

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120720\
 Data File : BF122583.D
 Acq On : 7 Dec 2020 21:03
 Operator : JU/CG
 Sample : L4950-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-120420

Quant Time: Dec 08 00:24:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

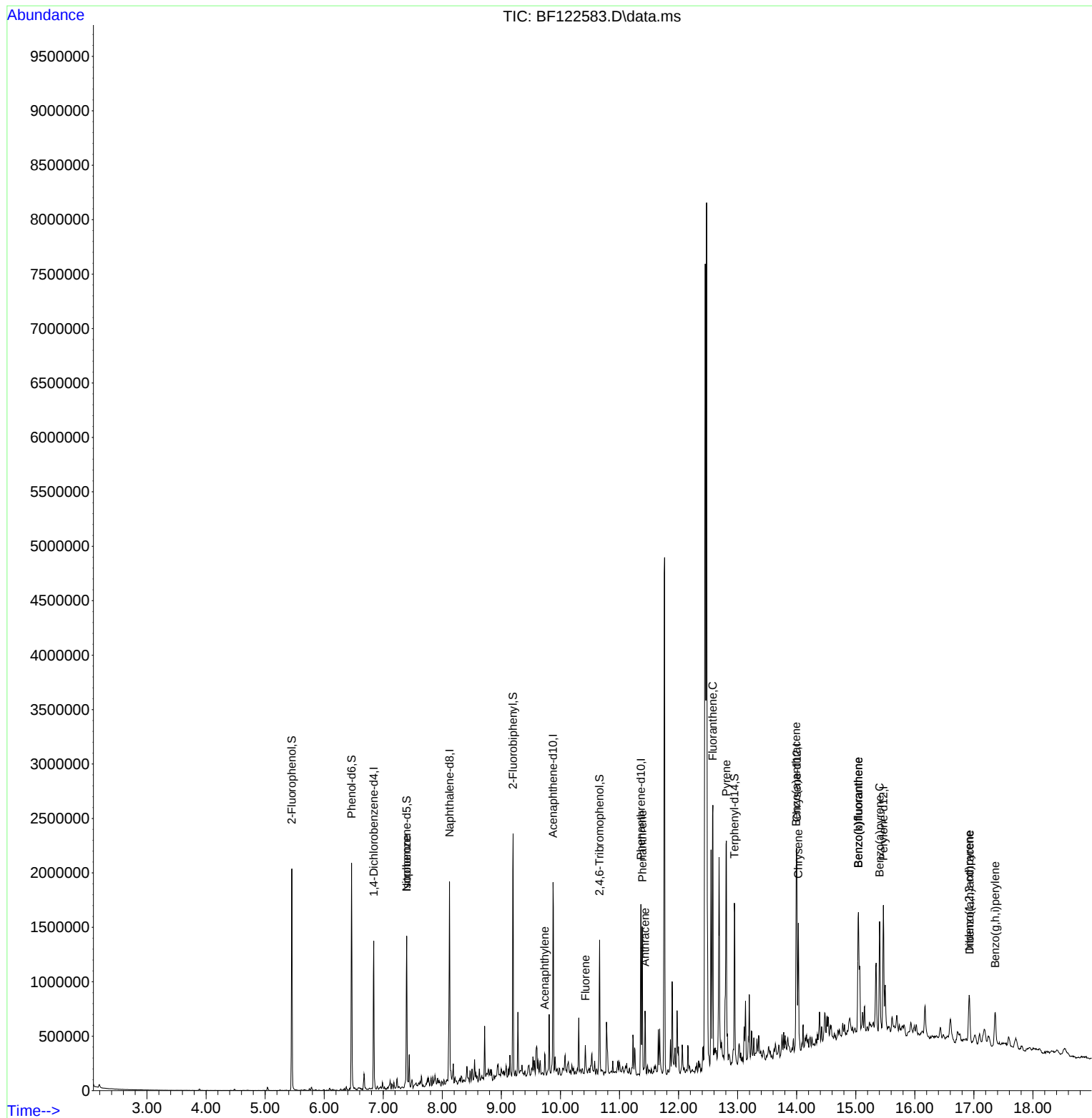
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	194854	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	733647	20.00	ng	0.00
39) Acenaphthene-d10	9.875	164	356669	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	552701	20.00	ng	0.00
76) Chrysene-d12	14.004	240	461821	20.00	ng	0.00
86) Perylene-d12	15.468	264	541916	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	549728	44.66	ng	0.00
7) Phenol-d6	6.463	99	672762	41.21	ng	-0.02
23) Nitrobenzene-d5	7.398	82	413038	28.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	140641	30.12	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	677953	25.71	ng	0.00
79) Terphenyl-d14	12.945	244	481949	18.27	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.398	82	405343	16.07	ng	# 65
49) Acenaphthylene	9.733	152	75352	2.08	ng	98
58) Fluorene	10.422	166	62634	2.39	ng	98
71) Phenanthrene	11.386	178	459206	13.98	ng	98
72) Anthracene	11.433	178	218530	6.71	ng	98
75) Fluoranthene	12.580	202	991402	28.78	ng	97
78) Pyrene	12.810	202	911102	25.52	ng	99
81) Benzo(a)anthracene	13.992	228	548402	17.77	ng	98
83) Chrysene	14.027	228	436447	14.21	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	303644	8.54	ng	95
88) Benzo(b)fluoranthene	15.045	252	873229	22.97	ng	98
89) Benzo(k)fluoranthene	15.045	252	873229	25.12	ng	97
90) Benzo(a)pyrene	15.404	252	507070	15.24	ng	97
91) Dibenzo(a,h)anthracene	16.927	278	76207	2.62	ng	# 87
92) Benzo(g,h,i)perylene	17.362	276	267233	9.48	ng	99

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

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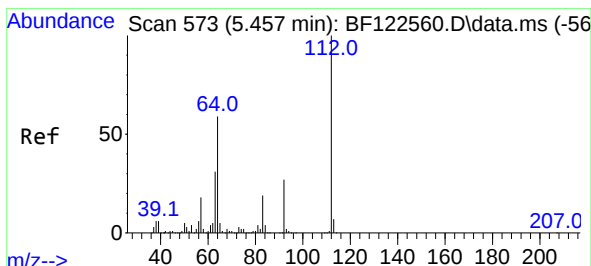
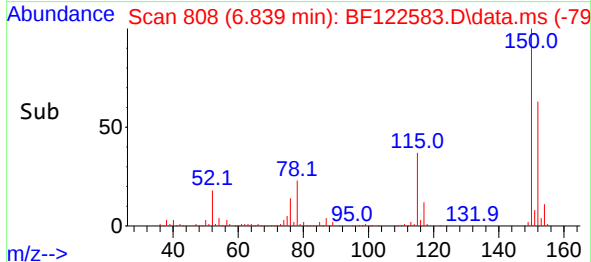
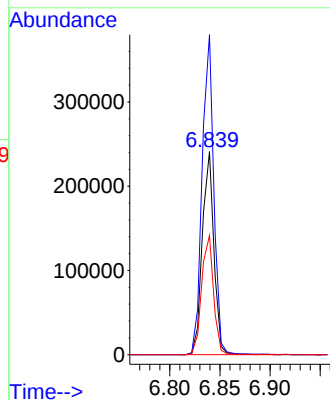
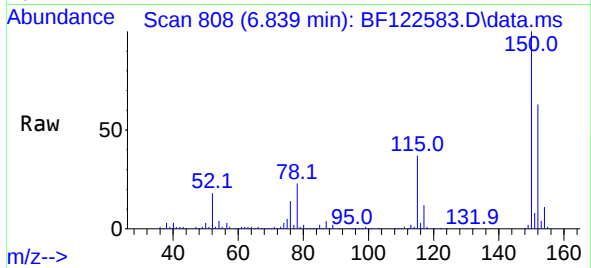




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

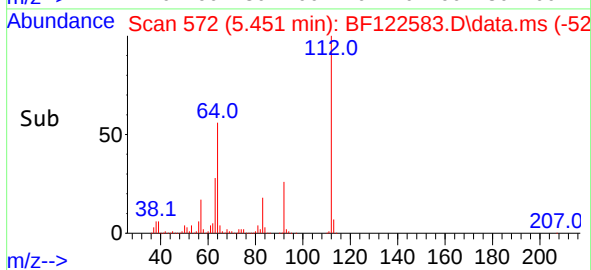
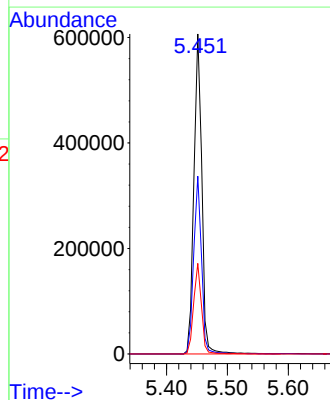
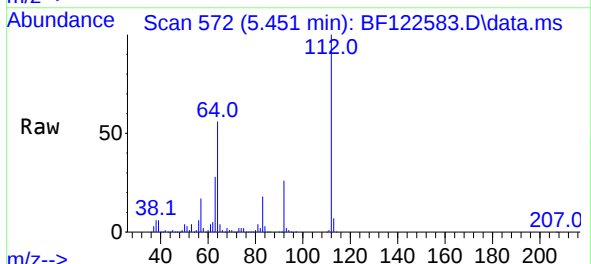
Instrument :
BNA_F
ClientSampleId :
PL-02-120420

Tgt Ion:152 Resp: 194854
Ion Ratio Lower Upper
152 100
150 157.6 125.8 188.6
115 58.7 49.3 73.9



#5
2-Fluorophenol
Concen: 44.66 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

Tgt Ion:112 Resp: 549728
Ion Ratio Lower Upper
112 100
64 55.6 46.9 70.3
63 28.3 24.5 36.7

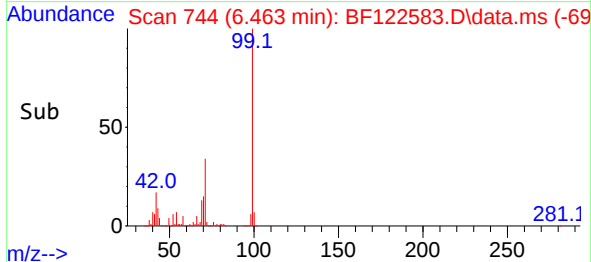
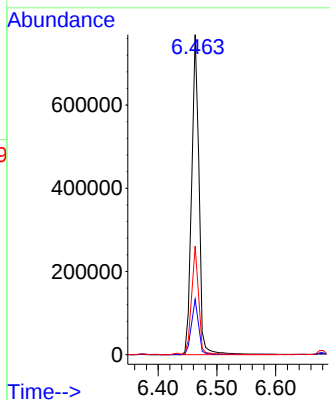
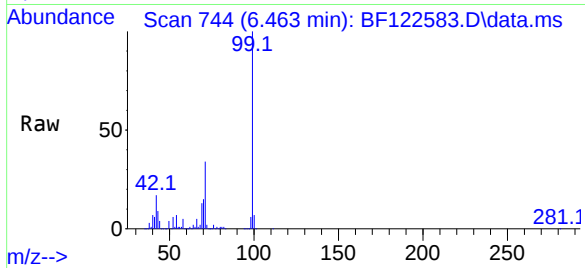




#7
Phenol-d6
Concen: 41.21 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

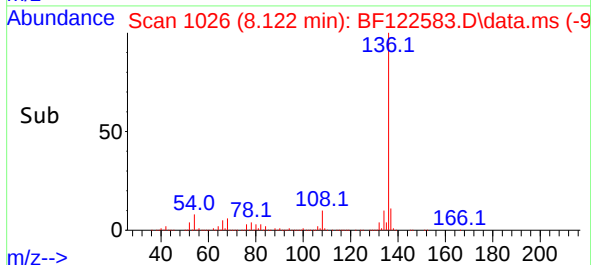
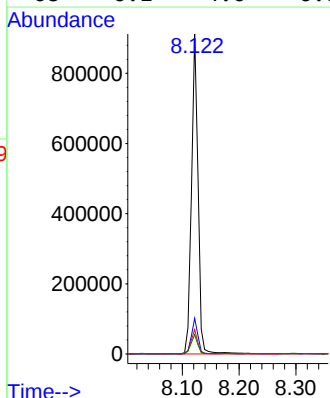
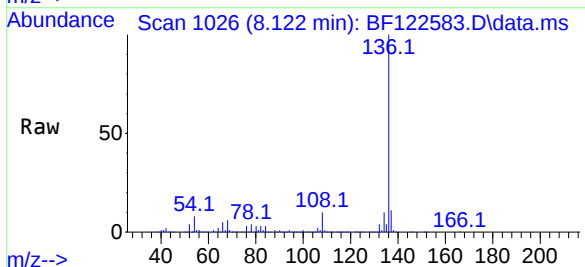
Instrument :
BNA_F
ClientSampleId :
PL-02-120420

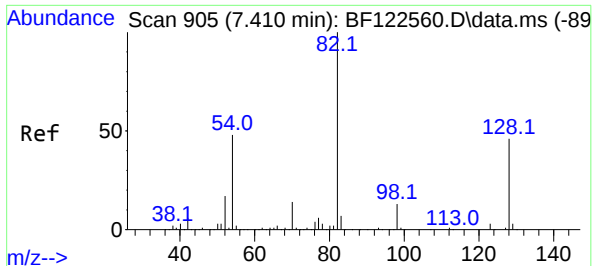
Tgt Ion: 99 Resp: 672762
Ion Ratio Lower Upper
99 100
42 17.3 13.8 20.6
71 33.9 26.9 40.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

Tgt Ion: 136 Resp: 733647
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.6 5.5 8.3
68 6.1 4.6 6.8

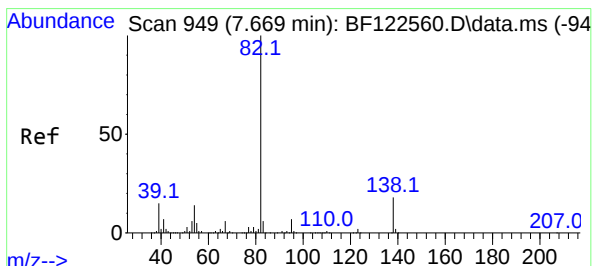
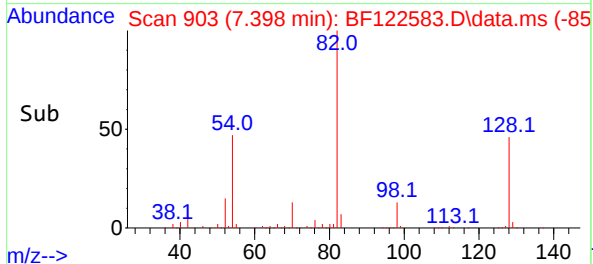
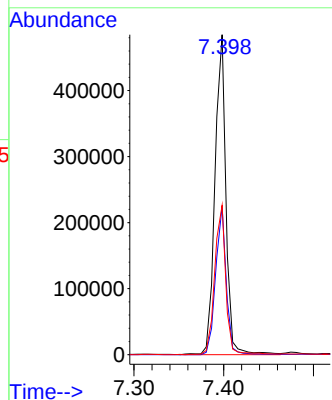
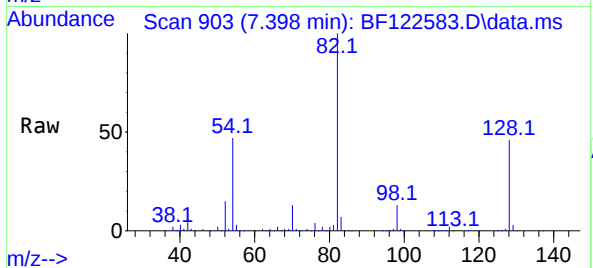




#23
Nitrobenzene-d5
Concen: 28.21 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

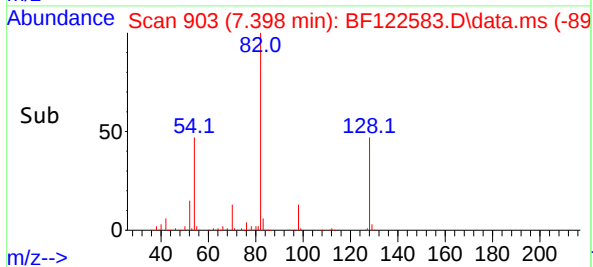
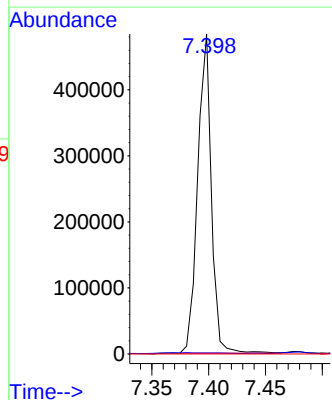
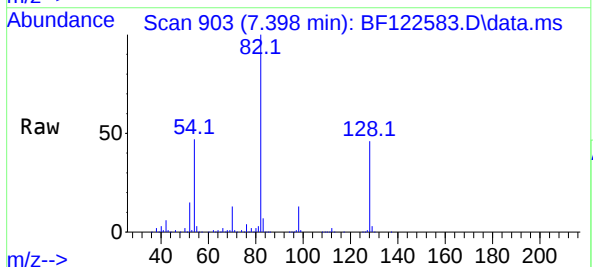
Instrument :
BNA_F
ClientSampleId :
PL-02-120420

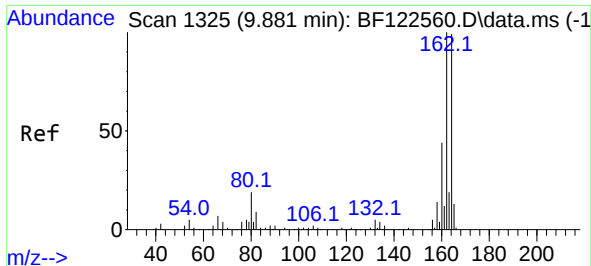
Tgt Ion: 82 Resp: 413038
Ion Ratio Lower Upper
82 100
128 46.4 37.0 55.4
54 46.7 38.4 57.6



#25
Isophorone
Concen: 16.07 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.271 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

Tgt Ion: 82 Resp: 405343
Ion Ratio Lower Upper
82 100
95 0.3 5.8 8.6#
138 0.0 14.6 21.8#

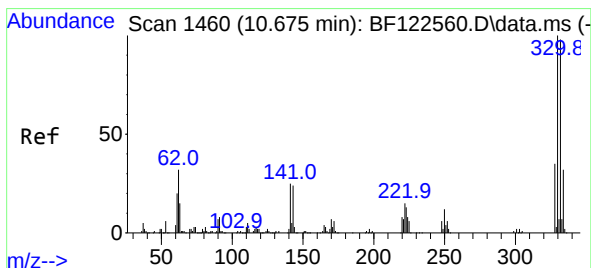
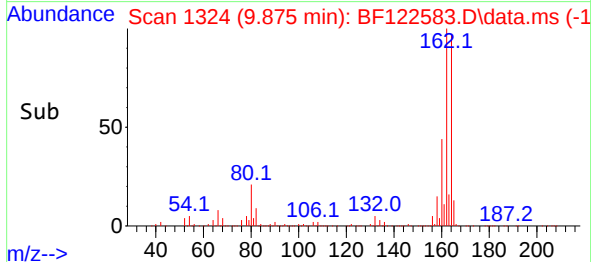
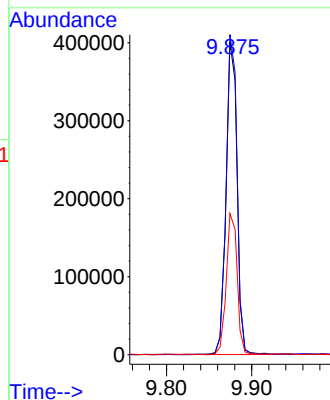
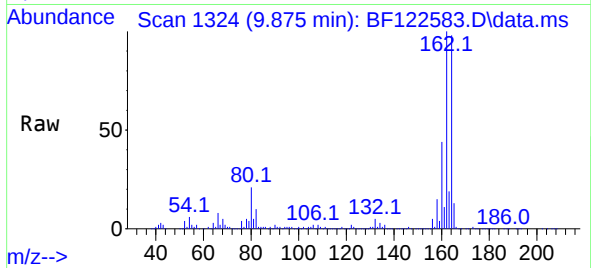




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

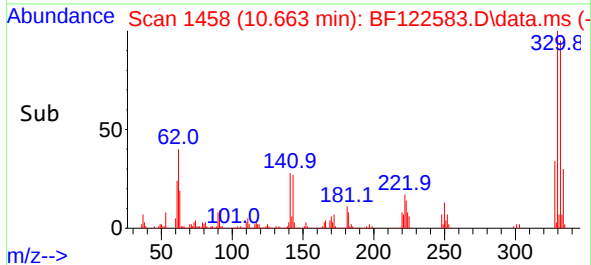
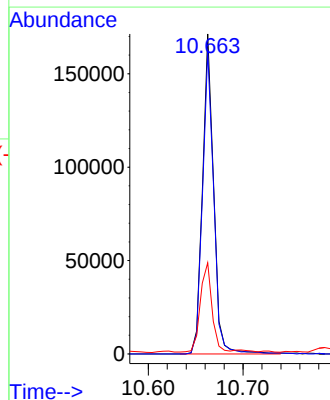
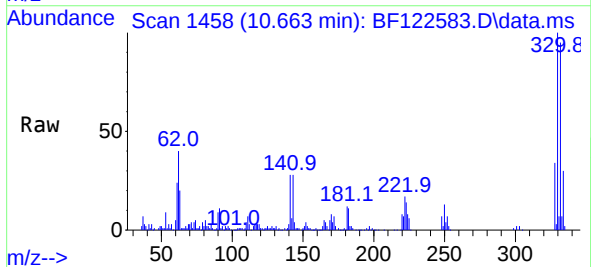
Instrument :
BNA_F
ClientSampleId :
PL-02-120420

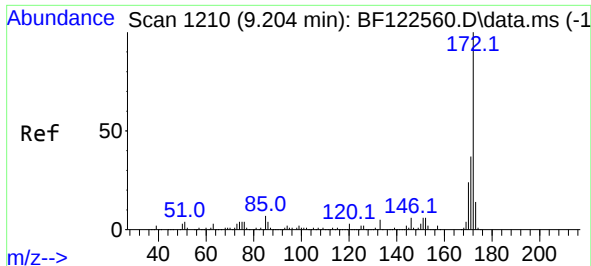
Tgt Ion:164 Resp: 356669
Ion Ratio Lower Upper
164 100
162 102.3 80.8 121.2
160 45.2 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 30.12 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

Tgt Ion:330 Resp: 140641
Ion Ratio Lower Upper
330 100
332 95.4 77.5 116.3
141 28.8 23.8 35.8



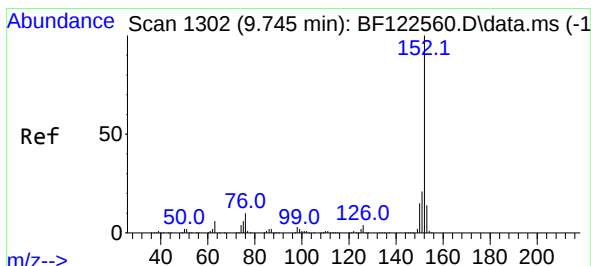
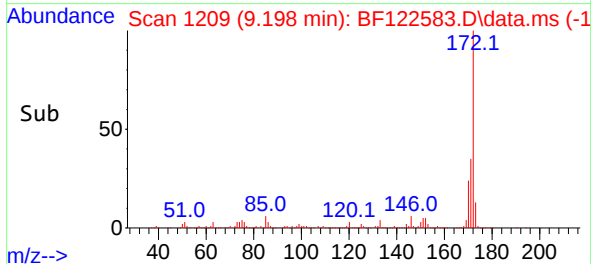
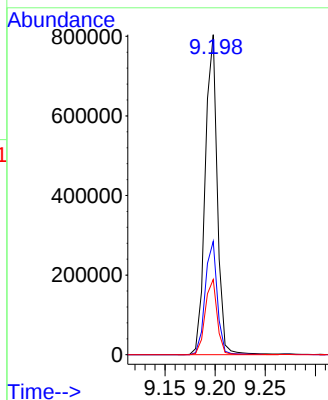
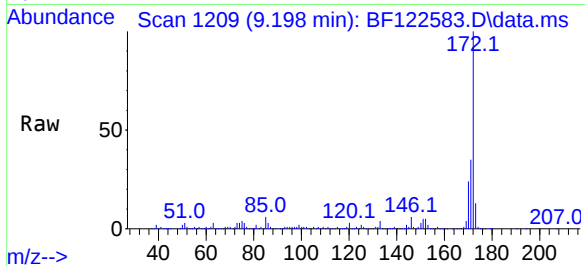


#45
2-Fluorobiphenyl
Concen: 25.71 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

Instrument :
BNA_F
ClientSampleId :
PL-02-120420

Tgt Ion:172 Resp: 677953

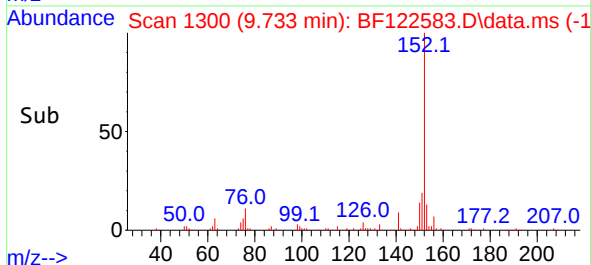
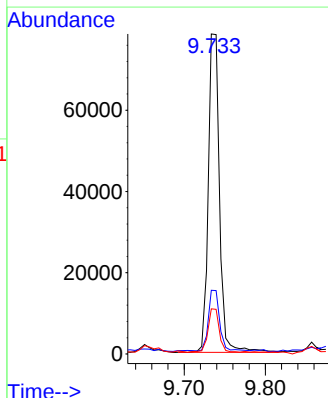
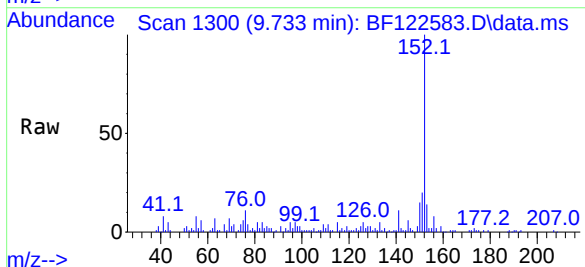
Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.5	19.5	29.3

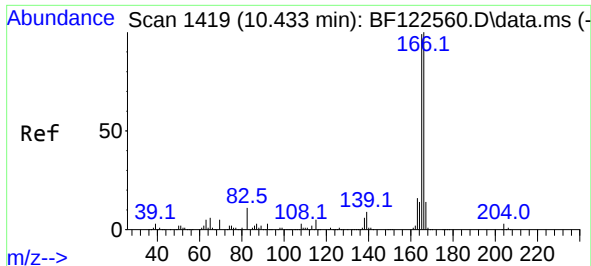


#49
Acenaphthylene
Concen: 2.08 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

Tgt Ion:152 Resp: 75352

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.6	25.0
153	14.1	10.9	16.3

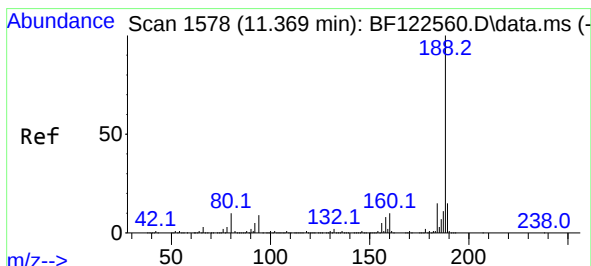
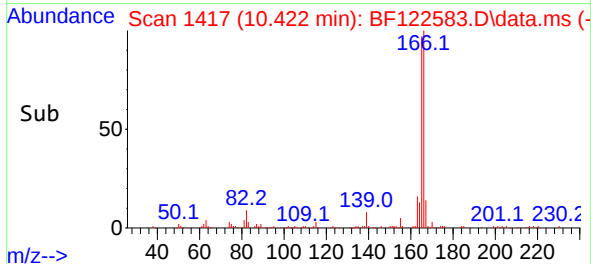
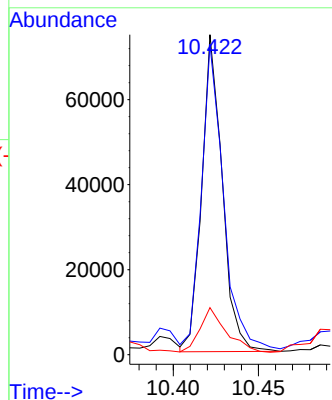
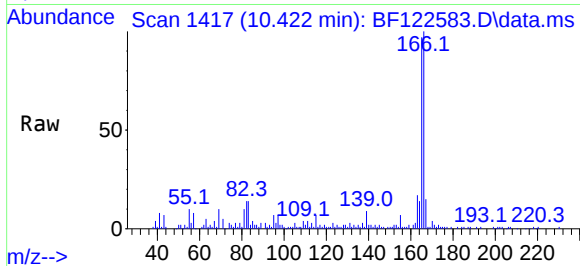




#58
Fluorene
Concen: 2.39 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

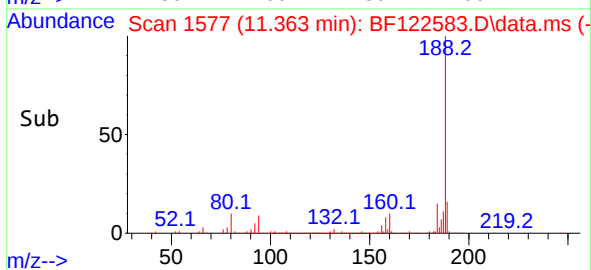
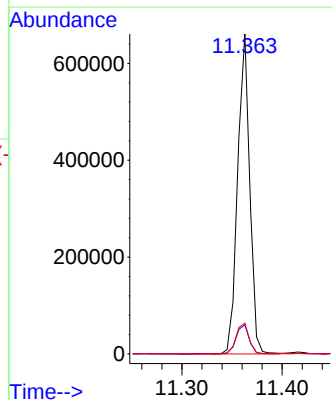
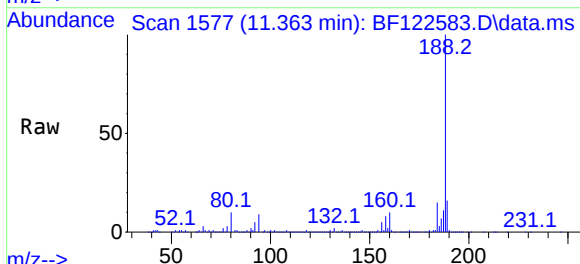
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ClientSampleId :
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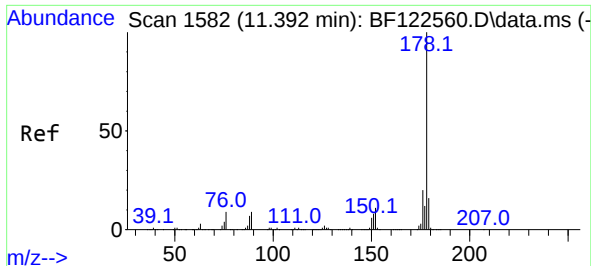
Tgt Ion:166 Resp: 62634
Ion Ratio Lower Upper
166 100
165 97.0 79.4 119.0
167 14.7 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

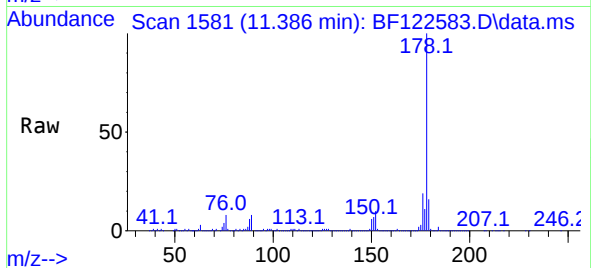
Tgt Ion:188 Resp: 552701
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.7 8.2 12.4



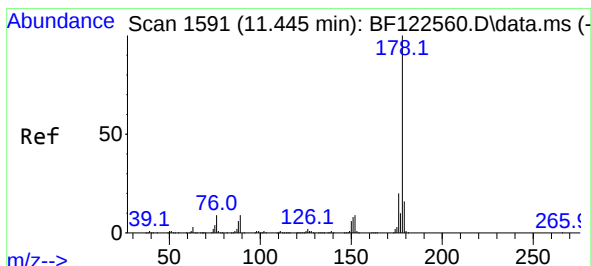
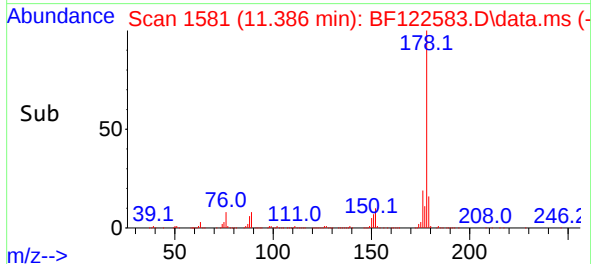
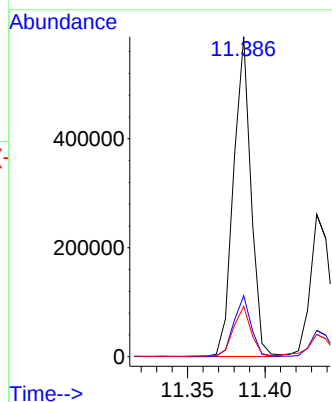


#71
Phenanthrene
Concen: 13.98 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

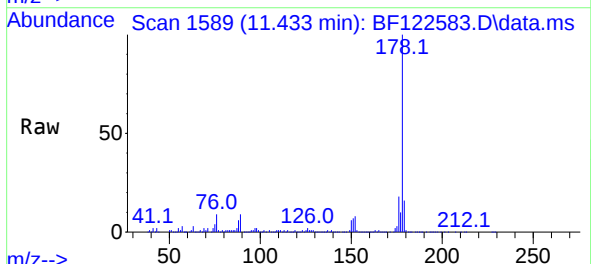
Instrument :
BNA_F
ClientSampleId :
PL-02-120420



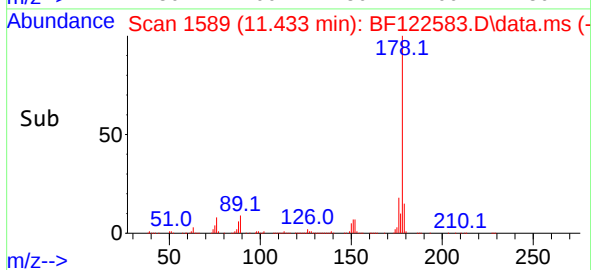
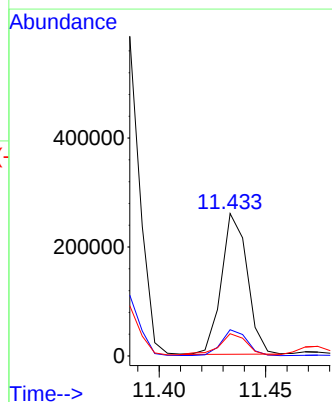
Tgt Ion:178 Resp: 459206
Ion Ratio Lower Upper
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176 19.1 16.2 24.2
179 15.8 12.7 19.1

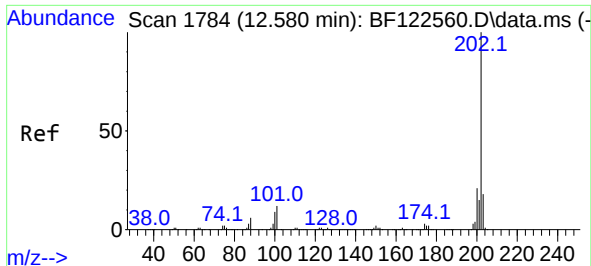


#72
Anthracene
Concen: 6.71 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03



Tgt Ion:178 Resp: 218530
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.6 12.8 19.2

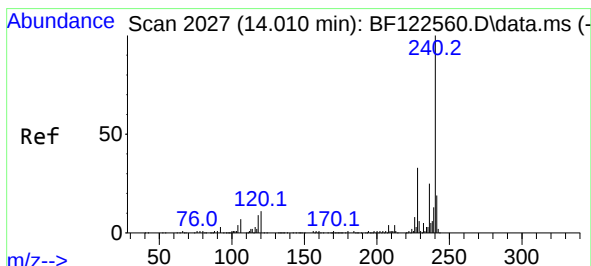
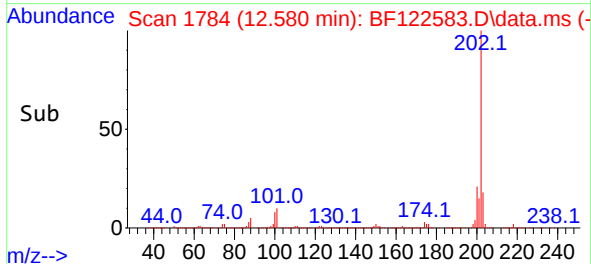
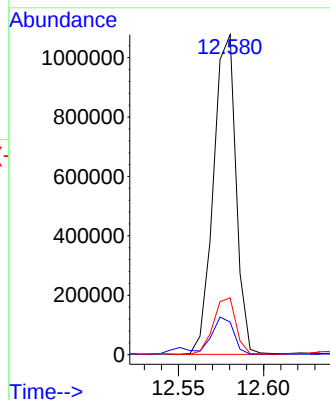
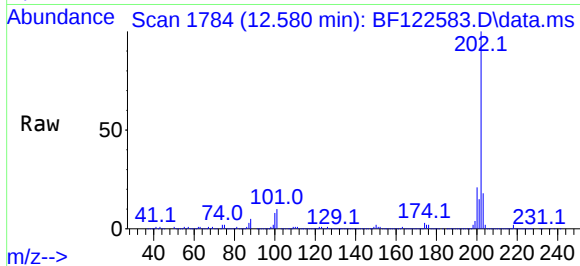




#75
Fluoranthene
Concen: 28.78 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

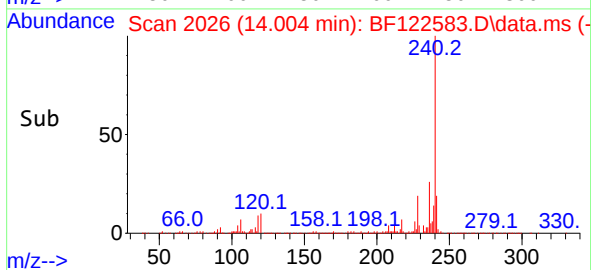
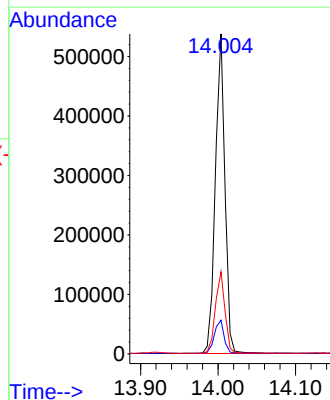
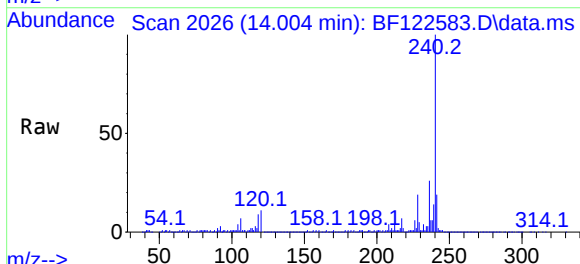
Instrument :
BNA_F
ClientSampleId :
PL-02-120420

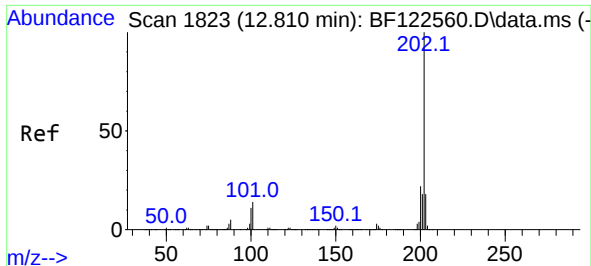
Tgt Ion:202 Resp: 991402
Ion Ratio Lower Upper
202 100
101 10.2 0.0 32.2
203 17.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

Tgt Ion:240 Resp: 461821
Ion Ratio Lower Upper
240 100
120 10.6 8.6 12.8
236 25.7 20.3 30.5

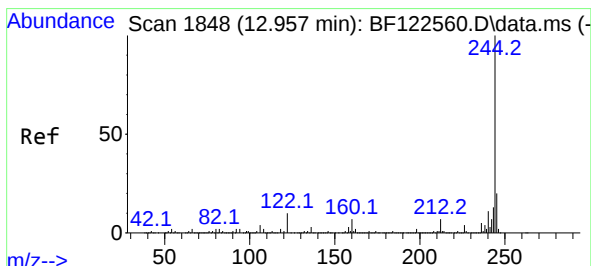
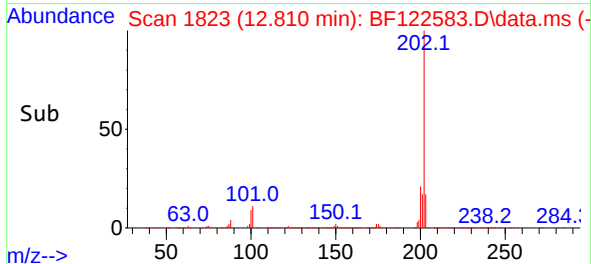
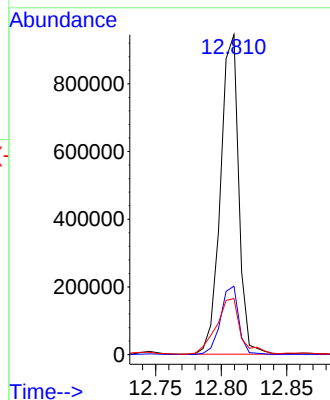
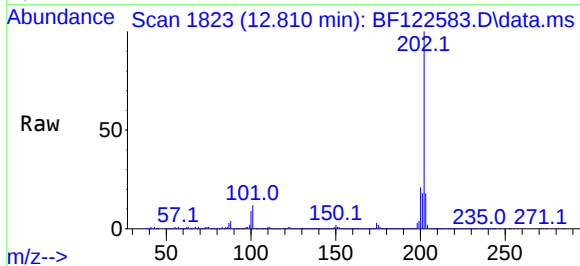




#78
Pyrene
Concen: 25.52 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

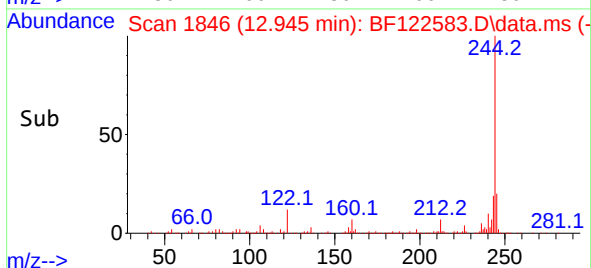
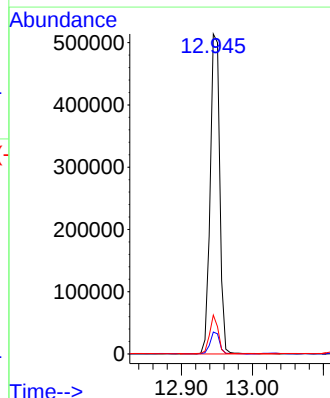
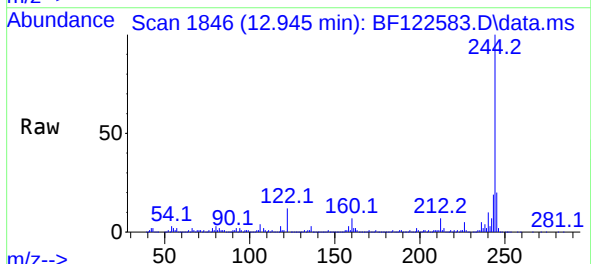
Instrument :
BNA_F
ClientSampleId :
PL-02-120420

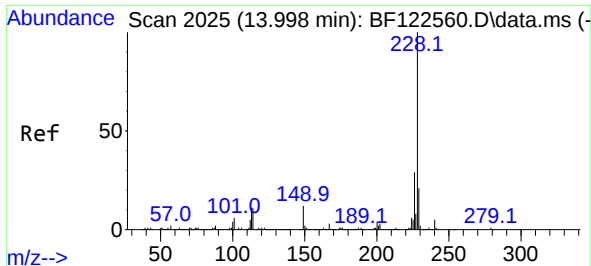
Tgt Ion:202 Resp: 911102
Ion Ratio Lower Upper
202 100
200 21.4 17.6 26.4
203 17.6 14.6 21.8



#79
Terphenyl-d14
Concen: 18.27 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

Tgt Ion:244 Resp: 481949
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 12.2 8.3 12.5

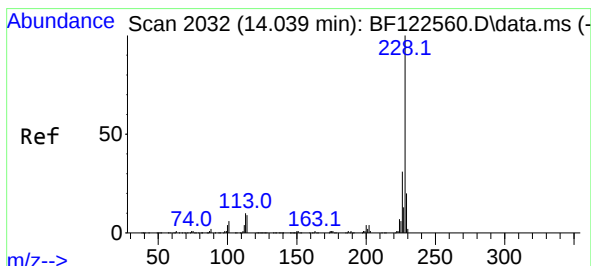
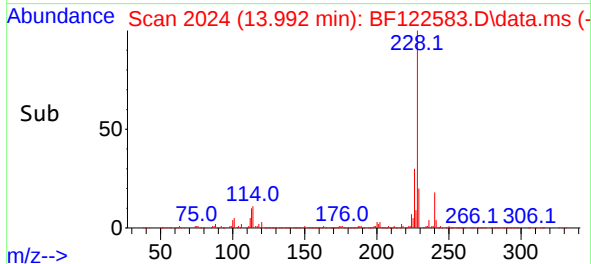
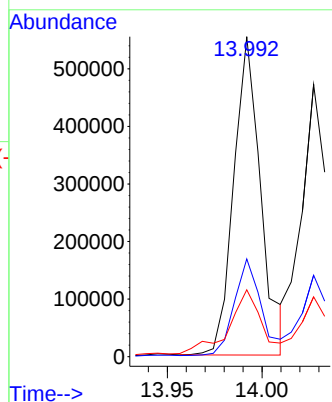
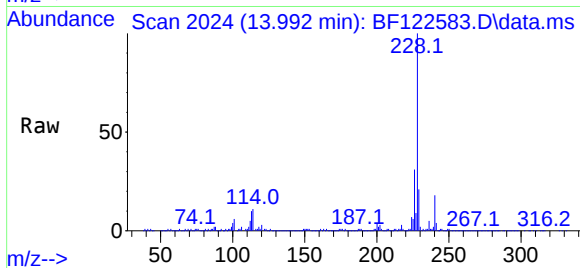




#81
Benzo(a)anthracene
Concen: 17.77 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

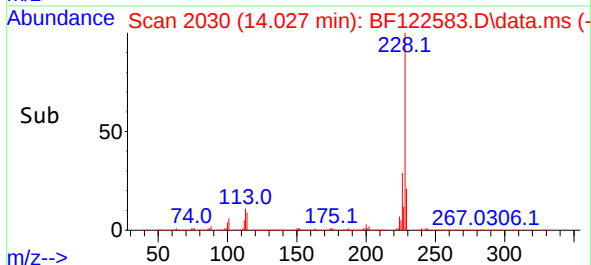
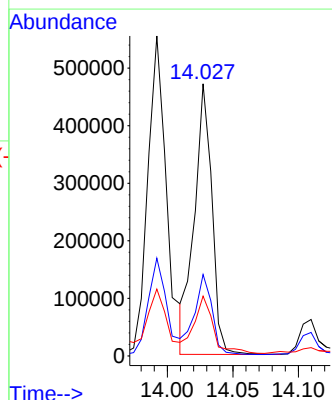
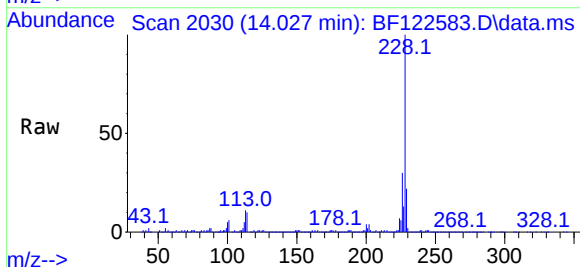
Instrument :
BNA_F
ClientSampleId :
PL-02-120420

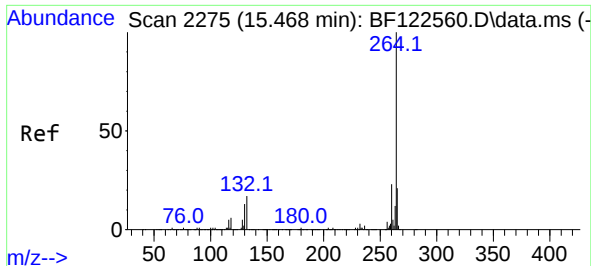
Tgt Ion:228 Resp: 548402
Ion Ratio Lower Upper
228 100
226 30.5 23.0 34.4
229 20.9 16.6 24.8



#83
Chrysene
Concen: 14.21 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

Tgt Ion:228 Resp: 436447
Ion Ratio Lower Upper
228 100
226 29.9 24.6 36.8
229 22.0 15.8 23.6

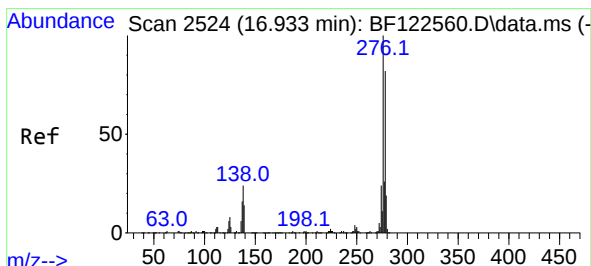
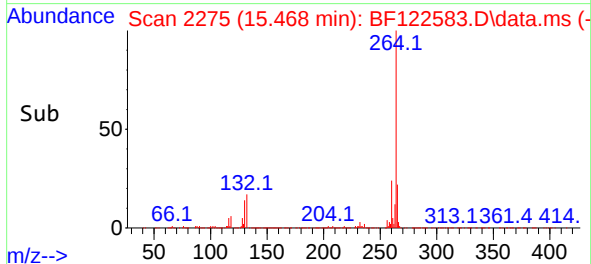
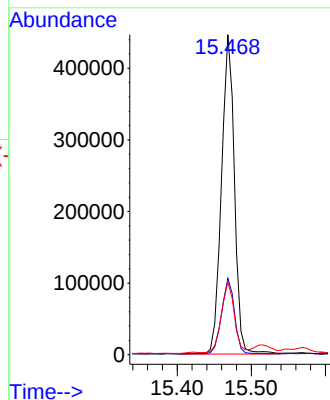
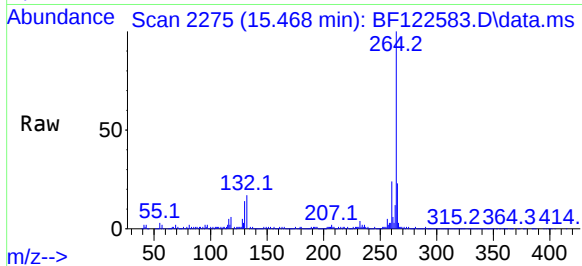




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

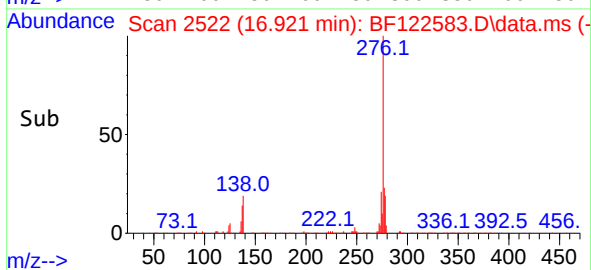
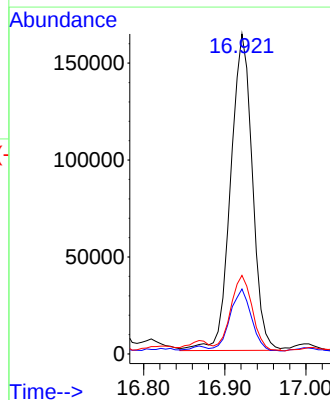
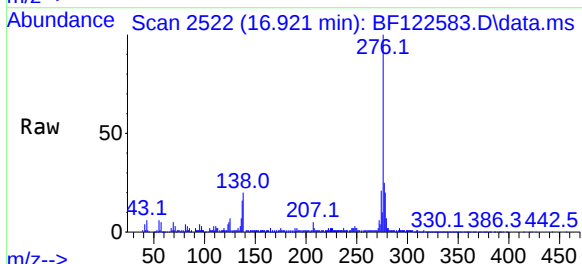
Instrument :
BNA_F
ClientSampleId :
PL-02-120420

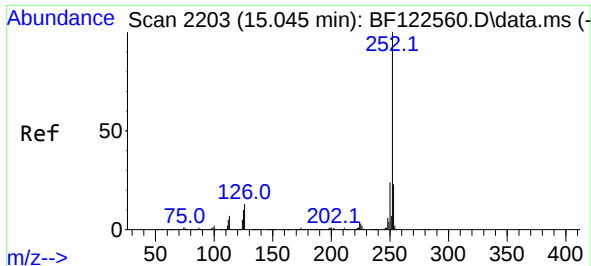
Tgt Ion:264 Resp: 541916
Ion Ratio Lower Upper
264 100
260 23.8 18.6 28.0
265 22.7 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.54 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.012 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

Tgt Ion:276 Resp: 303644
Ion Ratio Lower Upper
276 100
138 19.5 18.7 28.1
277 23.7 20.2 30.4

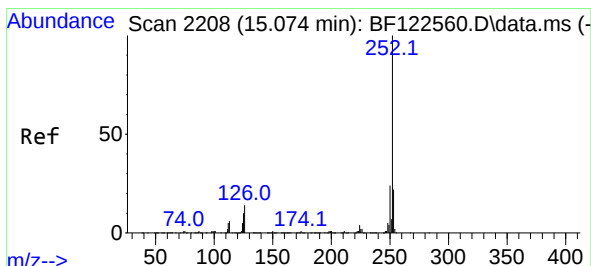
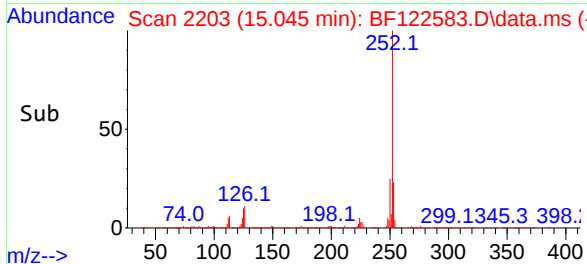
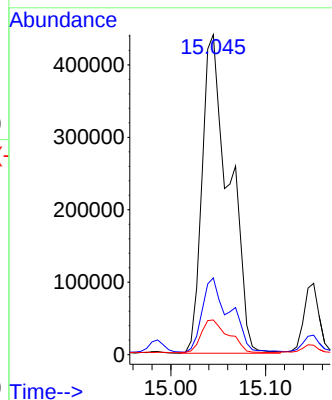
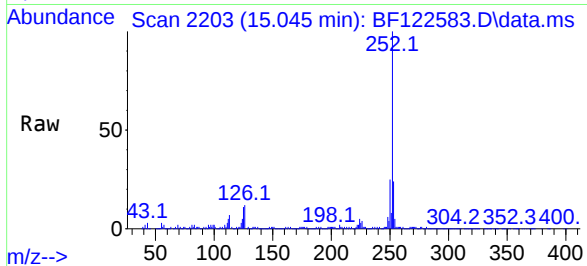




#88
Benzo(b)fluoranthene
Concen: 22.97 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

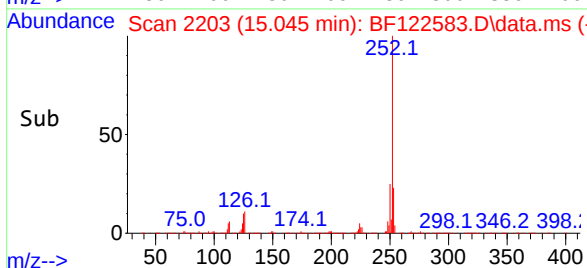
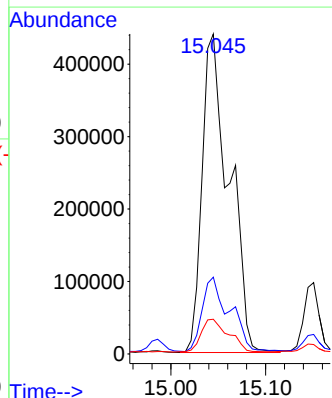
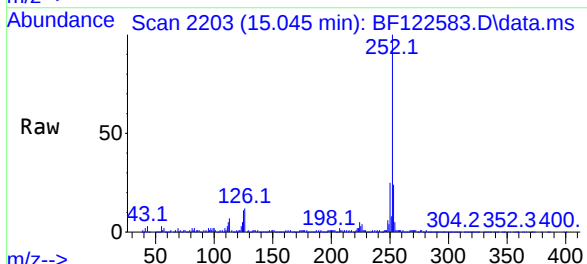
Instrument :
BNA_F
ClientSampleId :
PL-02-120420

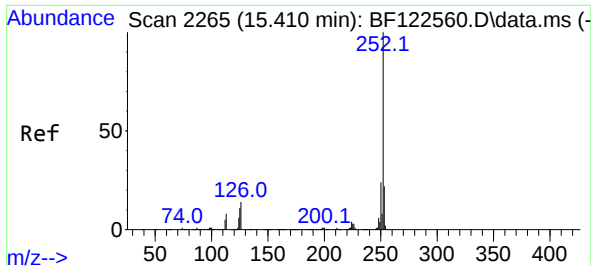
Tgt Ion:252 Resp: 873229
Ion Ratio Lower Upper
252 100
253 24.0 18.3 27.5
125 10.8 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 25.12 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.030 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

Tgt Ion:252 Resp: 873229
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 10.8 8.4 12.6

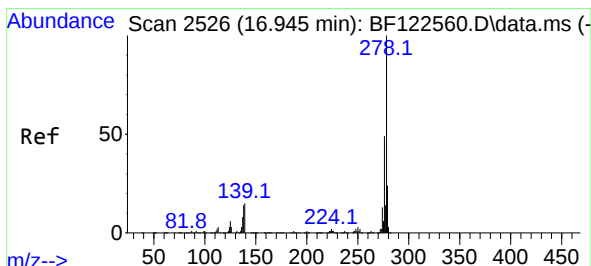
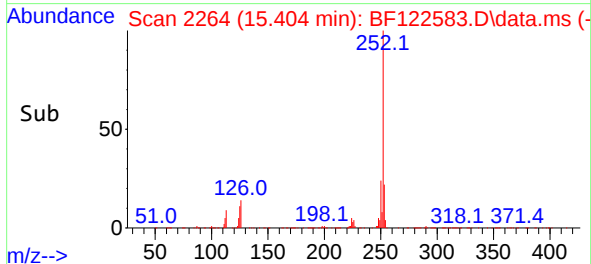
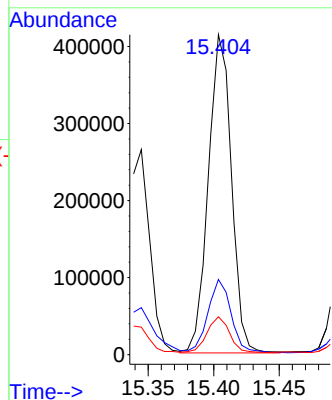
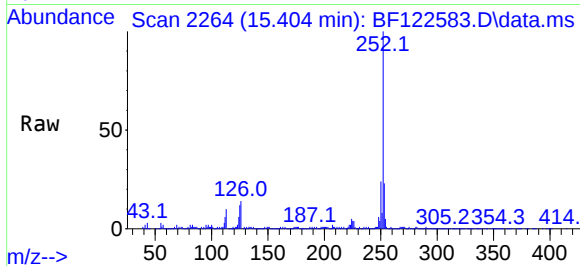




#90
Benzo(a)pyrene
Concen: 15.24 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

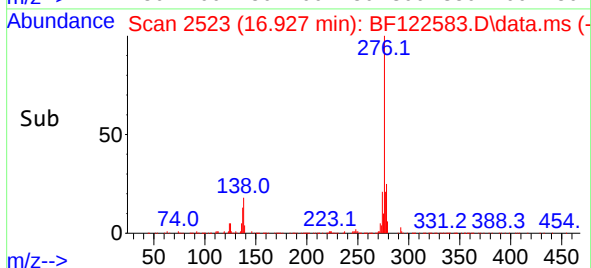
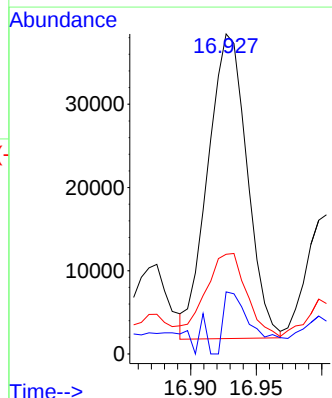
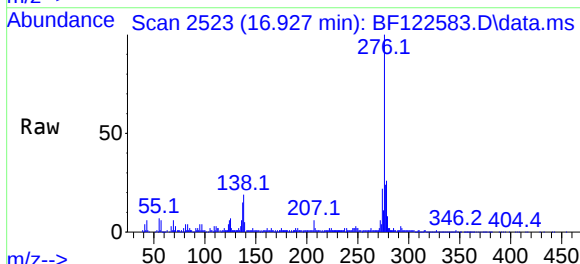
Instrument :
BNA_F
ClientSampleId :
PL-02-120420

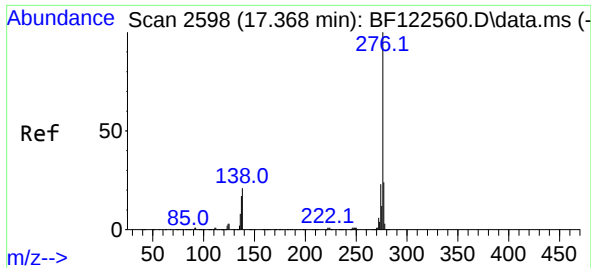
Tgt Ion:252 Resp: 507070
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 11.9 8.6 12.8



#91
Dibenzo(a,h)anthracene
Concen: 2.62 ng
RT: 16.927 min Scan# 2523
Delta R.T. -0.018 min
Lab File: BF122583.D
Acq: 7 Dec 2020 21:03

Tgt Ion:278 Resp: 76207
Ion Ratio Lower Upper
278 100
139 19.4 12.0 18.0#
279 31.2 19.4 29.2#





#92
 Benzo(g,h,i)perylene
 Concen: 9.48 ng
 RT: 17.362 min Scan# 2597
 Delta R.T. -0.006 min
 Lab File: BF122583.D
 Acq: 7 Dec 2020 21:03

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-120420

Tgt Ion:276 Resp: 267233

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.3	28.9
138	20.9	16.6	24.8

