

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099792.D
 Acq On : 24 Oct 2017 17:07
 Operator : SJ/JU
 Sample : I6019-01 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Manual Integrations
 APPROVED

Sohil
 10/25/2017 6:25:24 PM

Quant Time: Oct 25 07:52:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	87081	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	341940	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	162381	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	256714	20.00	ng	0.00
75) Chrysene-d12	13.98	240	155644	20.00	ng	0.00
86) Perylene-d12	15.45	264	159144	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	39014	7.03	ng	0.01
7) Phenol-d6	6.45	99	52790	8.03	ng	0.00
23) Nitrobenzene-d5	7.37	82	28488	5.36	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	10006	6.76	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	67224	6.39	ng	0.00
78) Terphenyl-d14	12.91	244	43456	6.10	ng	0.00
Target Compounds						
31) Naphthalene	8.11	128	470375	28.498	ng	98
37) 2-Methylnaphthalene	8.80	142	373509	33.767	ng	97
57) Fluorene	10.39	166	24230	2.065	ng	# 95
70) Phenanthrene	11.36	178	131969	9.109	ng	99
74) Fluoranthene	12.55	202	102799	6.828	ng	98
77) Pyrene	12.78	202	90484	7.645	ng	98
80) Benzo(a)anthracene	13.97	228	35194	3.567	ng	97
82) Chrysene	14.01	228	30935	3.335	ng	96
87) Benzo(b)fluoranthene	15.03	252	39399m	3.921	ng	
89) Benzo(a)pyrene	15.39	252	26144	2.896	ng	# 82

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

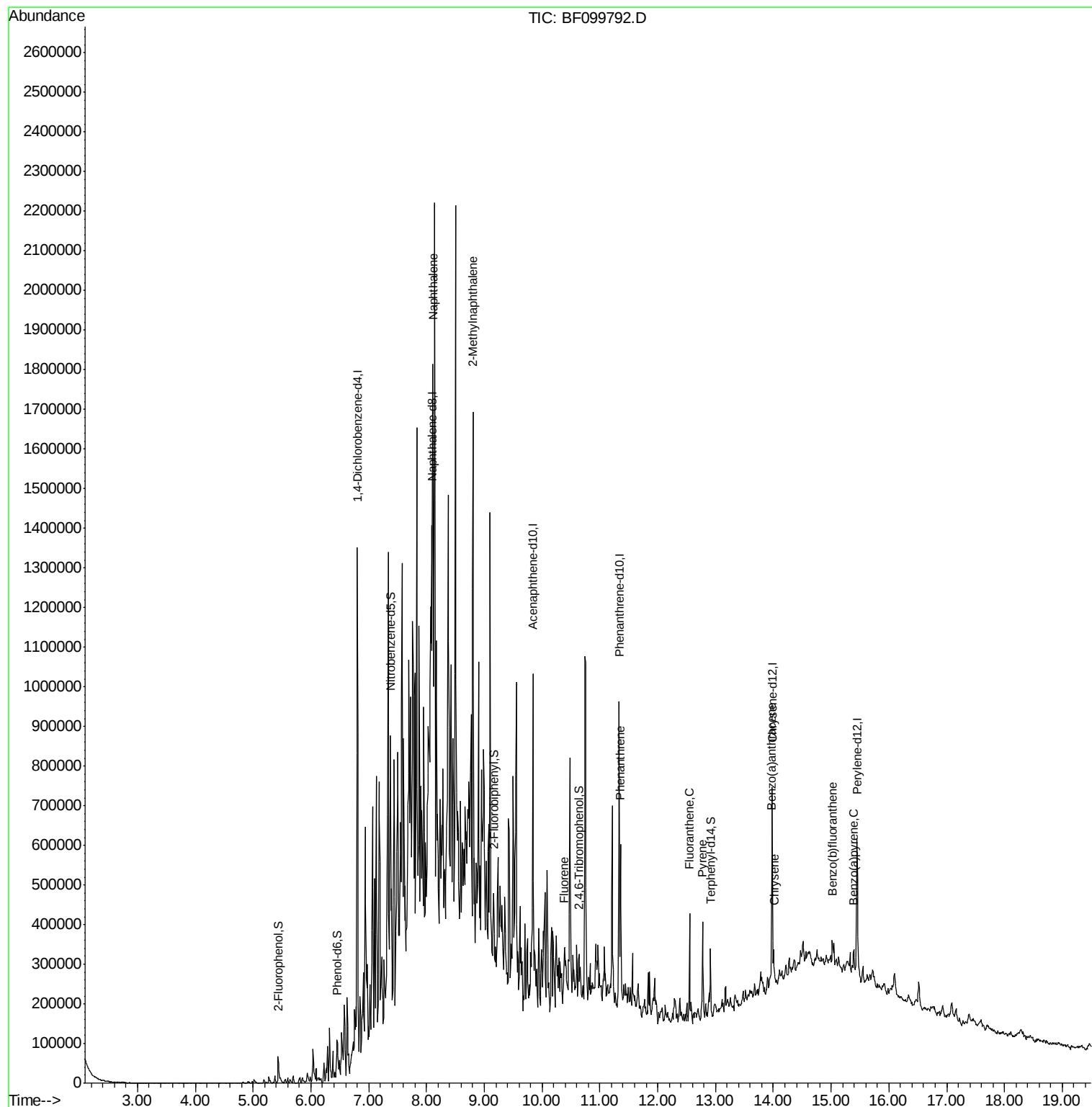
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099792.D
Acq On : 24 Oct 2017 17:07
Operator : SJ/JU
Sample : I6019-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

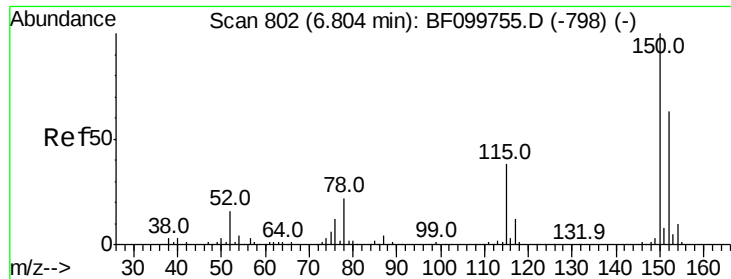
Instrument :
BNA_F
ClientSampleId :
SB-01

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Response via : Initial Calibration





#1

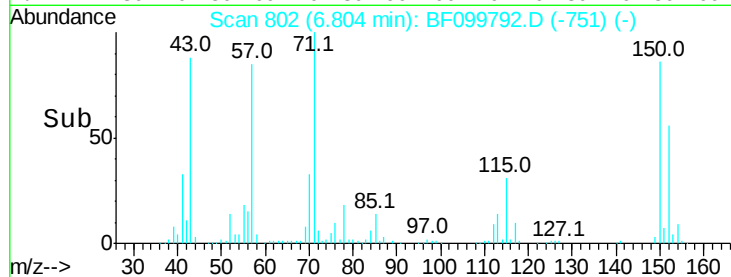
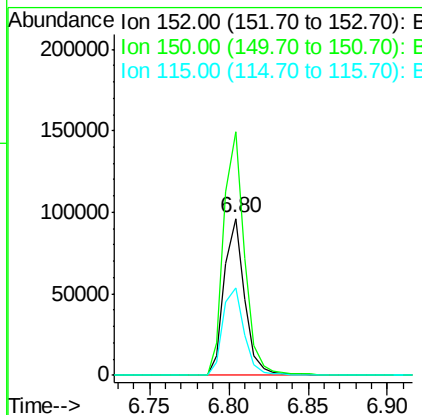
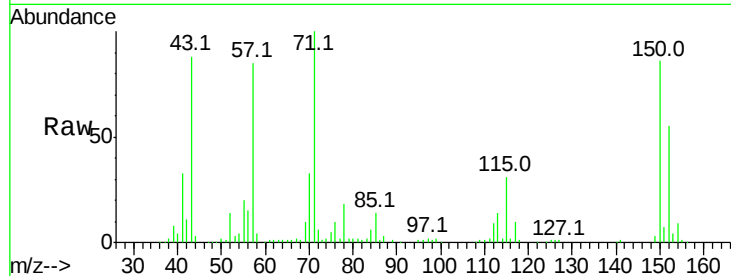
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Instrument :
BNA_F
ClientSampleId :
SB-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	55.9	50.1	75.1

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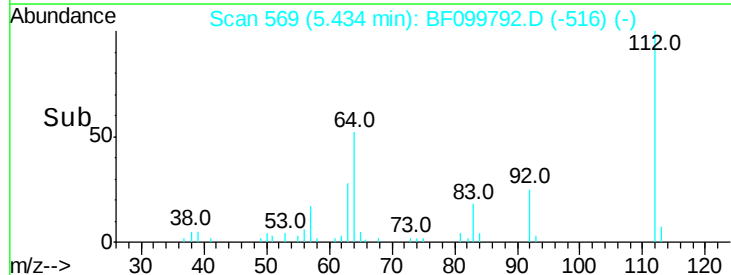
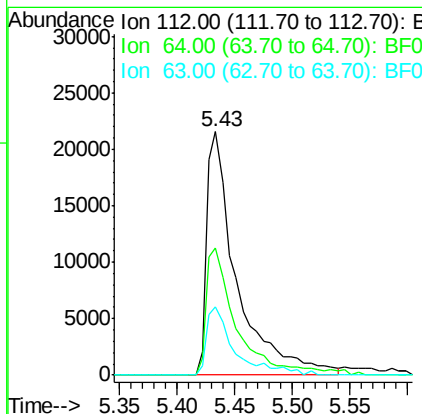
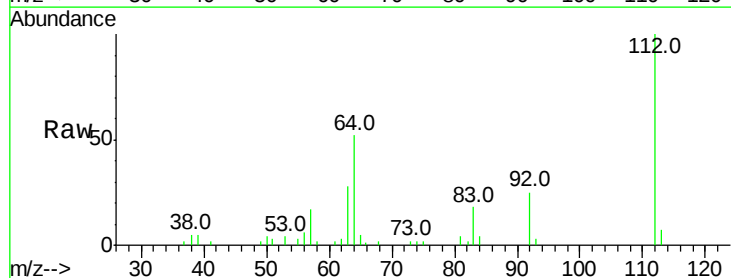
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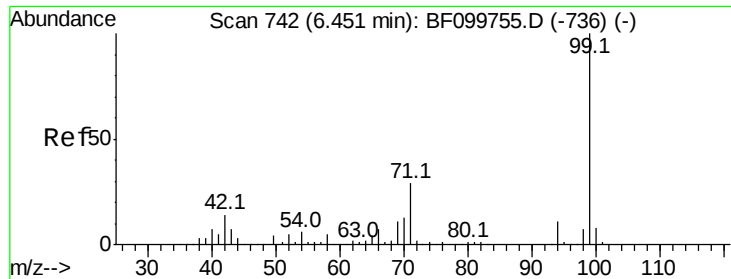


#5

2-Fluorophenol
Concen: 7.034 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	47.9	71.9
63	28.1	23.7	35.5





#7

Phenol-d6

Concen: 8.027 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

Instrument :

BNA_F

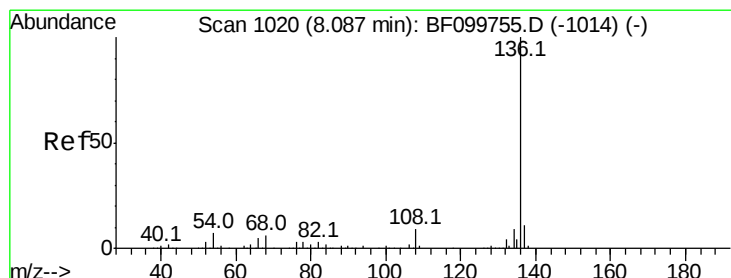
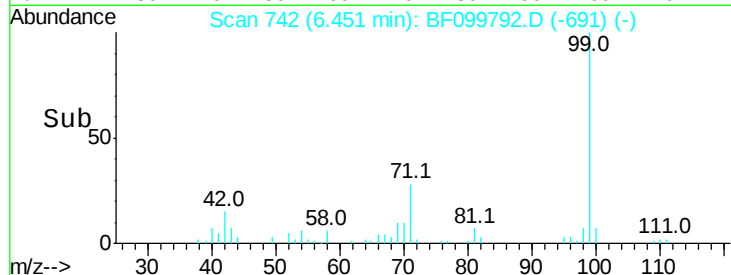
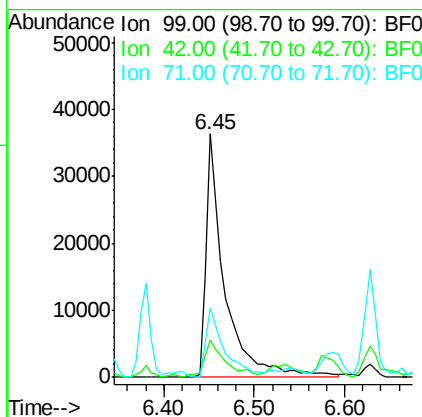
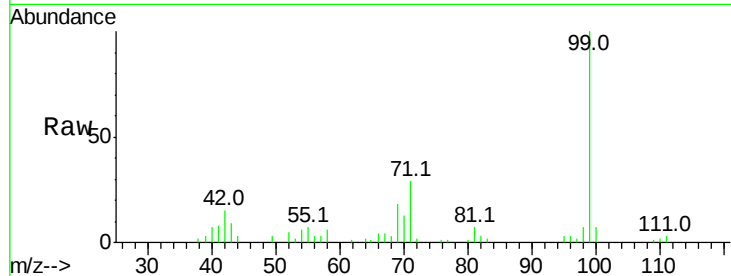
ClientSampled :

SB-01

Tot Ion:	99	Resp:	52790
Ion Ratio	Lower	Upper	
99	100		
42	15.3	14.5	21.7
71	28.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

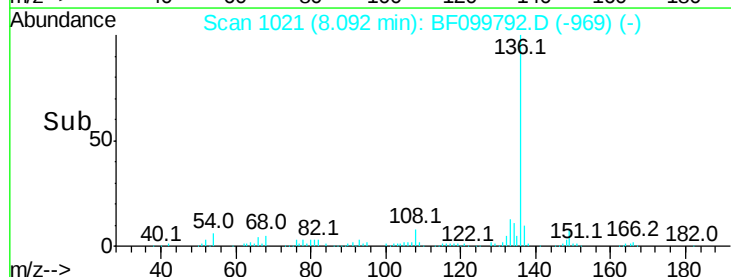
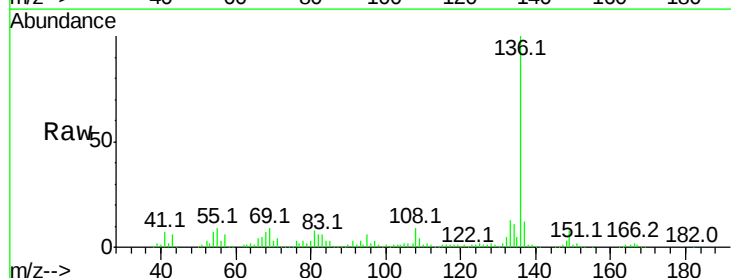
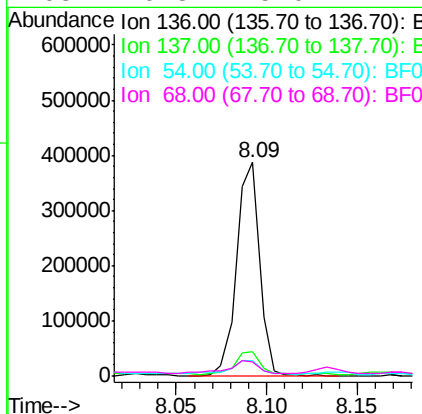
RT: 8.09 min Scan# 1021

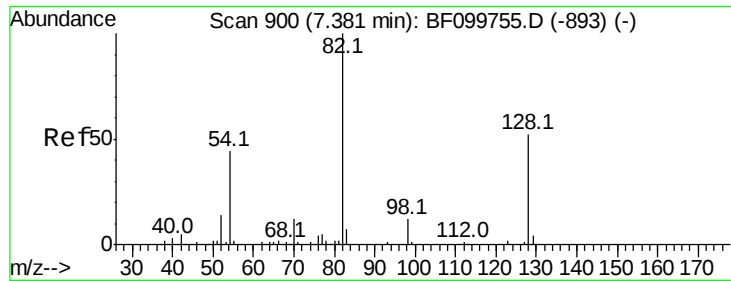
Delta R.T. 0.01 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

Tgt Ion:	136	Resp:	341940
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.9	13.3
54	7.3	6.6	9.8
68	6.8	5.0	7.4





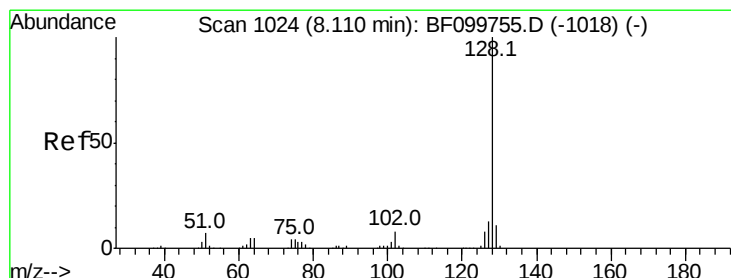
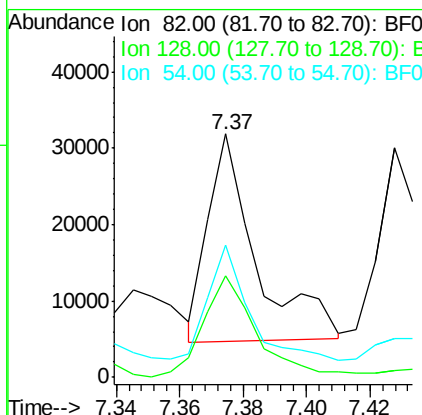
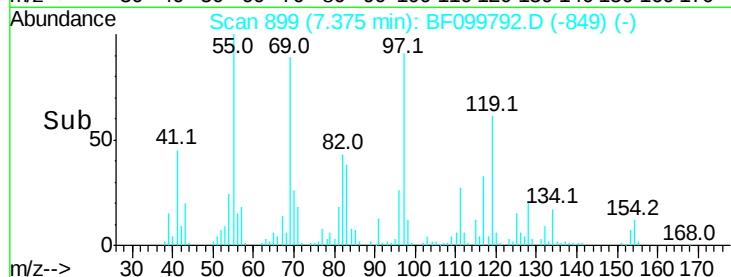
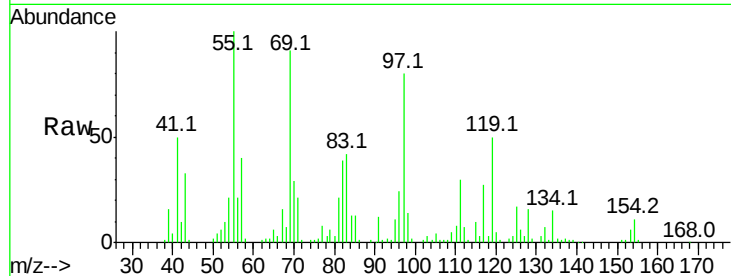
#23
 Nitrobenzene-d5
 Concen: 5.364 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF099792.D
 Acq: 24 Oct 2017 17:07

Instrument :
 BNA_F
 ClientSampled :
 SB-01

Tot Ion	82	Resp	28488
Ion Ratio	100	Lower	Upper
128	41.6	36.1	54.1
54	54.3	41.4	62.2

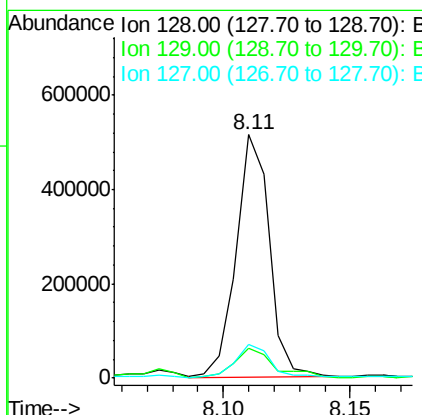
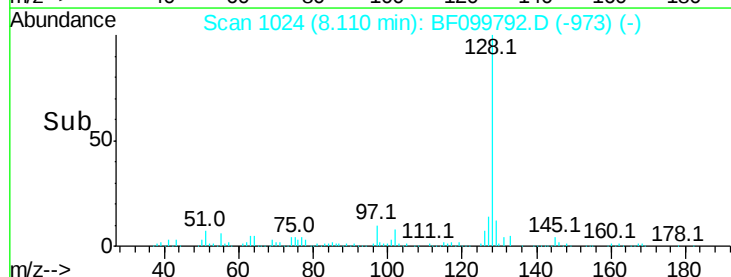
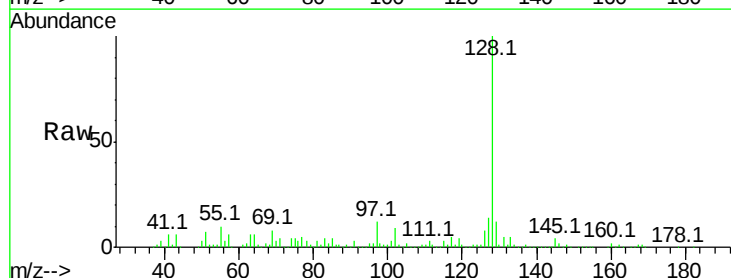
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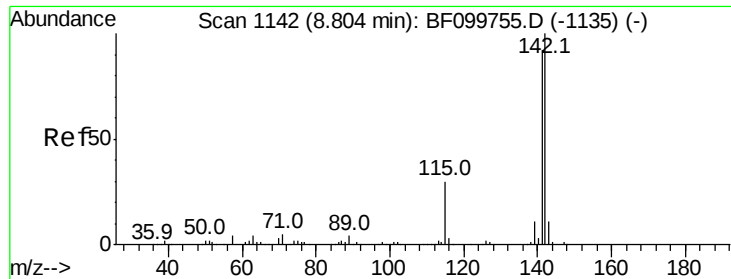
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#31
 Naphthalene
 Concen: 28.498 ng
 RT: 8.11 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BF099792.D
 Acq: 24 Oct 2017 17:07

Tgt Ion	128	Resp	470375
Ion Ratio	100	Lower	Upper
129	12.1	8.8	13.2
127	14.0	10.9	16.3





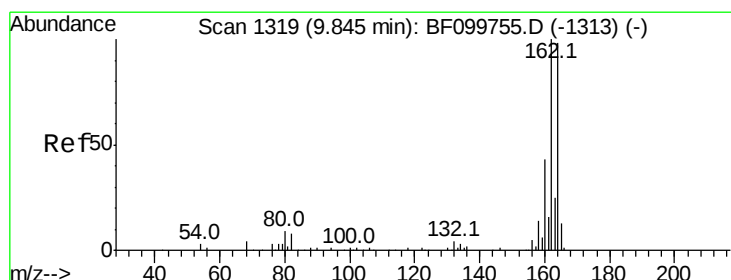
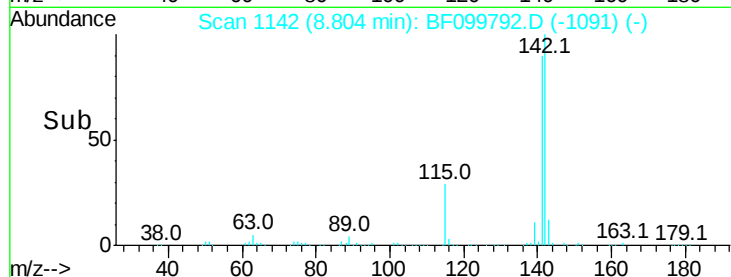
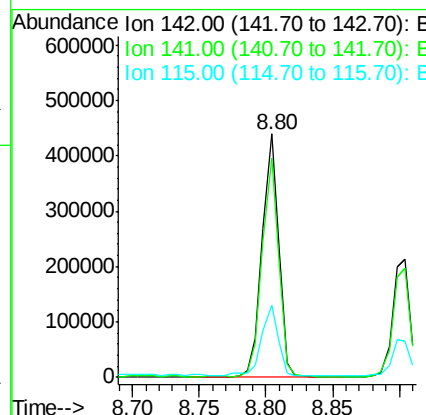
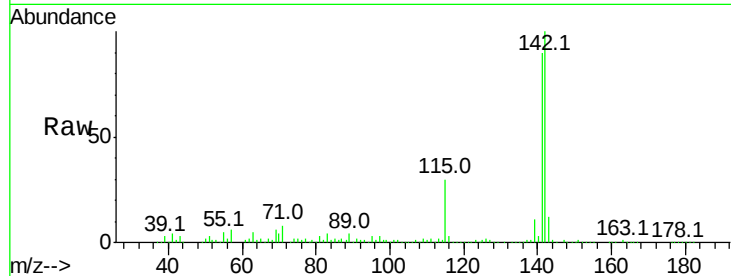
#37
2-Methylnaphthalene
Concen: 33.767 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Instrument :
BNA_F
ClientSampled :
SB-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.8	106.2
115	29.7	26.1	39.1

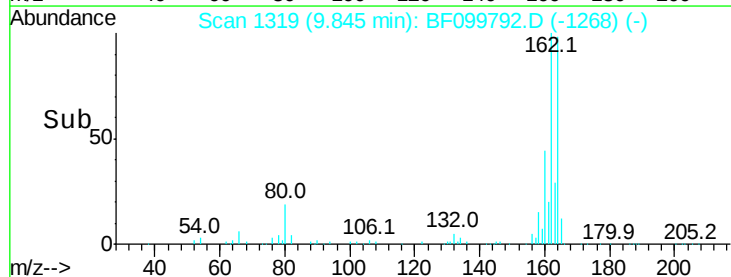
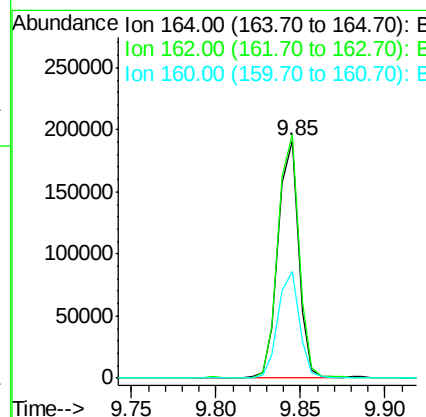
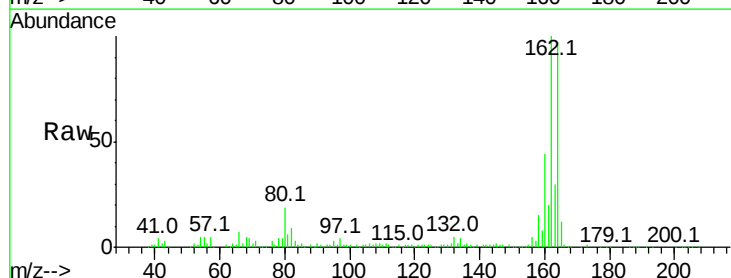
Manual Integrations
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	45.1	38.3	57.5





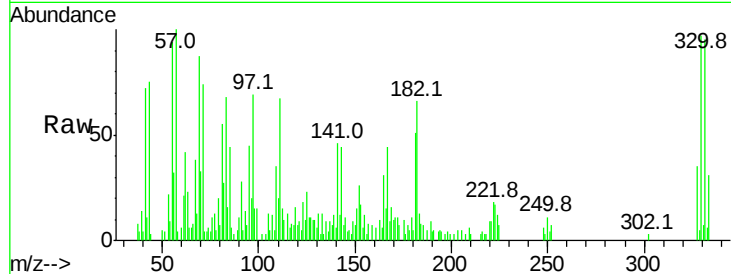
#41
 2,4,6-Tribromophenol
 Concen: 6.762 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF099792.D
 Acq: 24 Oct 2017 17:07

Instrument :
 BNA_F
 ClientSampled :
 SB-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	33.9	29.9	44.9

Manual Integrations
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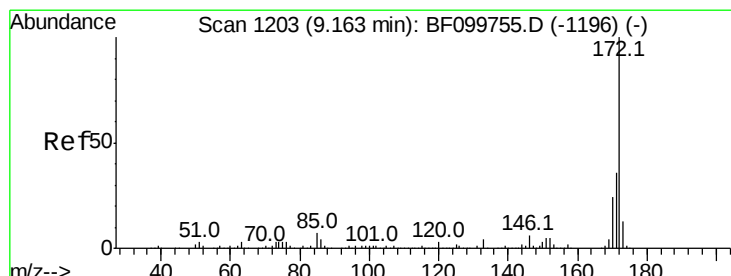
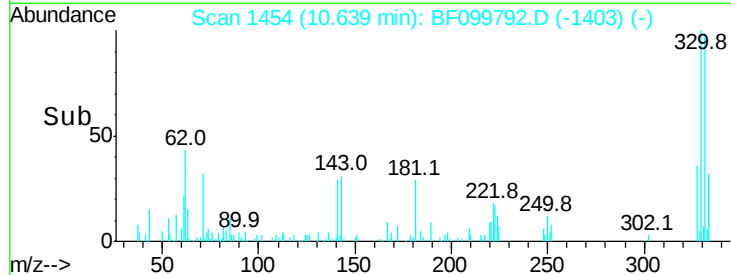
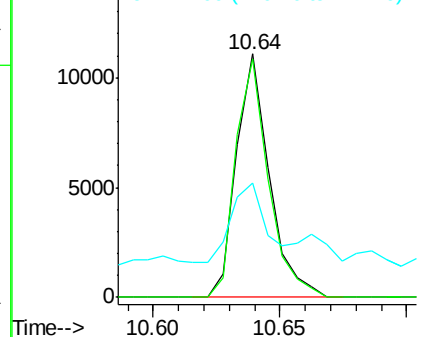


Abundance

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: 6.387 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF099792.D
 Acq: 24 Oct 2017 17:07

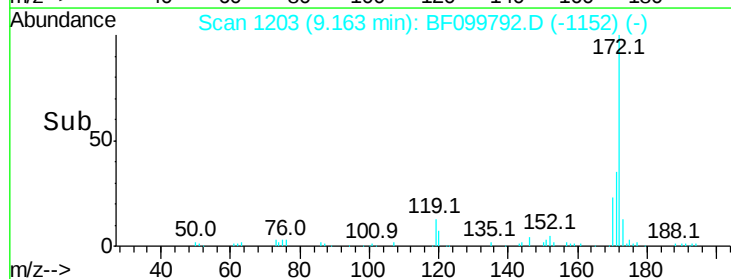
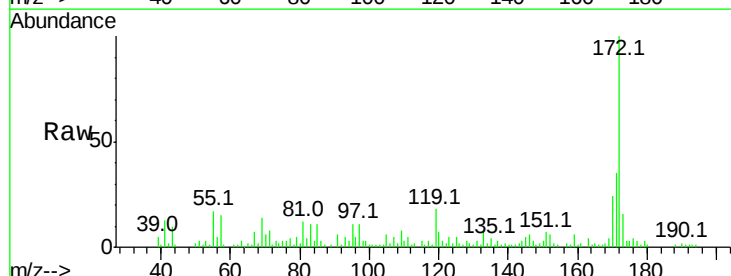
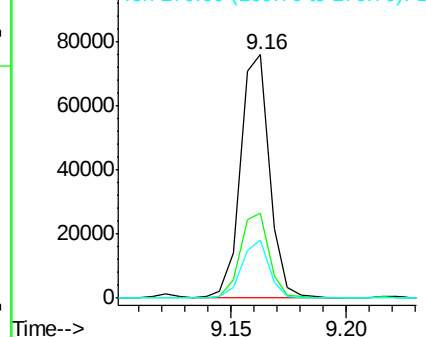
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.9	19.6	29.4

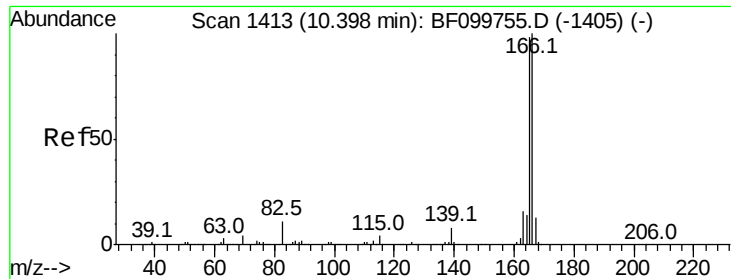
Abundance

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





#57

Fluorene

Concen: 2.065 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

Instrument :

BNA_F

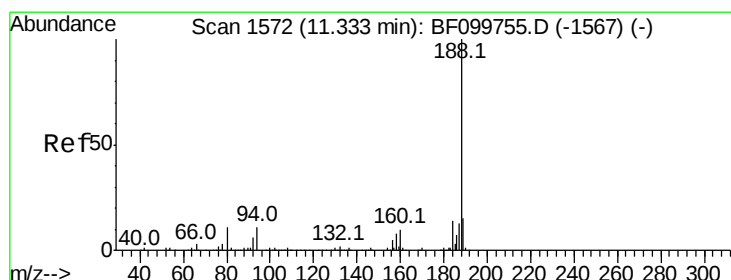
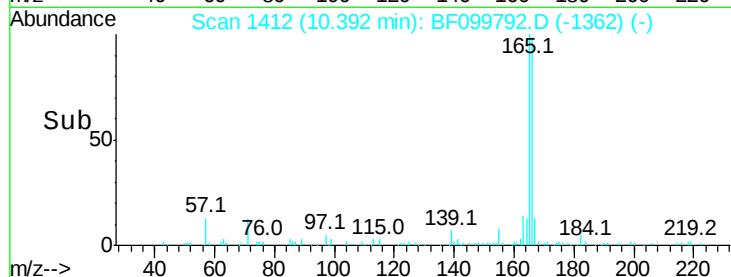
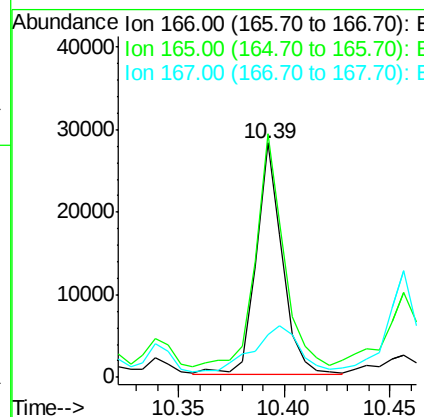
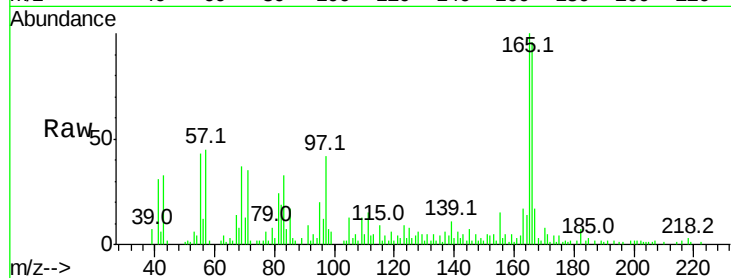
ClientSampleId :

SB-01

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.8	79.8	119.8
167	18.1	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

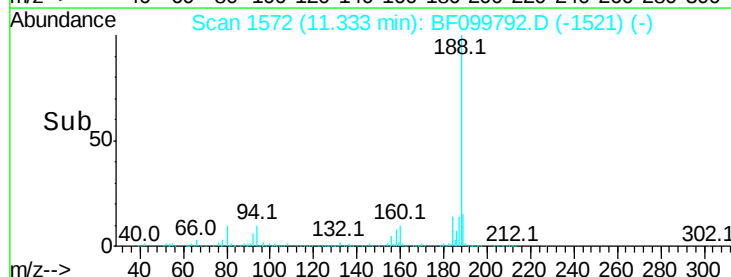
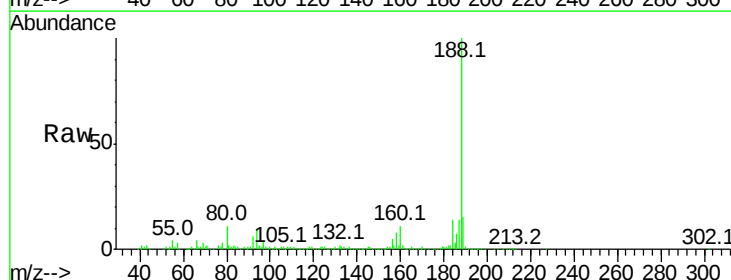
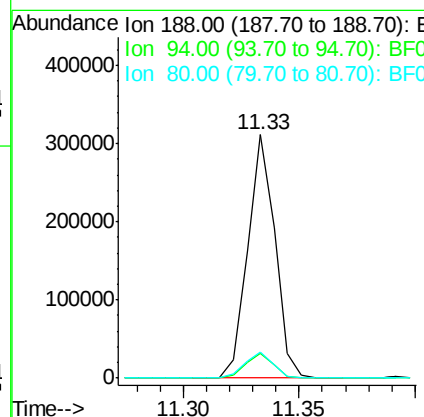
RT: 11.33 min Scan# 1572

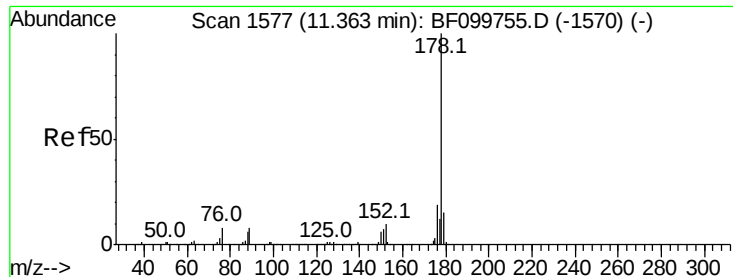
Delta R.T. -0.00 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	10.6	9.2	13.8





#70

Phenanthrene

Concen: 9.109 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

Instrument :

BNA_F

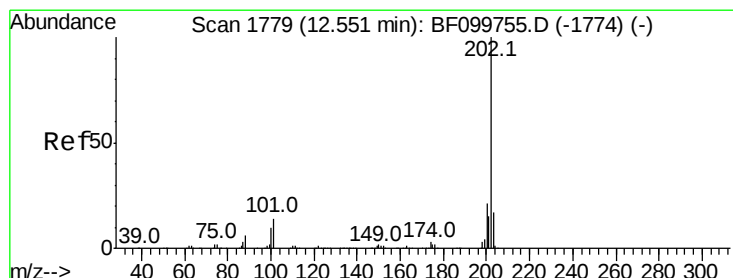
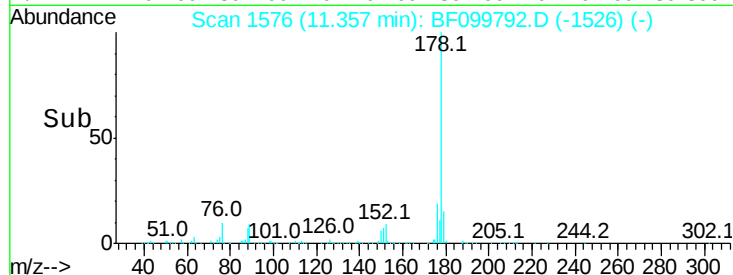
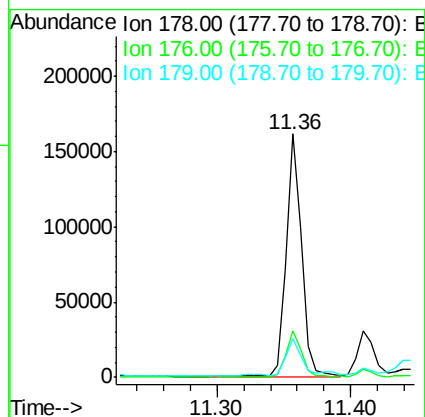
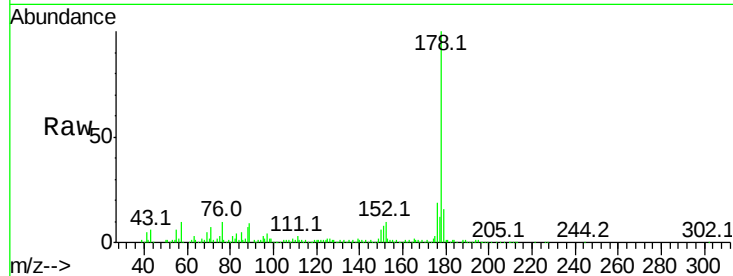
ClientSampled :

SB-01

Tot Ion:178	Resp:	131969
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.8 23.8
179	15.7	13.0 19.6

Manual Integrations
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#74

Fluoranthene

Concen: 6.828 ng

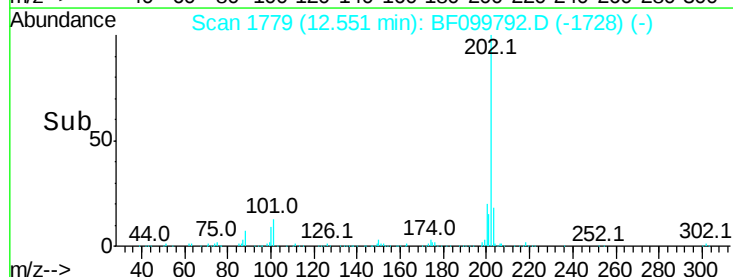
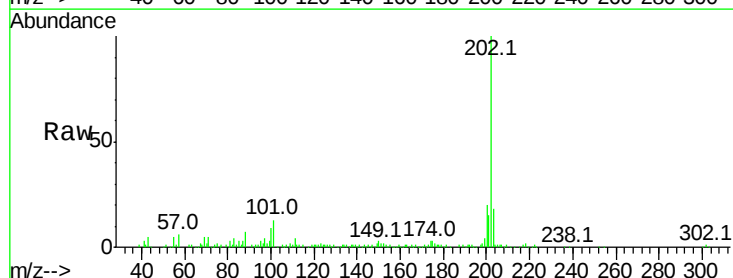
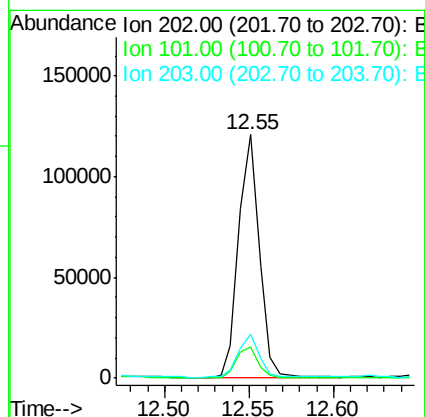
RT: 12.55 min Scan# 1779

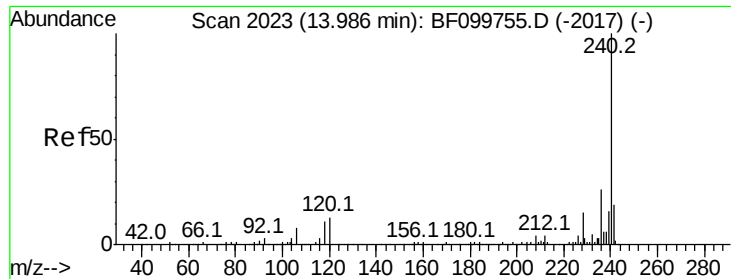
Delta R.T. -0.00 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

Tgt Ion:202	Resp:	102799
Ion Ratio	Lower	Upper
202	100	
101	12.5	0.0 34.1
203	18.0	0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

Instrument :

BNA_F

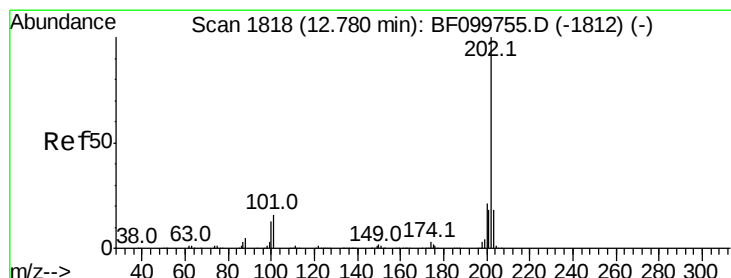
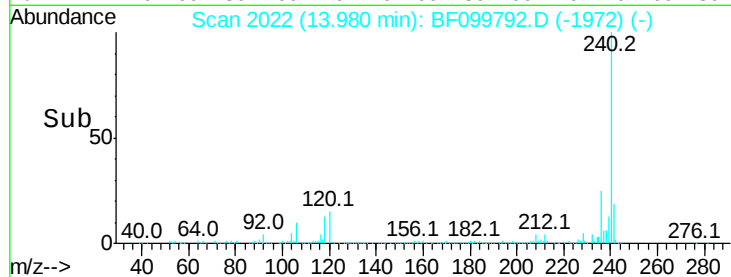
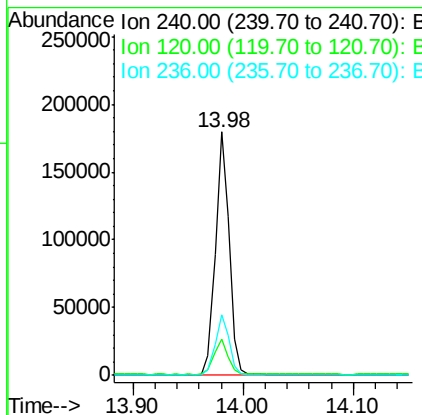
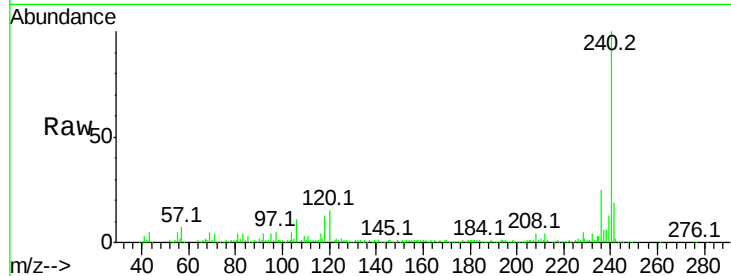
ClientSampled :

SB-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.0	9.5	14.3
236	24.7	20.7	31.1

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#77

Pyrene

Concen: 7.645 ng

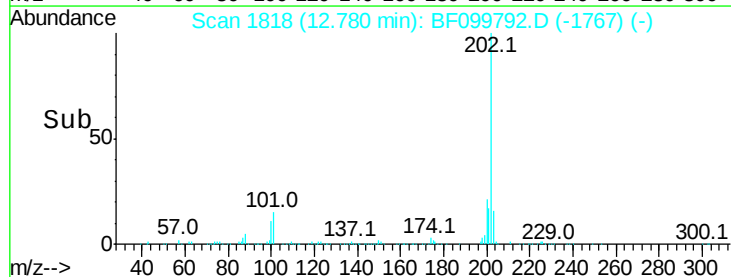
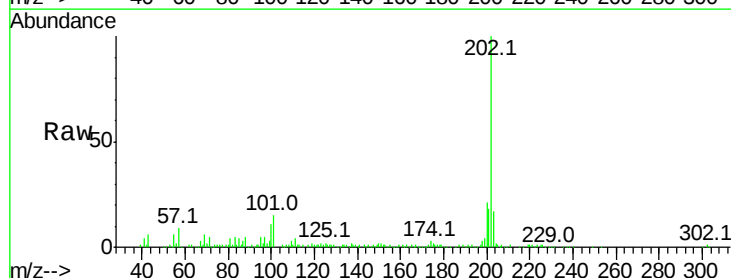
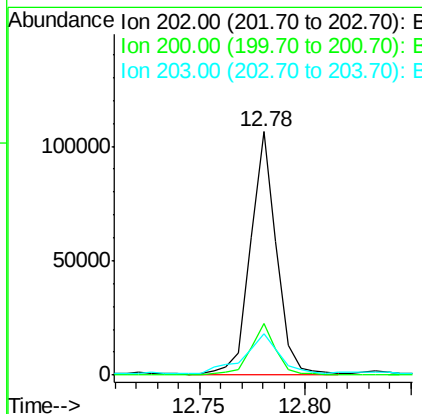
RT: 12.78 min Scan# 1818

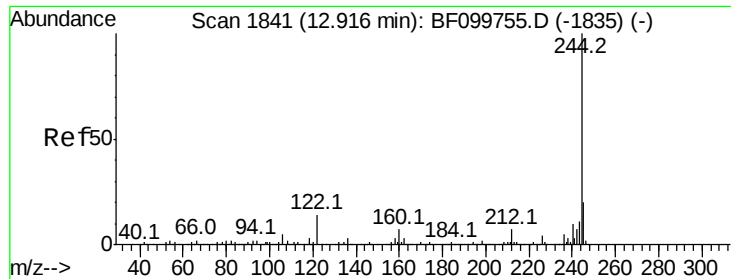
Delta R.T. -0.00 min

Lab File: BF099792.D

Acq: 24 Oct 2017 17:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.0	14.3	21.5





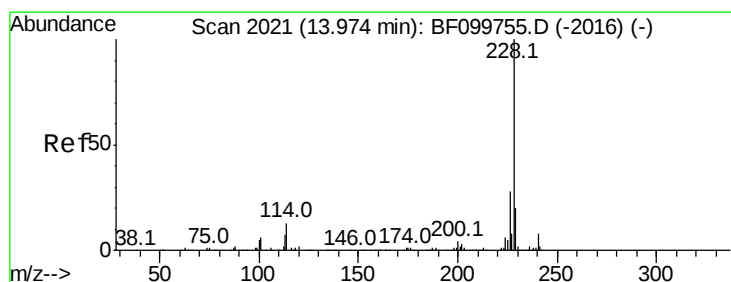
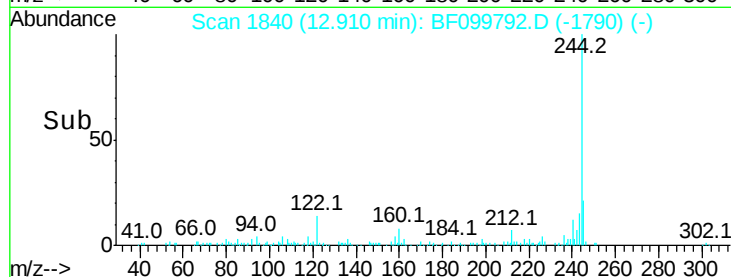
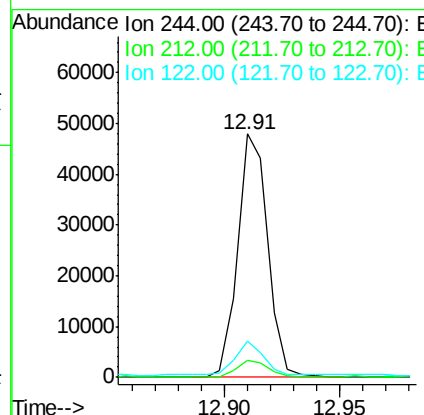
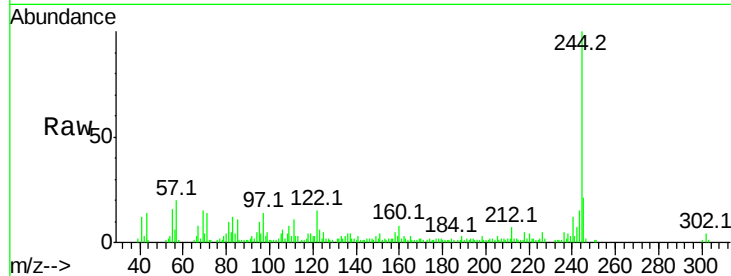
#78
 Terphenyl-d14
 Concen: 6.102 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF099792.D
 Acq: 24 Oct 2017 17:07

Instrument :
 BNA_F
 ClientSampled :
 SB-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	15.0	11.0	16.4

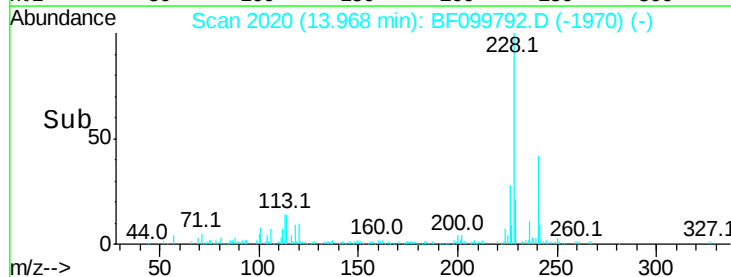
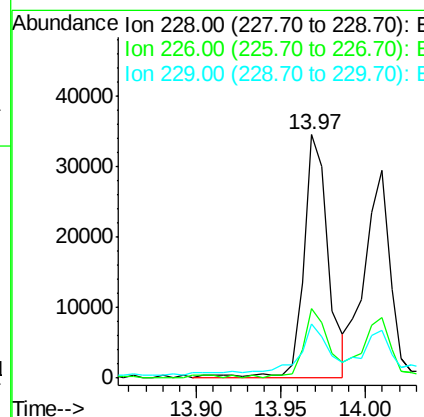
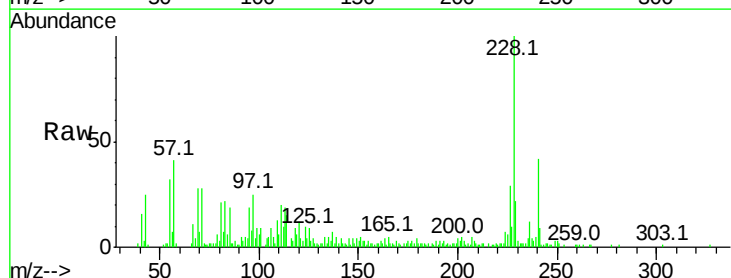
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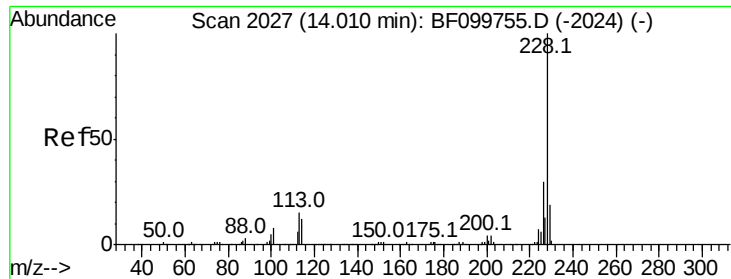
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#80
 Benzo(a)anthracene
 Concen: 3.567 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF099792.D
 Acq: 24 Oct 2017 17:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	22.2	15.8	23.6





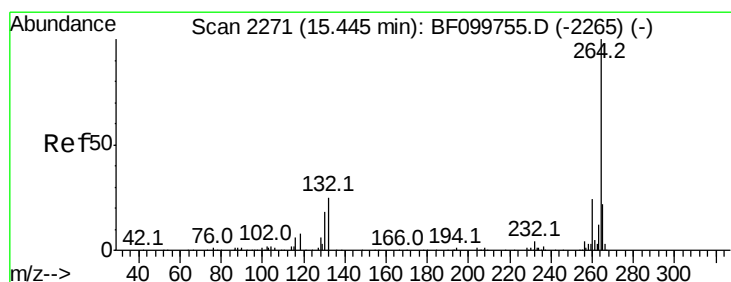
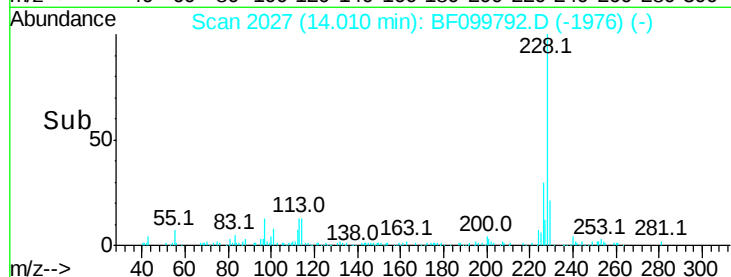
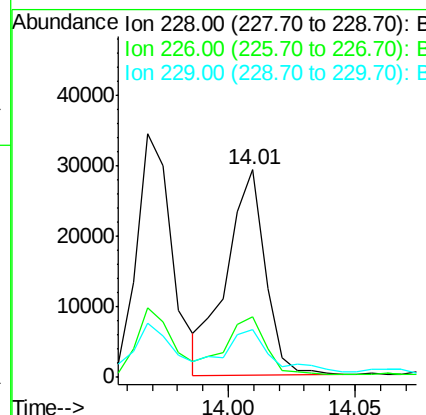
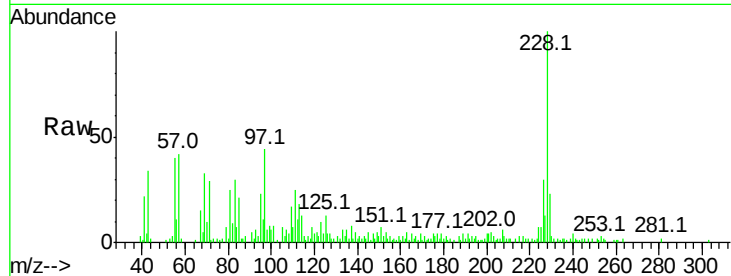
#82
Chrysene
Concen: 3.335 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Instrument :
BNA_F
ClientSampled :
SB-01

Tot Ion:	228	Resp:	30935
Ion Ratio	Lower	Upper	
228	100		
226	29.5	25.0	37.6
229	23.2	16.2	24.4

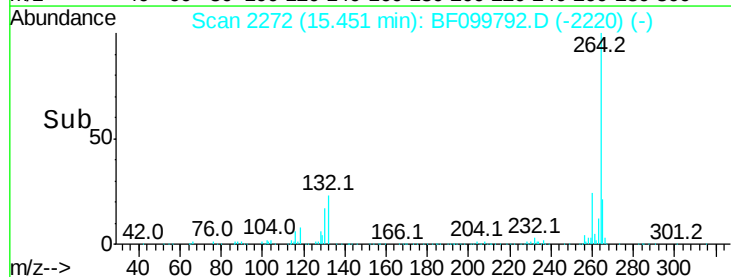
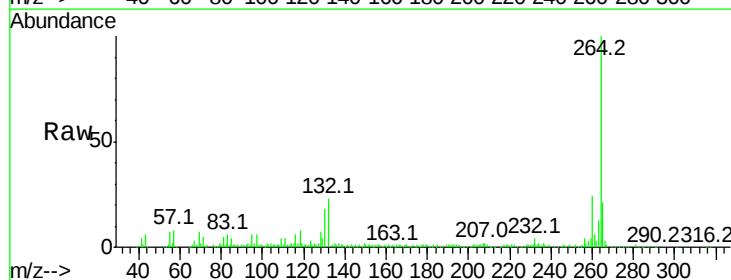
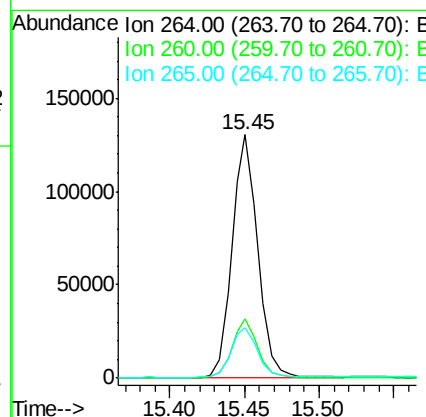
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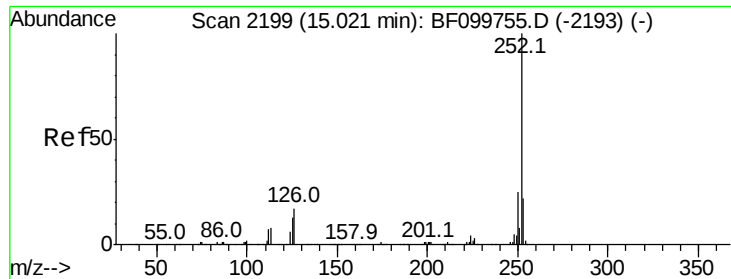
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Tgt Ion:	264	Resp:	159144
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	20.7	17.5	26.3





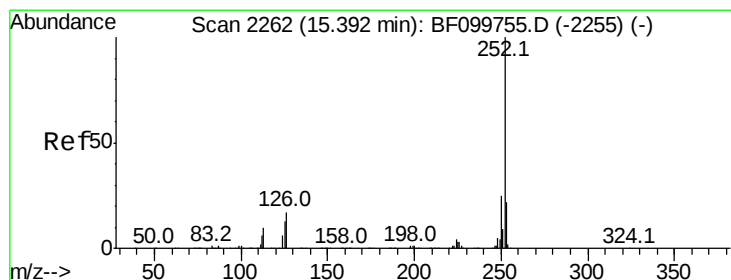
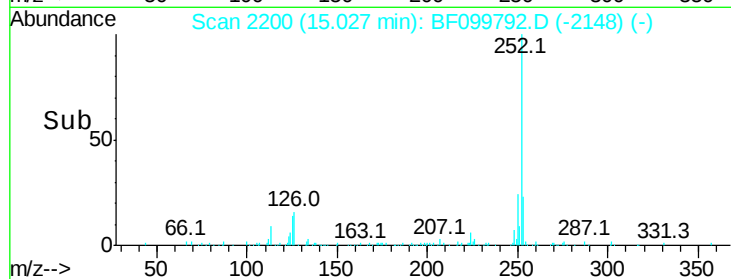
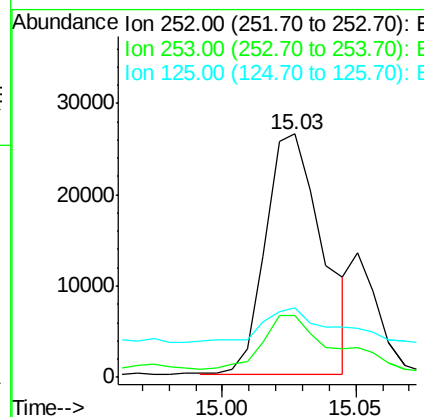
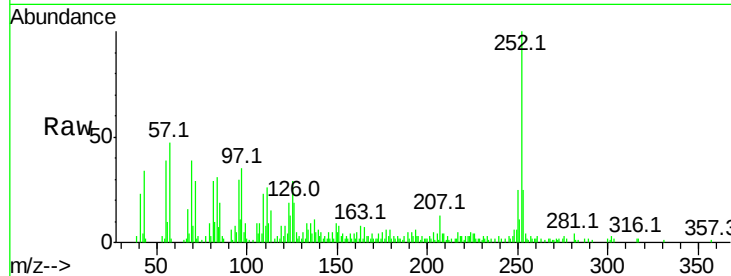
#87
Benzo(b)fluoranthene
Concen: 3.921 ng/mL
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Instrument :
BNA_F
ClientSampled :
SB-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.6
125	28.6	9.0	13.6

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 2.896 ng/mL
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF099792.D
Acq: 24 Oct 2017 17:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	29.1	9.8	14.6

