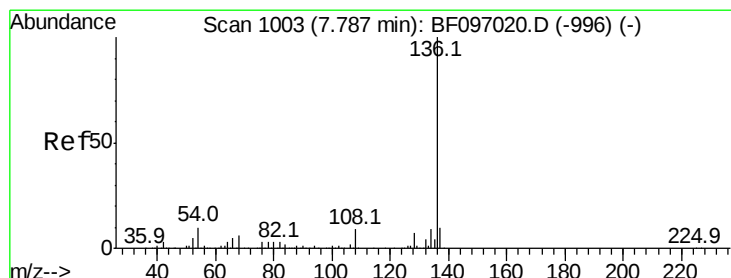
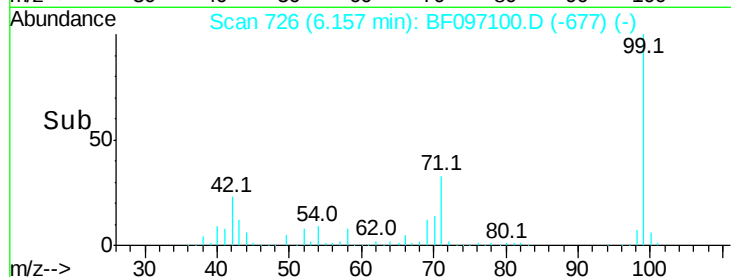
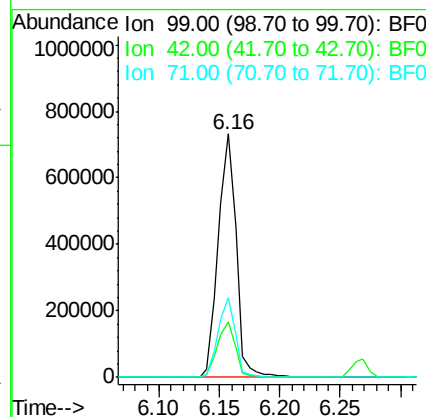
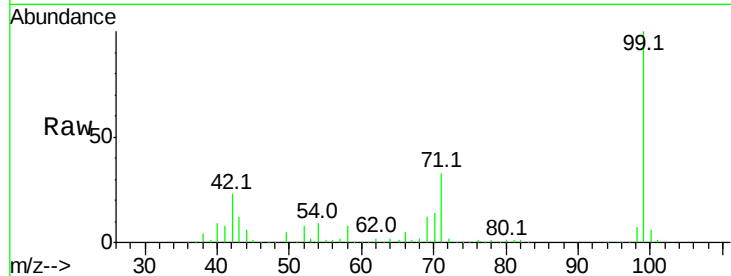
ClientSampleId :

BU-02-072117-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		749114		
42	23.0	13.5	20.3#		
71	33.0	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

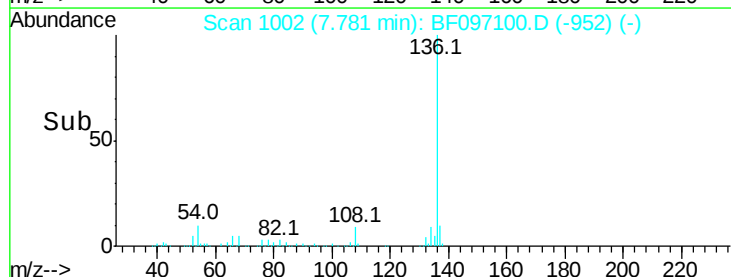
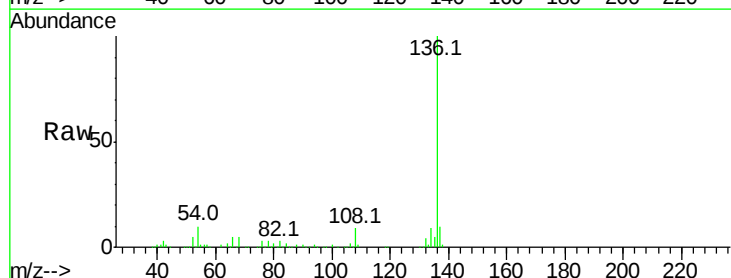
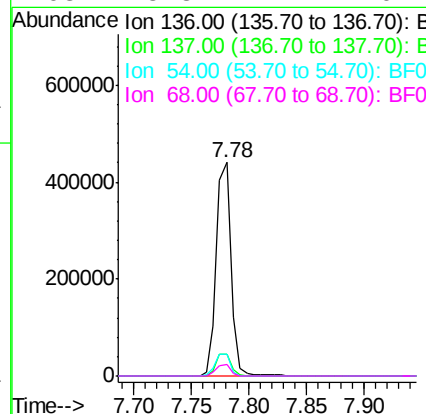
RT: 7.78 min Scan# 1002

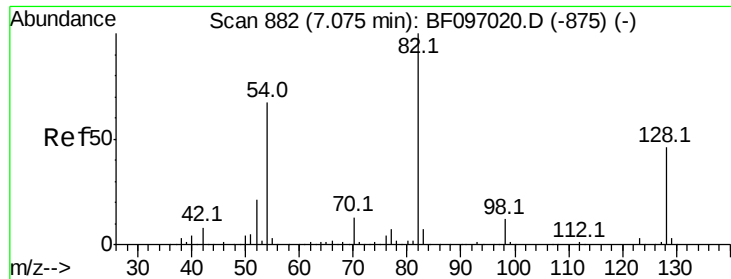
Delta R.T. -0.01 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		393300		
137	10.3	8.5	12.7		
54	10.0	4.9	7.3#		
68	5.3	4.1	6.1		





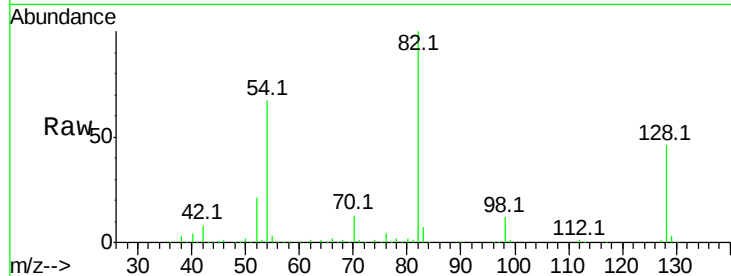
#23
Nitrobenzene-d5
Concen: 62.355 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Instrument :
BNA_F
ClientSampleId :
BU-02-072117-A

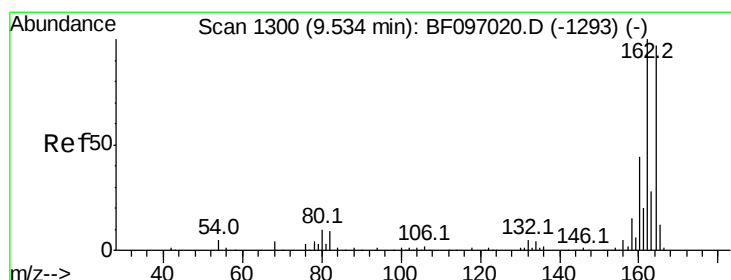
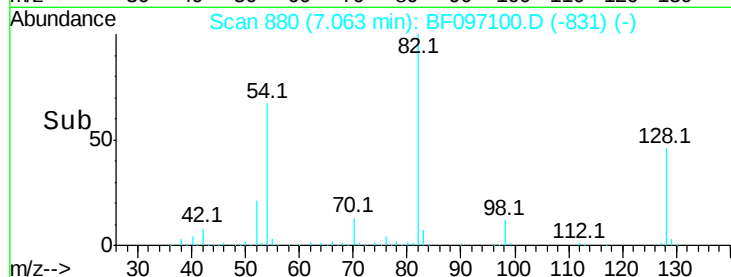
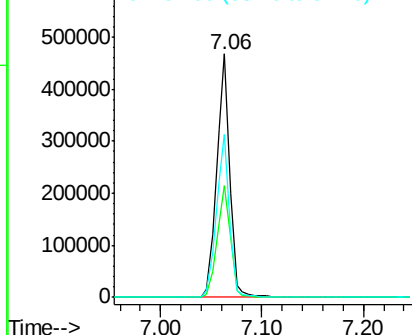
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.0	51.0
54	66.8	42.2	63.2

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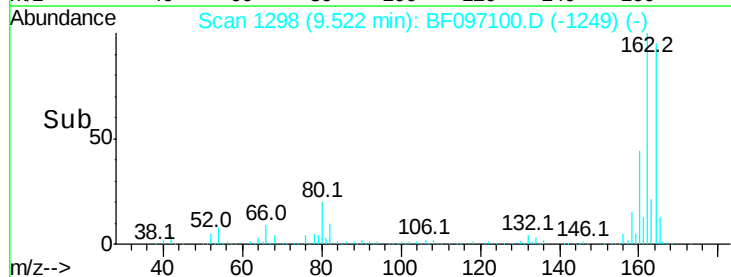
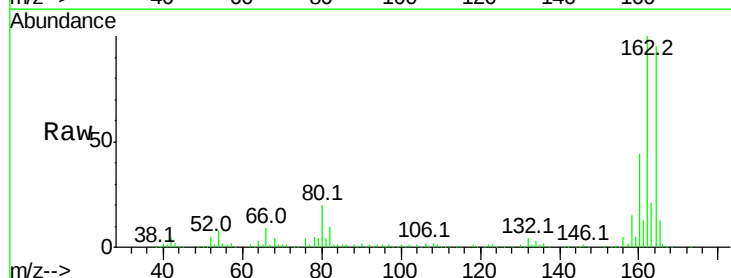
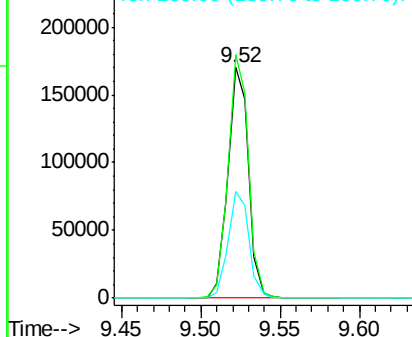
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	82.6	123.8
160	46.4	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





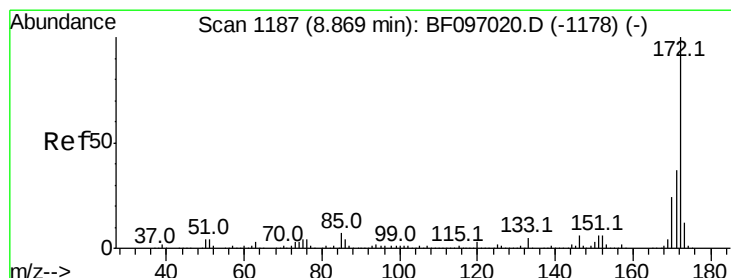
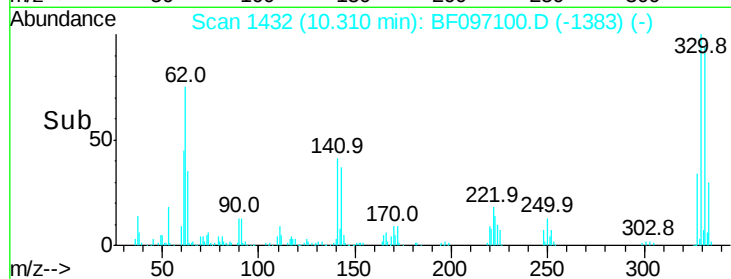
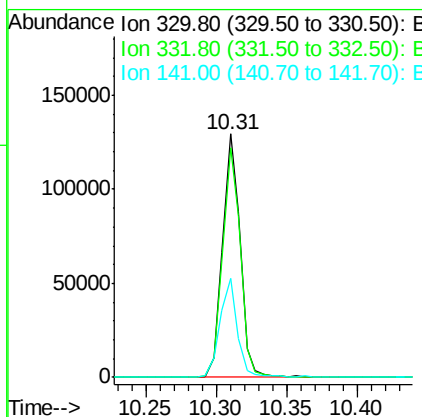
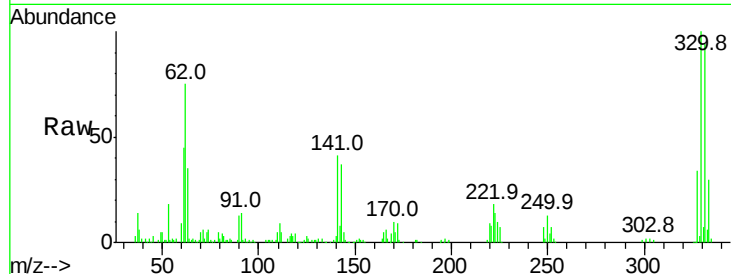
#41
 2,4,6-Tribromophenol
 Concen: 92.980 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097100.D
 Acq: 27 Jul 2017 2:47

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-072117-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	76.6	115.0	
141	41.0	31.4	47.2	

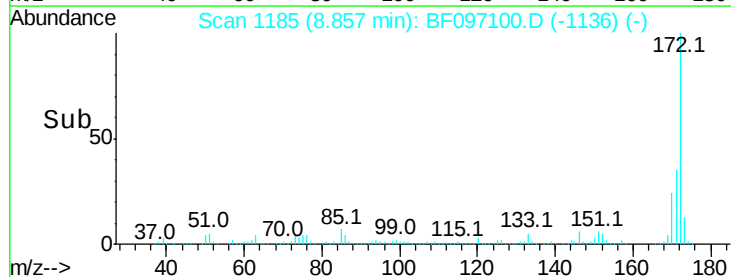
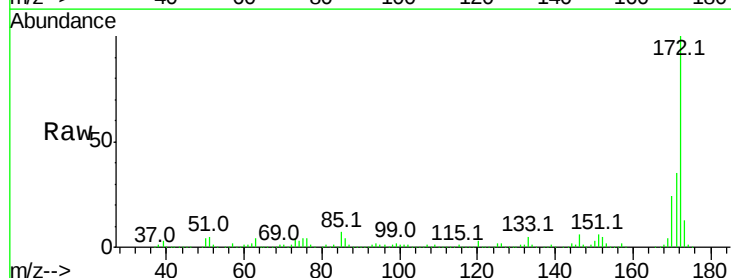
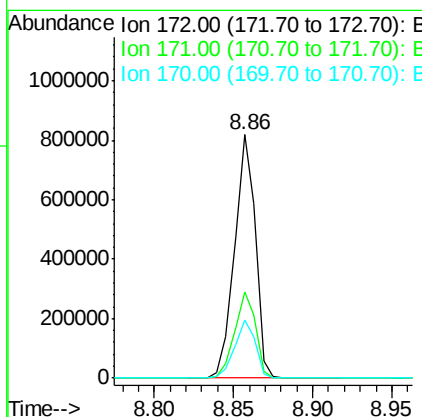
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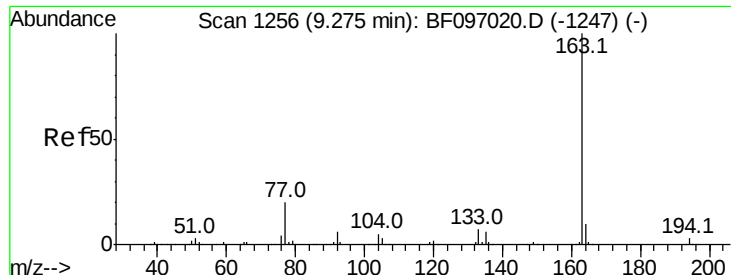
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#44
 2-Fluorobiphenyl
 Concen: 82.780 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097100.D
 Acq: 27 Jul 2017 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	29.6	44.4	
170	23.6	19.8	29.8	





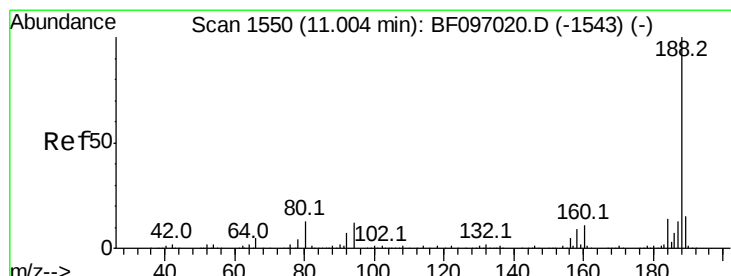
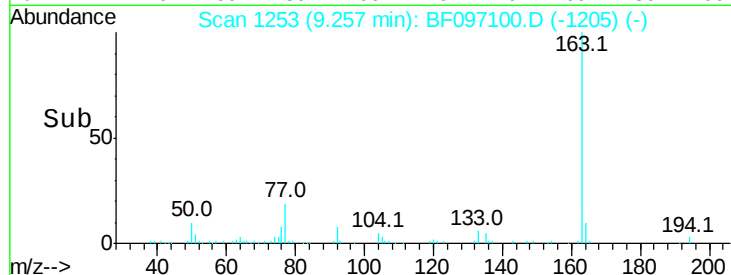
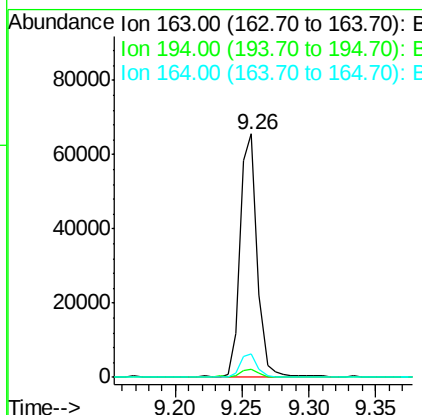
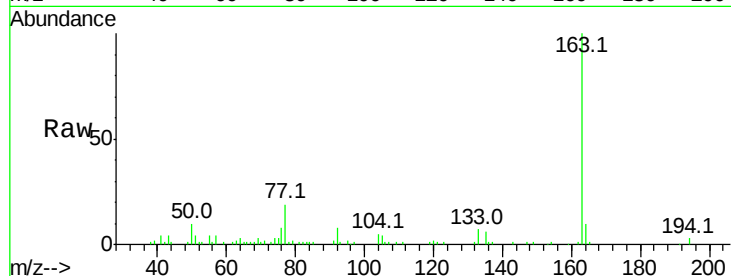
#49
Dimethylphthalate
Concen: 5.073 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.6	4.0	
164	9.7	8.4	12.6	

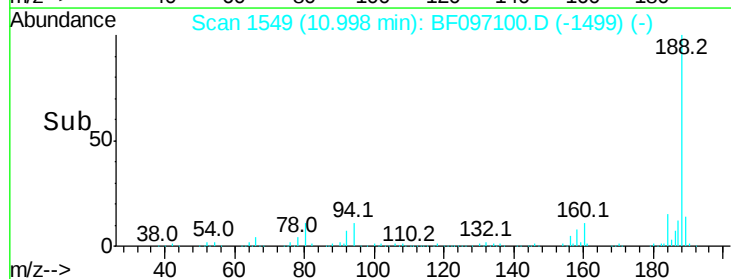
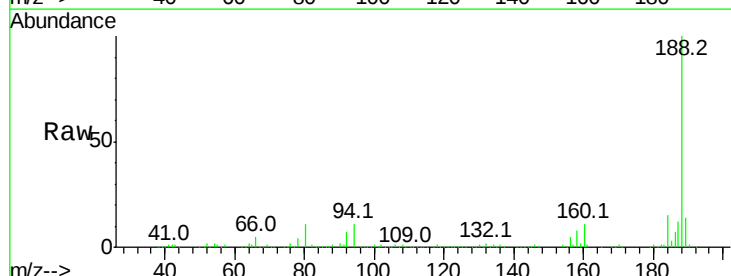
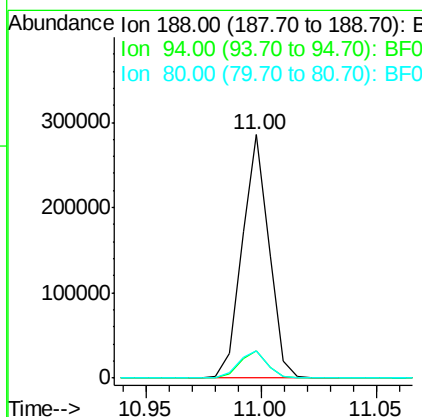
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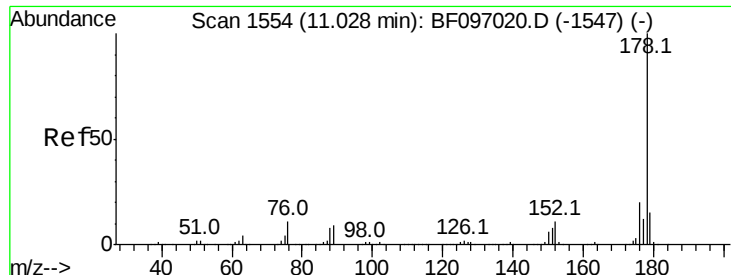
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.5	9.4	14.2	
80	11.2	10.2	15.2	





#70

Phenanthrene

Concen: 5.055 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Instrument :

BNA_F

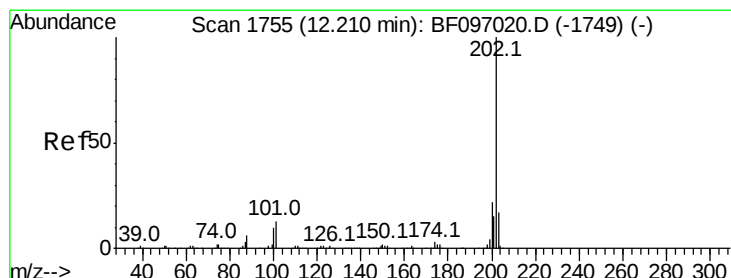
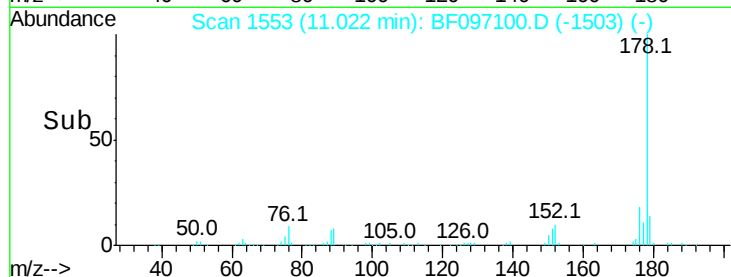
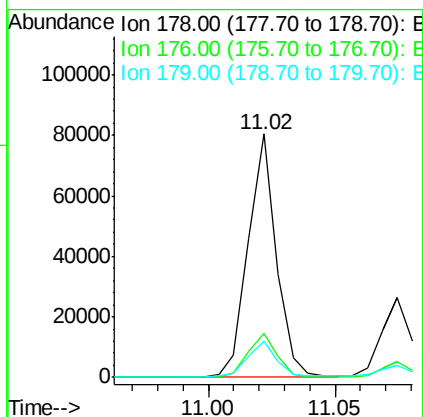
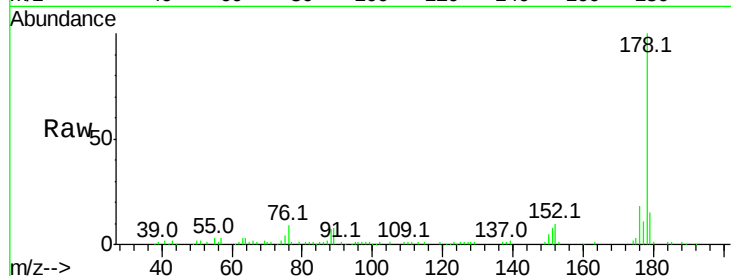
ClientSampled :

BU-02-072117-A

Tot Ion:	178	Resp:	62715
Ion Ratio	Lower	Upper	
178	100		
176	18.0	16.2	24.4
179	14.7	12.6	19.0

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#74

Fluoranthene

Concen: 9.129 ng

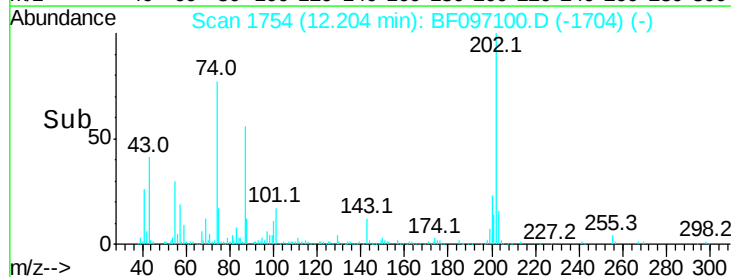
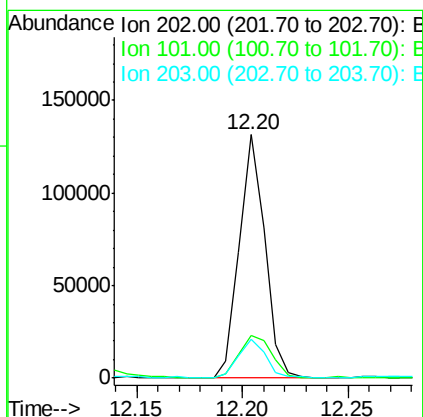
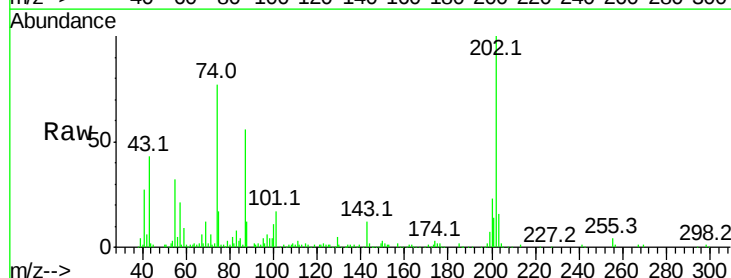
RT: 12.20 min Scan# 1754

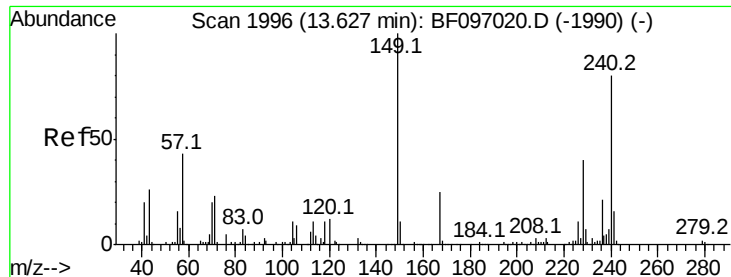
Delta R.T. -0.01 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Tgt Ion:	202	Resp:	110958
Ion Ratio	Lower	Upper	
202	100		
101	17.5	0.0	33.2
203	15.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.63 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Instrument :

BNA_F

ClientSampleId :

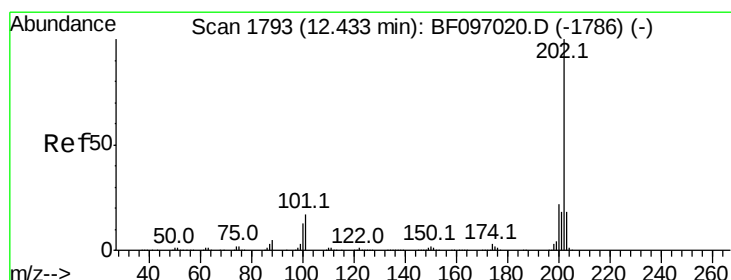
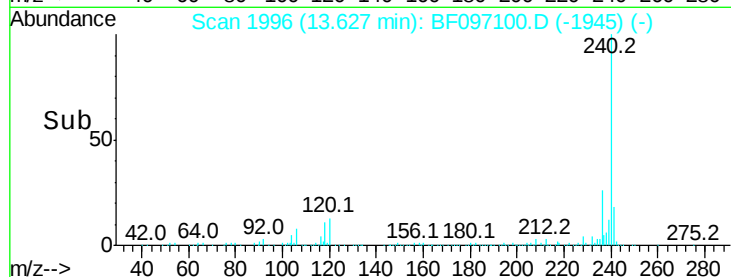
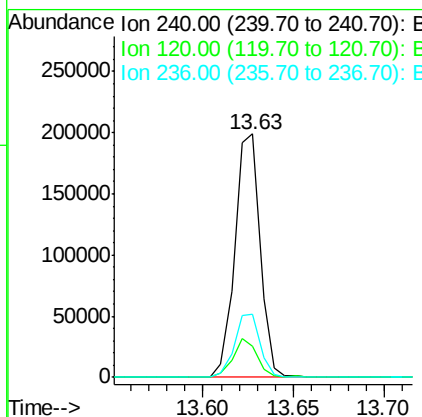
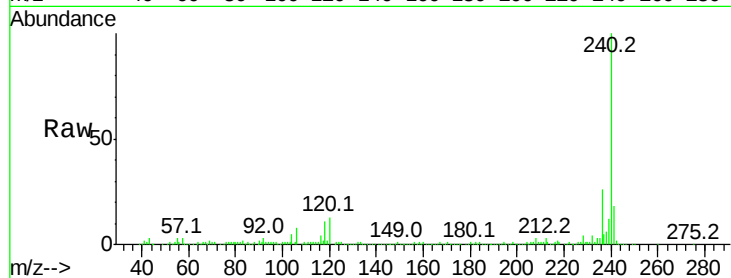
BU-02-072117-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	5.8	8.8#
236	26.0	20.5	30.7

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#77

Pyrene

Concen: 6.249 ng

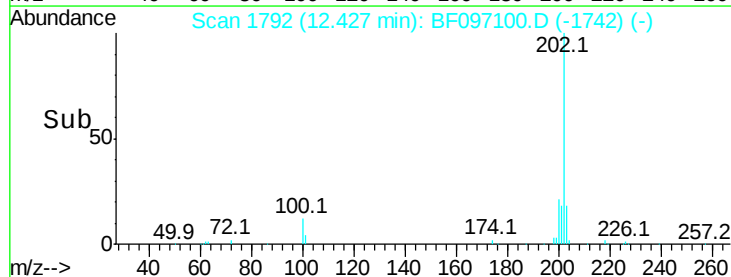
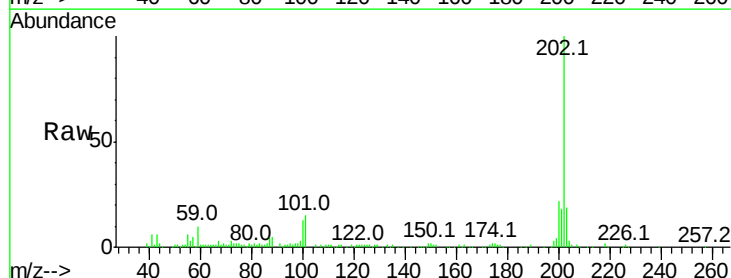
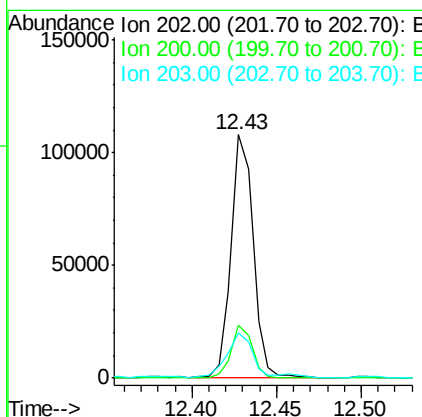
RT: 12.43 min Scan# 1792

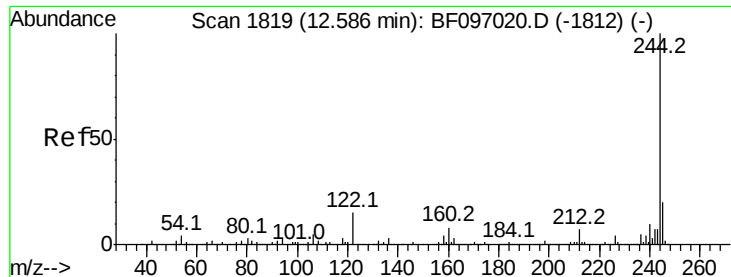
Delta R.T. -0.01 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	18.5	14.4	21.6





#78

Terphenyl-d14

Concen: 50.160 ng

RT: 12.59 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Instrument :

BNA_F

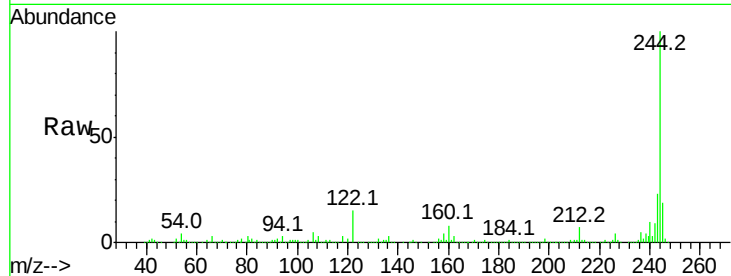
ClientSampleId :

BU-02-072117-A

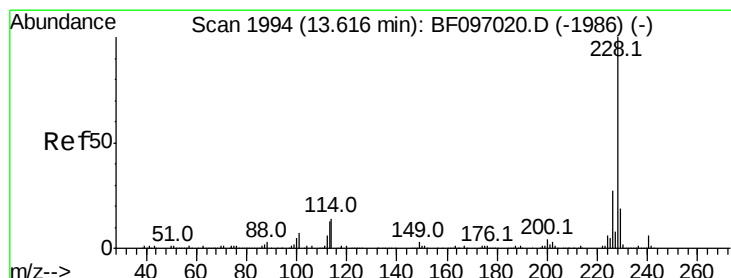
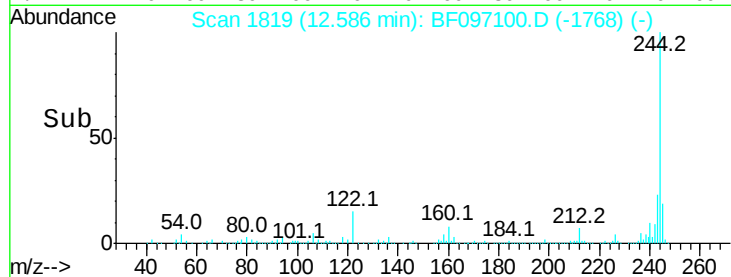
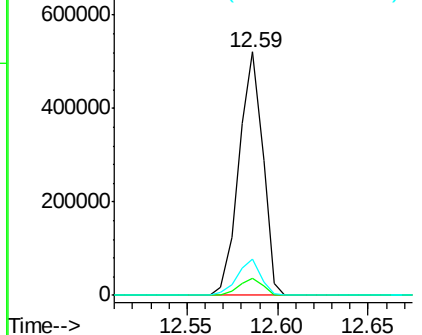
Tot Ion:	244	Resp:	477115
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	15.1	10.3	15.5

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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: 3.023 ng

RT: 13.62 min Scan# 1994

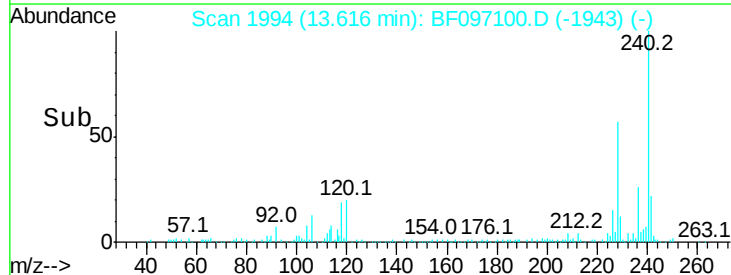
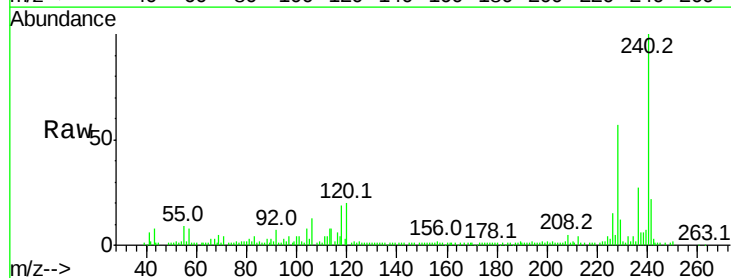
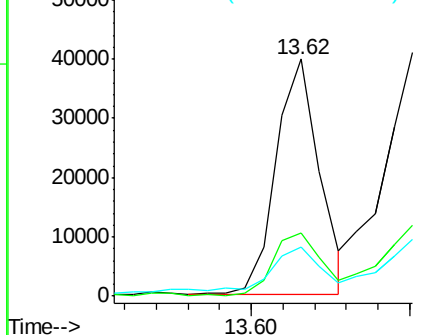
Delta R.T. 0.00 min

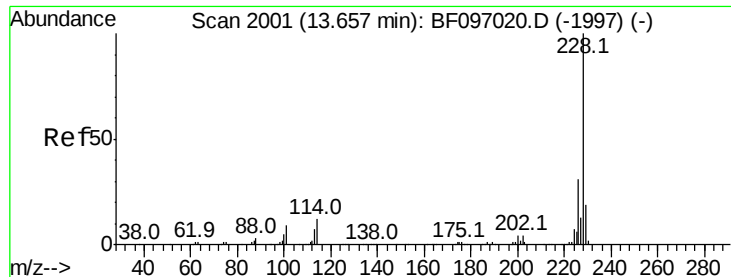
Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Tgt Ion:	228	Resp:	37938
Ion Ratio	Lower	Upper	
228	100		
226	26.9	22.6	33.8
229	20.5	16.3	24.5

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





#82

Chrysene

Concen: 3.381 ng

RT: 13.65 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Instrument :

BNA_F

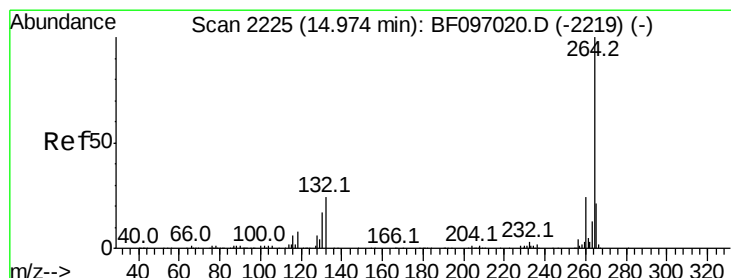
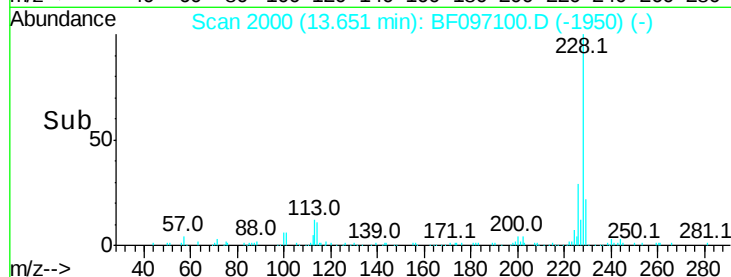
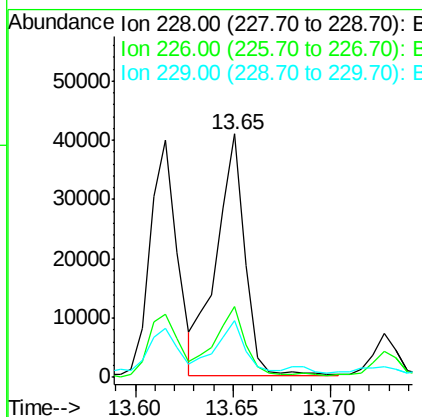
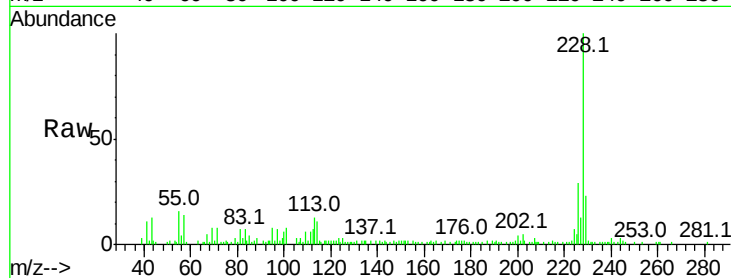
ClientSampleId :

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Tot Ion:	228	Resp:	41432
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.9	37.3
229	23.4	15.8	23.6

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#86

Perylene-d12

Concen: 20.000 ng

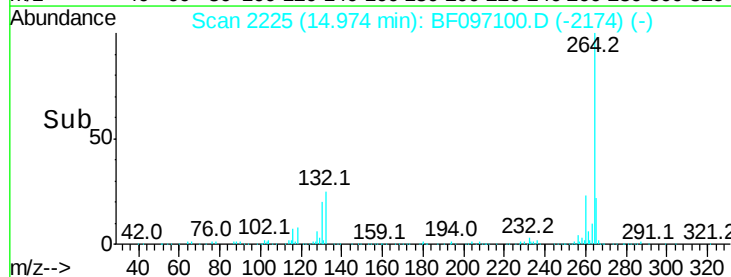
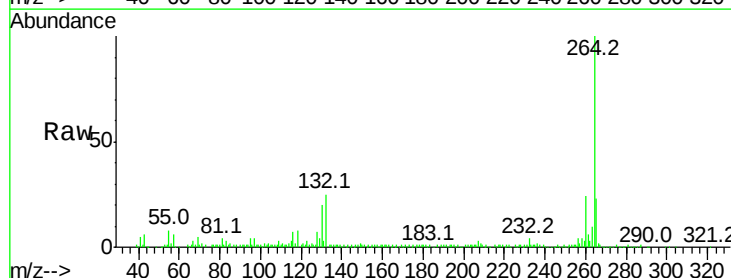
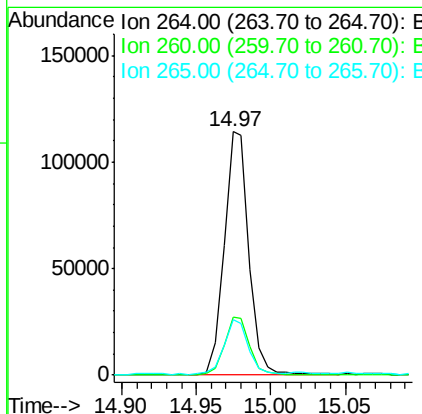
RT: 14.97 min Scan# 2225

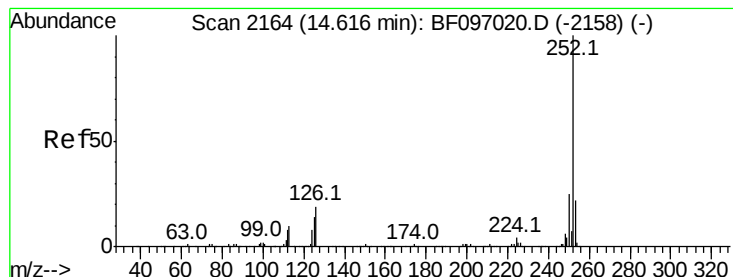
Delta R.T. 0.00 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Tgt Ion:	264	Resp:	133339
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.5	29.3
265	22.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 5.504 ng

RT: 14.62 min Scan# 2164

Delta R.T. 0.00 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Instrument :

BNA_F

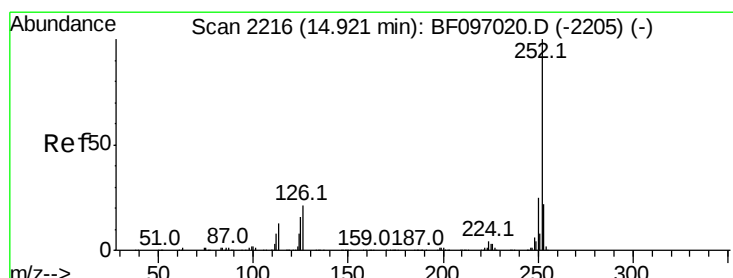
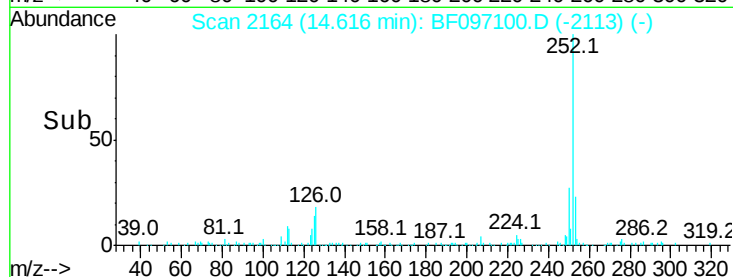
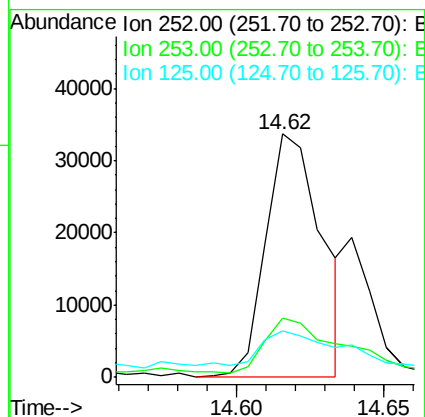
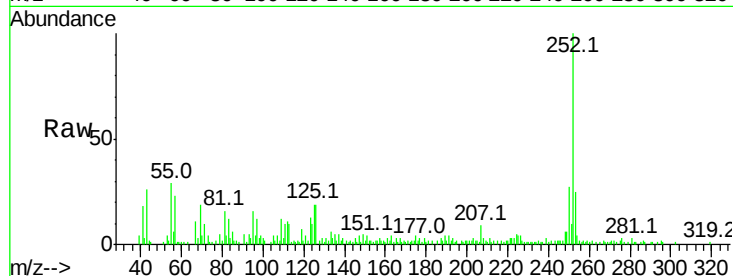
ClientSampleId :

BU-02-072117-A

Tot Ion:	252	Resp:	44114
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.1	27.1
125	19.1	9.8	14.8#

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#89

Benzo(a)pyrene

Concen: 3.704 ng

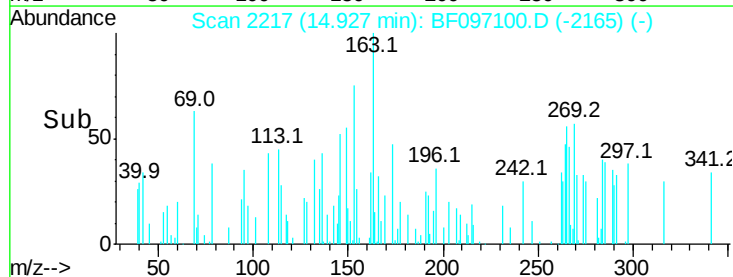
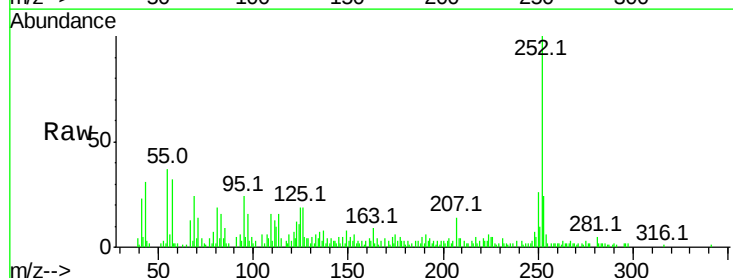
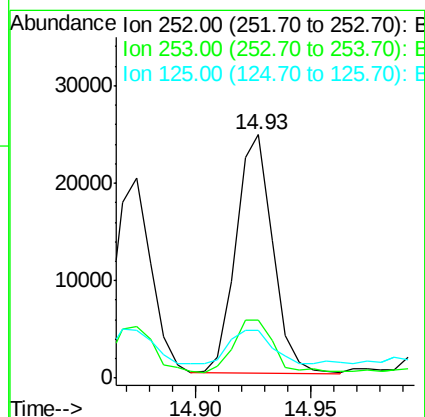
RT: 14.93 min Scan# 2217

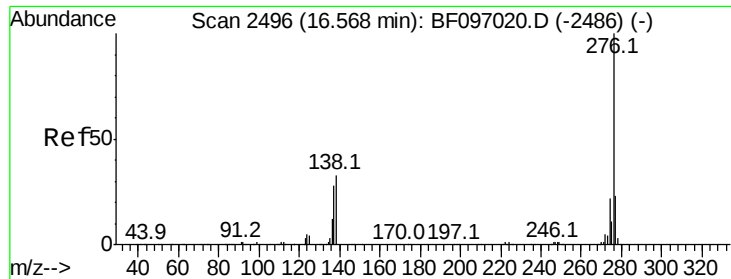
Delta R.T. 0.01 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Tgt Ion:	252	Resp:	27171
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.5	26.3
125	19.4	11.0	16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 3.261 ng
 RT: 16.57 min Scan# 2497
 Delta R.T. 0.01 min
 Lab File: BF097100.D
 Acq: 27 Jul 2017 2:47

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-072117-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	18.6	28.0
138	36.1	25.4	38.0

Manual Integrations
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