

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117167.D
 Acq On : 19 Sep 2019 1:21
 Operator : HP/JU
 Sample : K4877-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-3

Manual Integrations
 APPROVED

Jagrut
 9/19/2019 10:42:19 AM

Quant Time: Sep 19 08:27:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	34036	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	236874	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	111556	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	158366	20.00	ng	0.00
76) Chrysene-d12	13.96	240	127326	20.00	ng	-0.01
87) Perylene-d12	15.42	264	78018	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	35835	16.44	ng	0.00
7) Phenol-d6	6.46	99	56841	20.17	ng	0.00
23) Nitrobenzene-d5	7.39	82	62580	13.88	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	15749	16.89	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	113782	15.95	ng	0.00
79) Terphenyl-d14	12.90	244	97305	14.28	ng	-0.01
Target Compounds						
75) Fluoranthene	12.54	202	41033	4.440	ng	Qvalue 95
78) Pyrene	12.77	202	47811	4.475	ng	97
80) Butylbenzylphthalate	13.38	149	72706	14.402	ng	95
81) Benzo(a)anthracene	13.96	228	25018	2.941	ng	# 88
83) Chrysene	13.99	228	26736	3.222	ng	# 90
86) Indeno(1,2,3-cd)pyrene	16.86	276	12432	2.054	ng	98
88) Benzo(b)fluoranthene	15.00	252	34544m	7.310	ng	
89) Benzo(k)fluoranthene	15.02	252	11315m	2.528	ng	
90) Benzo(a)pyrene	15.36	252	16914	4.079	ng	# 82
92) Benzo(g,h,i)perylene	17.29	276	11793	3.582	ng	# 88

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

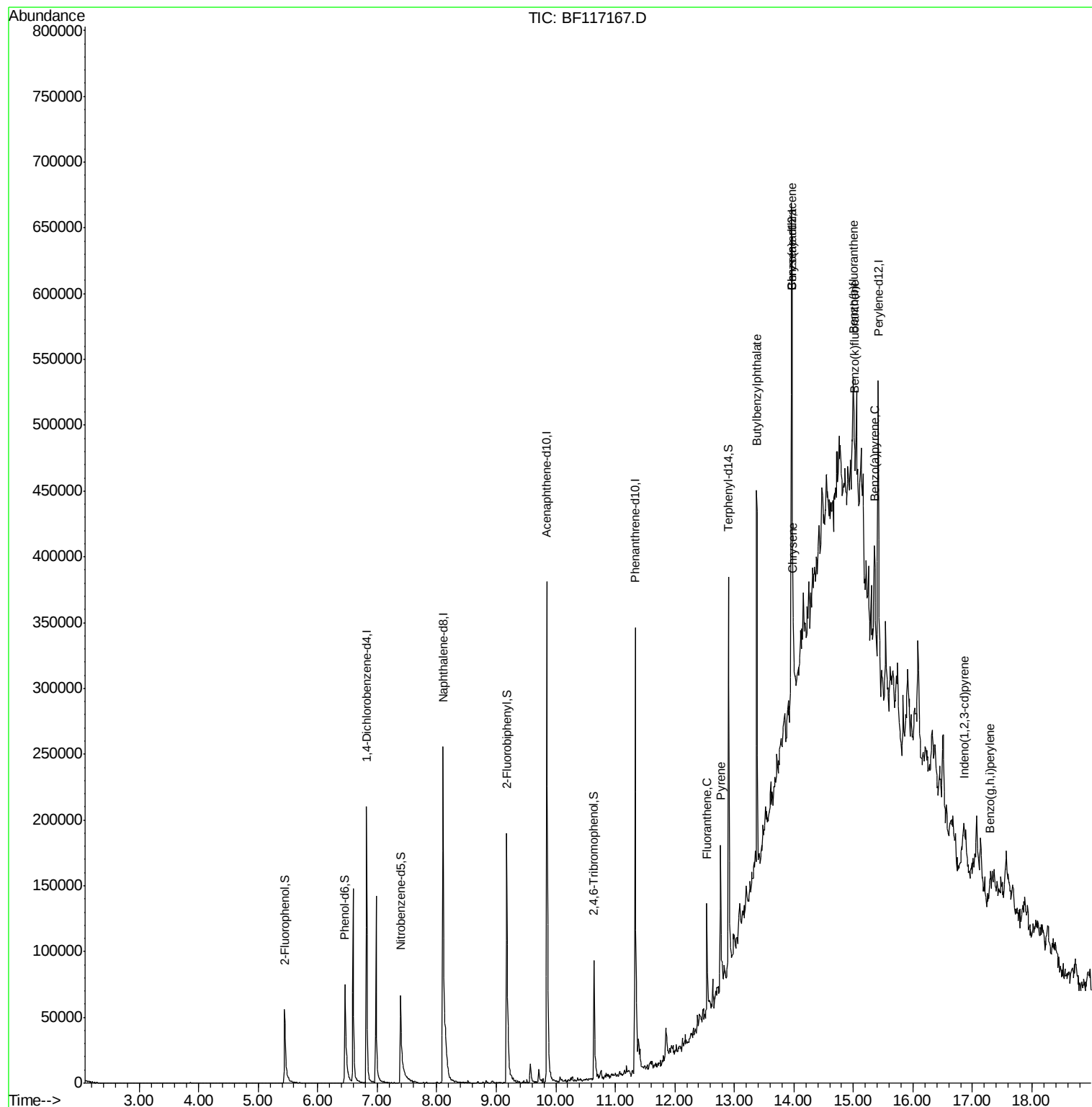
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
Data File : BF117167.D
Acq On : 19 Sep 2019 1:21
Operator : HP/JU
Sample : K4877-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
CSA-2-3

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

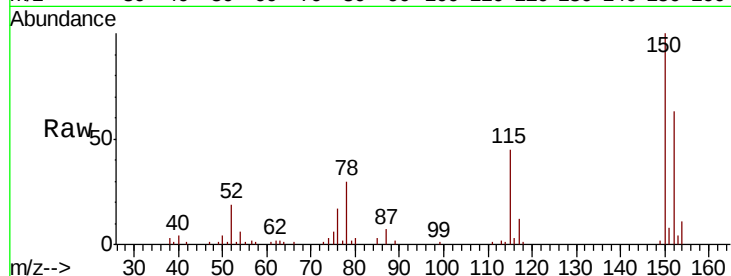
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampleId :
CSA-2-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	127.5	191.3
115	71.0	55.0	82.4

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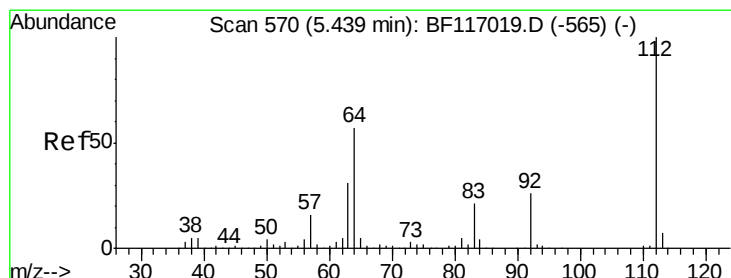
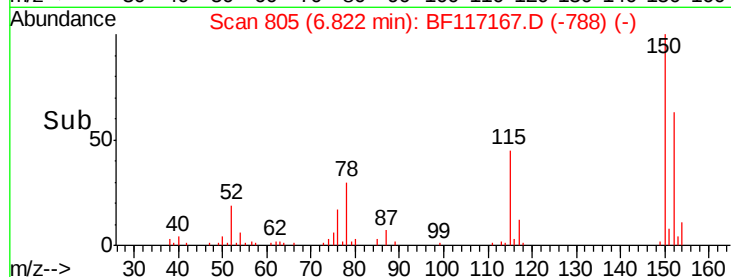
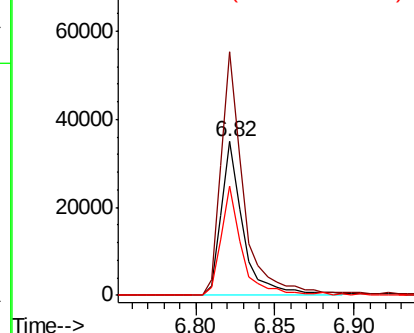


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

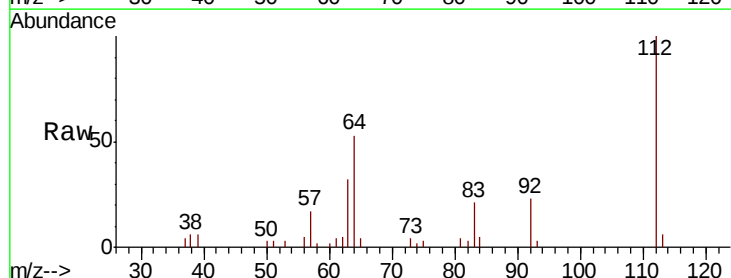
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 16.438 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	45.7	68.5
63	31.7	24.9	37.3

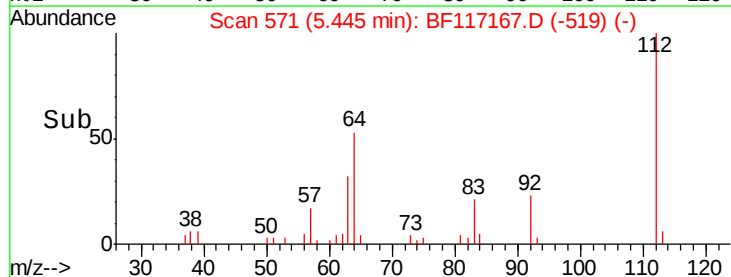
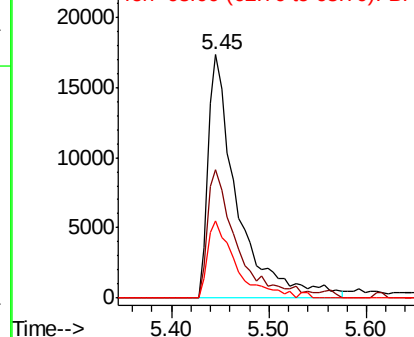


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 20.175 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117167.D

Acq: 19 Sep 2019 1:21

Instrument :

BNA_F

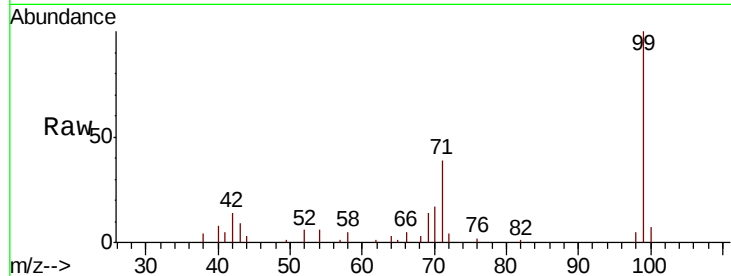
ClientSampled :

CSA-2-3

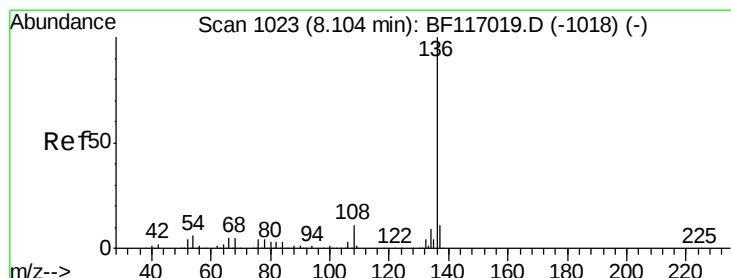
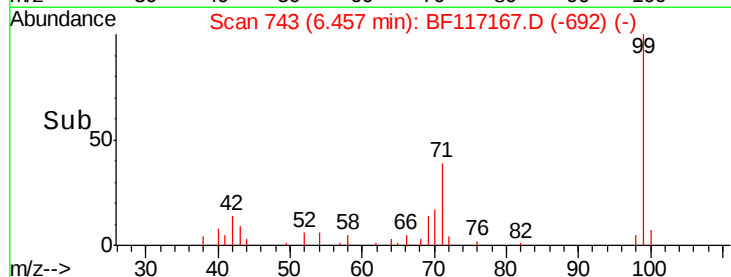
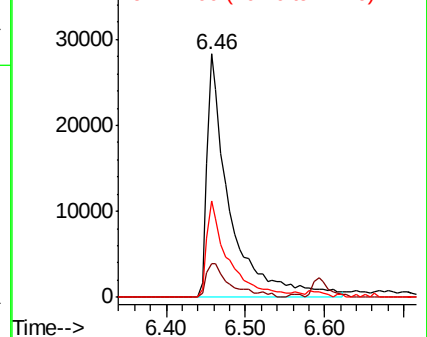
Tot Ion:	99	Resp:	56841
Ion	Ratio	Lower	Upper
99	100		
42	13.8	12.2	18.2
71	39.4	29.8	44.8

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

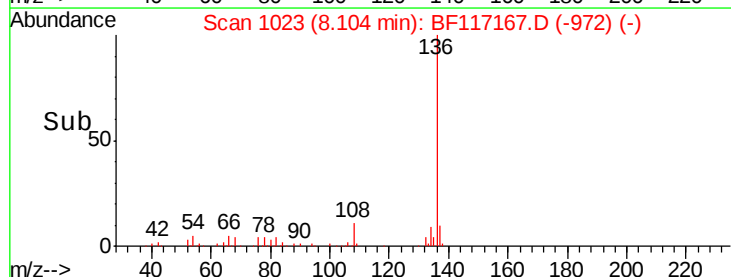
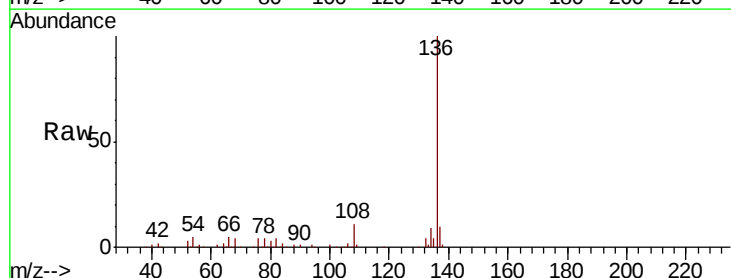
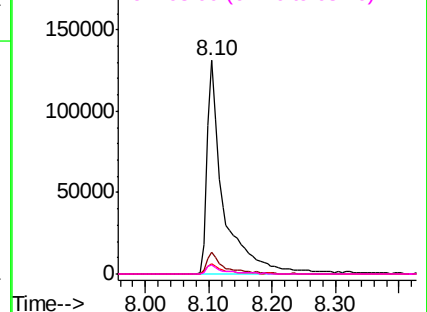
Delta R.T. -0.00 min

Lab File: BF117167.D

Acq: 19 Sep 2019 1:21

Tgt Ion:	136	Resp:	236874
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	4.9	4.5	6.7
68	4.4	4.0	6.0

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): BF1
Ion 68.00 (67.70 to 68.70): BF1





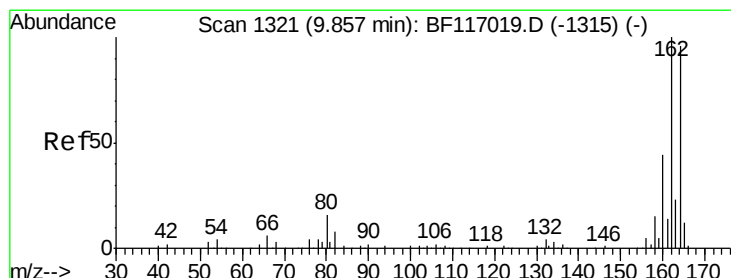
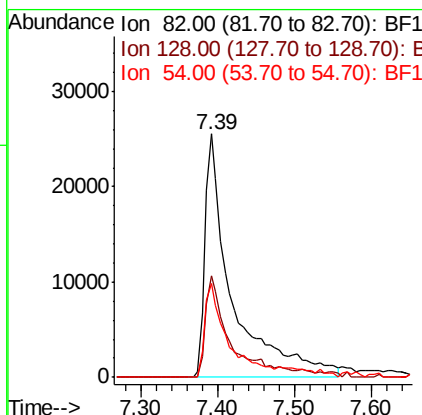
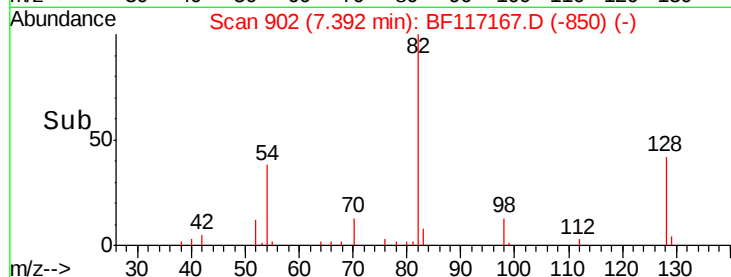
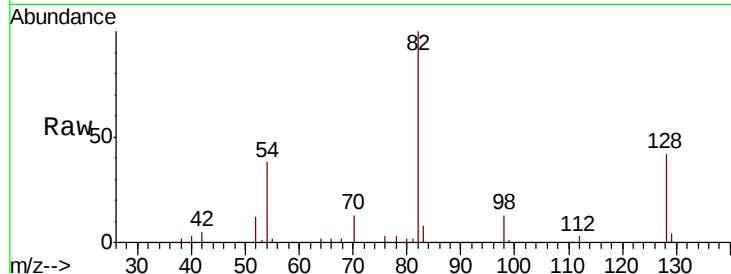
#23
 Nitrobenzene-d5
 Concen: 13.881 ng
 RT: 7.39 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: BF117167.D
 Acq: 19 Sep 2019 1:21

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.3	48.5
54	38.3	33.3	49.9

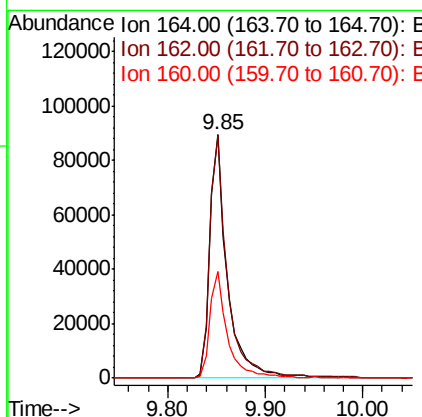
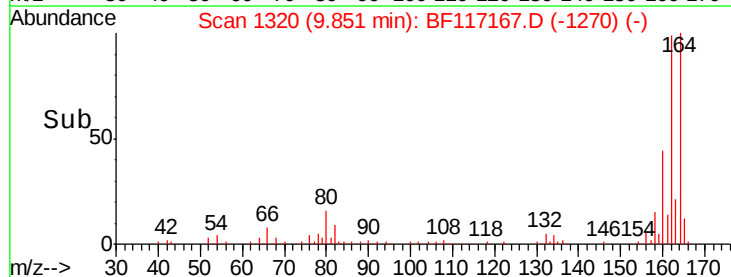
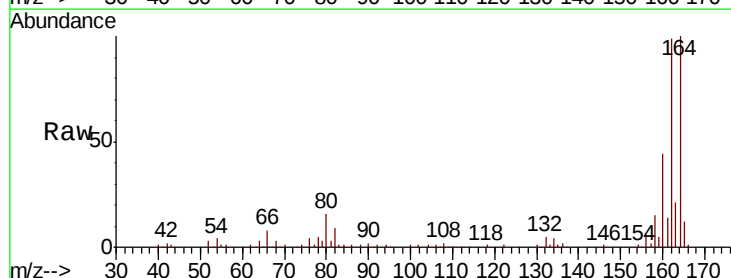
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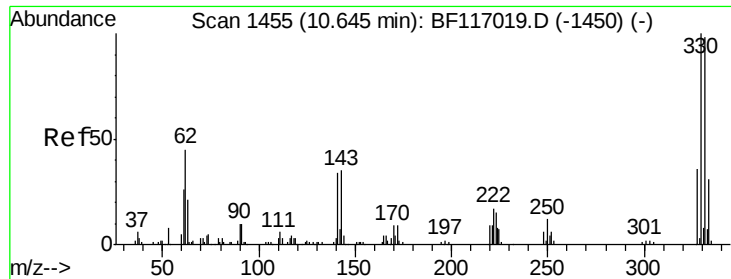
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117167.D
 Acq: 19 Sep 2019 1:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	83.4	125.2
160	43.6	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 16.892 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF117167.D

Acq: 19 Sep 2019 1:21

Instrument :

BNA_F

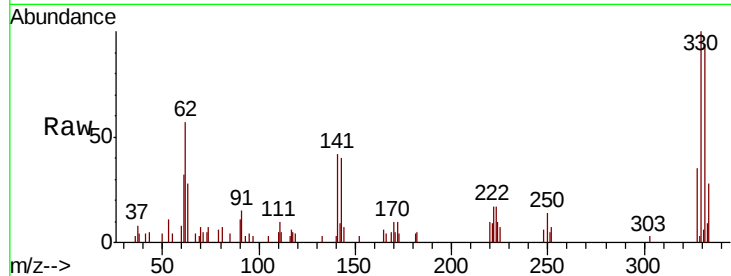
ClientSampleId :

CSA-2-3

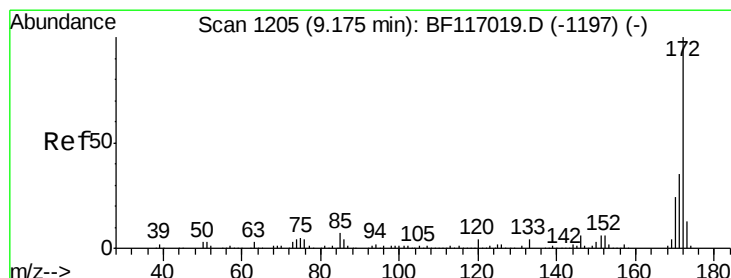
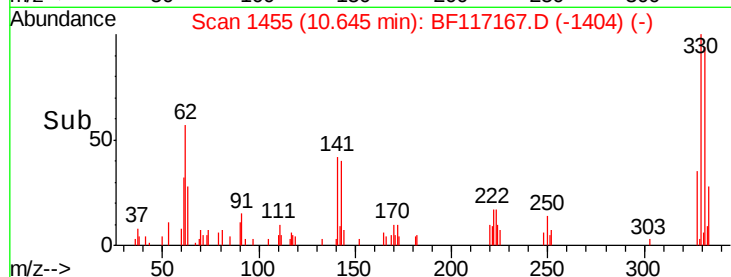
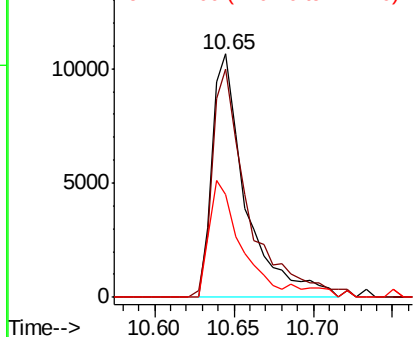
Tot Ion:	330	Resp:	15749
Ion Ratio	Lower	Upper	
330	100		
332	100.7	78.0	117.0
141	44.8	35.8	53.6

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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



#45

2-Fluorobiphenyl

Concen: 15.948 ng

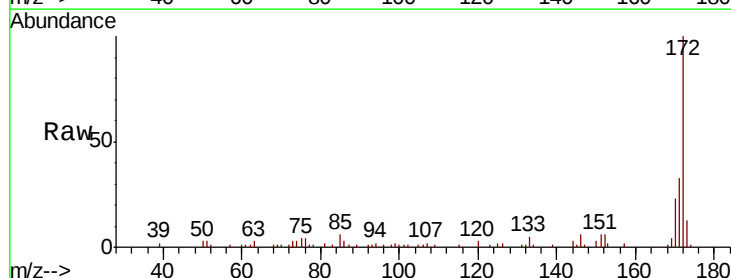
RT: 9.17 min Scan# 1205

Delta R.T. -0.00 min

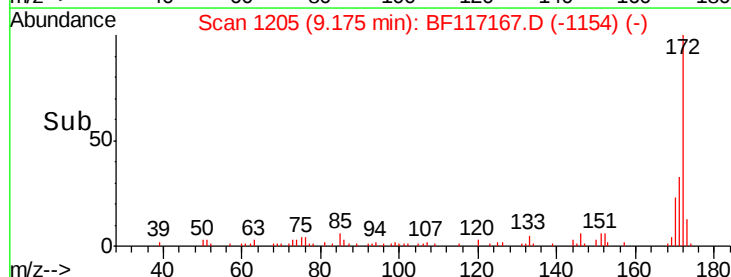
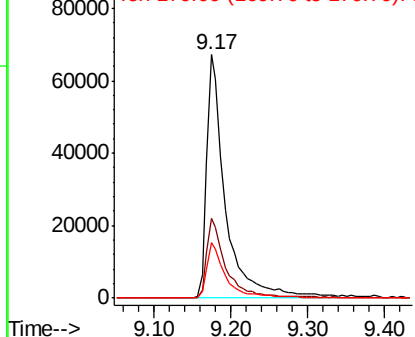
Lab File: BF117167.D

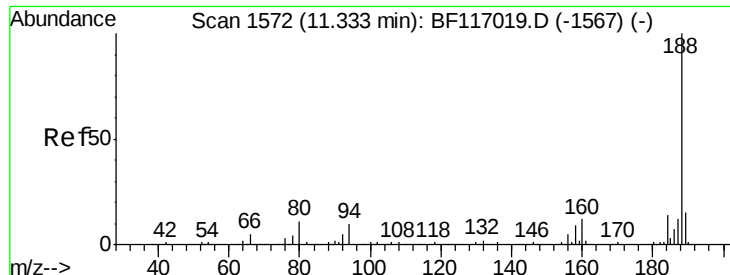
Acq: 19 Sep 2019 1:21

Tgt Ion:	172	Resp:	113782
Ion Ratio	Lower	Upper	
172	100		
171	32.6	28.2	42.2
170	22.9	18.9	28.3



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





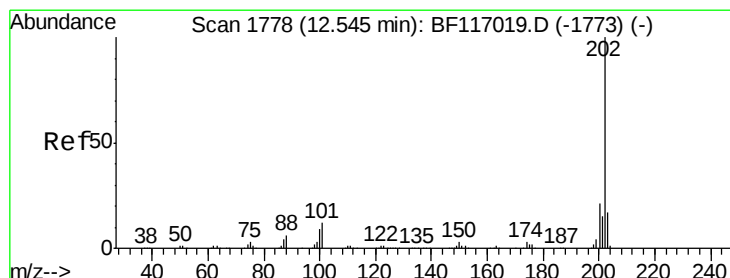
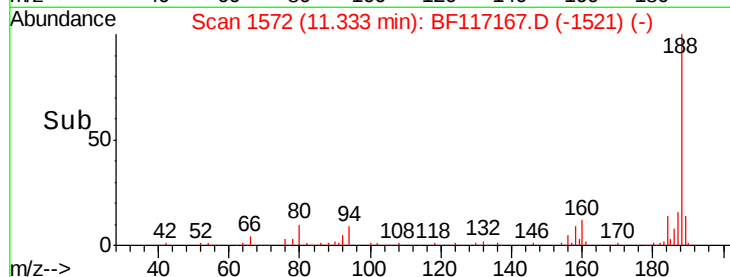
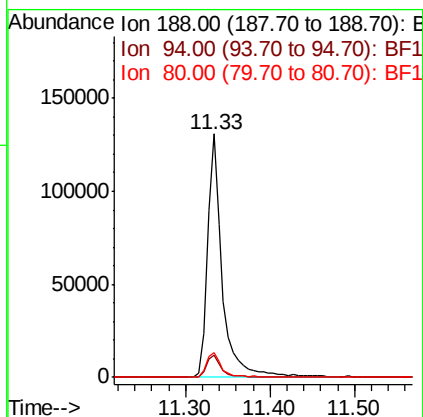
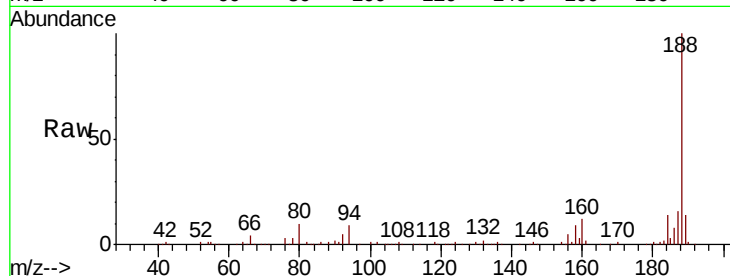
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampleId :
CSA-2-3

Tot Ion:	188	Resp:	158366
Ion Ratio	Lower	Upper	
188	100		
94	9.0	8.2	12.2
80	10.2	9.0	13.6

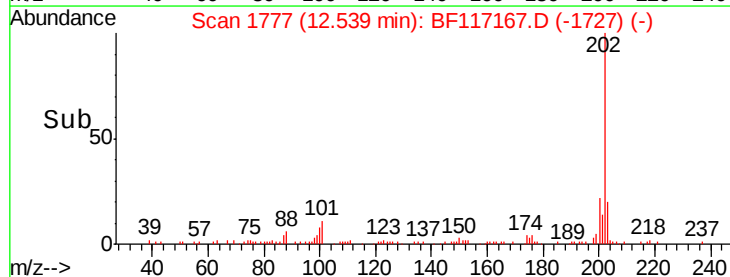
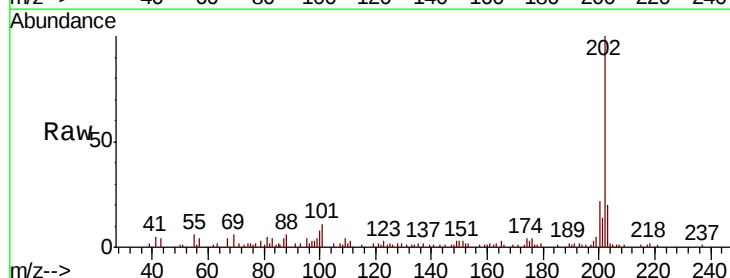
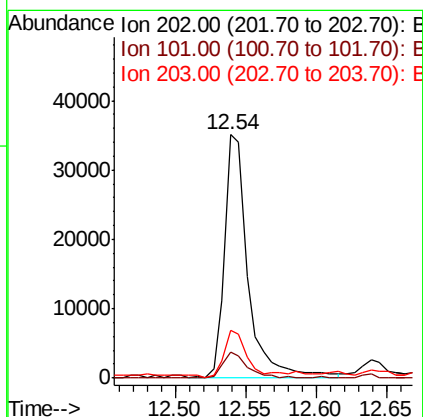
Manual Integrations
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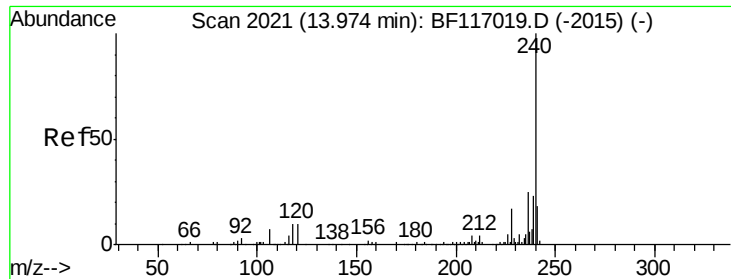
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#75
Fluoranthene
Concen: 4.440 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion:	202	Resp:	41033
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	32.3
203	19.8	0.0	37.1





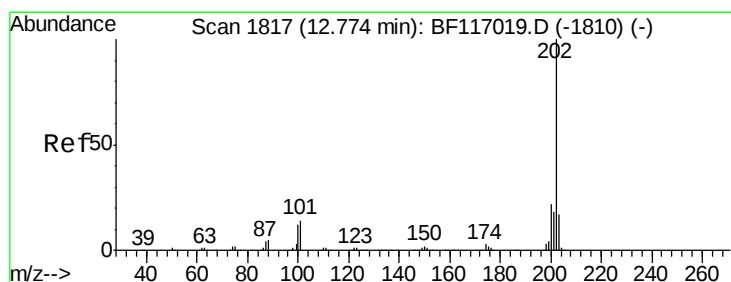
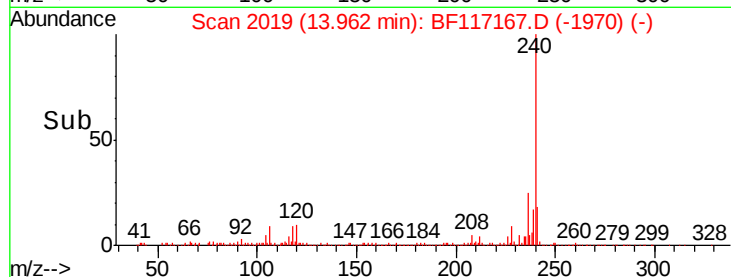
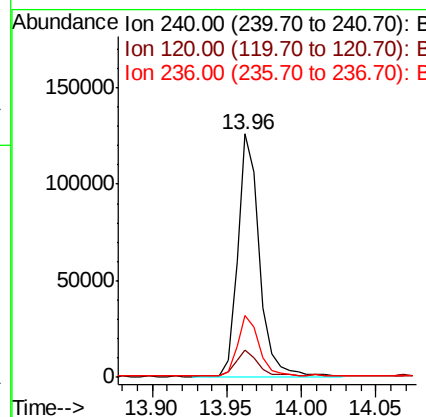
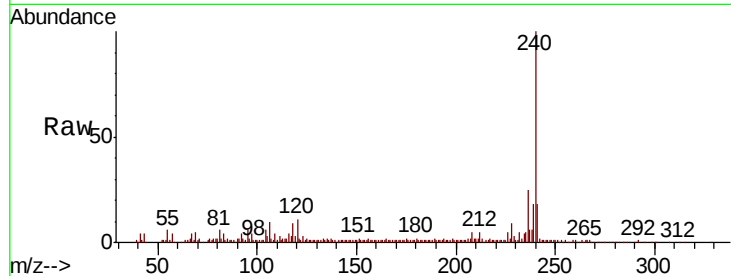
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampleId :
CSA-2-3

Tot Ion	Ratio	Resp	Lower	Upper
240	100	127326		
120	11.0	8.3	12.5	
236	25.2	20.3	30.5	

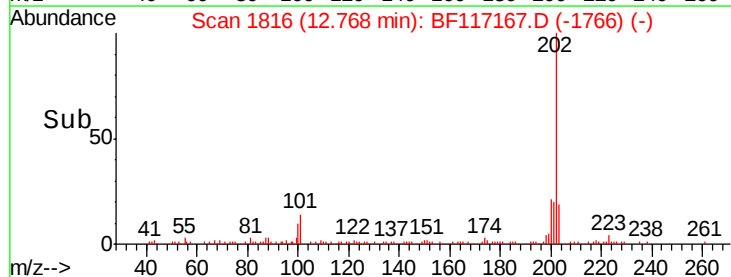
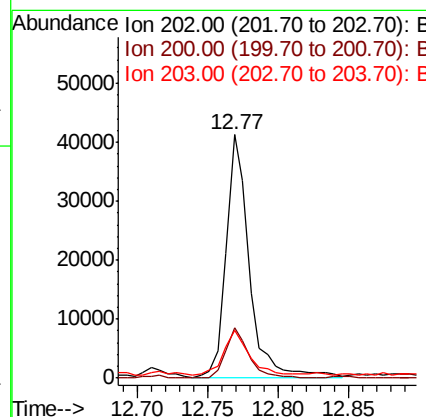
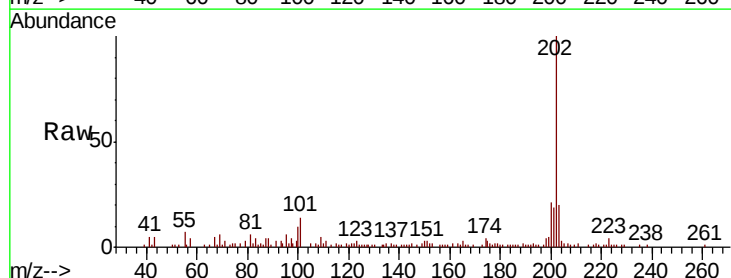
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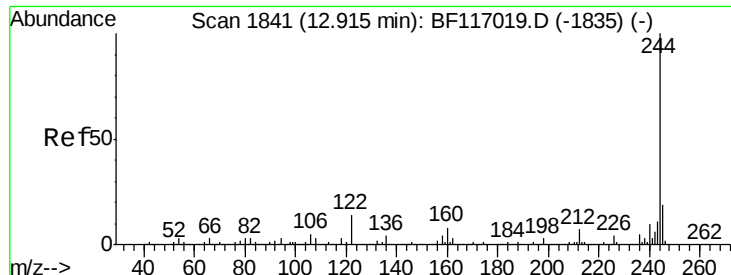
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#78
Pyrene
Concen: 4.475 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	47811		
200	20.7	17.2	25.8	
203	19.7	14.0	21.0	





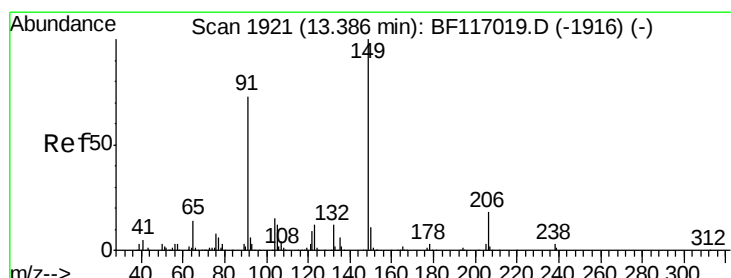
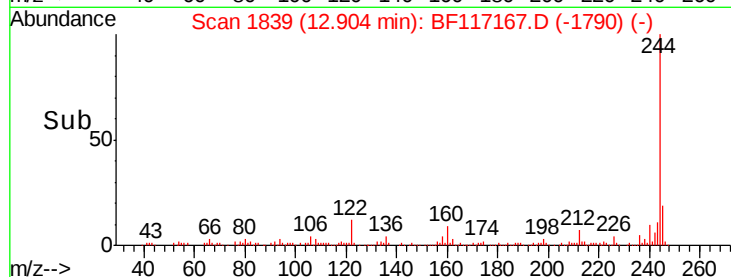
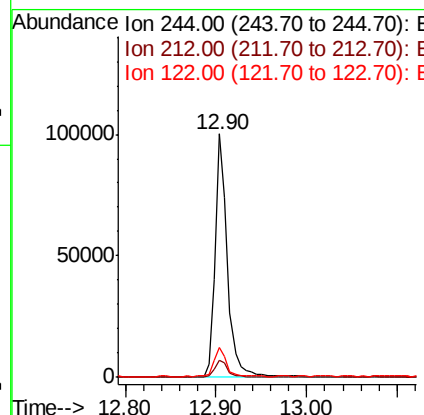
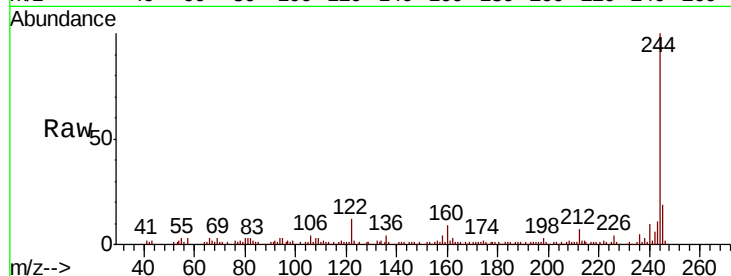
#79
 Terphenyl-d14
 Concen: 14.285 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF117167.D
 Acq: 19 Sep 2019 1:21

Instrument :
 BNA_F
 ClientSampled :
 CSA-2-3

Tot Ion	Ratio	Resp	Lower	Upper
244	100	97305		
212	7.2		5.8	8.8
122	12.0		11.3	16.9

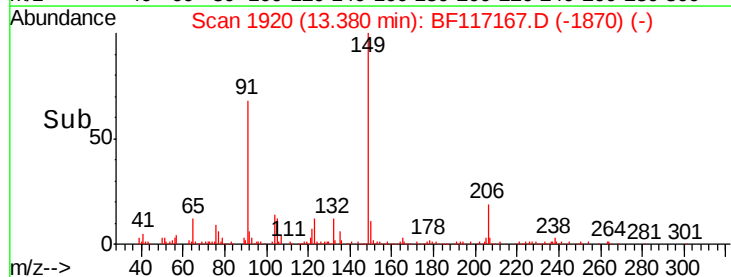
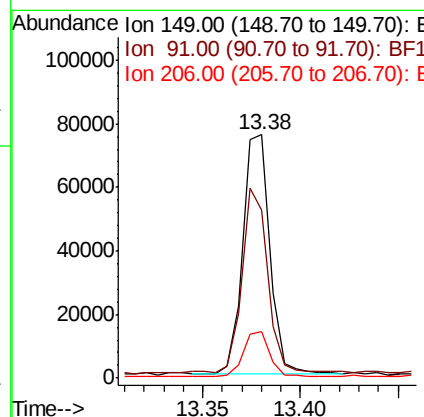
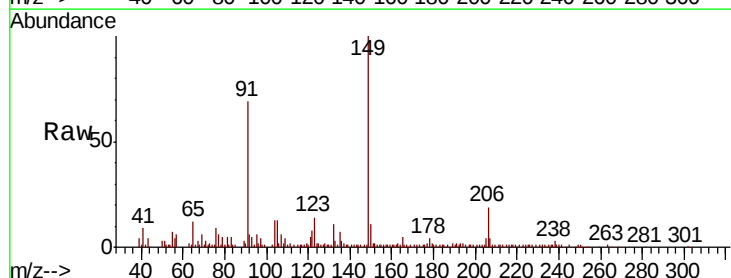
Manual Integrations
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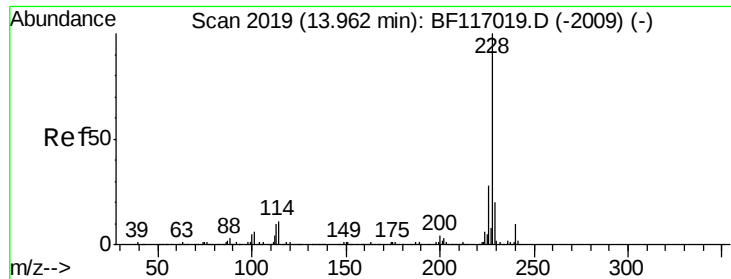
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#80
 Butylbenzylphthalate
 Concen: 14.402 ng
 RT: 13.38 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: BF117167.D
 Acq: 19 Sep 2019 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	72706		
91	69.0		58.8	88.2
206	19.0		14.1	21.1





#81

Benzo(a)anthracene

Concen: 2.941 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF117167.D

Acq: 19 Sep 2019 1:21

Instrument :

BNA_F

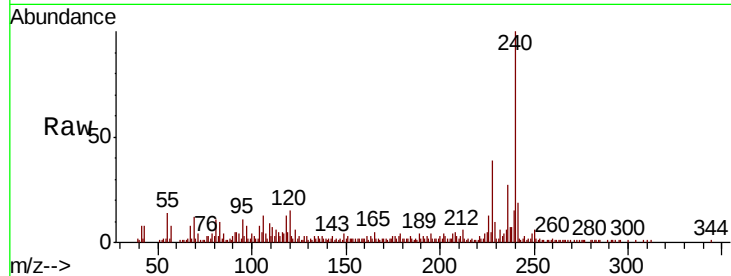
ClientSampleId :

CSA-2-3

Tot Ion:	228	Resp:	25018
Ion Ratio	Lower	Upper	
228	100		
226	34.2	22.3	33.5#
229	25.1	15.9	23.9#

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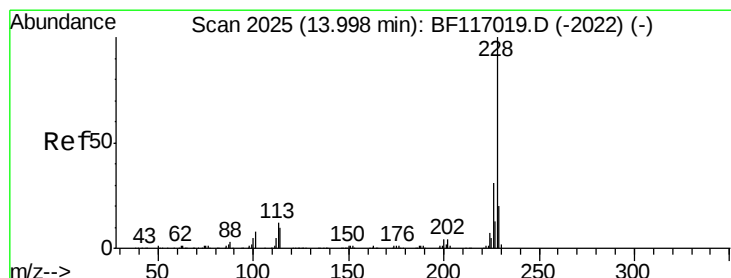
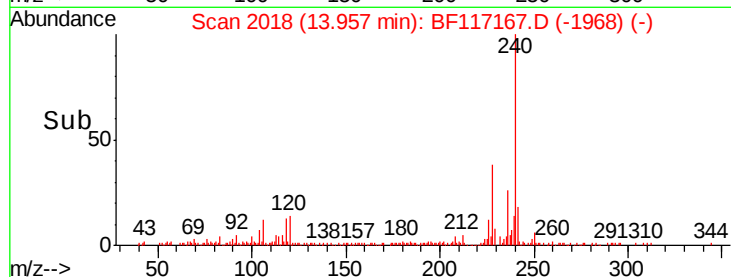
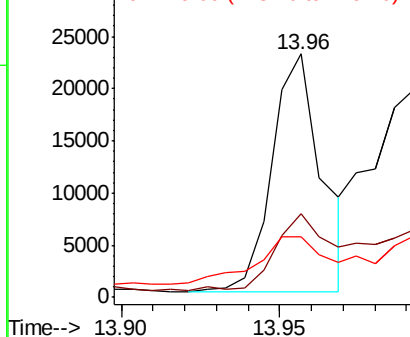


Abundance

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



#83

Chrysene

Concen: 3.222 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF117167.D

Acq: 19 Sep 2019 1:21

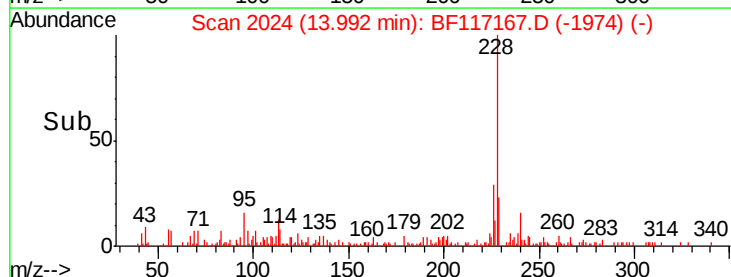
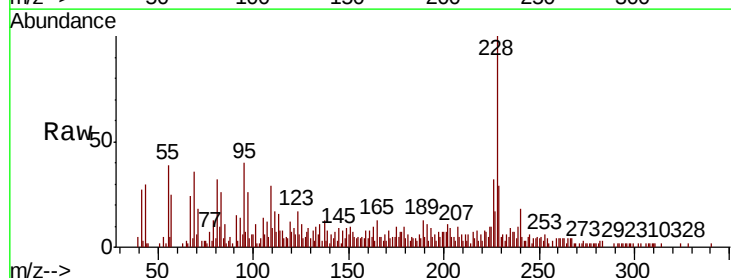
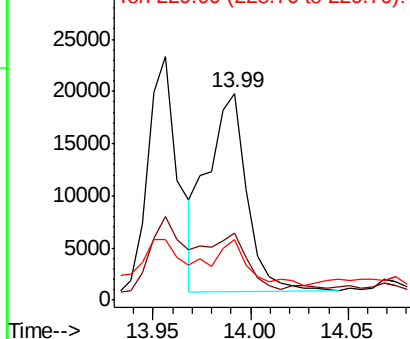
Tgt Ion:	228	Resp:	26736
Ion Ratio	Lower	Upper	
228	100		
226	32.5	24.8	37.2
229	29.5	15.8	23.8#

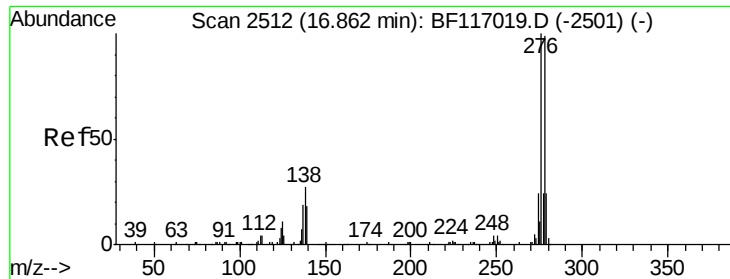
Abundance

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





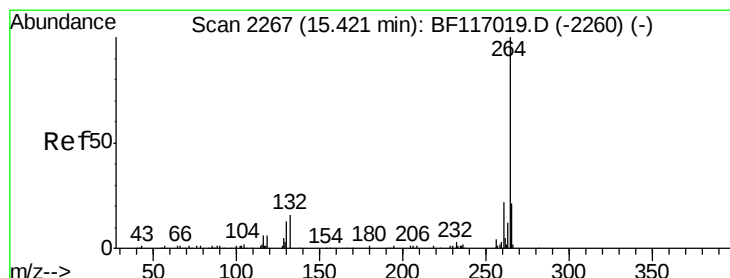
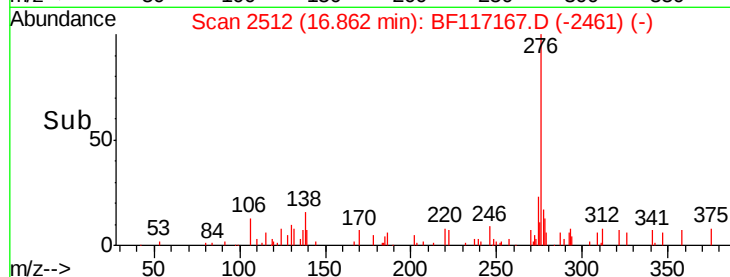
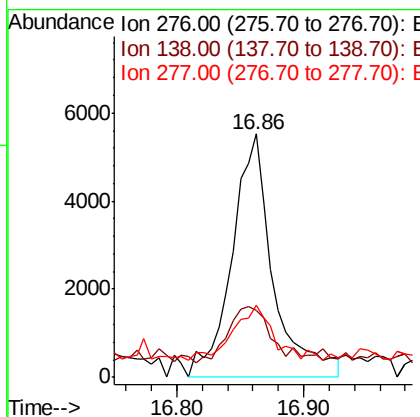
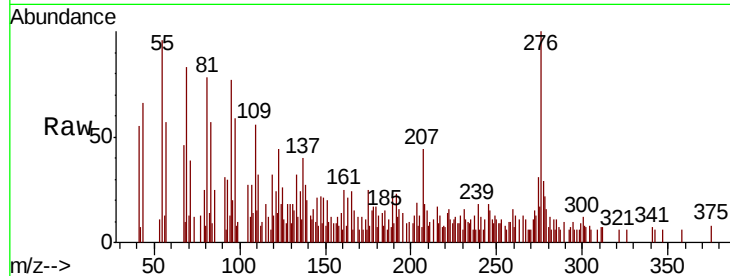
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.054 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.00 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampleId :
CSA-2-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.7	31.1
277	23.0	19.8	29.8

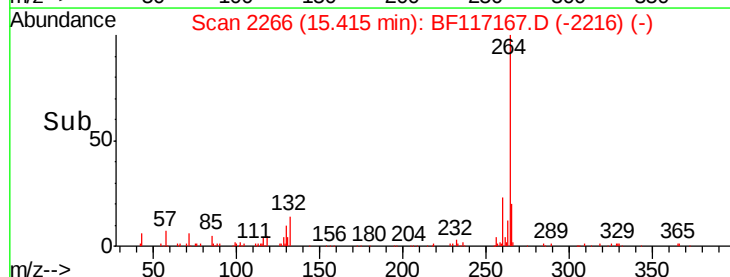
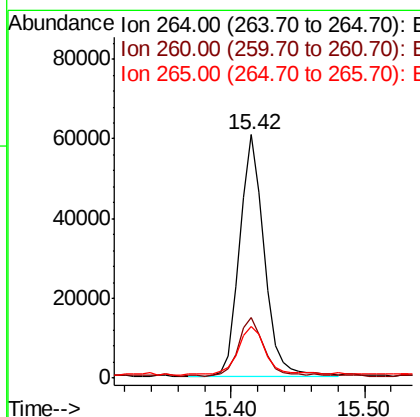
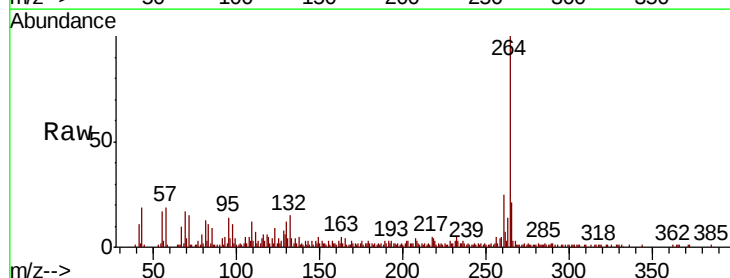
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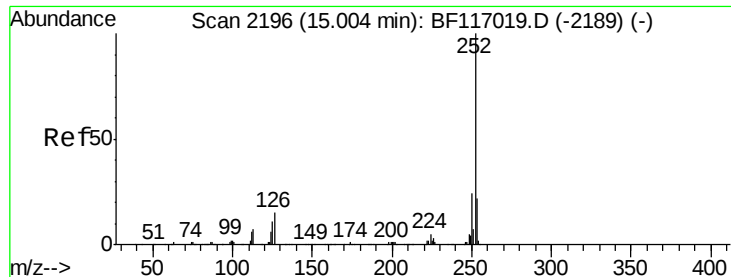
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	17.6	26.4
265	21.4	16.6	24.8





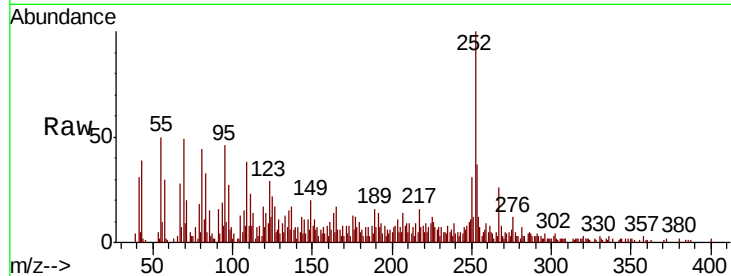
#88
Benzo(b)fluoranthene
Concen: 7.310 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampleId :
CSA-2-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.1	17.6	26.4#
125	21.7	8.6	12.8#

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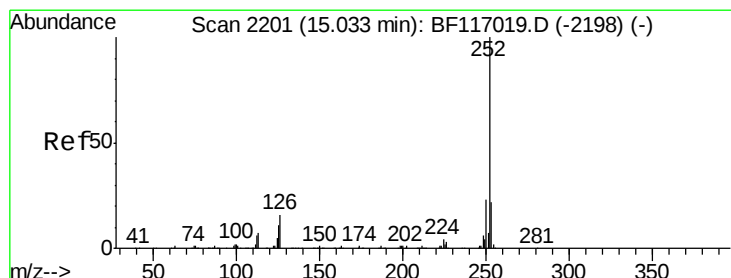
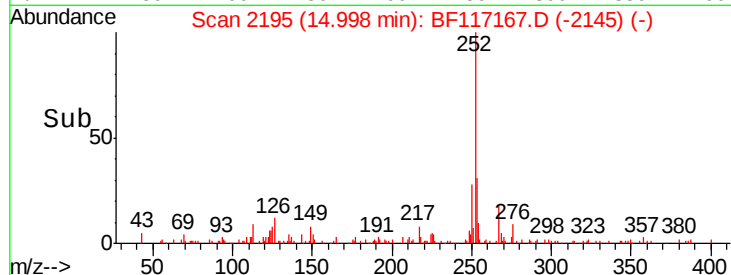
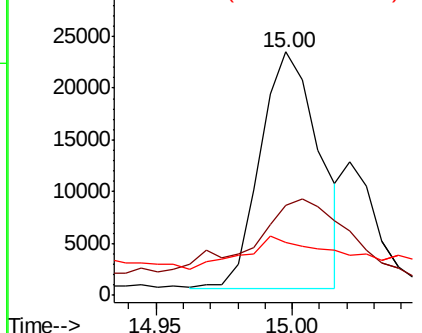


Abundance

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(k)fluoranthene
Concen: 2.528 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

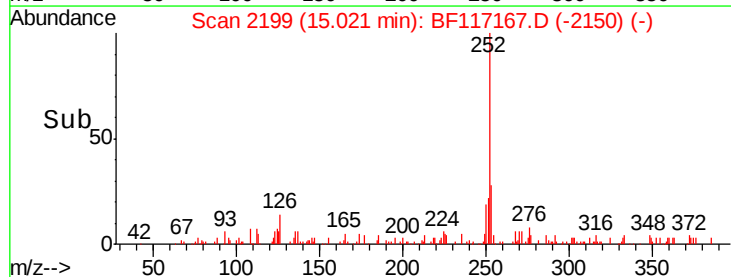
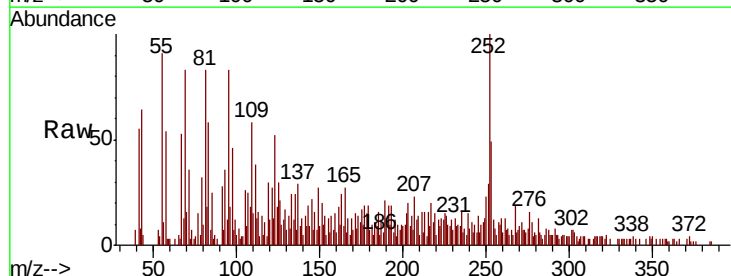
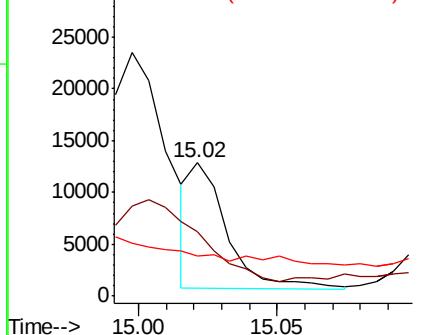
Tgt Ion	Ratio	Lower	Upper
252	100		
253	48.6	17.4	26.2#
125	30.4	8.8	13.2#

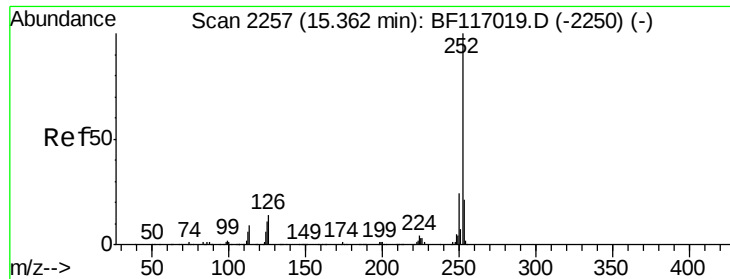
Abundance

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





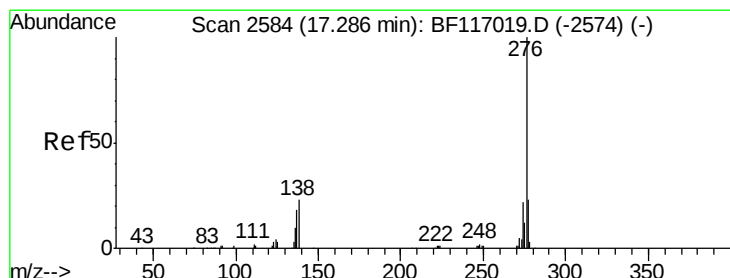
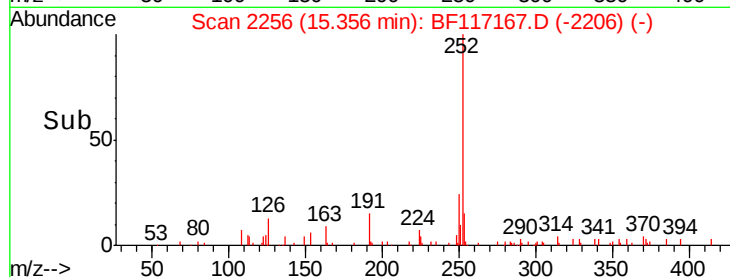
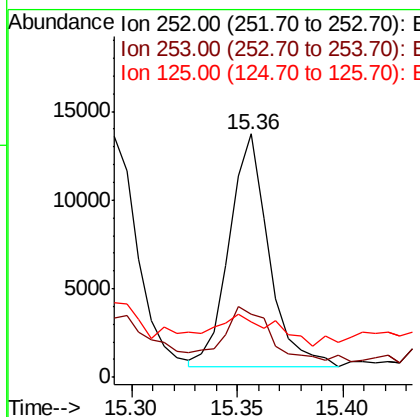
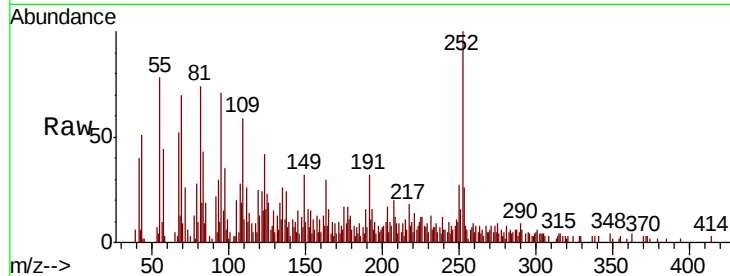
#90
Benzo(a)pyrene
Concen: 4.079 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Instrument :
BNA_F
ClientSampled :
CSA-2-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	16.6	25.0#
125	22.6	8.9	13.3#

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#92
Benzo(g,h,i)perylene
Concen: 3.582 ng
RT: 17.29 min Scan# 2585
Delta R.T. 0.01 min
Lab File: BF117167.D
Acq: 19 Sep 2019 1:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.6	18.6	27.8#
138	28.4	18.0	27.0#

